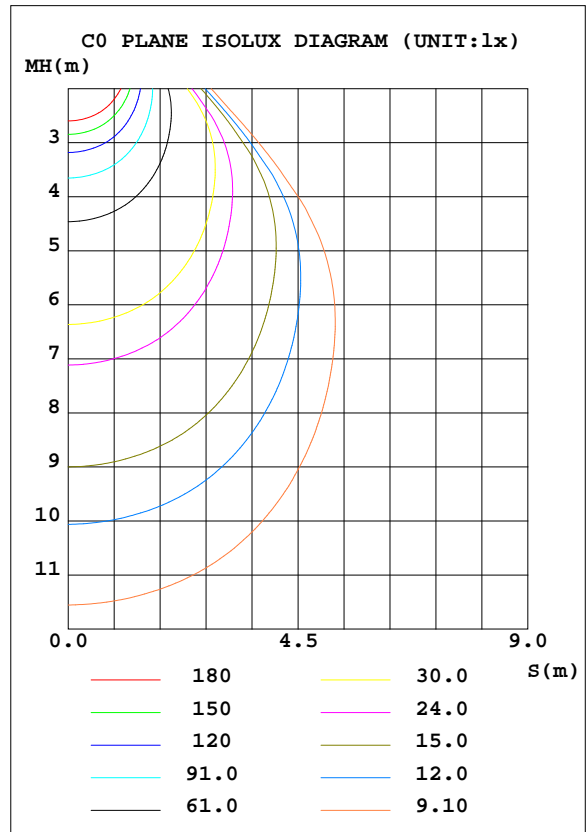
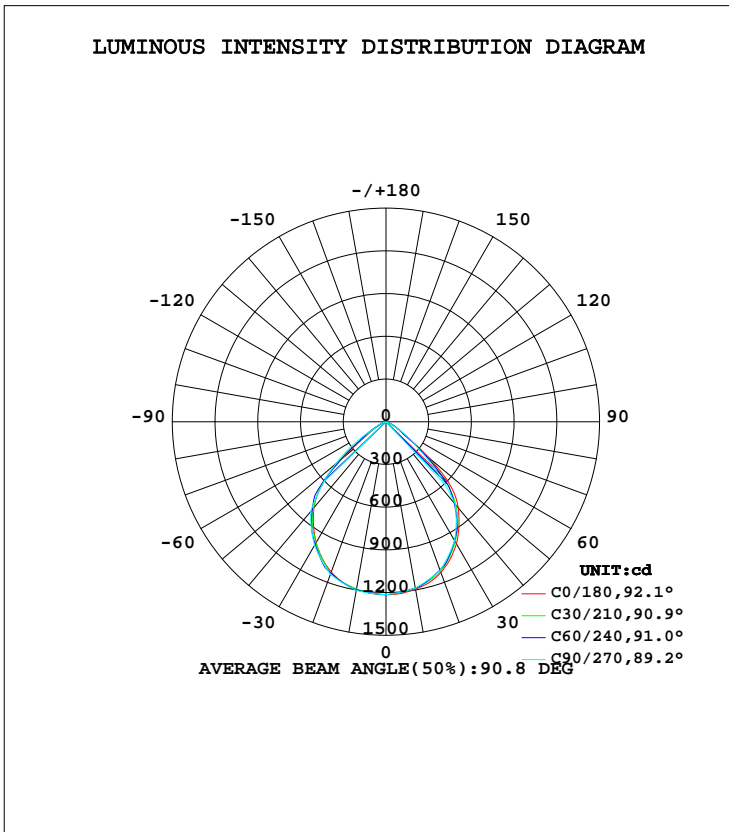


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.63 lm/W			
MODEL	Gooseneck 25w	Imax(cd)	1215	S/MH(C0/180)	1.20
NOMINAL POWER(W)	22	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	122	TOTAL FLUX(lm)	2213.9	η UP, DN(C0-180)	0.0, 51.8
NOMINAL FLUX(lm)	2213.87	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	122.1	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:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	1209	1207	1209	1209	1210	1202	1201	1202	0- 5	28.91	28.91	1.31,1.31
10	1195	1194	1203	1198	1194	1185	1187	1186	5- 10	85.76	114.7	5.18,5.18
15	1169	1172	1172	1177	1170	1159	1149	1161	10- 15	139.8	254.5	11.5,11.5
20	1123	1127	1141	1131	1127	1108	1111	1107	15- 20	188.4	442.8	20,20
25	1060	1069	1072	1076	1066	1048	1038	1042	20- 25	228.7	671.6	30.3,30.3
30	980.6	990.9	1003	1001	989.4	968.7	964.4	961.1	25- 30	258.0	929.5	42,42
35	887.5	902.5	913.2	908.3	893.4	872.0	860.1	865.4	30- 35	275.3	1205	54.4,54.4
40	785.6	805.6	822.9	808.2	789.4	758.1	755.8	752.3	35- 40	278.5	1483	67,67
45	648.5	640.2	641.7	666.2	647.7	563.6	527.9	558.5	40- 45	261.4	1745	78.8,78.8
50	401.2	426.5	460.5	485.1	391.4	334.7	299.9	325.8	45- 50	205.1	1950	88.1,88.1
55	170.6	224.5	281.1	254.4	173.4	172.3	188.2	173.3	50- 55	122.7	2073	93.6,93.6
60	88.47	95.06	101.7	103.3	89.22	84.06	76.47	78.49	55- 60	64.70	2137	96.5,96.5
65	47.87	52.80	62.43	59.35	50.00	45.68	48.11	41.59	60- 65	34.31	2172	98.1,98.1
70	19.61	25.97	23.20	30.87	20.27	23.34	19.75	21.38	65- 70	18.32	2190	98.9,98.9
75	15.69	16.88	18.44	17.66	16.03	17.68	16.55	17.04	70- 75	10.11	2200	99.4,99.4
80	12.11	12.85	13.69	13.39	12.57	13.41	13.35	12.68	75- 80	8.026	2208	99.7,99.7
85	6.846	4.391	0	4.669	7.469	4.486	0	4.129	80- 85	5.067	2213	100,100
90	0.2687	0	0	0	0.4471	0	0	0	85- 90	0.7855	2214	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		

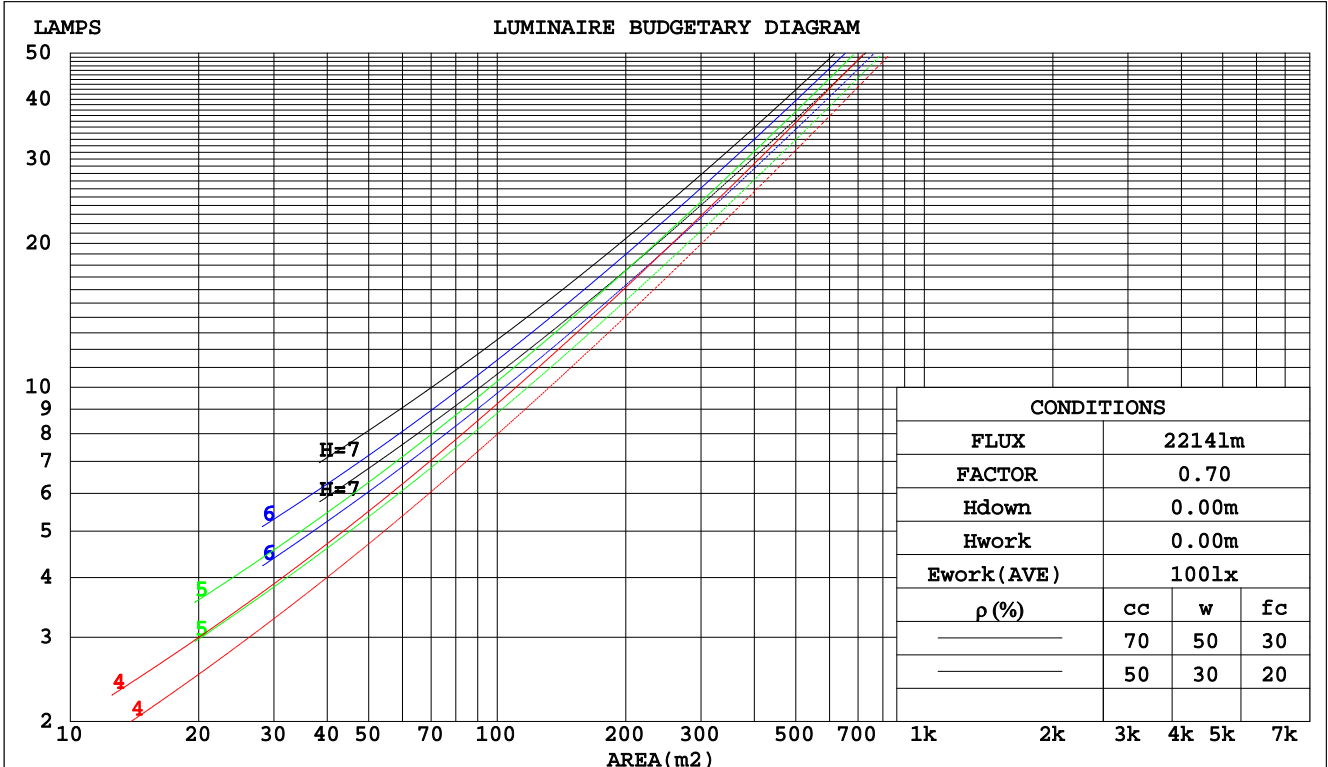
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	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	.00
1.0	1.08	1.05	1.03	1.06	1.03	1.01	1.02	.90	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.98	.93	.89	.96	.92	.88	.93	.89	.86	.90	.87	.84	.87	.84	.82	.80
3.0	.89	.83	.78	.88	.82	.77	.85	.80	.76	.82	.78	.74	.80	.76	.73	.71
4.0	.81	.74	.68	.80	.73	.68	.77	.72	.67	.75	.70	.66	.73	.69	.66	.64
5.0	.74	.66	.61	.73	.66	.61	.71	.65	.60	.69	.64	.59	.67	.63	.59	.57
6.0	.67	.60	.55	.67	.59	.54	.65	.59	.54	.63	.58	.53	.62	.57	.53	.51
7.0	.62	.54	.49	.61	.54	.49	.60	.53	.49	.58	.53	.48	.57	.52	.48	.46
8.0	.57	.50	.45	.56	.49	.44	.55	.49	.44	.54	.48	.44	.53	.48	.44	.42
9.0	.53	.46	.41	.52	.45	.41	.51	.45	.40	.50	.44	.40	.49	.44	.40	.38
10.0	.49	.42	.37	.48	.42	.37	.48	.41	.37	.47	.41	.37	.46	.41	.37	.35



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

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.223	.127	.040	.216	.123	.039	.203	.117	.037	.192	.110	.035	.181	.105	.034	
2.0	.217	.119	.037	.212	.117	.036	.201	.111	.035	.190	.107	.033	.181	.102	.032	
3.0	.208	.111	.033	.203	.109	.033	.193	.105	.032	.185	.101	.031	.176	.098	.030	
4.0	.198	.103	.030	.194	.101	.030	.185	.098	.029	.177	.095	.029	.170	.092	.028	
5.0	.188	.096	.028	.184	.094	.028	.177	.092	.027	.170	.090	.027	.163	.087	.026	
6.0	.178	.089	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025	.156	.082	.024	
7.0	.169	.084	.024	.166	.083	.024	.160	.081	.023	.155	.079	.023	.149	.078	.023	
8.0	.161	.079	.022	.158	.078	.022	.153	.076	.022	.148	.075	.022	.143	.073	.021	
9.0	.153	.074	.021	.150	.073	.021	.145	.072	.020	.141	.071	.020	.137	.069	.020	
10.0	.145	.070	.019	.143	.069	.019	.139	.068	.019	.135	.067	.019	.131	.066	.019	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.174	.157	.141	.149	.135	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.162	.132	.107	.139	.114	.093	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.153	.114	.083	.131	.098	.072	.090	.068	.050	.052	.040	.030	.017	.013	.010	
4.0	.144	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008	
5.0	.137	.089	.053	.118	.077	.047	.081	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.130	.080	.044	.112	.069	.039	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.124	.073	.037	.107	.063	.032	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.119	.067	.032	.102	.058	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.062	.028	.098	.054	.024	.068	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.109	.058	.024	.094	.050	.021	.065	.035	.015	.038	.021	.009	.012	.007	.003	

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

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm										
NAME:					TYPE:			WEIGHT:		
DIM.:					SPEC.:			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	17.2	18.5	17.5	18.7	18.8	17.8	19.0	18.0	19.2	19.4
3H	17.1	18.2	17.4	18.5	18.7	17.7	18.8	18.0	19.0	19.3
4H	17.0	18.1	17.3	18.3	18.6	17.6	18.7	17.9	18.9	19.2
6H	17.0	18.0	17.3	18.2	18.5	17.6	18.6	17.9	18.8	19.1
8H	16.9	17.9	17.3	18.2	18.4	17.5	18.5	17.9	18.8	19.0
12H	16.9	17.8	17.3	18.1	18.4	17.5	18.4	17.8	18.7	19.0
4H 2H	17.1	18.2	17.4	18.4	18.6	17.6	18.7	17.9	18.9	19.2
3H	17.0	17.9	17.3	18.2	18.5	17.6	18.5	17.9	18.8	19.0
4H	17.0	17.8	17.3	18.1	18.4	17.5	18.3	17.9	18.6	19.0
6H	16.9	17.6	17.3	18.0	18.3	17.5	18.2	17.9	18.5	18.9
8H	16.9	17.6	17.3	17.9	18.3	17.5	18.1	17.9	18.5	18.9
12H	16.9	17.5	17.3	17.9	18.3	17.4	18.0	17.8	18.4	18.8
8H 4H	16.8	17.5	17.3	17.9	18.3	17.4	18.1	17.8	18.4	18.8
6H	16.8	17.4	17.3	17.8	18.2	17.4	17.9	17.8	18.3	18.8
8H	16.9	17.3	17.3	17.8	18.2	17.4	17.9	17.8	18.3	18.7
12H	16.9	17.3	17.3	17.7	18.2	17.4	17.8	17.8	18.2	18.7
12H 4H	16.8	17.4	17.2	17.8	18.2	17.4	18.0	17.8	18.3	18.7
6H	16.8	17.3	17.3	17.7	18.2	17.4	17.9	17.8	18.3	18.7
8H	16.8	17.3	17.3	17.7	18.2	17.4	17.8	17.8	18.2	18.7
Variations with the observer position at spacings:										
S = 1.0H	+ 2.2 / - 3.9					+ 1.7 / - 2.4				
1.5H	+ 1.4 / - 3.2					+ 1.0 / - 3.1				
2.0H	+ 4.4 / - 5.1					+ 3.6 / - 5.5				

CIE Pub.117 Corrected 2214 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.8)

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

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

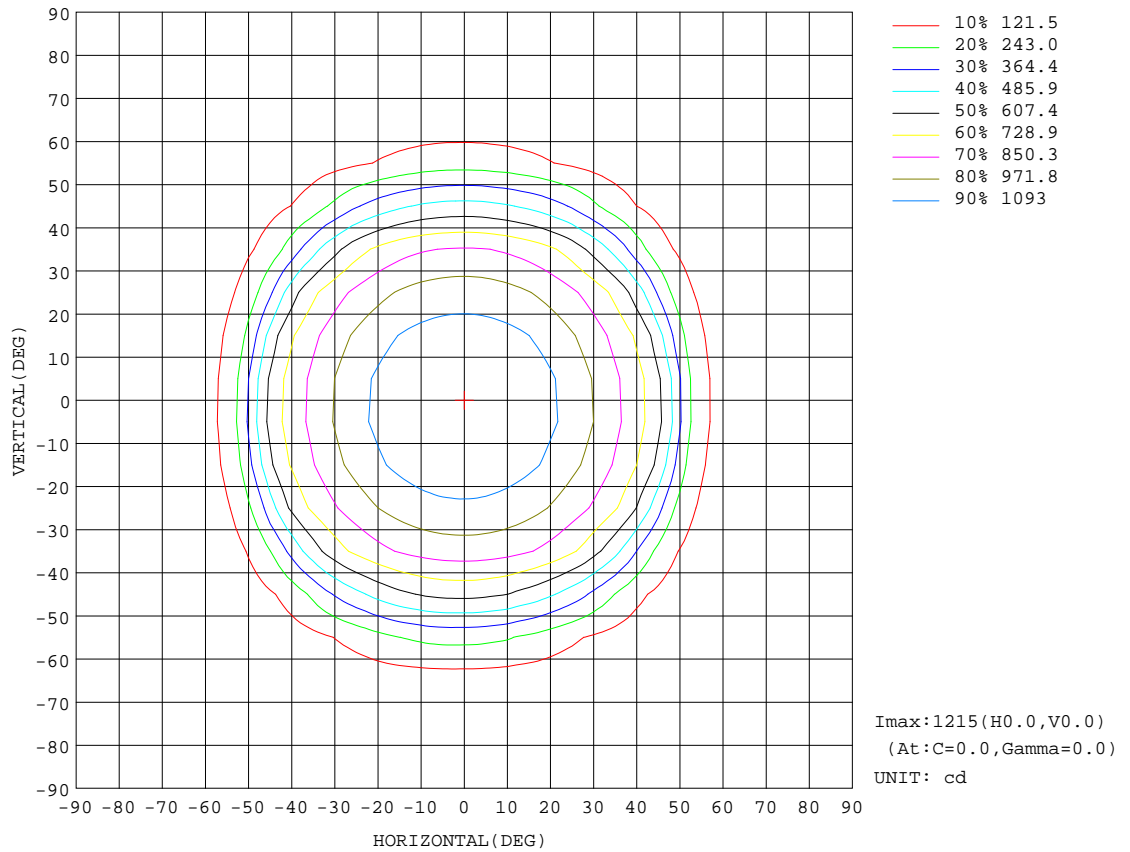
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	70	61	55	70	61	55	69	60	55	50
0.80	80	71	66	80	71	66	78	70	65	60
1.00	88	80	75	87	79	74	85	80	74	68
1.25	94	87	82	93	86	81	91	85	80	75
1.50	98	91	87	97	91	86	94	89	85	79
2.00	103	97	93	102	96	92	99	94	91	84
2.50	106	100	96	104	99	95	101	97	93	87
3.00	108	103	100	106	102	98	102	99	96	89
4.00	111	107	103	108	105	102	105	102	99	92
5.00	112	109	106	110	107	104	106	103	101	93
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:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

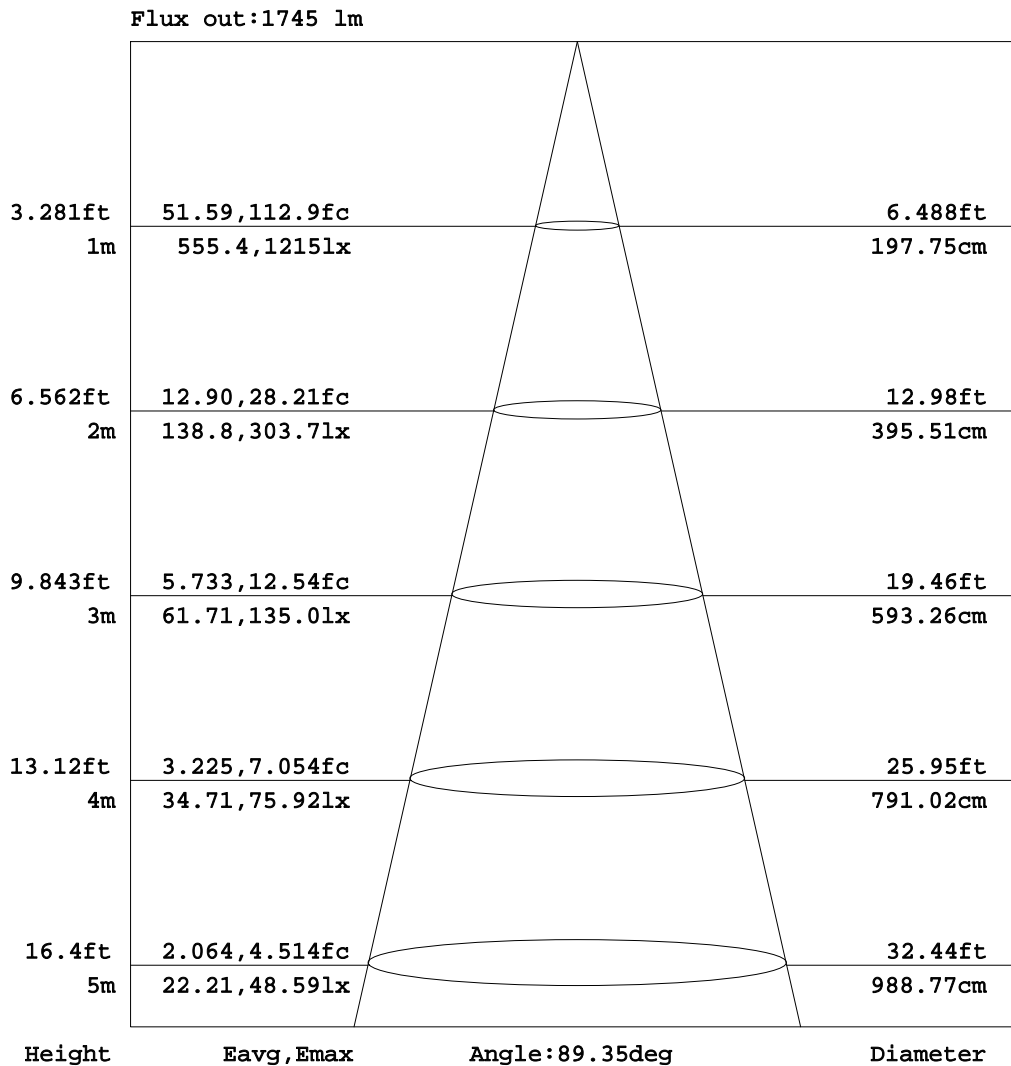


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

AAI Figure

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



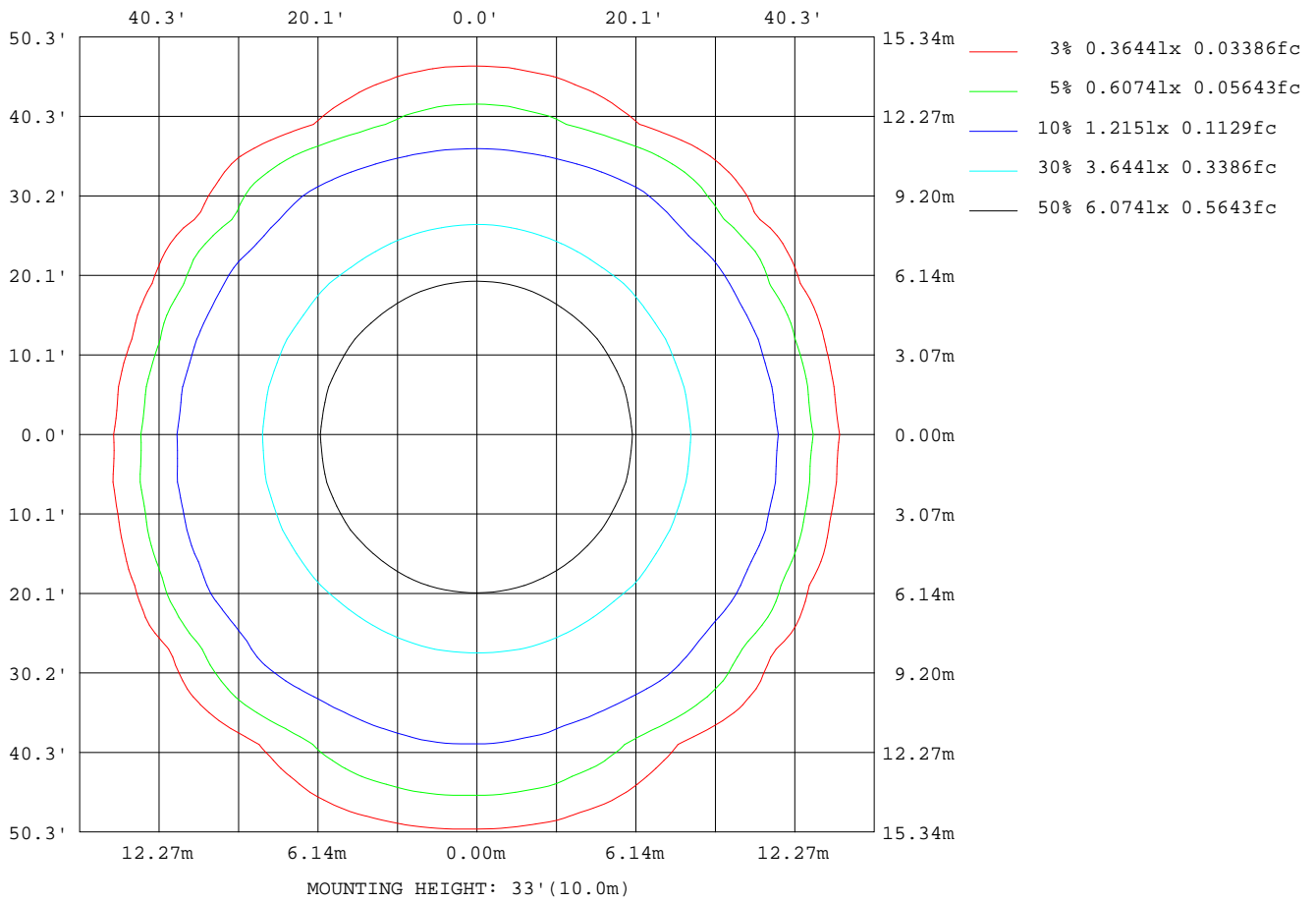
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 9.680m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

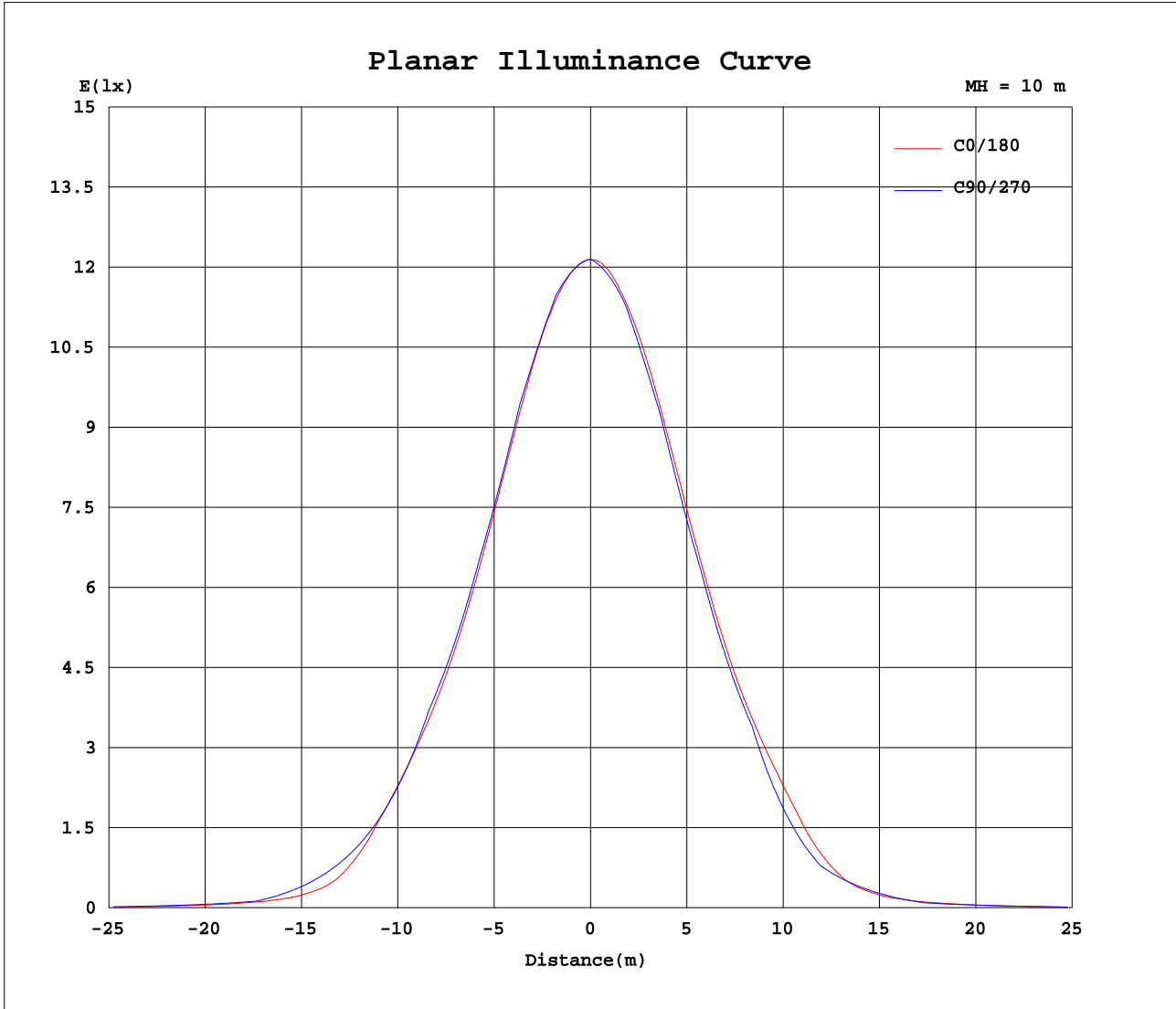
Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

Planar Illuminance Curve



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

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 9.680m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	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	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215
5	1209	1209	1208	1208	1208	1207	1207	1207	1207	1207	1207	1207	1208	1208	1208	1208	1209	1209	1209
10	1195	1194	1193	1192	1192	1192	1192	1193	1193	1194	1195	1197	1198	1199	1200	1201	1202	1203	1203
15	1169	1167	1166	1166	1166	1167	1169	1170	1173	1172	1171	1170	1170	1170	1171	1171	1172	1172	1172
20	1123	1121	1120	1121	1124	1128	1131	1128	1127	1127	1128	1130	1133	1135	1137	1139	1140	1141	1141
25	1060	1057	1056	1057	1062	1063	1061	1062	1065	1069	1074	1075	1074	1074	1073	1072	1072	1072	1072
30	981	977	978	983	985	982	983	987	991	991	992	994	995	997	998	1000	1002	1003	1003
35	887	884	887	894	892	893	898	899	899	903	907	912	911	910	910	912	912	913	913
40	786	781	785	786	787	794	792	795	804	806	799	802	807	812	817	820	821	823	823
45	649	644	653	645	656	645	649	670	646	640	658	676	674	655	644	642	639	641	642
50	401	390	398	406	415	409	420	421	411	426	444	440	425	421	423	433	446	456	460
55	171	167	170	174	182	180	198	189	205	224	219	198	206	232	254	263	275	279	281
60	88.5	88.6	88.6	89.5	90.0	93.1	92.7	98.4	101	95.1	102	110	118	122	121	115	109	104	102
65	47.9	47.4	47.8	48.6	49.2	50.1	50.6	52.6	51.9	52.8	54.0	53.5	56.7	59.0	60.0	60.9	61.3	62.3	62.4
70	19.6	19.7	20.0	20.6	21.3	21.4	23.9	24.9	22.1	26.0	30.1	31.1	30.1	28.6	27.1	25.7	24.3	23.4	23.2
75	15.7	15.5	15.5	15.6	15.8	15.9	16.1	16.1	16.7	16.9	16.3	16.2	16.1	16.2	17.1	17.6	18.1	18.3	18.4
80	12.1	11.9	12.0	12.3	12.5	12.6	12.9	12.8	12.8	12.9	12.9	13.0	13.1	13.3	13.5	13.6	13.7	13.7	13.7
85	6.85	6.66	7.08	7.38	7.49	7.77	8.03	6.70	5.48	4.39	3.43	2.60	1.90	1.31	0.83	0.47	0.21	0.05	0.00
90	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	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	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215
5	1209	1209	1209	1209	1209	1209	1209	1209	1209	1208	1208	1209	1209	1209	1209	1210	1210	1210	1209
10	1203	1203	1203	1202	1202	1201	1200	1199	1198	1196	1195	1194	1193	1193	1193	1193	1193	1194	1192
15	1172	1172	1173	1173	1174	1173	1174	1176	1177	1177	1174	1171	1169	1168	1167	1167	1168	1170	1166
20	1141	1140	1140	1138	1136	1135	1133	1131	1131	1132	1133	1135	1132	1128	1126	1124	1125	1127	1122
25	1073	1073	1074	1075	1076	1077	1080	1080	1076	1073	1071	1070	1072	1072	1067	1063	1063	1066	1060
30	1004	1004	1003	1003	1002	1000	999	999	1001	1003	999	995	994	997	994	988	986	989	982
35	913	913	913	914	914	914	916	912	908	908	909	908	902	900	902	894	891	893	886
40	822	821	818	815	813	810	806	805	808	806	802	801	803	796	796	795	788	789	781
45	644	647	648	655	665	681	690	680	666	667	687	671	665	670	659	666	648	648	633
50	465	465	458	457	451	453	468	484	485	456	458	466	440	433	419	412	396	391	373
55	285	288	285	282	267	241	229	250	254	240	215	226	211	203	191	183	177	173	167
60	105	113	122	132	137	134	128	115	103	111	108	99.3	100	95.9	94.2	92.0	90.3	89.2	88.4
65	63.1	63.5	63.4	63.9	62.7	61.8	59.9	60.6	59.4	58.1	57.9	56.6	55.1	54.1	53.9	53.0	51.5	50.0	49.2
70	23.7	24.9	26.7	28.8	30.7	32.5	33.5	33.2	30.9	25.4	27.6	27.9	23.7	23.6	22.6	21.4	20.8	20.3	20.3
75	18.5	18.4	18.2	17.9	17.4	16.7	16.4	16.6	17.7	17.6	16.7	16.5	16.5	16.3	16.2	16.1	16.0	16.0	16.2
80	13.7	13.8	13.8	13.8	13.7	13.6	13.5	13.4	13.4	13.4	13.5	13.6	13.5	13.4	13.2	13.0	12.7	12.6	12.9
85	0.05	0.21	0.47	0.85	1.34	1.96	2.72	3.62	4.67	5.90	7.36	9.07	8.96	8.80	8.74	8.21	7.71	7.47	8.34
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00

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

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	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	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215
5	1208	1207	1206	1205	1204	1203	1203	1202	1202	1202	1201	1201	1201	1201	1201	1201	1201	1201	1201
10	1190	1188	1187	1186	1185	1185	1185	1185	1185	1185	1186	1185	1186	1186	1186	1187	1187	1188	1187
15	1163	1161	1159	1159	1159	1159	1161	1159	1156	1153	1152	1151	1150	1150	1150	1149	1149	1149	1149
20	1118	1117	1116	1117	1118	1113	1110	1108	1108	1107	1108	1108	1110	1111	1112	1112	1111	1111	1109
25	1057	1057	1059	1057	1052	1049	1047	1048	1050	1048	1046	1044	1041	1040	1039	1038	1038	1038	1038
30	980	981	981	975	973	973	975	969	965	963	964	964	964	963	964	964	964	964	963
35	884	887	881	878	880	876	873	872	873	876	870	867	865	862	860	860	860	860	860
40	781	776	772	775	763	758	762	758	746	743	746	749	753	755	754	755	756	755	752
45	638	619	620	603	597	610	583	564	571	590	591	573	556	544	534	530	528	529	531
50	370	358	358	348	354	354	331	335	356	365	347	328	314	304	302	303	300	301	298
55	164	160	163	161	167	156	160	172	175	151	149	160	171	180	186	189	188	188	183
60	87.8	86.7	87.3	87.4	85.8	87.7	88.5	84.1	84.5	87.1	90.2	91.1	90.1	86.7	83.0	78.7	76.5	77.6	80.3
65	48.0	47.4	46.2	46.9	45.6	46.5	47.9	45.7	44.0	44.3	47.7	48.8	49.2	49.0	49.3	48.6	48.1	48.0	47.7
70	20.5	21.0	21.6	21.2	22.9	24.1	21.0	23.3	25.9	28.0	28.0	26.6	24.7	22.8	21.2	20.1	19.7	20.1	21.1
75	16.5	16.8	17.0	17.2	17.2	17.2	17.3	17.7	17.3	17.1	17.0	16.9	16.8	16.7	16.6	16.6	16.5	16.5	16.5
80	13.3	13.6	13.7	13.8	13.8	13.6	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.3	13.2
85	8.76	8.84	8.67	8.63	8.61	7.01	5.65	4.49	3.48	2.63	1.91	1.31	0.83	0.46	0.20	0.05	0.00	0.05	0.20
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:122.1V I:0.1807A P:21.78W PF:0.9875 Lamp Flux:2213.87x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG)\ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215				
5	1201	1201	1201	1201	1202	1202	1202	1203	1203	1204	1205	1205	1206	1207	1208				
10	1187	1187	1187	1187	1187	1186	1186	1186	1186	1187	1187	1188	1190	1191	1193				
15	1150	1150	1151	1152	1154	1157	1161	1163	1162	1161	1160	1161	1161	1163	1165				
20	1108	1107	1105	1105	1104	1105	1107	1109	1113	1118	1117	1115	1114	1115	1118				
25	1038	1037	1038	1040	1042	1043	1042	1042	1043	1045	1049	1051	1049	1050	1054				
30	962	961	959	958	957	959	961	966	964	963	965	970	971	970	973				
35	859	860	861	865	870	867	865	866	869	873	870	872	878	876	879				
40	748	746	744	741	737	741	752	756	753	754	765	763	768	774	776				
45	539	551	569	585	587	562	559	578	604	589	599	620	619	635	633				
50	303	312	325	344	356	352	326	337	351	353	348	364	366	373	380				
55	178	170	159	147	149	170	173	161	155	164	157	163	163	163	164				
60	84.4	87.9	88.7	86.7	83.0	79.0	78.5	83.5	82.6	81.8	84.1	84.0	85.1	86.2	86.9				
65	47.8	47.4	46.4	44.0	39.7	39.2	41.6	43.9	42.0	41.3	43.5	42.9	44.1	45.9	46.7				
70	22.6	24.3	25.8	26.5	25.9	23.5	21.4	19.4	22.6	21.1	20.0	20.2	20.0	19.6	19.5				
75	16.5	16.5	16.5	16.6	16.7	16.9	17.0	16.7	16.6	16.7	16.7	16.5	16.3	16.1	15.8				
80	13.1	13.0	12.9	12.8	12.7	12.7	12.7	12.7	12.8	13.1	13.0	13.0	12.9	12.7	12.3				
85	0.45	0.80	1.26	1.81	2.47	3.24	4.13	5.13	6.26	7.52	7.51	7.56	7.78	7.77	7.49				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

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

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks: