

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	533.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	360.0V x 107.8H
	At 50% of I _{max}	347.9V x 91.7H
	At 90% of I _{max}	319.6V x 57.0H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of I _{max}	901.4 lumens per klm.
	To 50% of I _{max}	785.4 lumens per klm.
	To 90% of I _{max}	133.0 lumens per klm.

Upward LOR	98.8 %
Downward LOR	1.2 %

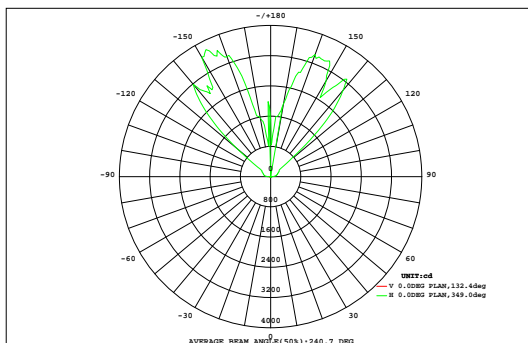
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:YangWenPeng
Test Date:2017-09-25

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:12.380m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: post top light	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:127.4lm/W	
MODEL	TP890-W060	Imax(cd)	4157
NOMINAL POWER(W)	61.2	AVAILABILITY(%)	90.2
RATED VOLTAGE(V)	234	Avai. FLUX(lm)	7030
NOMINAL FLUX(lm)	7796.88	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	7797
TEST VOLTAGE(V)	234.8	θ @50%(H,V)	92,348DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.10	0.23	0.28	0.28	0.27	0.27	0.26	0.26	0.24	0.24	0.24	0.22	0.18	0.14	0.12	0.11	0.06	0.02	3.51	0.00
90	0.07	0.08	0.11	0.13	0.15	0.19	0.23	0.26	0.28	0.29	0.29	0.27	0.22	0.17	0.14	0.11	0.06	0.02	3.10	0.00
80	0.04	0.06	0.11	0.16	0.19	0.25	0.30	0.35	0.38	0.40	0.38	0.34	0.28	0.21	0.17	0.12	0.07	0.02	3.84	0.00
70	0.03	0.06	0.12	0.18	0.25	0.32	0.41	0.48	0.53	0.54	0.50	0.44	0.36	0.28	0.20	0.14	0.07	0.02	4.93	0.00
60	0.03	0.07	0.13	0.22	0.31	0.42	0.52	0.59	0.64	0.64	0.59	0.53	0.45	0.34	0.24	0.15	0.07	0.02	5.95	0.00
50	0.02	0.07	0.14	0.25	0.37	0.49	0.59	0.68	0.74	0.73	0.66	0.59	0.50	0.40	0.28	0.16	0.08	0.02	6.78	0.00
40	0.02	0.07	0.15	0.28	0.42	0.55	0.67	0.70	0.70	0.69	0.66	0.63	0.54	0.44	0.30	0.17	0.08	0.02	7.10	0.00
30	0.02	0.07	0.16	0.29	0.45	0.58	0.70	0.64	0.55	0.52	0.53	0.61	0.58	0.45	0.31	0.18	0.08	0.02	6.73	0.00
20	0.02	0.07	0.16	0.30	0.47	0.60	0.72	0.62	0.55	0.52	0.52	0.62	0.61	0.45	0.31	0.18	0.08	0.02	6.84	0.00
10	0.02	0.07	0.16	0.30	0.46	0.59	0.71	0.60	0.55	0.55	0.55	0.64	0.62	0.45	0.31	0.18	0.08	0.02	6.87	0.00
0	0.02	0.07	0.16	0.28	0.43	0.55	0.68	0.64	0.59	0.57	0.58	0.65	0.59	0.44	0.30	0.17	0.08	0.02	6.82	0.00
-10	0.02	0.07	0.15	0.26	0.39	0.51	0.64	0.70	0.72	0.73	0.69	0.66	0.54	0.41	0.28	0.16	0.08	0.02	7.03	0.00
-20	0.02	0.07	0.14	0.23	0.33	0.45	0.55	0.63	0.69	0.69	0.64	0.58	0.48	0.37	0.25	0.15	0.07	0.02	6.36	0.00
-30	0.03	0.06	0.13	0.19	0.27	0.35	0.46	0.54	0.60	0.61	0.57	0.50	0.41	0.31	0.22	0.14	0.07	0.02	5.46	0.00
-40	0.03	0.06	0.11	0.16	0.20	0.26	0.35	0.41	0.46	0.47	0.45	0.39	0.31	0.24	0.18	0.12	0.07	0.02	4.29	0.00
-50	0.04	0.06	0.10	0.13	0.14	0.19	0.26	0.30	0.33	0.34	0.33	0.29	0.23	0.18	0.14	0.11	0.06	0.02	3.25	0.00
-60	0.06	0.07	0.10	0.11	0.11	0.15	0.20	0.22	0.23	0.24	0.24	0.22	0.17	0.13	0.12	0.10	0.06	0.02	2.56	0.00
-70	0.10	0.23	0.30	0.40	0.48	0.50	0.51	0.48	0.42	0.36	0.31	0.25	0.17	0.11	0.11	0.09	0.05	0.02	4.88	0.00
-80	0.10	0.23	0.30	0.40	0.48	0.50	0.51	0.48	0.42	0.36	0.31	0.25	0.17	0.11	0.11	0.09	0.05	0.02	4.88	0.00
-90	0.10	0.23	0.30	0.40	0.48	0.50	0.51	0.48	0.42	0.36	0.31	0.25	0.17	0.11	0.11	0.09	0.05	0.02	4.88	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	0.71	1.55	2.72	4.15	5.69	7.22	8.75	9.11	9.20	9.12	8.73	8.46	7.24	5.52	3.99	2.53	1.29	0.34	96	---
Φ a	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

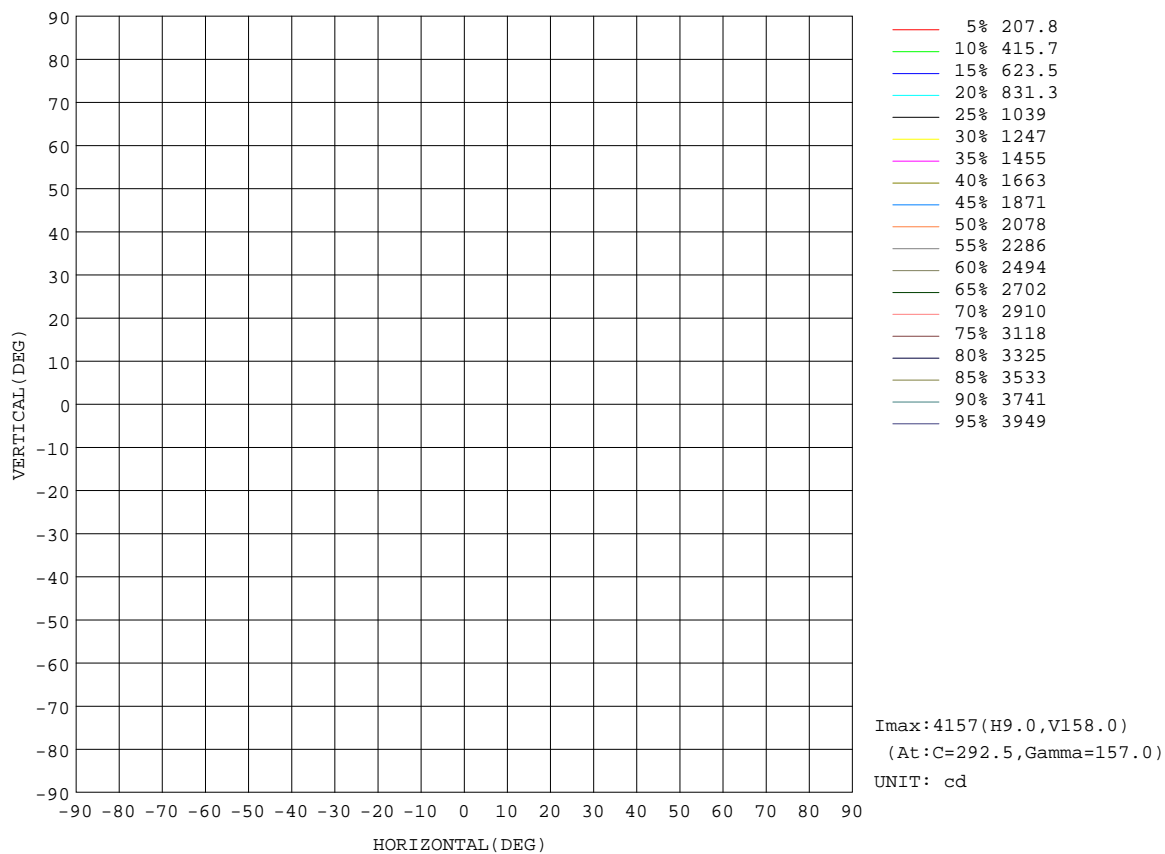
one-half-peak spread: U:3.1,D:4.0 , L:13.7,R:14.NEMA Beam Type: Type 6 x 7 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:YangWenPeng
Test Date:2017-09-25

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:12.380m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: post top light	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

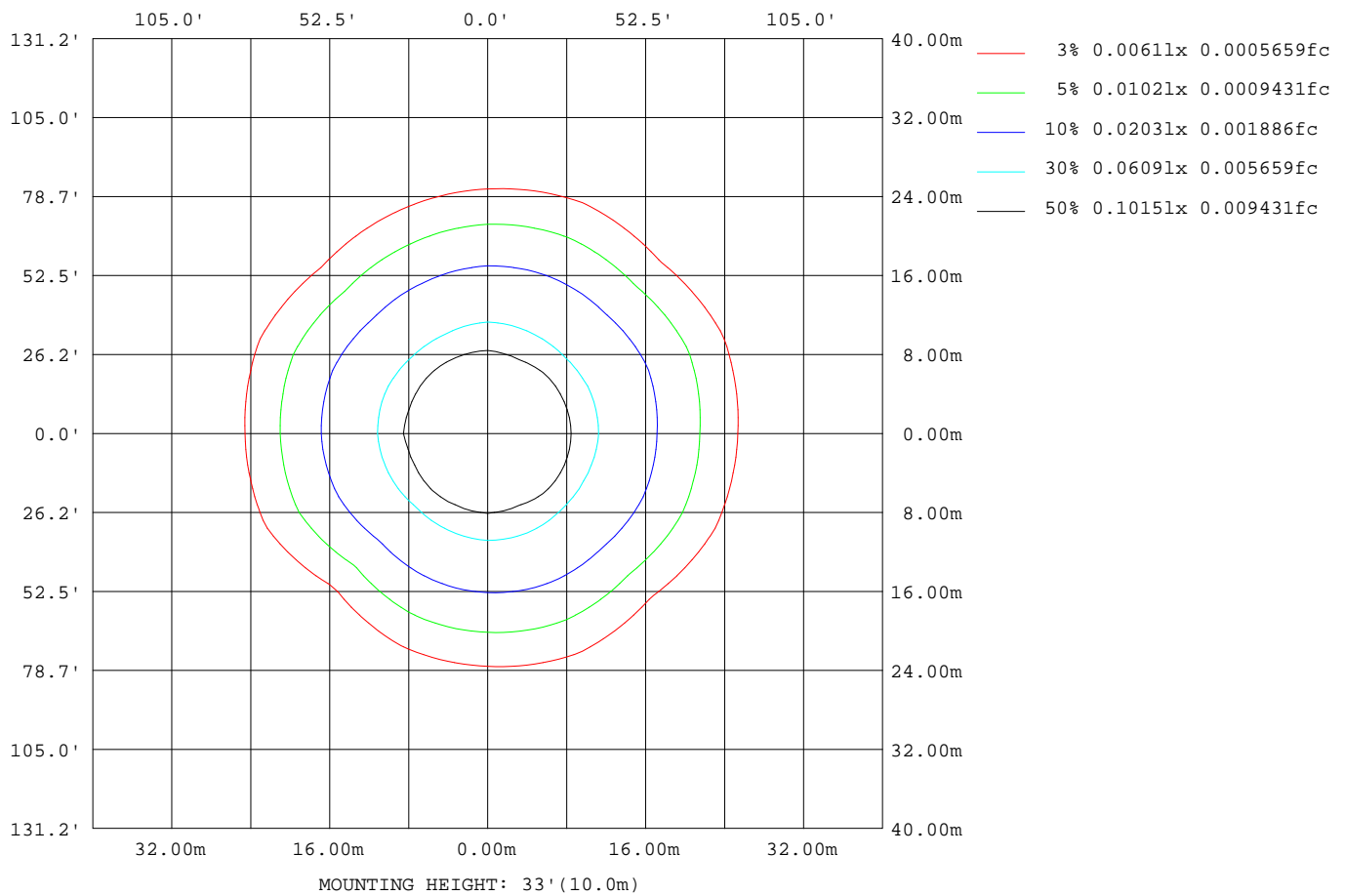


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Temperature:25.0DEG
Operators:YangWenPeng
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V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:12.380m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: post top light	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

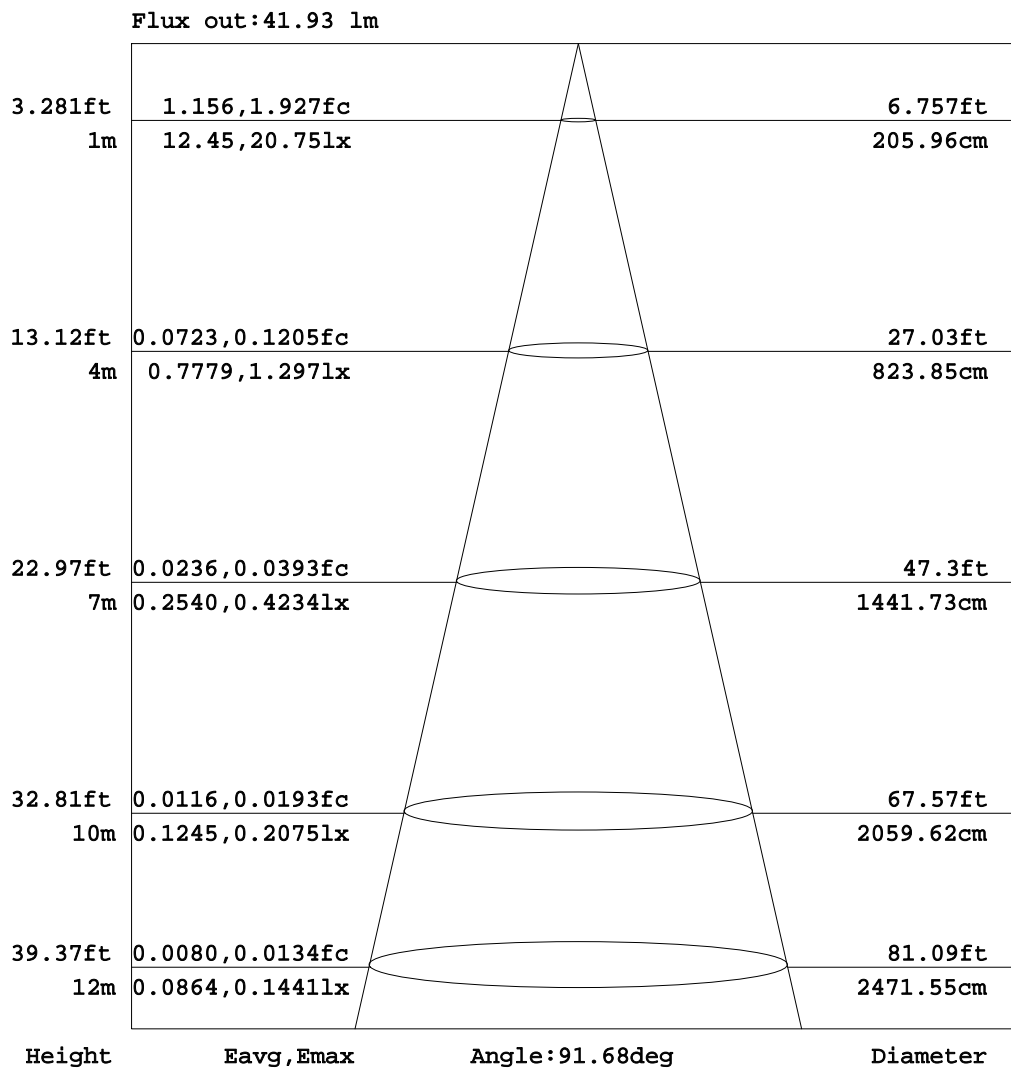


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:YangWenPeng
Test Date:2017-09-25

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:12.380m [K=1.0000]
Remarks:

AAI Figure

NAME: post top light	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

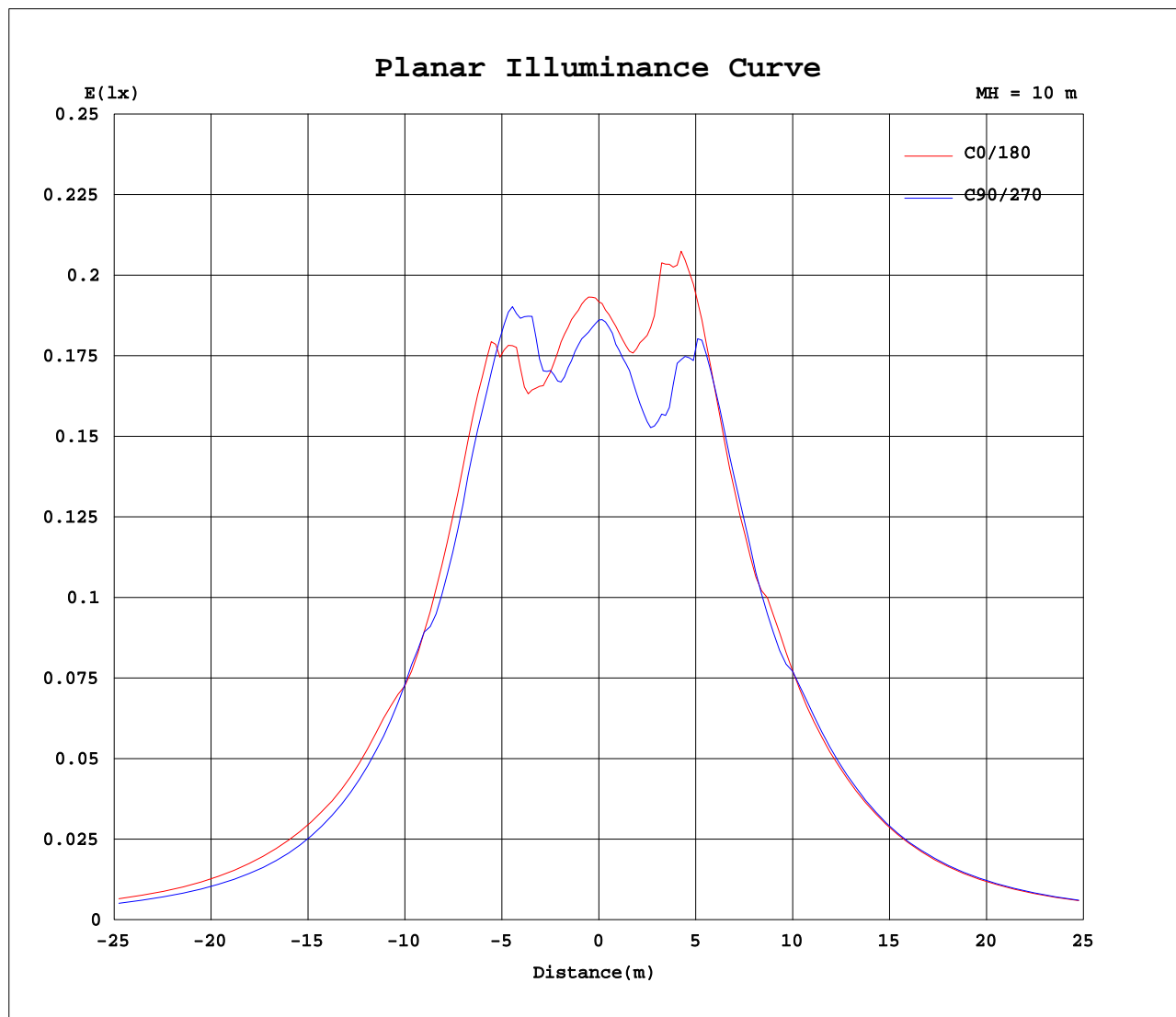


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: YangWenPeng
Test Date: 2017-09-25

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity: 65.0%
Test Distance: 12.380m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:YangWenPeng
Test Date:2017-09-25

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:12.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: post top light	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

H(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
V(°)	-180	-170	-160	-150	-140	-130	-120	-110	-100	-90	-80	-70	-60	-50	-40	-30	-20	-10	0
-180	43.0	103	139	196	256	339	427	1495	2729	3282	3105	3069	2748	2742	2174	2002	925	406	1497
-170	43.0	102	137	191	245	319	390	1141	2404	3171	3397	3507	3481	3610	3646	2959	2351	1964	1569
-160	43.0	99.2	132	182	229	288	345	598	1676	2694	3329	3675	3653	3798	3777	3676	3307	3213	3375
-150	43.0	95.3	125	170	209	252	298	338	659	1672	2579	3086	3318	3560	3252	3455	3693	3638	3650
-140	43.0	89.8	117	154	186	218	248	280	313	440	1080	1896	2424	2718	2869	3057	3062	3122	3190
-130	43.0	82.2	109	133	161	186	208	232	260	279	295	322	457	670	849	1038	1185	1242	1207
-120	43.0	73.0	98.3	114	134	151	172	191	207	221	235	245	250	254	255	261	265	268	270
-110	43.0	62.8	82.2	96.2	107	122	136	149	160	171	181	189	194	198	200	203	205	207	208
-100	43.0	52.8	62.3	71.0	78.0	86.1	97.0	107	116	124	131	138	144	150	155	158	160	162	163
-90	43.0	43.2	43.3	43.5	43.7	45.2	48.1	51.0	53.9	56.8	58.0	59.2	60.3	61.5	61.5	60.3	59.2	58.1	56.9
-80	43.0	33.7	24.3	14.9	8.85	7.84	6.60	5.79	5.01	4.30	4.79	5.39	6.00	6.58	6.84	6.71	6.59	6.47	6.33
-70	43.0	24.3	9.56	7.03	7.62	7.81	7.26	6.71	6.15	5.64	5.91	6.64	7.33	7.99	8.53	8.71	8.87	8.99	9.08
-60	43.0	16.3	6.65	7.42	8.06	8.54	8.37	8.19	7.99	7.88	7.94	8.92	9.91	10.8	11.6	12.1	12.4	12.8	13.0
-50	43.0	10.7	6.83	7.82	8.58	9.32	9.90	10.1	10.4	10.7	11.2	12.1	13.4	14.5	15.4	16.3	17.1	17.6	18.0
-40	43.0	8.25	7.13	8.25	9.14	10.2	11.2	12.2	13.0	13.9	15.0	16.2	17.4	18.6	19.4	19.6	20.4	20.9	21.1
-30	43.0	7.10	7.33	8.57	9.69	11.0	12.5	14.0	15.4	16.8	18.3	19.5	20.3	21.6	22.7	23.2	23.5	24.4	25.2
-20	43.0	6.56	7.50	8.84	10.1	11.7	13.5	15.5	17.3	19.1	20.6	21.1	22.9	24.5	25.0	23.1	22.1	21.9	22.6
-10	43.0	6.18	7.61	9.00	10.5	12.3	14.4	16.7	18.8	20.8	21.9	23.0	24.8	25.4	23.6	20.4	19.0	17.9	17.6
0	43.0	6.01	7.61	9.05	10.6	12.6	14.9	17.4	19.6	21.8	22.7	24.2	26.4	27.0	24.5	20.4	18.4	18.6	19.2
10	43.0	6.21	7.67	9.10	10.6	12.5	14.8	17.1	19.4	21.5	22.6	23.5	25.2	26.3	24.3	21.1	18.9	17.4	17.5
20	43.0	6.62	7.63	9.03	10.4	12.1	14.1	16.3	18.4	20.4	22.1	22.3	24.0	25.2	24.4	22.9	20.7	19.6	19.2
30	43.0	7.21	7.52	8.85	10.1	11.5	13.2	15.1	16.8	18.6	20.0	21.1	21.9	23.2	24.3	24.6	24.5	25.3	26.2
40	43.0	8.46	7.36	8.62	9.66	10.7	12.0	13.4	14.6	15.8	17.2	18.5	19.5	20.1	20.6	21.2	21.9	22.3	22.5
50	43.0	11.2	7.09	8.25	9.17	10.1	10.8	11.3	12.1	12.9	13.7	14.7	15.9	16.8	17.7	18.4	19.2	19.8	20.2
60	43.0	16.7	6.94	7.88	8.71	9.40	9.53	9.63	9.79	10.0	10.4	11.3	12.0	12.7	13.4	14.0	14.5	15.0	15.3
70	43.0	24.3	10.5	7.50	8.26	8.68	8.43	8.25	8.09	7.95	8.20	8.63	9.07	9.50	9.83	10.2	10.5	10.7	10.9
80	43.0	33.3	24.3	16.3	10.9	8.43	7.49	7.03	6.58	6.14	6.52	6.96	7.37	7.75	8.01	8.12	8.23	8.33	8.41
90	43.0	42.7	42.5	42.2	42.0	41.4	40.5	39.7	38.8	37.9	35.9	33.9	31.8	29.8	26.7	22.5	18.3	14.1	9.93
100	43.0	52.5	61.7	70.7	78.5	85.8	94.1	101	106	111	114	117	121	124	127	128	129	129	128
110	43.0	62.5	82.5	98.2	109	122	132	142	152	160	169	178	184	188	191	191	191	190	188
120	43.0	72.8	99.5	116	134	151	170	187	201	213	222	231	237	240	245	249	248	247	245
130	43.0	82.3	110	133	161	187	209	230	254	273	285	295	314	400	426	523	633	645	544
140	43.0	89.9	118	154	187	219	249	283	316	404	857	1550	2161	2570	2797	3056	3130	3094	2983
150	43.0	95.5	125	170	210	252	301	345	662	1748	2586	3143	3304	3430	3559	3406	3182	3122	2945
160	43.0	99.4	132	183	229	289	349	603	1801	2827	3552	3857	3776	4001	3862	3552	3652	3517	3441
170	43.0	102	137	192	246	319	392	1153	2474	3253	3524	3500	3756	3730	3227	2504	2208	2081	1957
180	43.0	103	139	196	256	339	427	1495	2729	3282	3105	3069	2748	2742	2174	2002	925	406	1499

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:YangWenPeng
Test Date:2017-09-25

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:12.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: post top light	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

H(°) \ V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	1457	1962	2321	2541	2948	3596	3755	3344	2565	1387	432	333	274	216	162	115	52.7	5.12	
-170	1879	2585	3187	3701	3703	3568	3691	3200	2357	1178	396	322	266	212	158	114	52.2	5.12	
-160	3454	3664	3722	3765	3661	3582	3303	2699	1747	704	348	301	249	202	147	110	49.8	5.12	
-150	3653	3697	3619	3286	3229	3099	2516	1676	776	359	313	270	228	186	137	103	45.6	5.12	
-140	3062	2921	2857	2629	2206	1600	921	445	335	306	269	235	203	164	127	91.4	39.9	5.12	
-130	1139	976	749	492	358	324	315	303	282	256	230	202	169	139	113	74.7	33.0	5.12	
-120	270	268	265	262	259	256	252	245	229	209	185	159	137	115	90.1	57.2	24.6	5.12	
-110	209	208	207	204	201	197	190	179	166	150	136	119	102	83.2	61.3	38.8	15.5	5.12	
-100	159	153	147	141	134	127	120	112	103	91.5	79.9	68.1	56.9	45.2	32.2	18.7	7.53	5.12	
-90	51.6	46.2	40.9	35.6	30.2	24.9	19.5	14.1	8.78	8.45	8.11	7.77	7.44	7.03	6.55	6.07	5.59	5.12	
-80	6.64	6.93	7.22	7.49	7.31	6.78	6.23	5.65	5.14	5.76	6.35	6.93	7.52	7.58	7.19	6.67	5.96	5.12	
-70	9.27	9.42	9.53	9.60	9.22	8.63	7.99	7.28	6.90	7.17	7.46	7.85	8.26	8.10	7.66	7.08	6.34	5.12	
-60	13.1	13.1	13.0	12.8	12.3	11.6	10.7	9.84	9.46	9.31	9.16	9.10	9.08	8.67	8.15	7.45	6.59	5.12	
-50	18.0	17.8	17.5	17.0	16.4	15.6	14.5	13.5	12.7	11.9	11.2	10.7	10.0	9.33	8.63	7.79	6.76	5.12	
-40	20.8	20.4	19.7	20.0	19.7	18.8	18.1	17.2	15.9	14.6	13.4	12.2	11.0	10.00	9.10	8.11	6.89	5.12	
-30	24.9	24.3	23.8	23.4	22.8	21.6	20.2	19.4	18.6	17.1	15.3	13.5	12.0	10.6	9.55	8.38	7.02	5.12	
-20	21.7	21.4	21.9	22.0	24.6	24.4	22.7	20.7	19.9	18.6	16.7	14.7	12.7	11.2	9.88	8.59	7.11	5.12	
-10	17.6	18.0	18.9	20.1	23.3	25.7	24.5	22.2	20.4	19.6	17.5	15.4	13.3	11.6	10.1	8.73	7.15	5.12	
0	19.3	19.0	18.6	19.7	23.9	26.8	25.6	22.9	20.5	20.0	17.8	15.8	13.5	11.8	10.2	8.79	7.15	5.12	
10	16.4	16.4	17.3	18.7	22.3	24.7	24.0	22.3	20.8	20.0	17.9	15.8	13.6	11.8	10.2	8.81	7.19	5.12	
20	18.6	19.4	19.4	20.9	22.4	23.6	22.6	21.3	20.7	19.5	17.5	15.4	13.3	11.6	10.2	8.75	7.19	5.12	
30	25.4	24.6	23.6	23.5	23.0	22.0	21.0	20.4	19.8	18.4	16.5	14.5	12.7	11.2	9.94	8.61	7.14	5.12	
40	22.0	21.2	20.5	20.4	20.3	19.8	19.1	18.6	17.4	16.2	14.9	13.4	11.9	10.7	9.60	8.41	7.05	5.12	
50	20.0	19.7	19.2	18.7	18.1	17.3	16.3	15.3	14.4	13.5	12.6	11.9	11.1	10.1	9.18	8.15	6.94	5.12	
60	15.3	15.2	15.0	14.7	14.1	13.5	12.6	11.7	11.2	10.9	10.6	10.4	10.2	9.51	8.75	7.85	6.79	5.12	
70	11.1	11.2	11.3	11.3	10.9	10.4	9.76	9.07	8.66	8.80	8.95	9.11	9.33	8.98	8.32	7.52	6.56	5.12	
80	8.59	8.75	8.90	9.03	8.81	8.33	7.82	7.29	6.81	7.25	7.69	8.14	8.64	8.51	7.87	7.13	6.21	5.12	
90	9.57	9.20	8.83	8.47	7.93	7.24	6.54	5.84	5.14	5.99	6.84	7.70	8.55	8.55	7.69	6.83	5.97	5.12	
100	126	123	119	115	109	101	92.3	82.0	71.3	67.4	63.6	59.6	55.1	45.9	33.1	20.1	8.57	5.12	
110	190	191	192	191	185	175	162	149	138	129	120	108	96.6	81.2	61.2	39.1	16.2	5.12	
120	247	246	242	240	236	230	221	209	194	179	161	144	128	110	88.3	57.2	24.9	5.12	
130	486	382	316	301	297	291	280	266	246	225	203	181	156	132	109	74.0	33.2	5.12	
140	3004	2911	2651	2275	1750	1078	541	371	300	272	239	213	188	156	123	90.4	40.0	5.12	
150	3254	3393	3201	3280	3191	3020	2407	1628	764	329	284	249	215	178	134	102	45.7	5.12	
160	3741	3991	3856	3961	3627	3634	3365	2816	1924	712	329	285	238	195	145	110	49.8	5.12	
170	2757	3240	3182	3409	3524	3645	3719	3250	2425	1231	388	313	260	208	157	113	52.2	5.12	
180	1457	1962	2321	2541	2948	3596	3755	3344	2565	1387	432	333	274	216	162	115	52.7	5.12	

H(β) Range:-90 - 90DEGH(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.0DEG

Operators:YangWenPeng

Test Date:2017-09-25

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274

Humidity:65.0%

Test Distance:12.380m [K=1.0000]

Remarks: