

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	424.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	142.9V x 152.2H
	At 50% of Imax	97.8V x 100.3H
	At 90% of Imax	42.7V x 42.9H

Beam Flux	Total	998.7 lumens per klm.
	To 10% of Imax	977.8 lumens per klm.
	To 50% of Imax	696.1 lumens per klm.
	To 90% of Imax	169.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

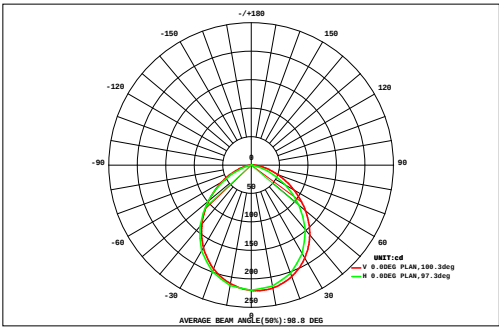
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-21

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:241.5V I:0.0617A P:7.756W PF:0.5202 Lamp Flux:520.163x1 lm		
NAME: 8.02.003.0405 LLS-COVE1-W40-L3-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500083
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:67.07lm/W	
MODELLS-COVE1-W40-L3-DIM	Imax(cd)	220.9	
NOMINAL POWER(W)	8	AVAILABILITY(%)	98.1
RATED VOLTAGE(V)	242	Avai. FLUX(lm)	510.5
NOMINAL FLUX(lm)	520.163	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	520.2
TEST VOLTAGE(V)	241.5	θ @50%(H,V)	100, 98DEG

AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
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	0.00
80	0.00	0.00	0.01	0.05	0.10	0.17	0.23	0.29	0.34	0.42	0.49	0.52	0.50	0.42	0.31	0.19	0.08	0.02	4.13	1.75
70	0.00	0.01	0.07	0.23	0.46	0.73	1.00	1.23	1.42	1.52	1.50	1.37	1.14	0.85	0.56	0.30	0.12	0.02	12.5	11.6
60	0.00	0.03	0.18	0.47	0.88	1.36	1.86	2.29	2.60	2.72	2.63	2.33	1.87	1.35	0.85	0.44	0.16	0.02	22.0	21.6
50	0.00	0.06	0.28	0.71	1.31	2.04	2.77	3.39	3.81	3.95	3.77	3.30	2.63	1.87	1.15	0.58	0.20	0.03	31.9	31.6
40	0.00	0.08	0.38	0.94	1.74	2.68	3.61	4.39	4.88	5.01	4.76	4.16	3.31	2.34	1.42	0.70	0.24	0.03	40.7	40.5
30	0.00	0.11	0.46	1.13	2.08	3.19	4.27	5.15	5.69	5.83	5.52	4.83	3.84	2.72	1.65	0.80	0.27	0.04	47.6	47.5
20	0.00	0.12	0.52	1.27	2.33	3.55	4.72	5.67	6.25	6.39	6.04	5.28	4.21	2.98	1.80	0.87	0.29	0.04	52.4	52.2
10	0.00	0.13	0.55	1.34	2.46	3.72	4.95	5.93	6.52	6.66	6.30	5.50	4.39	3.11	1.89	0.91	0.30	0.04	54.7	54.6
0	0.00	0.13	0.55	1.34	2.45	3.72	4.93	5.91	6.50	6.64	6.28	5.48	4.37	3.10	1.87	0.91	0.30	0.04	54.5	54.4
-10	0.00	0.11	0.51	1.26	2.30	3.50	4.66	5.60	6.19	6.33	5.99	5.23	4.17	2.95	1.78	0.87	0.29	0.04	51.8	51.7
-20	0.00	0.09	0.45	1.11	2.04	3.11	4.16	5.03	5.58	5.72	5.42	4.73	3.76	2.65	1.60	0.78	0.26	0.03	46.6	46.4
-30	0.00	0.07	0.36	0.90	1.66	2.55	3.44	4.19	4.69	4.84	4.60	4.02	3.19	2.24	1.36	0.67	0.23	0.02	39.0	38.9
-40	0.00	0.04	0.26	0.66	1.23	1.90	2.57	3.16	3.56	3.71	3.55	3.11	2.47	1.75	1.08	0.54	0.19	0.01	29.8	29.5
-50	0.00	0.02	0.15	0.42	0.78	1.21	1.64	2.02	2.30	2.43	2.36	2.10	1.69	1.23	0.78	0.40	0.14	0.00	19.7	19.3
-60	0.00	0.00	0.05	0.19	0.37	0.58	0.78	0.96	1.10	1.19	1.20	1.12	0.95	0.73	0.48	0.26	0.08	0.00	10.1	8.76
-70	0.00	0.00	0.00	0.03	0.07	0.11	0.15	0.18	0.21	0.26	0.30	0.32	0.34	0.31	0.24	0.15	0.04	0.00	2.71	0.17
-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	0.01	0.04	0.05	0.04	0.01	0.00	0.16	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	0.00
Φ t	0.02	1.00	4.80	12.0	22.3	34.1	45.8	55.4	61.6	63.6	60.7	53.4	42.8	30.7	18.9	9.41	3.20	0.39	520	---
Φ a	0.00	0.19	3.96	11.4	21.7	33.6	45.3	54.9	61.2	63.2	60.3	52.9	42.3	30.1	18.3	8.74	2.48	0.02	---	510

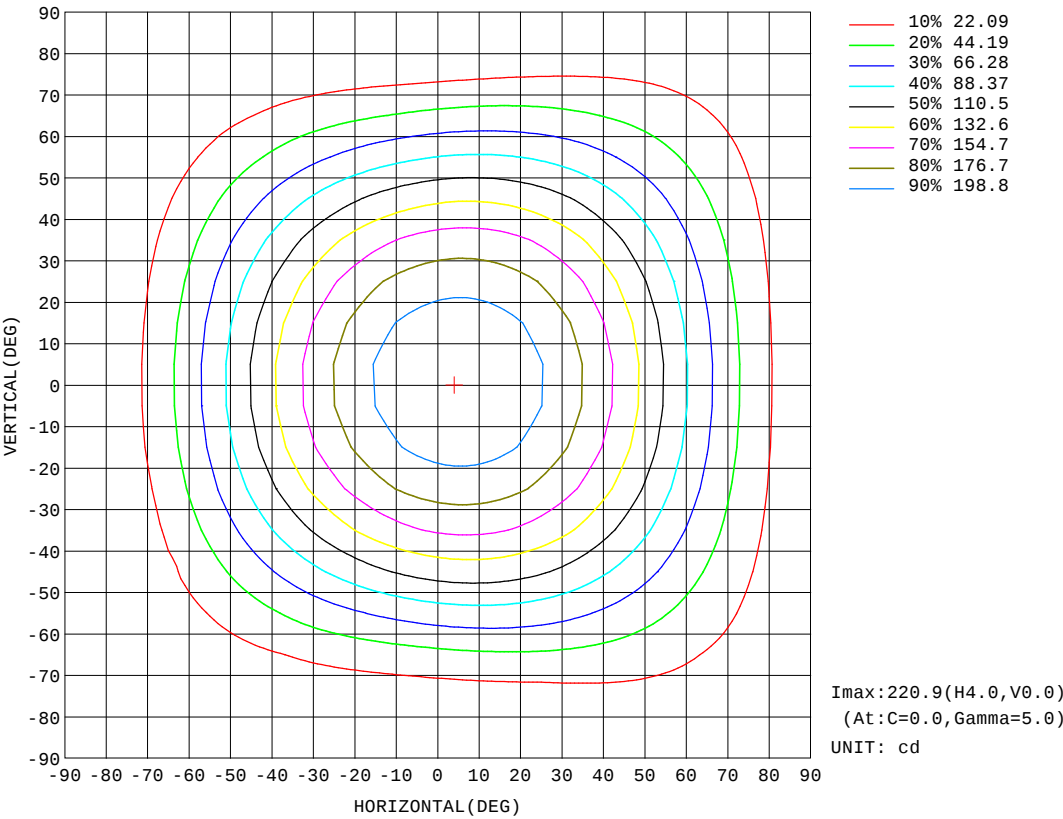
one-half-peak spread: U:48.0,D:50.4 , L:50.9,R:50.0 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-21

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:241.5V I:0.0617A P:7.756W PF:0.5202 Lamp Flux:520.163x1 lm		
NAME: 8.02.003.0405 LLS-COVE1-W40-L3-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500083
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

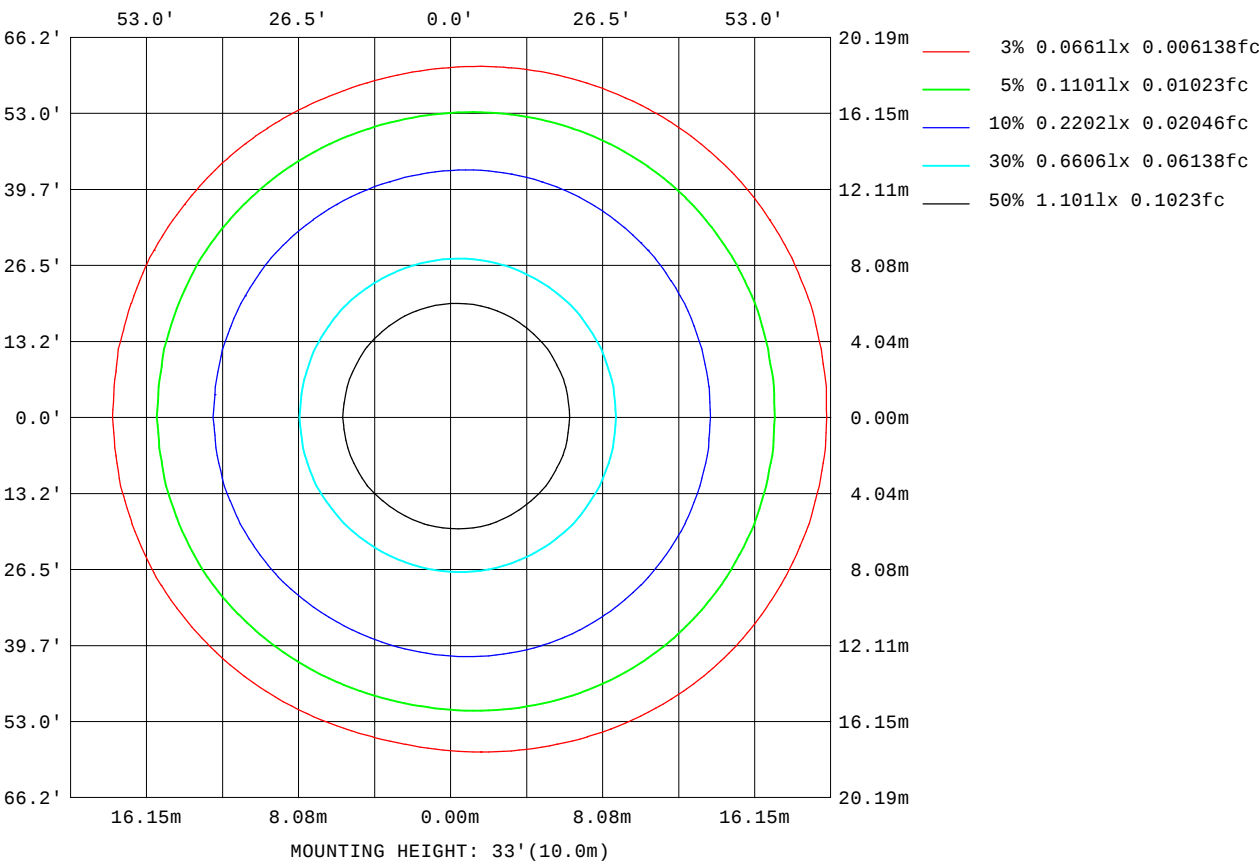


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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:20240500083
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

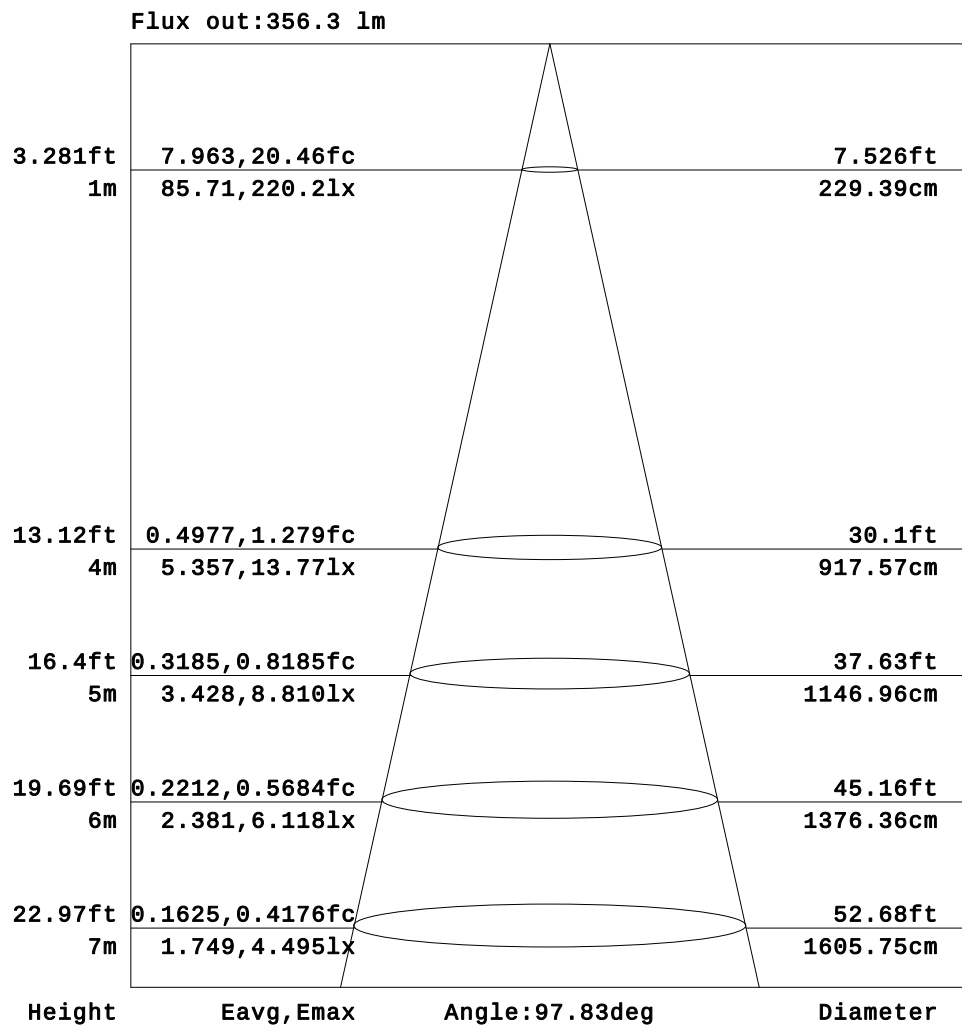


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-21

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:241.5V I:0.0617A P:7.756W PF:0.5202 Lamp Flux:520.163x1 lm		
NAME: 8.02.003.0405 LLS-COVE1-W40-L3-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500083
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

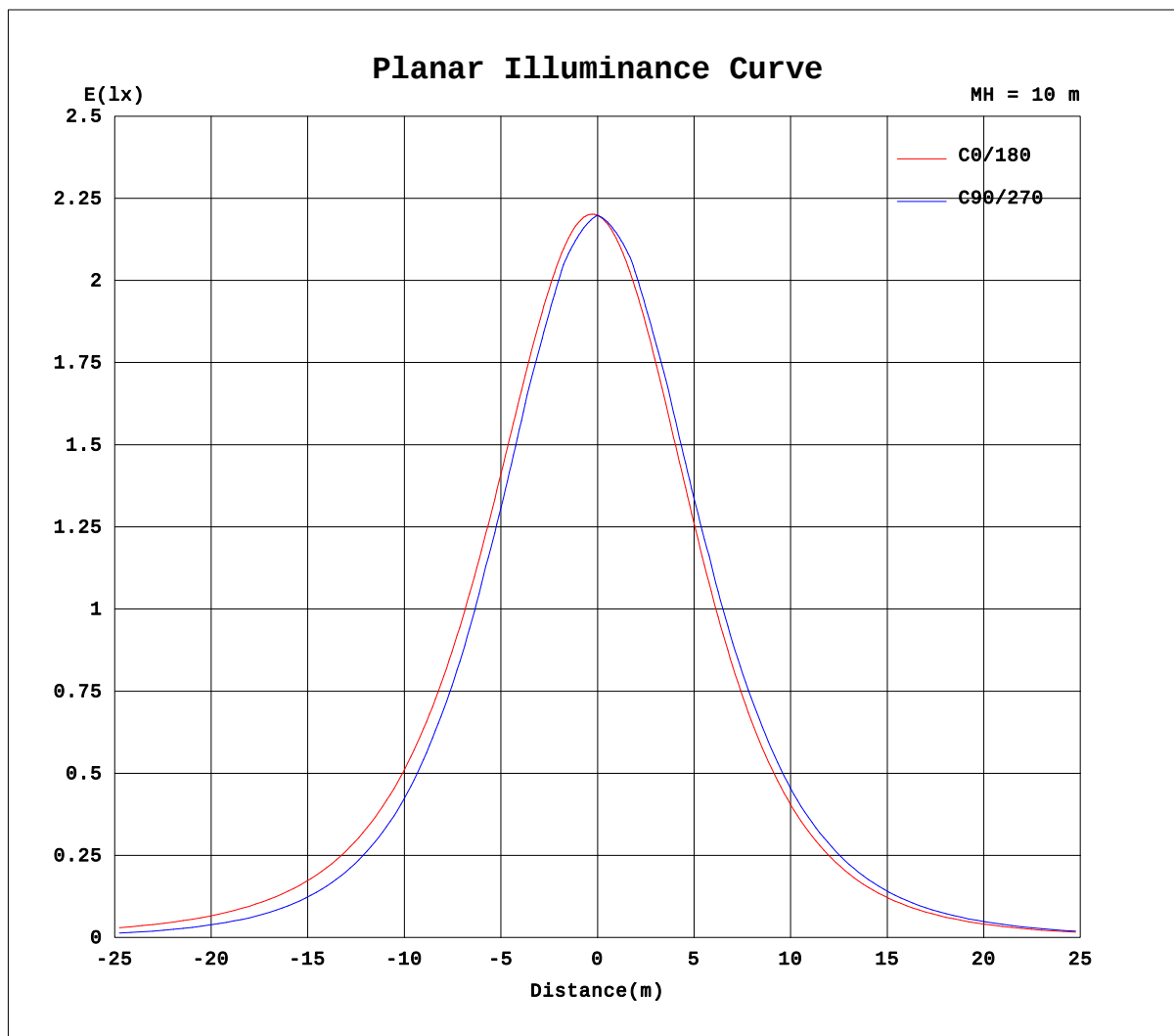


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-21

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:241.5V I:0.0617A P:7.756W PF:0.5202 Lamp Flux:520.163x1 lm																	
NAME: 8.02.003.0405 LLS-COVE1-W40-L3-DIM									TYPE:LED						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:20240500083		
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	0.92	2.33	3.31	4.24	5.09	5.85	6.52	7.12	7.65	8.13	8.63	9.20	9.82
-70	0.00	0.00	0.00	0.00	0.00	0.49	2.46	5.06	7.01	8.84	10.5	12.0	13.3	14.5	15.5	16.5	17.5	18.6	19.9
-65	0.00	0.00	0.00	0.00	1.50	3.60	6.73	10.6	13.9	17.2	20.3	23.2	26.0	28.5	30.8	32.9	34.8	36.6	38.3
-60	0.00	0.00	0.00	0.43	3.15	7.73	12.6	17.5	22.1	26.8	31.3	35.6	39.7	43.5	47.0	50.0	52.9	55.3	57.4
-55	0.00	0.00	0.00	1.22	5.40	10.3	16.8	23.0	29.3	35.6	41.8	47.9	53.7	59.0	63.9	68.3	72.2	75.6	78.2
-50	0.00	0.00	0.00	3.88	9.63	14.9	23.5	31.0	38.9	46.9	54.9	62.5	69.8	76.6	82.7	88.2	93.0	97.0	99.8
-45	0.00	0.00	0.00	4.21	10.1	18.0	27.3	36.3	45.8	55.6	65.3	74.7	83.6	91.8	99.4	106	112	116	120
-40	0.00	0.00	0.80	7.45	14.5	23.7	34.7	45.3	56.6	68.2	79.6	90.5	101	110	119	126	133	138	141
-35	0.00	0.00	0.55	6.81	14.4	26.0	37.3	49.2	62.0	75.1	88.0	100	112	123	133	141	148	153	157
-30	0.00	0.00	2.11	9.58	18.6	31.9	44.5	58.1	72.5	87.2	101	115	128	140	150	159	166	171	174
-25	0.00	0.00	1.34	8.90	19.6	32.5	45.9	60.5	76.1	91.9	107	122	136	149	160	169	177	183	186
-20	0.00	0.00	4.08	13.1	25.1	38.3	53.0	69.1	85.9	103	119	135	149	163	174	183	191	196	199
-15	0.00	0.00	2.03	11.7	23.8	37.2	52.3	68.9	86.4	104	121	138	153	167	179	189	197	203	207
-10	0.00	0.00	4.60	15.4	27.5	41.8	58.0	75.6	94.0	113	130	147	163	176	188	198	206	211	215
-5	0.00	0.00	3.35	13.6	25.5	39.7	55.8	73.5	92.1	111	129	146	162	176	189	199	207	213	217
0	0.00	0.00	5.99	16.3	28.9	43.7	60.5	78.7	97.7	117	135	152	168	182	194	204	211	217	220
5	0.00	0.00	4.07	13.7	25.7	39.9	56.1	73.8	92.5	111	130	147	163	177	190	200	208	214	218
10	0.00	0.00	5.65	15.6	27.8	42.3	58.6	76.3	94.9	113	131	148	164	178	190	200	207	213	216
15	0.00	0.00	3.65	12.9	24.2	37.8	53.1	69.9	87.7	106	123	140	155	169	181	191	199	205	209
20	0.00	0.00	4.99	14.4	25.8	39.1	54.2	70.6	87.7	105	122	138	152	166	177	186	194	199	202
25	0.00	0.00	2.76	11.2	21.4	33.5	47.3	62.3	78.3	94.5	110	126	140	153	164	174	181	187	190
30	0.00	0.00	3.60	11.8	21.7	33.2	46.2	60.4	75.3	90.5	105	120	133	145	156	164	171	176	179
35	0.00	0.00	1.50	8.72	17.4	27.6	39.1	51.7	65.1	78.8	92.4	106	118	130	139	148	155	160	163
40	0.00	0.00	2.09	8.91	17.0	26.4	36.8	48.2	60.3	72.6	84.8	96.7	108	118	127	134	141	145	148
45	0.00	0.00	0.43	5.77	12.7	20.6	29.5	39.1	49.5	60.0	70.6	81.0	90.8	99.8	108	115	121	125	128
50	0.00	0.00	0.23	5.24	11.3	18.2	25.9	34.1	42.8	51.7	60.6	69.3	77.5	85.1	91.9	97.9	103	107	110
55	0.00	0.00	0.00	2.50	7.50	13.1	19.3	26.0	33.0	40.2	47.4	54.4	61.2	67.4	73.1	78.2	82.4	86.0	88.7
60	0.00	0.00	0.00	1.66	5.82	10.4	15.3	20.6	26.0	31.5	37.0	42.3	47.4	52.1	56.5	60.3	63.6	66.4	68.5
65	0.00	0.00	0.00	0.44	2.49	5.88	9.60	13.5	17.6	21.7	25.7	29.6	33.3	36.8	40.0	42.8	45.3	47.6	49.5
70	0.00	0.00	0.00	0.00	0.32	2.81	5.42	8.09	10.8	13.4	15.9	18.3	20.6	22.7	24.6	26.4	28.0	29.6	31.0
75	0.00	0.00	0.00	0.00	0.02	1.15	2.44	3.78	5.11	6.44	7.72	8.93	10.1	11.2	12.1	13.0	13.8	14.7	15.8
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	0.16	0.96
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

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 Operators:QC1
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 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
 Humidity:83%
 Test Distance:8.300m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:	SPEC.:	SERIAL No.:20240500083
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	0.80	2.86	4.71	6.29	7.50	8.32	8.76	8.85	8.64	8.09	2.55	0.00	0.00	0.00
-75	10.5	11.1	11.6	12.1	12.6	13.7	14.6	15.2	15.4	15.1	14.4	13.4	12.2	10.6	6.01	0.22	0.00	0.00
-70	21.2	22.4	23.5	24.3	24.9	25.0	24.8	24.2	23.2	21.7	19.8	17.6	15.1	12.5	6.20	0.00	0.00	0.00
-65	39.8	40.9	41.6	41.8	41.3	40.3	38.9	36.9	34.5	31.5	28.2	24.6	20.8	16.9	11.8	2.07	0.00	0.00
-60	59.0	59.8	59.9	59.1	57.5	55.1	52.2	48.7	44.6	40.1	35.2	30.1	24.9	19.7	13.3	2.01	0.00	0.00
-55	80.0	80.7	80.4	79.0	76.5	72.9	68.5	63.4	57.7	51.6	45.1	38.3	31.5	24.9	18.5	7.80	0.00	0.00
-50	101	102	101	98.0	94.2	89.1	83.0	76.0	68.4	60.5	52.2	43.8	35.5	27.4	19.9	7.17	0.00	0.00
-45	122	122	120	117	113	107	99.5	91.1	81.9	72.3	62.3	52.3	42.4	32.8	23.9	14.6	0.25	0.00
-40	142	142	139	135	129	122	113	103	91.6	80.1	68.4	56.8	45.4	34.5	24.5	15.5	0.00	0.00
-35	159	158	156	152	146	138	128	117	105	91.8	78.6	65.5	52.5	40.2	28.8	18.7	3.98	0.00
-30	176	175	172	166	159	150	139	127	113	98.3	83.6	68.9	54.7	41.1	28.9	18.1	2.14	0.00
-25	188	187	184	179	172	163	151	138	124	108	92.5	76.6	61.1	46.3	32.9	21.0	9.40	0.00
-20	200	199	195	189	181	171	159	145	129	112	94.9	78.0	61.5	45.9	31.9	19.7	8.39	0.00
-15	208	207	203	198	190	180	168	153	138	120	103	84.8	67.4	50.9	35.9	22.7	11.7	0.00
-10	215	214	210	203	195	184	171	156	140	122	103	84.5	66.5	49.6	34.3	21.1	10.1	0.00
-5	218	217	213	207	199	189	176	161	145	127	108	89.2	70.7	53.3	37.5	23.7	12.1	0.77
0	221	219	215	208	199	188	175	160	143	125	105	86.3	67.8	50.4	34.8	21.3	10.1	0.00
5	219	218	214	208	200	189	176	162	145	127	108	89.5	71.0	53.5	37.6	23.8	12.2	1.72
10	217	215	211	205	196	185	172	157	141	123	104	85.1	67.0	50.0	34.6	21.2	10.2	0.00
15	210	209	205	200	192	181	169	155	139	122	104	85.9	68.3	51.5	36.4	23.0	11.9	1.86
20	203	202	198	192	183	173	161	147	131	114	96.8	79.4	62.6	46.7	32.5	20.0	9.68	0.00
25	192	191	188	182	175	166	155	142	127	111	94.9	78.6	62.6	47.5	33.7	21.5	11.3	1.81
30	180	179	176	171	163	154	143	131	117	102	86.5	71.2	56.4	42.4	29.7	18.6	9.24	0.00
35	165	164	162	157	151	143	133	122	109	95.9	82.1	68.2	54.6	41.7	29.8	19.4	10.4	1.73
40	149	149	146	142	136	128	119	108	96.6	84.5	72.1	59.7	47.6	36.0	25.5	16.3	8.24	0.00
45	130	130	128	125	120	114	106	97.2	87.4	77.0	66.3	55.5	44.8	34.6	25.1	16.7	9.17	1.63
50	111	111	110	107	102	96.8	90.1	82.4	74.0	65.3	56.2	47.0	37.9	29.2	21.1	13.9	7.36	0.00
55	90.4	90.8	90.1	88.2	85.2	81.1	76.0	70.1	63.5	56.6	49.2	41.7	34.2	26.8	19.9	13.6	7.80	1.47
60	70.0	70.5	70.1	68.8	66.6	63.5	59.7	55.2	50.3	45.0	39.3	33.3	27.4	21.6	16.0	10.9	6.08	0.00
65	50.9	51.8	52.0	51.6	50.5	48.7	46.4	43.6	40.2	36.5	32.3	27.9	23.4	18.9	14.5	10.3	6.26	1.24
70	32.3	33.3	33.9	34.0	33.8	33.2	32.1	30.6	28.7	26.4	23.7	20.7	17.6	14.4	11.2	8.02	4.90	0.00
75	16.9	18.0	19.0	19.8	20.4	20.7	20.7	20.3	19.6	18.5	17.1	15.4	13.5	11.4	9.23	6.99	4.72	0.57
80	2.00	3.21	4.54	5.88	7.13	8.27	9.16	9.79	10.1	10.2	9.90	9.34	8.54	7.54	6.38	5.05	3.61	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:2024-05-21

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: