

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

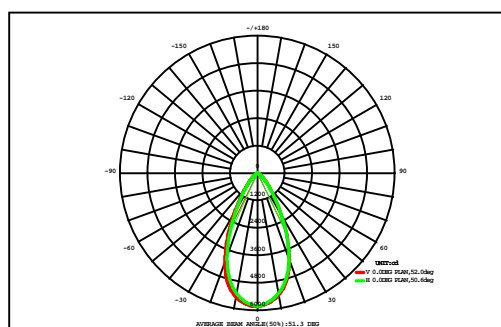
Maximum Intensity		1209.6 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	86.5V x 87.7H
	At 50% of Imax	50.6V x 52.0H
	At 90% of Imax	22.0V x 24.8H
Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	866.7 lumens per klm.
	To 50% of Imax	541.8 lumens per klm.
	To 90% of Imax	113.9 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:2019-03-13

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:3.120A P:74.89W PF:1.000 Lamp Flux:4852.13x1 lm		
NAME: L2881-72W-36-W-AFC50-XP	TYPE:WALL WASHER	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:64.79lm/W	
MODEL	CREE XPG3	Imax(cd)	5869
NOMINAL POWER(W)	72	AVAILABILITY(%)	86.6
RATED VOLTAGE(V)	DC 24	Avai. FLUX(lm)	4202
NOMINAL FLUX(lm)	4852.13	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	4852
TEST VOLTAGE(V)	DC 24	q @50%(H,V)	52,51DEG

VERTICAL(°)	AREA FLUX DIAGRAM																UNIT:lm		F t	F a
	0.12	0.20	0.25	0.31	0.48	0.68	0.88	1.04	1.14	1.14	1.05	0.89	0.70	0.49	0.32	0.23	0.17	0.11	10.2	0.00
72	0.12	0.20	0.25	0.31	0.48	0.68	0.88	1.04	1.14	1.14	1.05	0.89	0.70	0.49	0.32	0.23	0.17	0.11	10.2	0.00
64	0.19	0.31	0.49	0.77	1.17	1.63	2.09	2.45	2.66	2.66	2.44	2.07	1.63	1.17	0.76	0.47	0.27	0.17	23.4	0.00
56	0.25	0.47	0.85	1.39	2.13	3.07	4.06	4.92	5.42	5.40	4.87	4.01	3.04	2.12	1.37	0.81	0.43	0.22	44.8	0.00
48	0.32	0.68	1.26	2.17	3.56	5.49	7.79	9.93	11.2	11.2	9.73	7.60	5.40	3.52	2.14	1.20	0.62	0.29	84.1	20.5
40	0.40	0.89	1.72	3.20	5.75	9.76	15.0	20.4	23.8	23.6	19.8	14.5	9.49	5.63	3.15	1.66	0.83	0.37	160	124
32	0.48	1.10	2.23	4.50	8.90	16.7	28.1	40.2	47.6	46.7	38.4	26.9	16.1	8.62	4.40	2.18	1.05	0.45	295	268
24	0.55	1.29	2.75	5.96	12.8	26.3	46.7	66.6	77.4	75.3	63.0	44.1	25.1	12.3	5.83	2.73	1.25	0.53	471	449
16	0.61	1.44	3.18	7.30	16.8	36.2	64.1	88.6	99.5	95.7	83.0	59.9	34.2	16.3	7.24	3.21	1.42	0.59	619	600
8	0.65	1.53	3.43	8.12	19.4	42.7	74.5	99.1	110	105	93.8	70.9	41.3	19.2	8.19	3.52	1.52	0.63	704	686
0	0.65	1.52	3.39	7.95	18.8	41.2	71.4	94.1	105	110	97.4	72.6	41.8	19.4	8.24	3.54	1.53	0.63	699	680
-8	0.61	1.41	3.06	6.85	15.4	32.5	57.8	81.6	96.1	98.3	85.7	61.8	35.1	16.6	7.35	3.26	1.44	0.60	605	585
-16	0.55	1.25	2.59	5.40	11.3	22.9	40.9	60.5	73.4	74.5	63.0	43.5	25.0	12.5	5.98	2.81	1.29	0.54	448	425
-24	0.47	1.06	2.08	4.04	7.79	14.3	24.3	35.6	43.4	44.0	37.0	25.9	15.6	8.61	4.52	2.28	1.09	0.47	273	245
-32	0.40	0.85	1.61	2.91	5.07	8.44	13.0	17.9	21.3	21.6	18.6	13.8	9.14	5.59	3.22	1.75	0.88	0.39	146	107
-40	0.32	0.65	1.19	2.00	3.20	4.89	6.90	8.82	10.1	10.2	9.12	7.29	5.27	3.52	2.19	1.27	0.67	0.31	77.8	11.7
-48	0.25	0.46	0.81	1.29	1.96	2.82	3.73	4.52	5.00	5.06	4.67	3.94	3.03	2.14	1.40	0.85	0.47	0.25	42.7	0.00
-56	0.19	0.31	0.48	0.74	1.10	1.54	1.97	2.32	2.52	2.55	2.40	2.08	1.64	1.19	0.79	0.50	0.31	0.19	22.8	0.00
-64	0.12	0.21	0.27	0.34	0.49	0.68	0.87	1.02	1.11	1.11	1.04	0.90	0.71	0.51	0.34	0.27	0.21	0.13	10.3	0.00
-72	0.12	0.21	0.27	0.34	0.49	0.68	0.87	1.02	1.11	1.11	1.04	0.90	0.71	0.51	0.34	0.27	0.21	0.13	10.3	0.00
-72 -64 -56 -48 -40 -32 -24 -16 HORIZONTAL(°) 16 24 32 40 48 56 64 72																				
F t	7.14	15.6	31.6	65.2	136	272	464	640	737	734	635	463	274	140	67.4	32.5	15.4	6.88	4736	---
F a	0.00	0.00	0.00	13.5	98.0	239	433	610	708	705	606	432	241	102	15.1	0.00	0.00	0.00	---	4202

one-half-peak spread: U:25.0,D:26.0 , L:25.3,R:27.0

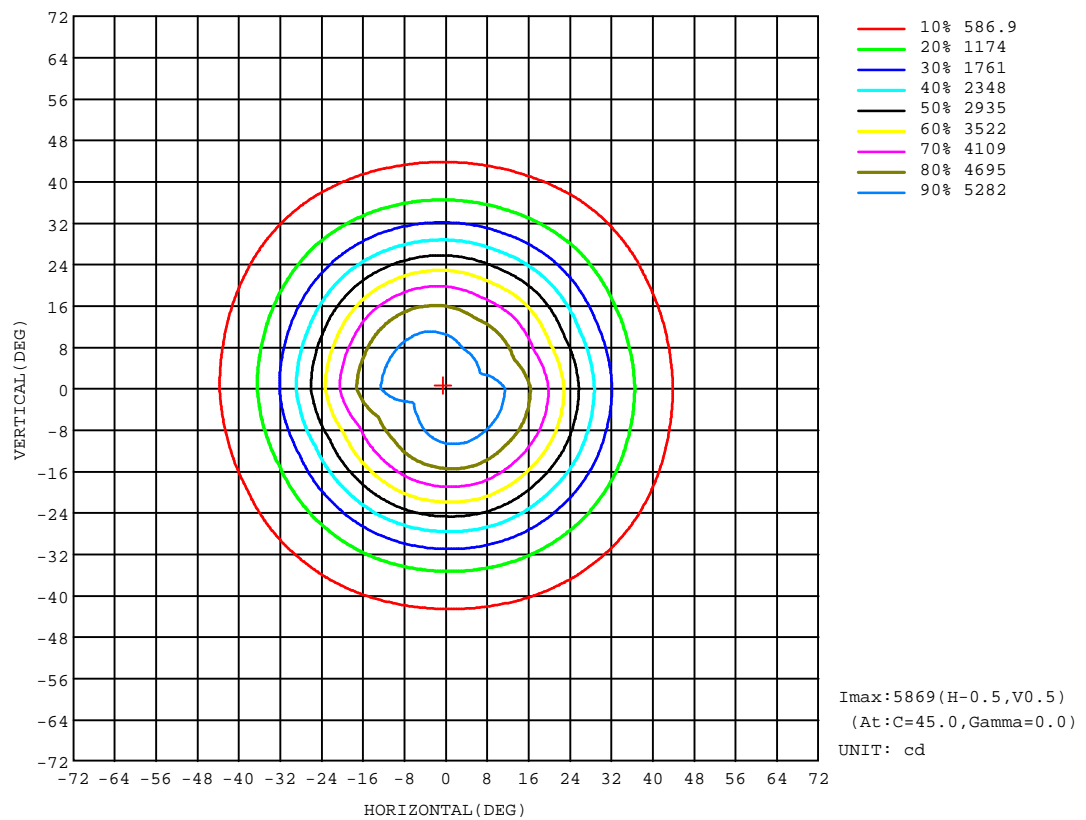
NEMA Beam Type: Type 5

H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2019-03-13

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:3.120A P:74.89W PF:1.000 Lamp Flux:4852.13x1 lm		
NAME: L2881-72W-36-W-AFC50-XP	TYPE:WALL WASHER	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

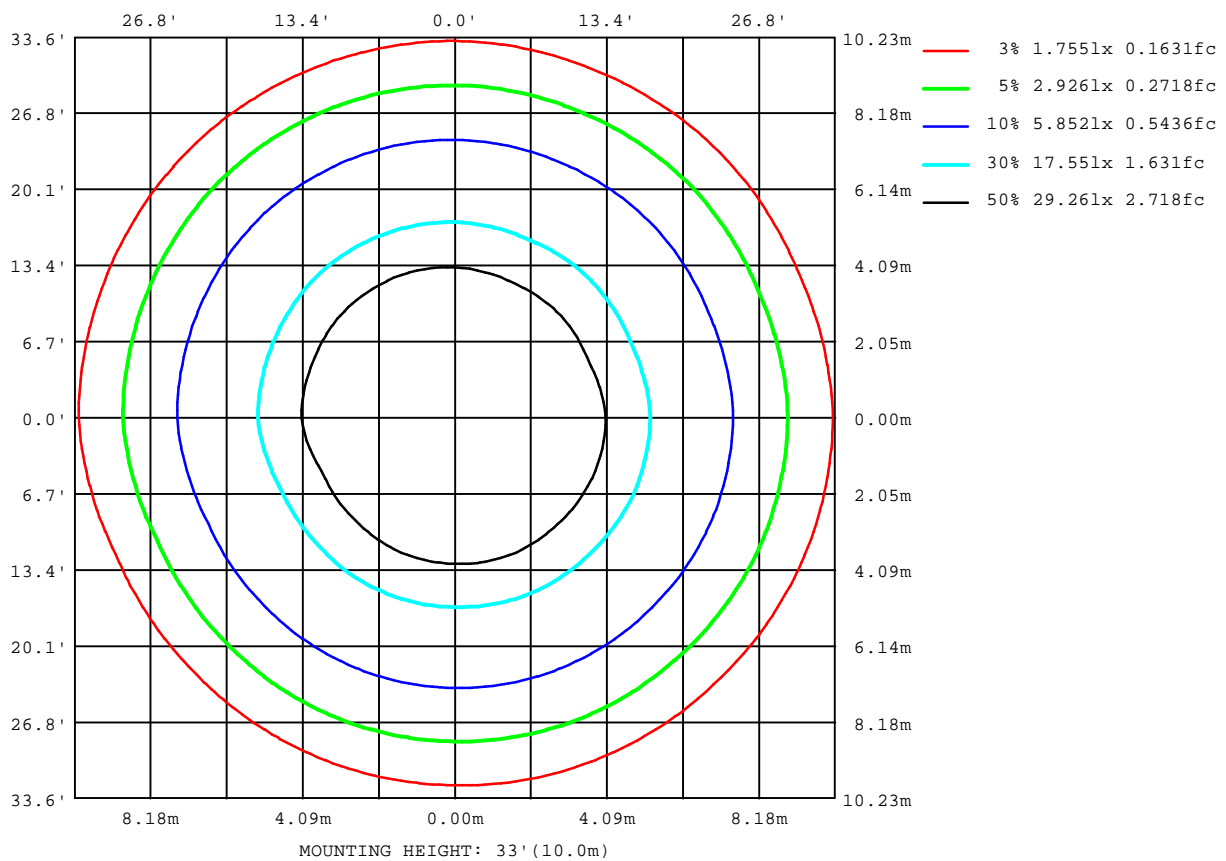


H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2019-03-13

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:

ISOLUX DIAGRAM

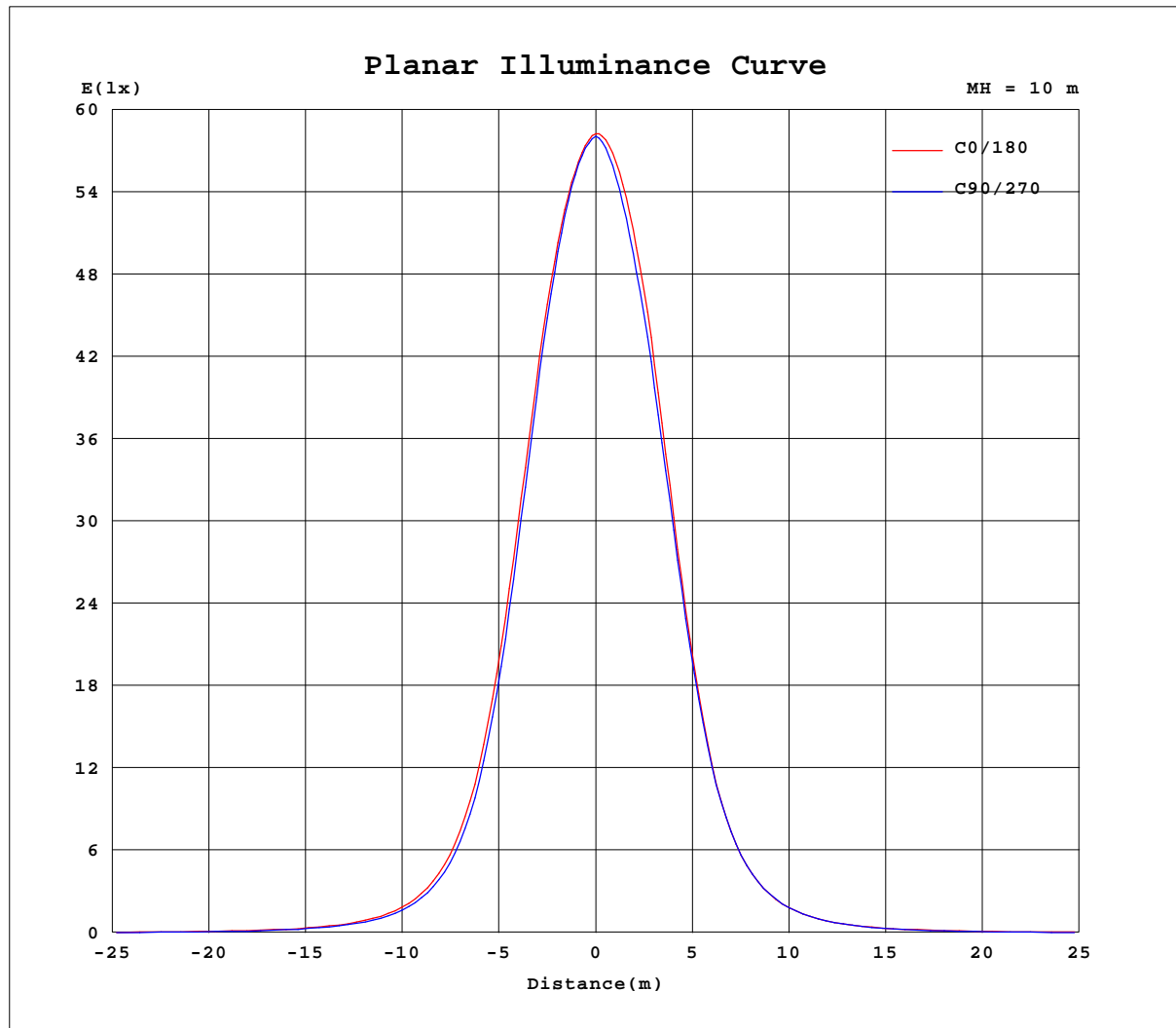
Test:U:24.00V I:3.120A P:74.89W PF:1.000 Lamp Flux:4852.13x1 lm		
NAME: L2881-72W-36-W-AFC50-XP	TYPE:WALL WASHER	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2019-03-13

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



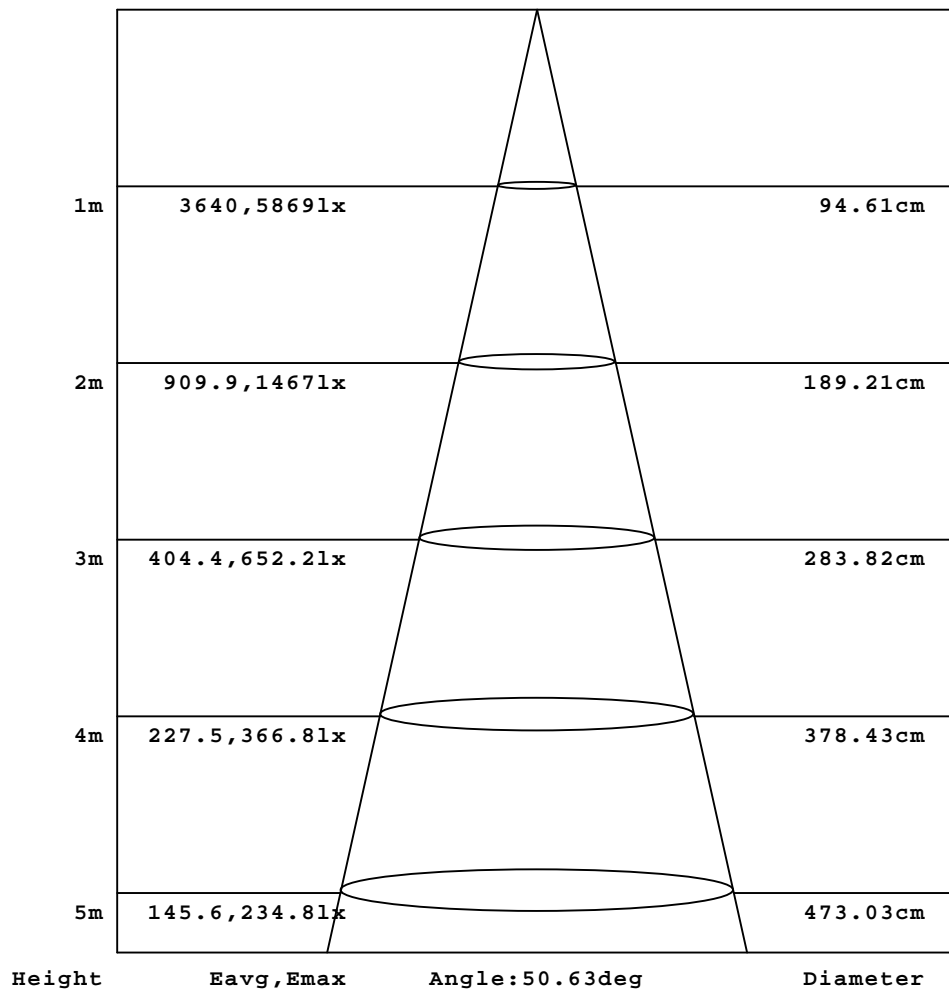
H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2019-03-13

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:3.120A P:74.89W PF:1.000 Lamp Flux:4852.13x1 lm		
NAME: L2881-72W-36-W-AFC50-XP	TYPE:WALL WASHER	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:2720 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: 2019-03-13

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:3.120A P:74.89W PF:1.000 Lamp Flux:4852.13x1 lm																	
NAME: L2881-72W-36-W-AFC50-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	6.80	5.96	6.05	6.25	6.75	7.70	9.31	11.6	14.5	17.9	21.5	25.1	28.7	31.8	34.5	36.8	38.4	39.6	37.9
-170	6.80	6.07	6.29	6.63	7.27	8.35	10.0	12.3	15.0	18.2	21.4	24.7	27.6	30.1	32.0	33.6	34.6	35.9	36.5
-160	6.80	6.17	6.50	6.95	7.68	8.78	10.4	12.4	14.9	17.6	20.4	22.8	25.2	27.3	29.1	30.7	32.0	32.9	33.4
-150	6.80	6.26	6.69	7.23	7.98	9.04	10.5	12.2	14.3	16.0	17.8	19.7	21.6	23.4	25.1	26.5	27.6	28.4	28.7
-140	6.80	6.34	6.85	7.44	8.20	9.18	10.4	11.6	12.6	13.8	15.0	16.3	17.6	19.0	20.2	21.2	22.0	22.6	22.8
-130	6.80	6.41	6.96	7.60	8.33	9.22	10.0	10.5	11.1	11.7	12.5	13.2	14.1	14.8	15.5	16.2	16.6	16.9	17.1
-120	6.80	6.48	7.04	7.69	8.40	9.19	9.47	9.70	9.98	10.3	10.6	11.0	11.4	11.7	12.1	12.3	12.6	12.7	12.8
-110	6.80	6.48	7.09	7.72	8.40	8.95	9.04	9.14	9.24	9.34	9.49	9.65	9.81	9.96	10.1	10.2	10.2	10.3	10.3
-100	6.80	6.60	7.09	7.70	8.33	8.71	8.73	8.76	8.78	8.80	8.88	8.96	9.04	9.12	9.16	9.18	9.20	9.21	9.22
-90	6.80	7.30	7.80	8.30	8.81	9.02	8.94	8.85	8.77	8.69	8.69	8.69	8.68	8.68	8.69	8.70	8.72	8.73	8.75
-80	6.80	8.26	9.18	9.99	10.6	10.9	11.2	11.3	11.5	11.5	11.7	11.9	12.0	12.1	12.2	12.3	12.3	12.2	12.1
-70	6.80	8.82	10.6	12.8	13.6	16.6	19.4	20.5	19.8	18.6	20.1	23.6	27.6	31.7	35.6	38.7	41.1	42.5	43.0
-60	6.80	9.49	13.5	17.0	24.6	28.6	31.5	35.7	42.6	50.4	59.3	71.3	83.7	95.4	107	116	123	127	129
-50	6.80	10.3	15.5	26.9	34.4	40.4	51.6	65.2	80.7	98.7	120	145	174	204	234	261	283	298	304
-40	6.80	11.1	19.8	35.3	42.4	57.2	76.3	98.6	126	162	208	265	335	417	507	597	673	728	750
-30	6.80	12.4	25.5	40.5	52.2	75.0	102	135	180	246	338	467	637	857	1125	1411	1671	1857	1932
-20	6.80	13.6	30.5	44.2	62.7	91.0	126	173	243	349	508	757	1124	1628	2228	2848	3404	3770	3917
-10	6.80	14.4	34.0	47.5	70.6	103	145	204	301	458	709	1109	1713	2497	3360	4153	4707	5113	5342
0	6.80	14.8	36.0	49.7	75.0	110	156	221	333	521	832	1346	2142	3161	4209	5021	5495	5749	5826
10	6.80	14.3	34.0	47.5	70.9	104	147	209	312	482	755	1201	1878	2758	3713	4540	5073	5344	5323
20	6.80	13.4	30.3	44.2	63.1	92.6	130	180	259	383	573	865	1293	1873	2549	3200	3707	4000	4057
30	6.80	12.1	25.2	40.4	52.5	76.7	106	143	195	271	380	534	740	1001	1305	1617	1888	2062	2110
40	6.80	10.8	19.3	35.0	42.4	58.2	79.4	104	135	176	230	298	382	479	580	681	763	818	835
50	6.80	9.88	14.7	26.4	34.1	40.6	52.9	68.1	85.6	106	130	158	190	224	256	286	310	325	330
60	6.80	9.02	12.5	16.0	23.9	28.1	31.0	35.6	43.6	52.7	62.8	75.8	88.8	101	113	122	130	134	136
70	6.80	8.31	9.57	11.2	11.9	15.1	17.8	18.2	17.2	15.9	17.9	21.8	26.2	30.6	34.7	38.5	41.3	43.1	43.8
80	6.80	7.74	8.11	8.40	8.50	8.48	8.62	8.70	8.79	8.60	8.70	8.83	8.95	9.03	9.13	9.24	9.32	9.37	9.40
90	6.80	6.74	6.68	6.62	6.56	6.47	6.34	6.21	6.08	5.94	5.93	5.91	5.89	5.87	5.85	5.82	5.79	5.76	5.73
100	6.80	6.02	5.89	5.87	5.85	5.83	5.83	5.83	5.83	5.84	5.83	5.82	5.81	5.80	5.79	5.77	5.76	5.74	5.73
110	6.80	5.90	5.90	5.88	5.86	5.85	5.86	5.88	5.92	5.94	5.97	5.98	5.99	6.00	6.02	6.06	6.10	6.11	6.12
120	6.80	5.91	5.91	5.91	5.90	5.92	6.00	6.11	6.28	6.48	6.72	6.98	7.26	7.53	7.80	8.07	8.28	8.40	8.43
130	6.80	5.92	5.93	5.95	6.00	6.11	6.32	6.68	7.18	7.81	8.58	9.41	10.3	11.2	11.9	12.6	13.2	13.5	13.6
140	6.80	5.93	5.97	6.01	6.13	6.40	6.89	7.66	8.71	10.0	11.5	13.1	14.8	16.4	17.7	18.9	19.8	20.4	20.6
150	6.80	5.94	5.99	6.08	6.31	6.80	7.65	8.92	10.6	12.7	15.0	17.4	19.8	22.0	24.0	25.5	26.7	27.5	27.8
160	6.80	5.95	6.01	6.15	6.50	7.21	8.42	10.2	12.5	15.2	18.1	21.2	24.2	26.9	29.3	31.1	32.4	33.2	33.5
170	6.80	5.96	6.04	6.21	6.66	7.54	9.03	11.2	13.9	17.1	20.5	23.9	27.3	30.2	32.8	34.8	36.4	37.0	37.3
180	6.80	5.96	6.05	6.25	6.75	7.70	9.31	11.6	14.5	17.9	21.5	25.1	28.7	31.8	34.5	36.8	38.4	39.6	38.7

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2019-03-13

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:3.120A P:74.89W PF:1.000 Lamp Flux:4852.13x1 lm																	
NAME: L2881-72W-36-W-AFC50-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	39.4	38.4	37.0	35.2	33.0	30.4	27.5	24.4	21.3	18.4	15.8	13.7	12.0	10.9	10.1	9.62	9.30	9.19
-170	37.3	36.6	35.7	34.1	32.1	29.5	26.7	23.7	20.8	18.0	15.5	13.5	11.9	10.8	10.1	9.61	9.30	9.19
-160	33.8	33.5	32.5	31.0	29.2	26.9	24.5	21.9	19.3	16.8	14.7	13.0	11.6	10.7	10.0	9.58	9.28	9.19
-150	28.9	28.7	27.8	26.5	24.9	23.0	21.1	19.0	17.1	15.2	13.6	12.2	11.2	10.4	9.90	9.53	9.26	9.19
-140	22.9	22.7	22.1	21.2	20.0	18.7	17.3	15.9	14.6	13.4	12.3	11.4	10.7	10.2	9.76	9.47	9.24	9.19
-130	17.1	17.0	16.7	16.2	15.5	14.8	14.0	13.2	12.4	11.7	11.2	10.7	10.2	9.89	9.61	9.40	9.22	9.19
-120	12.8	12.8	12.7	12.5	12.2	11.9	11.5	11.1	10.8	10.5	10.3	10.0	9.86	9.65	9.47	9.32	9.19	9.19
-110	10.3	10.4	10.4	10.4	10.3	10.2	10.1	9.94	9.82	9.75	9.67	9.60	9.54	9.44	9.33	9.24	9.16	9.19
-100	9.27	9.33	9.37	9.41	9.41	9.38	9.35	9.31	9.27	9.28	9.29	9.29	9.29	9.26	9.21	9.17	9.16	9.19
-90	8.81	8.87	8.93	8.99	9.04	9.07	9.10	9.13	9.16	9.21	9.27	9.33	9.38	9.39	9.34	9.29	9.24	9.19
-80	12.1	12.1	12.0	11.9	11.9	11.8	11.8	11.7	11.6	11.8	11.8	11.7	11.6	11.6	11.5	11.3	10.8	9.19
-70	42.8	41.6	39.4	36.3	32.5	28.2	24.0	20.1	17.8	18.8	19.9	19.9	17.4	14.6	14.1	12.6	11.6	9.19
-60	129	126	120	112	102	89.8	77.0	64.1	53.5	44.3	36.0	30.6	28.2	25.5	18.2	15.3	12.3	9.19
-50	302	291	272	247	218	188	159	131	107	85.7	67.4	52.2	39.5	33.4	27.9	17.1	13.0	9.19
-40	739	694	623	536	448	364	291	229	179	137	104	78.0	57.1	40.8	35.0	21.2	13.7	9.19
-30	1888	1726	1480	1198	927	696	514	376	275	200	144	105	74.8	51.2	38.9	26.8	14.9	9.19
-20	3842	3526	2994	2361	1762	1238	843	568	387	266	184	129	90.5	61.4	42.1	31.6	16.1	9.19
-10	5283	4948	4396	3605	2682	1833	1187	755	487	321	214	147	102	68.8	45.3	35.0	16.9	9.19
0	5687	5402	4886	4086	3084	2117	1353	842	532	344	227	155	108	72.7	47.3	36.9	17.4	9.19
10	5063	4768	4226	3458	2590	1796	1171	745	481	316	212	145	101	68.1	44.8	34.7	16.8	9.19
20	3862	3509	3028	2412	1777	1237	830	553	377	259	178	126	88.4	60.0	41.1	31.0	15.8	9.19
30	2022	1819	1551	1254	966	715	518	372	266	190	138	100	71.9	49.3	37.4	26.0	14.5	9.19
40	809	746	659	564	467	374	294	227	174	131	98.0	73.4	53.7	38.4	33.1	20.2	13.2	9.19
50	323	307	282	253	221	189	157	129	104	82.0	63.4	48.0	35.8	30.4	25.7	16.0	12.4	9.19
60	134	129	121	112	101	88.7	75.9	62.9	51.7	41.9	33.0	27.0	24.0	22.1	16.2	13.9	11.5	9.19
70	43.3	41.7	39.2	35.8	31.9	27.4	22.8	18.6	16.0	16.0	16.4	15.9	13.6	11.7	11.8	11.1	10.8	9.19
80	9.40	9.36	9.28	9.16	9.04	8.93	8.77	8.57	8.38	8.46	8.31	8.13	7.92	8.31	9.06	9.65	9.96	9.19
90	5.71	5.68	5.65	5.63	5.61	5.61	5.61	5.60	5.60	5.65	5.70	5.74	5.79	6.19	6.94	7.69	8.44	9.19
100	5.69	5.64	5.60	5.56	5.54	5.54	5.54	5.54	5.53	5.51	5.49	5.47	5.45	5.91	6.73	7.53	8.36	9.19
110	6.05	5.98	5.88	5.78	5.75	5.71	5.68	5.65	5.62	5.56	5.52	5.48	5.45	6.08	6.88	7.64	8.38	9.19
120	8.33	8.14	7.88	7.54	7.26	6.96	6.67	6.39	6.12	5.88	5.71	5.57	5.57	6.38	7.12	7.81	8.46	9.19
130	13.4	12.9	12.3	11.6	10.8	9.92	9.04	8.19	7.41	6.75	6.22	5.85	6.19	6.83	7.46	8.04	8.57	9.19
140	20.2	19.4	18.3	17.2	15.8	14.2	12.6	11.0	9.50	8.20	7.13	6.85	7.10	7.47	7.89	8.30	8.69	9.19
150	27.0	25.9	24.6	23.0	21.1	18.9	16.6	14.2	12.0	9.98	9.05	8.51	8.26	8.26	8.40	8.61	8.83	9.19
160	32.3	31.0	29.7	27.9	25.5	22.9	20.0	17.2	15.1	13.2	11.6	10.4	9.56	9.13	8.96	8.94	8.99	9.19
170	35.3	34.4	32.7	30.7	28.6	26.5	24.0	21.3	18.6	16.1	13.9	12.1	10.9	10.0	9.55	9.29	9.15	9.19
180	39.4	38.4	37.0	35.2	33.0	30.4	27.5	24.4	21.3	18.4	15.8	13.7	12.0	10.9	10.1	9.62	9.30	9.19

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2019-03-13

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: