

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

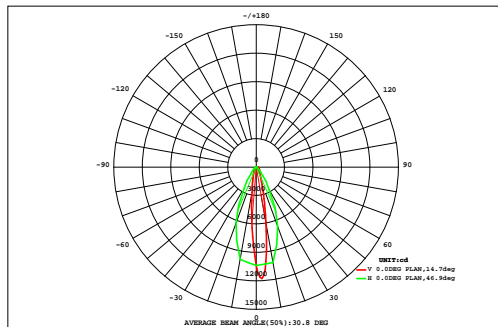
Maximum Intensity (Luminaire orientation as tested.)		2902.2 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	76.8V x 41.9H 45.9V x 14.7H 25.0V x 5.1H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	999.6 lumens per klm. 722.9 lumens per klm. 353.0 lumens per klm. 90.2 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-29

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

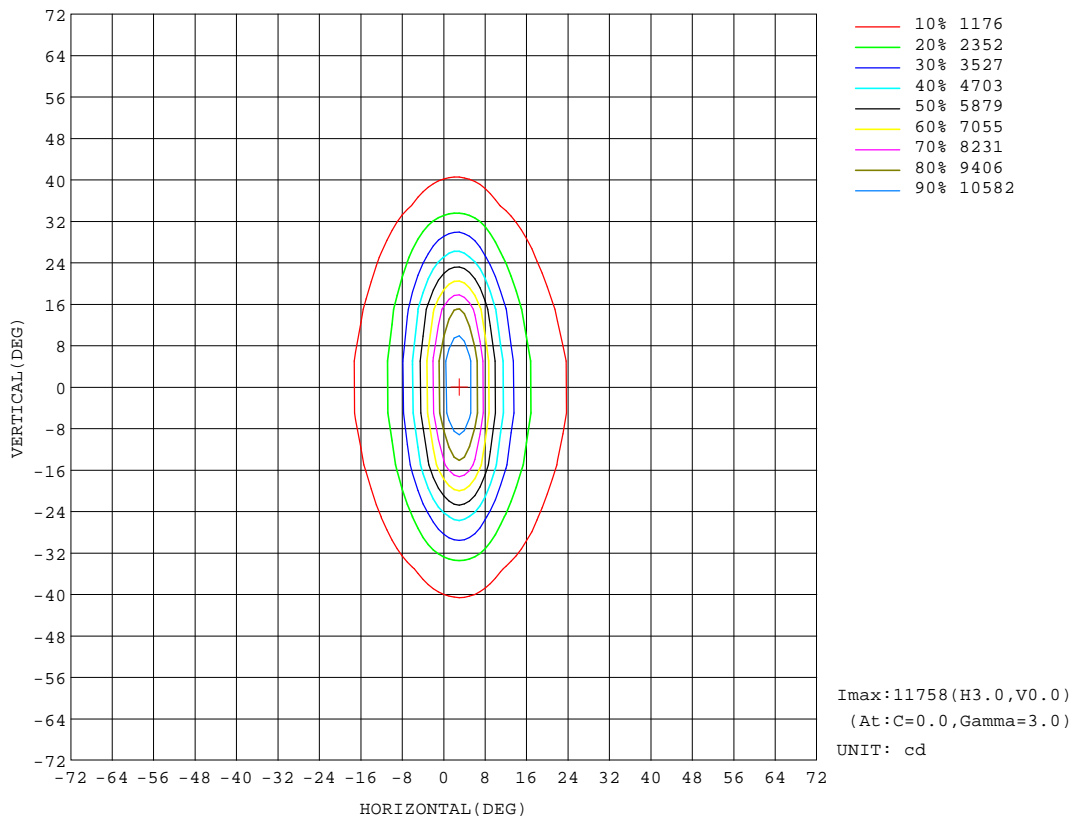
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.3V I:0.1659A P:35.93W PF:0.9783 Lamp Flux:4051.44x1 lm		
NAME: 8.01.016.0091 20x40° LWW-PZT-W38A-L12-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024080126
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



ISOCANDELA DIAGRAM

Test:U:221.3V I:0.1659A P:35.93W PF:0.9783 Lamp Flux:4051.44x1 lm		
NAME: 8.01.016.0091 20x40° LWW-PZT-W38A-L12-DIM	TYPE:LED	WEIGHT:
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MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

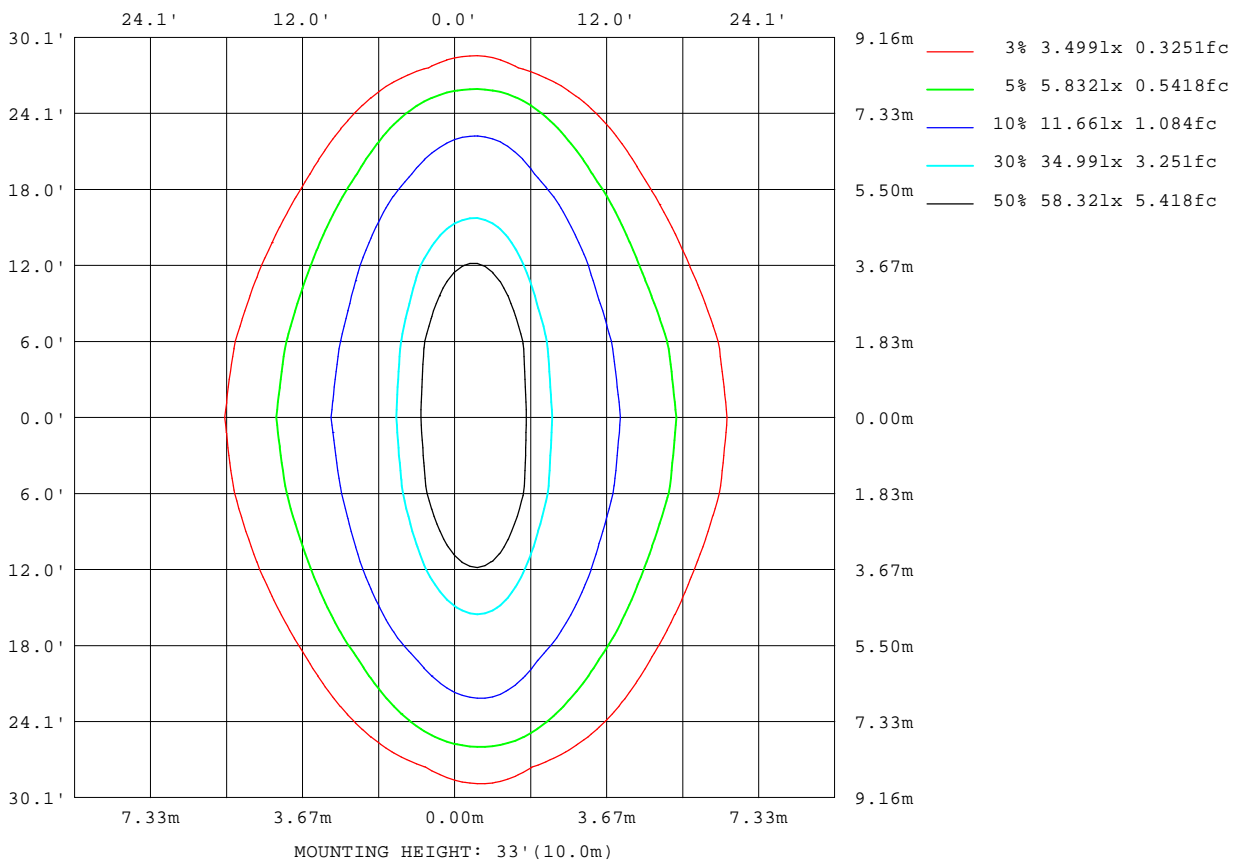


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:28.0DEG
 Operators:QC1
 Test Date:2024-08-29

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:83%
 Test Distance:8.300m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:221.3V I:0.1659A P:35.93W PF:0.9783 Lamp Flux:4051.44x1 lm		
NAME: 8.01.016.0091 20x40° LWW-PZT-W38A-L12-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024080126
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



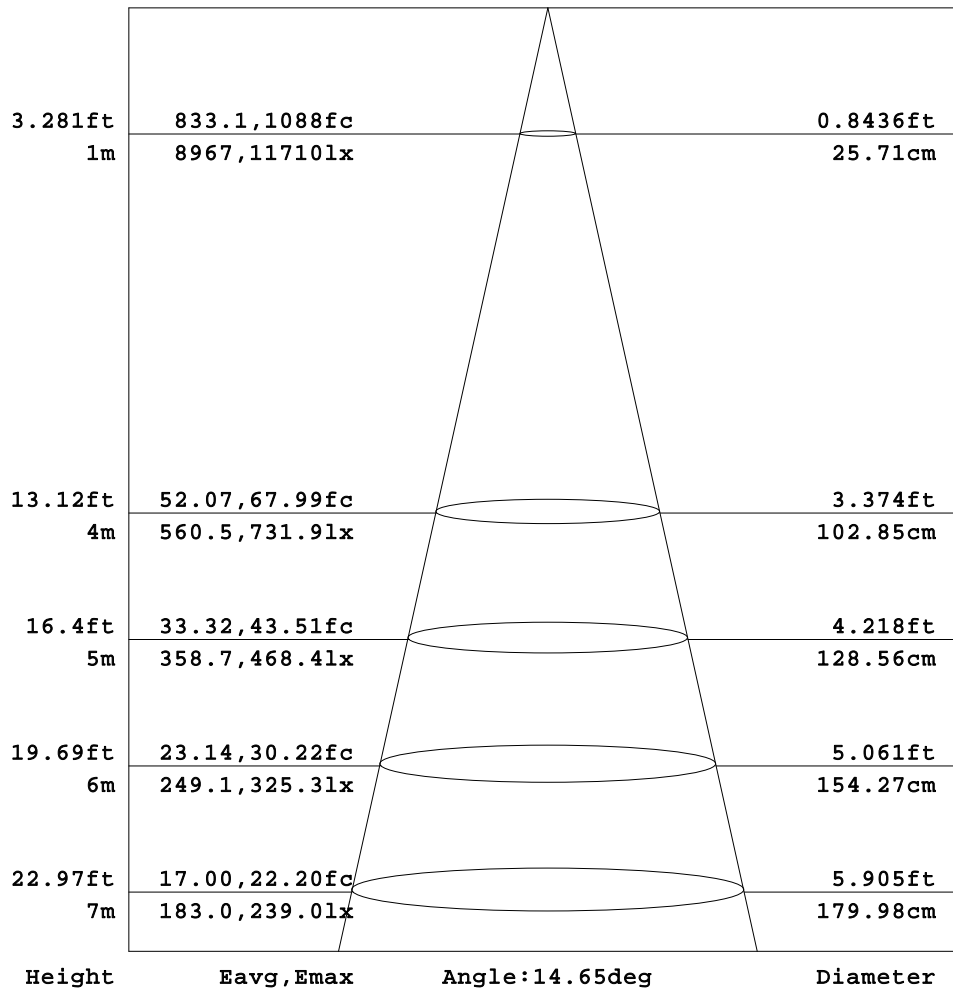
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-29

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:221.3V I:0.1659A P:35.93W PF:0.9783 Lamp Flux:4051.44x1 lm		
NAME: 8.01.016.0091 20x40° LWW-PZT-W38A-L12-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024080126
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Flux out:488.3 lm

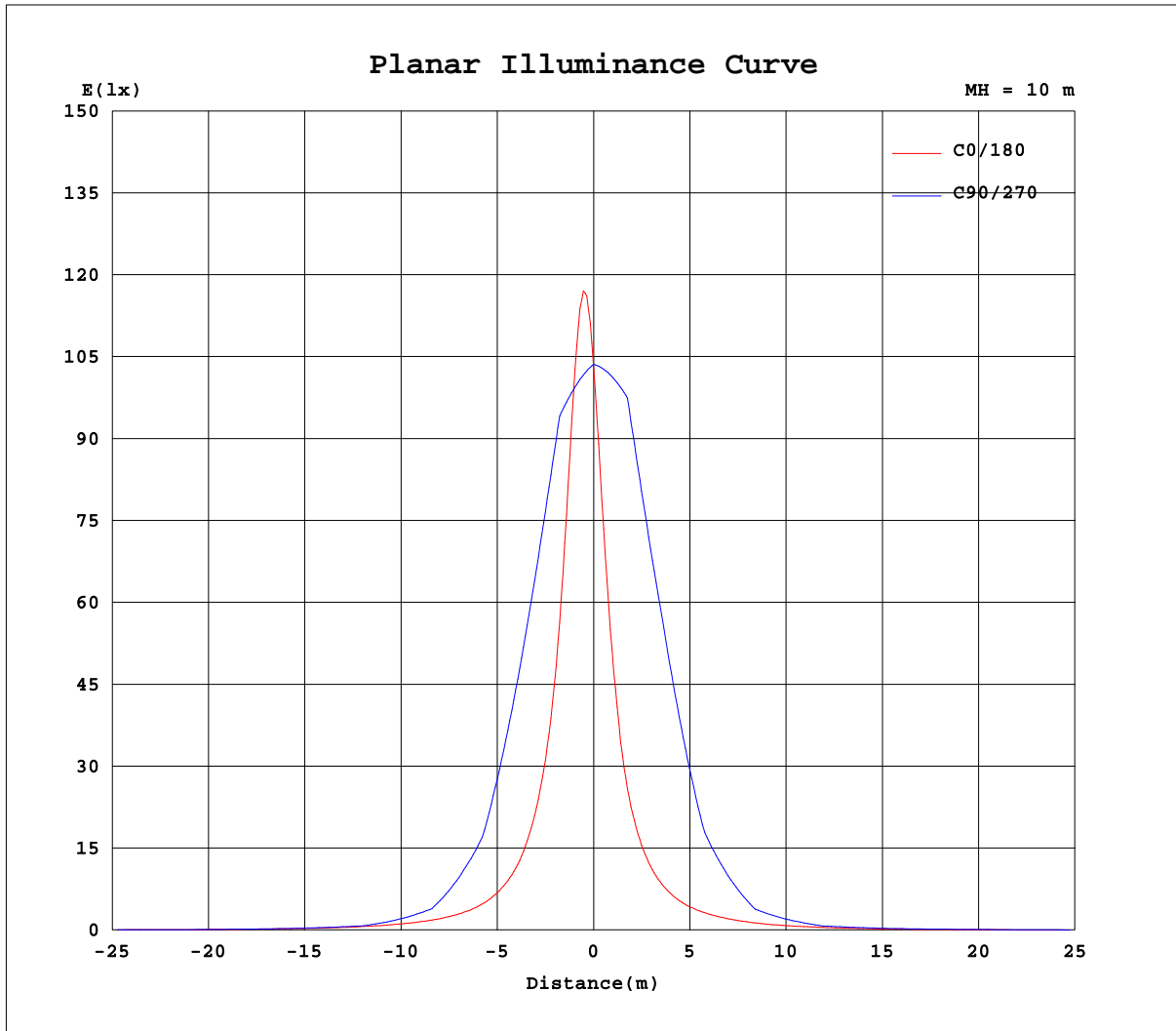


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-29

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
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Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-29

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.3V I:0.1659A P:35.93W PF:0.9783 Lamp Flux:4051.44x1 lm		
NAME: 8.01.016.0091 20x40° LWW-PZT-W38A-L12-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024080126
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: x10cd

H(DEG) V(DEG)	-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	0.15	0.46	0.70
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.65	1.18	1.72	2.26	2.75	3.21	3.66	4.09	4.55	4.90
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	1.31	2.36	3.45	4.52	5.51	6.42	7.33	8.03	8.64	9.10
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.03	2.16	3.88	5.43	6.93	8.26	9.51	10.7	11.7	12.6	13.3	13.8
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.34	2.06	4.20	6.46	8.50	10.4	12.0	13.5	15.0	16.2	17.1	18.0	18.6
-55	0.00	0.00	0.00	0.00	0.00	0.35	1.60	3.88	6.47	8.80	11.2	13.5	15.7	17.5	19.2	20.8	22.3	23.9	25.0
-50	0.00	0.00	0.00	0.00	0.00	0.70	2.85	5.69	8.74	11.1	13.9	16.6	19.4	21.6	23.5	25.4	27.6	29.7	31.4
-45	0.00	0.00	0.00	0.00	0.08	1.65	4.40	7.55	10.6	13.3	16.3	19.3	22.5	25.7	29.7	34.8	41.7	51.0	60.0
-40	0.00	0.00	0.00	0.00	0.16	2.60	5.94	9.42	12.5	15.6	18.8	22.0	25.6	29.9	36.0	44.1	55.8	72.3	88.7
-35	0.00	0.00	0.00	0.00	0.85	3.87	7.23	10.6	14.1	17.4	20.9	24.7	29.3	35.1	44.0	58.2	82.4	125	176
-30	0.00	0.00	0.00	0.00	1.54	5.14	8.53	11.8	15.6	19.2	23.0	27.5	33.0	40.3	52.0	72.3	109	177	263
-25	0.00	0.00	0.00	0.03	2.30	5.79	9.44	12.9	16.7	20.5	24.8	30.1	36.8	46.0	61.3	89.7	146	267	444
-20	0.00	0.00	0.00	0.05	3.06	6.44	10.3	14.0	17.8	21.8	26.5	32.7	40.7	51.7	70.7	107	184	357	625
-15	0.00	0.00	0.00	0.19	3.35	6.90	10.8	14.6	18.5	22.8	27.9	34.6	43.6	56.5	79.1	122	215	436	806
-10	0.00	0.00	0.00	0.33	3.63	7.36	11.2	15.1	19.3	23.7	29.2	36.5	46.5	61.4	87.5	137	245	516	986
-5	0.00	0.00	0.00	0.45	3.77	7.54	11.4	15.3	19.4	23.9	29.6	37.4	47.9	63.9	92.3	145	258	537	1011
0	0.00	0.00	0.00	0.58	3.91	7.72	11.6	15.5	19.5	24.1	29.9	38.2	49.4	66.5	97.1	154	271	558	1037
5	0.00	0.00	0.00	0.49	3.75	7.49	11.3	15.2	19.3	23.7	29.4	37.2	47.7	63.9	92.7	147	262	548	1028
10	0.00	0.00	0.00	0.40	3.59	7.27	11.1	14.9	19.0	23.3	28.8	36.1	46.1	61.3	88.2	139	253	537	1020
15	0.00	0.00	0.00	0.25	3.31	6.89	10.6	14.3	18.2	22.3	27.3	33.8	42.8	56.0	79.3	124	224	467	845
20	0.00	0.00	0.00	0.11	3.04	6.51	10.1	13.8	17.4	21.3	25.8	31.6	39.6	50.7	70.4	109	195	396	670
25	0.00	0.00	0.00	0.05	2.52	5.79	9.26	12.8	16.3	19.9	23.9	28.9	35.5	44.7	60.4	90.7	155	293	473
30	0.00	0.00	0.00	0.00	2.00	5.08	8.41	11.8	15.1	18.5	22.0	26.2	31.5	38.6	50.5	72.1	114	190	275
35	0.00	0.00	0.00	0.00	1.43	4.24	7.35	10.6	13.7	16.8	19.8	23.4	27.6	33.1	41.9	56.8	83.8	131	181
40	0.00	0.00	0.00	0.00	0.86	3.40	6.29	9.35	12.3	15.0	17.6	20.5	23.8	27.7	33.3	41.6	53.8	71.3	86.2
45	0.00	0.00	0.00	0.00	0.43	2.37	4.93	7.71	10.4	13.0	15.4	17.9	20.6	23.6	27.4	32.6	40.0	49.8	58.1
50	0.00	0.00	0.00	0.00	0.00	1.34	3.57	6.08	8.55	10.9	13.2	15.3	17.4	19.4	21.5	23.7	26.1	28.4	30.1
55	0.00	0.00	0.00	0.00	0.00	0.67	2.20	4.32	6.47	8.58	10.6	12.5	14.3	16.0	17.6	19.2	20.9	22.5	23.6
60	0.00	0.00	0.00	0.00	0.00	0.00	0.84	2.56	4.39	6.25	8.02	9.64	11.1	12.5	13.7	14.7	15.7	16.6	17.1
65	0.00	0.00	0.00	0.00	0.00	0.00	0.42	1.28	2.32	3.72	5.09	6.39	7.61	8.76	9.80	10.7	11.5	12.2	12.7
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.19	2.16	3.15	4.12	5.05	5.91	6.68	7.34	7.91	8.32
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.59	1.08	1.57	2.06	2.53	2.95	3.34	3.72	4.14	4.44
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	0.10	0.37	0.56
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
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-29

V(β) Range:-80 - 80DEG
V(β) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: 8.01.016.0091 20x40° LWW-PZT-W38A-L12-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024080126
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: x10cd

H(DEG) V(DEG)	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	0.84	0.87	0.84	0.78	0.67	0.52	0.33	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	5.07	5.05	4.93	4.72	4.44	4.06	3.60	3.07	2.54	2.03	1.35	0.74	0.24	0.00	0.00	0.00	0.00	0.00
-70	9.30	9.23	9.01	8.67	8.20	7.60	6.87	6.02	5.07	4.07	2.70	1.48	0.49	0.00	0.00	0.00	0.00	0.00
-65	14.0	13.8	13.4	12.9	12.3	11.4	10.5	9.37	8.12	6.76	4.97	3.08	1.66	0.63	0.00	0.00	0.00	0.00
-60	18.8	18.4	17.8	17.2	16.3	15.3	14.1	12.7	11.2	9.46	7.24	4.68	2.83	1.26	0.00	0.00	0.00	0.00
-55	25.2	24.5	23.3	22.0	20.6	19.2	17.7	15.9	13.9	11.8	9.39	6.57	4.01	2.08	0.47	0.00	0.00	0.00
-50	31.7	30.6	28.8	26.8	24.9	23.1	21.3	19.1	16.6	14.1	11.5	8.45	5.20	2.90	0.93	0.00	0.00	0.00
-45	60.9	52.6	43.9	37.2	31.9	27.9	24.7	21.7	18.8	16.1	13.2	10.1	6.63	3.65	1.34	0.00	0.00	0.00
-40	90.2	74.6	59.0	47.5	38.8	32.7	28.2	24.3	21.0	18.0	14.8	11.7	8.07	4.41	1.76	0.00	0.00	0.00
-35	183	133	89.9	64.0	48.3	38.6	32.2	27.0	23.0	19.5	16.2	12.9	9.32	5.62	2.27	0.03	0.00	0.00
-30	276	191	121	80.5	57.7	44.5	36.2	29.8	25.0	21.1	17.5	14.1	10.6	6.84	2.79	0.05	0.00	0.00
-25	468	289	164	100	68.2	50.8	40.3	32.7	27.0	22.5	18.6	14.8	11.2	7.42	3.53	0.31	0.00	0.00
-20	660	388	207	120	78.8	57.1	44.4	35.6	28.9	23.9	19.6	15.6	11.8	8.01	4.26	0.57	0.00	0.00
-15	867	483	244	140	90.1	63.4	48.0	37.9	30.2	24.6	20.1	16.0	12.2	8.31	4.48	0.86	0.00	0.00
-10	1074	579	282	160	101	69.7	51.6	40.2	31.6	25.4	20.7	16.5	12.6	8.62	4.69	1.15	0.00	0.00
-5	1079	585	293	167	105	71.9	53.0	40.9	32.1	25.8	20.9	16.6	12.6	8.64	4.69	1.12	0.00	0.00
0	1085	590	304	174	109	74.1	54.3	41.6	32.7	26.2	21.1	16.7	12.6	8.66	4.69	1.10	0.00	0.00
5	1081	579	290	165	104	71.4	52.7	40.7	32.0	25.7	20.8	16.5	12.5	8.53	4.61	1.06	0.00	0.00
10	1077	567	276	156	99.2	68.6	51.1	39.8	31.3	25.2	20.4	16.2	12.3	8.40	4.53	1.02	0.00	0.00
15	873	473	237	135	87.2	61.7	47.0	37.2	29.7	24.1	19.7	15.6	11.8	7.97	4.21	0.84	0.00	0.00
20	669	379	198	115	75.2	54.8	42.9	34.5	28.1	23.1	19.0	14.9	11.2	7.53	3.88	0.65	0.00	0.00
25	472	282	156	94.7	64.4	48.3	38.6	31.5	26.0	21.6	17.8	14.1	10.5	6.98	3.50	0.46	0.00	0.00
30	275	184	114	74.8	53.7	41.8	34.3	28.5	24.0	20.1	16.7	13.3	9.84	6.43	3.11	0.27	0.00	0.00
35	180	127	83.8	58.8	44.4	35.9	30.1	25.5	21.8	18.4	15.2	12.0	8.79	5.59	2.53	0.14	0.00	0.00
40	85.1	69.1	53.9	42.9	35.2	29.9	26.0	22.6	19.6	16.6	13.7	10.7	7.74	4.75	1.95	0.00	0.00	0.00
45	57.7	49.0	40.5	34.0	29.1	25.4	22.5	19.8	17.2	14.7	12.0	9.28	6.55	3.84	1.36	0.00	0.00	0.00
50	30.2	28.9	27.1	25.0	22.9	20.9	19.0	17.0	14.9	12.7	10.3	7.82	5.36	2.93	0.78	0.00	0.00	0.00
55	23.8	23.0	21.8	20.5	19.1	17.6	15.9	14.2	12.3	10.3	8.27	6.12	3.99	1.94	0.39	0.00	0.00	0.00
60	17.3	17.0	16.6	16.0	15.3	14.2	12.9	11.3	9.72	8.01	6.23	4.42	2.63	0.96	0.00	0.00	0.00	0.00
65	12.9	12.7	12.4	11.9	11.3	10.5	9.49	8.32	7.03	5.65	4.23	2.80	1.40	0.48	0.00	0.00	0.00	0.00
70	8.45	8.36	8.16	7.84	7.38	6.79	6.09	5.30	4.34	3.29	2.22	1.18	0.16	0.00	0.00	0.00	0.00	0.00
75	4.55	4.51	4.37	4.16	3.86	3.47	3.05	2.65	2.17	1.64	1.11	0.59	0.08	0.00	0.00	0.00	0.00	0.00
80	0.65	0.65	0.58	0.49	0.34	0.15	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:28.0DEG
Operators:QC1
Test Date:2024-08-29

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: