

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

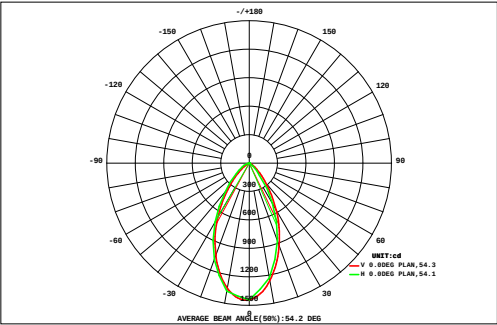
Maximum Intensity (Luminaire orientation as tested.)		1082.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	95.8V x 96.1H
	At 50% of Imax	54.1V x 54.4H
	At 90% of Imax	19.7V x 20.0H
Beam Flux	Total	999.3 lumens per klm.
	To 10% of Imax	915.9 lumens per klm.
	To 50% of Imax	529.7 lumens per klm.
	To 90% of Imax	91.0 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.9 %
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:2025-08-06

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.3969A P:29.15W PF:0.6268 Freq:50.00Hz Lamp Flux:1334.93x1 lm		
NAME: SP-PZT-R135-6P-RDM-2	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2025080048
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:45.80lm/W	
MODE	SP-PZT-R135-6P-RDM-2	Imax(cd)	1444
NOMINAL POWER(W)	29	AVAILABILITY(%)	92.0
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	1229
NOMINAL FLUX(lm)	1334.93	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1335
TEST VOLTAGE(V)	120	θ @50%(H,V)	54,54DEG

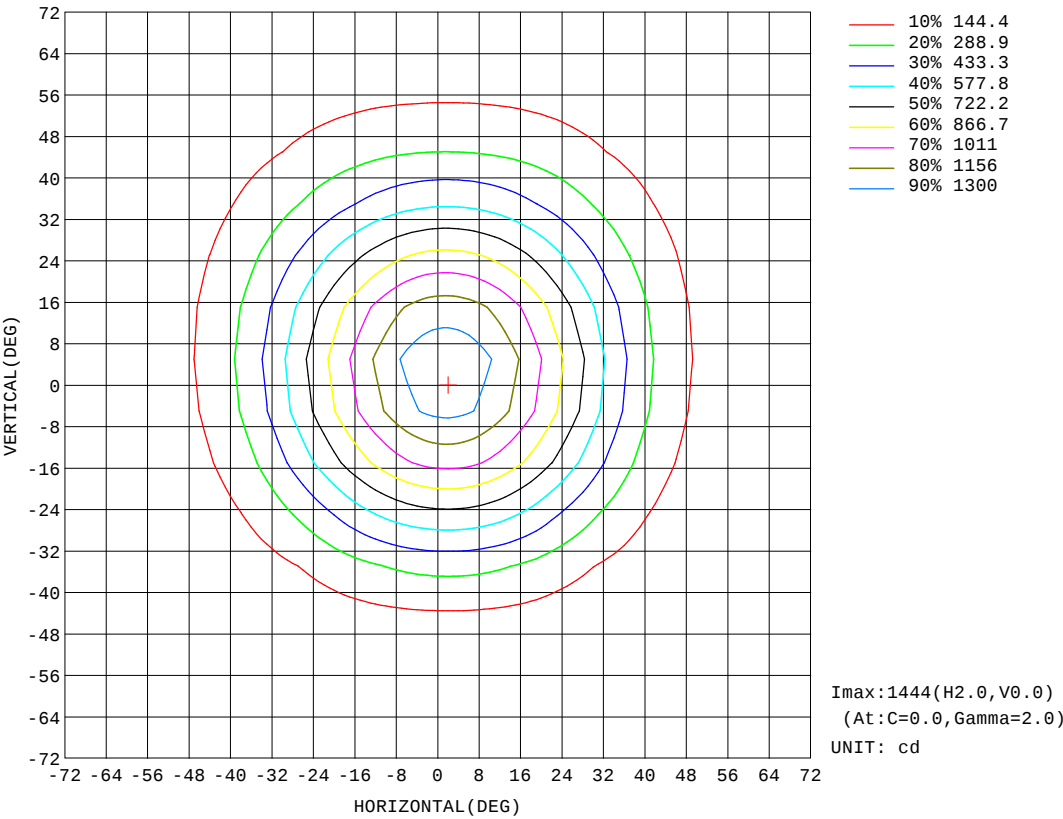
AREA FLUX DIAGRAM																	UNIT:lm			Φ t	Φ a
VERTICAL (DEG)	72	0.00	0.00	0.01	0.06	0.26	0.48	0.68	0.83	0.92	0.92	0.85	0.71	0.53	0.31	0.11	0.01	0.00	0.00	6.68	0.00
	64	0.00	0.00	0.12	0.38	0.70	1.03	1.32	1.55	1.68	1.69	1.59	1.38	1.09	0.76	0.43	0.15	0.01	0.00	13.9	0.00
	56	0.00	0.06	0.29	0.68	1.16	1.71	2.29	2.80	3.11	3.16	2.93	2.45	1.86	1.28	0.76	0.34	0.09	0.00	25.0	10.4
	48	0.01	0.14	0.47	1.02	1.78	2.76	3.88	4.92	5.60	5.70	5.20	4.23	3.08	2.00	1.15	0.55	0.18	0.01	42.7	34.8
	40	0.02	0.23	0.66	1.42	2.64	4.34	6.33	8.26	9.54	9.74	8.79	7.00	4.92	3.02	1.63	0.75	0.27	0.04	69.6	64.2
	32	0.04	0.29	0.82	1.88	3.74	6.38	9.63	12.8	14.9	15.3	13.7	10.8	7.34	4.36	2.26	0.98	0.35	0.06	106	101
	24	0.06	0.35	0.99	2.38	4.88	8.67	13.3	17.5	20.4	20.8	18.7	14.7	9.96	5.75	2.86	1.17	0.41	0.08	143	139
		0.06	0.37	1.07	2.69	5.68	10.3	15.8	21.0	24.8	25.4	22.6	17.6	12.0	6.85	3.29	1.32	0.45	0.09	171	168
		0.06	0.37	1.09	2.80	6.05	11.1	17.0	22.8	27.1	27.8	24.6	19.0	13.0	7.35	3.46	1.36	0.45	0.09	185	182
		0.05	0.34	1.01	2.63	5.79	10.7	16.5	22.1	26.3	27.0	23.8	18.4	12.5	7.04	3.29	1.26	0.42	0.07	179	176
		0.03	0.27	0.82	2.18	4.79	8.98	14.1	18.7	22.1	22.7	20.3	15.9	10.8	6.01	2.78	1.07	0.36	0.06	152	148
	-24	0.01	0.20	0.61	1.56	3.45	6.56	10.5	14.1	16.5	16.9	15.2	11.9	7.82	4.30	1.98	0.78	0.26	0.03	113	109
-32	0.00	0.12	0.40	0.98	2.16	4.01	6.52	9.07	10.7	11.0	9.85	7.52	4.80	2.70	1.28	0.52	0.17	0.01	71.7	66.5	
-40	0.00	0.05	0.23	0.53	1.10	1.98	3.23	4.55	5.42	5.58	5.00	3.76	2.39	1.39	0.70	0.31	0.09	0.00	36.3	28.2	
-48	0.00	0.01	0.11	0.26	0.45	0.81	1.17	1.52	1.78	1.83	1.64	1.32	0.97	0.57	0.31	0.14	0.02	0.00	12.9	0.88	
-56	0.00	0.00	0.00	0.07	0.20	0.30	0.40	0.55	0.65	0.67	0.62	0.48	0.36	0.26	0.14	0.02	0.00	0.00	4.73	0.00	
-64	0.00	0.00	0.00	0.01	0.03	0.04	0.06	0.10	0.13	0.14	0.12	0.08	0.05	0.04	0.02	0.00	0.00	0.00	0.83	0.00	
-72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)					16	24	32	40	48	56	64	72
Φ t	0.33	2.81	8.70	21.5	44.9	80.2	123	163	192	196	175	137	93.4	54.0	26.4	10.7	3.54	0.55	1334	---	
Φ a	0.00	0.00	0.00	11.8	37.6	73.3	117	158	186	191	170	132	86.8	47.3	18.4	0.74	0.00	0.00	---	1229	

one-half-peak spread: U:24.2,D:30.3 , L:27.9,R:26.8 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:28.0DEG
 Operators:QC1
 Test Date:2025-08-06
 V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:83%
 Test Distance:8.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

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SPEC.:	DIM.:	SERIAL No.:2025080048
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

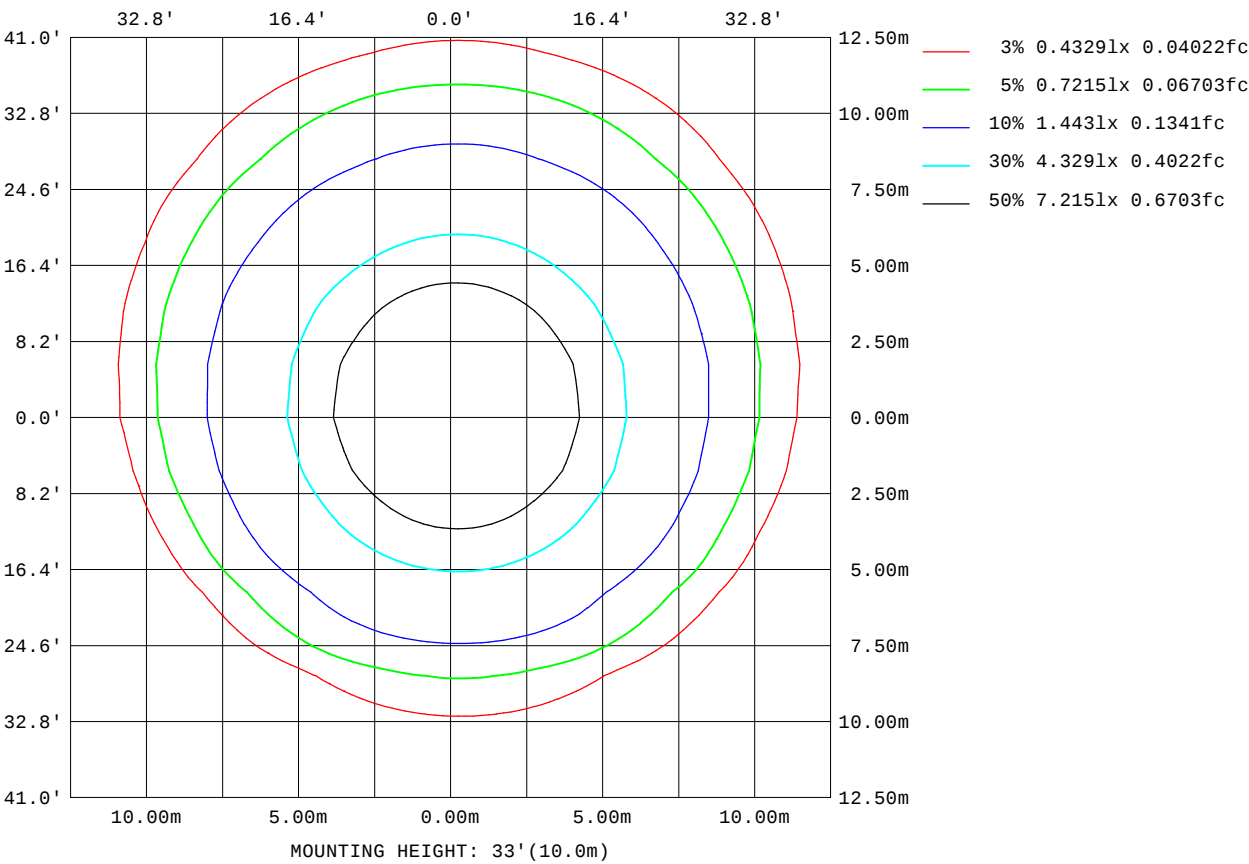


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Humidity:83%
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ISOLUX DIAGRAM

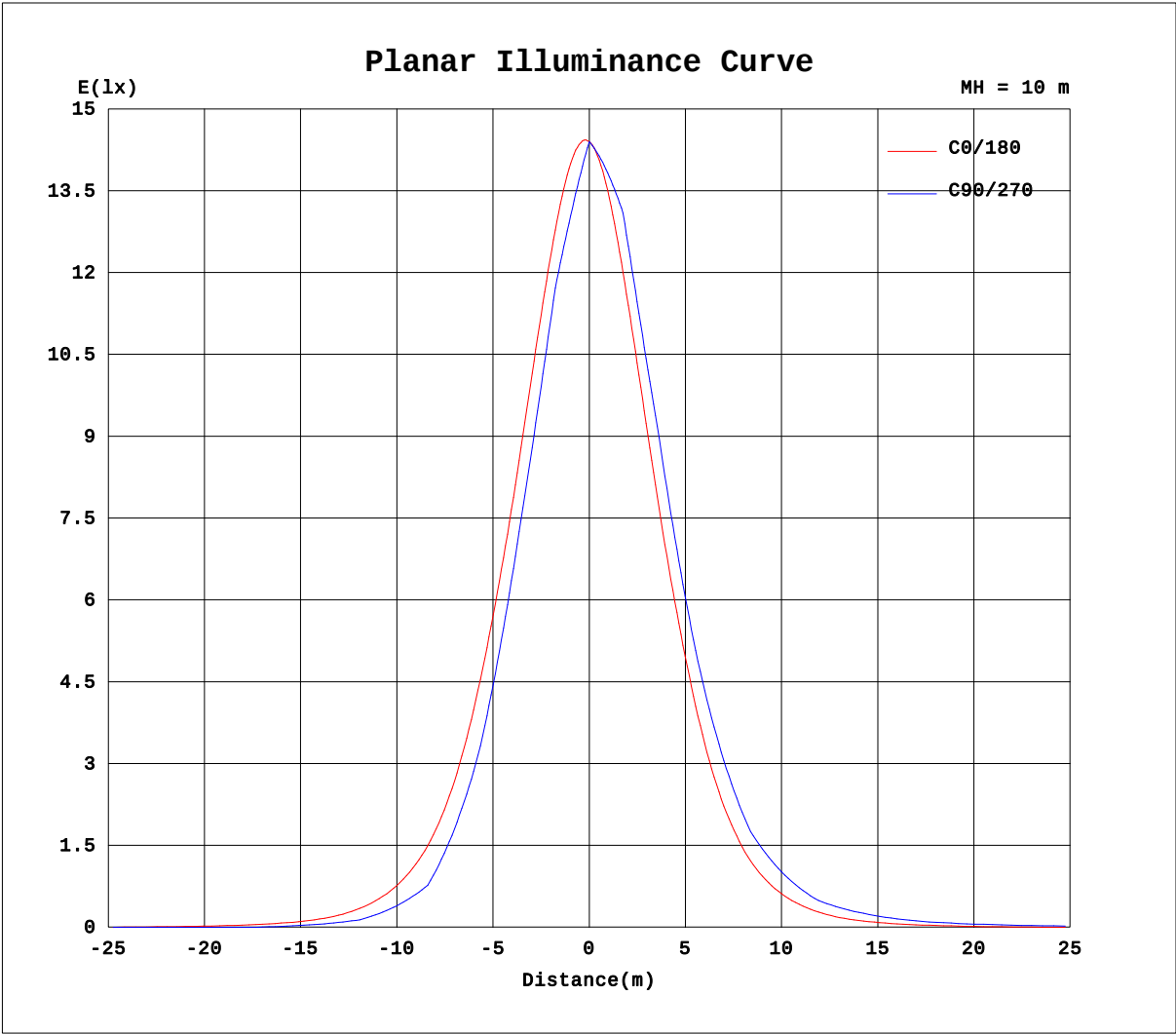
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Remarks:

Planar Illuminance Curve

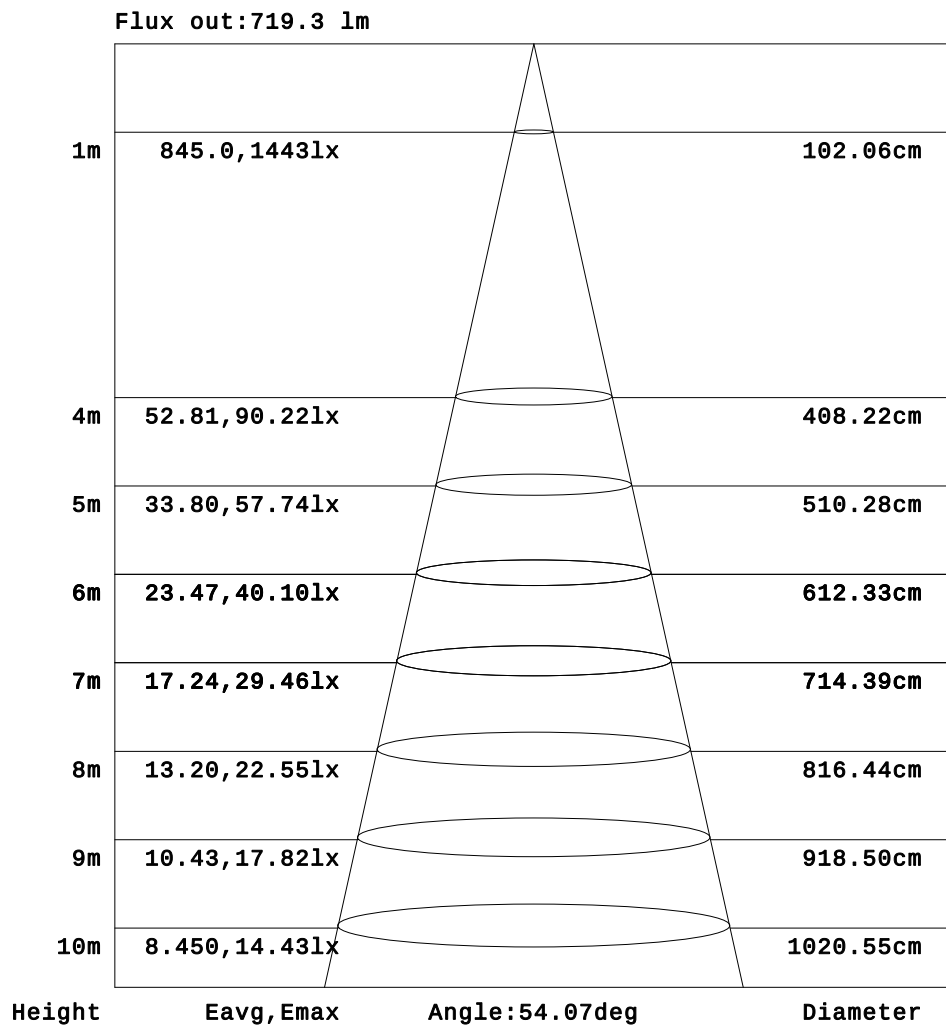


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Remarks:

AAI Figure

Test:U:120.4V I:0.3969A P:29.15W PF:0.6268 Freq:50.00Hz Lamp Flux:1334.93x1 lm		
NAME: SP-PZT-R135-6P-RDM-2	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2025080048
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding 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
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2025-08-06

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.4V I:0.3969A P:29.15W PF:0.6268 Freq:50.00Hz Lamp Flux:1334.93x1 lm		
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SPEC.:	DIM.:	SERIAL No.:2025080048
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding 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	0.00	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	0.00	0.00	0.00	0.52	1.21	1.63	1.82
-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	0.00	0.00	0.00	1.03	2.43	3.26	3.63
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	6.73	9.40	11.8	14.5	17.2	20.8	25.0	27.5	28.6
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.41	13.5	18.8	23.7	29.1	34.3	40.5	47.5	51.7	53.5
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.55	8.99	16.3	24.8	33.8	46.2	59.9	73.3	87.0	99.9	109	113
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.11	18.0	26.2	36.1	48.9	68.7	90.7	112	134	152	166	172
-35	0.00	0.00	0.00	0.00	0.00	0.01	4.64	15.0	26.1	39.5	59.6	86.1	120	160	205	252	290	317	329
-30	0.00	0.00	0.00	0.00	0.00	0.01	9.28	20.9	34.3	52.8	83.0	123	171	229	299	370	428	468	486
-25	0.00	0.00	0.00	0.00	0.00	2.72	14.3	28.7	47.0	76.4	119	178	253	339	435	528	603	655	681
-20	0.00	0.00	0.00	0.00	0.00	5.43	19.2	36.5	59.7	100.0	155	233	335	449	571	685	778	842	875
-15	0.00	0.00	0.00	0.00	0.00	8.07	23.8	43.7	72.8	122	192	286	408	546	685	816	927	1009	1051
-10	0.00	0.00	0.00	0.00	0.00	10.7	28.4	51.0	85.8	144	229	338	480	642	800	947	1075	1176	1227
-5	0.00	0.00	0.00	0.00	0.00	13.1	32.3	56.3	96.1	159	250	372	525	695	862	1023	1166	1278	1334
0	0.00	0.00	0.00	0.00	0.00	15.6	36.1	61.6	106	175	271	406	570	749	925	1099	1257	1380	1440
5	0.00	0.00	0.00	0.00	0.01	16.4	36.7	62.3	107	175	271	399	559	735	908	1077	1229	1348	1406
10	0.00	0.00	0.00	0.00	0.03	17.3	37.4	63.0	108	176	270	393	548	721	892	1054	1202	1316	1371
15	0.00	0.00	0.00	0.00	0.01	17.0	36.2	61.0	102	164	250	361	498	653	809	954	1082	1180	1226
20	0.00	0.00	0.00	0.00	0.00	16.6	35.1	59.0	97.2	153	229	328	449	585	727	854	963	1043	1082
25	0.00	0.00	0.00	0.00	0.00	14.2	31.4	53.4	86.5	134	198	280	378	489	605	712	803	870	902
30	0.00	0.00	0.00	0.00	0.00	11.8	27.7	47.9	75.8	115	167	232	307	392	482	569	643	697	722
35	0.00	0.00	0.00	0.00	0.00	8.73	23.3	41.3	65.4	97.3	138	188	247	311	378	442	499	538	557
40	0.00	0.00	0.00	0.00	0.00	5.62	18.9	34.8	55.1	80.0	109	145	186	230	274	316	354	379	392
45	0.00	0.00	0.00	0.00	0.00	2.81	13.3	27.0	44.1	65.0	88.2	115	144	176	207	237	263	280	289
50	0.00	0.00	0.00	0.00	0.00	0.00	7.81	19.2	33.1	50.0	67.1	84.4	102	121	140	157	172	181	186
55	0.00	0.00	0.00	0.00	0.00	0.00	3.91	11.9	23.3	37.2	51.4	65.4	79.1	93.1	106	118	128	134	137
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.56	13.5	24.3	35.8	46.4	56.1	64.9	72.1	78.5	83.5	86.0	87.2
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	6.73	12.6	21.6	30.3	38.1	45.0	51.1	56.3	60.1	62.3	63.4
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	7.34	14.1	20.1	25.2	30.1	34.1	36.8	38.5	39.5
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	3.67	7.04	10.1	12.6	15.1	17.0	18.4	19.3	19.8
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	0.13
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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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	1.84	1.83	1.52	0.74	0.00	0.00	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	3.68	3.66	3.03	1.47	0.00	0.00	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	28.6	27.6	24.8	20.9	17.4	14.5	11.8	9.19	6.04	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-50	53.6	51.5	46.5	40.3	34.7	29.0	23.6	18.4	12.1	5.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-45	113	107	97.1	84.1	70.4	56.5	42.5	31.3	21.9	13.7	6.64	2.11	0.00	0.00	0.00	0.00	0.00	0.00
-40	172	163	148	128	106	84.1	61.3	44.3	31.7	22.3	13.3	4.23	0.00	0.00	0.00	0.00	0.00	0.00
-35	328	312	282	239	189	146	108	76.6	51.1	33.8	20.6	9.44	1.67	0.00	0.00	0.00	0.00	0.00
-30	485	461	415	349	272	207	154	109	70.5	45.4	27.8	14.7	3.33	0.00	0.00	0.00	0.00	0.00
-25	678	644	584	500	400	306	223	152	98.1	61.1	36.9	20.2	6.65	0.00	0.00	0.00	0.00	0.00
-20	870	827	753	650	527	405	291	195	126	76.7	46.0	25.7	9.96	0.00	0.00	0.00	0.00	0.00
-15	1045	991	898	778	640	494	357	241	156	94.1	55.3	31.5	13.5	0.65	0.00	0.00	0.00	0.00
-10	1220	1154	1043	906	752	584	423	287	186	111	64.5	37.3	17.1	1.29	0.00	0.00	0.00	0.00
-5	1323	1246	1122	969	803	628	456	311	202	122	69.6	40.5	19.3	2.22	0.00	0.00	0.00	0.00
0	1426	1338	1200	1032	853	671	489	334	217	132	74.6	43.6	21.5	3.14	0.00	0.00	0.00	0.00
5	1392	1310	1176	1014	840	661	483	333	217	133	76.1	44.4	22.4	3.85	0.00	0.00	0.00	0.00
10	1358	1281	1152	996	827	651	477	332	217	135	77.7	45.1	23.4	4.56	0.00	0.00	0.00	0.00
15	1214	1148	1037	900	746	585	431	302	200	126	73.4	42.8	22.1	3.73	0.00	0.00	0.00	0.00
20	1070	1015	923	804	665	519	385	273	184	116	69.2	40.4	20.9	2.91	0.00	0.00	0.00	0.00
25	894	849	772	671	556	437	327	235	161	103	62.8	36.8	18.6	1.62	0.00	0.00	0.00	0.00
30	718	683	621	539	447	356	269	197	137	90.3	56.4	33.3	16.4	0.34	0.00	0.00	0.00	0.00
35	553	527	481	420	352	283	217	161	114	76.5	48.0	28.0	12.7	0.17	0.00	0.00	0.00	0.00
40	389	371	341	301	257	210	165	124	90.3	62.6	39.6	22.7	8.99	0.00	0.00	0.00	0.00	0.00
45	287	275	254	226	194	161	129	99.5	73.5	50.8	31.6	17.1	5.07	0.00	0.00	0.00	0.00	0.00
50	185	179	167	151	132	112	93.2	74.9	56.6	39.1	23.6	11.5	1.15	0.00	0.00	0.00	0.00	0.00
55	136	132	124	113	100	86.1	71.8	57.3	42.4	27.9	15.4	5.73	0.57	0.00	0.00	0.00	0.00	0.00
60	86.9	85.0	80.9	75.5	68.4	59.8	50.3	39.7	28.1	16.7	7.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
65	63.0	61.3	58.0	53.7	47.9	41.2	33.6	25.1	15.8	8.33	3.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	39.1	37.6	35.2	31.9	27.5	22.7	16.9	10.4	3.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	19.5	18.8	17.6	16.0	13.8	11.3	8.45	5.20	1.79	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:28.0DEG
Operators:QC1
Test Date:2025-08-06

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: