

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 %

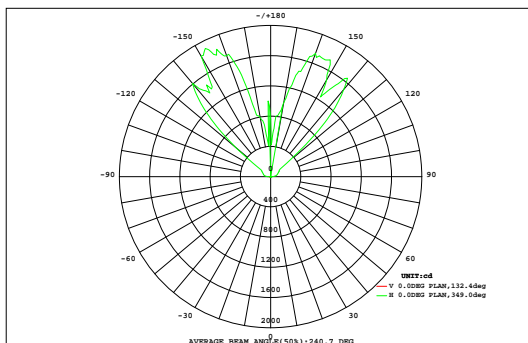
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:YangWenPeng
Test Date:2017-09-25

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:128.54lm/W	
MODEL	TP890-W030	Imax(cd)	2097
NOMINAL POWER(W)	30.6	AVAILABILITY(%)	90.2
RATED VOLTAGE(V)	234	Avai. FLUX(lm)	3547
NOMINAL FLUX(lm)	3933.32	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3933
TEST VOLTAGE(V)	234.8	θ @50%(H,V)	92,348DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.05	0.11	0.14	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.09	0.07	0.06	0.05	0.03	0.01	1.77	0.00
90	0.03	0.04	0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.15	0.15	0.14	0.11	0.09	0.07	0.06	0.03	0.01	1.56	0.00
80	0.02	0.03	0.06	0.08	0.10	0.12	0.15	0.18	0.19	0.20	0.19	0.17	0.14	0.11	0.09	0.06	0.03	0.01	1.94	0.00
70	0.02	0.03	0.06	0.09	0.12	0.16	0.21	0.24	0.27	0.27	0.25	0.22	0.18	0.14	0.10	0.07	0.04	0.01	2.49	0.00
60	0.01	0.03	0.07	0.11	0.16	0.21	0.26	0.30	0.32	0.32	0.30	0.27	0.22	0.17	0.12	0.08	0.04	0.01	3.00	0.00
50	0.01	0.04	0.07	0.13	0.19	0.25	0.30	0.34	0.37	0.37	0.33	0.30	0.25	0.20	0.14	0.08	0.04	0.01	3.42	0.00
40	0.01	0.04	0.08	0.14	0.21	0.28	0.34	0.35	0.35	0.35	0.33	0.32	0.27	0.22	0.15	0.09	0.04	0.01	3.58	0.00
30	0.01	0.04	0.08	0.15	0.23	0.29	0.35	0.32	0.28	0.26	0.27	0.31	0.29	0.23	0.16	0.09	0.04	0.01	3.40	0.00
20	0.01	0.04	0.08	0.15	0.23	0.30	0.36	0.31	0.28	0.26	0.26	0.32	0.31	0.23	0.16	0.09	0.04	0.01	3.45	0.00
10	0.01	0.04	0.08	0.15	0.23	0.30	0.36	0.30	0.28	0.28	0.28	0.32	0.31	0.23	0.16	0.09	0.04	0.01	3.47	0.00
0	0.01	0.04	0.08	0.14	0.22	0.28	0.34	0.32	0.30	0.29	0.29	0.33	0.30	0.22	0.15	0.09	0.04	0.01	3.44	0.00
-10	0.01	0.04	0.07	0.13	0.20	0.26	0.32	0.35	0.36	0.37	0.35	0.33	0.27	0.21	0.14	0.08	0.04	0.01	3.55	0.00
-20	0.01	0.03	0.07	0.12	0.17	0.22	0.28	0.32	0.35	0.35	0.32	0.29	0.24	0.19	0.13	0.08	0.04	0.01	3.21	0.00
-30	0.01	0.03	0.06	0.10	0.13	0.18	0.23	0.27	0.30	0.31	0.29	0.25	0.21	0.16	0.11	0.07	0.04	0.01	2.76	0.00
-40	0.02	0.03	0.06	0.08	0.10	0.13	0.17	0.21	0.23	0.24	0.23	0.20	0.16	0.12	0.09	0.06	0.03	0.01	2.16	0.00
-50	0.02	0.03	0.05	0.06	0.07	0.10	0.13	0.15	0.17	0.17	0.17	0.15	0.12	0.09	0.07	0.06	0.03	0.01	1.64	0.00
-60	0.03	0.04	0.05	0.05	0.06	0.07	0.10	0.11	0.12	0.12	0.12	0.11	0.09	0.07	0.06	0.05	0.03	0.01	1.29	0.00
-70	0.05	0.11	0.15	0.20	0.24	0.25	0.26	0.24	0.21	0.18	0.16	0.12	0.09	0.06	0.05	0.05	0.03	0.01	2.46	0.00
-80																				
-90																				
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	0.36	0.78	1.37	2.10	2.87	3.64	4.41	4.60	4.64	4.60	4.40	4.27	3.65	2.78	2.01	1.28	0.65	0.17	49	---
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

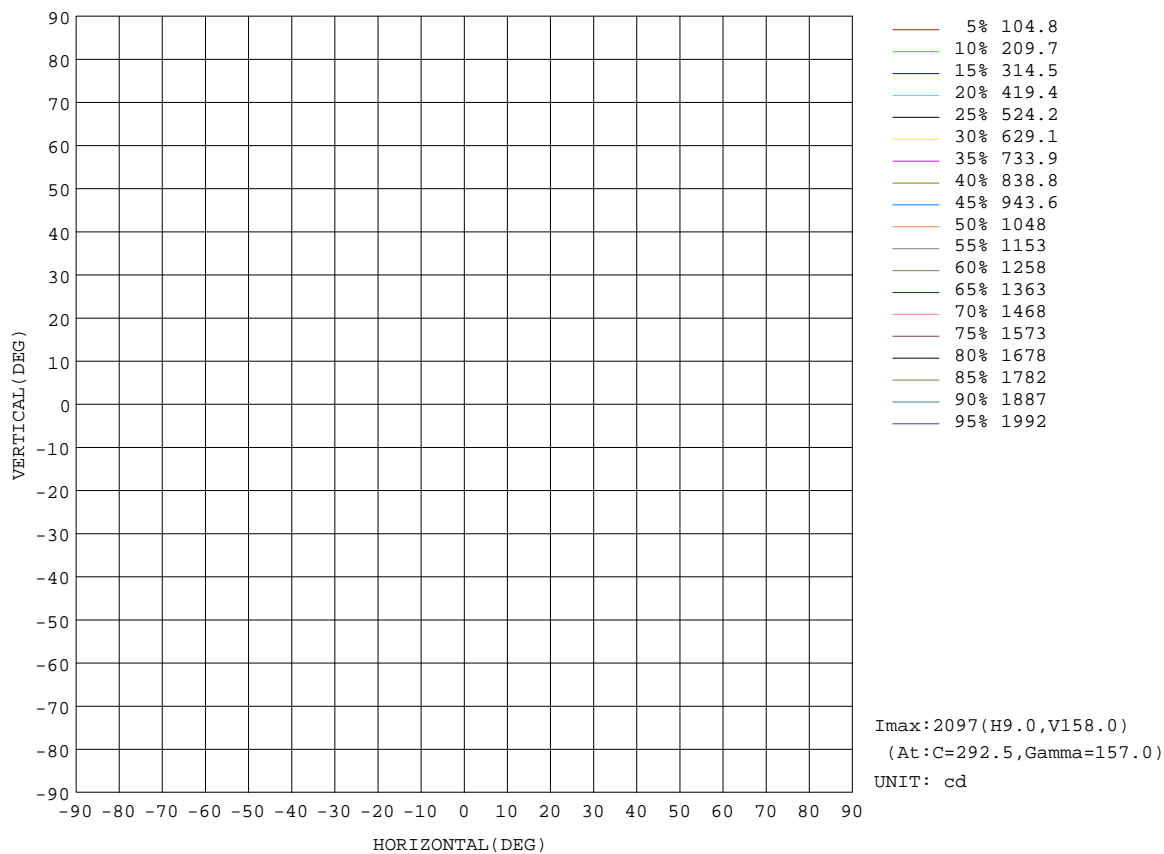
one-half-peak spread: U:3.1,D:4.0 , L:13.7,R:14.NEMA Beam Type: Type 6 x 7 (H x V)

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:

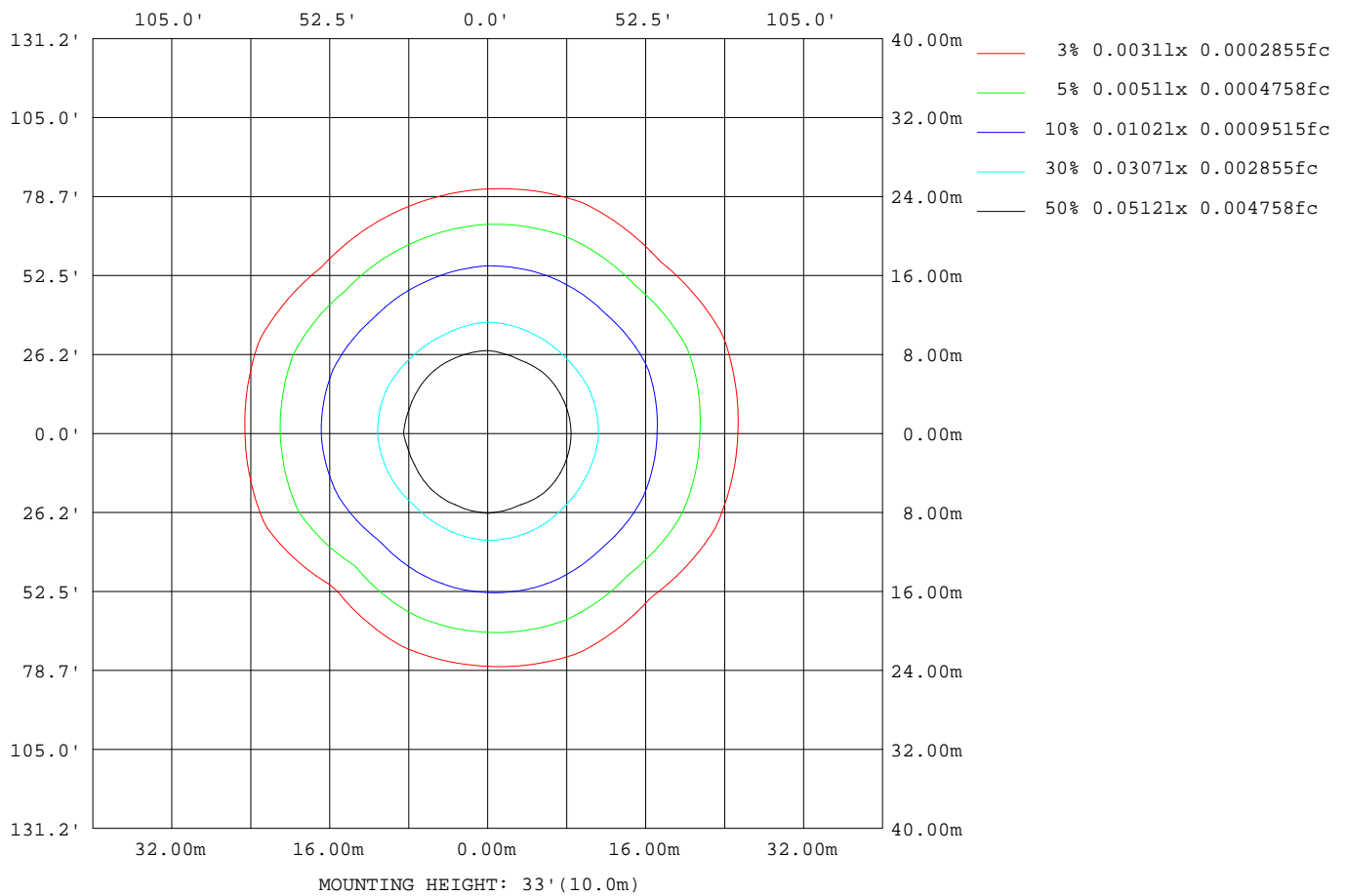


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Temperature:25.0DEG
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V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
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Humidity:65.0%
Test Distance:12.380m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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

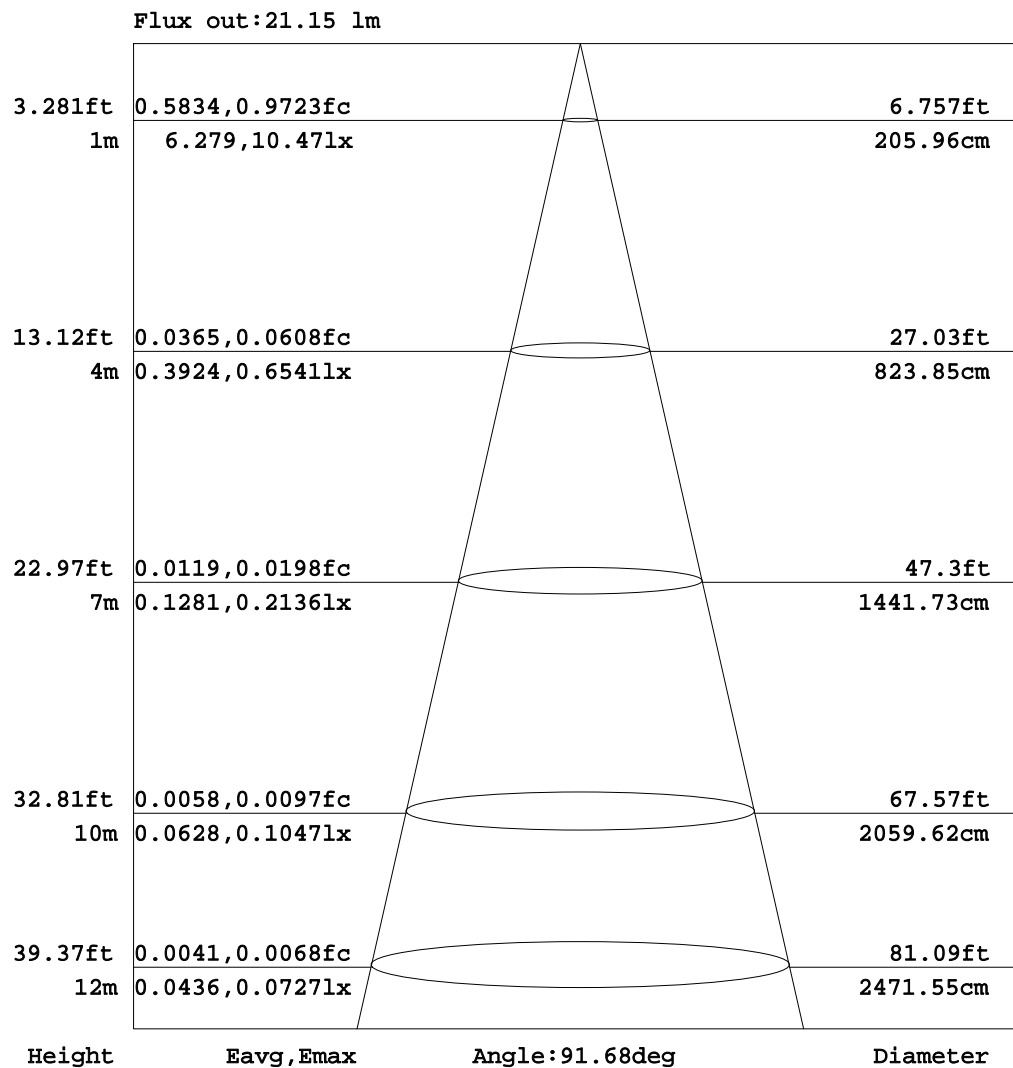


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:YangWenPeng
Test Date:2017-09-25

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:

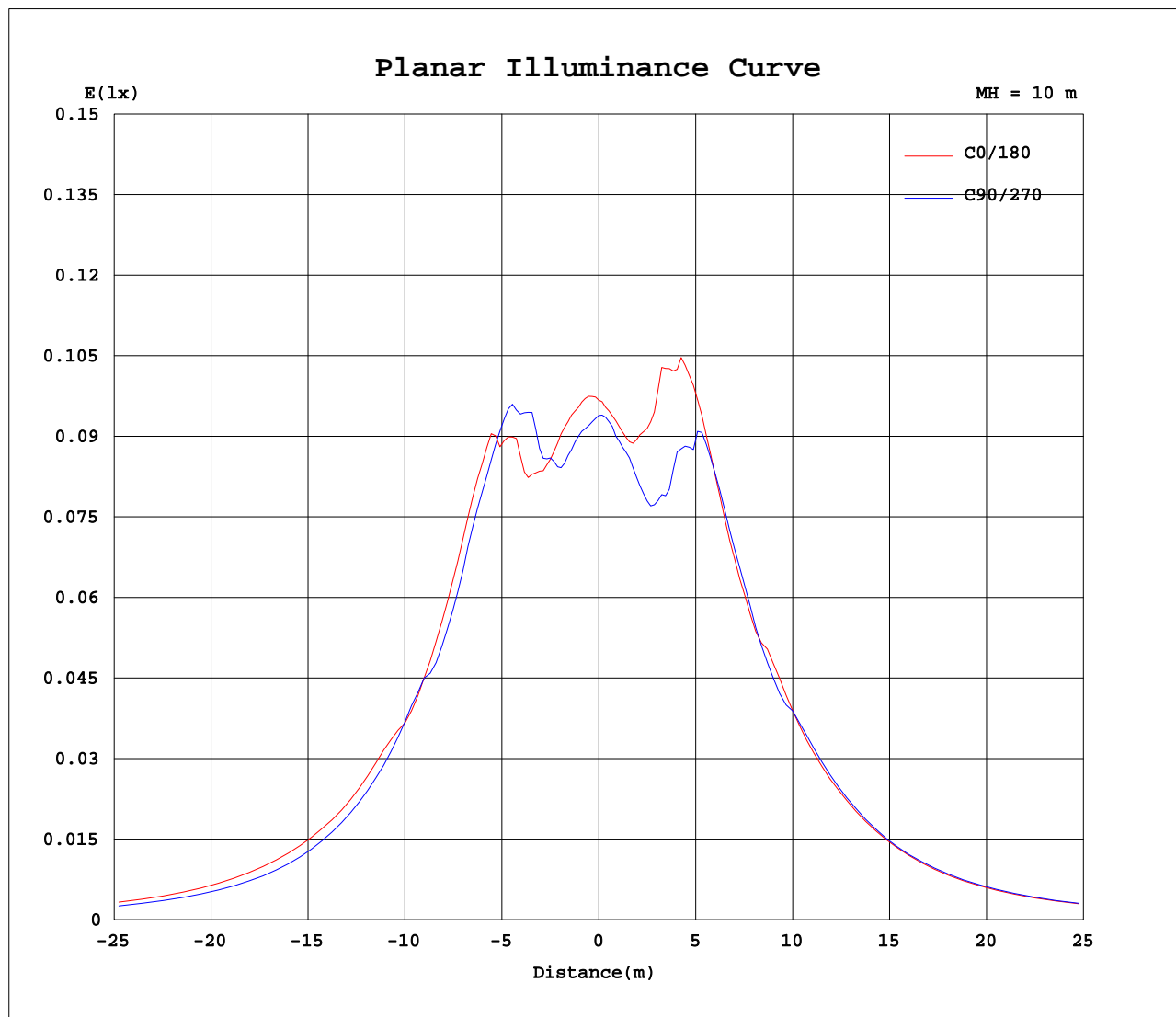


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	21.7	52.0	70.0	98.9	129	171	216	754	1377	1656	1566	1548	1386	1383	1097	1010	466	205	755
-170	21.7	51.4	69.1	96.6	124	161	197	576	1213	1599	1714	1769	1756	1821	1840	1493	1186	991	791
-160	21.7	50.1	66.6	92.0	115	145	174	301	846	1359	1680	1854	1843	1916	1905	1854	1668	1621	1703
-150	21.7	48.1	63.2	85.6	106	127	150	170	332	843	1301	1557	1674	1796	1640	1743	1863	1835	1841
-140	21.7	45.3	59.3	77.8	94.1	110	125	141	158	222	545	957	1223	1371	1447	1542	1545	1575	1609
-130	21.7	41.5	54.8	67.0	81.0	93.9	105	117	131	141	149	162	231	338	428	524	598	627	609
-120	21.7	36.8	49.6	57.7	67.8	76.1	86.7	96.3	104	112	119	123	126	128	129	132	134	135	136
-110	21.7	31.7	41.5	48.5	53.8	61.4	68.6	74.9	80.9	86.4	91.3	95.2	98.0	99.8	101	102	104	105	105
-100	21.7	26.6	31.4	35.8	39.4	43.4	48.9	53.8	58.3	62.5	66.1	69.5	72.8	75.9	78.1	79.5	80.8	81.7	82.4
-90	21.7	21.8	21.9	22.0	22.0	22.8	24.3	25.7	27.2	28.7	29.3	29.8	30.4	31.0	31.0	30.4	29.9	29.3	28.7
-80	21.7	17.0	12.2	7.53	4.47	3.95	3.33	2.92	2.53	2.17	2.41	2.72	3.03	3.32	3.45	3.39	3.33	3.26	3.19
-70	21.7	12.3	4.82	3.55	3.85	3.94	3.66	3.38	3.10	2.85	2.98	3.35	3.70	4.03	4.30	4.40	4.47	4.54	4.58
-60	21.7	8.23	3.35	3.74	4.07	4.31	4.22	4.13	4.03	3.98	4.01	4.50	5.00	5.43	5.83	6.08	6.28	6.43	6.55
-50	21.7	5.40	3.45	3.95	4.33	4.70	4.99	5.08	5.24	5.41	5.64	6.09	6.76	7.32	7.79	8.22	8.61	8.89	9.09
-40	21.7	4.16	3.60	4.16	4.61	5.12	5.67	6.16	6.55	7.00	7.55	8.15	8.79	9.37	9.81	9.90	10.3	10.5	10.7
-30	21.7	3.58	3.70	4.32	4.89	5.54	6.30	7.05	7.77	8.47	9.21	9.83	10.2	10.9	11.5	11.7	11.9	12.3	12.7
-20	21.7	3.31	3.78	4.46	5.11	5.91	6.83	7.80	8.74	9.62	10.4	10.7	11.5	12.4	12.6	11.7	11.2	11.0	11.4
-10	21.7	3.12	3.84	4.54	5.27	6.20	7.29	8.42	9.48	10.5	11.0	11.6	12.5	12.8	11.9	10.3	9.60	9.04	8.90
0	21.7	3.03	3.84	4.57	5.34	6.33	7.53	8.80	9.90	11.0	11.5	12.2	13.3	13.6	12.4	10.3	9.29	9.40	9.67
10	21.7	3.13	3.87	4.59	5.34	6.29	7.44	8.64	9.78	10.8	11.4	11.9	12.7	13.3	12.2	10.6	9.54	8.76	8.81
20	21.7	3.34	3.85	4.56	5.24	6.09	7.12	8.22	9.31	10.3	11.2	11.3	12.1	12.7	12.3	11.6	10.4	9.89	9.66
30	21.7	3.64	3.79	4.46	5.07	5.80	6.66	7.60	8.49	9.37	10.1	10.7	11.1	11.7	12.3	12.4	12.4	12.8	13.2
40	21.7	4.27	3.71	4.35	4.87	5.42	6.07	6.75	7.36	7.99	8.67	9.35	9.82	10.1	10.4	10.7	11.0	11.3	11.4
50	21.7	5.64	3.58	4.16	4.62	5.08	5.44	5.72	6.09	6.49	6.92	7.43	8.01	8.49	8.91	9.30	9.68	9.98	10.2
60	21.7	8.41	3.50	3.97	4.39	4.74	4.81	4.86	4.94	5.05	5.25	5.68	6.07	6.43	6.74	7.06	7.33	7.55	7.71
70	21.7	12.3	5.32	3.78	4.17	4.38	4.25	4.16	4.08	4.01	4.14	4.35	4.57	4.79	4.96	5.12	5.28	5.41	5.51
80	21.7	16.8	12.3	8.24	5.51	4.25	3.78	3.55	3.32	3.10	3.29	3.51	3.72	3.91	4.04	4.10	4.15	4.20	4.24
90	21.7	21.6	21.4	21.3	21.2	20.9	20.5	20.0	19.6	19.1	18.1	17.1	16.1	15.0	13.5	11.3	9.23	7.12	5.01
100	21.7	26.5	31.1	35.7	39.6	43.3	47.5	50.8	53.6	55.7	57.4	59.2	61.0	62.7	63.9	64.5	64.8	64.9	64.6
110	21.7	31.6	41.6	49.5	55.1	61.4	66.8	71.6	76.5	80.9	85.5	89.6	92.8	95.1	96.2	96.5	96.4	95.9	95.1
120	21.7	36.7	50.2	58.4	67.7	76.3	85.9	94.6	102	107	112	116	120	121	124	125	125	125	124
130	21.7	41.5	55.3	67.0	81.2	94.1	106	116	128	138	144	149	158	202	215	264	319	325	274
140	21.7	45.4	59.5	77.7	94.2	110	126	143	159	204	432	782	1090	1296	1411	1542	1579	1561	1505
150	21.7	48.2	63.2	85.8	106	127	152	174	334	882	1305	1586	1667	1731	1795	1718	1605	1575	1486
160	21.7	50.2	66.5	92.2	116	146	176	304	909	1426	1792	1946	1905	2018	1948	1792	1842	1774	1736
170	21.7	51.4	69.1	96.6	124	161	198	582	1248	1641	1778	1766	1895	1882	1628	1263	1114	1050	987
180	21.7	52.0	70.0	98.9	129	171	216	754	1377	1656	1566	1548	1386	1383	1097	1010	466	205	756

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	735	990	1171	1282	1487	1814	1894	1687	1294	700	218	168	138	109	81.9	58.0	26.6	2.58	
-170	948	1304	1608	1867	1868	1800	1862	1614	1189	594	200	162	134	107	79.9	57.5	26.4	2.58	
-160	1742	1849	1878	1899	1847	1807	1666	1362	881	355	176	152	125	102	74.4	55.7	25.1	2.58	
-150	1843	1865	1826	1658	1629	1563	1269	846	392	181	158	136	115	94.1	69.2	52.2	23.0	2.58	
-140	1545	1474	1441	1326	1113	807	465	224	169	154	136	119	102	82.5	64.1	46.1	20.1	2.58	
-130	574	492	378	248	181	163	159	153	142	129	116	102	85.2	69.9	56.8	37.7	16.7	2.58	
-120	136	135	134	132	131	129	127	124	115	105	93.1	80.1	69.2	58.3	45.4	28.8	12.4	2.58	
-110	105	105	104	103	102	99.4	95.7	90.4	83.6	75.9	68.4	60.1	51.5	42.0	30.9	19.6	7.82	2.58	
-100	80.0	77.3	74.3	71.1	67.8	64.3	60.5	56.4	51.9	46.2	40.3	34.3	28.7	22.8	16.2	9.45	3.80	2.58	
-90	26.0	23.3	20.6	17.9	15.2	12.5	9.84	7.13	4.43	4.26	4.09	3.92	3.75	3.55	3.30	3.06	2.82	2.58	
-80	3.35	3.50	3.64	3.78	3.69	3.42	3.14	2.85	2.59	2.90	3.20	3.50	3.79	3.82	3.63	3.37	3.00	2.58	
-70	4.68	4.75	4.81	4.84	4.65	4.35	4.03	3.67	3.48	3.62	3.76	3.96	4.17	4.09	3.86	3.57	3.20	2.58	
-60	6.61	6.62	6.58	6.47	6.19	5.84	5.42	4.96	4.77	4.70	4.62	4.59	4.58	4.38	4.11	3.76	3.33	2.58	
-50	9.09	9.00	8.82	8.58	8.27	7.85	7.33	6.80	6.39	5.98	5.64	5.38	5.05	4.70	4.35	3.93	3.41	2.58	
-40	10.5	10.3	9.95	10.1	9.92	9.49	9.12	8.69	8.03	7.39	6.77	6.14	5.55	5.04	4.59	4.09	3.48	2.58	
-30	12.6	12.3	12.0	11.8	11.5	10.9	10.2	9.77	9.40	8.61	7.73	6.82	6.03	5.36	4.82	4.23	3.54	2.58	
-20	10.9	10.8	11.1	11.1	12.4	12.3	11.4	10.4	10.0	9.39	8.41	7.40	6.43	5.64	4.98	4.33	3.59	2.58	
-10	8.88	9.07	9.53	10.1	11.7	13.0	12.4	11.2	10.3	9.87	8.83	7.79	6.70	5.84	5.10	4.40	3.61	2.58	
0	9.75	9.60	9.40	9.92	12.1	13.5	12.9	11.5	10.4	10.1	8.99	7.95	6.82	5.93	5.16	4.43	3.61	2.58	
10	8.28	8.25	8.75	9.42	11.3	12.5	12.1	11.2	10.5	10.1	9.04	7.97	6.85	5.94	5.17	4.45	3.63	2.58	
20	9.37	9.80	9.80	10.5	11.3	11.9	11.4	10.8	10.4	9.83	8.82	7.75	6.71	5.83	5.12	4.42	3.63	2.58	
30	12.8	12.4	11.9	11.9	11.6	11.1	10.6	10.3	9.99	9.30	8.35	7.34	6.42	5.65	5.02	4.34	3.60	2.58	
40	11.1	10.7	10.4	10.3	10.3	10.00	9.65	9.37	8.79	8.17	7.50	6.75	6.01	5.39	4.84	4.24	3.56	2.58	
50	10.1	9.93	9.70	9.43	9.11	8.72	8.23	7.73	7.26	6.82	6.38	6.02	5.58	5.11	4.63	4.11	3.50	2.58	
60	7.71	7.66	7.56	7.41	7.13	6.79	6.38	5.92	5.67	5.49	5.36	5.25	5.16	4.80	4.41	3.96	3.43	2.58	
70	5.59	5.65	5.69	5.71	5.51	5.23	4.93	4.58	4.37	4.44	4.52	4.60	4.71	4.53	4.20	3.80	3.31	2.58	
80	4.33	4.42	4.49	4.56	4.45	4.20	3.95	3.68	3.44	3.66	3.88	4.11	4.36	4.29	3.97	3.60	3.13	2.58	
90	4.83	4.64	4.46	4.27	4.00	3.65	3.30	2.95	2.59	3.02	3.45	3.88	4.31	4.31	3.88	3.45	3.01	2.58	
100	63.4	61.8	60.0	57.8	54.9	51.1	46.6	41.3	36.0	34.0	32.1	30.1	27.8	23.1	16.7	10.1	4.32	2.58	
110	96.0	96.5	96.7	96.3	93.3	88.1	81.8	75.4	69.6	65.0	60.4	54.6	48.7	40.9	30.9	19.7	8.15	2.58	
120	124	124	122	121	119	116	112	105	98.0	90.3	81.1	72.4	64.8	55.6	44.5	28.8	12.6	2.58	
130	245	193	160	152	150	147	141	134	124	113	102	91.1	78.8	66.6	55.2	37.3	16.7	2.58	
140	1515	1468	1337	1148	883	544	273	187	151	137	121	108	94.7	78.6	62.2	45.6	20.2	2.58	
150	1641	1712	1615	1655	1610	1523	1214	821	385	166	143	125	108	89.8	67.5	51.6	23.0	2.58	
160	1887	2013	1945	1998	1830	1833	1697	1420	970	359	166	144	120	98.6	73.1	55.2	25.1	2.58	
170	1391	1635	1605	1720	1778	1839	1876	1640	1223	621	196	158	131	105	79.1	57.2	26.4	2.58	
180	735	990	1171	1282	1487	1814	1894	1687	1294	700	218	168	138	109	81.9	58.0	26.6	2.58	

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: