

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

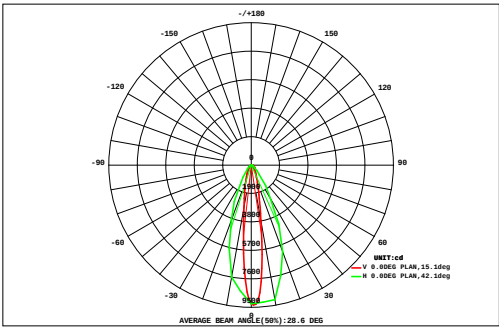
Maximum Intensity (Luminaire orientation as tested.)		2906.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	75.1V x 45.0H
	At 50% of Imax	42.1V x 15.1H
	At 90% of Imax	18.8V x 6.3H
Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	708.5 lumens per klm.
	To 50% of Imax	337.9 lumens per klm.
	To 90% of Imax	81.3 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:27.9DEG
Operators:QC1
Test Date:2024-04-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:0.2962A P:63.94W PF:0.9765 Lamp Flux:3216.32x1 lm		
NAME: 8.01.017.0056 15X40°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000050
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:50.30lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	9347	
NOMINAL POWER(W)	64	AVAILABILITY(%)	70.9
RATED VOLTAGE(V)	222	Avai. FLUX(lm)	2282
NOMINAL FLUX(lm)	3216.32	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3216
TEST VOLTAGE(V)	221.0	θ @50%(H,V)	15,42DEG

AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
72	0.00	0.01	0.05	0.27	0.59	0.95	1.28	1.57	1.76	1.80	1.69	1.47	1.18	0.84	0.49	0.18	0.02	0.00	14.2	0.00
64	0.00	0.08	0.42	0.89	1.44	2.00	2.50	2.92	3.20	3.24	3.05	2.70	2.25	1.68	1.12	0.61	0.22	0.01	28.3	0.00
56	0.02	0.28	0.78	1.41	2.13	2.91	3.71	4.56	5.31	5.41	4.76	3.98	3.21	2.42	1.69	1.01	0.45	0.09	44.1	0.00
48	0.08	0.49	1.13	1.91	2.82	3.92	5.36	7.43	10.3	10.7	7.96	5.81	4.34	3.19	2.22	1.37	0.68	0.19	69.9	0.00
40	0.16	0.67	1.44	2.38	3.56	5.13	7.66	12.5	22.0	23.8	14.1	8.49	5.76	4.02	2.73	1.69	0.88	0.30	117	37.4
32	0.24	0.83	1.70	2.84	4.35	6.55	10.6	20.7	46.7	52.3	24.9	12.2	7.38	4.89	3.21	1.99	1.06	0.39	203	137
24	0.30	0.95	1.92	3.22	5.13	8.19	14.6	32.4	90.5	104	40.4	16.7	9.13	5.71	3.63	2.21	1.16	0.45	340	279
	0.33	1.02	2.05	3.50	5.69	9.54	18.1	41.3	123	145	53.4	21.1	10.8	6.36	3.93	2.35	1.26	0.49	449	391
	0.35	1.06	2.13	3.65	6.00	10.3	20.0	45.7	136	163	59.4	23.6	11.7	6.68	4.07	2.43	1.30	0.52	497	441
	0.35	1.06	2.12	3.63	5.96	10.1	19.3	43.5	126	151	56.4	22.8	11.3	6.52	4.00	2.41	1.29	0.51	468	411
	0.31	1.00	2.03	3.43	5.45	8.71	15.5	34.1	100	124	46.7	18.6	9.75	5.90	3.71	2.26	1.23	0.48	383	323
	0.25	0.89	1.81	3.04	4.77	7.37	12.1	23.8	58.0	68.4	30.9	14.0	8.03	5.17	3.36	2.07	1.10	0.42	246	181
-24	0.16	0.72	1.56	2.68	4.07	5.97	9.05	15.3	29.8	34.1	18.8	10.2	6.47	4.34	2.91	1.84	0.98	0.34	149	78.8
-32	0.08	0.53	1.27	2.23	3.35	4.71	6.57	9.11	12.5	13.6	10.3	7.15	5.09	3.57	2.47	1.56	0.81	0.24	85.1	1.46
-40	0.02	0.31	0.93	1.71	2.63	3.62	4.69	5.60	6.01	5.98	5.75	4.87	3.87	2.87	2.02	1.22	0.58	0.13	52.8	0.00
-48	0.00	0.10	0.53	1.16	1.90	2.54	3.06	3.46	3.63	3.64	3.55	3.18	2.68	2.12	1.49	0.87	0.34	0.04	34.3	0.00
-56	0.00	0.01	0.16	0.57	1.02	1.49	1.92	2.25	2.48	2.54	2.37	2.09	1.72	1.30	0.87	0.45	0.11	0.01	21.4	0.00
-64	0.00	0.00	0.03	0.12	0.27	0.50	0.74	0.95	1.10	1.14	1.07	0.93	0.73	0.50	0.28	0.10	0.02	0.00	8.48	0.00
-72	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)	16	24	32	40	48	56	64	72			
Φ t	2.65	10.0	22.1	38.6	61.1	94.5	157	307	778	913	386	180	105	68.1	44.2	26.6	13.5	4.62	3212	---
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	50.3	240	723	860	325	83.7	0.00	0.00	0.00	0.00	0.00	0.00	---	2282

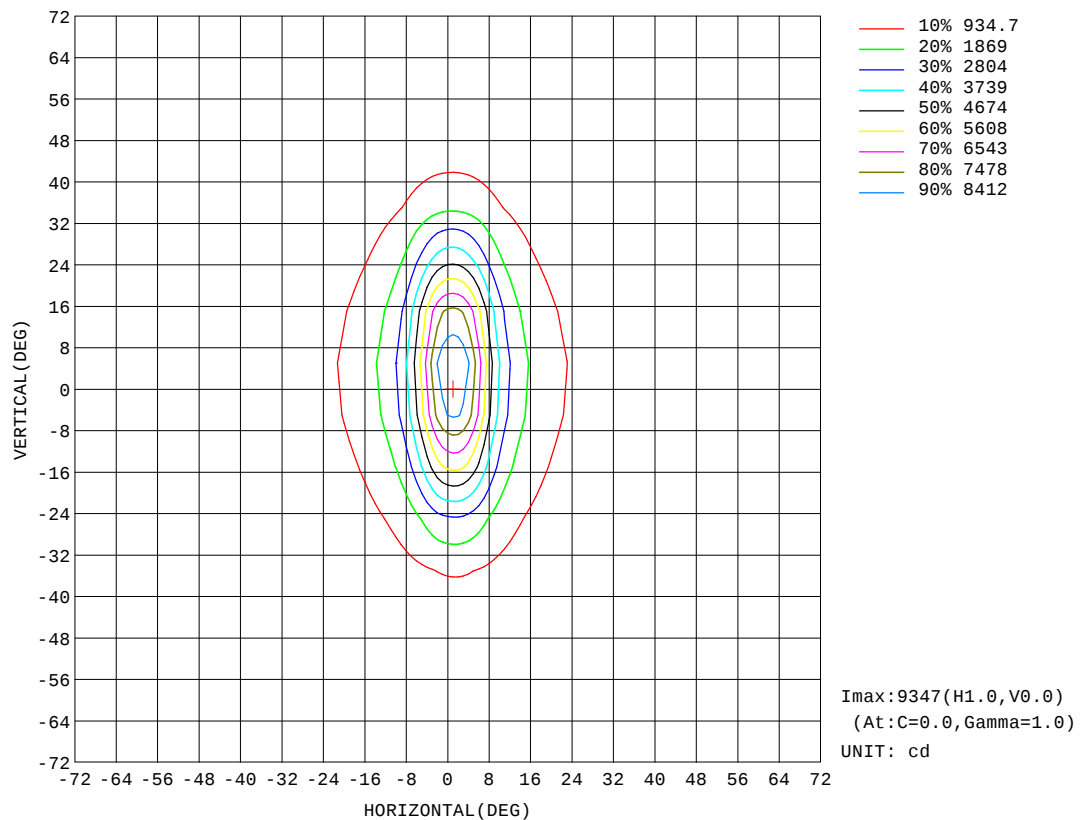
one-half-peak spread: U:18.0,D:24.4 , L:7.6,RNEMA Beam Type: Type 3 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.9DEG
Operators:QC1
Test Date:2024-04-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.0V I:0.2962A P:63.94W PF:0.9765 Lamp Flux:3216.32x1 lm		
NAME: 8.01.017.0056 15X40°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000050
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

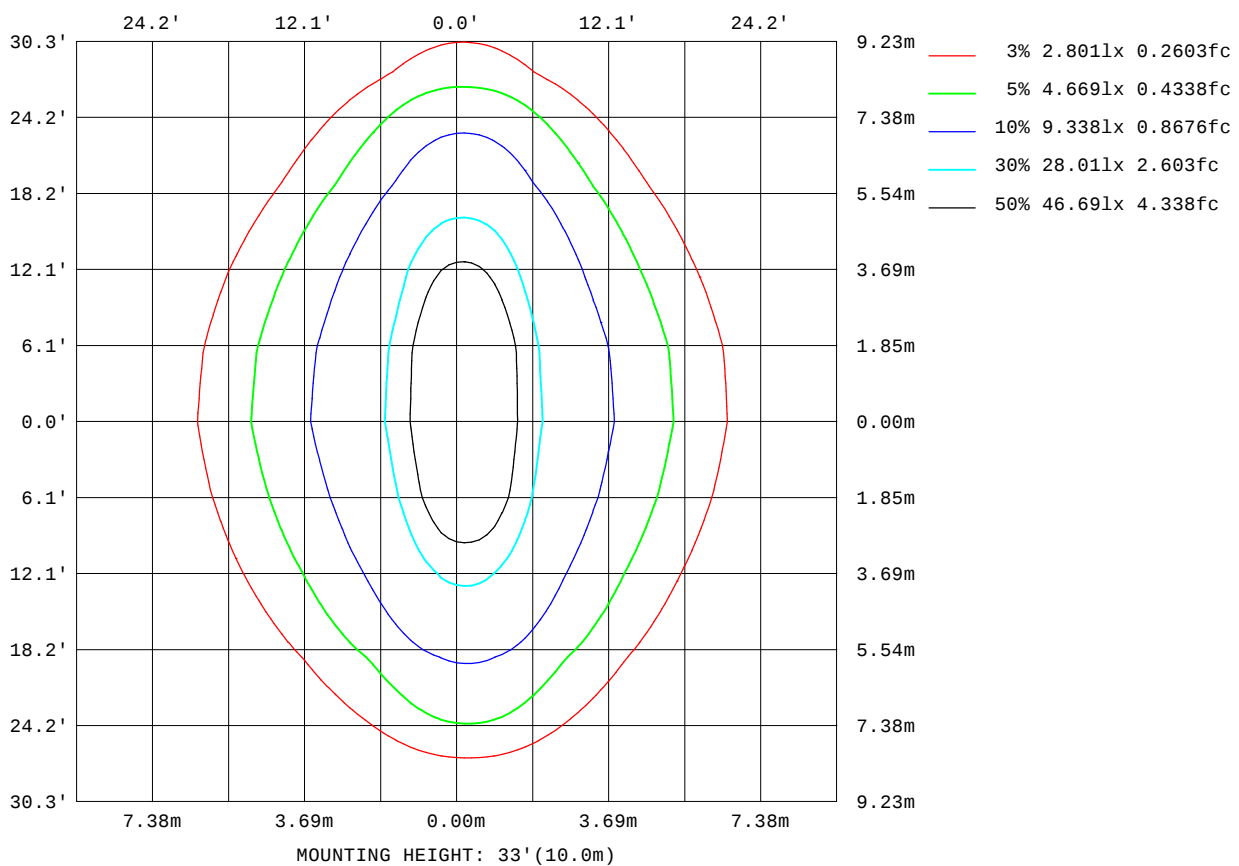


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Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:202404000050
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

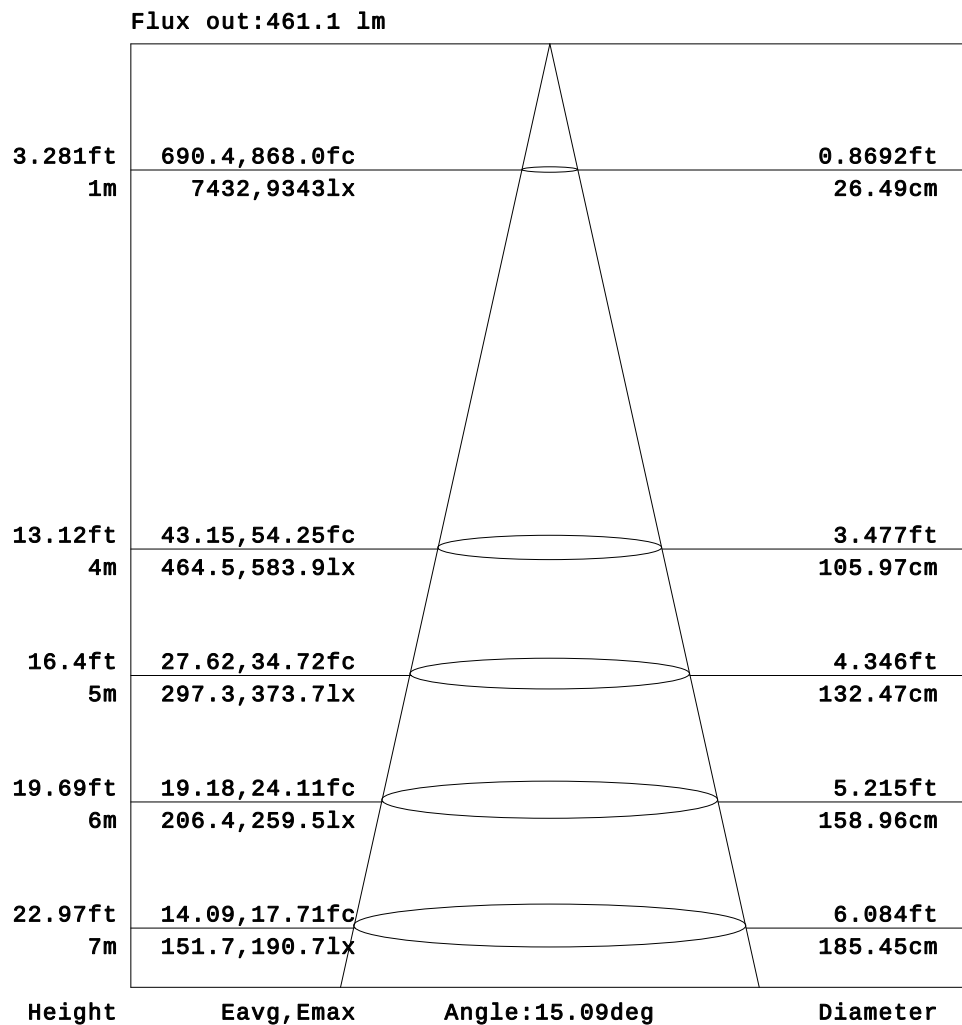


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.9DEG
Operators:QC1
Test Date:2024-04-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

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DIM.:	SPEC.:	SERIAL No.:202404000050
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

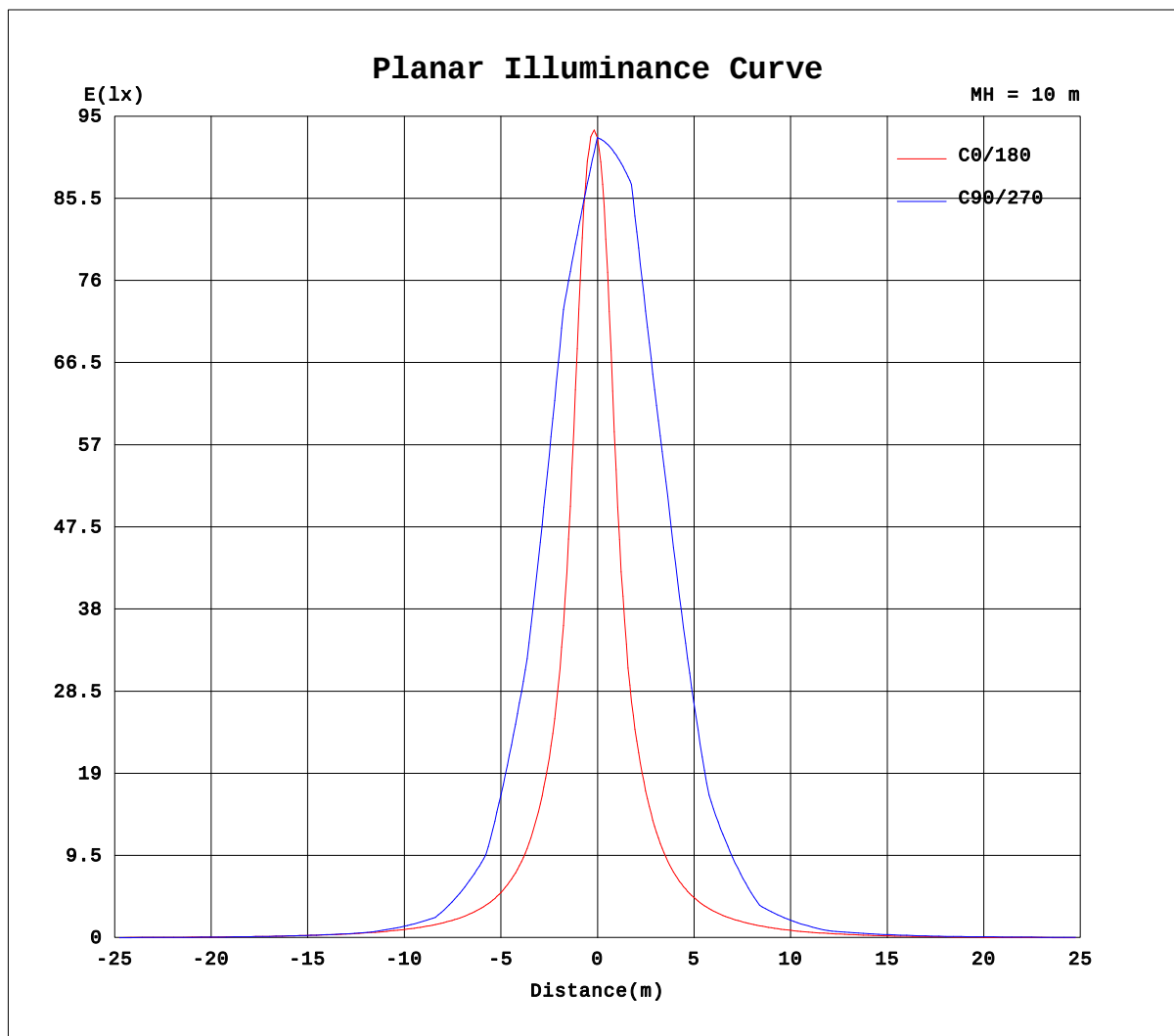


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
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Temperature:27.9DEG
Operators:QC1
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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



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Test Date:2024-04-23

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LUMINOUS DISTRIBUTION INTENSITY DATA

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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	0.01	2.89	6.07	9.29	12.4	15.2	17.5	19.4	20.7	
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	5.78	12.1	18.6	24.8	30.3	35.1	38.8	41.3	
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	9.65	18.9	26.5	36.8	46.7	56.1	64.9	72.2	78.1	82.9	86.0	
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.53	19.3	37.8	53.0	67.7	81.4	93.7	105	114	121	127	131	
-55	0.00	0.00	0.00	0.00	0.00	0.00	6.69	19.3	40.7	62.5	82.8	102	119	134	147	158	169	177	182	
-50	0.00	0.00	0.00	0.00	0.00	0.00	13.4	35.0	62.1	87.2	113	137	156	173	189	203	216	226	232	
-45	0.00	0.00	0.00	0.00	0.00	6.64	27.3	54.4	82.8	110	139	166	192	220	248	278	312	351	380	
-40	0.00	0.00	0.00	0.00	0.00	13.3	41.1	73.7	104	134	165	195	227	266	308	352	407	475	528	
-35	0.00	0.00	0.00	0.00	2.16	25.4	54.5	87.8	120	155	190	224	264	315	379	465	594	809	1004	
-30	0.00	0.00	0.00	0.00	4.31	37.5	67.8	102	137	176	214	253	301	364	450	577	780	1143	1480	
-25	0.00	0.00	0.00	0.00	12.8	45.6	79.0	115	151	191	234	284	345	427	549	753	1128	1919	2685	
-20	0.00	0.00	0.00	0.00	21.4	53.7	90.3	127	165	207	254	315	389	490	648	929	1476	2694	3890	
-15	0.00	0.00	0.00	0.02	24.6	59.0	96.4	136	177	222	274	340	427	552	758	1130	1886	3753	5749	
-10	0.00	0.00	0.00	0.04	27.8	64.3	102	144	188	236	293	366	465	614	868	1332	2296	4812	7607	
-5	0.00	0.00	0.00	0.54	30.2	66.9	105	147	191	241	303	382	494	669	968	1509	2578	5366	8431	
0	0.00	0.00	0.00	1.04	32.5	69.4	108	150	195	247	313	398	523	723	1069	1687	2861	5921	9254	
5	0.00	0.00	0.00	0.55	31.6	67.8	106	148	192	243	308	390	511	705	1039	1645	2805	5888	9188	
10	0.00	0.00	0.00	0.06	30.6	66.2	104	146	190	240	302	383	500	687	1009	1603	2750	5855	9122	
15	0.00	0.00	0.00	0.03	28.4	63.3	100	140	182	230	286	360	462	621	895	1400	2403	5020	7637	
20	0.00	0.00	0.00	0.00	26.2	60.3	96.4	135	175	219	270	338	425	555	780	1198	2056	4186	6152	
25	0.00	0.00	0.00	0.00	21.3	53.6	88.2	125	162	203	248	305	377	481	655	970	1597	3046	4344	
30	0.00	0.00	0.00	0.00	16.5	46.9	79.9	114	150	186	226	272	329	407	530	743	1138	1906	2537	
35	0.00	0.00	0.00	0.00	11.1	38.8	69.5	102	134	166	201	240	287	348	440	588	845	1313	1689	
40	0.00	0.00	0.00	0.00	5.71	30.6	59.0	89.2	118	147	176	208	244	288	350	432	551	720	840	
45	0.00	0.00	0.00	0.00	2.85	20.8	46.3	73.8	100	126	151	179	209	242	285	339	413	510	578	
50	0.00	0.00	0.00	0.00	0.00	11.1	33.6	58.3	82.3	105	127	150	173	195	219	245	274	301	316	
55	0.00	0.00	0.00	0.00	0.00	5.53	20.4	41.3	62.1	82.4	102	122	142	160	178	196	216	232	241	
60	0.00	0.00	0.00	0.00	0.00	0.00	7.25	24.3	41.9	59.7	77.5	95.0	111	125	137	147	157	164	167	
65	0.00	0.00	0.00	0.00	0.00	0.00	3.63	12.1	22.5	36.0	49.6	63.1	75.7	87.0	97.0	106	113	119	122	
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.19	12.2	21.8	31.3	40.7	49.3	57.2	64.2	69.9	74.3	76.6	
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	6.12	10.9	15.6	20.3	24.7	28.6	32.1	35.0	37.2	38.9	
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	0.05	1.20	
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
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V(β) Range:-80 - 80DEG
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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
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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	20.9	20.4	19.3	17.7	15.6	13.2	10.3	7.12	3.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	41.9	40.8	38.6	35.3	31.2	26.3	20.6	14.2	7.83	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	86.1	83.8	79.9	74.9	68.6	61.2	52.7	43.3	33.3	23.2	13.4	4.77	0.00	0.00	0.00	0.00	0.00	0.00
-60	130	127	121	114	106	96.1	84.8	72.3	58.8	44.6	26.7	9.54	0.01	0.00	0.00	0.00	0.00	0.00
-55	181	175	166	155	144	131	117	102	85.3	66.4	46.7	24.4	8.65	0.45	0.00	0.00	0.00	0.00
-50	231	224	211	196	181	166	150	133	112	88.2	66.7	39.2	17.3	0.91	0.00	0.00	0.00	0.00
-45	371	333	294	261	232	206	180	157	134	107	82.6	55.3	28.2	7.15	0.00	0.00	0.00	0.00
-40	510	442	378	325	283	246	211	182	156	126	98.4	71.4	39.2	13.4	0.00	0.00	0.00	0.00
-35	941	701	525	414	341	286	240	204	174	143	114	83.8	51.4	20.8	0.28	0.00	0.00	0.00
-30	1371	959	672	504	398	325	269	227	192	160	129	96.1	63.6	28.3	0.57	0.00	0.00	0.00
-25	2407	1464	905	625	469	373	304	252	210	174	139	104	70.1	35.4	5.11	0.00	0.00	0.00
-20	3444	1970	1137	746	540	420	339	278	229	187	149	112	76.7	42.4	9.65	0.00	0.00	0.00
-15	5022	2592	1408	890	621	466	368	298	242	197	157	119	82.4	46.7	12.9	0.00	0.00	0.00
-10	6601	3214	1679	1034	702	513	397	318	256	207	166	127	88.1	50.9	16.2	0.00	0.00	0.00
-5	7207	3499	1864	1140	762	548	418	331	265	214	170	129	89.9	52.2	16.9	0.00	0.00	0.00
0	7813	3783	2050	1246	823	583	439	344	275	220	175	132	91.7	53.4	17.6	0.00	0.00	0.00
5	7795	3764	1992	1213	805	574	434	341	272	218	173	131	90.9	52.7	17.2	0.00	0.00	0.00
10	7777	3745	1934	1181	787	565	429	338	269	215	171	130	90.1	52.1	16.8	0.00	0.00	0.00
15	6458	3184	1681	1034	704	519	402	321	258	208	164	124	85.5	48.6	14.4	0.00	0.00	0.00
20	5138	2623	1428	886	621	472	375	303	247	200	158	118	81.0	45.1	12.1	0.00	0.00	0.00
25	3679	1999	1145	744	540	422	341	279	229	187	148	111	75.0	40.6	9.23	0.00	0.00	0.00
30	2220	1376	862	601	459	371	308	254	212	173	138	103	69.0	36.0	6.40	0.00	0.00	0.00
35	1496	989	666	492	390	323	271	227	191	156	123	91.4	59.5	29.0	3.21	0.00	0.00	0.00
40	772	602	470	382	321	274	235	201	170	138	109	79.6	50.1	22.0	0.02	0.00	0.00	0.00
45	541	443	365	309	267	232	202	174	148	120	93.1	65.9	39.4	14.4	0.01	0.00	0.00	0.00
50	309	284	259	235	213	191	169	148	126	102	76.9	52.2	28.6	6.81	0.00	0.00	0.00	0.00
55	238	223	207	191	175	158	139	121	101	79.8	58.4	37.2	17.2	3.41	0.00	0.00	0.00	0.00
60	167	162	156	148	138	125	110	93.5	76.0	57.8	39.9	22.2	5.74	0.00	0.00	0.00	0.00	0.00
65	122	118	113	107	99.1	89.3	77.5	64.8	50.9	36.3	22.4	11.1	2.87	0.00	0.00	0.00	0.00	0.00
70	76.5	74.4	70.9	66.2	60.2	53.2	45.1	36.0	25.7	14.8	5.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	38.9	37.6	35.4	33.1	30.1	26.6	22.6	18.0	12.8	7.42	2.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	1.33	0.82	0.00	0.00	0.00	0.00	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:27.9DEG
Operators:QC1
Test Date:2024-04-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks: