

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

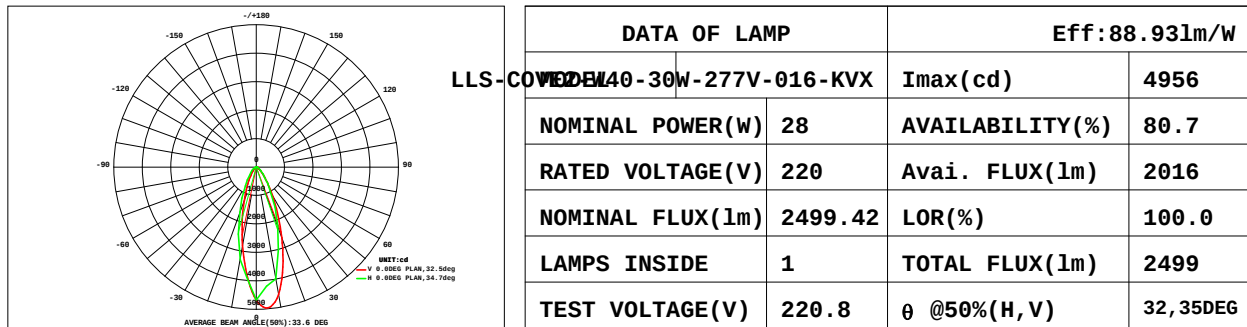
Maximum Intensity (Luminaire orientation as tested.)		1983.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	76.4V x 69.3H
	At 50% of Imax	34.8V x 32.5H
	At 90% of Imax	10.8V x 12.0H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	808.3 lumens per klm.
	To 50% of Imax	368.1 lumens per klm.
	To 90% of Imax	45.9 lumens per klm.
Upward LOR		0.0 %
Downward LOR		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:2024-07-13

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:220.8V I:0.1323A P:28.11W PF:0.9622 Lamp Flux:2499.42x1 lm		
NAME: 8.02.003.0416 LLS-COVE2-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700030
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



		AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
VERTICAL (DEG)	72	0.00	0.00	0.00	0.00	0.02	0.13	0.65	1.14	1.34	1.43	1.41	1.18	0.61	0.29	0.15	0.03	0.00	0.00	8.38	0.00		
	64	0.00	0.00	0.00	0.03	0.31	0.96	1.74	2.17	2.41	2.52	2.47	2.27	1.80	0.98	0.45	0.22	0.04	0.00	18.4	0.00		
	56	0.00	0.00	0.02	0.26	0.88	1.92	2.85	3.46	3.90	4.11	3.99	3.59	2.91	1.92	0.97	0.44	0.16	0.01	31.4	0.00		
	48	0.00	0.00	0.10	0.60	1.61	2.97	4.20	5.38	6.39	6.86	6.56	5.63	4.31	2.94	1.61	0.71	0.28	0.05	50.2	0.00		
	40	0.00	0.01	0.29	1.07	2.47	4.16	6.22	8.79	11.1	12.2	11.4	9.14	6.36	4.06	2.26	0.99	0.38	0.08	81.1	34.3		
	32	0.00	0.04	0.47	1.49	3.23	5.66	9.54	14.9	20.3	22.8	20.8	15.5	9.75	5.59	3.01	1.35	0.49	0.13	135	108		
	24	0.00	0.08	0.60	1.82	3.91	7.56	14.4	25.4	37.9	44.2	39.1	26.8	15.1	7.71	3.85	1.69	0.60	0.17	231	209		
		0.00	0.10	0.67	2.00	4.38	8.98	18.7	36.5	59.1	72.7	63.4	40.9	21.3	9.97	4.63	1.99	0.71	0.20	346	327		
		0.00	0.11	0.72	2.11	4.67	9.90	21.6	43.6	73.2	92.0	79.7	49.9	25.0	11.2	5.00	2.12	0.75	0.22	422	403		
		0.00	0.13	0.77	2.18	4.77	10.2	22.1	44.2	73.4	90.3	76.6	47.3	23.4	10.5	4.73	2.00	0.70	0.20	414	395		
		0.00	0.10	0.66	1.94	4.18	8.38	17.0	32.1	50.5	61.2	54.3	36.1	19.4	9.29	4.37	1.90	0.68	0.20	302	282		
	-24	0.00	0.05	0.50	1.53	3.28	6.07	11.1	19.1	28.4	34.1	31.9	23.4	14.0	7.45	3.81	1.72	0.63	0.19	187	164		
	-32	0.00	0.02	0.31	1.12	2.54	4.48	7.30	11.4	15.8	18.4	17.6	13.9	9.29	5.58	3.09	1.44	0.55	0.15	113	82.8		
	-40	0.00	0.00	0.17	0.75	1.88	3.32	4.84	6.57	8.22	9.18	8.93	7.62	5.82	3.99	2.33	1.08	0.43	0.10	65.2	10.0		
	-48	0.00	0.00	0.07	0.43	1.27	2.46	3.45	4.21	4.86	5.18	5.05	4.57	3.86	2.86	1.60	0.71	0.28	0.04	40.9	0.00		
	-56	0.00	0.00	0.00	0.11	0.56	1.53	2.41	2.81	3.07	3.24	3.22	3.06	2.77	2.00	1.03	0.48	0.17	0.02	26.5	0.00		
-64	0.00	0.00	0.00	0.01	0.10	0.55	1.39	1.91	2.16	2.28	2.28	2.13	1.81	1.02	0.50	0.26	0.07	0.01	16.5	0.00			
-72	0.00	0.00	0.00	0.00	0.01	0.09	0.40	0.89	1.13	1.23	1.26	1.16	0.75	0.34	0.17	0.08	0.02	0.00	7.53	0.00			
		-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72		
Φ t	0.00	0.64	5.34	17.4	40.1	79.3	150	264	403	484	430	294	168	87.7	43.6	19.2	6.94	1.76	2496	---			
Φ a	0.00	0.00	0.00	0.00	0.00	27.5	111	228	368	450	396	259	133	44.6	0.23	0.00	0.00	0.00	---	2016			

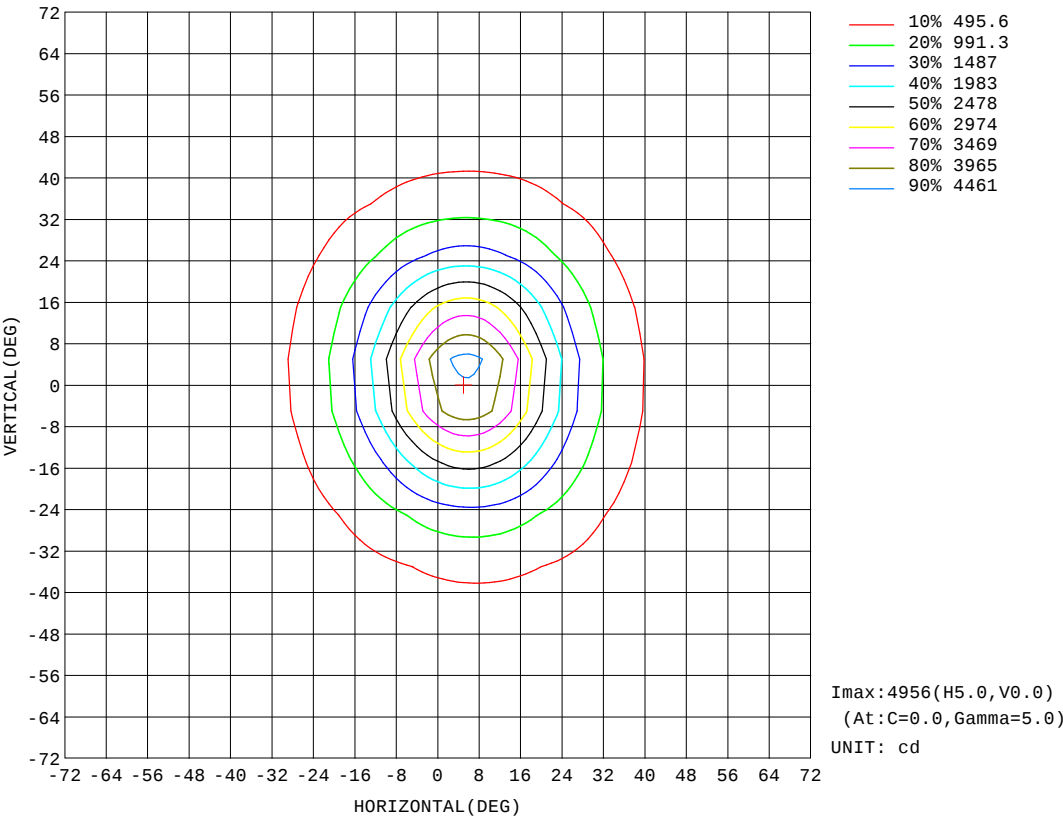
one-half-peak spread: U:16.0,D:19.0 , L:16.8, Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:

ISOCANDELA DIAGRAM

Test:U:220.8V I:0.1323A P:28.11W PF:0.9622 Lamp Flux:2499.42x1 lm		
NAME: 8.02.003.0416 LLS-COVE2-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700030
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

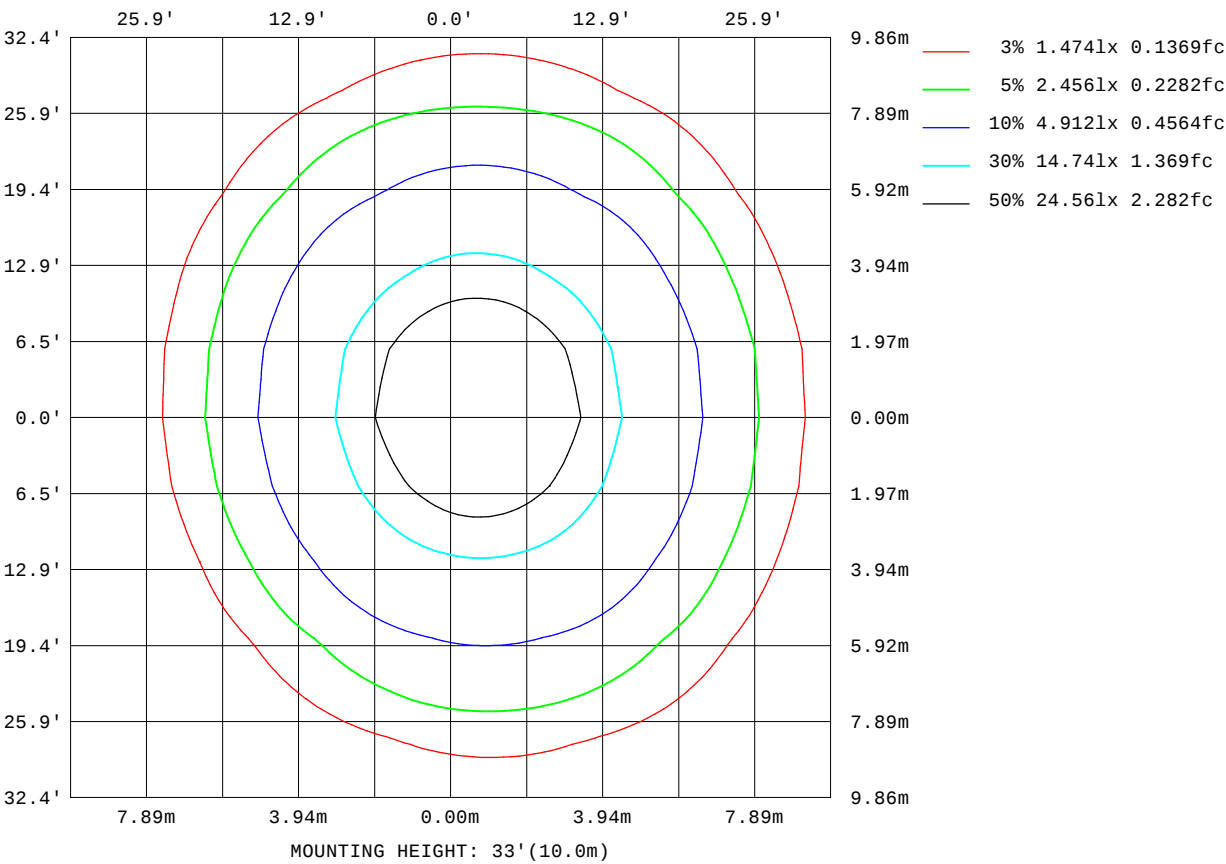


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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.8V I:0.1323A P:28.11W PF:0.9622 Lamp Flux:2499.42x1 lm		
NAME: 8.02.003.0416 LLS-COVE2-W40-30W-277V-016-KV	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700030
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

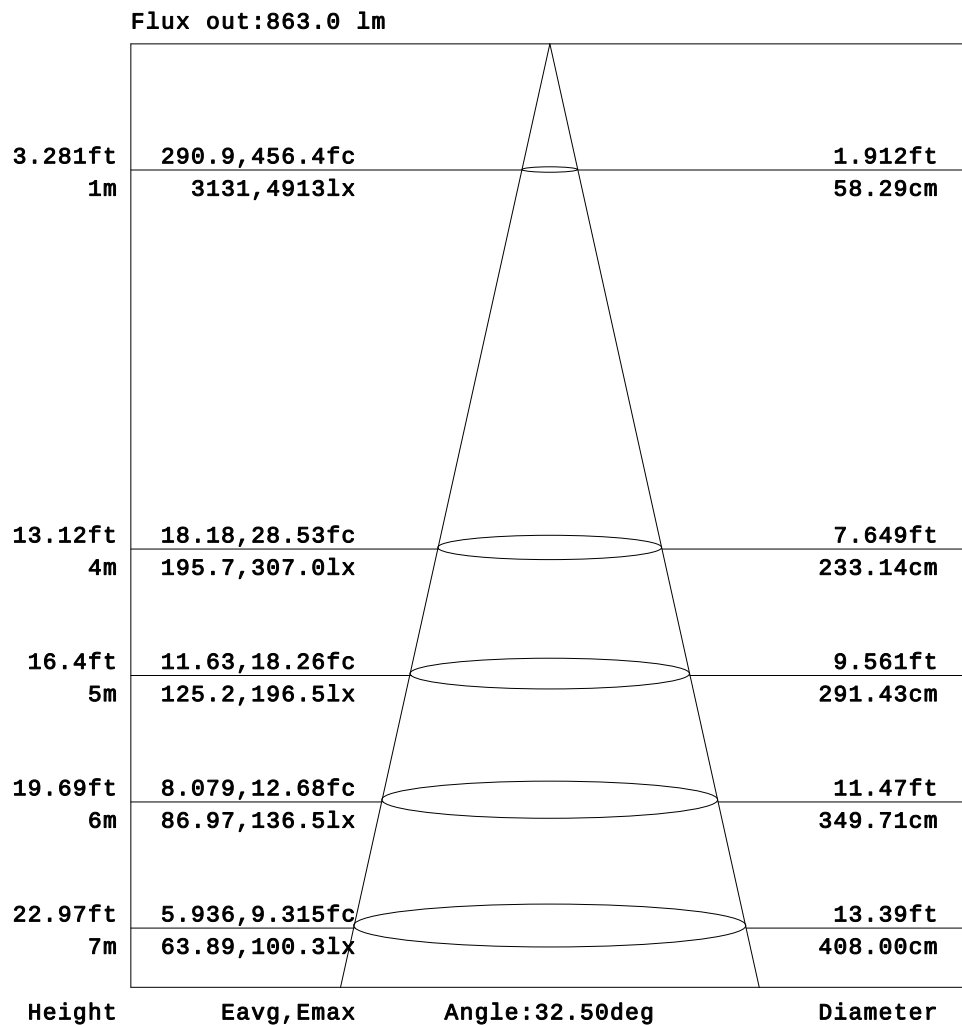


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:220.8V I:0.1323A P:28.11W PF:0.9622 Lamp Flux:2499.42x1 lm		
NAME: 8.02.003.0416 LLS-COVE2-W40-30W-277V-016	KVXTYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700030
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

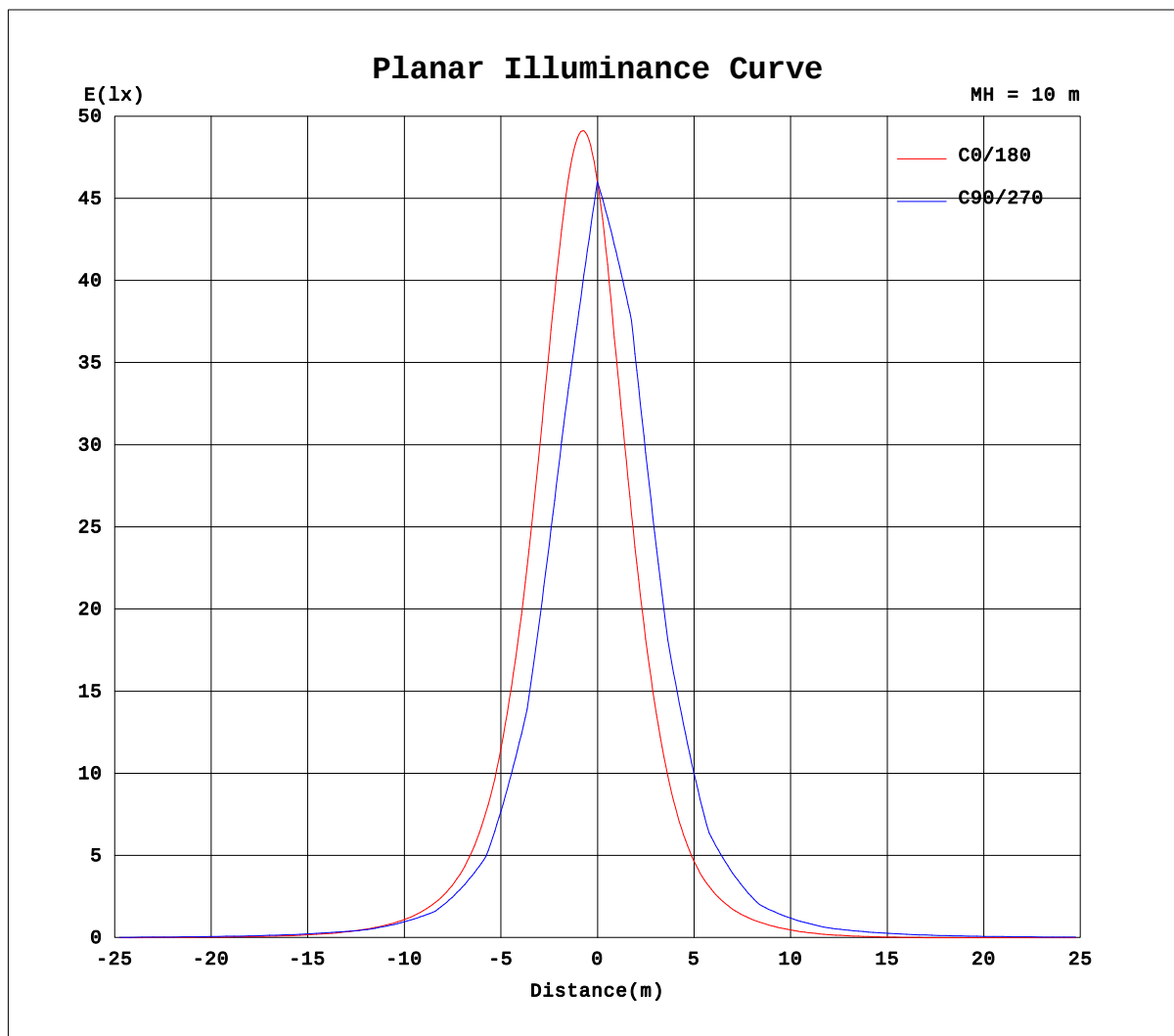


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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



H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 28.0DEG
Operators: QC1
Test Date: 2024-07-13

V(β) Range: -80 - 80DEG
V(β) 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:220.8V I:0.1323A P:28.11W PF:0.9622 Lamp Flux:2499.42x1 lm		
NAME: 8.02.003.0416 LLS-COVE2-W40-30W-277V-016	KVXTYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700030
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Table--1		UNIT: cd																		
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	0.00	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	3.69	12.5	19.0	22.3	24.1
-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	10.5	28.4	39.2	45.6	48.9
-65		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.66	10.8	22.6	41.2	59.0	70.9	77.5	81.4
-60		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	9.50	25.5	51.0	80.1	95.4	106	111	115
-55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.39	11.2	26.4	51.3	82.2	110	126	137	146	152
-50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.59	26.5	51.3	89.1	126	149	162	173	183	192
-45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.07	19.7	41.4	74.1	114	154	184	208	232	255	275
-40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	15.6	37.3	68.6	112	156	195	229	263	300	337	365
-35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.25	20.8	46.9	82.8	130	181	231	286	351	423	496	557
-30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.0	35.3	68.9	115	169	225	288	367	467	575	683	768
-25		0.00	0.00	0.00	0.00	0.00	0.00	0.37	15.0	39.9	77.0	128	187	256	347	471	636	831	1037	1207
-20		0.00	0.00	0.00	0.00	0.00	0.00	3.39	26.5	57.5	103	162	231	321	450	634	879	1170	1468	1695
-15		0.00	0.00	0.00	0.00	0.00	0.00	3.30	25.8	57.7	105	169	245	350	511	754	1099	1538	2023	2436
-10		0.00	0.00	0.00	0.00	0.00	0.00	10.0	36.3	73.7	130	203	296	434	654	995	1479	2098	2762	3300
-5		0.00	0.00	0.00	0.00	0.00	0.00	7.23	32.5	68.8	123	196	290	432	661	1027	1568	2287	3116	3872
0		0.00	0.00	0.00	0.00	0.00	0.00	13.1	41.3	82.4	144	222	332	503	789	1245	1915	2801	3802	4665
5		0.00	0.00	0.00	0.00	0.00	0.00	7.80	33.6	70.8	127	202	300	451	696	1090	1677	2466	3375	4204
10		0.00	0.00	0.00	0.00	0.00	0.00	11.3	38.7	78.6	138	217	320	477	734	1136	1728	2486	3312	3985
15		0.00	0.00	0.00	0.00	0.00	0.00	5.28	29.4	64.2	117	188	275	400	594	895	1325	1883	2497	3019
20		0.00	0.00	0.00	0.00	0.00	0.00	7.41	32.1	67.7	122	189	271	387	556	804	1132	1524	1916	2206
25		0.00	0.00	0.00	0.00	0.00	0.00	1.79	20.9	50.5	94.6	154	224	311	430	600	823	1086	1357	1570
30		0.00	0.00	0.00	0.00	0.00	0.00	0.74	19.9	48.0	89.4	145	208	276	363	477	613	760	897	993
35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.19	32.0	63.9	110	165	222	285	362	452	551	644	713
40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	26.9	54.5	95.4	144	191	234	281	330	380	423	452
45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	12.6	33.5	63.0	103	147	186	221	254	288	317	339
50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.72	22.4	45.0	79.0	119	152	175	193	208	222	232
55		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	9.35	23.5	45.6	76.1	108	133	148	161	171	179
60		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.47	23.3	45.9	75.9	98.1	110	118	124	128
65		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.58	9.98	20.3	38.5	59.4	74.6	83.7	89.6	93.2
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	0.02	10.1	27.9	43.8	52.3	57.2	59.6
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	0.00	3.61	12.0	20.8	25.4	29.2	31.4
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	2.28	4.11
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
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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]
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LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:	SPEC.:	SERIAL No.:20240700030
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	25.6	27.0	26.7	26.4	19.3	10.7	6.30	4.59	3.87	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	51.8	54.2	53.3	51.3	34.7	19.0	11.6	8.96	7.32	4.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	84.5	86.6	86.4	84.4	76.4	60.9	41.8	27.4	19.8	15.1	8.43	3.10	0.00	0.00	0.00	0.00	0.00	0.00
-60	118	119	119	116	113	95.2	65.1	42.0	30.0	23.7	14.7	4.59	0.00	0.00	0.00	0.00	0.00	0.00
-55	157	159	158	154	150	139	113	81.8	56.3	39.0	27.1	14.1	4.14	0.00	0.00	0.00	0.00	0.00
-50	197	198	195	190	185	174	148	110	74.1	49.3	34.6	19.1	5.88	0.00	0.00	0.00	0.00	0.00
-45	287	289	281	266	247	224	193	152	108	71.6	47.6	30.1	13.6	1.17	0.00	0.00	0.00	0.00
-40	379	377	361	334	301	264	224	176	125	82.5	53.5	34.4	15.4	0.58	0.00	0.00	0.00	0.00
-35	591	590	555	496	426	354	287	224	165	112	71.5	45.5	25.3	6.76	0.00	0.00	0.00	0.00
-30	807	793	728	632	522	416	324	248	181	123	76.9	48.1	28.0	7.48	0.00	0.00	0.00	0.00
-25	1293	1271	1150	965	761	573	423	311	225	153	96.7	58.5	35.0	14.6	0.45	0.00	0.00	0.00
-20	1788	1716	1506	1218	920	664	471	337	237	158	97.8	58.0	33.9	14.2	0.01	0.00	0.00	0.00
-15	2641	2549	2206	1737	1268	879	596	408	279	187	117	68.7	40.6	19.6	1.55	0.00	0.00	0.00
-10	3505	3278	2728	2061	1445	965	632	422	281	184	114	65.6	38.0	16.9	0.26	0.00	0.00	0.00
-5	4228	4013	3344	2509	1742	1140	734	479	316	207	129	74.3	43.3	21.2	2.23	0.00	0.00	0.00
0	4956	4536	3633	2631	1770	1125	712	461	303	196	118	67.5	38.8	17.2	0.30	0.00	0.00	0.00
5	4588	4327	3567	2649	1820	1179	753	488	322	210	129	74.1	43.0	20.8	2.02	0.00	0.00	0.00
10	4221	3860	3138	2311	1581	1032	665	438	289	188	114	65.2	37.5	16.3	0.08	0.00	0.00	0.00
15	3259	3091	2605	1993	1413	953	631	425	288	190	117	67.5	39.3	18.2	1.04	0.00	0.00	0.00
20	2297	2154	1834	1428	1039	724	499	349	241	158	95.8	55.9	31.9	12.5	0.00	0.00	0.00	0.00
25	1661	1598	1408	1141	866	628	449	322	228	153	94.2	55.8	32.5	13.7	0.15	0.00	0.00	0.00
30	1024	983	883	743	590	450	341	254	182	121	73.9	44.9	25.2	7.87	0.00	0.00	0.00	0.00
35	742	725	667	580	478	379	297	226	164	109	68.0	41.9	23.6	7.42	0.00	0.00	0.00	0.00
40	461	450	421	378	325	272	223	173	122	78.5	49.7	31.0	15.4	1.16	0.00	0.00	0.00	0.00
45	348	344	328	302	268	229	190	147	103	67.2	43.5	27.2	13.1	1.82	0.00	0.00	0.00	0.00
50	235	233	227	214	196	172	140	102	67.4	44.7	30.1	17.6	5.22	0.00	0.00	0.00	0.00	0.00
55	183	182	179	171	159	138	109	77.4	52.3	35.2	23.4	12.6	3.86	0.00	0.00	0.00	0.00	0.00
60	130	130	128	123	115	93.3	64.5	41.4	28.9	20.6	12.5	3.34	0.00	0.00	0.00	0.00	0.00	0.00
65	95.7	96.4	94.5	89.9	78.3	60.5	42.2	27.9	19.4	12.9	7.06	2.56	0.00	0.00	0.00	0.00	0.00	0.00
70	61.8	62.3	59.5	53.5	35.4	20.2	13.2	10.2	7.35	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	33.1	33.1	30.2	27.8	19.7	11.2	7.06	5.35	4.02	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	4.89	2.84	0.00	0.00	0.00	0.00	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:2024-07-13

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: