

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

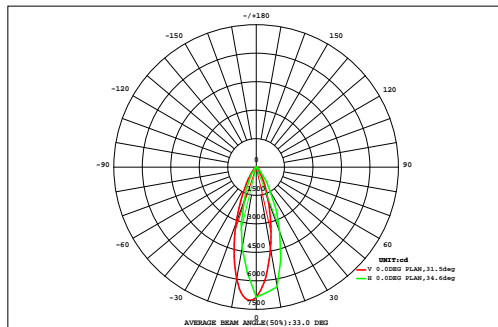
Maximum Intensity (Luminaire orientation as tested.)		2382.6 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	67.0V x 63.0H 34.4V x 31.5H 14.1V x 11.5H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	1000.0 lumens per klm. 855.4 lumens per klm. 433.1 lumens per klm. 80.4 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:35DEG
Operators:QC1
Test Date:2022-07-29

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:49%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.1671A P:36.14W PF:0.9787 Lamp Flux:2949.98x1 lm		
NAME: 8.01.016.0004 LWW-P2T-W38A-L12-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2022070061
MFR.: TPK	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:81.63lm/W	
MODEL LWW-P2T-W38A-L12-S	Imax(cd)	7029	
NOMINAL POWER(W)	36	AVAILABILITY(%)	86.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	2538
NOMINAL FLUX(lm)	2949.98	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2950
TEST VOLTAGE(V)	221.1	θ @50%(H,V)	31,34DEG

AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
45	0.40	0.63	0.95	1.33	1.77	2.23	2.65	2.94	3.04	2.91	2.60	2.17	1.71	1.28	0.93	0.63	0.41	0.24	28.8	0.00
40	0.52	0.83	1.25	1.76	2.37	3.03	3.63	4.05	4.19	4.01	3.55	2.93	2.28	1.70	1.22	0.83	0.54	0.31	39.0	0.00
35	0.71	1.18	1.89	2.90	4.25	5.85	7.45	8.65	9.09	8.61	7.38	5.76	4.17	2.84	1.87	1.19	0.74	0.43	75.0	51.5
30	0.87	1.48	2.42	3.81	5.70	8.00	10.3	12.1	12.7	12.0	10.2	7.91	5.62	3.74	2.39	1.50	0.93	0.54	102	82.8
25	1.09	1.96	3.43	5.81	9.30	13.8	18.5	22.4	23.8	22.2	18.3	13.5	9.07	5.63	3.35	1.96	1.14	0.64	176	161
20	1.28	2.38	4.28	7.45	12.2	18.3	25.0	30.4	32.4	30.2	24.7	18.0	11.9	7.18	4.16	2.37	1.34	0.75	234	221
15	1.41	2.67	4.99	9.02	15.3	23.7	33.1	41.1	44.2	40.9	32.9	23.5	15.0	8.91	5.00	2.73	1.49	0.81	307	295
	1.55	3.00	5.74	10.6	18.3	28.7	40.7	50.9	54.9	50.7	40.6	28.7	18.1	10.6	5.83	3.12	1.66	0.89	375	363
	1.51	2.91	5.53	10.1	17.3	27.4	38.7	48.5	52.3	47.9	38.0	26.8	17.1	10.0	5.52	2.97	1.59	0.85	355	343
	1.52	2.96	5.64	10.3	17.7	28.1	39.9	50.1	54.1	49.4	38.9	27.3	17.4	10.2	5.59	2.99	1.60	0.85	365	353
	1.29	2.43	4.51	8.05	13.6	20.9	29.0	35.7	38.4	35.5	28.6	20.5	13.4	8.08	4.59	2.53	1.38	0.75	269	257
	1.13	2.10	3.80	6.61	11.0	16.4	22.1	26.7	28.5	26.7	22.0	16.2	10.8	6.73	3.94	2.23	1.23	0.68	209	195
-15	0.90	1.63	2.87	4.83	7.71	11.3	15.1	18.0	19.1	17.9	14.8	11.0	7.52	4.78	2.89	1.70	0.97	0.54	144	128
-20	0.70	1.20	2.01	3.17	4.67	6.44	8.08	9.21	9.59	9.08	7.80	6.15	4.46	3.03	1.98	1.24	0.75	0.42	80.0	56.1
-25	0.53	0.90	1.48	2.31	3.43	4.76	6.05	7.00	7.33	6.93	5.92	4.63	3.37	2.30	1.50	0.95	0.57	0.33	60.3	32.4
-30	0.35	0.56	0.84	1.19	1.59	2.01	2.37	2.59	2.65	2.56	2.33	2.00	1.62	1.22	0.88	0.60	0.39	0.23	26.0	0.00
-35	0.26	0.43	0.66	0.96	1.33	1.74	2.10	2.35	2.43	2.32	2.05	1.70	1.32	0.98	0.68	0.45	0.28	0.16	22.2	0.00
-40	0.15	0.23	0.33	0.44	0.54	0.64	0.69	0.72	0.71	0.70	0.67	0.62	0.54	0.45	0.34	0.24	0.15	0.08	8.24	0.00
-45	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)	10	15	20	25	30	35	40	45			
Φ t	16.2	29.5	52.6	90.7	148	223	305	373	399	371	301	219	145	89.6	52.7	30.2	17.2	9.52	2874	---
Φ a	0.00	0.00	23.7	70.5	130	209	292	360	386	357	288	204	126	68.5	21.7	0.00	0.00	0.00	---	2538

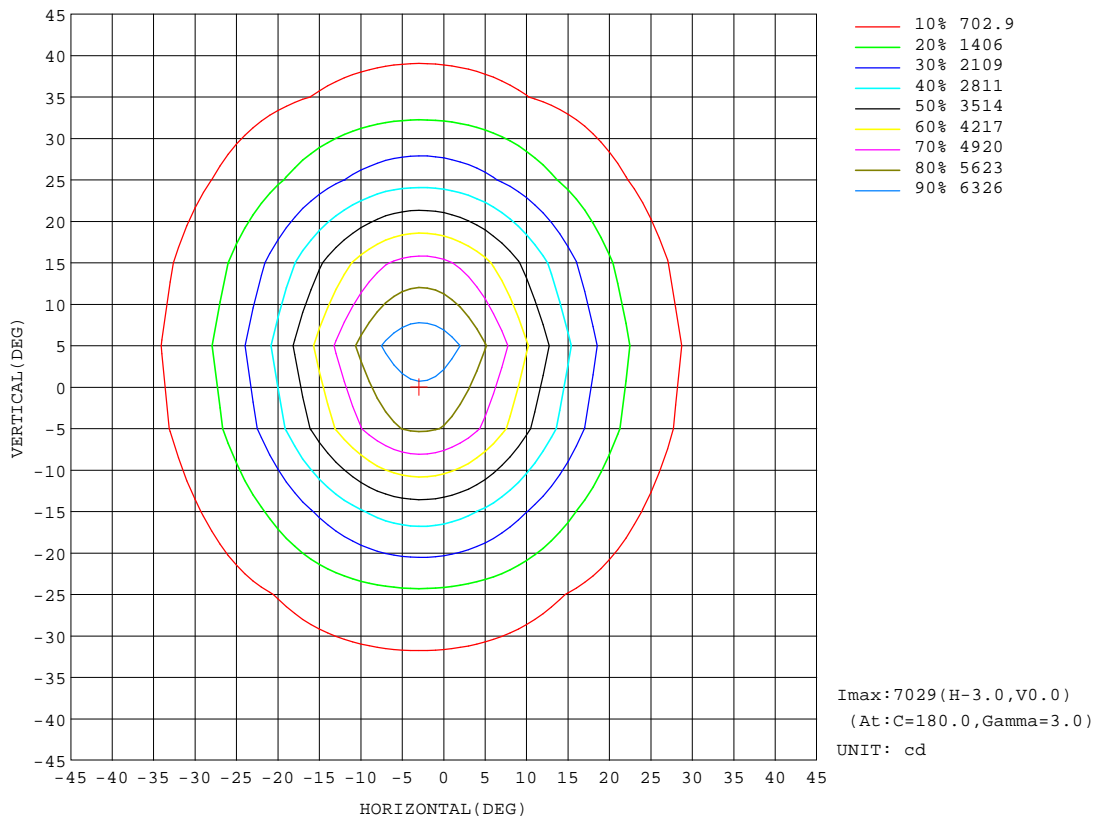
one-half-peak spread: U:13.7,D:21.0 , L:15.7,R:16.1 NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:35DEG
Operators:QC1
Test Date:2022-07-29

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:49%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.9V I:0.1671A P:36.14W PF:0.9787 Lamp Flux:2949.98x1 lm		
NAME: 8.01.016.0004 LWW-P2T-W38A-L12-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2022070061
MFR.: TPK	SUR.:	PROTECTION ANGLE:

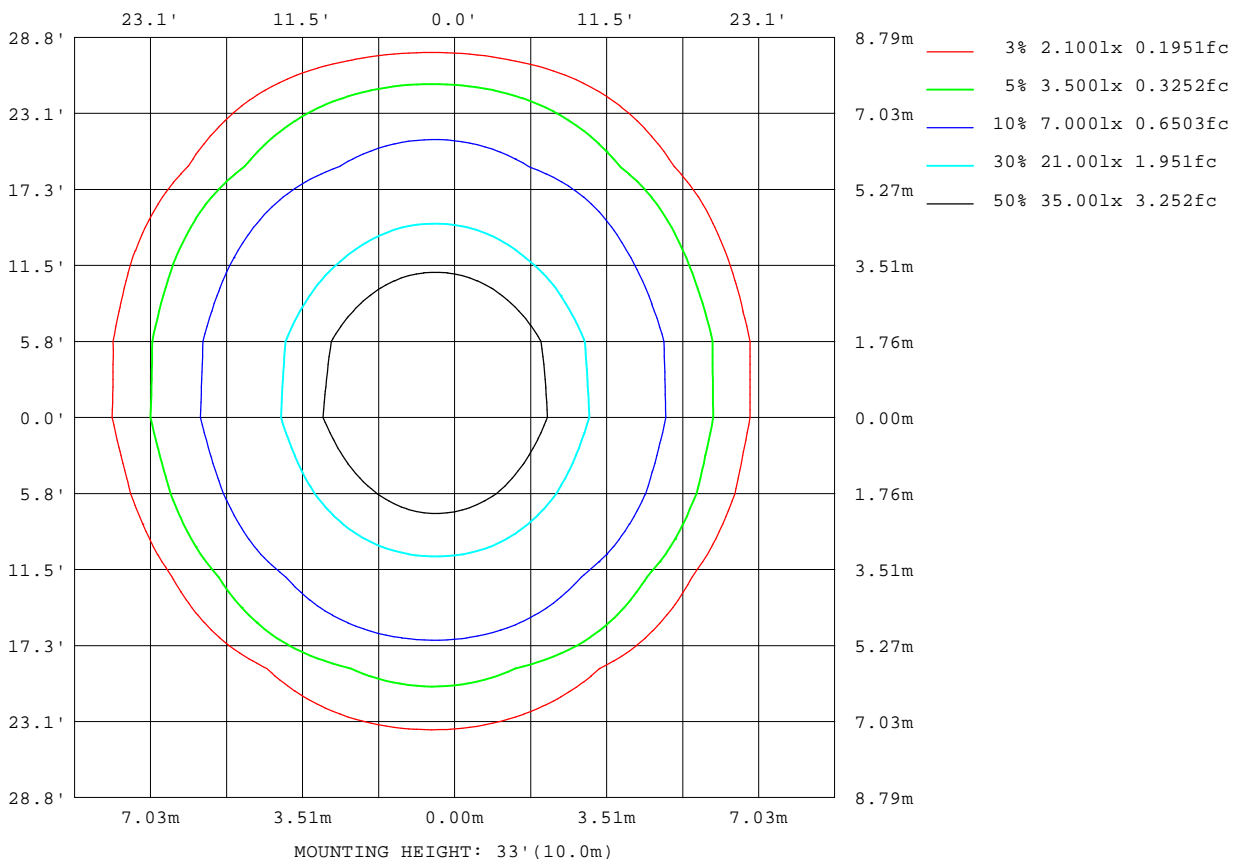


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Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:2022070061
MFR.: TPK	SUR.:	PROTECTION ANGLE:



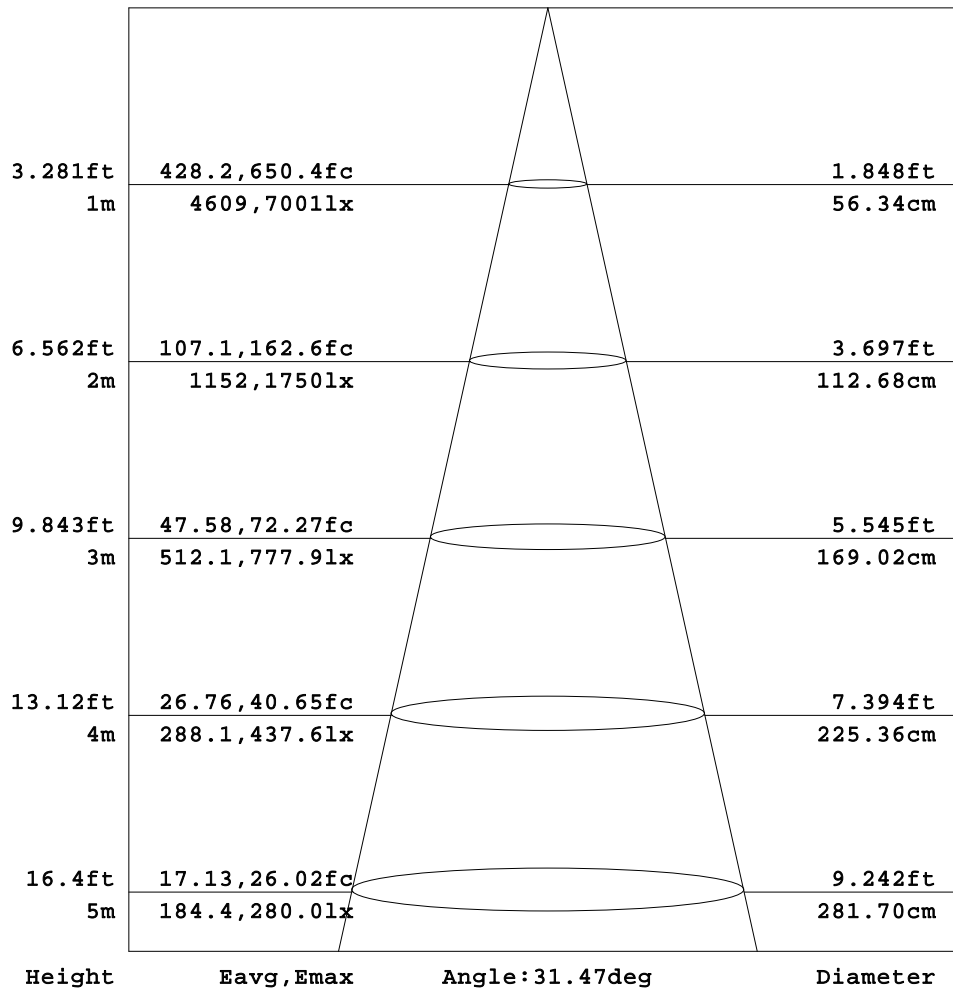
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Temperature:35DEG
Operators:QC1
Test Date:2022-07-29

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V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:49%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

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NAME: 8.01.016.0004 LWW-P2T-W38A-L12-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2022070061
MFR.: TPK	SUR.:	PROTECTION ANGLE:

Flux out:1191 lm

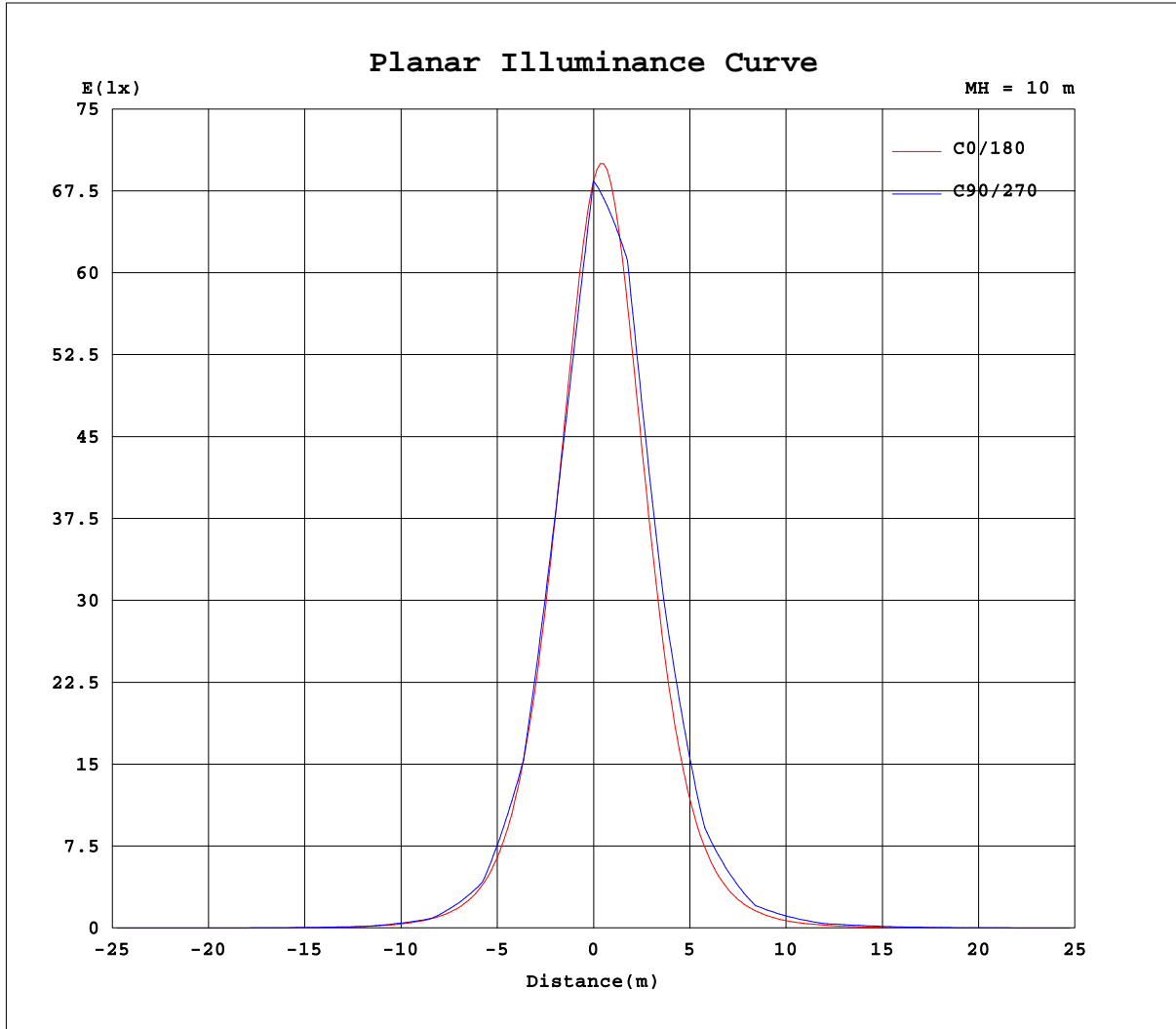


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:35DEG
Operators:QC1
Test Date:2022-07-29

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:49%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



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V(B) Range:-80 - 80DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: 8.01.016.0004 LWW-P2T-W38A-L12-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2022070061
MFR.: TPK	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	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	1.59	3.24	5.26	9.20	12.3	12.9	12.7
-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	3.17	6.49	10.5	18.4	24.6	25.8	25.4
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	4.05	7.49	11.6	17.8	23.7	29.8	37.4	43.2	45.3	44.9	
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	8.10	15.0	23.2	32.4	40.9	49.1	56.4	61.9	64.7	64.3	
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.42	9.00	18.4	30.0	44.2	61.0	79.3	98.8	117	130	136	134
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.84	16.1	28.7	45.0	65.1	89.6	118	149	177	197	207	204
-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.22	12.9	26.0	45.1	71.0	107	153	211	280	348	402	426
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	18.9	35.9	61.4	97.0	148	216	305	411	519	607	653
-25	0.00	0.00	0.00	0.00	0.00	1.22	10.7	26.2	49.3	85.2	139	223	345	515	729	958	1152	1264	1254
-20	0.00	0.00	0.00	0.00	0.00	2.43	15.0	33.4	62.7	109	182	298	474	724	1047	1396	1698	1874	1860
-15	0.00	0.00	0.00	0.00	0.00	4.39	18.2	40.1	75.8	135	232	393	655	1050	1589	2200	2763	3111	3091
-10	0.00	0.00	0.00	0.00	0.00	6.34	21.4	46.7	88.8	161	282	489	836	1376	2132	3004	3829	4348	4321
-5	0.00	0.00	0.00	0.00	0.00	7.52	23.9	51.7	98.5	179	321	567	990	1660	2613	3779	4902	5635	5583
0	0.00	0.00	0.00	0.00	0.00	8.70	26.4	56.6	108	198	359	645	1144	1944	3094	4553	5976	6923	6844
5	0.00	0.00	0.00	0.00	0.00	8.49	26.1	56.3	108	197	353	632	1120	1907	3023	4420	5788	6681	6623
10	0.00	0.00	0.00	0.00	0.00	8.28	25.8	56.0	107	195	347	619	1095	1871	2951	4286	5600	6439	6402
15	0.00	0.00	0.00	0.00	0.00	7.13	23.7	51.9	99.0	178	310	540	930	1550	2402	3431	4421	5053	5019
20	0.00	0.00	0.00	0.00	0.00	5.99	21.6	47.7	90.8	161	273	461	765	1229	1853	2576	3243	3667	3636
25	0.00	0.00	0.00	0.00	0.00	3.83	17.8	40.6	77.2	135	224	366	587	912	1340	1828	2271	2546	2526
30	0.00	0.00	0.00	0.00	0.00	1.67	14.0	33.4	63.6	109	176	271	408	594	827	1079	1299	1425	1416
35	0.00	0.00	0.00	0.00	0.00	0.84	10.4	26.4	50.8	86.6	138	208	303	427	578	737	873	949	943
40	0.00	0.00	0.00	0.00	0.00	0.00	6.83	19.4	38.0	64.4	99.7	144	198	259	329	394	447	474	470
45	0.00	0.00	0.00	0.00	0.00	0.00	3.41	13.3	27.3	47.0	72.9	105	143	186	232	273	306	323	321
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.07	16.6	29.7	46.2	65.9	88.6	112	134	152	166	173	171
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.54	9.37	19.3	30.9	44.6	59.9	75.9	90.5	103	112	117	116
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	8.85	15.6	23.2	31.2	39.6	47.1	53.8	58.9	61.5	61.5
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	4.43	7.79	11.6	17.1	22.8	27.9	33.0	36.9	38.6	38.5
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	2.87	5.95	8.82	12.1	14.8	15.7	15.5
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	1.43	2.98	4.41	6.07	7.42	7.84	7.73
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

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Humidity:49%
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DIM.:	SPEC.:	SERIAL No.:2022070061
MFR.: TPK	SUR.:	PROTECTION 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	12.1	11.0	7.79	3.18	0.78	0.00	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	24.2	22.0	15.6	6.35	1.55	0.00	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	42.6	38.4	31.2	22.2	15.5	10.6	6.95	3.80	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-50	60.9	54.9	46.8	38.0	29.4	21.2	13.9	7.60	1.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-45	126	112	94.5	76.5	59.0	42.7	28.8	17.9	8.60	3.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-40	190	168	142	115	88.5	64.2	43.7	28.1	15.8	7.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-35	390	334	268	205	149	105	70.8	45.5	26.8	13.6	4.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-30	591	499	394	294	210	146	97.9	62.9	37.7	20.1	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-25	1122	914	688	486	329	216	139	86.3	51.3	27.8	12.3	2.31	0.00	0.00	0.00	0.00	0.00	0.00
-20	1654	1330	983	678	447	286	180	110	64.8	35.5	16.3	4.61	0.00	0.00	0.00	0.00	0.00	0.00
-15	2716	2120	1514	1004	630	383	229	137	79.9	43.6	20.6	6.80	0.00	0.00	0.00	0.00	0.00	0.00
-10	3777	2910	2046	1330	813	480	279	164	95.1	51.7	24.9	8.99	0.00	0.00	0.00	0.00	0.00	0.00
-5	4794	3634	2503	1591	947	545	312	181	104	56.5	27.3	9.99	0.01	0.00	0.00	0.00	0.00	0.00
0	5810	4358	2961	1853	1081	611	345	199	112	61.3	29.6	11.0	0.02	0.00	0.00	0.00	0.00	0.00
5	5661	4276	2903	1817	1065	605	343	198	113	61.9	30.1	11.2	0.01	0.00	0.00	0.00	0.00	0.00
10	5512	4194	2846	1782	1050	598	341	197	114	62.5	30.7	11.5	0.00	0.00	0.00	0.00	0.00	0.00
15	4349	3342	2306	1463	879	513	300	178	104	56.7	27.4	9.78	0.00	0.00	0.00	0.00	0.00	0.00
20	3186	2489	1767	1144	708	428	260	160	93.3	51.0	24.1	8.07	0.00	0.00	0.00	0.00	0.00	0.00
25	2231	1768	1280	853	546	341	215	135	79.8	43.5	20.1	6.03	0.00	0.00	0.00	0.00	0.00	0.00
30	1276	1047	793	563	383	255	170	110	66.3	36.0	16.0	3.99	0.00	0.00	0.00	0.00	0.00	0.00
35	856	712	550	402	284	195	132	86.0	51.7	27.4	11.6	2.00	0.00	0.00	0.00	0.00	0.00	0.00
40	435	376	308	242	184	135	94.8	62.1	37.1	18.9	7.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	299	262	218	174	134	98.5	69.1	44.7	26.2	12.8	3.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	162	147	128	106	83.6	62.4	43.4	27.4	15.3	6.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	110	100	86.5	71.2	56.1	41.3	28.2	17.1	7.78	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	58.4	52.9	45.3	36.9	28.5	20.2	12.9	6.80	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	36.5	32.9	27.2	20.8	14.8	10.1	6.46	3.40	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	14.6	13.0	9.17	4.81	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	7.32	6.51	4.59	2.40	0.52	0.00	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
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:35DEG
Operators:QC1
Test Date:2022-07-29

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:49%
Test Distance:8.300m [K=1.0000]
Remarks: