

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

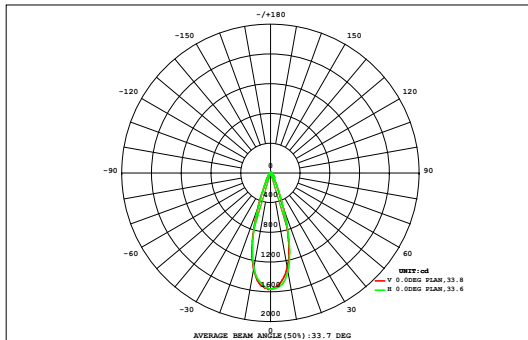
Maximum Intensity		2611.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	55.1V x 55.1H
	At 50% of Imax	33.6V x 33.8H
	At 90% of Imax	16.6V x 15.7H
Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	810.0 lumens per klm.
	To 50% of Imax	540.6 lumens per klm.
	To 90% of Imax	152.9 lumens per klm.
	Upward LOR	1.3 %
	Downward LOR	98.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-03

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:12.04V I:1.152A P:9.500W PF:0.6846 Freq:59.99Hz Lamp Flux:599.64x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Macro 10W 2700K	WEIGHT:
SPEC.:40°LENS	DIM.:	SERIAL No.:3
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:63.12lm/W	
MODEL	Z7B1-10W-A	Imax (cd)	1566
NOMINAL POWER (W)	10	AVAILABILITY (%)	81.0
RATED VOLTAGE (V)	12	Avai. FLUX (lm)	485.9
NOMINAL FLUX (lm)	599.64	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	599.6
TEST VOLTAGE (V)	12	θ @50% (H,V)	34,34DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.06	0.09	0.12	0.16	0.20	0.24	0.27	0.30	0.32	0.32	0.30	0.27	0.23	0.19	0.15	0.12	0.09	0.06	3.49	0.00
45	0.06	0.09	0.12	0.16	0.20	0.24	0.27	0.30	0.32	0.32	0.30	0.27	0.23	0.19	0.15	0.12	0.09	0.06	3.49	0.00
40	0.08	0.12	0.17	0.22	0.28	0.35	0.41	0.46	0.48	0.48	0.45	0.40	0.34	0.27	0.21	0.16	0.12	0.08	5.09	0.00
35	0.11	0.16	0.22	0.30	0.40	0.50	0.60	0.67	0.72	0.72	0.67	0.59	0.49	0.39	0.29	0.21	0.15	0.10	7.29	0.00
30	0.13	0.20	0.29	0.41	0.54	0.71	0.90	1.10	1.24	1.24	1.10	0.90	0.70	0.53	0.39	0.27	0.19	0.12	11.0	2.54
25	0.16	0.24	0.36	0.52	0.74	1.08	1.61	2.22	2.66	2.66	2.23	1.62	1.08	0.73	0.51	0.35	0.23	0.15	19.1	13.7
20	0.18	0.29	0.44	0.66	1.04	1.83	3.13	4.58	5.52	5.52	4.59	3.15	1.86	1.05	0.64	0.42	0.27	0.17	35.3	31.0
15	0.21	0.33	0.51	0.81	1.50	3.04	5.37	7.54	8.75	8.74	7.52	5.38	3.07	1.54	0.80	0.49	0.31	0.19	56.1	52.4
10	0.22	0.36	0.57	0.97	2.03	4.35	7.36	9.71	10.9	10.8	9.63	7.32	4.38	2.08	0.98	0.55	0.34	0.21	72.7	69.3
5	0.23	0.38	0.60	1.07	2.39	5.15	8.39	10.7	11.7	11.6	10.5	8.30	5.17	2.44	1.09	0.58	0.35	0.21	80.8	77.5
0	0.23	0.38	0.60	1.07	2.38	5.12	8.34	10.6	11.6	11.5	10.4	8.24	5.14	2.43	1.09	0.58	0.35	0.21	80.3	77.0
-5	0.22	0.36	0.56	0.96	2.00	4.27	7.22	9.51	10.6	10.5	9.43	7.18	4.30	2.05	0.97	0.54	0.34	0.20	71.3	67.8
-10	0.20	0.32	0.50	0.80	1.47	2.96	5.20	7.26	8.38	8.36	7.24	5.21	2.99	1.51	0.79	0.48	0.30	0.19	54.2	50.5
-15	0.18	0.28	0.43	0.64	1.02	1.77	3.00	4.35	5.19	5.19	4.36	3.02	1.80	1.02	0.62	0.41	0.26	0.17	33.7	29.5
-20	0.15	0.24	0.35	0.50	0.71	1.05	1.54	2.10	2.49	2.49	2.12	1.56	1.05	0.70	0.49	0.33	0.22	0.14	18.2	12.9
-25	0.13	0.19	0.28	0.39	0.52	0.67	0.86	1.05	1.18	1.18	1.05	0.86	0.66	0.50	0.37	0.26	0.18	0.12	10.5	1.86
-30	0.10	0.15	0.21	0.29	0.37	0.47	0.56	0.63	0.67	0.67	0.62	0.55	0.46	0.36	0.27	0.20	0.14	0.10	6.82	0.00
-35	0.08	0.12	0.16	0.21	0.26	0.32	0.37	0.41	0.43	0.43	0.41	0.37	0.31	0.26	0.20	0.15	0.11	0.08	4.68	0.00
-40	0.06	0.09	0.12	0.15	0.18	0.22	0.25	0.27	0.28	0.28	0.27	0.25	0.21	0.18	0.14	0.11	0.08	0.06	3.20	0.00
-45	0.06	0.09	0.12	0.15	0.18	0.22	0.25	0.27	0.28	0.28	0.27	0.25	0.21	0.18	0.14	0.11	0.08	0.06	3.20	0.00
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45			
Φ t	2.76	4.30	6.50	10.1	18.1	34.1	55.4	73.5	83.0	82.7	72.9	55.2	34.3	18.2	10.0	6.22	4.03	2.55	574	---
Φ a	0.00	0.00	0.00	1.79	12.4	29.3	51.0	69.4	79.0	78.8	68.8	50.9	29.6	12.7	2.19	0.00	0.00	0.00	---	486

one-half-peak spread: U:16.6,D:17.2 , L:16.0,R:18.0

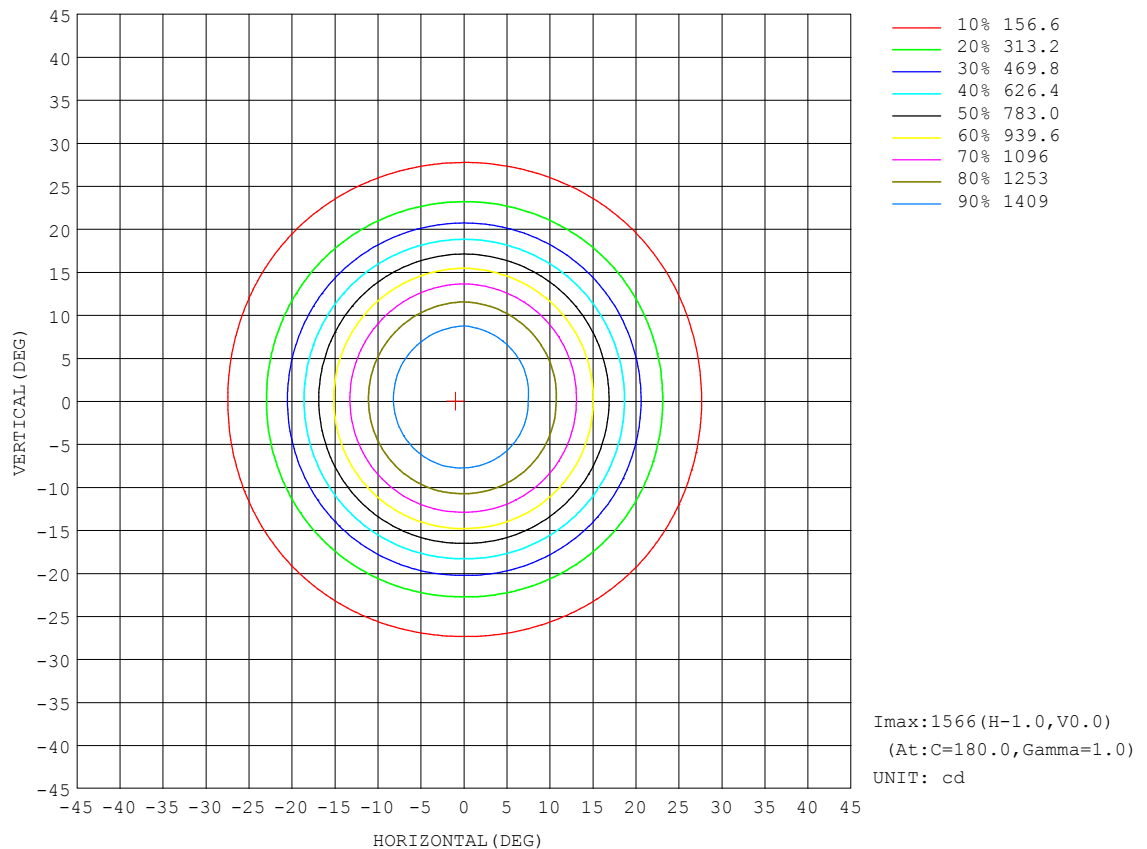
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-03

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

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MFR.: EVERFINE	SUR.:	Shielding Angle:

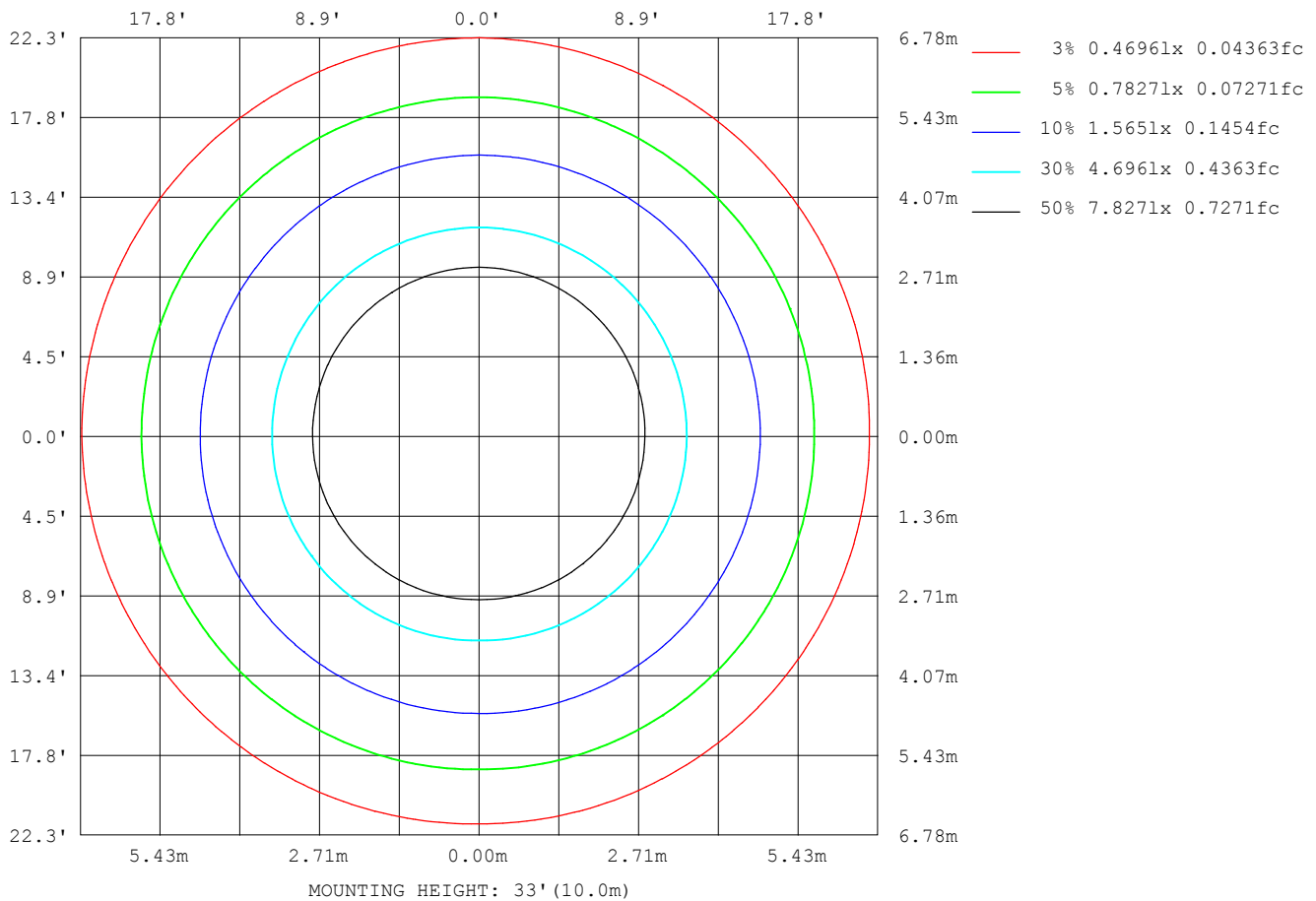


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H(β) Interval: 0.5DEG
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Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-03

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Remarks:

ISOLUX DIAGRAM

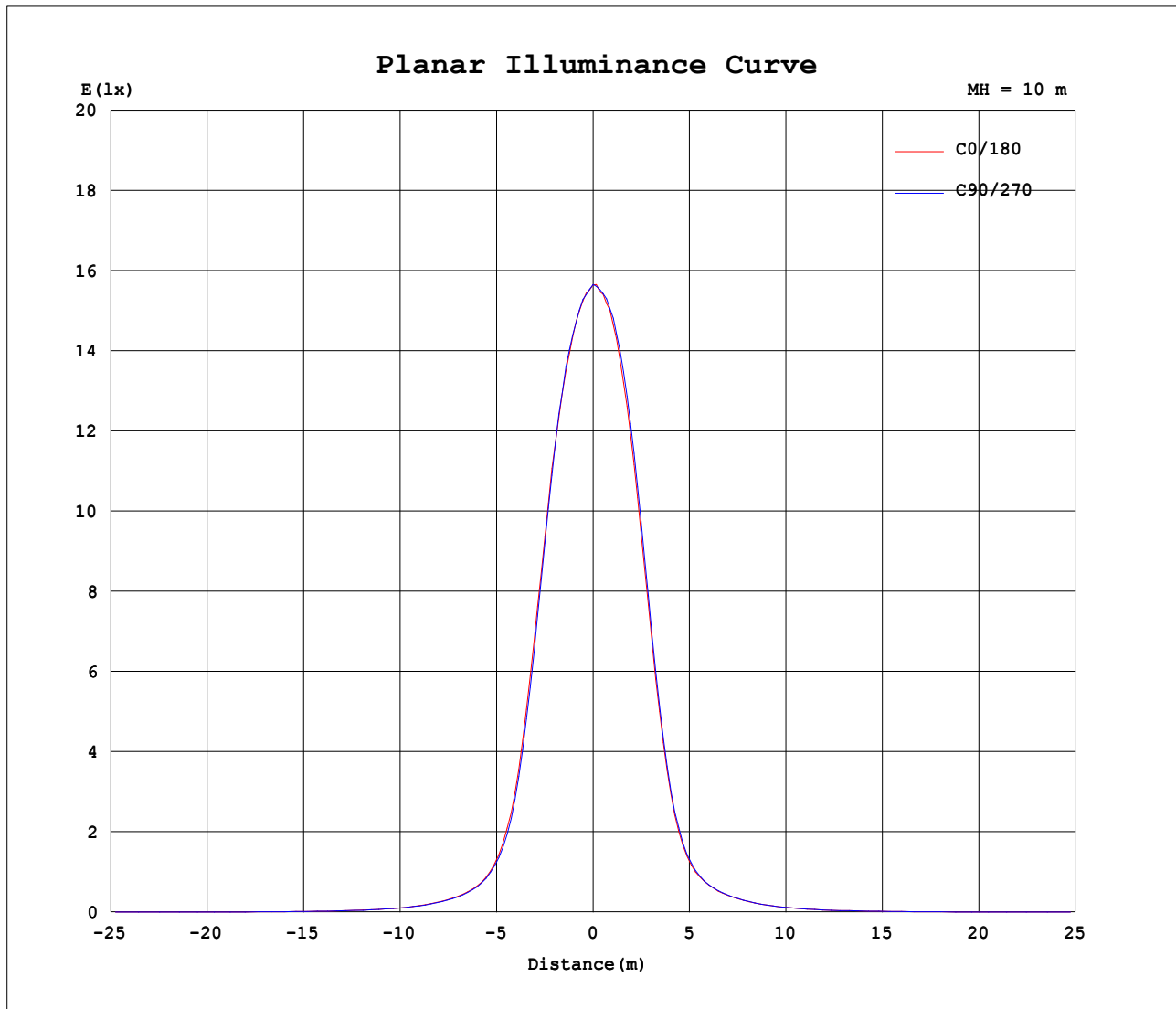
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Remarks:

Planar Illuminance Curve

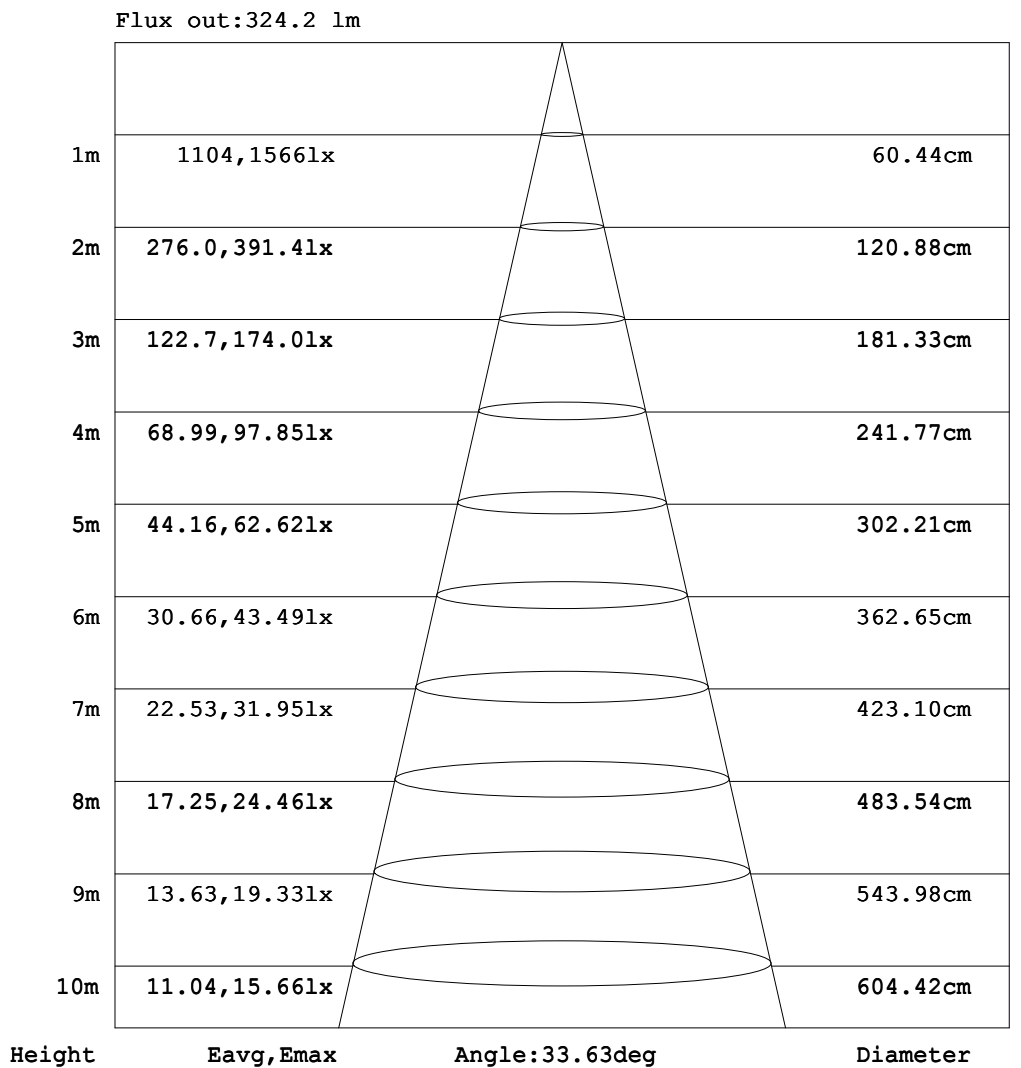


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Remarks:

AAI Figure

Test:U:12.04V I:1.152A P:9.500W PF:0.6846 Freq:59.99Hz Lamp Flux:599.64x1 lm		
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SPEC.:40°LENS	DIM.:	SERIAL No.:3
MFR.: EVERFINE	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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Operators:ADMIN
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V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
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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	0.00	0.00	0.00	0.00	0.13	0.44	1.02	1.92	3.14	4.51	5.83	6.87	7.56	8.03	8.35
-170	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.15	0.47	1.04	1.93	3.11	4.42	5.74	6.84	7.57	7.97	8.21
-160	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.10	0.35	0.78	1.46	2.38	3.46	4.57	5.62	6.47	7.09	7.46
-150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.17	0.43	0.82	1.38	2.06	2.81	3.54	4.18	4.68	4.98
-140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.07	0.15	0.31	0.55	0.86	1.21	1.58	1.92	2.19	2.36
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.08	0.14	0.22	0.31	0.43	0.53	0.62	0.68
-120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.05	0.08	0.09	0.11
-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
-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
-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	0.01	0.07	0.20	0.33	0.49	0.66	0.83	0.96	1.07	1.15	1.19	1.18
-60	0.00	0.00	0.00	0.00	0.00	0.05	0.29	0.64	1.12	1.71	2.35	3.05	3.80	4.53	5.23	5.81	6.28	6.53	6.56
-50	0.00	0.00	0.00	0.00	0.10	0.50	1.18	2.12	3.33	4.83	6.82	9.10	11.4	13.6	15.6	17.2	18.4	19.1	19.2
-40	0.00	0.00	0.00	0.02	0.42	1.25	2.54	4.33	7.03	10.5	14.5	18.7	23.5	28.7	33.9	38.9	42.6	45.1	45.7
-30	0.00	0.00	0.00	0.13	0.84	2.16	4.17	7.44	11.9	17.4	24.0	32.5	43.2	55.7	69.5	83.6	97.5	109	112
-20	0.00	0.00	0.00	0.27	1.26	3.04	5.85	10.7	16.7	24.6	35.5	51.0	71.1	98.8	145	228	343	449	488
-10	0.00	0.00	0.00	0.38	1.57	3.67	7.37	12.9	20.3	30.8	46.1	68.4	101	170	349	670	1013	1232	1302
0	0.00	0.00	0.00	0.42	1.70	3.94	7.94	13.9	21.7	33.4	51.1	76.3	118	224	510	952	1321	1520	1565
10	0.00	0.00	0.00	0.38	1.59	3.71	7.43	13.1	20.5	31.1	46.8	69.5	103	173	356	687	1042	1269	1348
20	0.00	0.00	0.00	0.28	1.28	3.10	5.98	11.0	17.0	25.2	36.5	52.8	73.5	102	149	236	360	477	524
30	0.00	0.00	0.00	0.14	0.87	2.23	4.31	7.63	12.3	18.0	25.0	34.0	45.4	59.0	73.7	88.6	103	115	120
40	0.00	0.00	0.00	0.03	0.45	1.31	2.67	4.55	7.33	11.1	15.3	19.8	25.0	30.7	36.6	42.3	47.0	50.6	51.8
50	0.00	0.00	0.00	0.00	0.13	0.55	1.26	2.27	3.58	5.18	7.27	9.87	12.4	14.8	17.0	18.9	20.5	21.5	21.9
60	0.00	0.00	0.00	0.00	0.00	0.08	0.35	0.73	1.24	1.90	2.64	3.44	4.29	5.11	6.01	6.67	7.11	7.34	7.39
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.14	0.29	0.46	0.64	0.84	1.03	1.20	1.35	1.46	1.53	1.54
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
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
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.10
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.18	0.33	0.47	0.65	0.78	0.88	0.91
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.19	0.42	0.77	1.24	1.77	2.26	2.66	2.93	3.01
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.20	0.51	1.04	1.79	2.69	3.61	4.49	5.14	5.58	5.69
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.37	0.86	1.67	2.75	3.96	5.20	6.26	6.98	7.37	7.48
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.44	1.02	1.92	3.14	4.51	5.83	6.87	7.56	8.03	8.38

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Humidity:65.0%
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Remarks:

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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	8.26	8.15	7.98	7.34	6.23	4.86	3.49	2.28	1.25	0.60	0.26	0.05	0.00	0.00	0.00	0.00	0.00	0.00	
-170	8.18	8.10	7.71	6.93	5.76	4.46	3.17	2.04	1.13	0.53	0.21	0.03	0.00	0.00	0.00	0.00	0.00	0.00	
-160	7.34	6.97	6.34	5.47	4.45	3.38	2.37	1.47	0.81	0.37	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
-150	4.86	4.54	4.04	3.41	2.71	1.99	1.32	0.81	0.43	0.19	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-140	2.30	2.11	1.84	1.51	1.15	0.82	0.52	0.31	0.17	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-130	0.66	0.59	0.51	0.41	0.31	0.21	0.15	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-120	0.10	0.08	0.05	0.04	0.01	0.00	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	
-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	
-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	1.17	1.11	1.02	0.89	0.75	0.59	0.42	0.28	0.17	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-60	6.47	6.16	5.66	5.06	4.35	3.59	2.85	2.14	1.51	0.95	0.52	0.23	0.06	0.00	0.00	0.00	0.00	0.00	
-50	19.0	18.2	16.9	15.2	13.2	10.9	8.35	6.33	4.48	3.02	1.84	0.98	0.39	0.10	0.00	0.00	0.00	0.00	
-40	44.8	42.0	37.9	32.8	27.5	22.3	17.8	13.8	9.65	6.40	3.91	2.20	1.02	0.32	0.03	0.00	0.00	0.00	
-30	108	96.7	82.5	67.8	53.8	41.0	30.6	22.4	16.3	11.0	6.68	3.71	1.83	0.65	0.12	0.00	0.00	0.00	
-20	450	345	232	147	96.5	68.3	48.2	33.0	22.7	15.5	9.49	5.29	2.63	1.01	0.21	0.00	0.00	0.00	
-10	1226	1007	676	354	174	98.4	64.7	42.6	28.1	18.7	11.8	6.51	3.20	1.27	0.28	0.00	0.00	0.00	
0	1490	1293	943	516	233	115	72.1	47.1	30.2	19.8	12.6	6.95	3.40	1.37	0.31	0.00	0.00	0.00	
10	1263	1037	693	361	177	99.9	65.8	43.3	28.4	18.9	11.9	6.57	3.24	1.29	0.29	0.00	0.00	0.00	
20	478	362	240	150	99.5	70.7	50.0	34.0	23.2	15.9	9.73	5.42	2.69	1.03	0.22	0.00	0.00	0.00	
30	115	103	87.4	71.9	57.1	43.3	32.1	23.4	16.9	11.5	6.87	3.85	1.90	0.68	0.14	0.00	0.00	0.00	
40	50.2	46.3	41.3	35.6	29.5	23.9	18.9	14.6	10.2	6.70	4.13	2.33	1.08	0.35	0.04	0.00	0.00	0.00	
50	21.4	20.2	18.6	16.6	14.4	11.9	9.13	6.78	4.83	3.28	2.00	1.06	0.44	0.13	0.00	0.00	0.00	0.00	
60	7.28	6.99	6.52	5.84	4.92	4.08	3.24	2.42	1.69	1.08	0.61	0.29	0.10	0.00	0.00	0.00	0.00	0.00	
70	1.51	1.43	1.30	1.14	0.95	0.76	0.57	0.41	0.26	0.14	0.04	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	
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	
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
130	0.12	0.12	0.11	0.10	0.09	0.07	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
140	0.99	0.98	0.91	0.77	0.62	0.45	0.27	0.16	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150	3.11	3.02	2.77	2.37	1.88	1.38	0.92	0.57	0.29	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
160	5.83	5.64	5.21	4.50	3.67	2.79	1.94	1.20	0.66	0.30	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
170	7.58	7.51	7.12	6.39	5.30	4.10	2.91	1.87	1.03	0.48	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	
180	8.26	8.15	7.98	7.34	6.23	4.86	3.49	2.28	1.25	0.60	0.26	0.05	0.00	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2023-02-03

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: