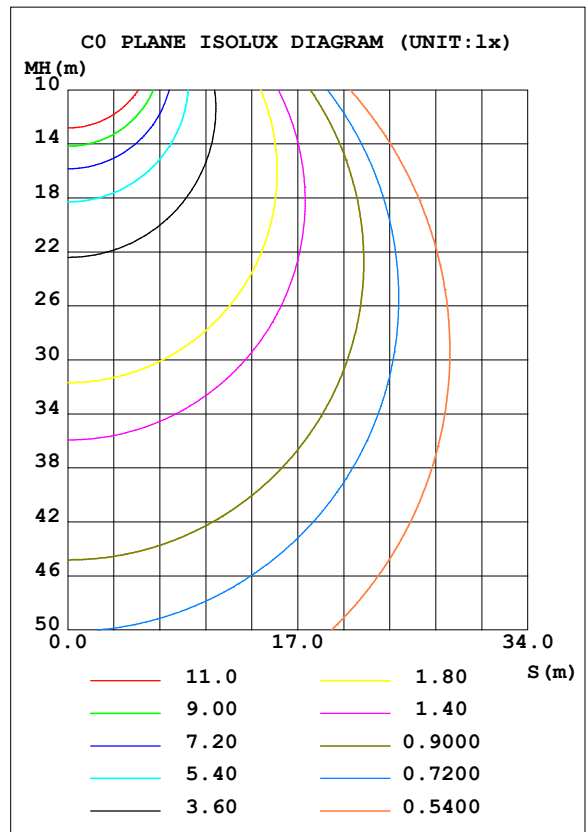
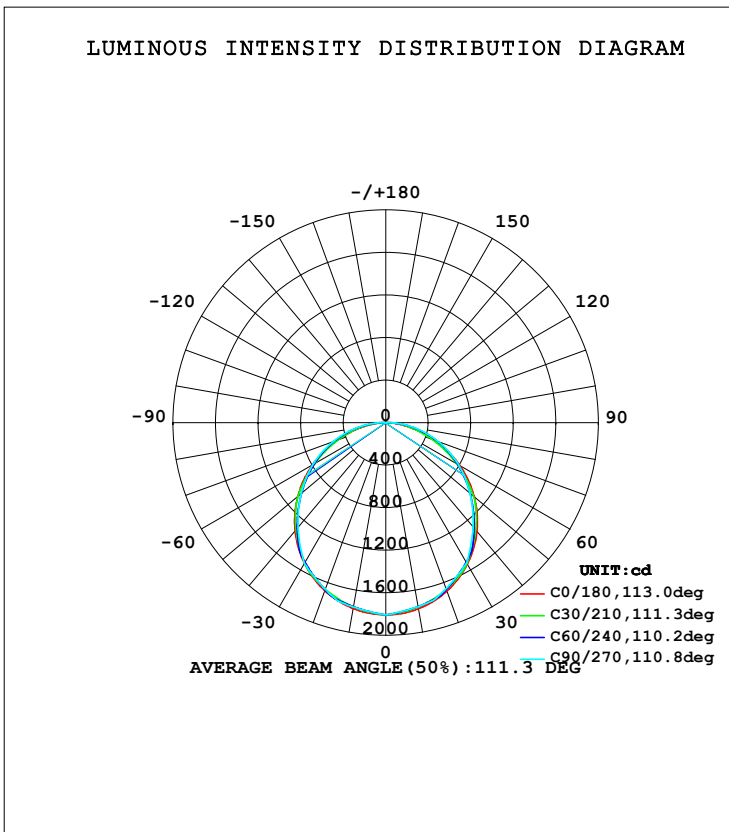


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.26 lm/W			
MODEL		I _{max} (cd)	1807	S/MH (C0/180)	1.26
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)		TOTAL FLUX (lm)	5150.5	η UP, DN (C0-180)	0.0, 49.8
NOMINAL FLUX (lm)	5150.53	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 9.646m [K=1.0518]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	1800	1786	1782	1785	1799	1786	1784	1787	0- 5	42.91	42.91	0.83,0.83
10	1777	1757	1756	1755	1774	1757	1760	1759	5- 10	126.9	169.8	3.3,3.3
15	1739	1720	1731	1717	1735	1721	1736	1724	10- 15	206.7	376.5	7.31,7.31
20	1685	1677	1661	1672	1680	1678	1667	1683	15- 20	279.9	656.4	12.7,12.7
25	1617	1601	1592	1595	1612	1601	1598	1606	20- 25	342.8	999.1	19.4,19.4
30	1536	1514	1522	1508	1530	1514	1529	1520	25- 30	394.7	1394	27.1,27.1
35	1441	1423	1400	1417	1434	1423	1407	1429	30- 35	433.3	1827	35.5,35.5
40	1335	1322	1278	1317	1327	1323	1284	1328	35- 40	455.0	2282	44.3,44.3
45	1216	1184	1155	1178	1209	1184	1161	1190	40- 45	460.8	2743	53.3,53.3
50	1088	1045	1033	1037	1081	1044	1039	1051	45- 50	451.8	3195	62,62
55	949.7	906.3	910.9	896.4	943.0	904.7	915.8	911.7	50- 55	428.7	3623	70.3,70.3
60	803.4	768.9	788.7	755.8	797.2	767.3	793.1	774.5	55- 60	392.8	4016	78,78
65	650.4	633.4	658.2	616.1	644.6	632.0	661.2	639.8	60- 65	345.2	4361	84.7,84.7
70	492.9	499.4	527.7	480.9	488.5	499.5	529.4	506.4	65- 70	287.3	4649	90.3,90.3
75	338.0	369.3	397.1	354.3	335.4	370.2	397.5	375.5	70- 75	222.8	4871	94.6,94.6
80	195.7	244.1	266.6	233.6	193.6	244.8	265.6	248.4	75- 80	156.3	5028	97.6,97.6
85	74.61	122.7	136.1	117.4	71.95	122.5	133.7	124.4	80- 85	91.95	5120	99.4,99.4
90	2.090	3.346	5.567	3.590	2.062	1.889	1.839	1.877	85- 90	30.83	5151	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			

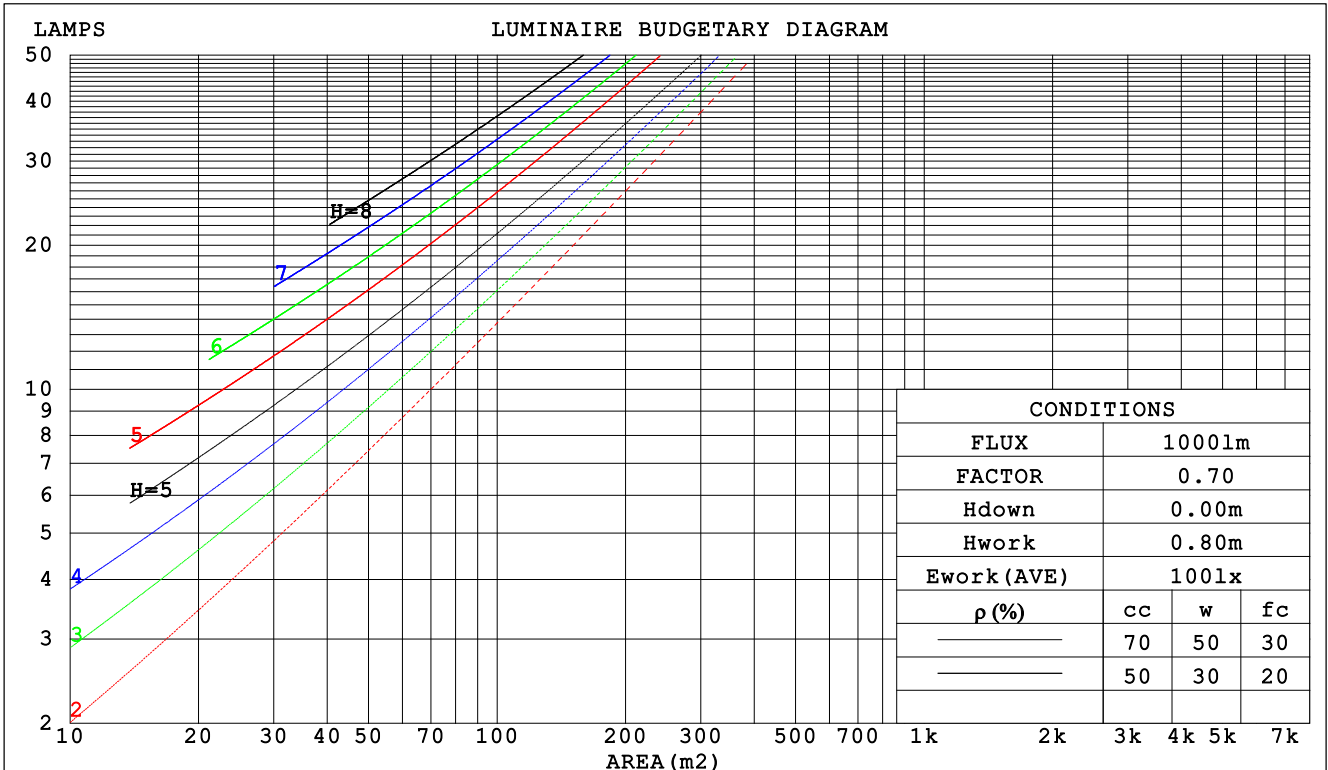
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:9.646m [K=1.0518]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:9.646m [K=1.0518]
 Remarks:

WEC AND CCEC

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm												
NAME:				TYPE:				WEIGHT:				
SPEC.:				DIM.:				SERIAL No.:				
MFR.:				SUR.:				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	.316	.180	.057	.309	.176	.056	.296	.170	.054	.284	.164	.053	.273	.158	.051	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.267	.150	.047	.257	.145	.046	
3.0	.272	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041	
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.037	.228	.123	.037	.220	.120	.036	
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.211	.112	.033	.204	.109	.033	
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.197	.102	.030	.190	.100	.030	
7.0	.199	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.174	.084	.024	.172	.084	.023	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.021	

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	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.101	.079	.059	.058	.046	.034	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:9.646m [K=1.0518]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm										
NAME:					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			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	16.2	17.7	16.4	17.9	18.1	16.1	17.6	16.3	17.8	18.0
3H	17.6	19.0	17.9	19.2	19.5	17.8	19.2	18.1	19.4	19.7
4H	18.1	19.5	18.4	19.7	20.0	18.5	19.9	18.8	20.1	20.4
6H	18.4	19.7	18.7	20.0	20.2	19.2	20.4	19.5	20.7	21.0
8H	18.5	19.7	18.8	20.0	20.3	19.4	20.6	19.7	20.9	21.2
12H	18.5	19.7	18.9	20.0	20.3	19.6	20.8	19.9	21.1	21.4
4H 2H	16.7	18.1	17.0	18.3	18.6	16.7	18.0	17.0	18.3	18.5
3H	18.3	19.5	18.7	19.8	20.1	18.6	19.8	18.9	20.1	20.4
4H	19.0	20.0	19.3	20.4	20.7	19.5	20.6	19.9	20.9	21.2
6H	19.4	20.3	19.8	20.7	21.1	20.3	21.2	20.7	21.6	22.0
8H	19.5	20.4	19.9	20.8	21.1	20.6	21.5	21.0	21.9	22.2
12H	19.5	20.4	20.0	20.8	21.2	20.9	21.7	21.3	22.1	22.5
8H 4H	19.3	20.2	19.7	20.6	21.0	19.8	20.7	20.2	21.0	21.4
6H	19.9	20.6	20.3	21.0	21.5	20.8	21.5	21.2	21.9	22.3
8H	20.1	20.8	20.5	21.2	21.6	21.2	21.9	21.6	22.3	22.7
12H	20.2	20.8	20.7	21.2	21.7	21.6	22.1	22.0	22.6	23.1
12H 4H	19.3	20.2	19.8	20.6	21.0	19.8	20.6	20.2	21.0	21.4
6H	20.0	20.7	20.5	21.1	21.5	20.8	21.5	21.3	21.9	22.4
8H	20.3	20.8	20.7	21.3	21.8	21.3	21.9	21.8	22.3	22.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 5151 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.7)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:9.646m [K=1.0518]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	57	46	39	57	46	39	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	102	98	101	98	95	85
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:2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:9.646m [K=1.0518]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2742.9 lm

%lum = 53.3%

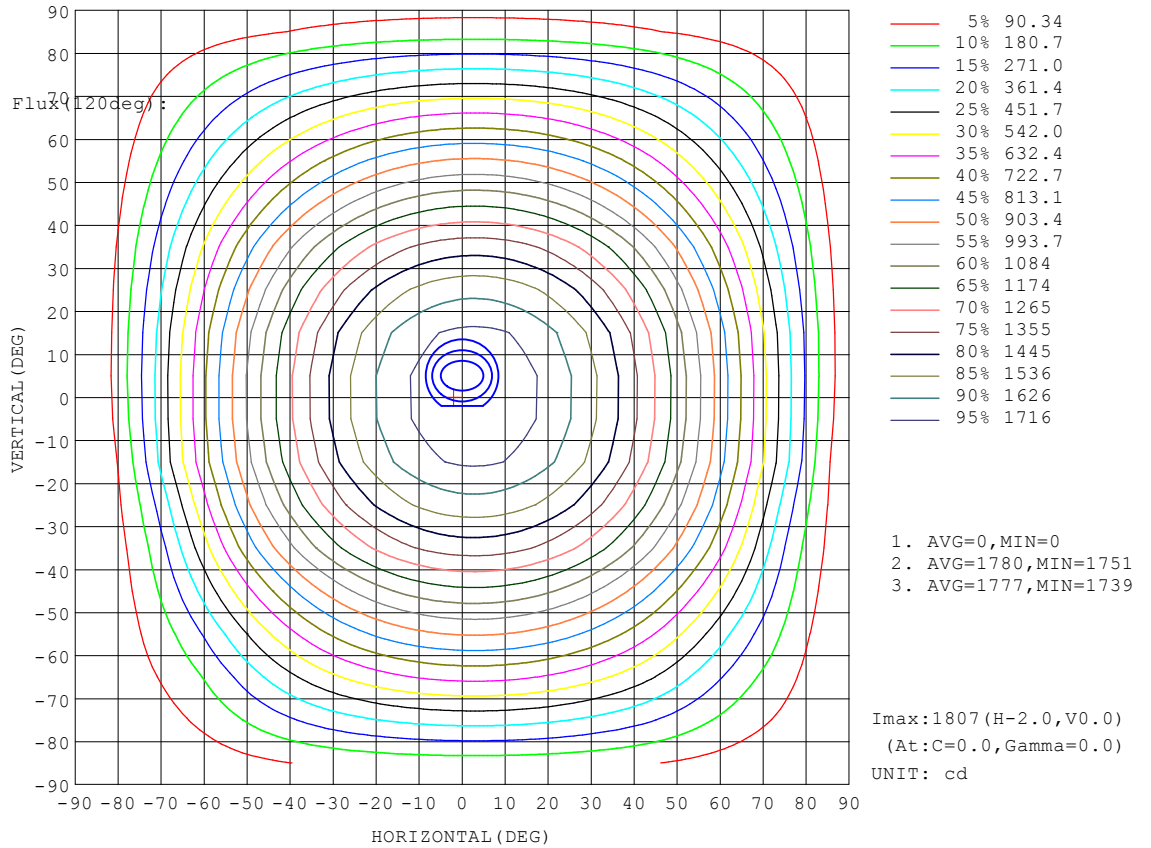
%lamp = 53.3%

Conical surface Flux(20deg):

4016.2 lm

%lum = 78.0%

%lamp = 78.0%

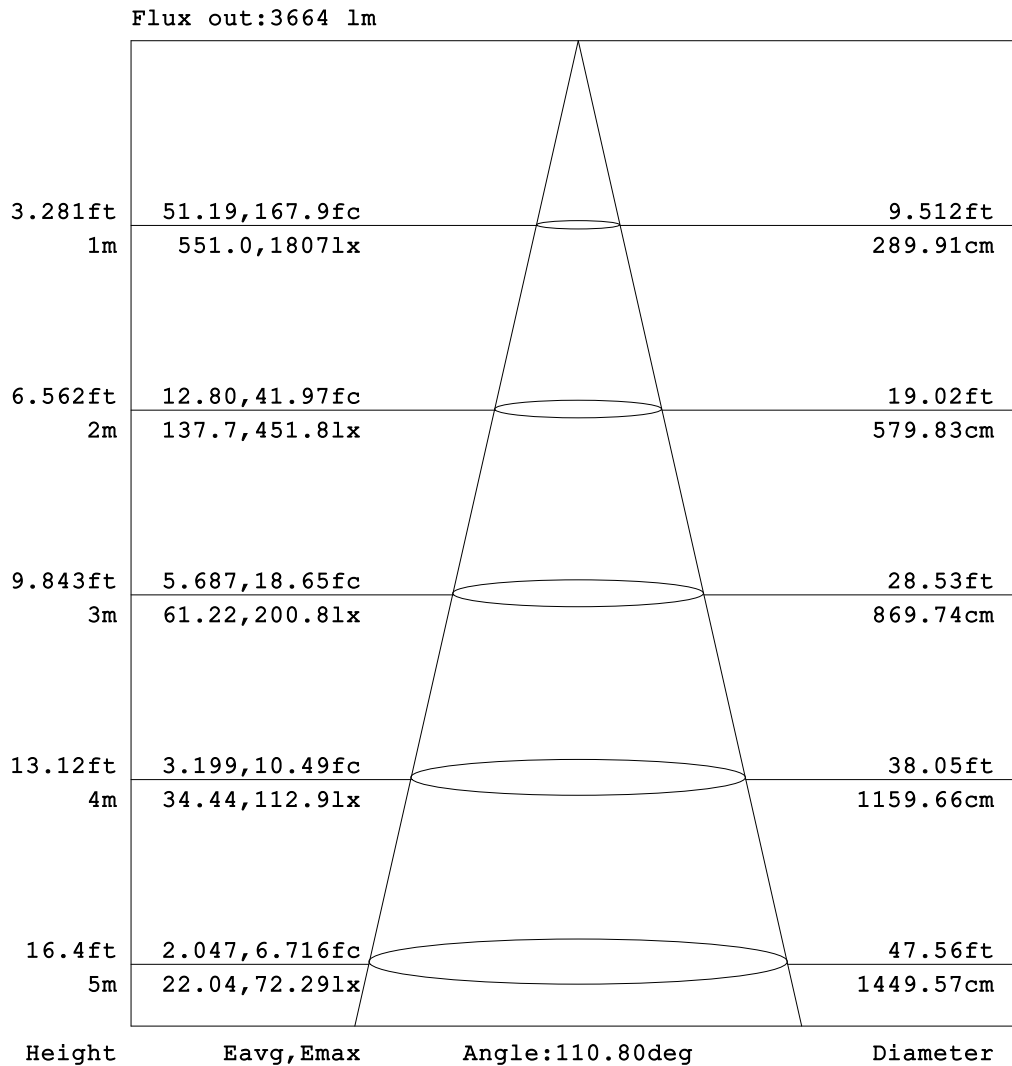


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:9.646m [K=1.0518]
 Remarks:

AAI Figure

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



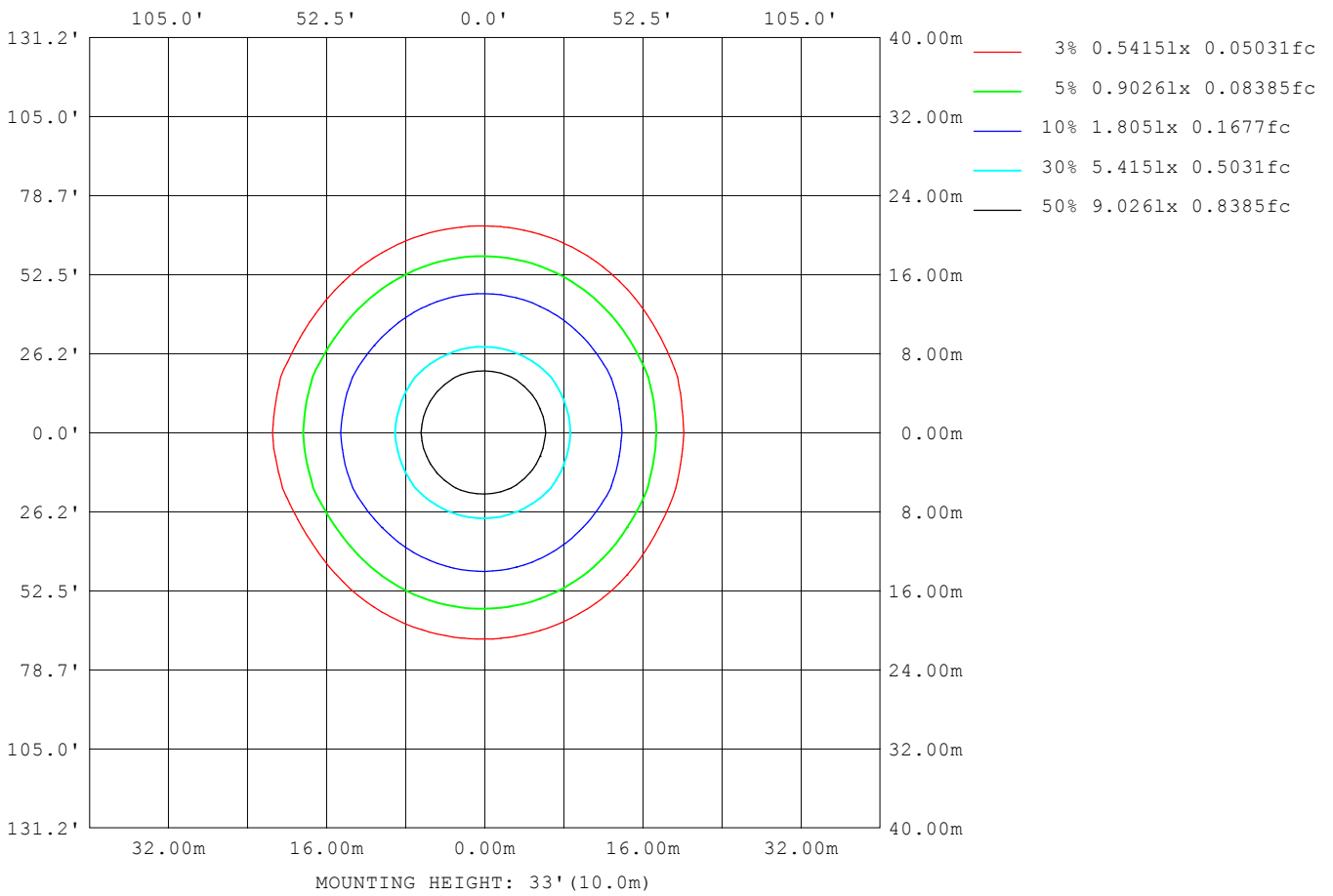
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 9.646m [K=1.0518]
 Remarks:

ISOLUX DIAGRAM

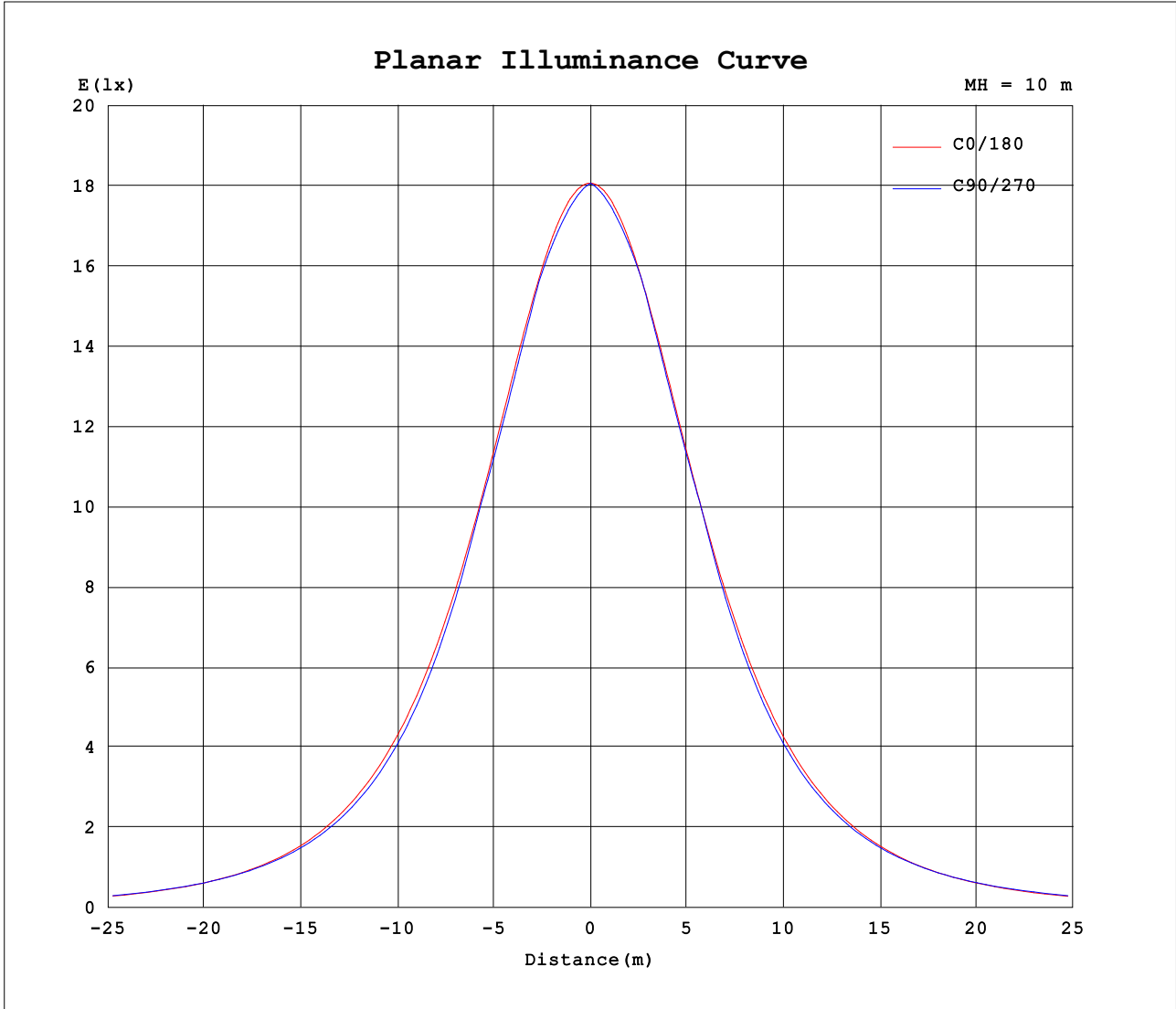
Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:9.646m [K=1.0518]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 9.646m [K=1.0518]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
5	1800	1798	1796	1794	1792	1790	1789	1788	1787	1786	1785	1784	1783	1783	1782	1782	1782	1782	1782
10	1777	1773	1769	1766	1763	1761	1759	1758	1757	1757	1756	1756	1756	1756	1756	1756	1756	1756	1756
15	1739	1733	1728	1724	1721	1720	1719	1719	1719	1720	1722	1723	1725	1727	1728	1729	1730	1730	1731
20	1685	1678	1672	1668	1667	1666	1667	1670	1673	1677	1677	1672	1669	1666	1665	1663	1662	1661	1661
25	1617	1609	1603	1600	1600	1602	1606	1612	1606	1601	1597	1595	1593	1593	1592	1592	1592	1592	1592
30	1536	1526	1520	1519	1522	1527	1527	1521	1516	1514	1513	1514	1515	1517	1519	1520	1522	1522	1522
35	1441	1431	1426	1427	1433	1432	1425	1422	1421	1423	1426	1431	1423	1416	1410	1406	1403	1401	1400
40	1335	1323	1320	1324	1329	1320	1317	1318	1322	1322	1311	1301	1294	1289	1285	1282	1280	1278	1278
45	1216	1205	1204	1213	1204	1200	1202	1209	1195	1184	1176	1170	1165	1162	1160	1158	1157	1156	1155
50	1088	1077	1079	1081	1074	1076	1079	1063	1052	1045	1040	1037	1035	1035	1034	1034	1034	1034	1033
55	950	939	946	939	939	941	924	914	909	906	905	906	907	908	909	910	911	911	911
60	803	795	798	792	797	778	768	765	766	769	772	775	778	782	784	787	788	789	789
65	650	644	638	637	625	616	614	617	625	633	640	645	649	652	655	657	658	658	658
70	493	490	466	460	457	457	462	473	486	499	508	513	518	521	524	526	527	528	528
75	338	322	294	299	304	309	322	340	356	369	378	383	388	391	394	395	397	397	397
80	196	163	159	170	179	192	207	221	234	244	251	256	259	262	264	265	266	267	267
85	74.6	56.2	64.9	76.8	86.2	93.7	102	110	117	123	127	129	131	133	134	135	136	136	136
90	2.09	2.82	2.86	2.84	2.86	2.89	2.91	2.98	3.14	3.35	3.61	3.92	4.28	4.65	5.00	5.30	5.50	5.54	5.57

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:9.646m [K=1.0518]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
5	1782	1782	1782	1782	1782	1783	1783	1784	1785	1786	1787	1788	1789	1791	1793	1794	1796	1799	1797
10	1756	1756	1755	1755	1755	1754	1754	1754	1755	1755	1756	1757	1759	1761	1763	1767	1770	1774	1771
15	1730	1729	1728	1726	1724	1723	1720	1719	1717	1716	1715	1715	1716	1717	1720	1724	1729	1735	1729
20	1661	1661	1662	1662	1664	1666	1669	1672	1672	1668	1665	1662	1661	1661	1663	1667	1673	1680	1673
25	1591	1591	1590	1590	1590	1590	1591	1592	1595	1600	1606	1600	1595	1593	1593	1596	1602	1612	1603
30	1521	1521	1519	1516	1514	1512	1510	1508	1508	1510	1514	1520	1520	1514	1512	1513	1519	1530	1520
35	1400	1401	1404	1407	1412	1419	1426	1421	1417	1415	1415	1418	1424	1424	1419	1418	1423	1434	1424
40	1278	1278	1280	1282	1285	1290	1296	1305	1317	1316	1311	1309	1311	1319	1316	1312	1316	1327	1317
45	1155	1155	1156	1156	1158	1160	1164	1170	1178	1189	1203	1195	1193	1196	1204	1196	1197	1209	1198
50	1033	1032	1031	1031	1030	1030	1031	1033	1037	1044	1055	1072	1069	1066	1072	1071	1069	1081	1070
55	910	909	907	905	903	901	899	897	896	898	903	914	933	931	930	937	932	943	933
60	788	786	784	780	777	772	767	761	756	751	750	754	765	784	779	789	787	797	788
65	657	656	654	651	648	643	636	627	616	606	597	593	594	602	616	624	637	645	638
70	527	526	524	521	517	512	505	495	481	462	446	434	427	426	431	446	483	489	486
75	397	396	394	391	388	383	377	367	354	337	315	288	271	268	268	267	308	335	333
80	266	265	264	262	259	256	251	244	234	220	203	182	161	145	142	138	142	194	194
85	136	135	135	134	132	130	127	123	117	110	100	89.1	78.3	69.6	63.8	55.9	47.7	72.0	71.4
90	5.58	5.55	5.39	5.14	4.78	4.41	4.10	3.83	3.59	3.39	3.23	3.14	3.17	3.11	3.08	2.96	2.80	2.06	1.89

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:9.646m [K=1.0518]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C (DEG) \ γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
5	1795	1793	1791	1790	1789	1788	1787	1786	1785	1785	1784	1784	1784	1783	1783	1783	1784	1784	1784
10	1767	1764	1762	1760	1759	1758	1757	1757	1757	1757	1758	1758	1759	1759	1759	1760	1760	1760	1760
15	1725	1722	1719	1718	1718	1718	1719	1721	1723	1725	1727	1730	1732	1734	1735	1736	1736	1736	1736
20	1668	1665	1664	1664	1666	1669	1673	1678	1678	1674	1672	1670	1668	1668	1667	1667	1667	1668	1668
25	1598	1596	1596	1599	1604	1611	1605	1601	1598	1596	1596	1596	1596	1597	1597	1598	1598	1598	1599
30	1515	1514	1517	1524	1525	1519	1515	1514	1514	1516	1518	1520	1523	1525	1527	1529	1529	1529	1528
35	1420	1422	1428	1429	1422	1420	1421	1423	1427	1433	1425	1419	1414	1410	1408	1407	1407	1407	1409
40	1314	1319	1323	1316	1314	1316	1321	1323	1311	1303	1296	1291	1288	1286	1284	1284	1284	1285	1286
45	1197	1207	1199	1197	1200	1208	1195	1184	1176	1170	1166	1163	1162	1161	1161	1161	1161	1162	1163
50	1072	1075	1070	1073	1077	1062	1051	1044	1040	1037	1036	1036	1036	1036	1037	1038	1039	1039	1039
55	939	934	936	939	924	914	908	905	904	905	906	908	910	912	914	915	916	916	916
60	793	790	797	780	771	767	766	767	770	774	777	782	785	788	790	792	793	793	793
65	639	646	632	624	622	623	627	632	638	644	648	652	655	657	659	660	661	661	661
70	486	482	475	475	478	484	492	499	506	511	516	520	523	526	527	529	529	529	529
75	335	328	329	335	343	354	362	370	376	381	386	389	392	394	396	397	397	397	397
80	191	194	202	212	222	231	239	245	250	254	257	260	262	263	264	265	266	266	265
85	77.7	88.4	96.5	104	110	115	119	123	125	127	129	131	132	133	133	134	134	134	133
90	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.90	1.91	1.93	1.94	1.94	1.94	1.93	1.88	1.84	1.83	1.85

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-10-30

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:9.646m [K=1.0518]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.2239A P:50.86W PF:0.9847 Lamp Flux:5150.53x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

γ (DEG) \ C (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
	0	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807			
5	1784	1784	1785	1785	1786	1786	1787	1788	1789	1790	1791	1793	1794	1796	1798				
10	1760	1760	1759	1759	1759	1759	1759	1760	1761	1761	1763	1765	1767	1770	1773				
15	1735	1733	1732	1730	1728	1726	1724	1723	1722	1722	1722	1723	1726	1729	1733				
20	1669	1671	1673	1675	1678	1682	1683	1678	1674	1671	1669	1669	1670	1673	1678				
25	1599	1599	1599	1600	1601	1603	1606	1611	1618	1611	1606	1603	1602	1604	1609				
30	1527	1526	1524	1522	1520	1519	1520	1522	1526	1532	1532	1525	1522	1522	1527				
35	1413	1417	1422	1430	1437	1432	1429	1427	1427	1430	1437	1437	1430	1428	1432				
40	1288	1291	1295	1300	1307	1317	1328	1328	1323	1322	1324	1333	1328	1323	1325				
45	1164	1165	1168	1171	1175	1181	1190	1201	1215	1208	1205	1209	1217	1207	1206				
50	1039	1040	1040	1041	1043	1046	1051	1058	1069	1085	1081	1079	1085	1082	1079				
55	915	914	913	912	911	911	912	915	921	931	947	944	943	950	941				
60	791	789	786	783	780	777	774	773	774	778	787	804	798	803	797				
65	660	659	656	654	650	645	640	635	631	629	631	639	652	648	647				
70	528	526	524	521	517	512	506	500	492	486	482	482	488	492	494				
75	396	395	392	389	386	381	375	369	360	350	342	336	334	339	339				
80	264	263	262	259	256	253	248	243	235	227	218	207	200	195	198				
85	133	133	132	130	129	127	124	121	117	112	106	99.7	92.1	83.2	75.7				
90	1.86	1.90	1.91	1.93	1.93	1.90	1.88	1.85	1.83	1.81	1.80	1.80	1.80	1.79	1.78				

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG Operators:DAMIN Test Date:2019-10-30	γ Range: 0 - 90DEG γ Interval: 0.5DEG Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286 Humidity:65.0% Test Distance:9.646m [K=1.0518] Remarks:
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