

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	2304.2 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	70.3V x 69.6H
	At 50% of Imax	30.0V x 29.7H
	At 90% of Imax	8.1V x 10.5H

Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	832.5 lumens per klm.
	To 50% of Imax	338.8 lumens per klm.
	To 90% of Imax	38.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

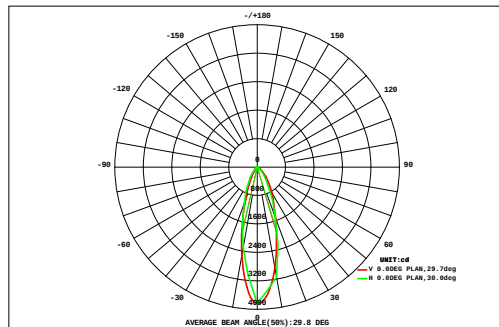
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2024-01-17

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.0V I:0.1390A P:34.90W PF:0.9065 Lamp Flux:1662.2x1 lm		
NAME: 8.01.016.0044 30°LWW-PZT-W38A-L12-DMX-G	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024010081
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:47.63lm/W	
MODEL:W-PZT-W38A-L12-DMX		Imax(cd)	3830
NOMINAL POWER(W)	34	AVAILABILITY(%)	83.4
RATED VOLTAGE(V)	276	Avai. FLUX(lm)	1386
NOMINAL FLUX(lm)	1662.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1662
TEST VOLTAGE(V)	277.0	θ @50%(H,V)	30,30DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm			Φ t	Φ a
	72	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.00	0.00	0.00	0.17	0.00	
	64	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.29	0.41	0.48	0.47	0.37	0.23	0.06	0.00	0.00	0.00	2.49	0.00	
	56	0.00	0.00	0.00	0.02	0.18	0.43	0.78	1.17	1.52	1.74	1.75	1.52	1.12	0.65	0.27	0.04	0.00	11.2	0.00	
	48	0.00	0.00	0.01	0.15	0.51	1.07	1.78	2.59	3.37	3.89	3.93	3.44	2.58	1.61	0.78	0.23	0.02	0.00	26.0	0.00
	40	0.00	0.00	0.07	0.42	1.04	2.02	3.36	5.03	6.65	7.67	7.61	6.46	4.69	2.92	1.48	0.53	0.07	0.00	50.0	14.1
	32	0.00	0.00	0.19	0.70	1.64	3.24	5.80	9.30	12.8	14.6	13.9	11.1	7.67	4.61	2.36	0.92	0.18	0.00	89.0	68.8
	24	0.00	0.02	0.29	0.96	2.25	4.77	9.76	17.9	26.1	28.8	25.0	18.0	11.5	6.62	3.32	1.32	0.32	0.01	157	142
		0.00	0.03	0.35	1.11	2.66	5.98	13.7	29.4	47.9	52.3	40.3	25.2	15.0	8.37	4.13	1.67	0.44	0.02	248	235
		0.00	0.04	0.39	1.22	2.91	6.76	16.4	37.4	63.4	68.9	50.2	29.2	16.7	9.21	4.49	1.82	0.49	0.03	310	297
		0.00	0.06	0.43	1.27	2.99	6.99	17.1	38.4	62.9	65.5	46.4	27.1	15.7	8.66	4.21	1.68	0.43	0.02	300	287
		0.00	0.04	0.36	1.11	2.56	5.58	12.2	23.8	35.5	38.3	31.3	21.4	13.3	7.51	3.71	1.50	0.39	0.02	199	184
	-24	0.00	0.02	0.26	0.85	1.94	3.94	7.65	13.2	18.6	21.2	19.7	15.2	10.1	5.94	3.03	1.22	0.30	0.01	123	106
	-32	0.00	0.00	0.15	0.60	1.39	2.68	4.75	7.47	10.1	11.6	11.6	9.67	6.85	4.16	2.18	0.88	0.19	0.00	74.2	51.2
	-40	0.00	0.00	0.07	0.37	0.91	1.71	2.78	3.99	5.18	6.05	6.17	5.40	4.03	2.51	1.32	0.50	0.07	0.00	41.1	1.42
	-48	0.00	0.00	0.01	0.16	0.51	0.98	1.59	2.16	2.65	2.97	3.00	2.69	2.05	1.29	0.63	0.16	0.01	0.00	20.9	0.00
-56	0.00	0.00	0.00	0.01	0.15	0.38	0.63	0.89	1.11	1.24	1.25	1.10	0.84	0.51	0.21	0.04	0.00	0.00	8.35	0.00	
-64	0.00	0.00	0.00	0.00	0.01	0.04	0.12	0.23	0.32	0.37	0.37	0.31	0.21	0.10	0.05	0.01	0.00	0.00	2.14	0.00	
-72	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.06	0.06	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.29	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)				16	24	32	40	48	56	64	72	
Φ t	0.00	0.22	2.59	8.94	21.6	46.6	98.7	193	298	326	263	178	113	64.7	32.2	12.5	2.93	0.11	1662	---	
Φ a	0.00	0.00	0.00	0.00	0.00	13.7	75.4	173	280	305	243	160	93.7	40.9	2.25	0.00	0.00	0.00	---	1386	

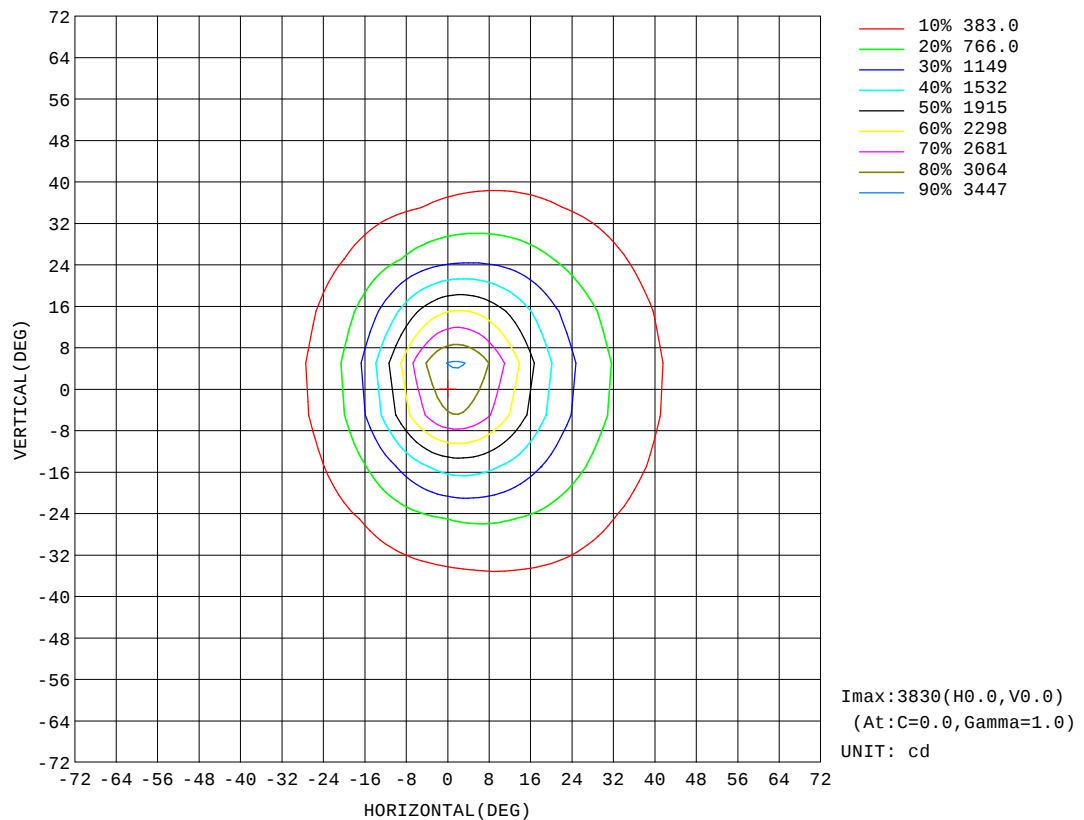
one-half-peak spread: U:13.1,D:17.2 , L:13.4, Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2024-01-17

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:277.0V I:0.1390A P:34.90W PF:0.9065 Lamp Flux:1662.2x1 lm		
NAME: 8.01.016.0044 30°LWW-PZT-W38A-L12-DMX-G	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024010081
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

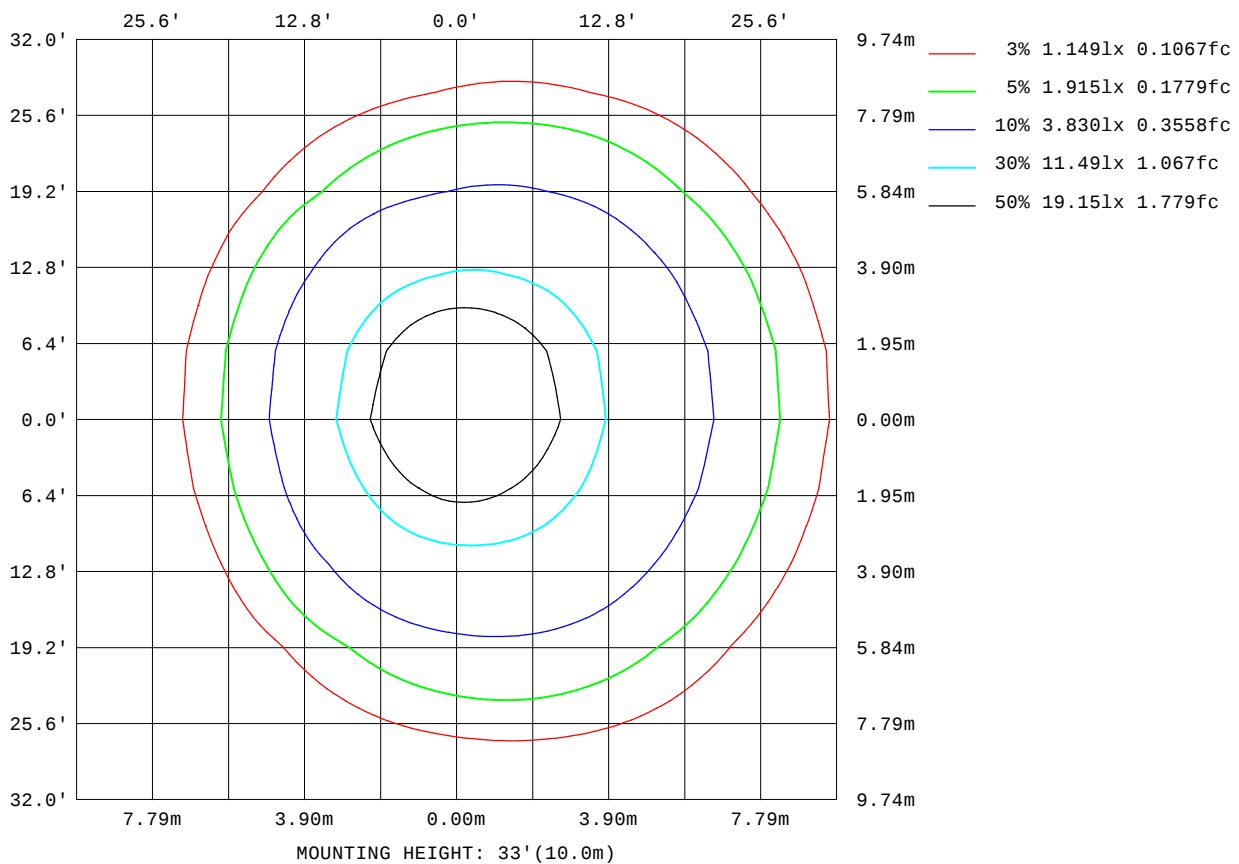


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators: QC1
Test Date: 2024-01-17

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity: 61%
Test Distance: 8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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NAME: 8.01.016.0044 30°LWW-PZT-W38A-L12-DMX-G	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024010081
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

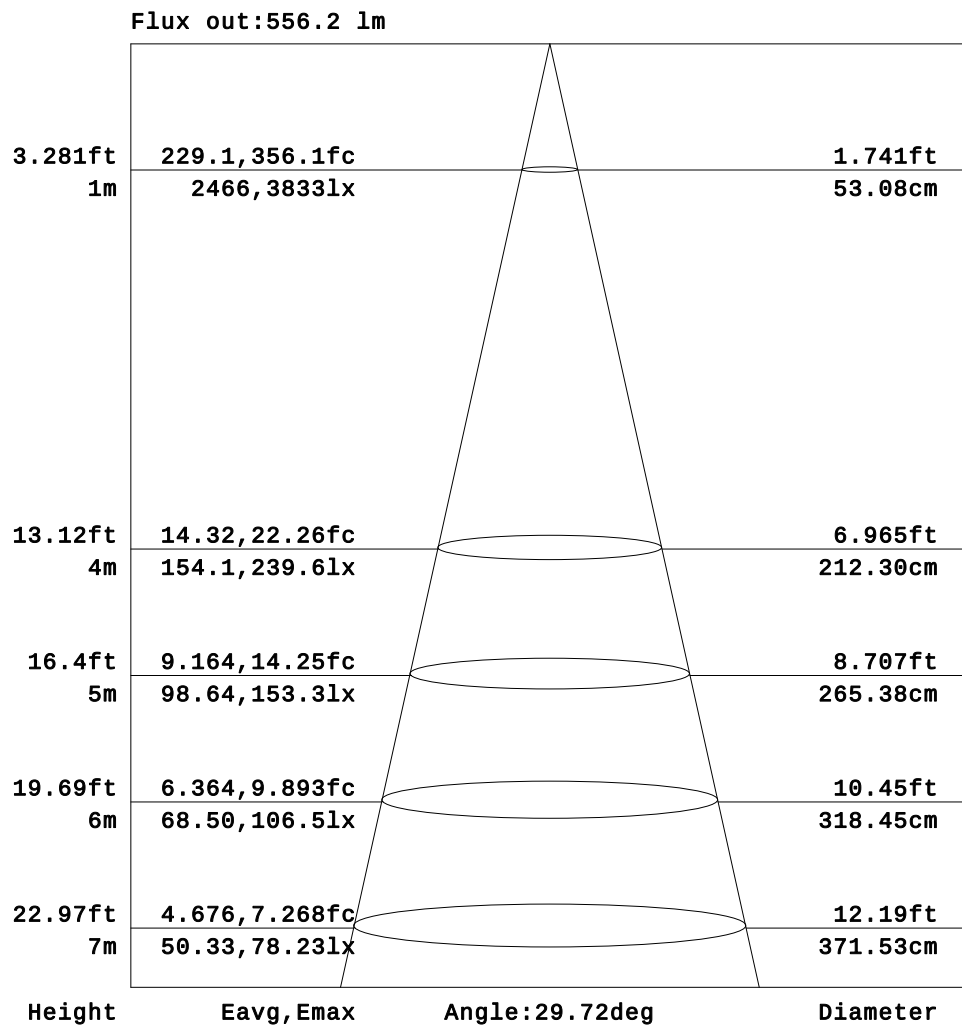


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2024-01-17

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:277.0V I:0.1390A P:34.90W PF:0.9065 Lamp Flux:1662.2x1 lm		
NAME: 8.01.016.0044 30°LWW-PZT-W38A-L12-DMX-G	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024010081
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

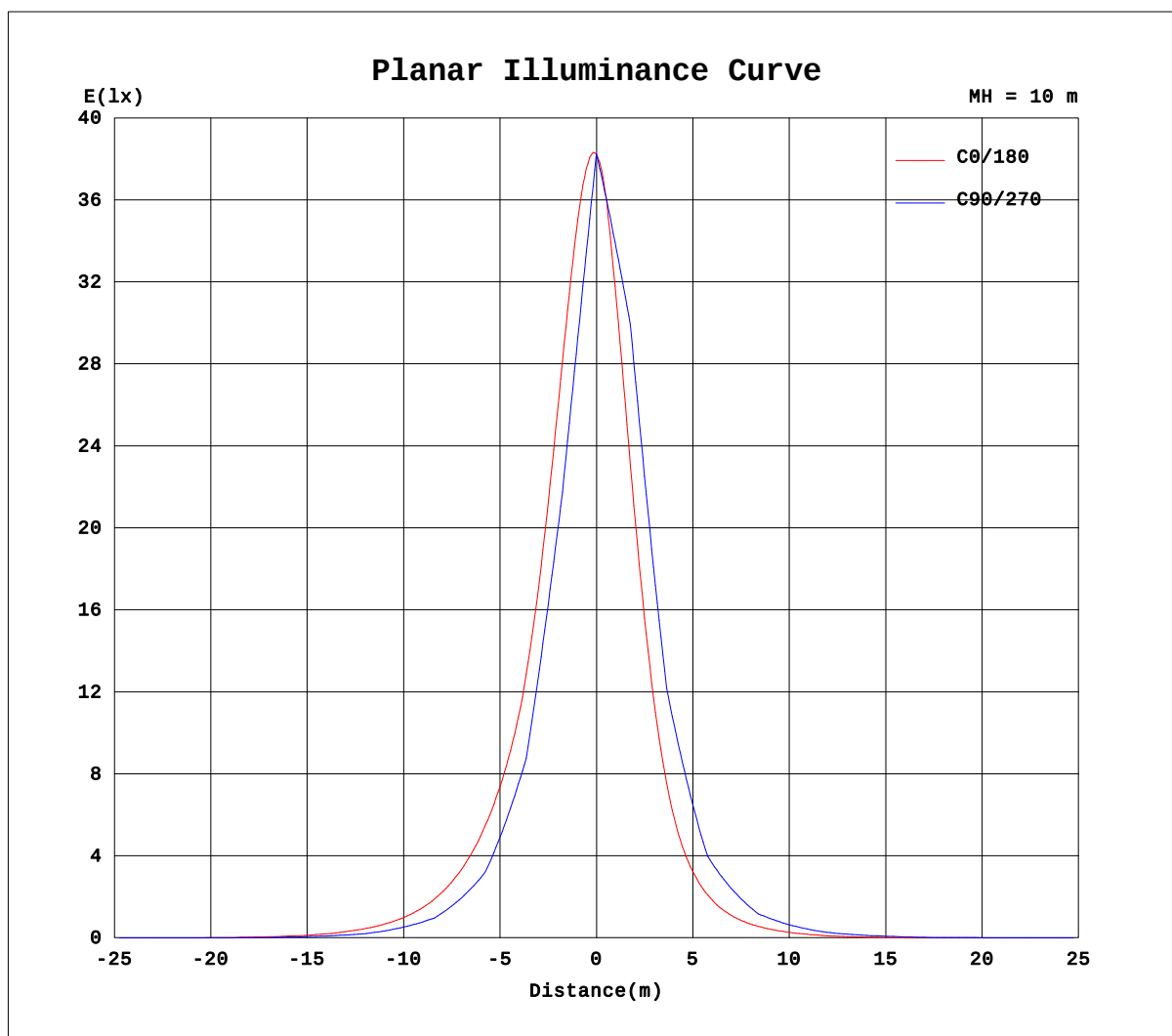


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2024-01-17

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



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Test Speed: HIGH
Temperature: 27.1DEG
Operators: QC1
Test Date: 2024-01-17

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity: 61%
Test Distance: 8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.0V I:0.1390A P:34.90W PF:0.9065 Lamp Flux:1662.2x1 lm		
NAME: 8.01.016.0044 30°LWW-PZT-W38A-L12-DMX-G	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024010081
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	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	
-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	
-85	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	
-80	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	
-75	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	
-70	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	
-65	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	0.79	2.70	4.56	6.28	7.74	8.90	
-60	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	2.35	6.17	9.84	13.2	16.0	18.1	
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.77	7.37	12.3	18.2	25.5	32.6	39.4	45.5	50.5	
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	7.20	16.6	26.6	37.0	47.6	58.2	68.1	77.3	84.3	
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	6.62	16.5	29.9	44.7	61.6	80.8	99.7	119	136	151	
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.85	15.7	30.7	48.9	69.1	93.6	122	149	176	201	222	
-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	8.79	22.7	41.3	64.3	91.8	127	169	216	267	315	354	
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.13	17.7	36.4	60.3	89.9	127	175	234	304	377	446	499	
-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.03	20.8	41.8	69.7	106	154	223	317	435	565	685	770	
-20	0.00	0.00	0.00	0.00	0.00	0.00	0.33	12.9	31.3	57.3	91.8	139	205	304	443	617	804	965	1064	
-15	0.00	0.00	0.00	0.00	0.00	0.00	0.51	12.5	31.6	59.1	96.2	148	225	345	535	809	1142	1461	1657	
-10	0.00	0.00	0.00	0.00	0.00	0.00	3.27	18.7	41.5	74.2	118	184	285	450	723	1128	1615	2062	2284	
-5	0.00	0.00	0.00	0.00	0.00	0.00	1.65	16.4	38.4	70.7	115	180	284	457	761	1257	1919	2607	3034	
0	0.00	0.00	0.00	0.00	0.00	0.00	4.83	21.7	46.5	82.7	134	211	340	559	964	1630	2507	3386	3830	
5	0.00	0.00	0.00	0.00	0.00	0.00	1.66	16.6	39.1	72.3	119	187	298	483	815	1371	2135	2951	3458	
10	0.00	0.00	0.00	0.00	0.00	0.00	3.34	19.3	43.0	77.9	126	200	316	510	849	1390	2099	2796	3140	
15	0.00	0.00	0.00	0.00	0.00	0.00	0.52	13.2	33.6	63.5	105	164	253	398	634	1001	1484	1980	2286	
20	0.00	0.00	0.00	0.00	0.00	0.00	0.73	14.0	34.4	63.7	104	158	238	362	543	790	1077	1329	1478	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.88	23.1	46.2	78.3	120	179	265	385	544	733	910	1033	
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.31	19.9	40.2	67.6	103	150	208	283	371	465	552	618	
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	10.4	25.7	46.4	73.2	107	149	200	259	323	384	434	
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.34	18.7	34.9	55.4	80.0	108	139	172	207	240	267	
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	7.96	19.0	33.4	50.9	70.8	92.6	116	140	163	183	
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	8.39	17.9	29.3	42.1	55.8	69.6	83.1	95.5	106	
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	3.37	7.92	13.4	21.4	30.3	39.5	48.4	56.6	63.6	
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	4.17	8.56	13.0	17.2	20.8	23.5	
65	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	1.66	3.84	6.05	8.20	10.1	11.5	
70	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	
75	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	
80	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	
85	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	
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	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
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Temperature:27.1DEG
Operators:QC1
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V(B) Range:-80 - 80DEG
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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: 8.01.016.0044 30°LWW-PZT-W38A-L12-DMX-G	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024010081
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	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
-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
-85	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
-80	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
-75	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
-70	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
-65	9.46	9.52	8.90	7.68	5.92	3.77	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	19.0	18.9	17.4	14.7	11.0	6.61	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	53.6	54.8	53.4	49.5	43.4	35.5	26.2	17.6	10.1	3.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-50	89.1	90.6	88.2	82.1	72.9	60.8	46.9	32.2	17.3	4.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-45	161	166	163	153	137	114	89.6	65.8	43.0	22.4	7.77	0.35	0.00	0.00	0.00	0.00	0.00	0.00
-40	236	241	234	218	192	158	123	90.2	59.8	32.8	12.0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-35	380	387	373	341	297	244	189	140	96.9	59.7	29.7	8.24	0.00	0.00	0.00	0.00	0.00	0.00
-30	530	531	501	449	381	307	234	172	118	73.3	37.4	11.4	0.00	0.00	0.00	0.00	0.00	0.00
-25	808	796	738	647	538	429	326	238	165	104	57.4	23.2	2.26	0.00	0.00	0.00	0.00	0.00
-20	1090	1045	943	804	652	508	379	272	186	114	61.7	24.4	1.29	0.00	0.00	0.00	0.00	0.00
-15	1667	1524	1299	1054	833	640	476	341	232	147	83.3	37.5	7.85	0.00	0.00	0.00	0.00	0.00
-10	2208	1920	1555	1212	932	702	513	362	241	151	83.8	36.4	6.39	0.00	0.00	0.00	0.00	0.00
-5	2950	2504	1944	1442	1075	807	590	415	279	178	101	47.0	12.3	0.00	0.00	0.00	0.00	0.00
0	3557	2869	2115	1500	1100	817	590	409	273	170	93.0	41.0	8.23	0.00	0.00	0.00	0.00	0.00
5	3352	2813	2138	1544	1132	845	615	431	290	183	104	48.5	12.8	0.00	0.00	0.00	0.00	0.00
10	2982	2493	1901	1390	1036	772	559	390	258	161	88.8	38.8	7.25	0.00	0.00	0.00	0.00	0.00
15	2271	2003	1620	1243	948	719	528	374	253	160	89.6	40.6	8.92	0.00	0.00	0.00	0.00	0.00
20	1486	1371	1182	964	760	583	430	305	206	126	67.6	27.0	1.79	0.00	0.00	0.00	0.00	0.00
25	1072	1027	922	780	633	497	375	271	186	117	63.3	25.9	2.81	0.00	0.00	0.00	0.00	0.00
30	653	651	610	537	450	361	275	200	136	82.4	41.7	13.0	0.00	0.00	0.00	0.00	0.00	0.00
35	465	471	452	408	349	286	222	163	111	67.8	33.8	9.63	0.00	0.00	0.00	0.00	0.00	0.00
40	284	289	279	257	224	185	145	105	68.3	38.0	14.7	0.04	0.00	0.00	0.00	0.00	0.00	0.00
45	197	202	197	183	162	135	106	76.1	49.2	26.3	9.40	0.71	0.00	0.00	0.00	0.00	0.00	0.00
50	112	114	111	102	89.0	72.5	54.3	36.3	20.2	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	68.2	69.7	67.8	62.6	54.4	43.9	32.0	20.0	11.6	4.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	25.0	25.0	23.2	20.2	15.9	10.7	4.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	12.4	12.6	11.9	10.4	8.43	5.90	3.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	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
75	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
80	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
85	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
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2024-01-17

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.300m [K=1.0000]
Remarks: