

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

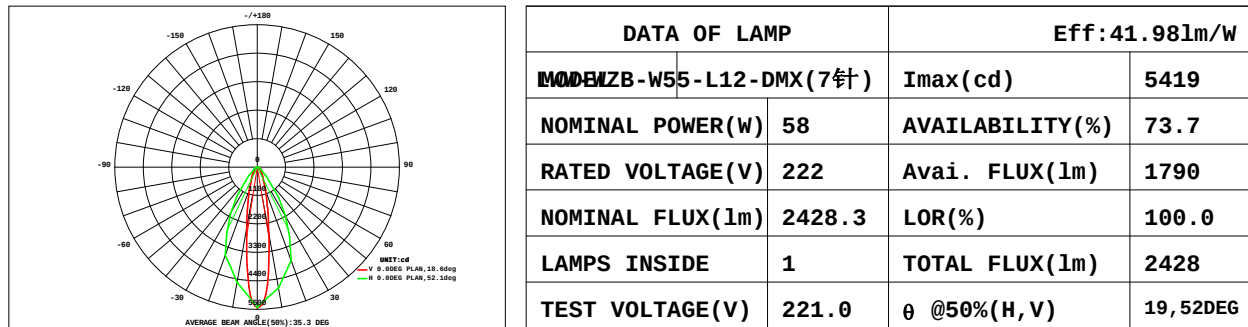
Maximum Intensity (Luminaire orientation as tested.)		2231.5 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	86.4V x 51.7H
	At 50% of Imax	52.0V x 18.6H
	At 90% of Imax	12.9V x 7.5H
Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	733.7 lumens per klm.
	To 50% of Imax	348.2 lumens per klm.
	To 90% of Imax	47.2 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:2024-08-24

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:221.0V I:0.2693A P:57.85W PF:0.9719 Lamp Flux:2428.3x1 lm		
NAME: 8.01.017.0090 15x55° LWW-WZB-W55-L12-DMX(7针)TYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:2024080114
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



		AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
VERTICAL (DEG)	72	0.00	0.01	0.05	0.25	0.53	0.85	1.18	1.47	1.65	1.67	1.53	1.28	0.98	0.66	0.35	0.10	0.01	0.00	12.6	0.00		
	64	0.00	0.11	0.45	0.92	1.43	1.94	2.41	2.80	3.04	3.07	2.89	2.57	2.12	1.58	1.03	0.55	0.18	0.00	27.1	0.00		
	56	0.04	0.31	0.80	1.40	1.99	2.54	3.10	3.64	4.06	4.13	3.81	3.31	2.75	2.16	1.55	0.95	0.43	0.09	37.1	0.00		
	48	0.10	0.51	1.10	1.74	2.41	3.17	4.16	5.71	8.29	8.77	6.31	4.60	3.52	2.68	1.93	1.25	0.64	0.19	57.1	7.90		
	40	0.21	0.69	1.31	1.98	2.84	4.08	6.04	10.1	19.3	20.5	11.3	6.68	4.57	3.20	2.20	1.42	0.77	0.26	97.5	51.6		
	32	0.27	0.78	1.44	2.27	3.45	5.27	8.49	16.9	39.9	41.7	18.6	9.32	5.82	3.85	2.55	1.62	0.89	0.34	164	122		
	24	0.31	0.84	1.57	2.52	3.90	6.22	10.9	23.4	59.4	64.6	27.5	12.4	7.06	4.48	2.89	1.78	0.98	0.40	231	194		
		0.33	0.88	1.64	2.70	4.23	6.90	13.1	29.3	70.1	80.3	37.3	16.2	8.26	4.94	3.12	1.91	1.06	0.44	283	248		
		0.35	0.92	1.71	2.83	4.44	7.41	14.9	34.3	79.6	90.9	43.3	18.5	8.87	5.12	3.22	1.96	1.09	0.45	320	286		
		0.37	0.95	1.76	2.89	4.56	7.74	15.9	36.4	84.4	90.8	41.3	17.6	8.46	4.93	3.13	1.91	1.05	0.43	325	291		
		0.34	0.91	1.68	2.79	4.36	7.06	13.1	28.4	66.8	75.3	34.9	15.3	7.86	4.68	2.99	1.85	1.03	0.42	270	234		
	-24	0.29	0.82	1.55	2.52	3.90	6.06	10.1	20.5	53.2	63.3	28.2	12.3	6.88	4.31	2.79	1.73	0.97	0.40	220	181		
	-32	0.22	0.71	1.37	2.23	3.40	5.09	7.86	14.5	35.3	43.2	20.7	9.47	5.73	3.74	2.48	1.58	0.89	0.35	159	118		
	-40	0.14	0.60	1.21	1.94	2.87	4.12	5.97	9.85	19.6	22.1	12.2	6.75	4.51	3.10	2.12	1.39	0.77	0.27	99.6	54.9		
	-48	0.06	0.47	1.04	1.67	2.37	3.22	4.29	5.85	7.48	7.02	5.61	4.39	3.34	2.48	1.78	1.17	0.60	0.14	53.0	2.44		
	-56	0.01	0.22	0.76	1.36	1.97	2.45	2.79	2.94	2.75	2.82	3.02	2.82	2.45	2.04	1.54	0.94	0.40	0.06	31.3	0.00		
-64	0.00	0.04	0.33	0.80	1.31	1.80	2.23	2.57	2.78	2.82	2.66	2.34	1.92	1.46	1.00	0.56	0.17	0.02	24.8	0.00			
-72	0.00	0.00	0.06	0.25	0.53	0.83	1.12	1.36	1.52	1.56	1.46	1.25	0.99	0.70	0.42	0.18	0.04	0.00	12.3	0.00			
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72			
Φ t	3.05	9.77	19.8	33.0	50.5	76.8	128	250	559	625	303	147	86.1	56.1	37.1	22.9	12.0	4.26	2422	---			
Φ a	0.00	0.00	0.00	0.00	0.00	2.57	70.2	212	531	599	268	96.8	11.3	0.00	0.00	0.00	0.00	0.00	---	1790			

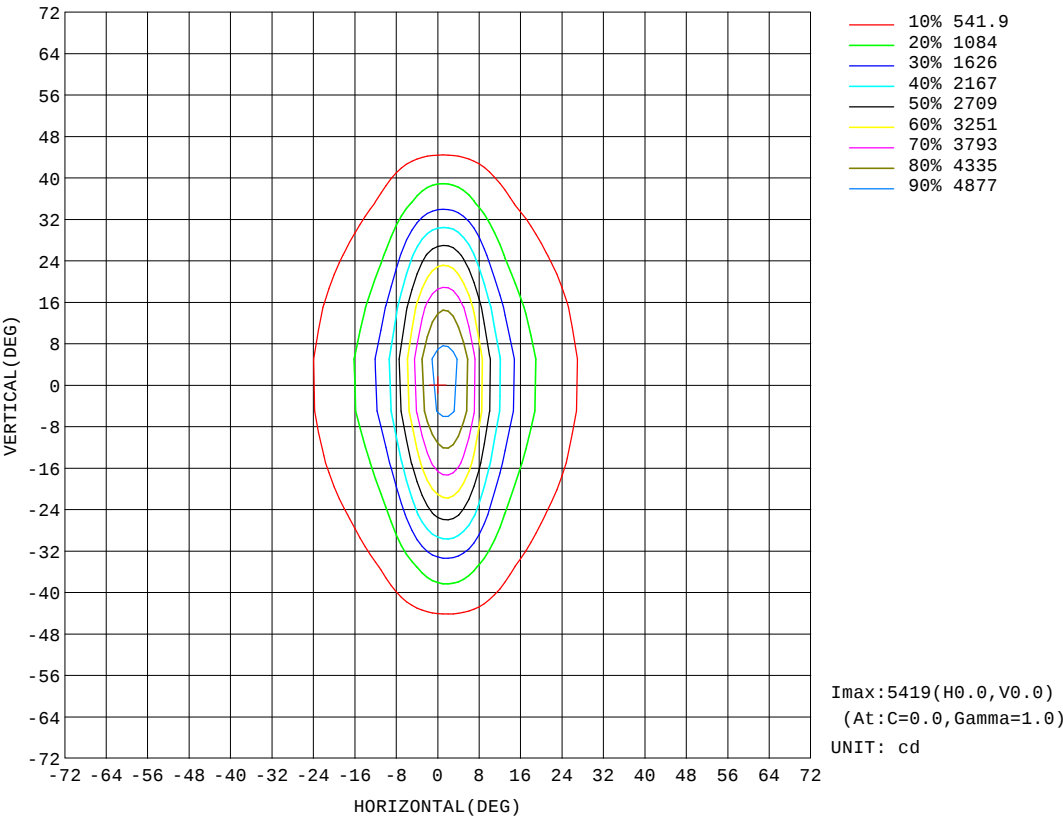
one-half-peak spread: U:25.6,D:26.7 , L:9.0,R:5.4 Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-24

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

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DIM.:	SPEC.:	SERIAL No.:2024080114
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

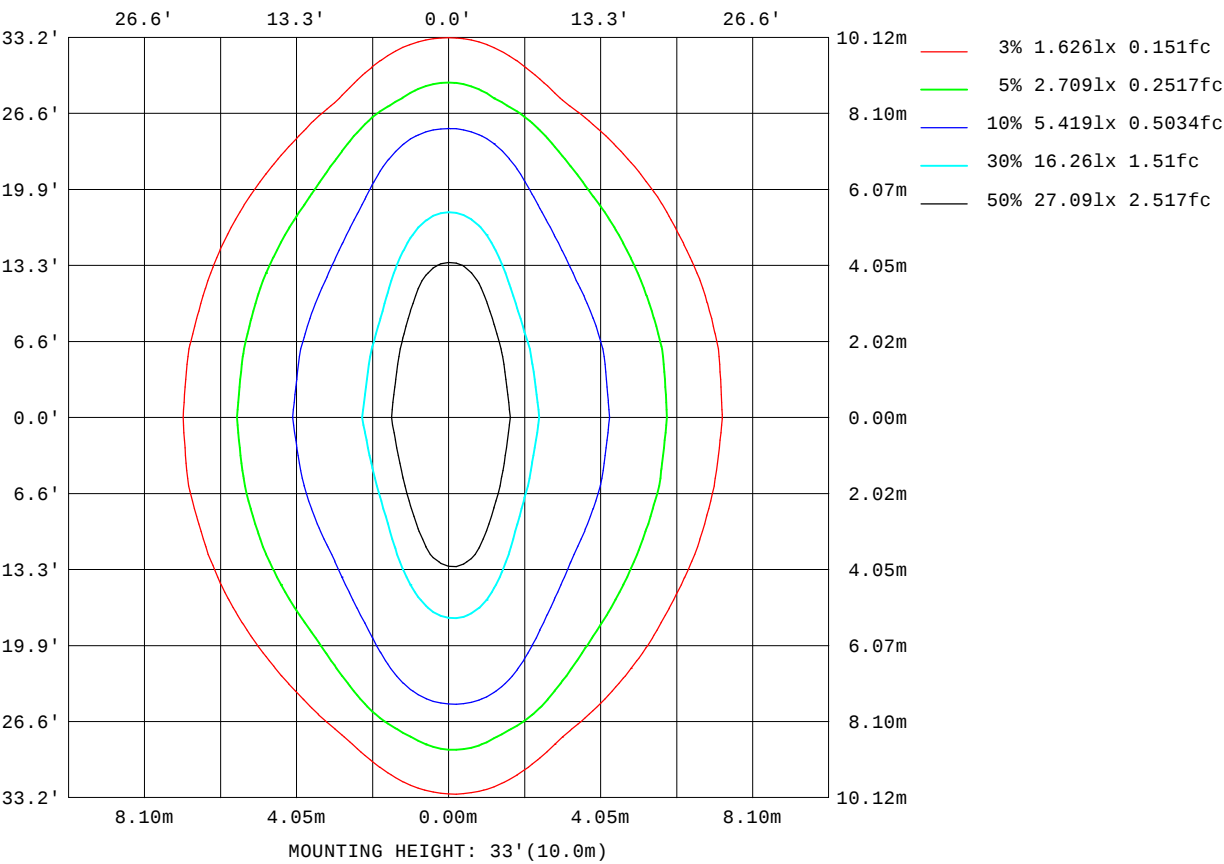


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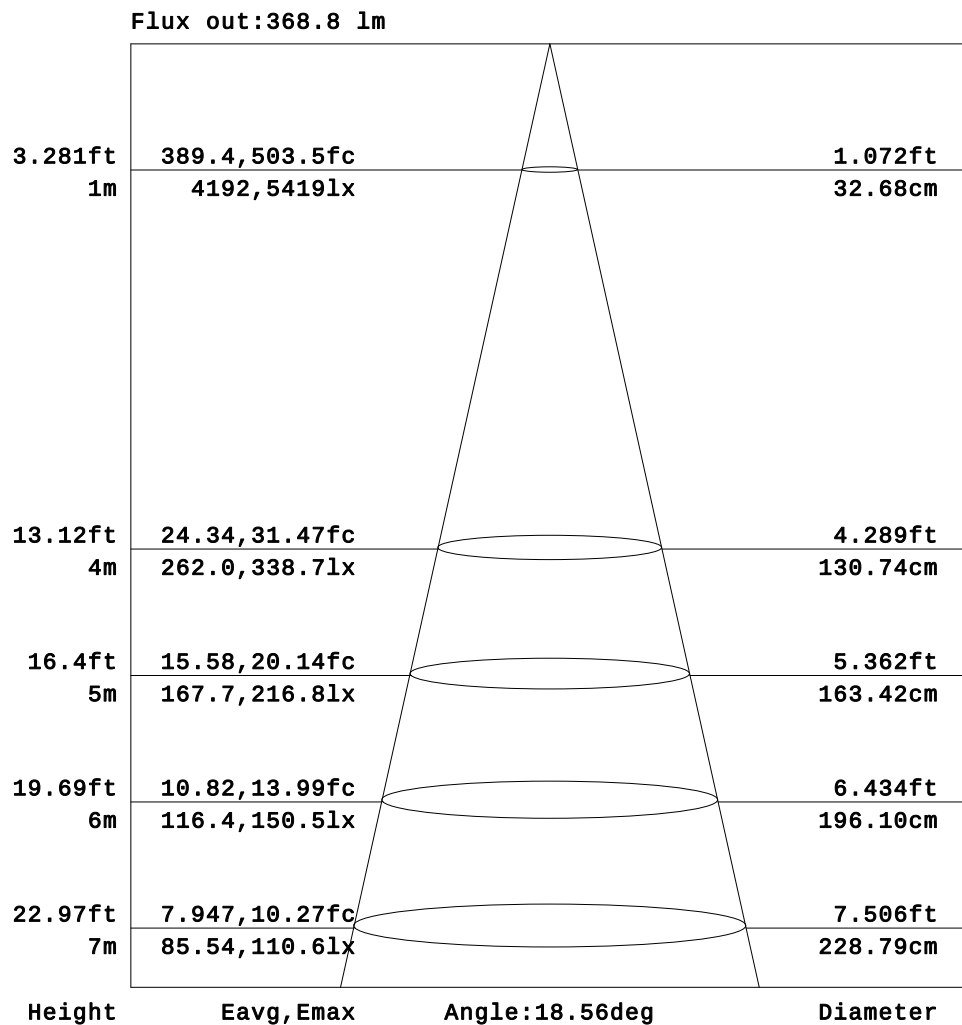


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Test Date:2024-08-24

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

AAI Figure

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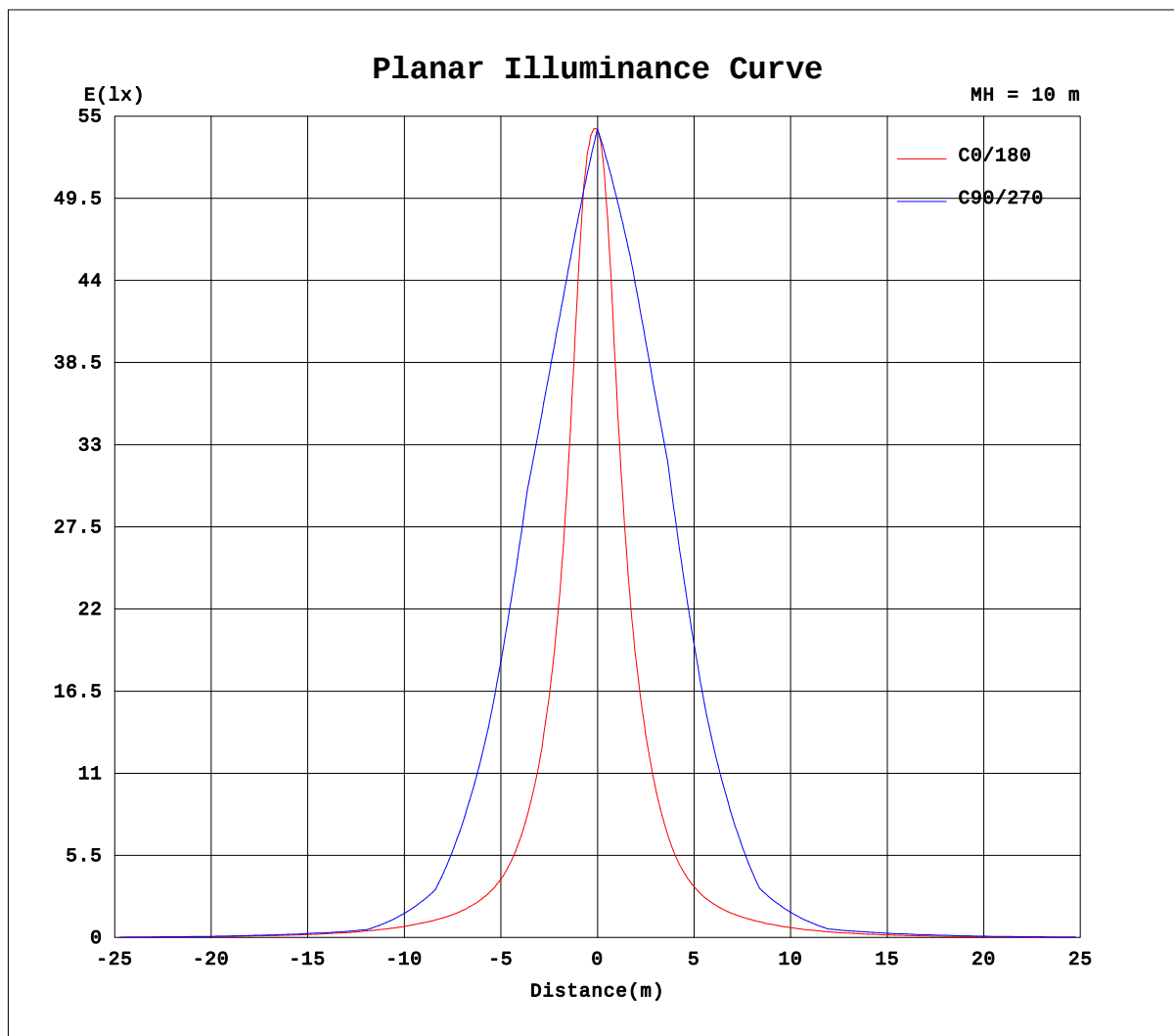


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Remarks:

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:	SPEC.:	SERIAL No.:2024080114
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	1.22	2.29
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	7.05	10.8	14.7	18.3	21.8	24.9	27.7	30.3	32.2
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	8.32	15.6	23.1	30.9	38.1	44.9	51.0	56.3	60.4	62.5
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.38	7.33	16.4	29.3	41.7	53.2	63.8	73.5	82.3	90.0	96.3	101	104
-60	0.00	0.00	0.00	0.00	0.00	0.00	2.74	18.0	37.6	55.7	72.5	87.6	101	113	123	132	138	143	146
-55	0.00	0.00	0.00	0.00	0.00	1.80	12.1	32.0	54.4	74.0	92.5	109	123	134	145	155	164	172	177
-50	0.00	0.00	0.00	0.00	0.00	7.06	28.3	55.1	80.0	100	120	137	150	160	171	182	193	203	209
-45	0.00	0.00	0.00	0.00	0.35	12.9	37.4	64.0	88.6	109	129	149	170	192	219	254	306	390	461
-40	0.00	0.00	0.00	0.00	3.43	27.5	57.8	83.1	105	125	147	170	199	234	279	344	448	613	721
-35	0.00	0.00	0.00	0.00	6.29	33.0	60.4	86.0	110	133	159	189	224	270	331	424	609	999	1369
-30	0.00	0.00	0.00	0.00	18.2	48.8	75.0	99.0	124	151	183	220	266	328	414	558	890	1573	2067
-25	0.00	0.00	0.00	0.52	18.7	48.5	75.4	101	128	157	192	232	284	357	464	638	1019	1899	2787
-20	0.00	0.00	0.00	4.87	31.3	58.5	86.1	115	144	176	215	263	327	423	569	822	1409	2671	3626
-15	0.00	0.00	0.00	1.92	27.5	56.6	85.0	114	143	177	217	266	333	437	609	905	1493	2734	3992
-10	0.00	0.00	0.00	8.13	36.5	65.6	94.6	124	155	194	238	293	373	507	742	1156	1945	3429	4521
-5	0.00	0.00	0.00	4.04	31.5	61.3	90.6	120	151	188	231	284	363	495	739	1172	1946	3442	4905
0	0.00	0.00	0.00	10.7	39.5	68.6	98.3	128	160	198	244	302	395	558	872	1424	2395	4235	5419
5	0.00	0.00	0.00	4.41	32.5	61.4	90.8	120	151	188	231	284	363	500	754	1212	2024	3576	5028
10	0.00	0.00	0.00	8.87	37.2	65.9	95.0	124	155	193	237	292	374	519	780	1248	2125	3710	4746
15	0.00	0.00	0.00	2.58	29.5	57.9	86.3	115	144	177	216	265	334	446	638	978	1644	3008	4241
20	0.00	0.00	0.00	5.85	33.2	61.2	88.9	116	144	176	214	261	330	436	603	899	1578	2965	3833
25	0.00	0.00	0.00	0.82	23.4	51.0	78.3	105	130	158	191	231	284	365	486	689	1134	2125	2979
30	0.00	0.00	0.00	0.92	24.5	51.7	78.2	103	127	152	182	219	267	334	432	599	991	1752	2179
35	0.00	0.00	0.00	0.01	13.9	39.7	66.2	91.3	114	136	160	188	224	272	339	445	661	1103	1448
40	0.00	0.00	0.00	0.00	13.3	38.3	64.4	89.0	110	129	148	170	198	233	280	351	471	650	740
45	0.00	0.00	0.00	0.00	4.35	23.4	47.5	71.9	94.0	114	132	151	170	194	223	262	323	416	482
50	0.00	0.00	0.00	0.00	0.31	17.8	40.5	64.0	86.4	107	124	139	151	165	179	193	208	221	227
55	0.00	0.00	0.00	0.00	0.00	6.86	22.1	42.1	62.1	81.5	98.8	114	127	140	153	166	177	187	193
60	0.00	0.00	0.00	0.00	0.00	0.00	11.4	28.2	45.7	63.5	79.8	94.7	109	121	133	143	151	156	159
65	0.00	0.00	0.00	0.00	0.00	0.00	4.19	12.4	21.8	34.6	47.0	58.8	70.2	80.8	90.8	99.5	107	112	115
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.93	10.9	19.1	27.6	36.1	44.5	52.4	59.5	65.5	69.8	71.6
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	4.62	8.72	12.9	17.2	21.4	25.4	29.1	32.2	35.1	36.9
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	1.46	2.35
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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SPEC.:		
SUR.:		

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	2.02	0.62	0.00	0.00	0.00	0.00	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	32.3	30.7	28.3	25.9	22.9	19.6	16.1	12.4	8.65	4.85	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	62.1	59.8	55.8	50.6	44.6	37.8	30.8	23.4	15.8	8.15	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	104	101	96.4	90.1	82.4	73.7	64.3	54.0	43.1	31.7	19.1	8.57	1.33	0.00	0.00	0.00	0.00	0.00
-60	145	141	135	127	117	106	93.8	80.4	66.0	50.6	32.9	13.8	0.68	0.00	0.00	0.00	0.00	0.00
-55	176	170	162	152	141	130	119	106	91.9	74.6	55.4	33.4	13.1	2.06	0.00	0.00	0.00	0.00
-50	206	197	185	172	160	149	139	127	111	91.3	69.4	44.2	18.9	1.38	0.00	0.00	0.00	0.00
-45	445	360	286	241	210	184	163	144	126	106	85.3	61.6	35.1	10.7	0.00	0.00	0.00	0.00
-40	656	489	366	296	248	210	179	153	133	113	92.3	68.7	40.5	12.1	0.00	0.00	0.00	0.00
-35	1297	865	539	392	310	252	210	177	150	128	105	81.5	55.0	26.3	2.51	0.00	0.00	0.00
-30	1796	1072	634	449	347	276	227	189	159	133	109	84.6	57.9	29.0	1.21	0.00	0.00	0.00
-25	2589	1558	861	571	420	324	261	215	179	148	121	95.0	68.0	39.5	9.69	0.00	0.00	0.00
-20	3028	1671	931	619	447	343	275	225	186	151	123	95.0	66.9	37.7	8.87	0.00	0.00	0.00
-15	3689	2214	1232	782	534	391	305	247	203	165	134	105	76.2	46.5	16.7	0.00	0.00	0.00
-10	3820	2236	1299	823	551	398	307	249	204	166	134	104	73.6	43.3	13.2	0.00	0.00	0.00
-5	4517	2723	1564	966	622	436	332	266	217	176	142	111	80.5	49.8	19.4	0.00	0.00	0.00
0	4569	2606	1527	940	598	423	324	261	213	172	137	106	75.0	44.0	13.8	0.00	0.00	0.00
5	4595	2753	1595	985	631	443	338	269	220	178	143	112	80.7	49.7	19.4	0.00	0.00	0.00
10	3957	2297	1356	856	567	411	318	256	208	169	136	105	73.8	43.1	13.3	0.00	0.00	0.00
15	3804	2236	1269	812	552	405	317	256	209	170	137	107	76.6	46.3	16.8	0.00	0.00	0.00
20	3062	1669	950	640	464	358	287	235	193	156	126	96.7	67.2	37.5	8.93	0.00	0.00	0.00
25	2631	1524	863	587	435	338	274	226	187	154	125	97.0	68.5	39.6	11.6	0.00	0.00	0.00
30	1782	1026	630	460	360	289	239	200	168	140	113	86.0	58.3	30.2	3.73	0.00	0.00	0.00
35	1300	830	531	397	318	262	220	187	158	133	109	83.0	56.3	29.3	4.74	0.00	0.00	0.00
40	646	474	362	297	251	216	187	161	139	117	94.4	69.5	43.4	17.8	0.01	0.00	0.00	0.00
45	451	360	291	249	217	192	170	150	130	109	86.9	63.2	38.8	15.1	0.39	0.00	0.00	0.00
50	223	213	200	186	172	159	145	130	113	92.5	70.2	47.2	24.4	3.68	0.00	0.00	0.00	0.00
55	192	185	176	165	153	141	126	111	93.9	75.4	55.8	35.8	16.7	3.73	0.00	0.00	0.00	0.00
60	158	154	148	139	129	117	102	85.0	68.0	50.7	33.4	16.7	1.75	0.00	0.00	0.00	0.00	0.00
65	115	111	106	99.6	91.4	81.8	70.4	57.8	44.8	31.6	18.8	9.96	2.27	0.00	0.00	0.00	0.00	0.00
70	70.6	67.5	62.7	56.8	49.9	42.2	34.0	25.5	16.4	7.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	36.5	34.4	31.9	29.0	25.7	21.9	17.8	13.6	9.11	4.54	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	1.86	0.30	0.00	0.00	0.00	0.00	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:2024-08-24

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: