

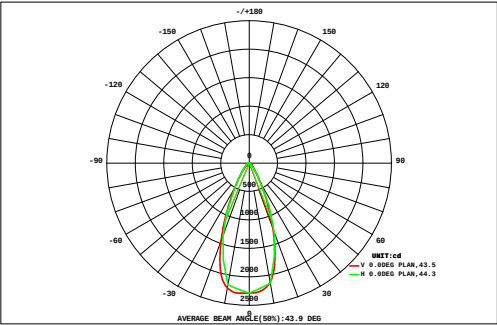
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		1626.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	74.7V x 73.3H
	At 50% of Imax	44.3V x 43.5H
	At 90% of Imax	23.1V x 24.7H
Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	869.1 lumens per klm.
	To 50% of Imax	551.3 lumens per klm.
	To 90% of Imax	194.6 lumens per klm.
Upward LOR		0.0 %
Downward LOR		100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.9V I:0.1784A P:28.60W PF:0.5749 Freq:50.00Hz Lamp Flux:1408.26x1 lm		
NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2025070092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:49.23lm/W	
MODEL SP-PZT-R135-6P-RDM	Imax(cd)	2290	
NOMINAL POWER(W)	29	AVAILABILITY(%)	86.9
RATED VOLTAGE(V)	277	Avai. FLUX(lm)	1224
NOMINAL FLUX(lm)	1408.26	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1408
TEST VOLTAGE(V)	277	θ @50%(H,V)	43,44DEG

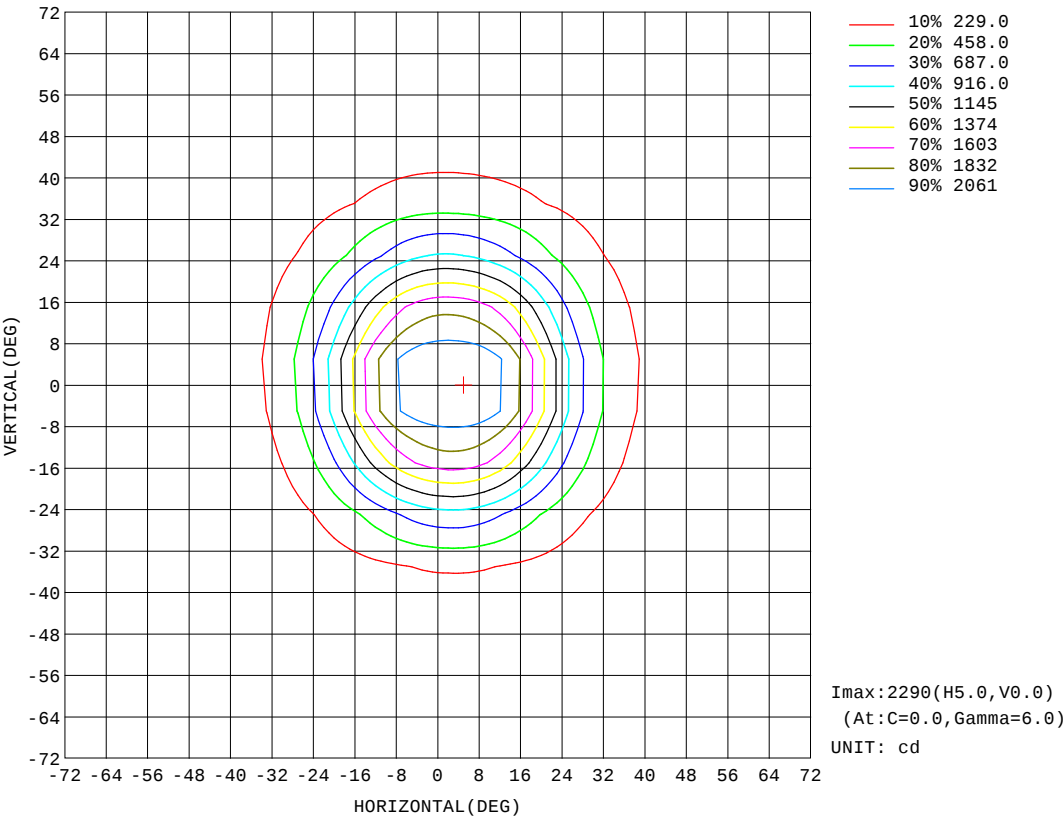
AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a	
VERTICAL (DEG)	72	0.00	0.00	0.00	0.00	0.02	0.09	0.22	0.34	0.43	0.47	0.45	0.38	0.27	0.15	0.04	0.01	0.00	0.00	2.85	0.00
	64	0.00	0.00	0.00	0.08	0.28	0.51	0.72	0.90	1.01	1.05	0.99	0.88	0.71	0.50	0.29	0.10	0.00	0.00	8.02	0.00
	56	0.00	0.00	0.07	0.26	0.58	0.92	1.26	1.55	1.71	1.75	1.65	1.44	1.17	0.86	0.54	0.26	0.07	0.00	14.1	0.00
	48	0.00	0.02	0.17	0.49	0.93	1.43	2.00	2.52	2.87	2.92	2.69	2.27	1.76	1.26	0.80	0.42	0.15	0.01	22.7	0.00
	40	0.00	0.06	0.31	0.75	1.35	2.16	3.23	4.43	5.39	5.49	4.79	3.69	2.61	1.73	1.06	0.55	0.21	0.03	37.8	13.7
	32	0.00	0.12	0.42	0.96	1.83	3.27	5.53	8.58	11.2	11.5	9.44	6.50	4.02	2.37	1.35	0.69	0.28	0.05	68.1	55.3
	24	0.00	0.15	0.51	1.17	2.44	5.08	10.2	18.0	24.9	25.8	20.6	12.9	6.61	3.28	1.66	0.81	0.34	0.07	135	125
		0.00	0.17	0.56	1.28	2.94	7.08	16.1	28.6	37.4	38.8	33.4	21.3	10.1	4.31	1.96	0.90	0.38	0.09	205	197
		0.01	0.18	0.58	1.34	3.19	8.45	20.3	35.9	44.3	45.2	40.8	27.0	12.4	4.94	2.08	0.91	0.38	0.09	248	240
		0.01	0.18	0.59	1.35	3.20	8.85	21.6	36.8	43.4	44.1	40.2	26.5	12.0	4.65	1.89	0.83	0.34	0.06	247	239
		0.00	0.12	0.50	1.16	2.53	6.48	16.2	29.6	38.4	39.9	33.9	21.2	9.79	3.89	1.66	0.76	0.30	0.05	206	198
	-24	0.00	0.07	0.35	0.88	1.80	3.82	8.48	15.8	22.9	24.7	19.8	12.0	6.01	2.82	1.33	0.62	0.22	0.03	122	112
-32	0.00	0.02	0.22	0.59	1.17	2.21	4.16	7.05	9.95	10.9	8.92	5.78	3.33	1.81	0.93	0.44	0.15	0.01	57.6	44.1	
-40	0.00	0.01	0.11	0.35	0.69	1.16	1.71	2.29	2.68	2.78	2.53	2.10	1.57	1.00	0.56	0.26	0.07	0.00	19.9	0.86	
-48	0.00	0.00	0.03	0.18	0.38	0.60	0.80	0.99	1.18	1.22	1.15	0.98	0.73	0.49	0.28	0.11	0.01	0.00	9.12	0.00	
-56	0.00	0.00	0.00	0.02	0.15	0.28	0.38	0.47	0.52	0.55	0.53	0.47	0.37	0.24	0.11	0.03	0.00	0.00	4.11	0.00	
-64	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.09	0.11	0.12	0.11	0.09	0.06	0.04	0.02	0.01	0.00	0.00	0.75	0.00	
-72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)					16	24	32	40	48	56	64	72
Φ t	0.02	1.10	4.43	10.9	23.5	52.4	113	194	248	257	222	145	73.5	34.3	16.6	7.71	2.90	0.49	1408	---	
Φ a	0.00	0.00	0.00	0.00	3.79	37.9	101	182	236	245	209	134	59.6	16.3	0.00	0.00	0.00	0.00	---	1224	

one-half-peak spread: U:21.8,D:22.8 , L:25.8,R:17.9 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:28.0DEG
 Operators:QC1
 Test Date:2025-07-31
 V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:83%
 Test Distance:8.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.9V I:0.1784A P:28.60W PF:0.5749 Freq:50.00Hz Lamp Flux:1408.26x1 lm		
NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2025070092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

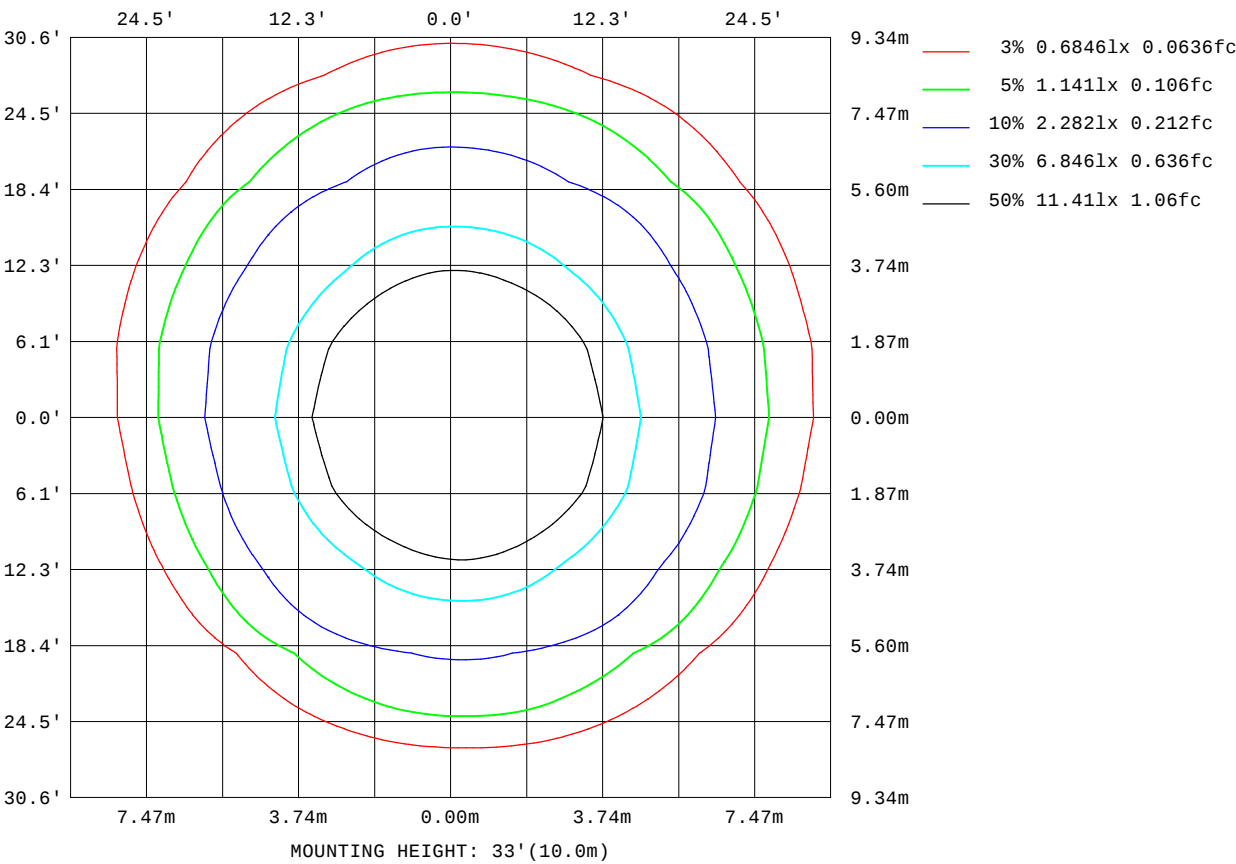


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2025-07-31

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

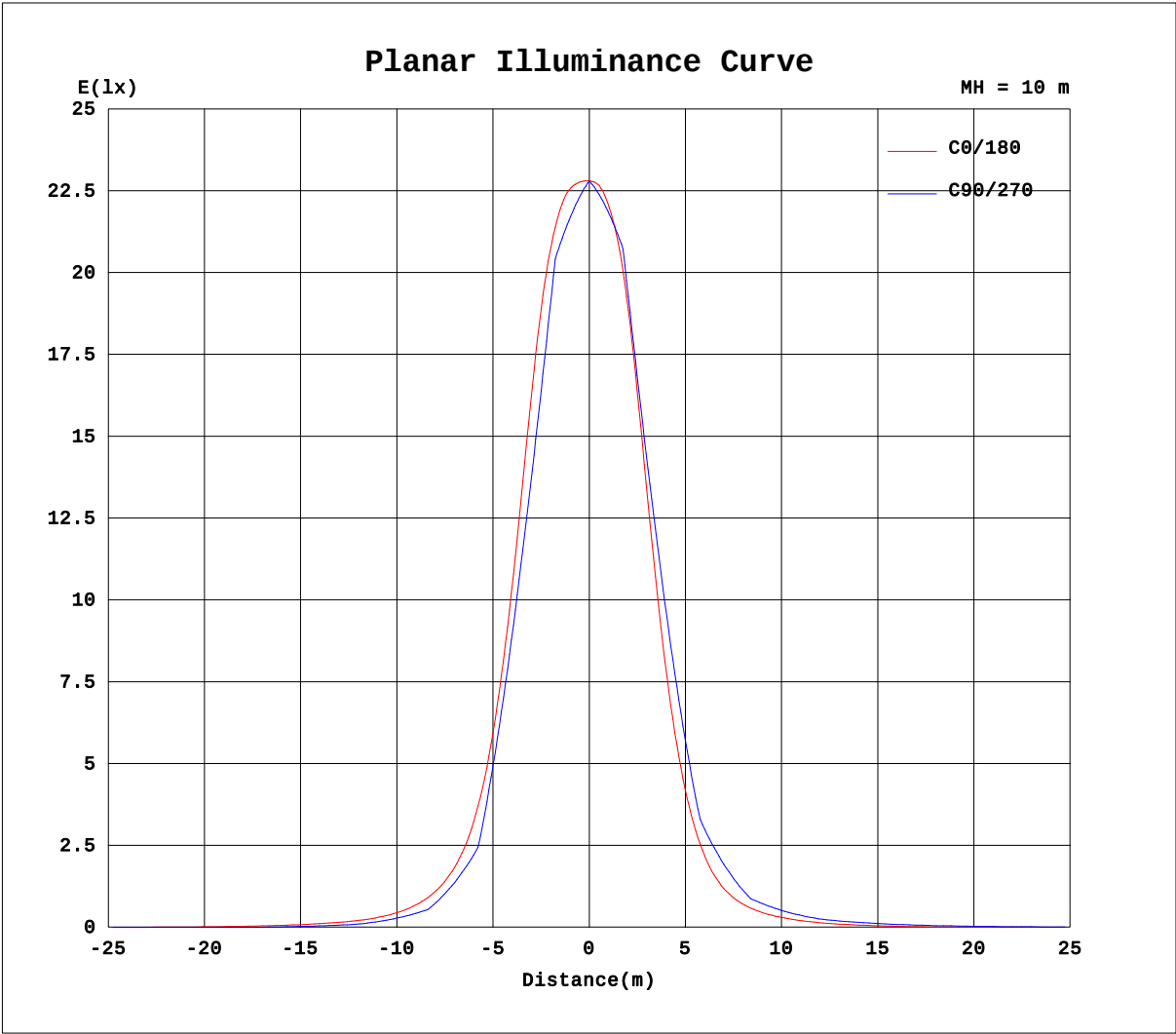
Test:U:277.9V I:0.1784A P:28.60W PF:0.5749 Freq:50.00Hz Lamp Flux:1408.26x1 lm		
NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2025070092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2025-07-31

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve

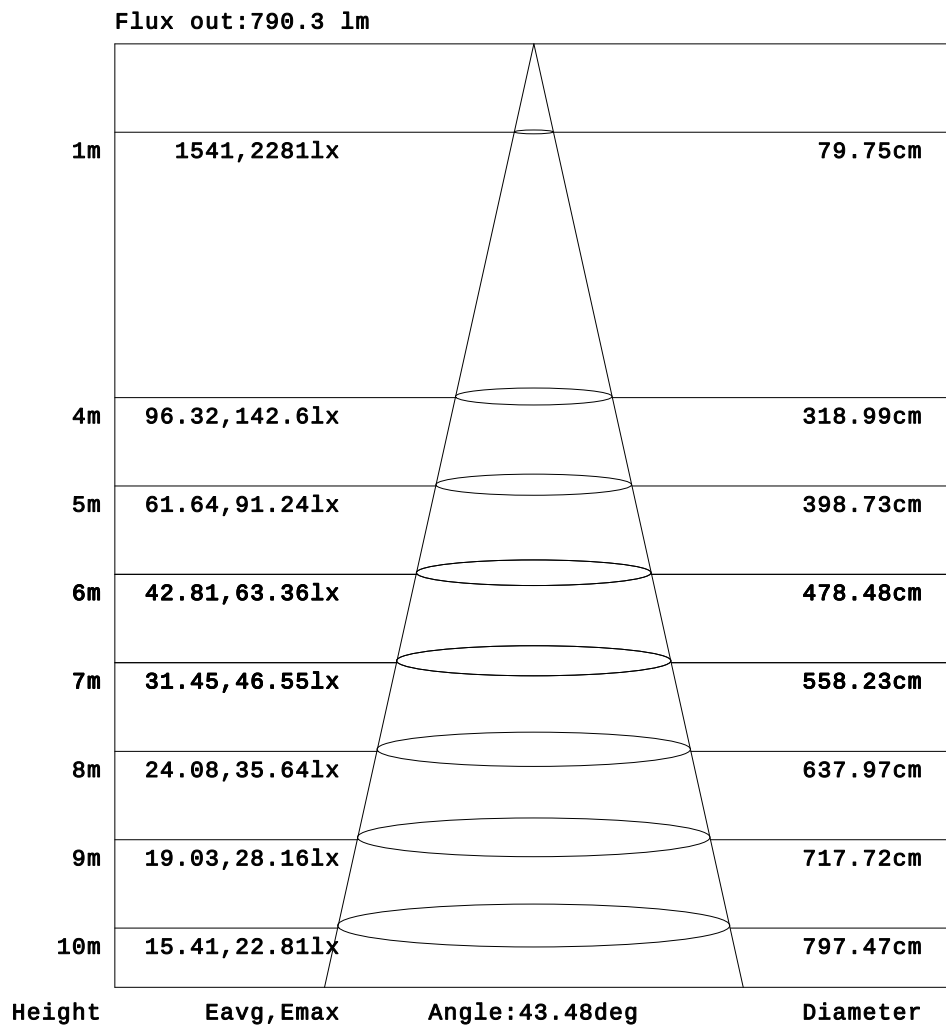


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2025-07-31

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:277.9V I:0.1784A P:28.60W PF:0.5749 Freq:50.00Hz Lamp Flux:1408.26x1 lm		
NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2025070092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding 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:28.0DEG
Operators:QC1
Test Date:2025-07-31

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.9V I:0.1784A P:28.60W PF:0.5749 Freq:50.00Hz Lamp Flux:1408.26x1 lm		
NAME: 8.03.035.0003 45° SP-PZT-R135-6P-RDM	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2025070092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding 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	0.00	0.00	0.88	1.85	2.16	2.21
-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	0.00	0.00	2.22	3.92	4.38	4.40
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	6.62	9.59	11.6	13.8	16.8	19.8	21.6	22.5
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	7.62	14.5	20.0	24.1	28.4	32.7	36.5	39.4	40.7
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	3.38	7.89	15.6	23.5	31.6	39.4	47.9	57.0	67.0	76.1	80.9
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	8.42	17.6	26.8	35.7	46.3	57.9	70.8	85.1	101	115	122
-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.91	13.5	24.5	36.2	50.3	68.7	91.9	123	159	198	231	249
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.48	10.1	22.7	36.1	50.6	71.5	99.7	137	188	249	308	356	378
-25	0.00	0.00	0.00	0.00	0.00	0.00	2.57	13.1	27.4	44.3	64.6	93.1	136	206	316	455	607	744	826
-20	0.00	0.00	0.00	0.00	0.00	0.00	7.52	21.5	38.4	60.0	88.2	129	196	314	495	720	967	1175	1288
-15	0.00	0.00	0.00	0.00	0.00	0.00	7.95	23.0	41.2	64.2	95.2	144	231	397	664	1002	1337	1581	1704
-10	0.00	0.00	0.00	0.00	0.00	0.85	13.6	31.2	52.4	79.2	118	186	318	571	960	1422	1827	2054	2143
-5	0.00	0.00	0.00	0.00	0.00	0.63	13.2	30.7	51.4	78.1	118	187	326	586	993	1488	1913	2133	2207
0	0.00	0.00	0.00	0.00	0.00	3.80	19.1	37.9	59.9	90.3	138	230	416	740	1216	1747	2123	2260	2281
5	0.00	0.00	0.00	0.00	0.00	1.37	16.1	33.6	54.6	82.4	126	204	354	619	1023	1512	1935	2157	2223
10	0.00	0.00	0.00	0.00	0.00	4.11	19.7	37.3	58.8	88.6	137	224	377	636	1019	1470	1870	2100	2172
15	0.00	0.00	0.00	0.00	0.00	1.09	15.3	31.2	51.2	76.8	117	180	286	464	731	1069	1409	1655	1761
20	0.00	0.00	0.00	0.00	0.00	2.80	16.9	32.5	52.3	78.2	116	170	254	384	569	811	1068	1274	1361
25	0.00	0.00	0.00	0.00	0.00	0.34	11.5	24.9	42.4	64.1	94.0	133	190	274	391	542	711	857	930
30	0.00	0.00	0.00	0.00	0.00	0.02	11.1	23.6	40.2	60.7	85.7	115	154	206	267	340	419	483	507
35	0.00	0.00	0.00	0.00	0.00	0.00	5.67	16.4	30.2	47.6	68.5	90.9	118	154	194	240	289	331	351
40	0.00	0.00	0.00	0.00	0.00	0.00	4.47	14.2	26.6	42.4	60.0	76.8	95.4	117	139	160	179	192	197
45	0.00	0.00	0.00	0.00	0.00	0.00	1.26	7.09	16.9	29.4	44.4	58.8	73.2	89.2	105	121	134	144	148
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.53	11.8	22.2	34.7	46.4	57.2	67.9	78.4	87.2	93.6	98.1	100.0
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	5.02	11.6	21.1	31.3	40.6	49.1	57.5	64.9	70.6	74.5	76.7
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50	11.7	20.0	27.4	33.8	39.8	45.3	49.4	52.1	53.8
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	5.06	9.21	13.2	18.7	23.5	27.8	31.4	34.2	35.9
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	1.36	5.53	8.96	11.9	14.7	17.1	18.6
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	0.23	2.38	4.17	5.68	7.07	8.33	9.19
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
 Test Speed: HIGH
 Temperature:28.0DEG
 Operators:QC1
 Test Date:2025-07-31

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
 Humidity:83%
 Test Distance:8.300m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:	DIM.:	SERIAL No.:2025070092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--2		UNIT: cd																	
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	0.00	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	2.15	2.00	1.76	1.38	0.81	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-60	4.27	3.92	3.38	2.57	1.35	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-55	23.0	22.4	21.1	19.3	16.8	13.7	10.9	8.06	5.41	2.92	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-50	41.5	40.4	38.0	35.1	31.2	26.2	20.6	15.0	9.81	4.90	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-45	82.3	79.4	73.3	64.7	55.1	45.2	35.9	27.4	19.7	12.6	6.00	1.71	0.00	0.00	0.00	0.00	0.00	0.00	
-40	123	116	105	90.6	75.0	60.3	47.6	36.5	26.7	17.6	9.31	2.12	0.00	0.00	0.00	0.00	0.00	0.00	
-35	251	235	203	168	134	104	77.9	57.5	41.8	28.8	17.7	8.30	1.71	0.00	0.00	0.00	0.00	0.00	
-30	376	344	287	232	181	135	99.2	71.7	51.4	35.2	22.1	11.1	1.71	0.00	0.00	0.00	0.00	0.00	
-25	830	749	605	451	316	217	149	102	71.6	49.6	32.4	18.2	6.62	0.01	0.00	0.00	0.00	0.00	
-20	1265	1104	861	612	406	267	177	119	82.0	56.6	36.7	20.2	7.51	0.00	0.00	0.00	0.00	0.00	
-15	1711	1586	1323	978	648	402	245	155	102	69.7	47.0	28.5	13.2	1.43	0.00	0.00	0.00	0.00	
-10	2129	1985	1653	1204	776	461	269	165	107	72.6	49.5	30.1	13.4	0.85	0.00	0.00	0.00	0.00	
-5	2214	2139	1885	1428	939	559	325	197	125	82.6	56.3	36.2	18.6	3.91	0.00	0.00	0.00	0.00	
0	2290	2226	1958	1450	927	542	317	194	122	80.2	54.6	34.9	17.2	2.42	0.00	0.00	0.00	0.00	
5	2224	2150	1898	1434	941	563	335	207	133	87.9	59.4	39.0	21.4	5.71	0.00	0.00	0.00	0.00	
10	2147	2008	1678	1214	780	472	287	185	123	81.9	55.5	35.8	18.8	3.59	0.00	0.00	0.00	0.00	
15	1746	1621	1368	1019	680	429	273	180	123	84.1	57.1	37.4	20.7	5.64	0.00	0.00	0.00	0.00	
20	1314	1155	927	680	464	311	212	148	106	73.6	50.1	31.9	16.2	2.16	0.00	0.00	0.00	0.00	
25	914	823	682	522	377	266	190	138	101	72.4	49.8	32.1	17.0	3.43	0.00	0.00	0.00	0.00	
30	489	441	374	302	239	186	143	111	83.7	61.2	41.9	25.9	12.1	0.39	0.00	0.00	0.00	0.00	
35	345	319	280	235	193	156	125	98.5	76.4	56.9	39.2	24.2	11.3	1.01	0.00	0.00	0.00	0.00	
40	193	183	168	151	132	113	94.5	77.3	61.0	45.1	30.1	17.1	5.63	0.00	0.00	0.00	0.00	0.00	
45	147	142	133	121	108	94.4	80.4	66.5	52.9	39.4	26.2	14.4	4.16	0.00	0.00	0.00	0.00	0.00	
50	99.6	97.2	92.7	86.3	78.9	70.3	60.6	50.3	39.5	28.3	17.2	7.33	0.00	0.00	0.00	0.00	0.00	0.00	
55	77.0	75.5	72.5	67.9	62.4	55.9	48.2	39.8	30.9	21.4	12.0	4.63	0.25	0.00	0.00	0.00	0.00	0.00	
60	54.0	52.7	50.5	47.6	43.6	38.5	32.5	25.7	18.5	10.7	3.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
65	36.7	36.2	34.7	32.5	29.5	25.5	21.0	15.8	10.1	6.14	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
70	19.3	19.1	18.0	16.3	13.9	10.9	7.48	3.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
75	9.65	9.61	9.15	8.35	7.22	5.75	4.10	2.18	0.10	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:28.0DEG
Operators:QC1
Test Date:2025-07-31

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: