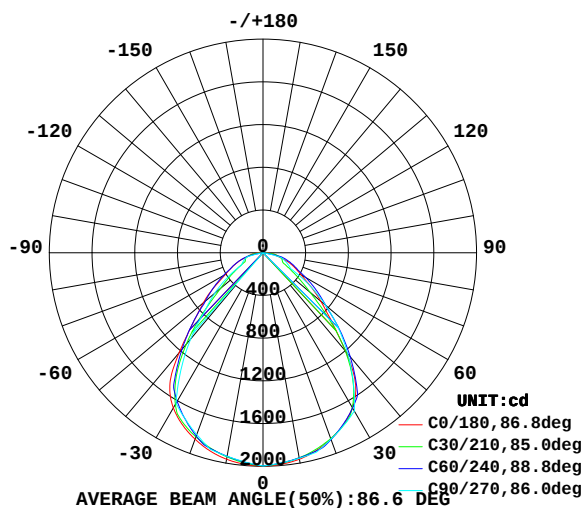


LUMINAIRE PHOTOMETRIC TEST REPORT

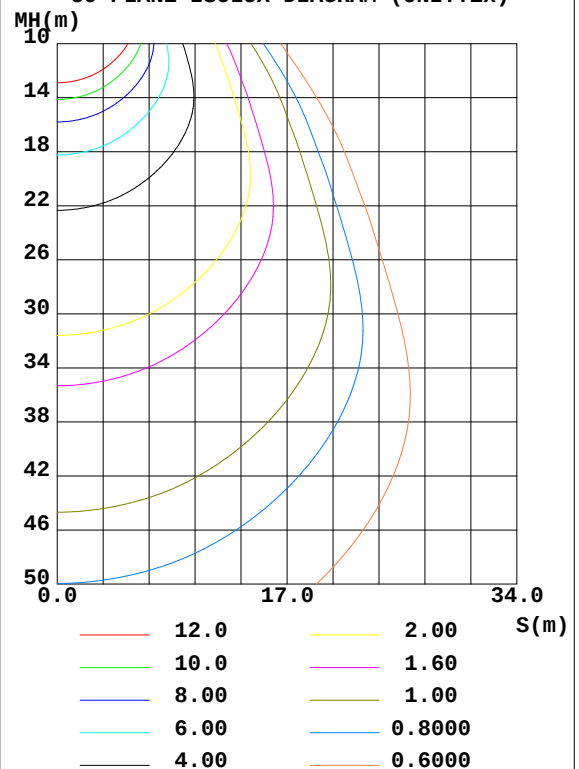
Test:U:229.9V I:0.1287A P:27.00W PF:0.9587 Lamp Flux:4058.19x1 lm		
NAME: 8070-0099	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.32 lm/W			
MODEL	8070-0099	I _{max} (cd)	1996	S/MH(C0/180)	1.23
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4058.2	η UP, DN(C0-180)	0.0, 51.5
NOMINAL FLUX(lm)	4058.19	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



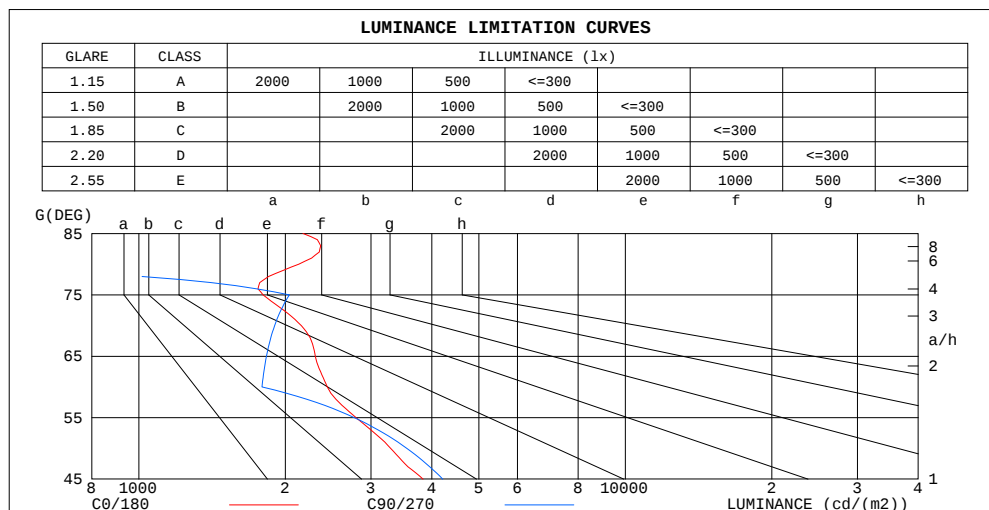
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.533m [K=1.0000]
 Remarks: 8070-0099

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
5	1987	1976	1975	1977	1988	1971	1966	1970	0- 5	47.41	47.41	1.17,1.17
10	1963	1949	1954	1950	1964	1937	1935	1936	5- 10	140.2	187.7	4.62,4.62
15	1919	1913	1933	1915	1921	1895	1905	1893	10- 15	228.7	416.3	10.3,10.3
20	1857	1870	1859	1873	1858	1844	1813	1842	15- 20	309.5	725.8	17.9,17.9
25	1779	1777	1785	1781	1780	1737	1720	1733	20- 25	378.0	1104	27.2,27.2
30	1675	1652	1712	1658	1678	1589	1628	1580	25- 30	431.5	1535	37.8,37.8
35	1513	1488	1474	1495	1522	1392	1341	1375	30- 35	458.5	1994	49.1,49.1
40	1205	1265	1236	1273	1222	1142	1054	1120	35- 40	440.8	2435	60,60
45	909.9	966.0	998.8	985.5	925.0	869.3	766.4	864.7	40- 45	384.4	2819	69.5,69.5
50	709.8	682.2	765.9	717.4	728.0	619.9	588.9	630.2	45- 50	312.2	3131	77.2,77.2
55	537.5	441.5	533.1	482.0	552.5	412.8	411.4	430.4	50- 55	246.1	3377	83.2,83.2
60	408.8	349.6	300.2	378.6	407.1	333.0	234.0	345.8	55- 60	189.7	3567	87.9,87.9
65	326.6	282.6	259.1	307.8	319.9	278.0	208.8	291.8	60- 65	150.7	3718	91.6,91.6
70	247.4	230.1	218.0	250.8	245.7	228.2	183.6	243.0	65- 70	131.3	3849	94.8,94.8
75	156.2	186.9	176.9	196.3	162.9	172.1	158.4	180.8	70- 75	110.1	3959	97.6,97.6
80	124.1	124.8	0	124.2	121.0	103.3	0	104.7	75- 80	73.08	4032	99.4,99.4
85	63.51	0	0	0	66.80	0	0	0	80- 85	23.64	4056	99.9,99.9
90	0.3290	0	0	0	0.6237	0	0	0	85- 90	2.392	4058	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



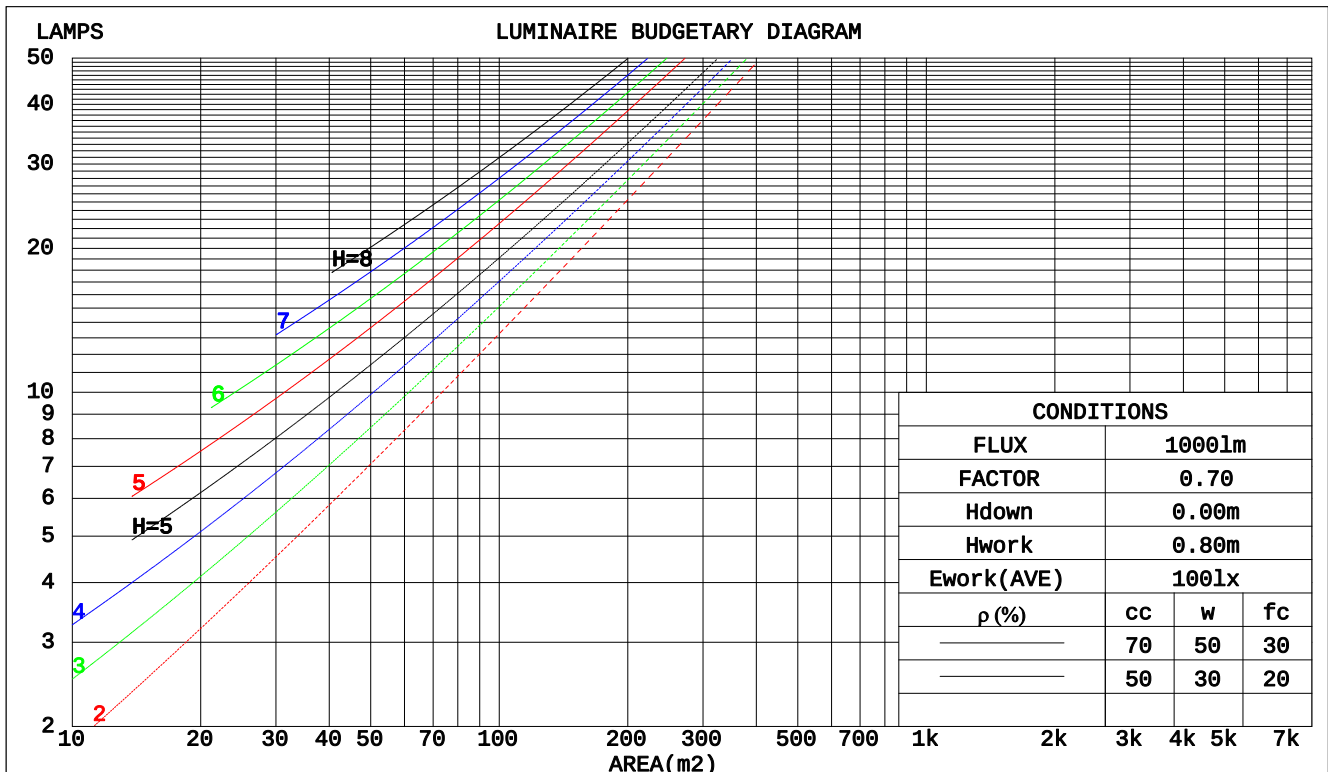
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.533m [K=1.0000]
Remarks: 8070-0099

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.9V I:0.1287A P:27.00W PF:0.9587 Lamp Flux:4058.19x1 lm		
NAME: 8070-0099	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	PROTECTION ANGLE:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.533m [K=1.0000]
 Remarks: 8070-0099

WEC AND CCEC

Test:U:229.9V I:0.1287A P:27.00W PF:0.9587 Lamp Flux:4058.19x1 lm									
NAME: 8070-0099					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.: EVERFINE					SUR.:550*550			PROTECTION ANGLE:	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.259	.148	.047	.252	.144	.046	.239	.137	.044	.227	.131	.042	.216	.125	.040	
2.0	.249	.136	.042	.243	.134	.041	.231	.129	.040	.221	.124	.039	.211	.120	.038	
3.0	.234	.124	.037	.228	.122	.037	.218	.118	.036	.209	.115	.035	.201	.111	.034	
4.0	.218	.114	.033	.214	.112	.033	.205	.109	.032	.197	.106	.032	.189	.103	.031	
5.0	.204	.104	.030	.200	.103	.030	.193	.100	.030	.185	.098	.029	.179	.095	.029	
6.0	.192	.096	.027	.188	.095	.027	.181	.093	.027	.175	.091	.027	.169	.089	.026	
7.0	.180	.089	.025	.177	.088	.025	.171	.086	.025	.165	.085	.025	.159	.083	.024	
8.0	.170	.083	.023	.167	.082	.023	.161	.081	.023	.156	.079	.023	.151	.078	.023	
9.0	.160	.077	.022	.158	.077	.022	.153	.075	.021	.148	.074	.021	.144	.073	.021	
10.0	.152	.073	.020	.149	.072	.020	.145	.071	.020	.141	.070	.020	.137	.069	.020	

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fC}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.138	.151	.134	.119	.103	.092	.082	.060	.054	.048	.019	.017	.015	
2.0	.166	.132	.103	.143	.114	.089	.098	.079	.062	.056	.046	.036	.018	.015	.012	
3.0	.157	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.077	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.046	.029	.015	.015	.009	.005	
7.0	.128	.074	.036	.110	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.122	.068	.031	.105	.059	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.038	.017	.041	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.096	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.533m [K=1.0000]
 Remarks: 8070-0099

UGR(Unified Glare Rating) Table

Test:U:229.9V I:0.1287A P:27.00W PF:0.9587 Lamp Flux:4058.19x1 lm											
NAME: 8070-0099						TYPE:			WEIGHT:		
SPEC.:						DIM.:			SERIAL No.:		
MFR.: EVERFINE						SUR.: 550*550			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H		15.2	16.6	15.5	16.7	16.9	16.2	17.5	16.4	17.7	17.9
3H		16.4	17.7	16.7	17.9	18.1	17.1	18.3	17.4	18.6	18.8
4H		17.0	18.1	17.3	18.4	18.6	17.6	18.8	17.9	19.0	19.3
6H		17.4	18.5	17.7	18.8	19.1	17.7	18.8	18.0	19.0	19.3
8H		17.7	18.7	18.0	19.0	19.3	17.6	18.7	18.0	19.0	19.2
12H		17.8	18.8	18.1	19.1	19.4	17.6	18.6	17.9	18.9	19.2
4H 2H		15.5	16.7	15.8	17.0	17.2	16.4	17.6	16.7	17.8	18.0
3H		16.9	18.0	17.3	18.2	18.5	17.7	18.7	18.0	19.0	19.3
4H		17.7	18.6	18.1	18.9	19.2	18.4	19.4	18.8	19.7	20.0
6H		18.4	19.2	18.8	19.5	19.9	18.5	19.4	18.9	19.7	20.1
8H		18.7	19.4	19.1	19.8	20.2	18.5	19.3	18.9	19.6	20.0
12H		18.9	19.6	19.3	19.9	20.3	18.5	19.2	18.9	19.5	19.9
8H 4H		18.0	18.8	18.4	19.1	19.5	18.7	19.4	19.1	19.8	20.2
6H		18.9	19.5	19.3	19.9	20.4	18.9	19.5	19.3	19.9	20.3
8H		19.3	19.9	19.8	20.3	20.8	18.8	19.4	19.3	19.8	20.2
12H		19.6	20.1	20.1	20.5	21.0	18.8	19.2	19.2	19.7	20.2
12H 4H		18.0	18.7	18.4	19.1	19.5	18.7	19.4	19.1	19.8	20.2
6H		18.9	19.5	19.4	19.9	20.3	18.9	19.4	19.3	19.9	20.3
8H		19.4	19.8	19.8	20.3	20.8	18.9	19.3	19.3	19.8	20.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.5					+ 0.4 / - 0.5				
1.5H		+ 0.3 / - 0.3					+ 0.2 / - 0.5				
2.0H		+ 0.7 / - 0.9					+ 0.7 / - 1.6				

CIE Pub.117 Corrected 4058 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.9)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-07-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: 8070-0099

UTILIZATION FACTORS TABLE

Test:U:229.9V I:0.1287A P:27.00W PF:0.9587 Lamp Flux:4058.19x1 lm		
NAME: 8070-0099	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	67	57	51	66	57	51	65	56	50	45
0.80	76	67	60	75	66	60	74	65	60	54
1.00	84	75	69	83	74	68	81	75	68	62
1.25	90	81	76	89	81	75	86	79	74	68
1.50	94	86	81	93	86	80	90	84	79	73
2.00	100	93	88	98	92	87	95	90	85	79
2.50	103	97	92	101	95	91	98	93	89	82
3.00	106	100	96	104	99	95	100	96	92	85
4.00	109	104	101	107	103	99	103	99	97	88
5.00	111	107	104	109	105	102	104	102	99	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.533m [K=1.0000]
 Remarks: 8070-0099

ISOCANDELA DIAGRAM

Test:U:229.9V I:0.1287A P:27.00W PF:0.9587 Lamp Flux:4058.19x1 lm		
NAME: 8070-0099	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	PROTECTION ANGLE:

Conical surface Flux(90deg):

2819 lm

%lum = 69.5%

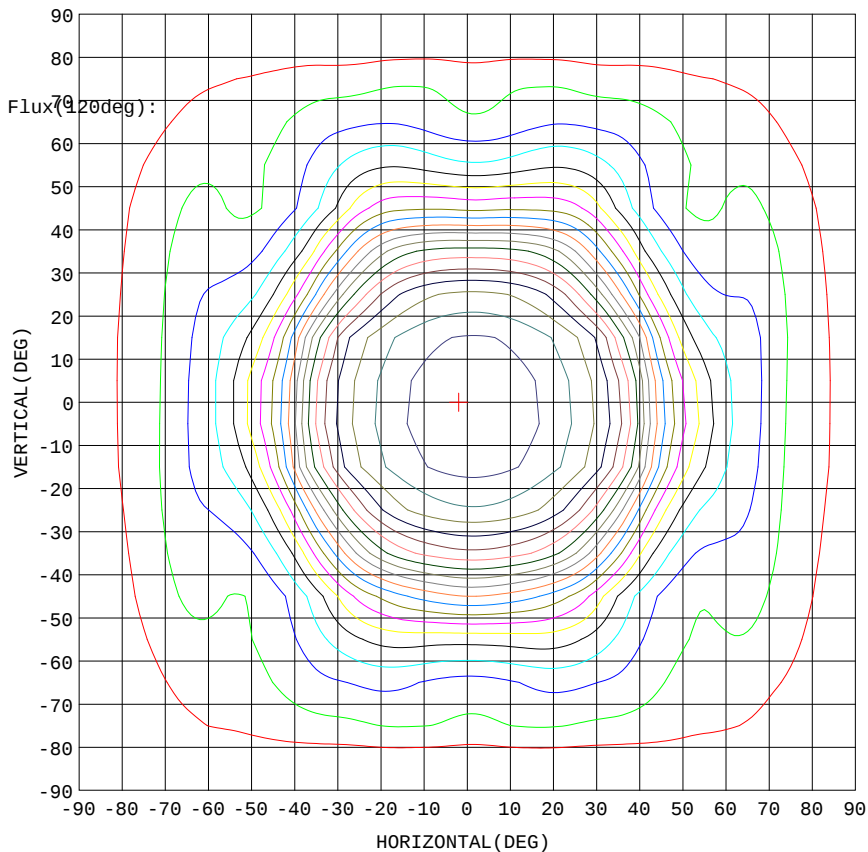
%lamp = 69.5%

Conical surface Flux(0deg):

3567 lm

%lum = 87.9%

%lamp = 87.9%

Imax:1996(H-2.0,V0.0)
(At:C=0.0,Gamma=0.0)

UNIT: cd

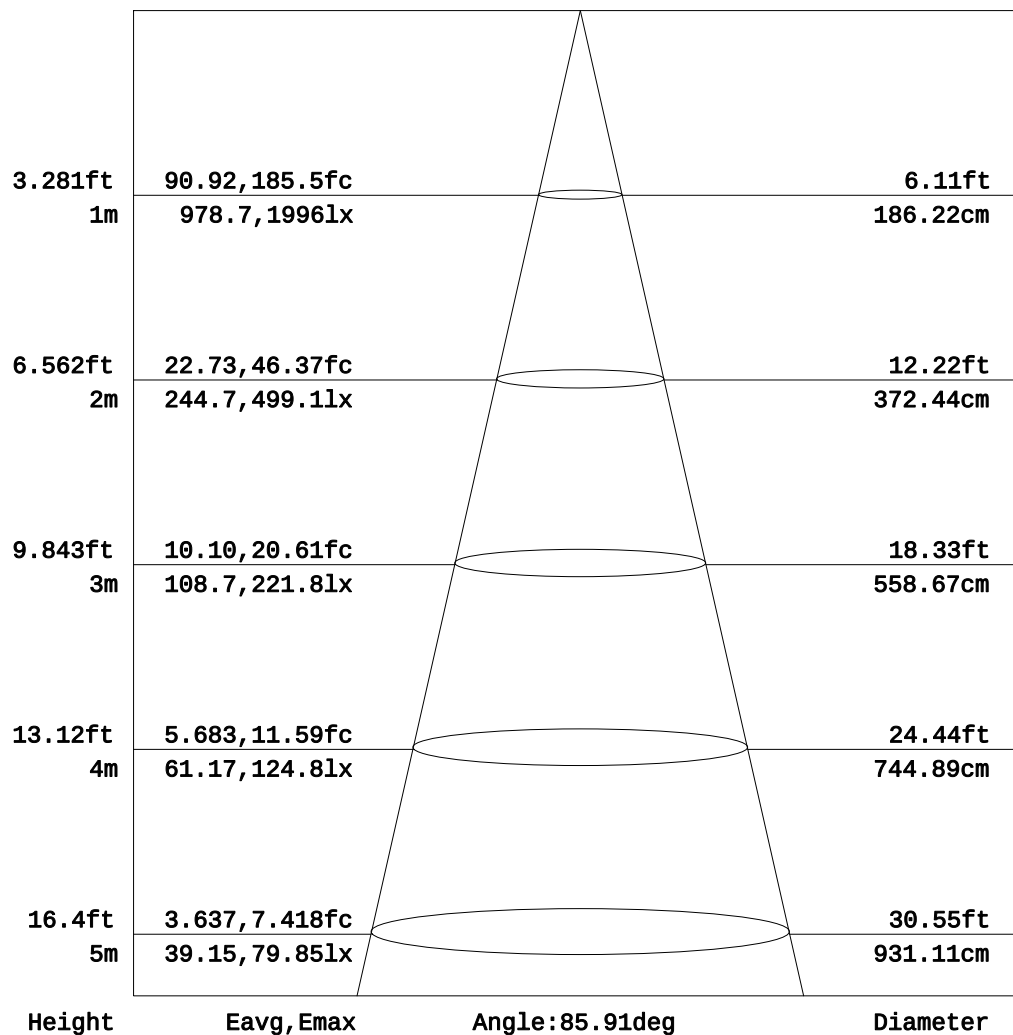
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-07-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: 8070-0099

AAI Figure

Test:U:229.9V I:0.1287A P:27.00W PF:0.9587 Lamp Flux:4058.19x1 lm		
NAME: 8070-0099	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	PROTECTION ANGLE:

Flux out:2674 lm



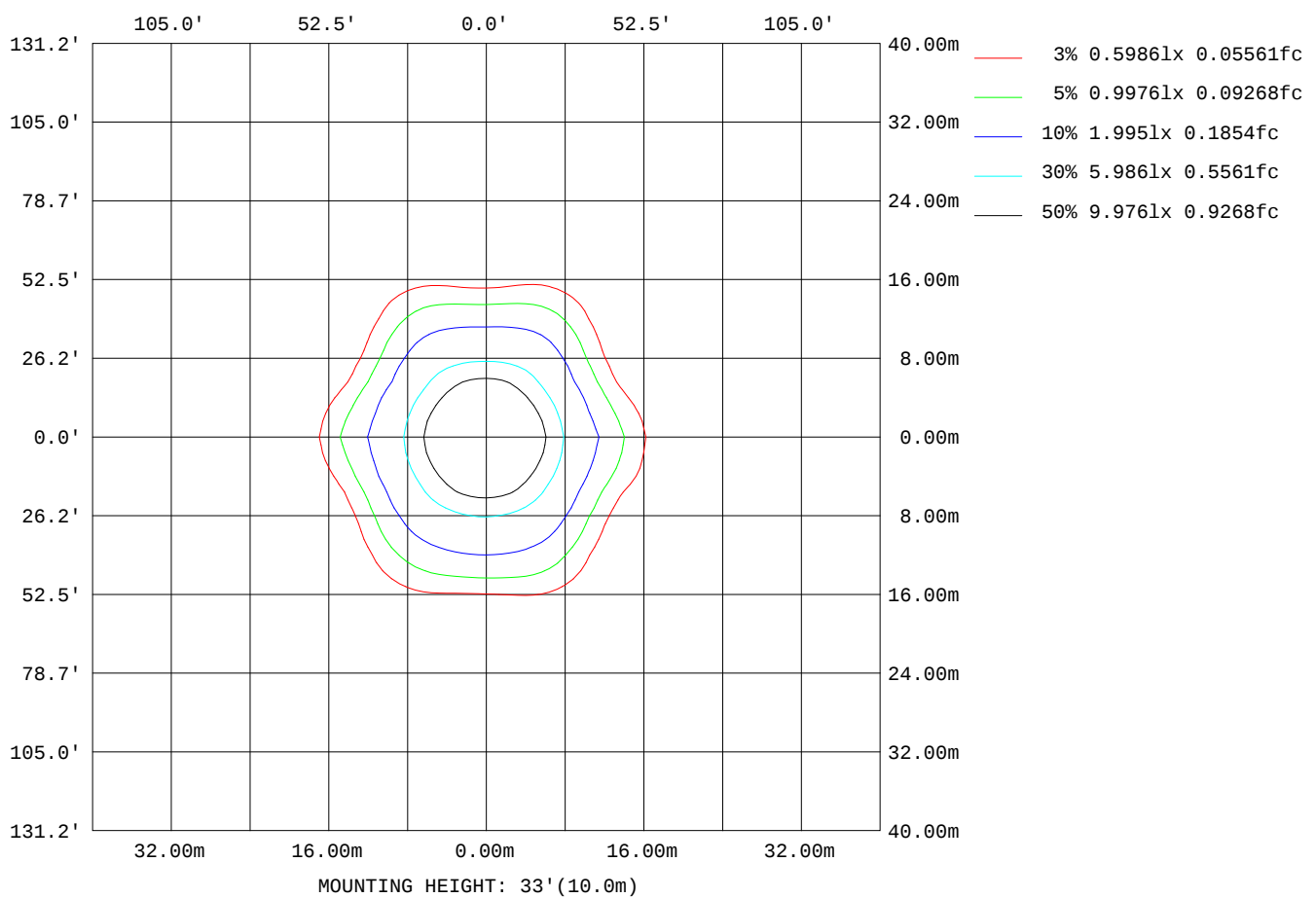
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-07-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.533m [K=1.0000]
Remarks: 8070-0099

ISOLUX DIAGRAM

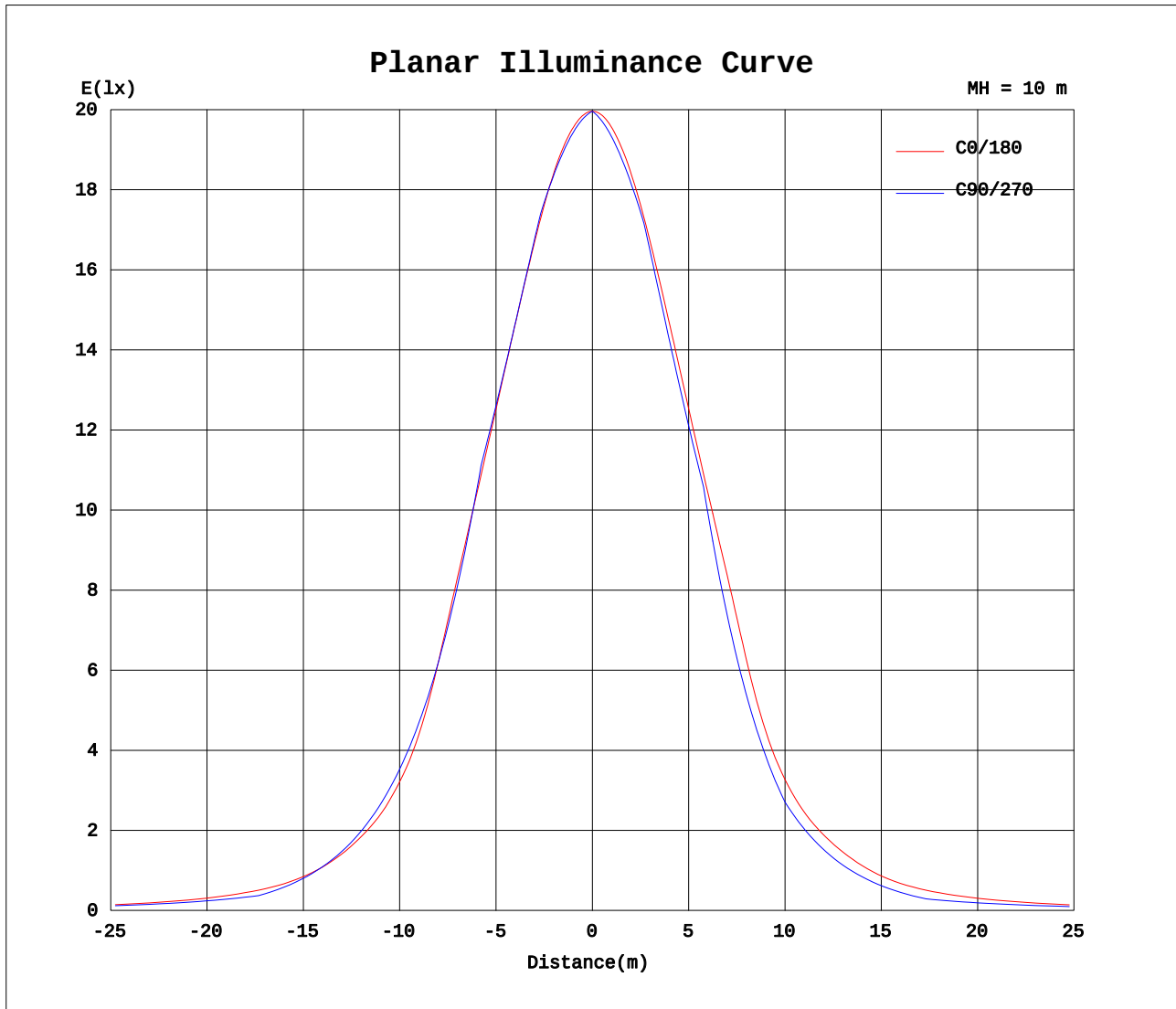
Test:U:229.9V I:0.1287A P:27.00W PF:0.9587 Lamp Flux:4058.19x1 lm		
NAME: 8070-0099	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:550*550	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: 8070-0099

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.533m [K=1.0000]
Remarks: 8070-0099

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
2.5	1994	1993	1992	1991	1990	1990	1989	1989	1988	1987
5.0	1987	1985	1984	1982	1981	1980	1979	1978	1977	1976
7.5	1977	1975	1972	1970	1968	1967	1966	1965	1964	1964
10.0	1963	1960	1957	1954	1952	1951	1950	1949	1949	1949
12.5	1944	1939	1936	1934	1932	1931	1930	1931	1931	1932
15.0	1919	1914	1911	1908	1907	1907	1907	1909	1911	1913
17.5	1889	1884	1881	1879	1878	1879	1881	1884	1888	1892
20.0	1857	1851	1847	1845	1846	1848	1852	1858	1863	1870
22.5	1820	1813	1809	1808	1809	1814	1820	1828	1837	1829
25.0	1779	1770	1766	1765	1768	1774	1784	1795	1784	1777
27.5	1731	1720	1715	1715	1719	1729	1742	1731	1722	1719
30.0	1675	1661	1653	1654	1662	1675	1672	1656	1650	1652
32.5	1606	1585	1576	1577	1589	1608	1581	1567	1566	1575
35.0	1513	1487	1476	1479	1495	1493	1470	1463	1469	1488
37.5	1377	1353	1348	1360	1384	1357	1341	1342	1358	1387
40.0	1205	1183	1186	1211	1231	1205	1198	1206	1232	1265
42.5	1041	1016	1015	1043	1049	1037	1040	1060	1091	1115
45.0	999.9	880.5	872.6	890.7	871.6	863.4	871.9	901.3	937.0	966.0
47.5	797.9	765.7	754.9	756.4	725.4	709.4	708.9	745.8	789.4	820.6
50.0	709.8	673.0	654.3	636.6	603.8	582.6	578.1	608.9	650.3	682.2
52.5	622.7	589.6	570.7	538.4	501.8	475.6	479.2	497.7	527.0	552.8
55.0	537.5	515.1	503.6	462.2	419.8	392.0	395.6	406.6	422.0	441.5
57.5	464.5	450.2	447.1	405.1	357.3	331.8	326.4	329.2	338.3	391.6
60.0	408.8	398.2	391.4	360.8	315.6	285.8	269.9	263.1	301.8	349.6
62.5	365.7	358.1	351.8	327.6	291.6	252.1	224.4	236.4	270.9	313.5
65.0	326.6	322.1	319.6	305.7	273.1	229.0	203.5	217.9	245.1	282.6
67.5	290.2	287.4	289.8	285.5	259.4	215.1	196.3	204.5	224.2	255.7
70.0	247.4	246.9	256.8	259.7	246.4	211.3	190.8	194.2	207.3	230.1
72.5	200.1	201.0	217.7	226.6	225.9	201.9	183.6	182.6	189.3	207.3
75.0	156.2	158.5	177.9	191.6	196.2	185.6	170.2	164.9	172.1	186.9
77.5	131.2	133.1	147.4	158.0	164.2	161.3	151.1	147.4	155.0	168.5
80.0	124.1	123.3	126.3	128.0	131.2	132.9	129.7	129.8	138.1	124.8
82.5	103.1	92.19	92.79	96.92	96.61	103.5	102.3	70.45	42.44	16.91
85.0	63.51	48.17	56.28	60.38	57.37	30.40	0	0	0	0
87.5	12.88	18.75	19.24	0	0	0	0	0	0	0
90.0	0.3290	0	0	0	0	0	0	0	0	0

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
2.5	1987	1987	1986	1986	1986	1986	1986	1986	1986	1986
5.0	1976	1975	1975	1975	1975	1975	1975	1975	1975	1975
7.5	1963	1963	1963	1963	1964	1964	1964	1964	1964	1964
10.0	1949	1950	1951	1951	1952	1953	1953	1954	1954	1954
12.5	1934	1935	1937	1938	1940	1941	1942	1943	1943	1943
15.0	1916	1919	1922	1925	1927	1929	1931	1932	1933	1932
17.5	1897	1902	1903	1900	1898	1897	1896	1896	1896	1896
20.0	1870	1865	1862	1860	1859	1859	1858	1859	1859	1859
22.5	1824	1821	1819	1819	1819	1820	1821	1822	1822	1822
25.0	1774	1774	1775	1776	1778	1781	1783	1785	1785	1785
27.5	1719	1723	1728	1733	1737	1742	1745	1747	1748	1747
30.0	1659	1668	1678	1687	1695	1701	1707	1710	1712	1710
32.5	1592	1609	1626	1640	1622	1608	1598	1594	1593	1594
35.0	1515	1544	1532	1515	1498	1485	1477	1474	1474	1475
37.5	1418	1414	1402	1388	1373	1362	1356	1355	1355	1356
40.0	1275	1278	1271	1260	1248	1238	1234	1235	1236	1237
42.5	1134	1142	1140	1132	1122	1114	1112	1115	1118	1117
45.0	993.4	1008	1009	1003	996.7	990.1	989.3	994.4	998.8	997.7
47.5	853.1	875.1	879.0	875.2	879.3	879.4	878.1	880.1	882.3	881.9
50.0	715.4	744.1	766.4	782.1	785.7	778.9	770.4	766.4	765.9	766.5
52.5	581.5	649.0	684.8	697.2	694.8	680.4	663.9	653.1	649.5	651.4
55.0	509.9	572.0	606.5	615.3	606.6	583.6	558.4	540.2	533.1	536.5
57.5	450.4	502.2	531.4	536.0	520.7	488.5	453.8	427.7	416.7	421.8
60.0	400.6	440.4	460.1	459.0	437.0	395.0	350.2	315.4	300.2	307.4
62.5	358.1	386.1	392.9	386.3	375.2	347.1	316.4	291.5	279.7	284.1
65.0	321.2	340.1	346.4	351.5	344.8	321.7	294.7	270.9	259.1	264.5
67.5	287.5	305.8	310.9	316.5	313.3	295.6	272.5	250.2	238.5	244.8
70.0	255.9	272.3	276.0	281.3	281.3	268.8	250.0	229.5	218.0	225.0
72.5	227.2	239.9	241.7	246.2	248.9	241.3	227.2	208.7	197.4	205.3
75.0	201.1	208.4	207.8	211.2	215.9	213.4	204.1	187.9	176.9	185.6
77.5	177.1	177.9	158.5	143.8	133.7	121.7	108.7	95.55	88.43	94.37
80.0	99.75	75.57	54.72	38.66	25.58	14.37	6.116	1.405	0	1.388
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.533m [K=1.0000]
 Remarks: 8070-0099

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
2.5	1986	1986	1986	1986	1987	1987	1987	1988	1988	1989
5.0	1975	1975	1975	1976	1976	1976	1977	1977	1978	1979
7.5	1964	1964	1964	1964	1964	1964	1964	1965	1965	1966
10.0	1954	1953	1953	1952	1952	1951	1950	1950	1950	1950
12.5	1943	1942	1941	1940	1938	1936	1935	1933	1932	1932
15.0	1932	1930	1929	1926	1923	1921	1918	1915	1913	1911
17.5	1897	1898	1899	1902	1905	1903	1899	1895	1891	1887
20.0	1859	1860	1860	1862	1864	1867	1872	1873	1867	1861
22.5	1822	1821	1820	1820	1821	1823	1827	1833	1839	1831
25.0	1784	1782	1780	1778	1777	1777	1778	1781	1788	1799
27.5	1745	1742	1738	1735	1730	1727	1724	1724	1727	1737
30.0	1707	1702	1696	1690	1681	1673	1665	1658	1656	1663
32.5	1599	1608	1623	1643	1630	1615	1598	1582	1573	1575
35.0	1479	1486	1499	1517	1537	1551	1522	1495	1476	1472
37.5	1358	1363	1375	1390	1407	1421	1426	1395	1365	1351
40.0	1236	1239	1249	1263	1276	1285	1284	1273	1239	1215
42.5	1115	1115	1123	1135	1145	1151	1145	1127	1100	1071
45.0	992.6	990.7	996.8	1007	1014	1019	1010	985.5	953.1	922.7
47.5	879.1	878.0	878.6	877.7	885.5	890.2	878.2	848.5	813.6	775.5
50.0	768.5	775.0	783.4	783.3	774.2	765.1	750.1	717.4	682.2	637.4
52.5	658.9	674.1	691.0	697.3	692.9	673.4	626.4	593.0	559.6	519.6
55.0	550.4	575.1	601.1	614.6	614.9	596.5	550.6	482.0	450.9	423.8
57.5	442.9	477.8	513.4	534.8	539.8	524.4	484.8	425.2	362.9	344.5
60.0	336.2	382.2	427.6	457.4	467.2	458.1	428.3	378.6	324.0	277.3
62.5	303.4	334.8	365.6	384.4	397.7	398.1	380.6	340.0	292.3	249.4
65.0	283.5	311.2	337.0	350.7	349.6	346.5	340.4	307.8	266.6	229.4
67.5	263.2	286.7	307.5	316.6	313.3	311.2	304.9	281.0	246.2	214.7
70.0	242.6	261.4	277.3	281.8	277.3	276.4	270.5	250.8	228.1	203.6
72.5	221.8	235.6	246.4	246.9	241.7	242.1	237.7	222.4	203.4	190.1
75.0	200.7	209.2	214.9	211.8	206.4	208.5	206.7	196.3	180.7	168.5
77.5	166.9	119.4	133.4	144.2	156.2	175.3	177.3	172.0	159.4	147.6
80.0	6.019	14.10	25.55	38.72	53.92	74.51	98.72	124.2	139.1	127.5
82.5	0	0	0	0	0	0	0	16.84	42.74	68.38
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
2.5	1989	1990	1991	1992	1992	1993	1994	1993	1992	1990
5.0	1980	1981	1982	1983	1985	1986	1988	1985	1983	1981
7.5	1966	1967	1969	1970	1972	1975	1977	1973	1970	1967
10.0	1950	1951	1953	1955	1957	1960	1964	1959	1954	1950
12.5	1932	1932	1933	1935	1937	1940	1944	1938	1933	1928
15.0	1909	1909	1909	1910	1912	1916	1921	1913	1907	1902
17.5	1884	1882	1881	1881	1883	1886	1892	1883	1877	1872
20.0	1855	1851	1849	1848	1849	1853	1858	1849	1843	1838
22.5	1823	1817	1813	1811	1812	1815	1822	1811	1804	1799
25.0	1788	1779	1772	1769	1773	1780	1780	1768	1759	1755
27.5	1748	1735	1726	1720	1720	1724	1733	1718	1708	1703
30.0	1681	1684	1670	1662	1660	1665	1678	1658	1646	1642
32.5	1590	1620	1600	1587	1584	1592	1610	1581	1564	1559
35.0	1482	1505	1507	1489	1485	1497	1522	1483	1458	1450
37.5	1352	1368	1395	1374	1365	1369	1391	1350	1329	1324
40.0	1209	1222	1253	1241	1215	1207	1222	1182	1168	1176
42.5	1060	1066	1088	1085	1047	1040	1059	1018	1001	1008
45.0	901.5	896.7	906.3	924.9	895.6	897.0	925.0	879.1	854.8	859.4
47.5	735.6	732.0	746.6	768.6	763.6	778.6	817.1	765.1	733.9	720.2
50.0	593.3	595.1	610.9	636.9	652.9	680.2	728.0	671.4	631.9	601.5
52.5	490.1	481.6	501.4	529.4	560.7	594.0	644.0	590.0	549.7	506.8
55.0	405.3	394.1	413.0	446.1	485.7	514.0	552.5	512.6	481.6	433.3
57.5	334.3	330.1	343.7	383.6	428.9	445.8	469.3	444.8	426.7	377.8
60.0	274.8	279.4	294.0	336.8	379.3	393.2	407.1	393.5	378.9	335.6
62.5	226.8	241.5	265.4	301.3	339.1	352.9	361.5	352.5	342.1	304.9
65.0	203.7	214.1	246.4	278.6	310.0	319.1	319.9	314.6	310.5	286.6
67.5	194.3	197.7	234.1	266.2	285.8	288.1	283.6	282.0	283.7	273.7
70.0	186.5	195.0	223.7	251.1	260.0	254.6	245.7	247.7	255.8	253.7
72.5	178.9	187.9	211.2	227.7	228.1	216.0	204.1	207.7	221.5	224.3
75.0	165.7	176.2	190.4	197.5	191.3	176.9	162.9	167.3	183.0	190.4
77.5	146.0	156.6	162.7	162.2	155.7	145.1	133.5	136.7	149.6	155.3

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.533m [K=1.0000]
 Remarks: 8070-0099

Photometric Data Table [cd]

80.0	125.8	130.6	131.5	127.0	125.6	123.0	121.0	122.6	127.6	124.1
82.5	100.4	102.7	98.46	92.86	90.17	90.92	103.2	102.5	98.90	93.47
85.0	0	30.38	59.61	58.15	53.81	49.25	66.80	65.70	61.58	55.19
87.5	0	0	0	0	18.71	17.68	14.76	19.49	15.15	0
90.0	0	0	0	0	0	0	0.6237	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
2.5	1989	1988	1987	1986	1985	1984	1984	1983	1983	1982
5.0	1978	1977	1975	1973	1972	1971	1969	1969	1968	1967
7.5	1964	1961	1959	1957	1956	1954	1953	1953	1952	1951
10.0	1946	1943	1941	1939	1938	1937	1936	1935	1935	1935
12.5	1925	1922	1920	1918	1917	1917	1917	1917	1917	1918
15.0	1899	1896	1894	1894	1894	1895	1896	1897	1899	1900
17.5	1869	1867	1867	1867	1868	1870	1873	1876	1875	1870
20.0	1836	1835	1836	1836	1841	1844	1841	1833	1827	1822
22.5	1797	1798	1801	1806	1811	1798	1787	1780	1776	1772
25.0	1754	1757	1763	1771	1751	1737	1729	1724	1722	1722
27.5	1704	1709	1719	1698	1679	1669	1665	1664	1666	1669
30.0	1644	1653	1641	1611	1594	1589	1592	1599	1607	1615
32.5	1568	1583	1538	1509	1496	1497	1509	1527	1543	1558
35.0	1461	1453	1416	1391	1383	1392	1416	1446	1441	1423
37.5	1335	1299	1273	1257	1256	1274	1305	1314	1309	1290
40.0	1178	1138	1117	1110	1116	1142	1167	1182	1179	1160
42.5	998.7	969.9	955.0	956.4	970.3	1004	1034	1052	1053	1032
45.0	830.0	803.4	787.2	797.4	834.6	869.3	905.5	926.9	929.6	907.0
47.5	685.5	660.2	636.6	655.9	705.8	740.5	780.4	806.1	809.0	785.2
50.0	566.6	538.6	520.2	541.4	584.4	619.9	658.4	689.3	705.7	705.6
52.5	467.3	437.7	435.4	449.3	476.0	508.6	540.4	604.0	631.5	632.0
55.0	387.5	358.3	362.8	370.3	385.9	412.8	476.1	534.8	560.6	559.1
57.5	325.5	301.6	298.7	301.9	312.7	369.3	424.8	471.8	493.1	487.4
60.0	284.6	257.7	246.2	242.5	282.8	333.0	382.8	416.3	428.8	417.4
62.5	263.3	226.0	202.8	220.7	258.6	302.9	347.5	368.7	368.4	351.2
65.0	249.2	204.6	184.2	206.1	239.0	278.0	317.1	328.6	323.7	318.5
67.5	240.4	194.8	179.3	195.8	223.4	257.8	283.9	291.3	286.6	284.8
70.0	231.3	194.7	175.4	188.4	208.9	228.2	247.8	254.2	249.4	250.1
72.5	214.2	187.3	170.4	176.7	183.7	199.1	214.2	217.7	212.3	214.8
75.0	186.7	172.2	157.5	154.2	160.3	172.1	182.8	181.8	175.3	179.0
77.5	154.8	148.3	136.8	132.5	137.9	146.7	153.2	146.6	127.8	119.2
80.0	122.4	120.6	114.7	111.7	116.2	103.3	84.36	62.30	44.11	31.96
82.5	89.79	92.43	87.81	59.06	35.60	13.99	0	0	0	0
85.0	52.39	26.98	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
2.5	1982	1981	1981	1981	1981	1981	1981	1981	1982	1982
5.0	1967	1966	1966	1966	1966	1966	1966	1966	1967	1967
7.5	1951	1951	1951	1951	1951	1951	1951	1951	1951	1951
10.0	1935	1935	1935	1935	1935	1935	1935	1935	1935	1934
12.5	1919	1919	1920	1920	1920	1920	1919	1919	1918	1917
15.0	1902	1903	1904	1905	1905	1905	1904	1902	1901	1899
17.5	1866	1862	1860	1859	1859	1859	1860	1862	1865	1869
20.0	1818	1816	1814	1813	1813	1813	1813	1815	1817	1820
22.5	1770	1769	1768	1767	1767	1767	1766	1767	1768	1770
25.0	1721	1721	1721	1720	1720	1719	1719	1719	1719	1719
27.5	1671	1673	1674	1675	1674	1674	1672	1670	1668	1665
30.0	1620	1624	1627	1628	1628	1627	1625	1621	1617	1610
32.5	1537	1517	1501	1489	1485	1488	1498	1514	1533	1553
35.0	1401	1380	1361	1347	1341	1345	1358	1376	1397	1418
37.5	1267	1243	1222	1205	1197	1203	1219	1239	1262	1285
40.0	1134	1107	1083	1063	1054	1061	1080	1102	1128	1154
42.5	1002	972.1	945.3	921.6	910.0	918.9	941.4	966.7	996.5	1027
45.0	871.9	837.6	807.7	780.3	766.4	777.3	803.4	831.8	866.8	902.5
47.5	758.2	734.9	711.9	689.5	677.6	686.3	707.3	728.9	753.4	781.6
50.0	682.1	653.7	625.5	600.9	588.9	597.5	620.5	647.6	677.2	702.4
52.5	607.3	573.7	539.6	512.3	500.2	508.6	534.3	567.5	602.1	629.2
55.0	533.5	494.6	454.1	423.7	411.4	419.7	448.5	488.4	527.9	556.8
57.5	460.6	416.5	369.3	335.1	322.7	330.9	363.3	410.1	454.6	485.0
60.0	388.2	339.1	284.9	246.4	234.0	242.0	278.6	332.6	382.1	414.0
62.5	334.0	300.0	260.7	231.3	221.4	227.5	255.0	294.0	328.5	345.9
65.0	306.5	279.5	246.6	219.0	208.8	216.0	241.8	274.5	302.5	314.2
67.5	277.7	257.9	232.0	206.6	196.2	204.3	228.0	253.8	275.1	281.8
70.0	248.3	235.3	216.8	194.1	183.6	192.7	213.7	232.1	247.0	248.7

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.533m [K=1.0000]
 Remarks: 8070-0099

Photometric Data Table [cd]

72.5	218.3	211.8	201.1	181.6	171.0	181.0	198.9	209.7	218.1	215.1
75.0	187.6	187.7	184.9	169.0	158.4	169.3	183.7	186.6	188.5	181.1
77.5	115.6	107.0	98.68	86.02	79.19	86.19	98.05	106.5	116.5	121.3
80.0	22.10	12.61	5.554	1.265	0	1.268	5.518	12.55	22.30	32.52
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
2.5	1982	1983	1984	1984	1985	1986	1987	1988	1989	1990
5.0	1967	1968	1969	1970	1971	1973	1974	1976	1978	1980
7.5	1951	1952	1953	1954	1955	1957	1959	1961	1964	1966
10.0	1934	1935	1935	1936	1937	1938	1940	1943	1946	1949
12.5	1917	1916	1916	1915	1916	1917	1918	1920	1924	1927
15.0	1898	1896	1894	1893	1892	1892	1893	1894	1897	1900
17.5	1874	1874	1871	1868	1866	1865	1864	1864	1866	1870
20.0	1824	1830	1838	1842	1838	1834	1832	1832	1832	1835
22.5	1773	1777	1784	1794	1808	1802	1797	1794	1793	1795
25.0	1719	1721	1724	1733	1746	1765	1757	1751	1748	1749
27.5	1662	1659	1659	1662	1671	1689	1709	1700	1695	1695
30.0	1602	1593	1584	1580	1583	1598	1627	1639	1630	1627
32.5	1537	1519	1500	1485	1480	1491	1519	1559	1542	1535
35.0	1434	1436	1403	1375	1363	1370	1390	1418	1423	1419
37.5	1301	1304	1289	1252	1233	1233	1243	1262	1294	1292
40.0	1172	1173	1152	1120	1094	1087	1090	1109	1144	1145
42.5	1047	1047	1024	989.0	953.3	937.8	937.8	946.8	967.5	969.3
45.0	926.7	927.1	902.6	864.7	825.9	789.9	775.1	780.4	791.9	811.0
47.5	810.9	812.8	786.4	744.8	704.6	656.0	623.2	635.3	651.9	674.3
50.0	712.4	703.9	674.6	630.2	590.6	538.8	509.4	519.0	535.7	559.1
52.5	638.1	620.0	565.9	523.7	485.4	447.9	427.2	422.4	441.4	469.7
55.0	565.7	547.8	496.2	430.4	396.0	371.5	356.3	347.5	365.3	400.6
57.5	495.5	481.3	439.3	383.8	324.7	305.0	295.1	291.3	305.2	348.1
60.0	428.0	421.7	392.8	345.8	294.3	247.0	243.4	248.0	263.0	311.1
62.5	364.0	369.6	354.1	315.4	271.4	227.2	201.4	218.1	244.5	286.1
65.0	318.7	325.6	321.8	291.8	254.3	215.2	185.4	200.2	236.4	273.9
67.5	282.8	289.6	288.6	274.0	242.1	207.5	182.4	193.9	232.4	270.3
70.0	246.8	253.4	252.7	243.0	230.6	202.1	179.2	193.8	226.6	255.1
72.5	210.9	217.4	218.5	211.3	200.4	189.5	173.6	185.7	210.9	224.2
75.0	174.9	181.7	185.9	180.8	171.4	161.9	159.4	171.6	184.2	187.8
77.5	128.2	146.4	154.4	151.4	143.5	136.6	137.7	149.3	154.5	153.9
80.0	44.25	62.22	84.71	104.7	116.7	113.2	115.5	122.0	124.0	123.4
82.5	0	0	0	14.17	35.61	59.46	88.85	93.80	90.94	91.28
85.0	0	0	0	0	0	0	0	27.49	52.42	52.25
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	1996	1996								
2.5	1991	1992								
5.0	1982	1984								
7.5	1970	1973								
10.0	1953	1958								
12.5	1932	1937								
15.0	1905	1912								
17.5	1874	1881								
20.0	1840	1847								
22.5	1800	1809								
25.0	1755	1765								
27.5	1701	1713								
30.0	1634	1651								
32.5	1545	1569								
35.0	1435	1466								
37.5	1304	1331								
40.0	1142	1160								
42.5	965.1	990.4								
45.0	818.8	852.9								
47.5	694.6	735.4								
50.0	592.4	642.6								
52.5	510.0	560.0								
55.0	446.3	487.0								
57.5	397.1	429.4								
60.0	361.7	386.8								
62.5	333.9	353.4								

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.533m [K=1.0000]
 Remarks: 8070-0099

Photometric Data Table [cd]

65.0	311.7	322.4
67.5	292.3	295.2
70.0	266.4	260.0
72.5	230.3	215.8
75.0	188.6	173.6
77.5	151.8	143.1
80.0	126.2	126.1
82.5	95.60	101.7
85.0	58.24	62.40
87.5	14.73	18.76
90.0	0	0

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-07-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.533m [K=1.0000]
Remarks: 8070-0099