

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

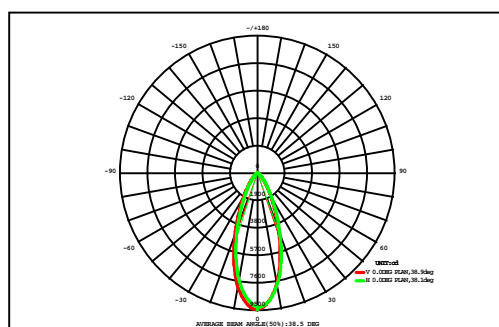
Maximum Intensity		1706.7 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	75.3V x 76.2H
	At 50% of Imax	38.1V x 38.9H
	At 90% of Imax	13.4V x 15.0H
Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	818.4 lumens per klm.
	To 50% of Imax	425.1 lumens per klm.
	To 90% of Imax	72.3 lumens per klm.
	Upward LOR	2.0 %
	Downward LOR	98.1 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2019-03-14

V(θ) Range:-180 - 180DEG
V(θ) Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.510m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:3.142A P:75.40W PF:1.000 Lamp Flux:5521.21x1 lm		
NAME: L2881-72W-36-W-NE80-XP	TYPE:WALL WASHER	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:73.22lm/W	
MODEL	CREE XPG3	Imax(cd)	9423
NOMINAL POWER(W)	72	AVAILABILITY(%)	81.8
RATED VOLTAGE(V)	DC 24	Avai. FLUX(lm)	4515
NOMINAL FLUX(lm)	5521.21	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	5521
TEST VOLTAGE(V)	DC 24	q @50%(H,V)	39,38DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		F t	F a
	0.15	0.30	0.51	0.77	1.05	1.31	1.53	1.69	1.76	1.74	1.63	1.44	1.21	0.96	0.69	0.46	0.27	0.14	17.6	0.00
72	0.23	0.48	0.83	1.25	1.70	2.14	2.54	2.86	3.03	3.01	2.78	2.43	2.00	1.56	1.13	0.75	0.43	0.21	29.4	0.00
64	0.32	0.68	1.18	1.78	2.52	3.38	4.29	5.08	5.55	5.51	4.97	4.12	3.19	2.34	1.63	1.06	0.61	0.29	48.5	0.00
56	0.42	0.89	1.54	2.46	3.81	5.65	7.78	9.78	11.0	11.0	9.56	7.49	5.36	3.56	2.25	1.39	0.79	0.38	85.1	0.00
48	0.51	1.08	1.94	3.41	5.89	9.69	14.6	19.5	22.8	22.5	19.0	14.0	9.17	5.49	3.13	1.75	0.98	0.47	156	68.4
40	0.59	1.26	2.41	4.67	8.92	16.3	26.9	38.6	46.7	46.1	37.2	25.6	15.3	8.28	4.26	2.18	1.15	0.55	287	235
32	0.66	1.42	2.90	6.09	12.7	25.4	45.9	70.2	87.5	86.2	67.5	43.4	23.7	11.7	5.56	2.65	1.31	0.61	495	454
24	0.70	1.55	3.32	7.38	16.5	35.2	67.7	109	137	135	105	63.6	32.6	15.2	6.78	3.05	1.43	0.66	741	705
16	0.73	1.62	3.56	8.17	18.9	42.0	83.2	135	170	167	130	78.2	38.9	17.4	7.52	3.29	1.51	0.69	906	873
8	0.73	1.61	3.53	8.06	18.5	41.0	80.9	130	164	165	129	77.6	38.6	17.3	7.50	3.29	1.52	0.69	889	855
0	0.70	1.53	3.23	7.10	15.6	32.8	62.6	101	128	128	99.3	61.2	31.7	14.9	6.73	3.06	1.45	0.67	700	663
-8	0.65	1.40	2.79	5.72	11.7	23.0	41.1	63.3	79.2	78.7	62.2	40.1	22.4	11.4	5.52	2.67	1.33	0.63	454	411
-16	0.59	1.24	2.31	4.34	8.14	14.5	23.8	34.3	41.2	40.9	33.7	23.3	14.2	7.92	4.22	2.23	1.19	0.57	259	204
-24	0.51	1.07	1.88	3.20	5.37	8.67	13.0	17.4	20.0	19.9	17.1	12.8	8.49	5.25	3.10	1.81	1.02	0.49	141	46.7
-32	0.42	0.88	1.50	2.34	3.53	5.15	7.04	8.80	9.83	9.80	8.71	6.94	5.05	3.44	2.27	1.44	0.84	0.41	78.4	0.00
-40	0.33	0.68	1.16	1.73	2.40	3.18	4.00	4.69	5.09	5.07	4.65	3.94	3.11	2.32	1.66	1.11	0.65	0.32	46.1	0.00
-48	0.23	0.49	0.83	1.23	1.66	2.09	2.48	2.77	2.92	2.90	2.73	2.41	2.02	1.58	1.16	0.79	0.47	0.24	29.0	0.00
-56	0.16	0.31	0.52	0.77	1.04	1.30	1.52	1.67	1.75	1.73	1.63	1.46	1.24	0.98	0.72	0.49	0.30	0.17	17.7	0.00
-64	0.15	0.30	0.51	0.77	1.05	1.31	1.53	1.69	1.76	1.74	1.63	1.44	1.21	0.96	0.69	0.46	0.27	0.14	17.6	0.00
-72	0.23	0.48	0.83	1.25	1.70	2.14	2.54	2.86	3.03	3.01	2.78	2.43	2.00	1.56	1.13	0.75	0.43	0.21	29.4	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)	16	24	32	40	48	56	64	72			
F t	8.63	18.5	35.9	70.5	140	273	491	755	938	930	736	470	258	132	65.8	33.5	17.3	8.18	5379	---
F a	0.00	0.00	0.00	0.00	58.0	212	436	703	886	878	683	415	197	46.7	0.00	0.00	0.00	0.00	---	4515

one-half-peak spread: U:18.4,D:19.9 , L:20.0,R:19.2

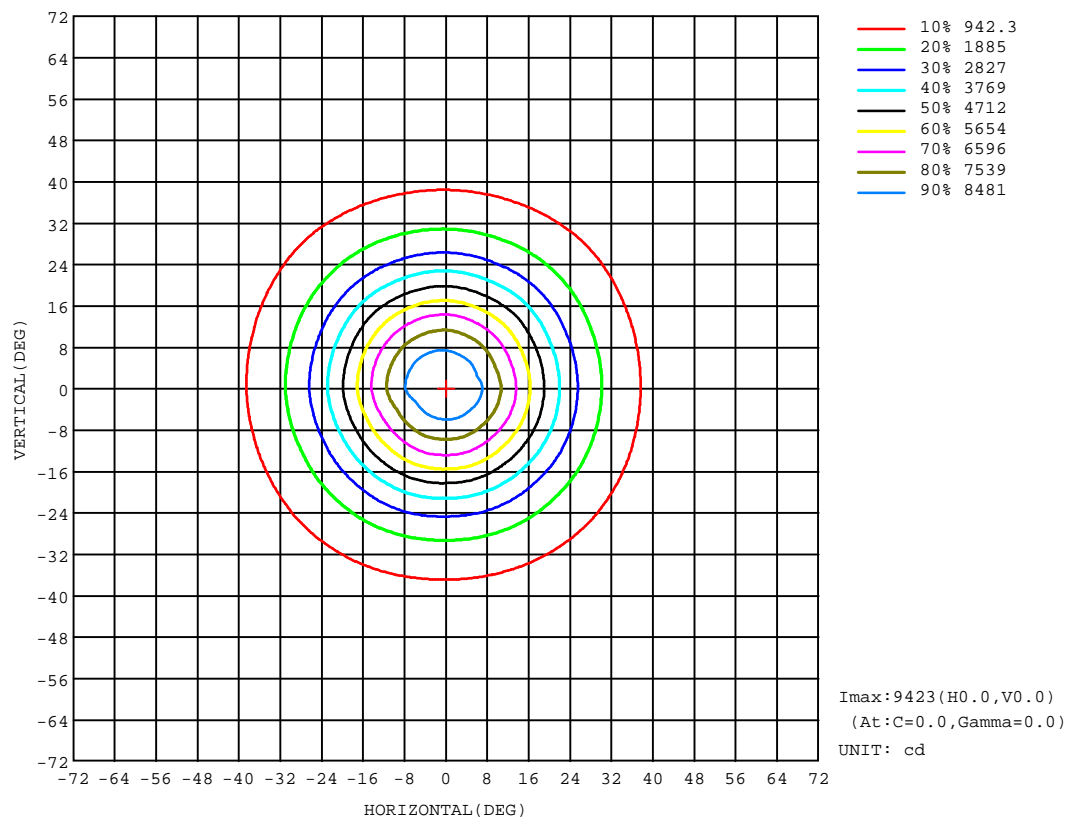
NEMA Beam Type: Type 5

H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2019-03-14

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.510m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:3.142A P:75.40W PF:1.000 Lamp Flux:5521.21x1 lm		
NAME: L2881-72W-36-W-NE80-XP	TYPE:WALL WASHER	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

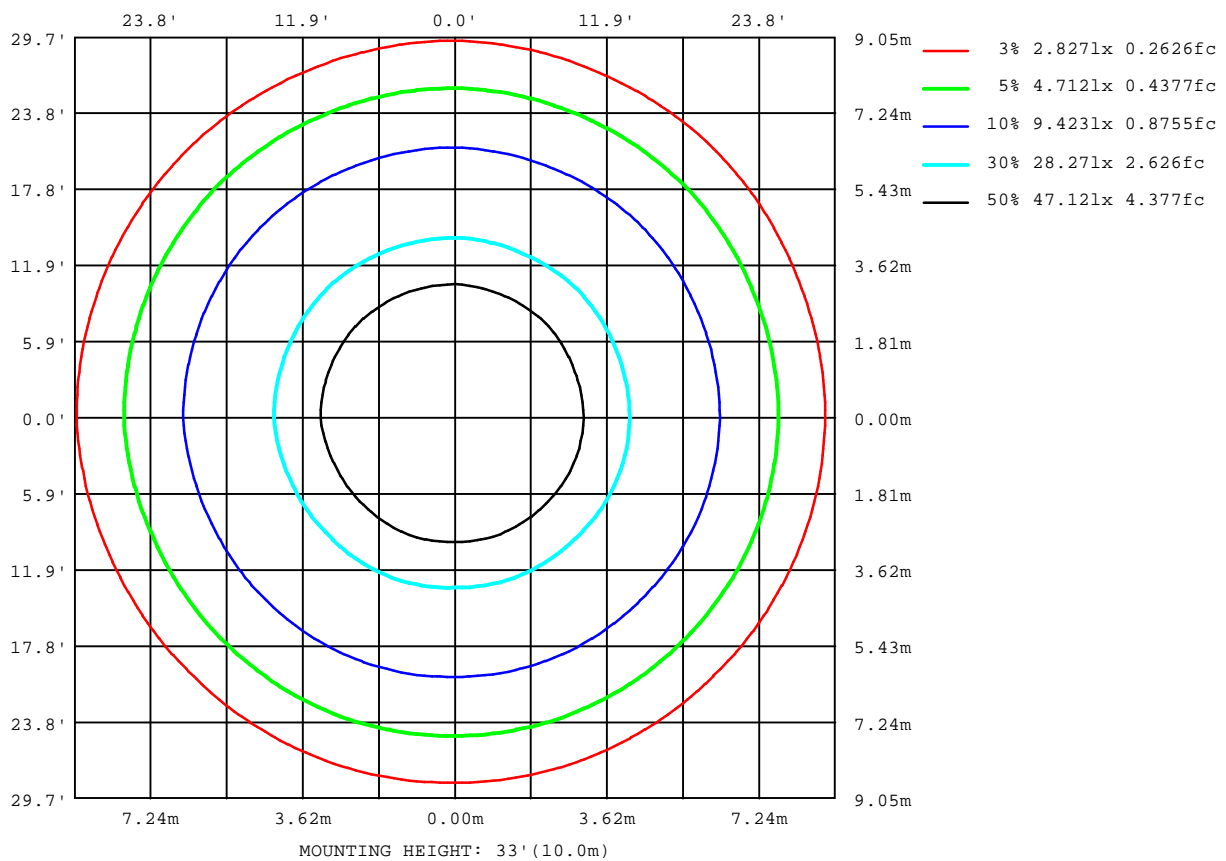


H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2019-03-14

V(θ) Range:-180 - 180DEG
V(θ) Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.510m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

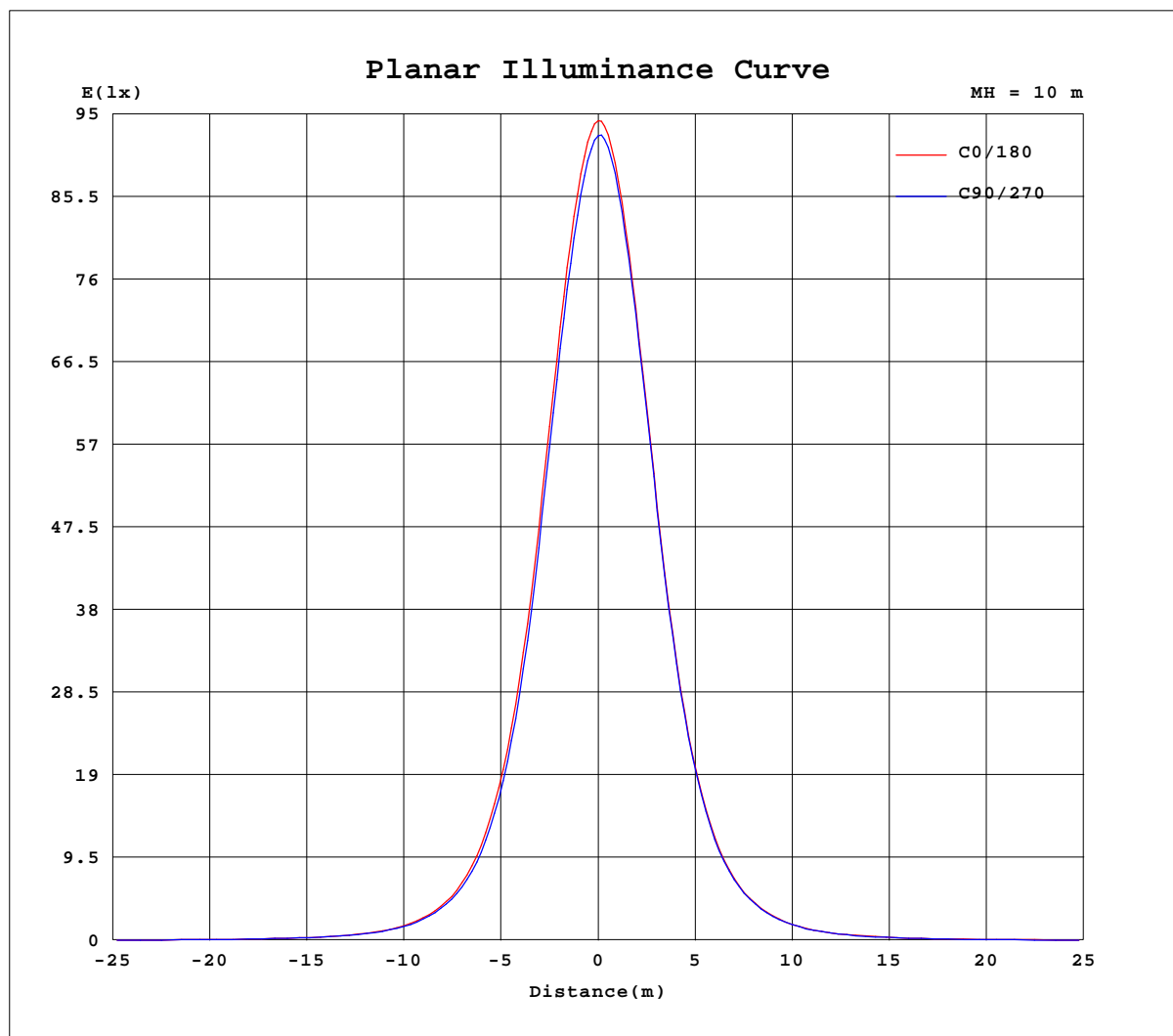
Test:U:24.00V I:3.142A P:75.40W PF:1.000 Lamp Flux:5521.21x1 lm		
NAME: L2881-72W-36-W-NE80-XP	TYPE:WALL WASHER	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2019-03-14

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.510m [K=1.0000]
Remarks:

Planar Illuminance Curve



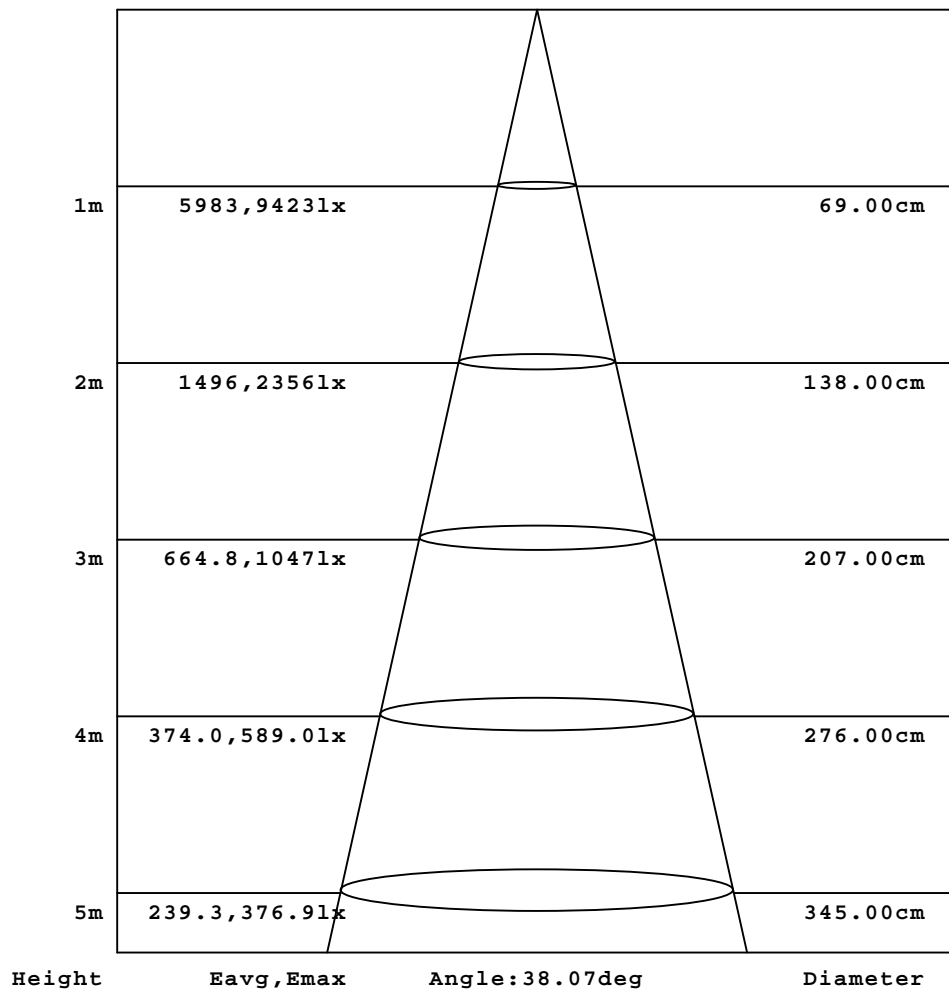
H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2019-03-14

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.510m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:3.142A P:75.40W PF:1.000 Lamp Flux:5521.21x1 lm		
NAME: L2881-72W-36-W-NE80-XP	TYPE:WALL WASHER	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:2490 lm



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

H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2019-03-14

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.510m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:3.142A P:75.40W PF:1.000 Lamp Flux:5521.21x1 lm																	
NAME: L2881-72W-36-W-NE80-XP									TYPE:WALL WASHER						WEIGHT:		
SPEC.:									DIM.:						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	7.61	6.77	6.54	6.47	6.67	7.40	8.89	11.3	14.7	18.9	23.6	28.5	33.1	37.0	40.1	42.3	43.7	44.8	44.1
-170	7.61	6.92	6.87	7.00	7.40	8.32	9.97	12.5	15.9	20.0	24.5	29.1	33.3	36.9	39.4	41.0	41.9	42.7	42.9
-160	7.61	7.08	7.20	7.49	8.05	9.04	10.7	13.0	16.0	19.7	23.8	27.3	30.7	33.6	36.0	37.9	39.2	40.1	40.4
-150	7.61	7.23	7.50	7.94	8.61	9.61	11.1	13.1	15.6	17.8	20.4	23.1	25.8	28.3	30.5	32.4	33.7	34.7	35.1
-140	7.61	7.38	7.79	8.33	9.08	10.0	11.3	12.5	13.6	15.0	16.6	18.4	20.3	22.1	23.7	25.1	26.2	27.0	27.3
-130	7.61	7.50	8.04	8.68	9.47	10.4	11.2	11.6	12.1	12.7	13.5	14.4	15.4	16.4	17.3	18.1	18.8	19.2	19.4
-120	7.61	7.59	8.23	8.96	9.77	10.7	10.9	11.0	11.2	11.4	11.7	12.0	12.3	12.7	13.0	13.3	13.6	13.7	13.8
-110	7.61	7.66	8.39	9.15	9.98	10.7	10.7	10.7	10.8	10.8	10.9	11.0	11.0	11.1	11.2	11.2	11.3	11.3	11.3
-100	7.61	7.78	8.46	9.25	10.1	10.5	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8
-90	7.61	8.28	8.96	9.63	10.3	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
-80	7.61	8.77	10.0	11.3	12.4	13.2	13.8	14.7	15.8	17.0	18.6	20.0	21.4	22.7	23.7	24.4	24.9	25.0	24.8
-70	7.61	9.44	11.6	13.8	17.4	22.0	27.2	33.0	39.2	45.4	51.6	57.5	62.8	67.6	71.4	74.2	76.0	76.9	76.9
-60	7.61	10.2	13.4	19.1	27.5	37.9	49.4	61.3	73.3	85.1	96.3	107	117	126	134	141	145	148	148
-50	7.61	10.9	16.2	26.4	40.5	57.1	74.4	92.2	110	129	148	170	194	220	246	269	288	299	303
-40	7.61	11.5	19.5	34.4	54.1	76.0	99.0	123	150	184	228	284	351	428	512	594	660	703	715
-30	7.61	12.1	22.8	41.9	66.3	93.0	122	155	200	267	359	487	654	863	1108	1358	1582	1732	1773
-20	7.61	12.6	25.6	48.1	76.0	107	142	188	261	371	538	786	1141	1619	2225	2903	3561	4017	4155
-10	7.61	12.8	27.4	52.2	82.4	116	156	217	315	474	724	1115	1709	2563	3690	5011	6266	7193	7491
0	7.61	12.9	28.0	53.6	84.9	120	163	231	343	526	826	1305	2066	3177	4675	6397	7964	9039	9423
10	7.61	12.8	27.3	52.1	82.5	117	158	220	323	489	753	1172	1811	2728	3953	5386	6734	7602	7884
20	7.61	12.4	25.4	48.0	76.1	107	143	193	272	393	578	856	1253	1794	2485	3240	3935	4447	4636
30	7.61	11.8	22.5	41.7	66.4	93.6	123	159	210	285	390	535	730	973	1247	1532	1791	1972	2031
40	7.61	11.2	19.0	34.1	54.0	76.3	100	126	156	194	246	310	388	478	571	662	741	795	812
50	7.61	10.5	15.6	25.8	40.1	56.9	74.9	93.5	113	133	155	179	207	237	266	293	315	329	333
60	7.61	9.67	12.6	18.2	26.6	37.2	49.1	61.7	74.2	86.6	98.4	109	120	129	137	145	150	153	154
70	7.61	8.84	10.5	12.6	15.9	20.6	26.2	32.5	39.1	45.7	52.1	57.9	63.2	67.7	71.5	74.4	76.4	77.4	77.5
80	7.61	8.09	8.77	9.50	10.2	10.9	11.7	12.8	14.2	15.6	17.3	18.8	20.3	21.5	22.6	23.5	24.0	24.2	24.2
90	7.61	7.54	7.46	7.39	7.32	7.26	7.23	7.20	7.17	7.14	7.15	7.17	7.19	7.21	7.20	7.18	7.15	7.13	7.10
100	7.61	7.04	6.95	6.94	6.92	6.87	6.80	6.74	6.68	6.62	6.60	6.58	6.56	6.54	6.51	6.46	6.42	6.38	6.35
110	7.61	6.93	6.89	6.79	6.71	6.64	6.53	6.43	6.33	6.27	6.24	6.22	6.20	6.18	6.15	6.16	6.17	6.18	6.19
120	7.61	6.91	6.79	6.67	6.56	6.45	6.36	6.33	6.34	6.45	6.62	6.81	7.06	7.32	7.58	7.85	8.07	8.21	8.26
130	7.61	6.89	6.71	6.56	6.45	6.39	6.38	6.59	6.98	7.55	8.27	9.13	10.1	11.0	11.9	12.8	13.4	13.8	14.0
140	7.61	6.86	6.65	6.48	6.42	6.44	6.75	7.38	8.38	9.73	11.4	13.2	15.2	17.2	19.1	20.6	21.9	22.6	22.9
150	7.61	6.83	6.60	6.45	6.44	6.69	7.37	8.57	10.3	12.7	15.4	18.5	21.6	24.6	27.3	29.5	31.1	32.1	32.5
160	7.61	6.80	6.57	6.45	6.52	7.00	8.07	9.86	12.4	15.7	19.4	23.5	27.4	31.1	34.1	36.5	38.2	39.2	39.6
170	7.61	6.78	6.55	6.46	6.61	7.27	8.64	10.9	14.0	17.9	22.4	27.0	31.4	35.2	38.3	40.5	42.0	42.7	43.0
180	7.61	6.77	6.54	6.47	6.67	7.40	8.89	11.3	14.7	18.9	23.6	28.5	33.1	37.0	40.1	42.3	43.7	44.8	44.3

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2019-03-14

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:3.142A P:75.40W PF:1.000 Lamp Flux:5521.21x1 lm		
NAME: L2881-72W-36-W-NE80-XP	TYPE:WALL WASHER	WEIGHT:
SPEC.:	DIM.:	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	44.8	44.2	43.2	41.6	39.4	36.3	32.6	28.4	24.2	20.3	16.9	14.4	12.7	11.6	11.1	10.9	10.7	10.6	
-170	43.2	42.7	42.0	40.6	38.3	35.2	31.5	27.5	23.5	19.7	16.6	14.2	12.6	11.6	11.1	10.9	10.7	10.6	
-160	40.5	39.9	38.8	37.0	34.8	31.9	28.6	25.0	21.5	18.3	15.6	13.7	12.3	11.5	11.1	10.8	10.7	10.6	
-150	35.0	34.3	33.1	31.4	29.2	26.8	24.0	21.3	18.6	16.3	14.3	12.9	11.9	11.3	11.0	10.8	10.7	10.6	
-140	27.2	26.6	25.6	24.3	22.7	20.9	19.1	17.2	15.6	14.1	13.0	12.1	11.5	11.2	10.9	10.8	10.7	10.6	
-130	19.3	19.0	18.4	17.7	16.8	15.8	14.8	13.9	13.1	12.4	11.9	11.5	11.2	11.0	10.9	10.8	10.7	10.6	
-120	13.8	13.7	13.5	13.2	12.9	12.5	12.2	11.9	11.6	11.4	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.6	
-110	11.3	11.3	11.3	11.3	11.2	11.1	11.1	11.0	10.9	10.9	10.9	10.9	10.8	10.8	10.7	10.7	10.6	10.6	
-100	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.6	10.6	10.6	10.6	
-90	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.8	10.8	10.9	11.0	11.1	11.1	11.1	11.0	10.9	10.7	10.6	
-80	24.7	24.2	23.5	22.6	21.5	20.4	19.1	17.8	16.6	16.0	15.4	14.9	14.7	14.2	13.6	13.1	12.4	10.6	
-70	76.1	74.4	71.8	68.3	64.2	59.4	54.1	48.3	42.5	37.2	31.9	27.0	22.8	19.0	16.3	14.6	13.2	10.6	
-60	147	144	138	131	122	113	102	91.4	80.6	69.6	58.4	47.5	37.4	28.2	21.1	16.4	13.8	10.6	
-50	298	286	267	243	216	189	165	143	124	106	88.4	71.6	55.1	40.1	27.7	19.0	14.5	10.6	
-40	699	653	585	504	421	344	277	222	179	145	119	95.1	73.1	52.6	35.0	22.0	15.3	10.6	
-30	1722	1561	1332	1082	843	638	475	350	259	194	149	117	89.1	64.0	41.9	25.0	15.9	10.6	
-20	3987	3506	2839	2165	1575	1106	762	521	358	250	180	135	102	73.1	47.5	27.5	16.4	10.6	
-10	7173	6211	4935	3607	2478	1637	1059	684	446	297	204	148	110	79.0	51.3	29.2	16.7	10.6	
0	8914	7754	6114	4390	2946	1911	1205	760	486	317	215	153	113	81.2	52.8	29.9	16.8	10.6	
10	7466	6505	5122	3702	2524	1672	1078	691	449	297	203	147	109	78.2	50.8	28.9	16.5	10.6	
20	4366	3800	3096	2352	1681	1164	788	529	359	249	177	132	99.6	71.5	46.5	26.9	16.0	10.6	
30	1942	1736	1470	1187	918	685	499	360	260	190	144	112	86.0	61.9	40.5	24.0	15.4	10.6	
40	786	725	641	549	455	366	290	227	178	141	113	90.1	69.4	50.1	33.1	20.7	14.7	10.6	
50	326	309	285	256	226	195	167	142	121	102	83.9	66.8	51.3	37.1	25.4	17.4	13.8	10.6	
60	152	147	140	131	122	112	101	89.6	78.3	66.7	55.1	43.7	33.1	24.9	18.5	14.7	12.9	10.6	
70	76.3	74.2	71.1	67.2	62.9	58.1	52.7	46.8	40.7	34.7	28.8	23.3	18.5	15.3	13.5	12.7	12.2	10.6	
80	23.8	23.0	22.1	20.8	19.5	18.3	16.8	15.3	13.8	12.7	11.7	10.8	10.2	10.2	10.6	11.1	11.5	10.6	
90	7.11	7.11	7.12	7.12	7.12	7.09	7.07	7.05	7.02	7.07	7.12	7.16	7.21	7.61	8.36	9.12	9.87	10.6	
100	6.37	6.39	6.41	6.44	6.46	6.46	6.46	6.46	6.47	6.51	6.55	6.59	6.63	7.16	8.05	8.91	9.77	10.6	
110	6.18	6.16	6.13	6.11	6.12	6.14	6.14	6.15	6.16	6.18	6.24	6.32	6.41	7.18	8.11	8.98	9.79	10.6	
120	8.25	8.14	7.94	7.68	7.41	7.13	6.86	6.62	6.40	6.24	6.18	6.19	6.35	7.34	8.27	9.11	9.86	10.6	
130	13.9	13.6	13.0	12.2	11.3	10.3	9.35	8.45	7.65	7.02	6.55	6.25	6.82	7.69	8.53	9.30	9.96	10.6	
140	22.8	22.1	21.0	19.4	17.6	15.7	13.6	11.7	10.0	8.57	7.46	7.21	7.61	8.24	8.90	9.54	10.1	10.6	
150	32.3	31.3	29.8	27.7	25.0	22.1	19.0	15.9	13.1	10.7	9.53	8.93	8.77	8.96	9.37	9.82	10.2	10.6	
160	39.2	38.2	36.6	34.3	31.4	27.8	24.0	20.0	17.0	14.3	12.3	10.9	10.1	9.83	9.92	10.2	10.4	10.6	
170	42.4	41.7	40.2	38.1	35.5	32.5	28.9	25.0	21.2	17.7	14.9	12.8	11.5	10.8	10.5	10.5	10.5	10.6	
180	44.8	44.2	43.2	41.6	39.4	36.3	32.6	28.4	24.2	20.3	16.9	14.4	12.7	11.6	11.1	10.9	10.7	10.6	

H(b) Range:-90 - 90DEG

H(b) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2019-03-14

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks: