

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

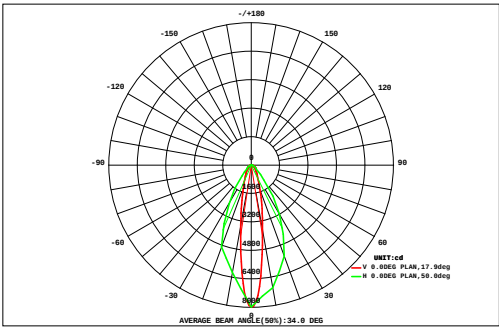
Maximum Intensity (Luminaire orientation as tested.)		2231.6 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	84.0V x 53.9H
	At 50% of Imax	50.0V x 18.0H
	At 90% of Imax	11.7V x 6.4H
Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	697.0 lumens per klm.
	To 50% of Imax	303.4 lumens per klm.
	To 90% of Imax	34.0 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:2024-08-09

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:221.5V I:0.3064A P:66.16W PF:0.9748 Lamp Flux:3576.72x1 lm		
NAME: 8.01.017.0017 15x55°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202408040
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:54.06lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	7982	
NOMINAL POWER(W)	66	AVAILABILITY(%)	70.1
RATED VOLTAGE(V)	222	Avai. FLUX(lm)	2509
NOMINAL FLUX(lm)	3576.72	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3577
TEST VOLTAGE(V)	221.5	θ @50%(H,V)	18,50DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT: lm			Φ t	Φ a	
	72	0.01	0.20	0.61	1.12	1.67	2.24	2.78	3.22	3.47	3.48	3.26	2.85	2.34	1.77	1.18	0.66	0.26	0.03	31.2	0.00
	64	0.14	0.53	1.17	1.95	2.82	3.63	4.37	4.94	5.25	5.28	5.03	4.52	3.79	2.90	2.02	1.24	0.61	0.18	50.4	0.00
	56	0.26	0.81	1.65	2.60	3.58	4.51	5.43	6.29	6.93	6.97	6.40	5.56	4.66	3.72	2.75	1.79	0.96	0.36	65.2	0.00
	48	0.40	1.09	2.06	3.12	4.24	5.54	7.13	9.47	13.1	13.4	9.86	7.44	5.82	4.49	3.33	2.24	1.26	0.51	94.5	12.9
	40	0.56	1.35	2.40	3.55	4.98	7.04	10.0	16.0	28.9	29.3	16.4	10.4	7.43	5.32	3.76	2.53	1.46	0.62	152	77.7
	32	0.65	1.51	2.64	4.02	5.93	8.77	13.5	26.0	58.8	57.8	25.9	14.1	9.38	6.37	4.26	2.78	1.64	0.74	245	179
	24	0.71	1.61	2.80	4.39	6.70	10.3	17.4	35.7	86.1	87.7	38.1	18.7	11.3	7.28	4.76	3.04	1.78	0.82	339	281
		0.74	1.67	2.89	4.58	7.11	11.3	20.7	44.4	103	114	53.8	25.1	13.3	8.11	5.15	3.21	1.89	0.89	422	368
		0.77	1.72	2.96	4.73	7.39	12.0	23.0	50.5	116	131	62.9	28.9	14.3	8.44	5.30	3.28	1.92	0.91	476	424
		0.81	1.77	3.03	4.84	7.52	12.2	23.5	51.4	120	126	58.2	26.7	13.5	8.06	5.10	3.19	1.87	0.87	469	416
		0.76	1.71	2.94	4.62	7.03	10.9	18.5	38.1	89.4	97.9	44.8	21.4	12.1	7.51	4.83	3.05	1.80	0.85	368	311
	-24	0.67	1.54	2.69	4.15	6.22	9.25	14.4	27.8	71.8	82.3	35.4	17.1	10.6	6.87	4.52	2.91	1.72	0.80	301	238
	-32	0.54	1.36	2.40	3.71	5.42	7.73	11.3	19.4	44.8	53.1	25.3	13.2	8.82	5.98	4.03	2.68	1.60	0.72	212	144
	-40	0.38	1.15	2.12	3.26	4.63	6.32	8.68	13.1	23.0	24.9	14.9	9.60	6.98	4.99	3.52	2.40	1.41	0.57	132	57.1
	-48	0.22	0.88	1.82	2.78	3.88	5.07	6.48	7.97	8.75	8.02	7.59	6.50	5.25	4.06	3.05	2.05	1.11	0.36	75.9	0.00
-56	0.09	0.52	1.33	2.24	3.20	4.01	4.54	4.85	4.72	4.77	4.94	4.61	4.05	3.38	2.56	1.64	0.79	0.25	52.5	0.00	
-64	0.01	0.22	0.74	1.46	2.18	2.88	3.50	3.99	4.28	4.33	4.12	3.70	3.10	2.44	1.76	1.10	0.48	0.13	40.4	0.00	
-72	0.00	0.04	0.27	0.71	1.15	1.62	2.06	2.44	2.69	2.75	2.60	2.29	1.87	1.42	0.98	0.56	0.20	0.04	23.7	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)					16	24	32	40	48	56	64	72
Φ t	7.72	19.7	36.5	57.8	85.6	125	197	366	792	853	419	223	138	93.1	62.8	40.3	22.8	9.65	3549	---	
Φ a	0.00	0.00	0.00	0.00	0.00	7.68	111	304	746	811	361	144	24.6	0.00	0.00	0.00	0.00	0.00	---	2509	

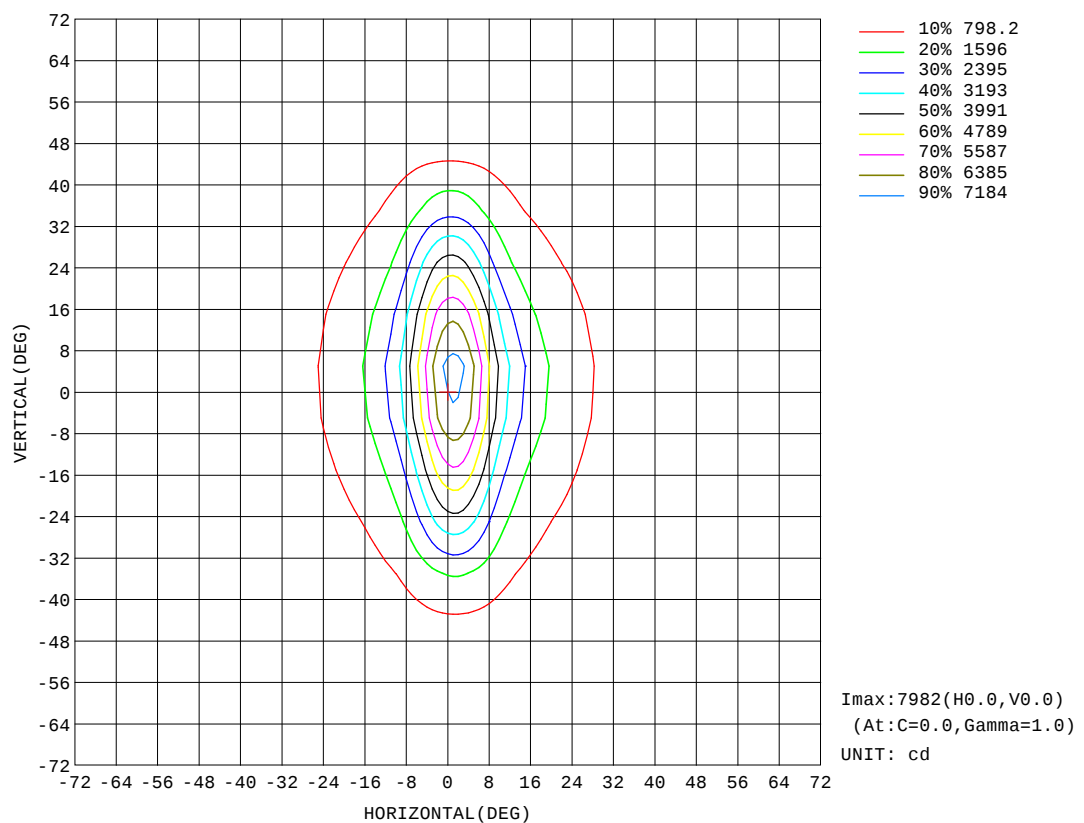
one-half-peak spread: U:23.9,D:26.5 , L:8.8,R:8.8 Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-09

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:221.5V I:0.3064A P:66.16W PF:0.9748 Lamp Flux:3576.72x1 lm		
NAME: 8.01.017.0017 15x55°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202408040
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

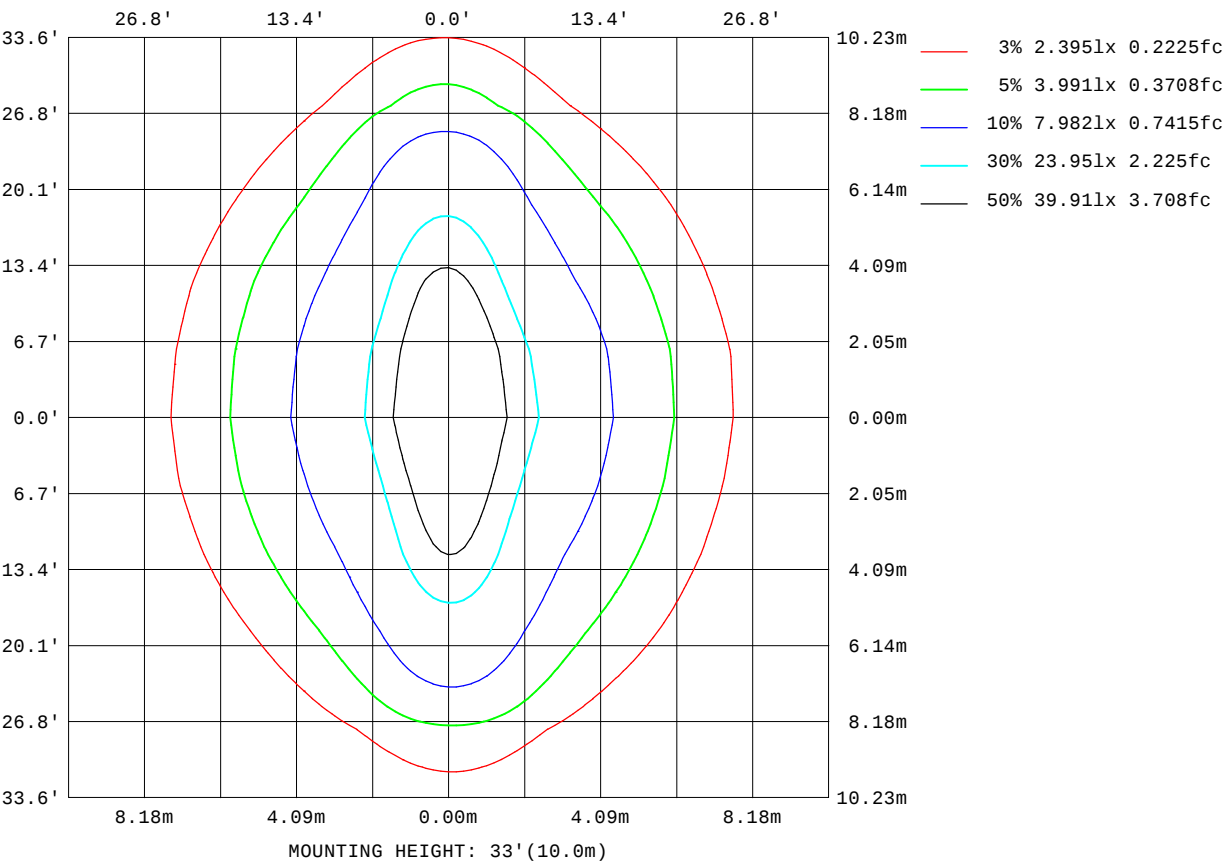


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ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:202408040
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

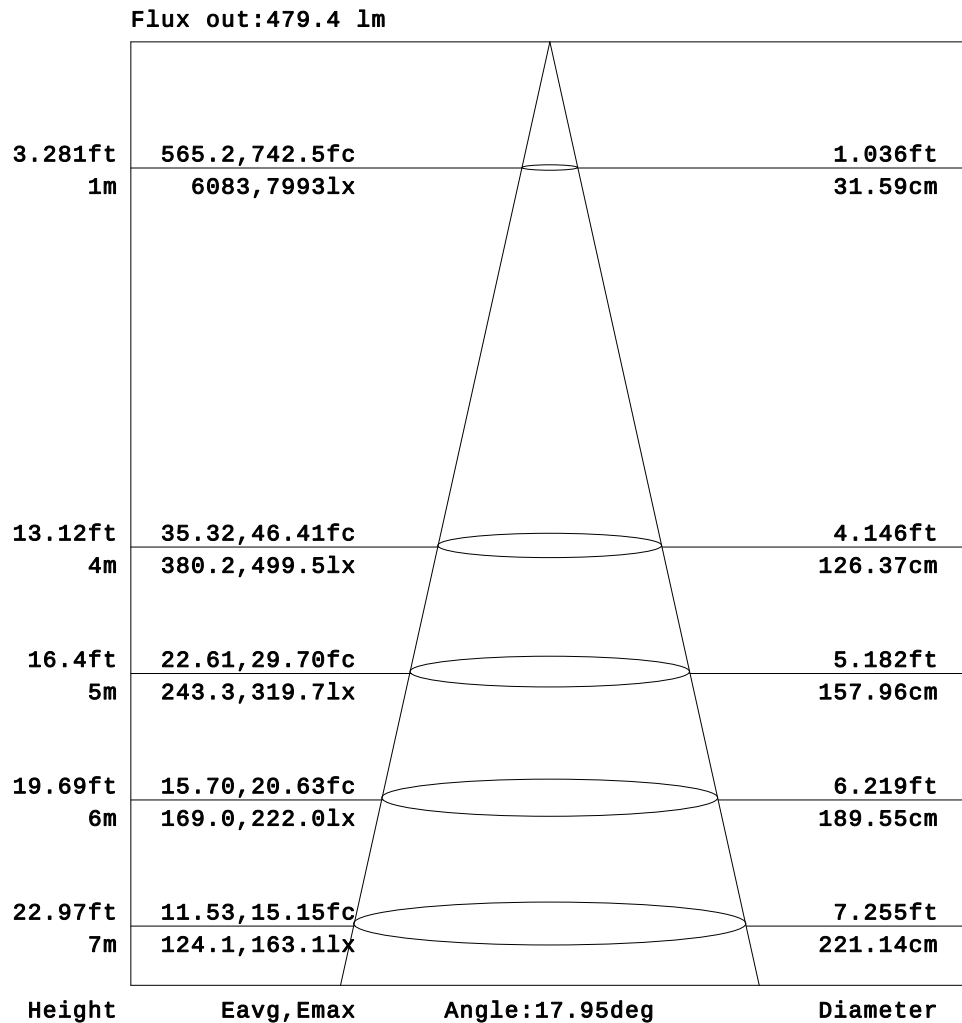


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-09

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:221.5V I:0.3064A P:66.16W PF:0.9748 Lamp Flux:3576.72x1 lm		
NAME: 8.01.017.0017 15x55°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202408040
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

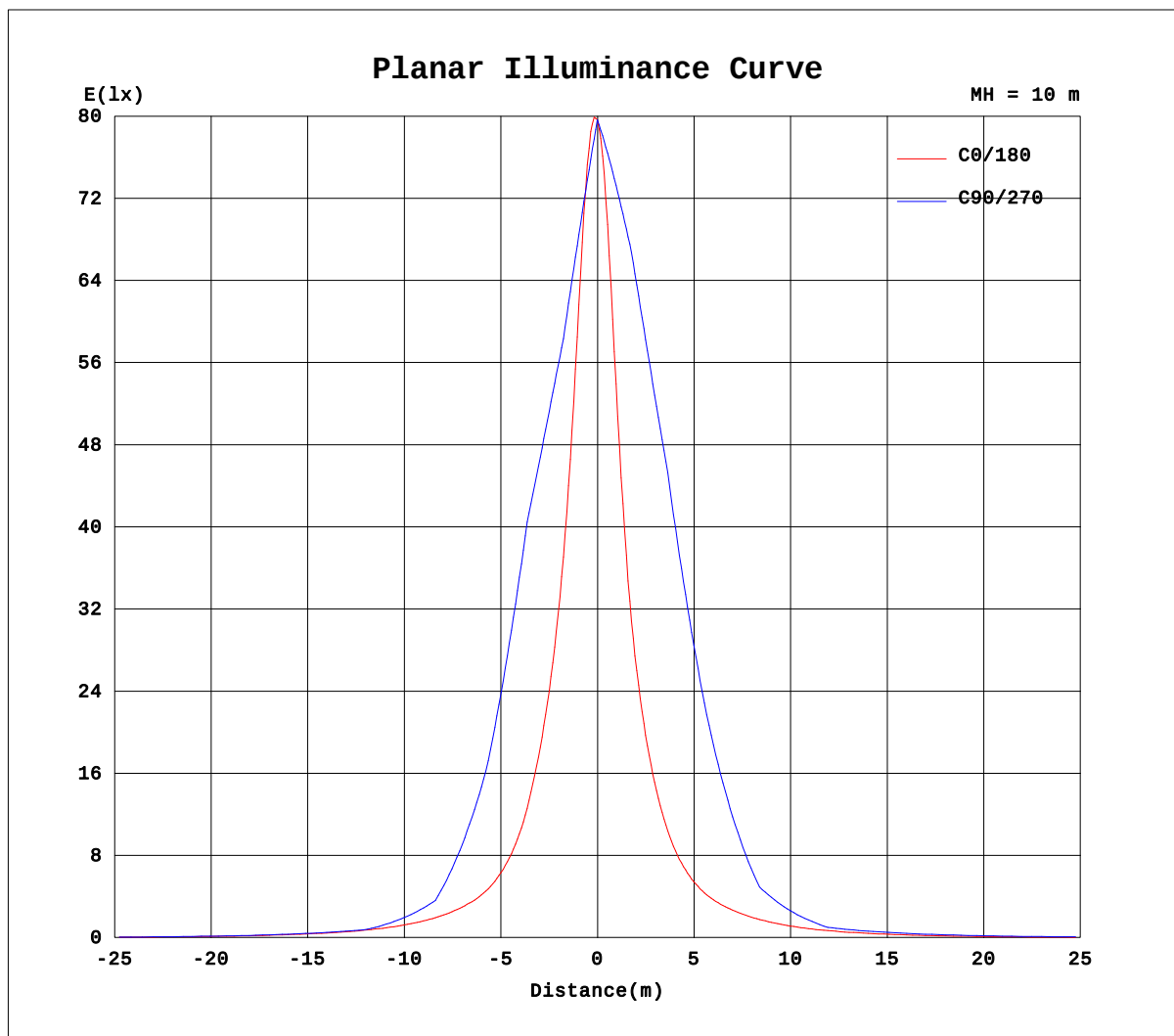


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
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Operators:QC1
Test Date:2024-08-09

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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
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Remarks:

Planar Illuminance Curve



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Test Date:2024-08-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:									SPEC.:						SERIAL No.:202408040		
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	1.22	6.34	11.9	17.8	23.4	27.9	30.6
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19	9.04	17.5	23.1	28.8	35.2	43.2	51.2	58.9	65.9	71.5	74.9
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.03	21.5	37.0	48.7	60.4	72.3	83.2	93.5	103	111	117	120
-65	0.00	0.00	0.00	0.00	0.00	2.07	10.5	23.6	44.4	66.3	83.6	99.7	115	128	141	152	161	168	171
-60	0.00	0.00	0.00	0.00	0.00	6.64	25.2	47.6	76.3	102	125	145	163	179	193	205	214	220	224
-55	0.00	0.00	0.00	0.00	1.42	14.6	38.2	67.5	100	129	154	179	200	216	230	244	254	262	267
-50	0.00	0.00	0.00	0.00	7.02	30.4	62.0	99.8	137	166	195	223	244	259	273	287	298	307	311
-45	0.00	0.00	0.00	0.00	11.6	39.6	76.5	116	152	182	212	243	273	302	336	375	425	499	559
-40	0.00	0.00	0.00	1.26	25.8	62.2	106	148	180	211	243	277	312	358	413	480	578	722	814
-35	0.00	0.00	0.00	3.49	31.3	74.3	116	155	191	225	263	304	351	408	485	594	799	1223	1638
-30	0.00	0.00	0.00	12.4	51.7	101	142	178	217	254	298	349	409	485	592	766	1149	1933	2513
-25	0.00	0.00	0.00	17.7	56.2	103	143	184	223	263	312	370	441	534	668	885	1357	2470	3641
-20	0.00	0.00	0.00	36.6	78.6	117	164	205	245	290	348	416	505	629	810	1130	1886	3590	4894
-15	0.00	0.00	0.65	30.3	73.6	118	161	205	247	295	355	428	523	661	878	1249	2008	3677	5422
-10	0.00	0.00	5.80	41.4	88.5	133	178	221	267	322	389	473	587	766	1061	1591	2615	4637	6128
-5	0.00	0.00	1.93	35.7	80.6	127	171	215	260	315	383	468	582	770	1097	1666	2706	4818	6955
0	0.00	0.00	8.47	47.9	93.3	138	182	225	272	334	407	502	637	879	1314	2063	3419	6081	7982
5	0.00	0.00	2.19	37.9	82.0	127	171	215	260	316	386	474	595	799	1166	1819	2958	5204	7397
10	0.00	0.00	6.75	44.9	89.0	133	178	221	268	325	396	488	617	834	1223	1924	3169	5460	6995
15	0.00	0.00	1.48	34.8	77.3	121	165	208	252	303	368	449	558	727	1013	1522	2479	4410	6170
20	0.00	0.00	5.30	41.1	83.4	127	169	211	254	305	370	447	554	712	961	1401	2380	4316	5440
25	0.00	0.00	0.58	29.0	68.3	110	152	194	235	278	332	397	482	601	780	1080	1731	3118	4295
30	0.00	0.00	1.63	31.8	70.0	111	151	193	232	271	318	376	451	551	692	939	1508	2588	3176
35	0.00	0.00	0.01	20.0	54.3	92.4	132	172	210	245	282	327	386	460	558	712	1028	1651	2134
40	0.00	0.00	0.00	21.0	53.6	89.8	128	167	202	232	264	300	348	404	473	575	748	992	1100
45	0.00	0.00	0.00	9.23	36.8	69.2	104	142	177	208	237	267	300	338	382	441	529	660	743
50	0.00	0.00	0.00	7.43	32.5	62.1	95.1	131	164	195	222	246	267	288	311	336	358	378	386
55	0.00	0.00	0.00	1.59	17.3	41.7	69.1	101	131	160	187	211	232	252	272	292	308	322	329
60	0.00	0.00	0.00	0.00	11.2	31.8	55.0	83.4	110	136	162	185	205	224	241	255	264	270	273
65	0.00	0.00	0.00	0.00	3.83	14.2	31.8	52.8	75.4	96.0	117	136	153	169	184	197	207	213	216
70	0.00	0.00	0.00	0.00	0.00	3.05	16.2	31.7	48.9	64.0	78.9	93.4	107	121	133	144	152	158	160
75	0.00	0.00	0.00	0.00	0.00	0.47	6.73	14.1	22.9	32.1	42.5	53.0	63.6	74.0	84.2	93.6	102	107	110
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.31	10.3	16.8	23.9	31.4	39.2	46.8	53.5	58.0	59.6
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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DIM.:	SPEC.:	SERIAL No.:202408040
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	30.8	28.5	24.7	20.0	15.2	10.5	6.14	2.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	75.5	73.2	68.7	62.7	55.8	48.6	41.2	33.7	26.7	20.9	12.9	6.88	1.84	0.00	0.00	0.00	0.00	0.00
-70	120	116	110	103	93.6	83.7	73.3	62.4	51.1	39.0	23.2	12.3	1.55	0.00	0.00	0.00	0.00	0.00
-65	172	168	162	154	143	131	117	103	88.0	72.2	51.6	30.5	16.3	6.02	0.00	0.00	0.00	0.00
-60	222	218	211	200	187	172	156	138	119	98.3	71.4	43.8	25.2	8.29	0.00	0.00	0.00	0.00
-55	266	261	253	241	227	212	196	178	157	132	104	70.9	42.6	21.1	4.29	0.00	0.00	0.00
-50	309	301	291	276	261	246	229	210	186	155	125	85.7	50.4	25.6	5.39	0.00	0.00	0.00
-45	540	467	404	360	325	295	265	238	212	182	151	114	73.4	38.9	13.7	0.01	0.00	0.00
-40	746	603	497	428	376	331	290	255	227	197	162	127	80.9	41.0	13.9	0.00	0.00	0.00
-35	1509	1025	707	555	466	396	337	288	251	218	184	148	106	62.7	24.9	0.70	0.00	0.00
-30	2093	1281	837	641	525	436	364	304	261	225	191	154	114	67.2	23.3	0.00	0.00	0.00
-25	3220	1886	1115	797	627	507	417	345	290	247	209	170	129	85.5	40.7	4.55	0.00	0.00
-20	3824	2074	1220	872	675	538	438	362	301	253	211	170	128	84.7	41.5	2.24	0.00	0.00
-15	4783	2782	1632	1096	799	611	487	398	328	272	227	185	142	98.8	54.4	12.3	0.00	0.00
-10	4953	2877	1766	1175	835	626	496	403	329	272	226	183	140	95.1	49.6	9.67	0.00	0.00
-5	6104	3654	2231	1435	963	693	539	433	353	289	240	196	151	106	59.2	17.0	0.00	0.00
0	6255	3700	2309	1456	959	683	535	429	349	286	236	191	144	97.5	51.0	9.97	0.00	0.00
5	6442	3895	2396	1531	1008	716	556	445	362	294	243	198	152	106	59.6	17.1	0.00	0.00
10	5571	3313	2070	1342	913	667	527	424	345	281	232	187	142	96.5	50.3	9.71	0.00	0.00
15	5253	3119	1883	1250	878	656	519	421	345	283	235	191	146	101	55.4	14.5	0.00	0.00
20	4053	2266	1382	976	736	578	467	384	318	265	220	177	132	87.2	43.0	5.60	0.00	0.00
25	3554	2056	1244	887	685	548	449	373	311	261	218	177	134	90.4	47.0	9.81	0.00	0.00
30	2424	1407	918	702	572	473	397	335	282	239	200	161	119	76.0	34.9	2.24	0.00	0.00
35	1819	1159	785	612	509	429	365	314	269	231	195	156	116	74.7	35.6	4.36	0.00	0.00
40	940	710	562	475	410	357	312	275	242	209	175	136	96.6	57.1	22.1	0.01	0.00	0.00
45	683	556	463	403	358	320	286	256	226	195	162	126	89.8	53.4	21.2	0.61	0.00	0.00
50	377	357	336	312	290	269	248	225	198	168	136	102	68.2	35.8	9.21	0.00	0.00	0.00
55	326	314	300	282	264	244	222	198	173	145	116	86.5	57.2	29.4	7.17	0.00	0.00	0.00
60	271	266	258	246	230	210	186	162	136	110	84.8	59.2	34.7	12.9	0.00	0.00	0.00	0.00
65	215	211	203	193	180	164	146	127	105	84.4	63.7	43.5	24.0	8.41	0.19	0.00	0.00	0.00
70	158	153	145	135	124	111	97.9	83.0	66.3	50.1	34.4	19.9	5.83	0.00	0.00	0.00	0.00	0.00
75	108	104	97.4	89.1	79.9	70.2	60.1	49.7	38.3	27.2	18.7	11.4	4.25	0.00	0.00	0.00	0.00	0.00
80	57.7	53.0	46.7	39.4	32.1	25.0	18.2	11.8	5.79	0.22	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

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:28.0DEG
 Operators:QC1
 Test Date:2024-08-09

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