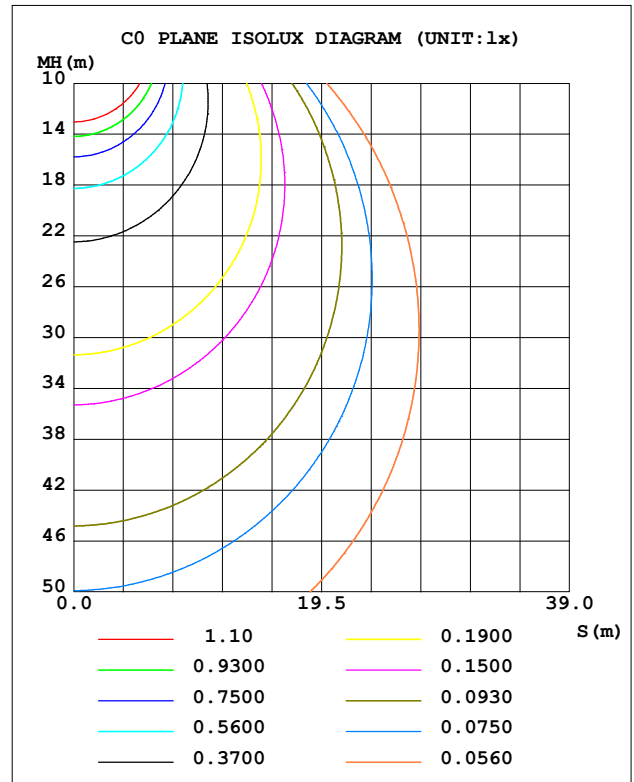
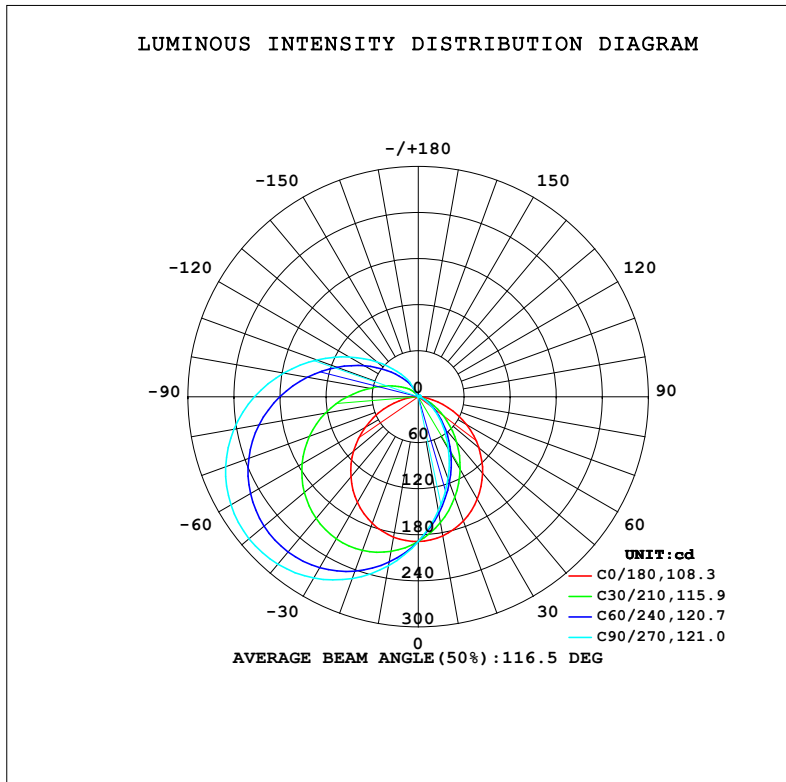


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 99WT12/BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 600 x 180 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	99WT12/BL	I _{max} (cd)	287.8	S/MH (C0/180)	1.25
NOMINAL POWER (W)	12	LOR (%)	117.6	S/MH (C90/270)	2.11
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	916.96	η UP, DN (C0-180)	0.6, 17.7
NOMINAL FLUX (lm)	780	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	21.9, 77.3
LAMPS INSIDE	1	η up (%)	22.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	95.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 13 December 2022

γ Range: 0 - 150DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	184.1	159.8	151.1	161.8	185.8	212.3	223.4	210.3	0- 10	17.88	17.88	1.95,2.29
20	172.2	127.7	113.5	131.1	175.6	229.1	252.0	225.0	10- 20	51.62	69.51	7.58,8.91
30	154.1	94.90	79.15	99.34	159.1	237.8	272.7	231.8	20- 30	79.65	149.2	16.3,19.1
40	130.6	64.14	50.23	68.98	136.8	238.4	284.6	230.9	30- 40	99.39	248.6	27.1,31.9
50	103.1	37.62	28.09	42.13	110.0	231.4	287.8	222.7	40- 50	109.6	358.2	39.1,45.9
60	72.95	17.80	13.27	21.25	80.12	217.3	281.9	207.9	50- 60	110.7	468.9	51.1,60.1
70	41.50	6.032	4.842	7.997	48.61	197.0	267.1	187.2	60- 70	104.0	572.8	62.5,73.4
80	13.13	1.338	1.827	1.950	18.84	171.2	243.9	161.5	70- 80	91.69	664.5	72.5,85.2
90	0.4316	1.428	2.098	1.461	0.6156	141.1	213.5	131.9	80- 90	76.76	741.3	80.8,95
100	0.5661	1.656	2.328	1.691	0.5141	109.4	178.3	101.5	90-100	61.22	802.5	87.5,103
110	0.7530	1.843	2.484	1.891	0.7008	79.70	140.6	73.78	100-110	45.82	848.3	92.5,109
120	0.9481	1.970	2.545	2.038	0.8933	54.73	104.0	50.40	110-120	31.76	880.1	96,113
130	1.130	2.028	2.528	2.114	1.086	34.83	71.12	31.94	120-130	20.04	900.1	98.2,115
140	1.286	2.036	2.460	2.139	1.251	19.82	43.27	17.86	130-140	11.18	911.3	99.4,117
150	1.429	2.014	2.342	2.136	1.385	8.164	21.77	7.506	140-150	5.265	916.6	100,118
160	0	0	0	0	0	0	0	0	150-160	0.3828	917.0	100,118
170	0	0	0	0	0	0	0	0	160-170	0	917.0	100,118
180	0	0	0	0	0	0	0	0	170-180	0	917.0	100,118
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 302.69 lm

%lum = 33.0%

%lamp = 38.8%

Conical surface Flux(130deg): 522.11 lm

%lum = 56.9%

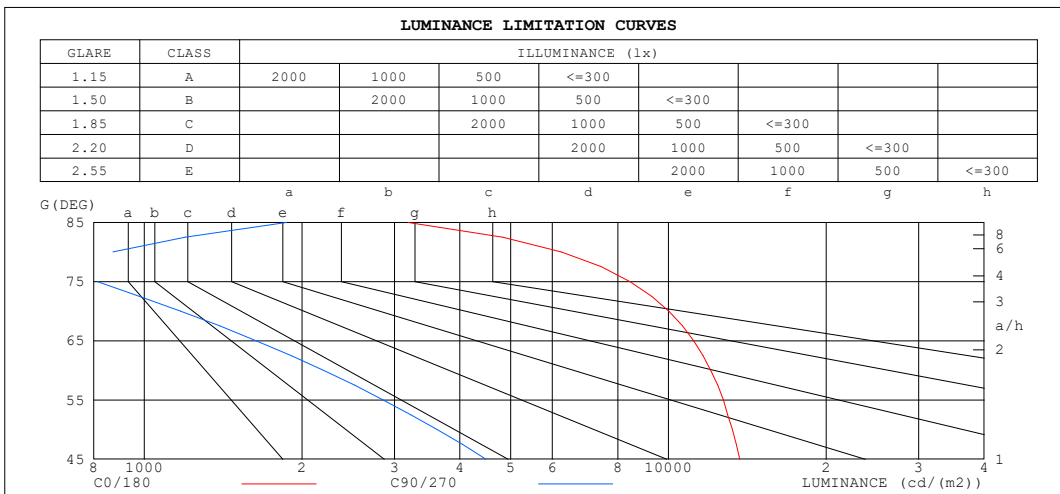
%lamp = 66.9%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:13 December 2022

γ Range: 0 - 150DEG
 γ Interval: 2.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: 99WT12/BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 600 x 180 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3186	1866
80	6242	871
75	8443	814
70	10014	1172
65	11168	1635
60	12042	2198
55	12729	2856
50	13232	3619
45	13685	4484

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 13 December 2022

γ Range: 0 - 150DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

```

γ Range: 0 - 150DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

```

WEC AND CCEC

NAME: 99WT12/BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 600 x 180 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.467	.266	.084	.452	.258	.082	.423	.243	.077	.396	.229	.073	.372	.216	.070	
2.0	.400	.219	.067	.386	.213	.066	.360	.200	.062	.336	.189	.059	.314	.177	.056	
3.0	.353	.188	.056	.341	.183	.055	.317	.172	.052	.295	.162	.050	.275	.152	.047	
4.0	.317	.165	.048	.306	.160	.047	.284	.151	.045	.264	.142	.043	.246	.134	.041	
5.0	.287	.146	.042	.277	.142	.041	.258	.134	.040	.240	.126	.038	.223	.119	.036	
6.0	.263	.132	.038	.254	.128	.037	.236	.121	.035	.219	.114	.033	.204	.107	.032	
7.0	.242	.120	.034	.234	.116	.033	.217	.110	.032	.202	.104	.030	.188	.098	.029	
8.0	.224	.110	.031	.217	.107	.030	.202	.101	.029	.188	.095	.027	.174	.090	.026	
9.0	.209	.101	.028	.202	.098	.028	.188	.093	.026	.175	.088	.025	.163	.083	.024	
10.0	.195	.094	.026	.189	.091	.025	.176	.086	.024	.164	.081	.023	.153	.077	.022	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.396	.396	.396	.338	.338	.338	.231	.231	.231	.133	.133	.133	.042	.042	.042	
1.0	.392	.356	.323	.335	.305	.278	.229	.210	.192	.132	.122	.112	.042	.039	.036	
2.0	.384	.329	.282	.329	.283	.244	.226	.196	.170	.130	.114	.100	.042	.037	.033	
3.0	.375	.310	.257	.322	.267	.223	.221	.186	.157	.128	.108	.092	.041	.035	.030	
4.0	.366	.295	.241	.314	.255	.209	.216	.178	.147	.125	.104	.087	.040	.034	.029	
5.0	.357	.284	.229	.307	.245	.200	.211	.171	.141	.122	.101	.084	.039	.033	.028	
6.0	.348	.274	.221	.299	.238	.193	.206	.166	.136	.120	.098	.081	.039	.032	.027	
7.0	.340	.267	.215	.292	.231	.188	.202	.162	.133	.117	.095	.079	.038	.031	.026	
8.0	.332	.260	.211	.286	.226	.184	.198	.158	.130	.115	.093	.078	.037	.031	.026	
9.0	.324	.254	.207	.280	.221	.181	.194	.155	.128	.113	.092	.077	.037	.030	.025	
10.0	.318	.250	.204	.274	.217	.178	.190	.153	.127	.111	.090	.076	.036	.030	.025	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:13 December 2022

γ Range: 0 - 150DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: 99WT12/BL						TYPE:			WEIGHT: 1		
SPEC.:						DIM.: 600 x 180 x 40			SERIAL No.: 0		
MFR.: Elmark Industries JSC						SUR.: rectangle			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	16.7	18.1	17.2	18.6	19.2	10.7	12.1	11.3	12.6	13.2
	3H	17.8	19.1	18.4	19.7	20.3	10.8	12.1	11.4	12.7	13.3
	4H	18.2	19.4	18.8	20.0	20.6	10.8	12.0	11.4	12.6	13.2
	6H	18.4	19.5	19.0	20.1	20.8	10.7	11.9	11.3	12.5	13.1
	8H	18.4	19.5	19.0	20.1	20.8	10.7	11.8	11.3	12.4	13.1
	12H	18.4	19.4	19.0	20.0	20.7	10.8	11.9	11.4	12.5	13.2
4H	2H	16.4	17.6	17.0	18.2	18.8	11.0	12.2	11.6	12.8	13.4
	3H	17.5	18.6	18.1	19.2	19.9	11.2	12.2	11.8	12.8	13.5
	4H	17.9	18.9	18.5	19.5	20.2	11.1	12.1	11.8	12.7	13.5
	6H	18.1	19.0	18.8	19.6	20.4	11.1	12.0	11.8	12.6	13.4
	8H	18.1	18.9	18.8	19.6	20.4	11.2	12.0	11.8	12.6	13.4
	12H	18.1	18.8	18.8	19.5	20.3	11.3	12.0	12.0	12.7	13.5
8H	4H	17.7	18.5	18.4	19.2	20.0	11.1	11.9	11.7	12.6	13.3
	6H	17.9	18.6	18.6	19.3	20.1	11.1	11.8	11.8	12.5	13.3
	8H	17.9	18.6	18.6	19.3	20.1	11.2	11.8	11.9	12.5	13.4
	12H	17.9	18.5	18.6	19.2	20.1	11.4	12.0	12.2	12.7	13.6
12H	4H	17.6	18.4	18.3	19.1	19.9	11.0	11.8	11.7	12.4	13.2
	6H	17.8	18.5	18.6	19.2	20.0	11.0	11.7	11.8	12.4	13.2
	8H	17.9	18.4	18.6	19.2	20.0	11.2	11.7	11.9	12.5	13.3
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 1.3 / - 1.3					+ 1.0 / - 1.4				
1.5H		+ 2.3 / - 2.9					+ 0.5 / - 0.8				
2.0H		+ 3.4 / - 4.9					+ 1.5 / - 1.8				

CIE Pub.117, 780.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.9)
Area: 0.012 m2

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:13 December 2022

γ Range: 0 - 150DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: 99WT12/BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 600 x 180 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle	Shielding Angle:

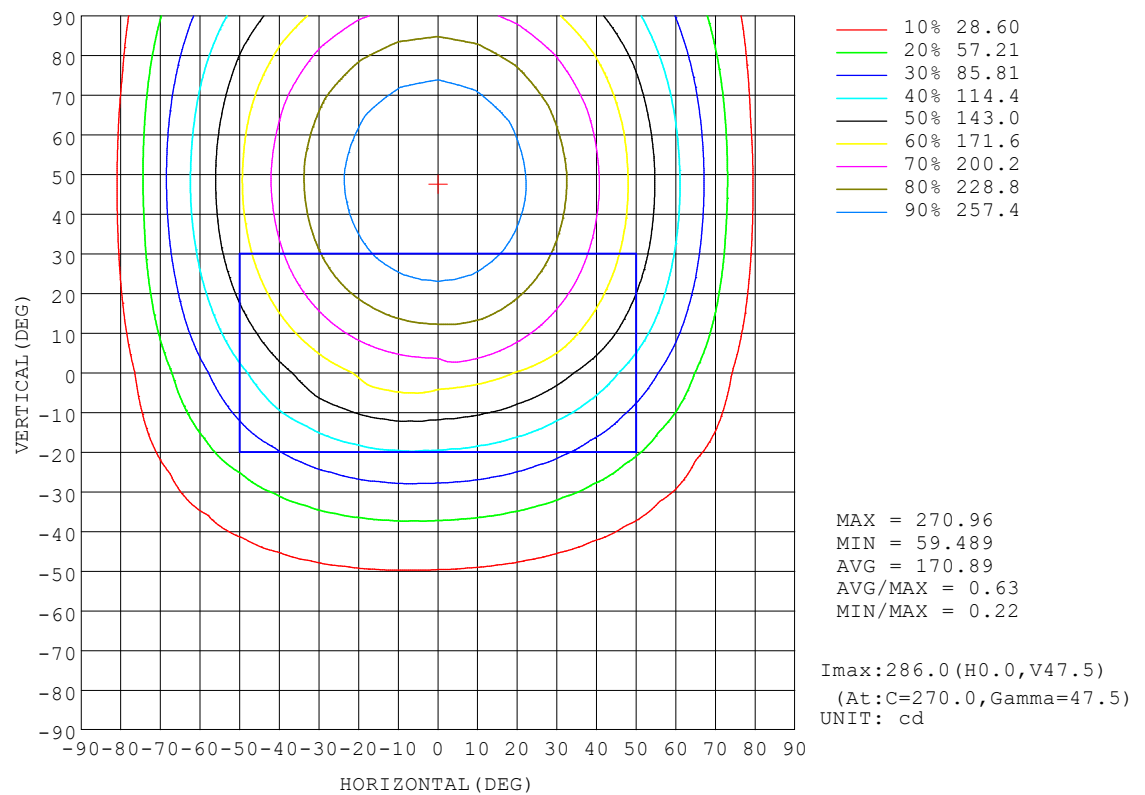
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	55	40	32	54	40	31	51	39	31	23
0.80	66	50	40	64	49	40	60	48	39	30
1.00	75	59	49	72	58	48	68	58	47	37
1.25	83	67	57	80	66	56	75	63	54	43
1.50	89	74	63	85	72	62	80	68	60	47
2.00	97	84	74	94	81	72	87	77	69	55
2.50	103	90	80	99	87	78	91	82	74	59
3.00	107	96	87	103	92	84	95	86	79	64
4.00	113	103	95	108	99	92	99	92	86	69
5.00	116	108	101	111	104	97	102	96	91	73
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 13 December 2022

γ Range: 0 - 150DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 99WT12/BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 600 x 180 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle	Shielding Angle:

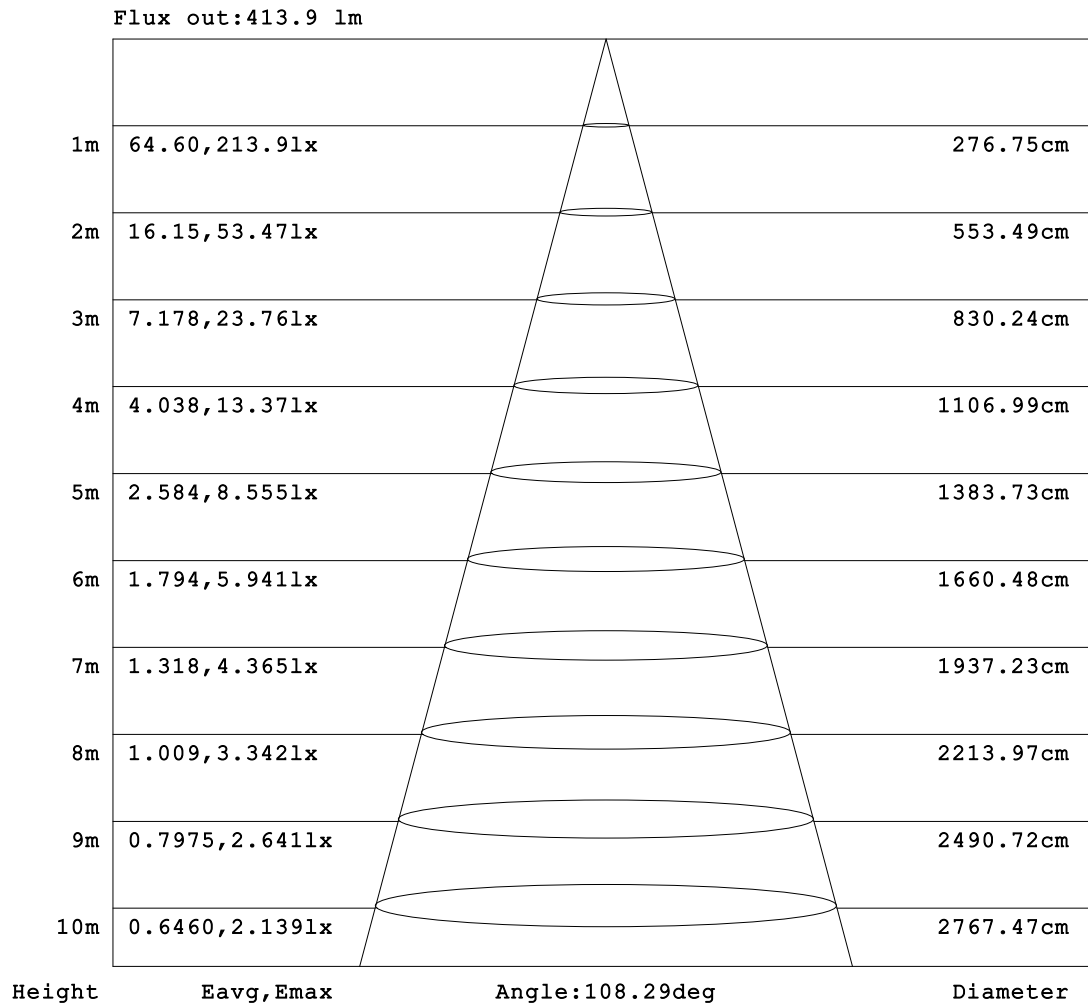


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 13 December 2022

γ Range: 0 - 150DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

AAI Figure

NAME: 99WT12/BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 600 x 180 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle	Shielding Angle:



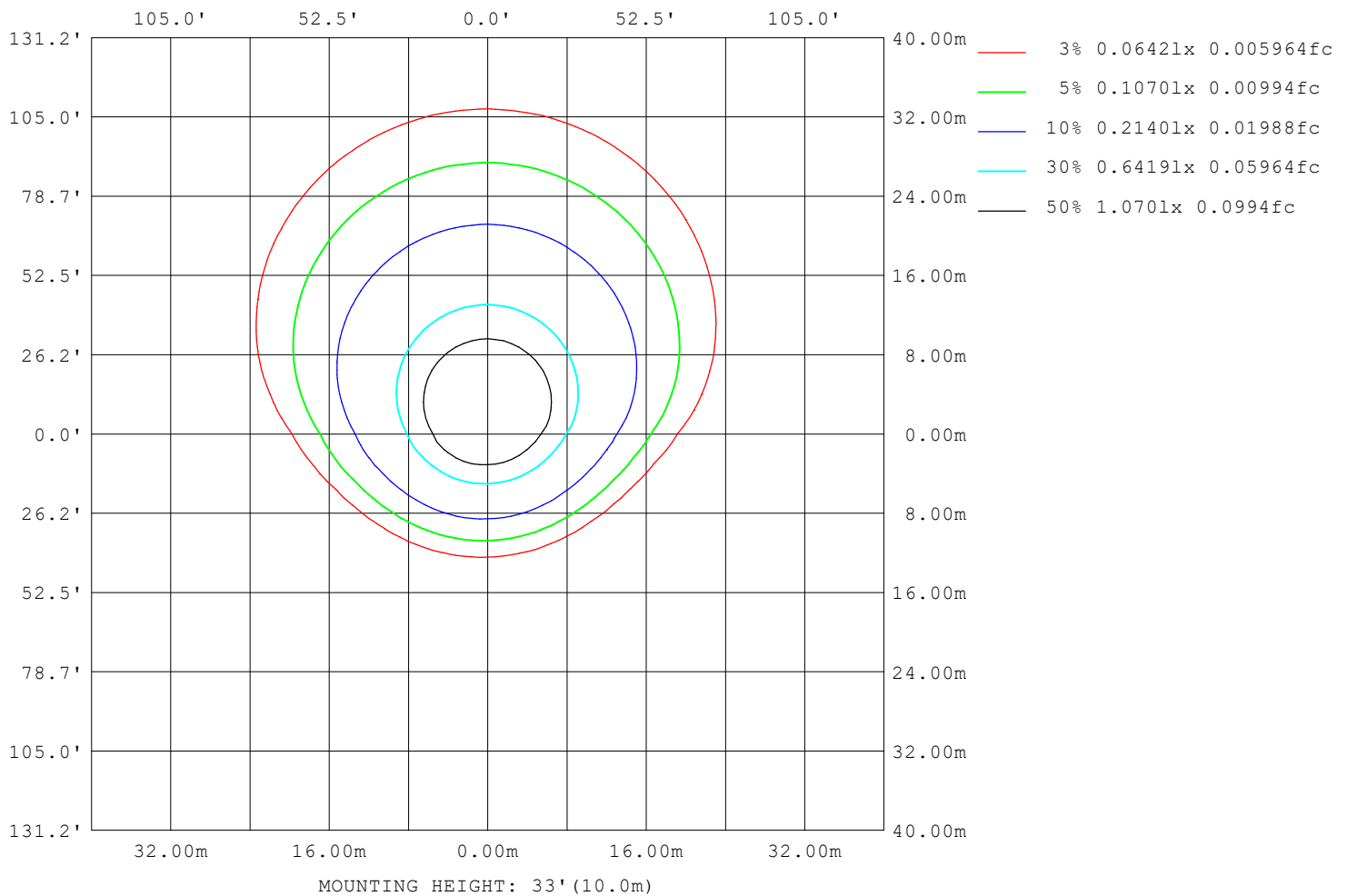
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 13 December 2022

γ Range: 0 - 150DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: 99WT12/BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 600 x 180 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 13 December 2022

γ Range: 0 - 150DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: 99WT12/BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 600 x 180 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle	Shielding Angle:

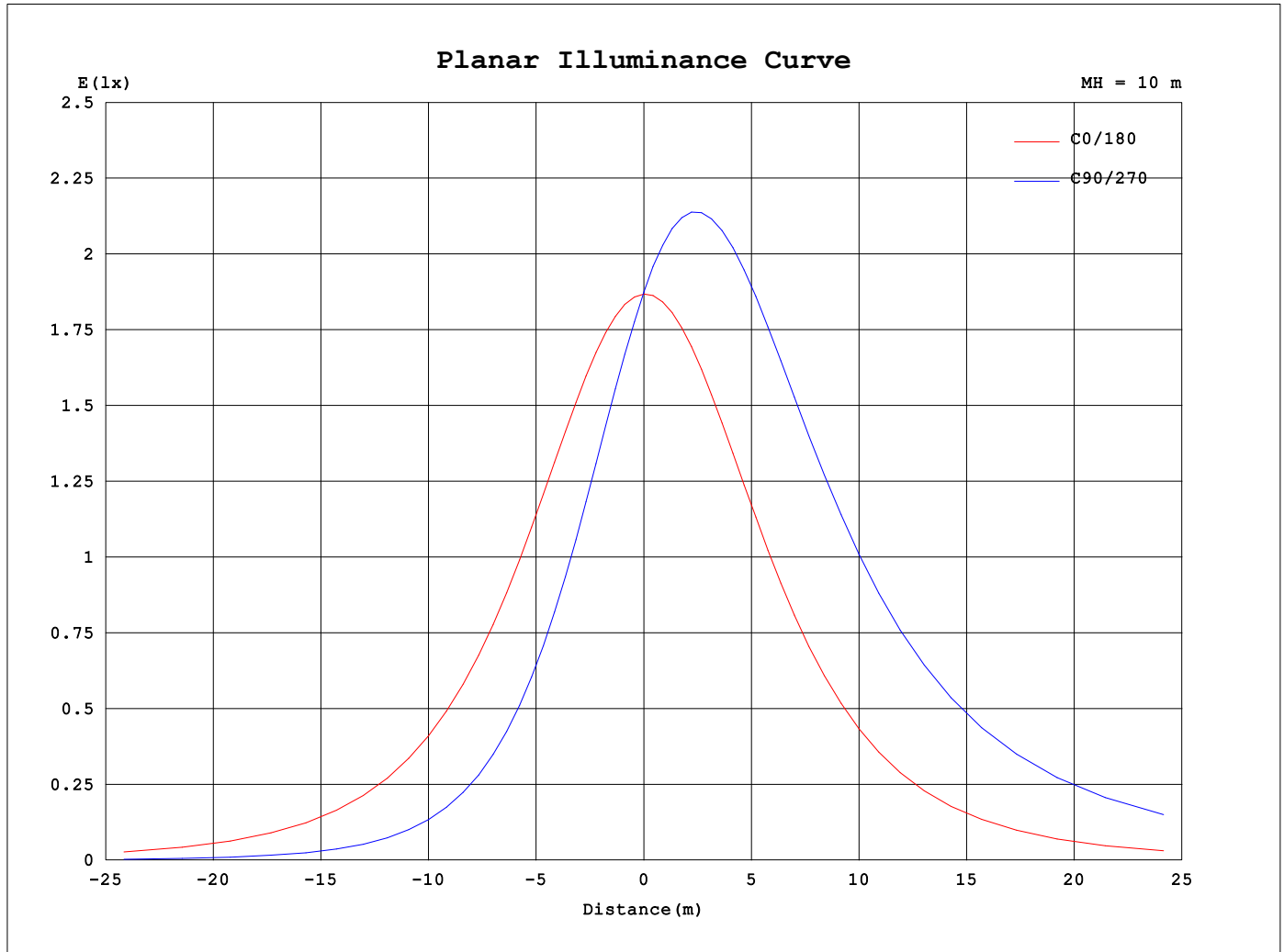
AvgL	cd/m2
L_0~180 (65) av	11988
L_0~180 (75) av	9600
L_0~180 (85) av	5005
L_90~270 (65) av	27991
L_90~270 (75) av	41701
L_90~270 (85) av	110676
L_45 (65) av	21258
L_45 (75) av	29582
L_45 (85) av	73463

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:13 December 2022

γ Range: 0 - 150DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 13 December 2022

γ Range: 0 - 150DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 99WT12/BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 600 x 180 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189
5	187	184	181	178	176	174	172	171	170	170	170	171	173	175	177	179	182	185	188
10	184	178	172	167	162	158	155	153	151	151	152	154	156	160	164	169	174	180	186
15	179	170	161	154	147	141	137	134	132	132	133	135	139	144	149	157	164	173	182
20	172	161	149	140	131	125	119	116	114	114	114	118	121	128	135	144	153	164	176
25	164	150	136	125	115	108	102	98.3	95.8	95.8	96.8	100	105	111	119	129	141	154	168
30	154	137	122	109	98.6	91.2	85.4	81.6	79.5	79.2	80.5	83.7	88.1	95.2	103	115	127	143	159
35	143	124	107	93.7	83.1	75.3	69.7	66.2	64.2	63.9	65.3	68.3	72.9	79.6	87.9	99.6	113	130	149
40	131	110	91.6	78.2	67.8	60.5	55.3	52.2	50.4	50.2	51.5	54.3	58.6	64.8	73.2	84.4	98.3	117	137
45	117	94.9	76.6	63.1	53.4	46.9	42.5	39.8	38.4	38.3	39.4	41.8	45.6	51.1	58.8	69.5	83.6	102	124
50	103	79.5	61.4	48.9	40.4	34.9	31.3	29.2	28.2	28.1	29.0	31.0	34.2	38.8	45.4	55.1	68.6	87.2	110
55	88.5	64.0	46.8	35.8	28.9	24.6	22.0	20.5	19.8	19.8	20.5	22.1	24.5	28.2	33.5	41.7	53.9	71.9	95.4
60	73.0	48.7	33.3	24.5	19.3	16.3	14.6	13.6	13.2	13.3	13.8	14.9	16.6	19.2	23.3	29.6	39.9	56.5	80.1
65	57.2	34.1	21.5	15.1	11.8	10.05	9.00	8.49	8.26	8.34	8.74	9.50	10.6	12.3	15.0	19.5	27.3	41.6	64.4
70	41.5	21.0	12.0	8.26	6.47	5.59	5.08	4.84	4.76	4.84	5.11	5.58	6.24	7.25	8.75	11.4	16.6	27.6	48.6
75	26.5	10.3	5.40	3.80	3.10	2.74	2.57	2.49	2.49	2.55	2.72	2.97	3.33	3.82	4.55	5.84	8.51	15.5	33.2
80	13.1	3.38	1.87	1.46	1.33	1.35	1.53	1.69	1.77	1.83	1.80	1.73	1.69	1.82	2.08	2.51	3.43	6.48	18.8
85	3.36	0.71	0.74	0.96	1.18	1.43	1.62	1.81	1.89	1.96	1.90	1.83	1.65	1.47	1.23	1.04	1.15	1.66	7.11
90	0.43	0.61	0.79	1.06	1.29	1.56	1.76	1.94	2.03	2.10	2.04	1.97	1.78	1.60	1.33	1.09	0.83	0.64	0.62
95	0.48	0.70	0.89	1.17	1.41	1.68	1.88	2.08	2.15	2.22	2.16	2.09	1.90	1.72	1.44	1.21	0.92	0.73	0.44
100	0.57	0.79	0.99	1.27	1.51	1.80	1.99	2.18	2.26	2.33	2.27	2.20	2.02	1.83	1.55	1.32	1.03	0.82	0.51
105	0.66	0.88	1.09	1.37	1.62	1.89	2.08	2.27	2.35	2.42	2.36	2.29	2.11	1.94	1.66	1.42	1.14	0.92	0.60
110	0.75	0.98	1.19	1.47	1.71	1.98	2.16	2.34	2.42	2.48	2.43	2.36	2.20	2.02	1.76	1.52	1.24	1.03	0.70
115	0.85	1.08	1.28	1.55	1.79	2.04	2.22	2.39	2.47	2.53	2.48	2.42	2.26	2.10	1.85	1.62	1.35	1.13	0.80
120	0.95	1.17	1.36	1.63	1.85	2.09	2.25	2.41	2.49	2.54	2.51	2.45	2.30	2.16	1.92	1.71	1.44	1.24	0.89
125	1.04	1.25	1.44	1.69	1.90	2.13	2.28	2.41	2.51	2.54	2.52	2.45	2.33	2.20	1.98	1.79	1.54	1.34	0.99
130	1.13	1.34	1.51	1.74	1.93	2.13	2.28	2.40	2.51	2.53	2.52	2.45	2.34	2.21	2.02	1.85	1.62	1.44	1.09
135	1.21	1.41	1.57	1.79	1.95	2.13	2.28	2.38	2.49	2.50	2.51	2.43	2.34	2.21	2.05	1.90	1.69	1.53	1.17
140	1.29	1.47	1.61	1.81	1.96	2.11	2.27	2.35	2.45	2.46	2.48	2.40	2.34	2.20	2.07	1.94	1.75	1.61	1.25
145	1.36	1.53	1.66	1.82	1.96	2.09	2.24	2.30	2.40	2.40	2.42	2.36	2.31	2.19	2.08	1.96	1.80	1.68	1.33
150	1.43	1.56	1.69	1.82	1.96	2.07	2.19	2.25	2.33	2.34	2.36	2.32	2.27	2.19	2.08	1.98	1.84	1.73	1.39
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:13 December 2022

γ Range: 0 - 150DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 99WT12/BL	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 600 x 180 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189		
5	191	195	197	200	202	204	206	206	207	206	205	203	201	199	196	193	190		
10	192	199	205	210	215	219	221	223	223	223	220	217	213	208	202	196	190		
15	191	201	210	218	225	231	235	238	239	237	234	229	222	215	206	197	188		
20	188	201	213	224	234	242	248	251	252	250	245	239	230	220	209	197	184		
25	183	199	214	228	240	251	258	262	263	261	255	247	236	223	209	194	179		
30	177	196	214	231	245	257	266	271	273	270	263	252	239	224	207	190	172		
35	169	191	211	231	248	262	272	278	280	276	268	256	241	224	204	184	163		
40	160	184	207	229	248	264	276	283	285	281	271	258	241	221	199	177	153		
45	149	176	201	225	246	264	277	285	287	283	273	258	239	217	193	168	142		
50	137	166	194	220	243	262	276	285	288	283	272	255	234	211	185	158	130		
55	125	156	185	213	237	258	274	283	286	281	269	251	229	203	176	147	117		
60	111	144	175	204	230	252	269	279	282	277	263	245	221	195	165	135	103		
65	96.3	131	163	194	221	245	262	273	276	270	256	237	212	184	153	122	88.1		
70	81.5	117	151	183	211	235	253	264	267	261	247	227	202	173	141	108	73.2		
75	65.9	102	137	170	199	224	242	253	256	251	236	216	190	160	127	93.0	57.7		
80	50.2	87.3	123	157	186	211	229	241	244	238	223	203	176	147	113	78.0	42.5		
85	35.1	71.9	108	142	171	196	215	226	230	224	209	188	162	132	98.0	63.1	28.2		
90	21.8	56.9	92.4	127	156	180	199	210	214	208	194	173	147	117	83.6	49.0	16.6		
95	12.4	43.4	77.9	111	139	164	182	193	196	191	177	157	131	102	69.6	37.0	9.50		
100	7.35	32.5	64.1	95.5	123	147	164	175	178	173	160	141	115	87.6	57.0	27.6	5.92		
105	4.88	24.3	52.0	81.0	107	130	146	157	159	155	142	124	100	74.1	46.1	20.8	4.08		
110	3.49	18.3	41.7	67.7	91.7	113	128	138	141	136	124	108	85.8	61.8	37.0	15.7	2.85		
115	2.47	14.0	33.2	55.7	77.6	96.5	110	120	122	118	107	91.8	72.2	50.8	29.4	12.0	2.15		
120	1.88	10.7	26.2	45.2	64.2	81.1	93.5	102	104	101	90.5	77.0	59.7	41.1	23.1	9.22	1.66		
125	1.22	7.70	20.4	36.1	52.2	66.7	77.9	85.1	87.1	83.8	75.3	63.3	48.4	32.7	18.0	6.53	1.30		
130	1.01	5.01	15.7	28.2	41.5	53.7	63.2	69.4	71.1	68.3	61.0	50.8	38.3	25.5	13.4	4.50	1.19		
135	1.01	3.51	11.3	21.6	32.1	42.0	49.8	54.9	56.4	54.1	48.1	39.7	29.6	19.4	9.37	3.24	1.19		
140	1.09	2.35	7.05	15.6	24.1	31.8	38.0	42.1	43.3	41.4	36.6	30.0	22.1	13.6	6.33	2.39	1.29		
145	1.18	1.60	4.98	9.98	16.8	23.1	27.8	30.9	31.8	30.4	26.7	21.6	15.1	8.79	4.29	1.75	1.39		
150	1.26	1.24	3.06	6.36	9.97	15.3	18.6	20.9	21.8	20.5	17.7	14.1	9.30	5.71	2.90	1.47	1.48		
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:13 December 2022

γ Range: 0 - 150DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks: