

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientat	ion as tested.)	1791.1 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	75.5V x 76.3H 39.1V x 39.3H 16.0V x 15.1H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	1000.3 lumens per klm. 892.5 lumens per klm. 468.1 lumens per klm. 99.0 lumens per klm.
Luminaire Efficienc	Upward LOR Downward LOR y(Light Output Ratio)	1.1 % 98.9 % 100.0 %

Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352

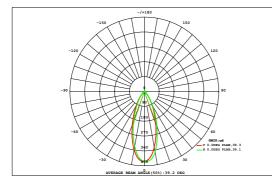
Humidity:65.0%

Test Distance:13.563m [K=1.0000]



LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.13V I:0.3525A P:2.817W PF:0.6587 Freq:59.98Hz Lamp Flux:236.671x1 lm											
NAME: LED LANDSCAPE LAMP	TYPE:Nano Knuckle 3W 2700K	WEIGHT:									
SPEC.:30°lens	DIM.:	SERIAL No.:2									
MFR.: EVERFINE	SUR.:	Shielding Angle:									



DATA OF LAI	MP	Eff:84.01lm/W							
MODEL N4B3-3W-	27K-30-A	Imax (cd)	423.9						
NOMINAL POWER(W)	3	AVAILABILITY(%)	89.5						
RATED VOLTAGE (V)	12	Avai. FLUX(lm)	211.7						
NOMINAL FLUX(lm)	236.671	LOR(%)	100.0						
LAMPS INSIDE	1	TOTAL FLUX(1m)	236.7						
TEST VOLTAGE (V)	12	θ @50%(H,V)	39,39DEG						

70	AREA FLUX DIAGRAM UNIT:1m														: 1m	Φt	Фа			
72 64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.00
48	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.09	0.11	0.11	0.09	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.62	0.00
40	0.00	0.00	0.00	0.02	0.06	0.13	0.23	0.33	0.40	0.40	0.33	0.22	0.12	0.05	0.02	0.00	0.00	0.00	2.31	0.00
32	0.00	0.00	0.01	0.05	0.15	0.34	0.61	0.90	1.08	1.07	0.88	0.60	0.34	0.15	0.05	0.01	0.00	0.00	6.24	3.30
24	0.00	0.00	0.02	0.11	0.32	0.72	1.28	1.90	2.31	2.30	1.85	1.24	0.69	0.31	0.10	0.02	0.00	0.00	13.2	11.6
- m	0.00	0.01	0.04	0.18	0.54	1.20	2.21	3.34	4.17	4.13	3.25	2.12	1.15	0.51	0.17	0.04	0.01	0.00	23.1	21.8
(DEG)	0.00	0.01	0.06	0.25	0.75	1.70	3.19	5.00	6.38	6.31	4.84	3.03	1.59	0.71	0.24	0.05	0.01	0.00	34.1	33.0
				0.30						-										
VERTICAL				0.30																
ÆR				0.25																
-24				0.18																
-32				0.10																
-40				0.05																
-48				0.02																
-56				0.00																
-64				0.00																
-72				0.00																0.00
Φt			6 -4	1.80				16 HOI					4 3 11.3		_				234	
Фа				0.00																212

one-half-peak spread: U:19.1,D:18.7 , L:19.4,R:20.3 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG H(β) Interval: 0.5DEG Test Speed: HIGH

Temperature:25.3DEG Operators: ADMIN

Test Date:2022-07-16

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352

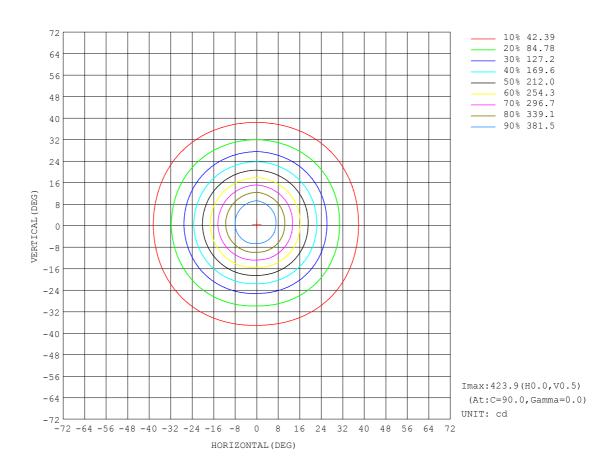
Humidity:65.0%

Test Distance:13.563m [K=1.0000]



ISOCANDELA DIAGRAM

Test:U:12.13V I:0.3525A P:2.817W PF:0.6587 Freq:59.98Hz Lamp Flux:236.671x1 lm											
NAME: LED LANDSCAPE LAMP	TYPE:Nano Knuckle 3W 2700K	WEIGHT:									
SPEC.:30°lens	DIM.:	SERIAL No.:2									
MFR.: EVERFINE	SUR.:	Shielding Angle:									



H(β) Range:-90 - 90DEG H(β) Interval: 0.5DEG Test Speed: HIGH

Temperature: 25.3DEG Operators: ADMIN Test Date:2022-07-16

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352

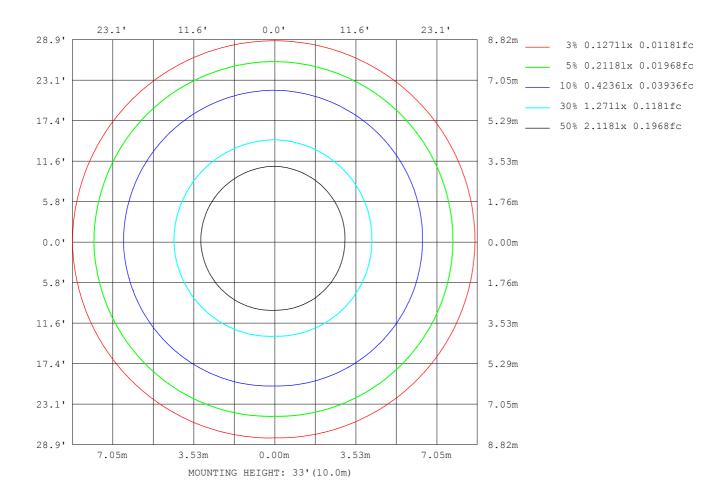
Humidity:65.0%

Test Distance:13.563m [K=1.0000]



ISOLUX DIAGRAM

Test:U:12.13V I:0.3525A P:2.817W PF:0.6587 Freq:59.98Hz Lamp Flux:236.671x1 lm											
NAME: LED LANDSCAPE LAMP	TYPE:Nano Knuckle 3W 2700K	WEIGHT:									
SPEC.:30°lens	DIM.:	SERIAL No.:2									
MFR.: EVERFINE	SUR.:	Shielding Angle:									



H(β) Range:-90 - 90DEG H(β) Interval: 0.5DEG Test Speed: HIGH Temperature:25.3DEG

Operators:ADMIN
Test Date:2022-07-16

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

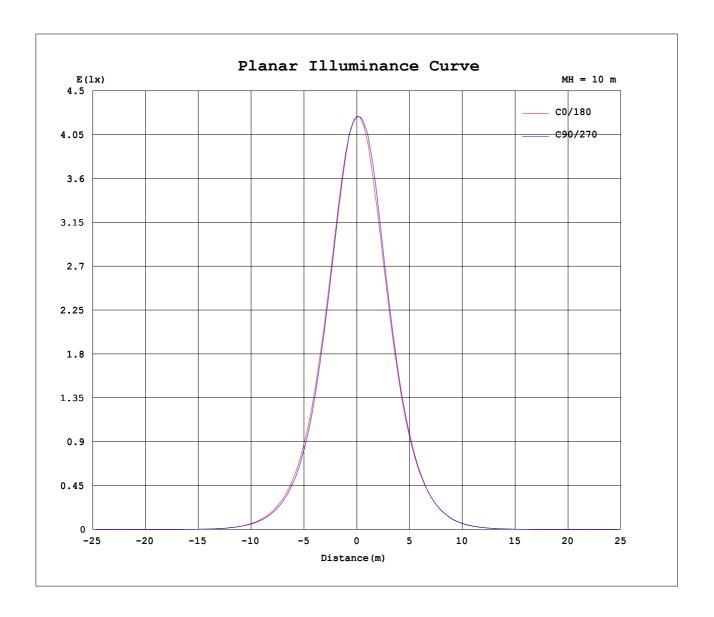
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352

Humidity:65.0%

Test Distance:13.563m [K=1.0000]



Planar Illuminance Curve



Temperature: 25.3DEG Operators:ADMIN

Test Date:2022-07-16

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352

Humidity:65.0%

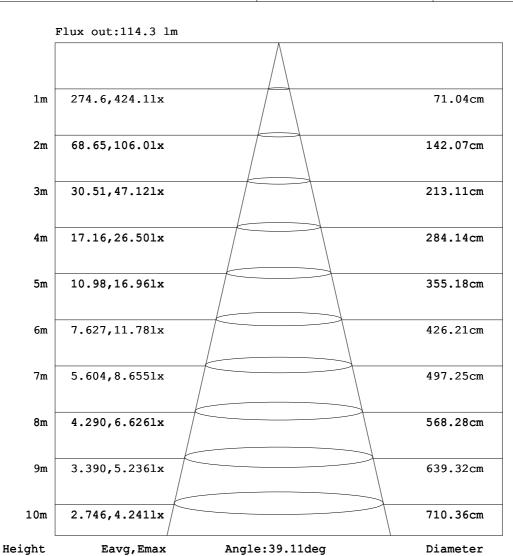
Test Distance:13.563m [K=1.0000]

H(β) Range:-90 - 90DEG H(β) Interval: 0.5DEG Test Speed: HIGH



AAI Figure

Test:U:12.13V I:0.3525A P:2.817W PF:0.6587 Freq:59.98Hz Lamp Flux:236.671x1 lm											
NAME: LED LANDSCAPE LAMP	TYPE:Nano Knuckle 3W 2700K	WEIGHT:									
SPEC.:30°lens	DIM.:	SERIAL No.:2									
MFR.: EVERFINE	SUR.:	Shielding Angle:									



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

Temperature:25.3DEG Operators:ADMIN Test Date:2022-07-16 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]

H(β) Range:-90 - 90DEG H(β) Interval: 0.5DEG Test Speed: HIGH



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.13V I:0.3525A P:2.817W PF:0.6587 Freq:59.98Hz Lamp Flux:236.671x1 lm											
NAME: LED LANDSCAPE LAMP	TYPE:Nano Knuckle 3W 2700K	WEIGHT:									
SPEC.:30°lens	DIM.:	SERIAL No.:2									
MFR.: EVERFINE	SUR.:	Shielding Angle:									

Table1																UNI	T: 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	0.00	0.19	0.43	0.73	1.07	1.46	1.87	2.21	2.50	2.72	2.88
-170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.18	0.43	0.74	1.09	1.47	1.86	2.20	2.48	2.68	2.80
-160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.34	0.59	0.89	1.22	1.54	1.85	2.10	2.30	2.42
-150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.16	0.36	0.57	0.80	1.04	1.26	1.46	1.63	1.74
-140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.12	0.23	0.36	0.52	0.65	0.77	0.86	0.92
-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	0.04	0.07	0.12	0.18	0.23	0.26	0.29
-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
-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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.13	0.22	0.30	0.42	0.58	0.66	0.70	0.72
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.30	0.65	1.17	2.03	3.08	4.24	5.37	6.33	6.95	7.12
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.25	0.65	1.55	3.35	6.12	9.89	14.4	19.4	24.0	27.7	30.0	30.4
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.69	2.06	5.04	10.1	17.8	28.0	40.0	53.3	65.8	76.4	82.7	83.7
-20	0.00	0.00	0.00	0.00	0.00	0.07	0.41	1.48	4.53	10.4	20.4	35.5	55.6	80.6	110	140	168	187	191
-10	0.00	0.00	0.00	0.00	0.00	0.14	0.65	2.40	6.90	15.6	30.9	53.3	84.5	126	178	235	290	328	338
0	0.00	0.00	0.00	0.00	0.00	0.15	0.72	2.76	7.94	18.1	35.6	61.9	99.5	150	214	289	357	409	424
10	0.00	0.00	0.00	0.00	0.00	0.14	0.65	2.42	6.95	15.7	31.4	54.6	87.4	131	186	247	307	353	373
20	0.00	0.00	0.00	0.00	0.00	0.06	0.42	1.51	4.61	10.5	20.8	36.9	58.7	86.7	120	155	188	212	221
30	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.71	2.13	5.18	10.3	18.3	29.5	43.1	58.7	74.4	88.3	98.1	102
40	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.24	0.67	1.62	3.50	6.35	10.2	14.9	20.5	25.8	30.9	34.2	35.2
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.32	0.69	1.27	2.18	3.30	4.57	5.76	6.76	7.43	7.64
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.21	0.33	0.46	0.61	0.73	0.81	0.84
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
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	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.17	0.26	0.30	0.33	0.33
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.18	0.32	0.47	0.65	0.78	0.90	0.97	0.99
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.21	0.42	0.67	0.93	1.19	1.43	1.64	1.75	1.80
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.36	0.65	0.96	1.31	1.67	1.99	2.23	2.39	2.41
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.43	0.73	1.07	1.46	1.87	2.21	2.50	2.72	2.88

H(β) Range:-90 - 90DEG H(β) Interval: 0.5DEG Test Speed: HIGH Temperature:25.3DEG

Operators:ADMIN
Test Date:2022-07-16

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]



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.13V I:0.3525A P:2.817W PF:0.6587 Freq:59.98Hz Lamp Flux:236.671x1 lm											
NAME: LED LANDSCAPE LAMP	TYPE:Nano Knuckle 3W 2700K	WEIGHT:									
SPEC.:30°lens	DIM.:	SERIAL No.:2									
MFR.: EVERFINE	SUR.:	Shielding Angle:									

Table2																UNI	T: cd		
H (DEG)																			
V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	2.85	2.73	2.58	2.31	1.99	1.66	1.22	0.87	0.58	0.29	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-170	2.76	2.64	2.46	2.22	1.90	1.52	1.15	0.77	0.46	0.22	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-160	2.37	2.26	2.07	1.84	1.54	1.22	0.90	0.62	0.33	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-150	1.69	1.58	1.43	1.24	1.03	0.78	0.59	0.34	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-140	0.90	0.83	0.74	0.64	0.48	0.35	0.22	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-130	0.28	0.26	0.21	0.16	0.10	0.04	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	
-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	0.00	0.00	0.00	0.00	0.00	0.00	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	0.71	0.67	0.59	0.43	0.32	0.23	0.13	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-50	6.92	6.25	5.25	4.11	3.00	2.00	1.19	0.68	0.33	0.15	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-40	29.8	27.4	23.8	19.1	14.3	9.63	5.79	3.18	1.57	0.69	0.27	0.06	0.00	0.00	0.00	0.00	0.00	0.00	
-30	81.9	74.9	64.0	51.5	38.7	27.2	17.3	9.72	4.68	2.01	0.74	0.23	0.02	0.00	0.00	0.00	0.00	0.00	
-20	184	164	135	105	76.4	52.7	33.9	19.7	9.92	4.16	1.51	0.45	0.10	0.00	0.00	0.00	0.00	0.00	
-10	323	281	224	168	118	78.8	49.9	29.3	15.1	6.37	2.30	0.69	0.16	0.00	0.00	0.00	0.00	0.00	
0	401	345	271	200	138	91.2	57.3	33.4	17.3	7.46	2.65	0.79	0.19	0.00	0.00	0.00	0.00	0.00	
10	348	298	236	176	123	81.6	51.2	29.8	15.2	6.42	2.33	0.70	0.16	0.00	0.00	0.00	0.00	0.00	
20	209	183	150	115	82.4	55.8	35.3	20.1	10.0	4.25	1.54	0.46	0.09	0.00	0.00	0.00	0.00	0.00	
30	97.2	86.8	72.6	56.9	41.7	28.8	17.8	9.92	4.82	2.07	0.76	0.23	0.02	0.00	0.00	0.00	0.00	0.00	
40	34.0	30.6	25.6	20.2	14.7	9.95	6.03	3.33	1.64	0.71	0.26	0.05	0.00	0.00	0.00	0.00	0.00	0.00	
50	7.39	6.67	5.63	4.44	3.22	2.16	1.29	0.72	0.35	0.14	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
60	0.81	0.73	0.62	0.47	0.35	0.22	0.12	0.04	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	
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	0.02	0.03	0.03	0.04	0.03	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	
140	0.37	0.37	0.35	0.30	0.23	0.15	0.10	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150	1.03	1.02	0.95	0.85	0.70	0.53	0.41	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
160	1.82	1.80	1.65	1.48	1.25	1.00	0.73	0.50	0.25	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
170	2.47	2.39	2.25	2.04	1.73	1.39	1.06	0.69	0.41	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
180	2.85	2.73	2.58	2.31	1.99	1.66	1.22	0.87	0.58	0.29	0.03	0.00	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:2022-07-16

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]