

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	758.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	104.8V x 117.1H
	At 50% of Imax	52.6V x 78.4H
	At 90% of Imax	22.0V x 38.2H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	927.0 lumens per klm.
	To 50% of Imax	571.2 lumens per klm.
	To 90% of Imax	138.0 lumens per klm.

Upward LOR	1.2 %
Downward LOR	98.9 %

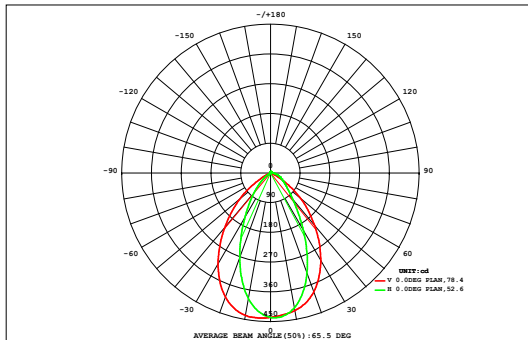
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-02-11

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.05V I:0.8269A P:9.327W PF:0.9361 Freq:59.98Hz Lamp Flux:585.654x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Brass Spot Light	WEIGHT:
SPEC.:10W 2700K 60°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:Floodlight Shroud



DATA OF LAMP		Eff:62.79lm/W	
MODEL	F6B1-10W-27K-A	Imax (cd)	443.9
NOMINAL POWER (W)	10	AVAILABILITY (%)	92.8
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	543.4
NOMINAL FLUX (lm)	585.654	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	585.7
TEST VOLTAGE (V)	12	θ @50% (H,V)	78,53DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.01	0.04	0.08	0.13	0.18	0.21	0.23	0.23	0.22	0.19	0.14	0.09	0.04	0.01	0.00	0.00	1.82	0.00
90	0.00	0.00	0.03	0.12	0.25	0.37	0.48	0.56	0.61	0.61	0.57	0.49	0.38	0.25	0.12	0.03	0.00	0.00	4.90	0.00
80	0.00	0.01	0.05	0.21	0.45	0.66	0.83	0.94	1.01	1.02	0.96	0.84	0.67	0.46	0.22	0.06	0.01	0.00	8.39	0.00
70	0.00	0.01	0.07	0.33	0.74	1.09	1.34	1.47	1.54	1.54	1.47	1.31	1.06	0.73	0.34	0.08	0.01	0.00	13.1	7.87
60	0.00	0.01	0.09	0.50	1.18	1.81	2.27	2.49	2.52	2.48	2.39	2.16	1.73	1.15	0.51	0.10	0.01	0.00	21.4	20.0
50	0.00	0.01	0.12	0.73	1.80	2.98	4.02	4.57	4.61	4.48	4.27	3.75	2.82	1.74	0.74	0.13	0.01	0.00	36.8	35.9
40	0.00	0.01	0.15	1.00	2.55	4.49	6.50	7.80	8.08	7.80	7.28	6.10	4.28	2.47	1.00	0.16	0.01	0.00	59.7	59.0
30	0.00	0.01	0.18	1.22	3.22	5.89	8.75	10.8	11.5	11.2	10.3	8.30	5.63	3.12	1.22	0.19	0.01	0.00	81.5	80.9
	0.00	0.01	0.19	1.34	3.58	6.60	9.87	12.3	13.2	12.9	11.8	9.43	6.33	3.47	1.33	0.19	0.01	0.00	92.5	92.0
	0.00	0.01	0.17	1.29	3.50	6.45	9.60	11.9	12.7	12.5	11.5	9.22	6.21	3.41	1.29	0.17	0.01	0.00	89.9	89.4
	0.00	0.00	0.13	1.06	2.98	5.39	7.94	9.69	10.2	9.99	9.35	7.68	5.25	2.94	1.08	0.13	0.00	0.00	73.8	73.2
	0.00	0.00	0.07	0.73	2.20	3.85	5.40	6.31	6.52	6.41	6.16	5.30	3.81	2.20	0.76	0.08	0.00	0.00	49.8	49.1
-30	0.00	0.00	0.03	0.39	1.39	2.36	3.08	3.43	3.50	3.47	3.41	3.09	2.38	1.41	0.41	0.03	0.00	0.00	28.4	27.5
-40	0.00	0.00	0.01	0.13	0.61	1.13	1.42	1.55	1.59	1.60	1.57	1.45	1.17	0.64	0.14	0.01	0.00	0.00	13.0	8.74
-50	0.00	0.00	0.00	0.01	0.12	0.30	0.40	0.45	0.48	0.48	0.47	0.42	0.32	0.13	0.02	0.00	0.00	0.00	3.60	0.00
-60	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.23	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	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	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	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.00	0.08	1.31	9.09	24.6	43.5	62.1	74.6	78.3	76.7	71.7	59.7	42.2	24.2	9.22	1.37	0.08	0.00	579	---
Φ a	0.00	0.00	0.00	6.15	22.4	41.1	59.4	71.6	75.3	73.7	68.8	57.0	39.7	21.9	6.30	0.00	0.00	0.00	---	543

one-half-peak spread: U:26.5,D:26.4 , L:32.8,R:43.0

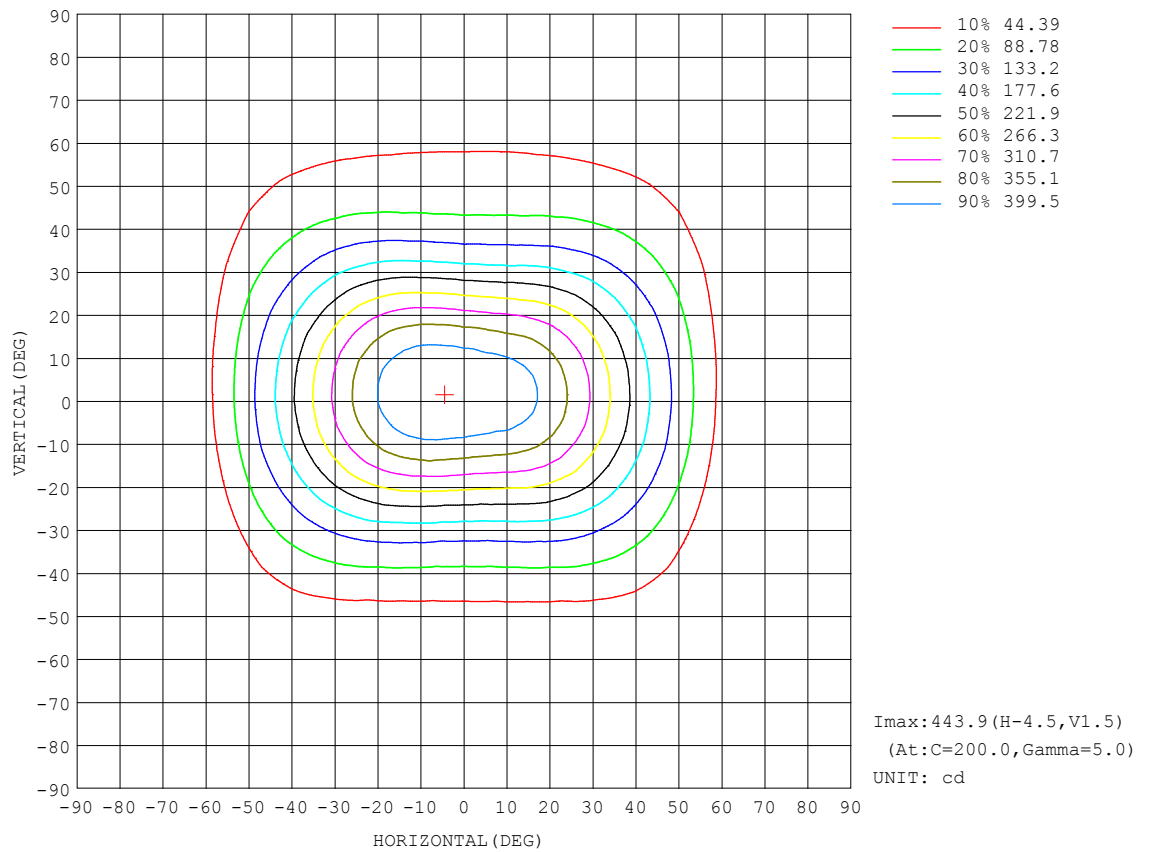
NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-02-11

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:12.05V I:0.8269A P:9.327W PF:0.9361 Freq:59.98Hz Lamp Flux:585.654x1 lm		
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SPEC.:10W 2700K 60°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:Floodlight Shroud

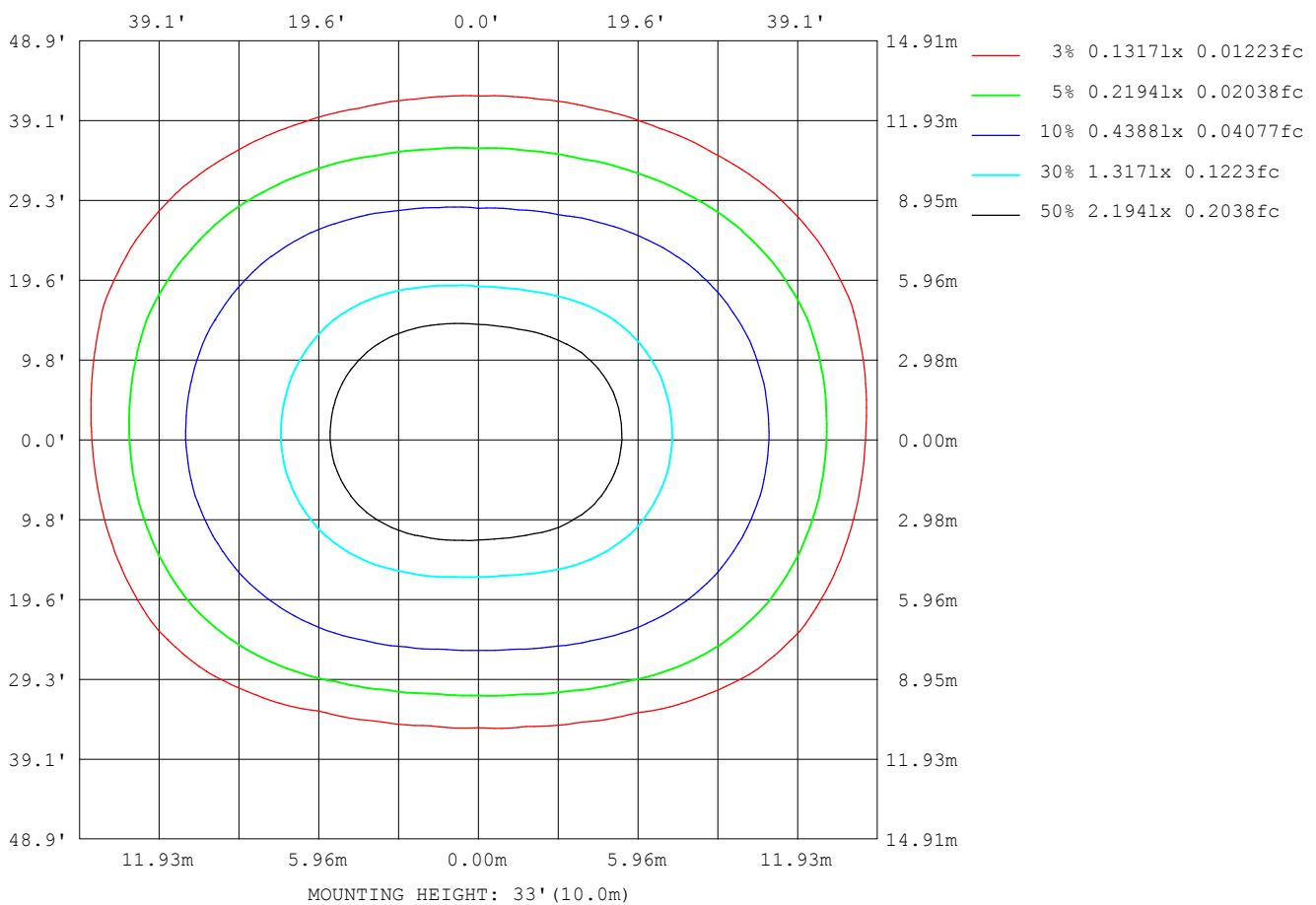


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Test Date:2026-02-11

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Humidity:65.0%
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ISOLUX DIAGRAM

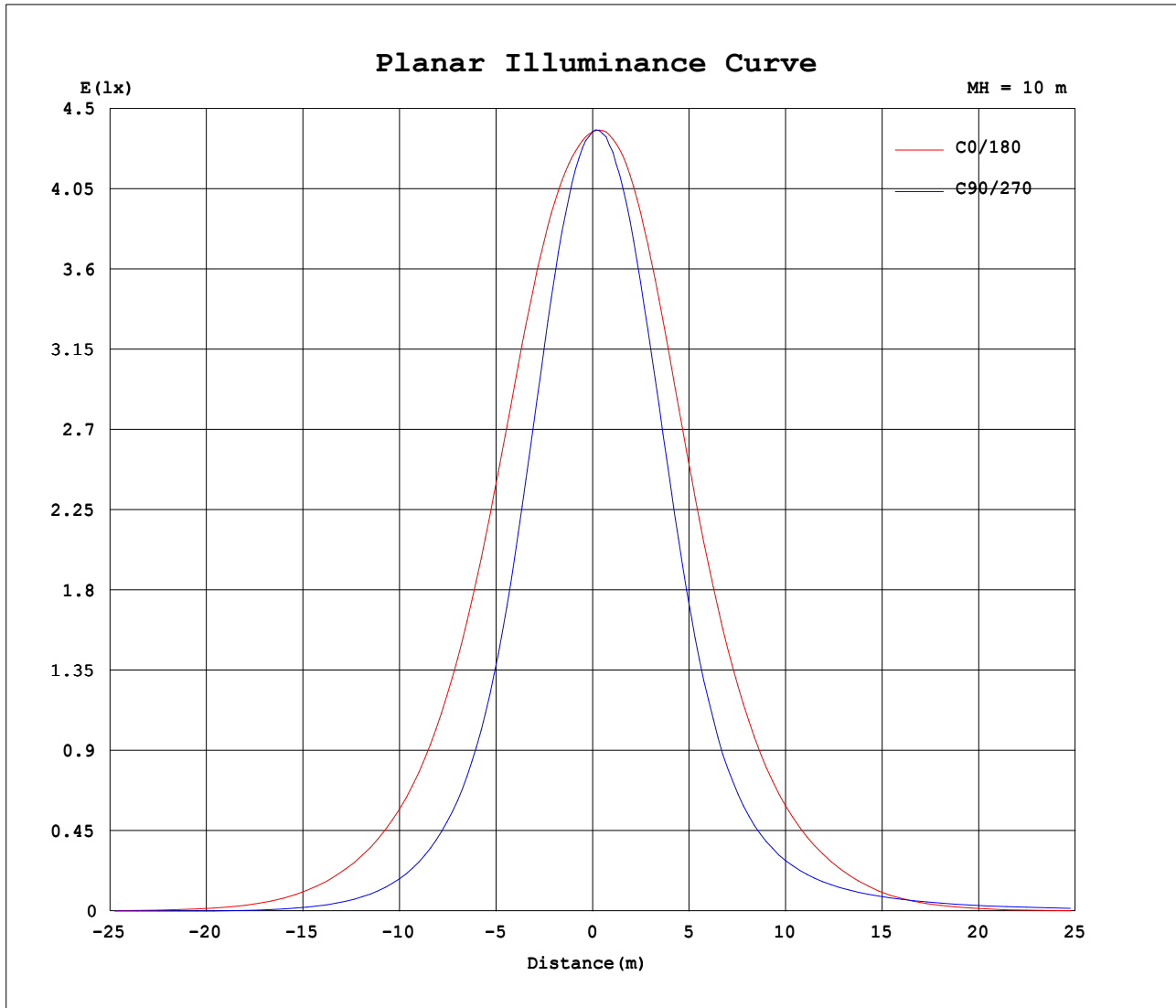
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Remarks:

Planar Illuminance Curve

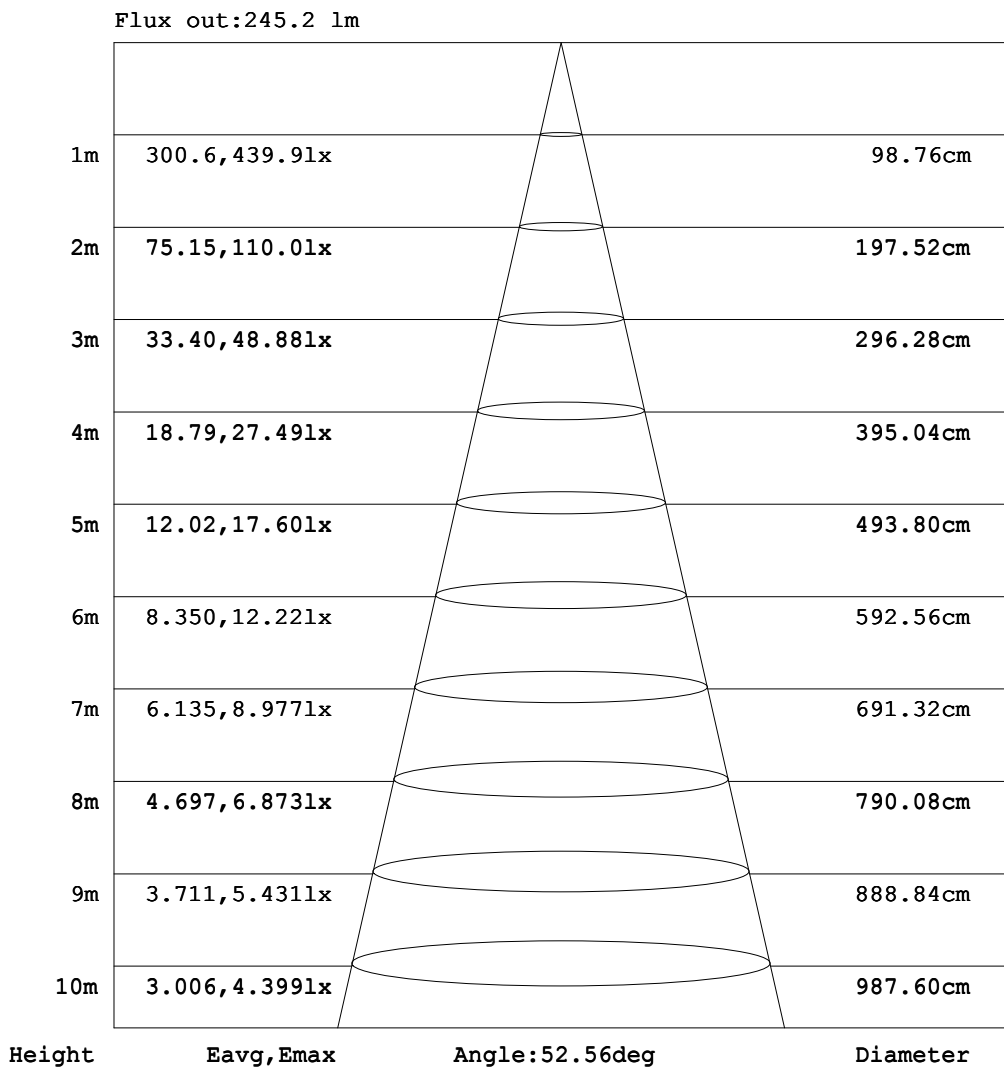


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AAI Figure

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SPEC.:10W 2700K 60°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:Floodlight Shroud



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

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Operators:ADMIN
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V(B) Interval: 0.5DEG
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Humidity:65.0%
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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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
-180	0.00	0.00	0.00	0.00	0.11	0.33	0.58	0.89	1.21	1.56	1.90	2.26	2.63	2.94	3.25	3.57	3.86	4.09	4.19
-170	0.00	0.00	0.01	0.05	0.21	0.49	0.81	1.21	1.66	2.13	2.47	2.78	3.06	3.34	3.55	3.77	3.94	4.06	4.20
-160	0.00	0.00	0.01	0.09	0.28	0.59	0.90	1.22	1.56	1.88	2.20	2.50	2.79	3.00	3.21	3.44	3.58	3.74	3.86
-150	0.00	0.00	0.00	0.09	0.30	0.50	0.76	1.00	1.29	1.56	1.82	2.05	2.25	2.49	2.67	2.82	2.99	3.06	3.16
-140	0.00	0.00	0.00	0.08	0.20	0.39	0.53	0.77	0.96	1.15	1.34	1.50	1.69	1.82	1.90	2.04	2.12	2.16	2.20
-130	0.00	0.00	0.00	0.02	0.14	0.24	0.38	0.52	0.64	0.78	0.89	1.00	1.09	1.13	1.19	1.26	1.27	1.30	1.33
-120	0.00	0.00	0.00	0.00	0.01	0.14	0.20	0.29	0.34	0.43	0.50	0.56	0.60	0.60	0.64	0.65	0.64	0.66	0.69
-110	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.11	0.14	0.16	0.23	0.25	0.27	0.29	0.29	0.30	0.30	0.30	0.31
-100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.03	0.01	0.04	0.07	0.05	0.03	0.04	0.06
-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
-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
-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
-60	0.00	0.00	0.00	0.01	0.02	0.01	0.03	0.00	0.11	0.62	1.71	2.90	3.77	4.20	4.56	4.72	4.71	4.83	4.81
-50	0.00	0.00	0.00	0.06	0.12	0.17	0.36	2.00	6.59	13.2	20.3	25.2	27.9	28.7	29.6	29.7	30.1	30.3	30.3
-40	0.00	0.00	0.04	0.14	0.26	0.59	3.26	11.9	27.5	45.8	59.6	69.0	75.0	78.8	79.3	80.5	80.0	79.0	78.7
-30	0.00	0.00	0.09	0.30	0.49	2.16	10.8	29.1	57.1	83.3	105	123	138	150	158	160	160	156	156
-20	0.00	0.00	0.15	0.39	0.88	5.42	20.4	49.2	86.4	121	153	186	218	244	264	275	278	278	274
-10	0.00	0.00	0.22	0.49	1.39	8.94	29.2	66.1	110	152	196	242	286	327	359	380	391	390	387
0	0.00	0.00	0.27	0.58	1.73	10.8	33.6	74.0	121	167	216	268	318	363	399	425	438	440	437
10	0.00	0.02	0.33	0.79	2.37	11.7	34.0	72.2	116	159	206	255	303	347	381	405	417	420	415
20	0.00	0.03	0.37	0.91	2.40	10.2	29.3	61.8	98.7	135	172	210	249	283	308	326	331	330	323
30	0.00	0.04	0.37	0.96	2.23	8.69	23.7	48.3	75.1	99.8	125	148	171	189	202	207	206	203	199
40	0.00	0.03	0.35	0.90	2.64	7.01	17.0	33.5	51.9	67.4	81.0	93.1	103	109	112	113	112	109	106
50	0.00	0.02	0.27	0.97	2.51	5.41	12.4	22.8	33.8	43.2	50.7	55.6	59.4	61.8	63.0	62.9	63.2	63.0	62.3
60	0.00	0.01	0.18	0.81	1.99	4.40	8.82	14.9	21.1	27.1	30.8	33.9	36.1	37.8	38.9	39.8	40.5	40.9	40.9
70	0.00	0.00	0.06	0.52	1.30	2.99	5.64	8.87	12.6	15.7	18.3	20.3	21.9	23.3	24.4	25.3	26.0	26.4	26.7
80	0.00	0.00	0.00	0.18	0.52	1.40	2.56	4.12	5.95	7.43	8.87	10.00	11.1	11.9	12.6	13.1	13.6	13.8	13.9
90	0.00	0.00	0.00	0.00	0.00	0.04	0.09	0.26	0.43	0.58	0.73	0.93	1.13	1.28	1.42	1.58	1.73	1.74	1.74
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.05	0.04	0.03	0.03	0.02	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.13	0.23	0.27	0.33	0.40	0.42	0.43	0.43	0.44	0.46	0.47
140	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.24	0.35	0.49	0.62	0.75	0.82	0.92	1.00	1.04	1.07	1.12	1.09
150	0.00	0.00	0.00	0.00	0.00	0.10	0.28	0.48	0.66	0.84	1.04	1.22	1.40	1.53	1.65	1.78	1.86	1.97	2.00
160	0.00	0.00	0.00	0.00	0.02	0.16	0.41	0.64	0.91	1.19	1.44	1.68	1.90	2.15	2.35	2.51	2.69	2.81	2.90
170	0.00	0.00	0.00	0.00	0.06	0.28	0.50	0.78	1.09	1.40	1.71	2.04	2.36	2.64	2.90	3.12	3.38	3.51	3.58
180	0.00	0.00	0.00	0.00	0.11	0.33	0.58	0.89	1.21	1.56	1.90	2.26	2.63	2.94	3.25	3.57	3.86	4.09	4.16

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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	
-180	4.18	4.08	3.95	3.69	3.49	3.20	2.92	2.57	2.24	1.80	1.39	1.04	0.65	0.38	0.14	0.01	0.00	0.00	
-170	4.18	4.10	3.93	3.70	3.47	3.19	2.89	2.57	2.20	1.81	1.40	1.02	0.67	0.38	0.16	0.01	0.00	0.00	
-160	3.83	3.71	3.59	3.36	3.15	2.93	2.61	2.27	1.95	1.60	1.25	0.93	0.64	0.36	0.15	0.01	0.00	0.00	
-150	3.08	3.06	2.91	2.78	2.60	2.38	2.16	1.91	1.61	1.31	1.03	0.76	0.51	0.30	0.11	0.00	0.00	0.00	
-140	2.17	2.16	2.10	1.97	1.89	1.76	1.57	1.37	1.21	1.00	0.77	0.56	0.35	0.20	0.07	0.00	0.00	0.00	
-130	1.31	1.30	1.31	1.25	1.18	1.12	1.04	0.91	0.77	0.67	0.53	0.35	0.21	0.11	0.02	0.00	0.00	0.00	
-120	0.66	0.64	0.68	0.69	0.63	0.61	0.58	0.53	0.43	0.35	0.31	0.20	0.10	0.01	0.00	0.00	0.00	0.00	
-110	0.29	0.27	0.29	0.30	0.28	0.27	0.25	0.23	0.17	0.15	0.12	0.07	0.02	0.00	0.00	0.00	0.00	0.00	
-100	0.04	0.03	0.05	0.07	0.04	0.01	0.03	0.05	0.02	0.01	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	
-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	
-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	
-60	4.90	4.82	4.88	4.80	4.46	4.12	3.25	2.00	0.80	0.18	0.02	0.05	0.05	0.01	0.00	0.00	0.00	0.00	
-50	30.6	30.7	30.4	30.5	29.6	28.9	26.5	21.7	14.2	7.16	2.30	0.44	0.21	0.12	0.02	0.01	0.00	0.00	
-40	79.2	80.2	80.8	80.2	79.6	76.4	70.3	61.2	47.7	29.2	12.7	3.57	0.64	0.26	0.12	0.04	0.00	0.00	
-30	155	157	157	156	149	138	123	105	84.0	58.7	30.6	11.4	2.34	0.51	0.24	0.09	0.00	0.00	
-20	271	269	267	256	238	213	183	152	120	86.8	50.9	21.2	5.67	0.89	0.39	0.15	0.00	0.00	
-10	381	376	365	345	314	276	234	191	149	109	67.2	30.1	9.19	1.43	0.50	0.21	0.00	0.00	
0	431	423	408	383	348	304	257	208	162	118	74.4	34.4	11.0	1.80	0.60	0.26	0.00	0.00	
10	410	401	387	363	331	289	244	198	155	113	72.7	35.0	12.0	2.52	0.83	0.34	0.02	0.00	
20	319	314	305	290	266	236	201	165	131	96.7	62.5	30.3	10.6	2.61	0.97	0.38	0.03	0.00	
30	197	194	193	187	176	161	141	120	96.8	73.7	49.1	24.8	9.28	2.44	1.01	0.39	0.03	0.00	
40	107	107	106	105	102	96.4	88.3	77.9	65.6	51.4	34.2	18.2	7.64	2.89	0.94	0.35	0.03	0.00	
50	62.8	62.7	61.9	61.5	59.7	57.2	53.5	49.0	42.3	34.0	23.7	13.2	5.98	2.76	1.01	0.28	0.01	0.00	
60	41.2	40.9	40.3	39.2	37.8	35.9	33.6	30.7	27.1	21.5	15.6	9.51	4.82	2.19	0.86	0.16	0.00	0.00	
70	26.7	26.4	25.8	24.9	23.8	22.4	20.7	18.6	16.1	13.1	9.40	6.08	3.27	1.40	0.54	0.04	0.00	0.00	
80	13.9	13.8	13.4	13.0	12.3	11.5	10.4	9.23	7.76	6.27	4.43	2.80	1.52	0.56	0.18	0.00	0.00	0.00	
90	1.76	1.77	1.68	1.58	1.46	1.34	1.10	0.85	0.66	0.47	0.27	0.07	0.04	0.00	0.00	0.00	0.00	0.00	
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
120	0.02	0.03	0.02	0.04	0.04	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
130	0.46	0.44	0.43	0.43	0.40	0.34	0.33	0.25	0.20	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
140	1.13	1.12	1.07	1.02	0.92	0.85	0.74	0.63	0.48	0.34	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	
150	2.01	1.92	1.87	1.73	1.60	1.45	1.26	1.04	0.85	0.66	0.46	0.25	0.08	0.00	0.02	0.00	0.00	0.00	
160	2.91	2.82	2.65	2.51	2.28	2.02	1.75	1.50	1.23	0.93	0.64	0.42	0.20	0.09	0.06	0.00	0.00	0.00	
170	3.65	3.51	3.32	3.06	2.81	2.49	2.14	1.80	1.46	1.22	0.95	0.69	0.43	0.24	0.10	0.01	0.00	0.00	
180	4.18	4.08	3.95	3.69	3.49	3.20	2.92	2.57	2.24	1.80	1.39	1.04	0.65	0.38	0.14	0.01	0.00	0.00	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2026-02-11

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks: