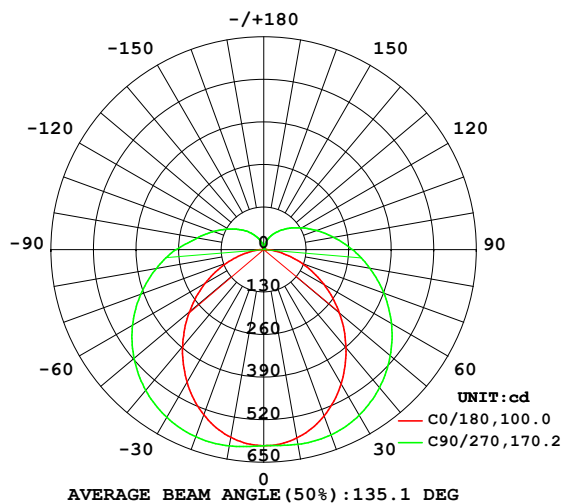


LUMINAIRE PHOTOMETRIC TEST REPORT

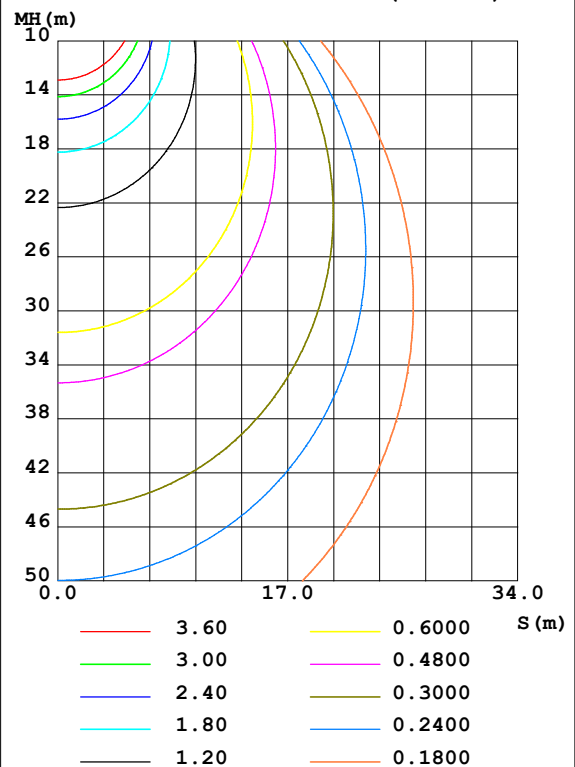
Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm		
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K CRI90	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.11 lm/W			
LED MODULE	1300lm 940 HV ADV5	Imax(cd)	610.6	S/MH(C0/180)	1.17
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.47
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	2771.2	η UP,DN(C0-180)	9.1,40.8
NOMINAL FLUX(lm)	2771.19	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	8.7,41.3
LAMPS INSIDE	1	η up(%)	17.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	η down(%)	82.1	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [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	584.5	594.9	604.1	593.7	582.5	597.4	608.8	599.4	0- 10	57.07	57.07	2.06,2.06
20	540.6	575.8	602.4	574.1	536.9	578.3	608.5	582.3	10- 20	166.1	223.2	8.05,8.05
30	473.5	538.1	584.2	536.4	468.6	540.7	592.2	546.3	20- 30	257.2	480.3	17.3,17.3
40	391.4	485.5	550.6	484.2	386.1	488.7	561.2	495.5	30- 40	319.4	799.8	28.9,28.9
50	302.3	423.8	505.1	423.2	297.0	427.5	517.4	435.0	40- 50	348.0	1148	41.4,41.4
60	212.3	358.5	450.7	358.9	207.1	362.1	462.9	369.9	50- 60	344.0	1492	53.8,53.8
70	125.6	294.7	390.8	296.1	121.1	297.2	399.9	304.6	60- 70	312.7	1804	65.1,65.1
80	49.27	236.7	329.3	238.7	46.02	236.9	333.5	243.5	70- 80	263.3	2068	74.6,74.6
90	5.722	187.7	271.4	190.2	5.592	184.8	268.4	190.2	80- 90	208.4	2276	82.1,82.1
100	1.281	146.4	217.6	148.8	1.259	140.1	206.7	146.4	90-100	160.5	2437	87.9,87.9
110	1.478	113.6	171.8	113.4	1.593	105.3	163.1	111.9	100-110	120.3	2557	92.3,92.3
120	1.874	87.58	133.8	78.09	2.029	71.36	126.2	79.45	110-120	86.09	2643	95.4,95.4
130	2.282	66.49	102.1	51.63	2.466	47.66	95.79	62.08	120-130	58.00	2701	97.5,97.5
140	2.696	48.80	75.36	34.92	2.877	32.20	70.02	46.41	130-140	36.29	2737	98.8,98.8
150	3.107	33.61	52.07	22.14	3.226	20.49	47.22	31.88	140-150	20.33	2758	99.5,99.5
160	3.409	16.90	31.15	13.09	3.537	13.55	28.61	18.22	150-160	9.648	2767	99.9,99.9
170	3.654	8.107	8.027	7.441	3.746	7.210	7.991	8.182	160-170	3.209	2771	100,100
180	3.790	3.770	3.745	3.773	3.798	3.803	3.760	3.773	170-180	0.5290	2771	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 972.31 lm

%lum = 35.1%
%lamp = 35.1%

Conical surface Flux(120deg): 1491.7 lm

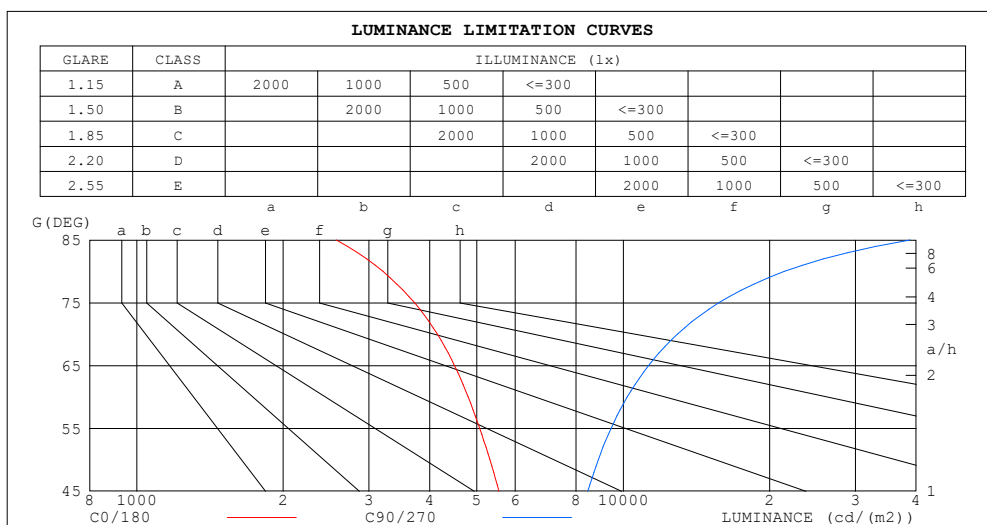
%lum = 53.8%
%lamp = 53.8%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm		
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K CRI90	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



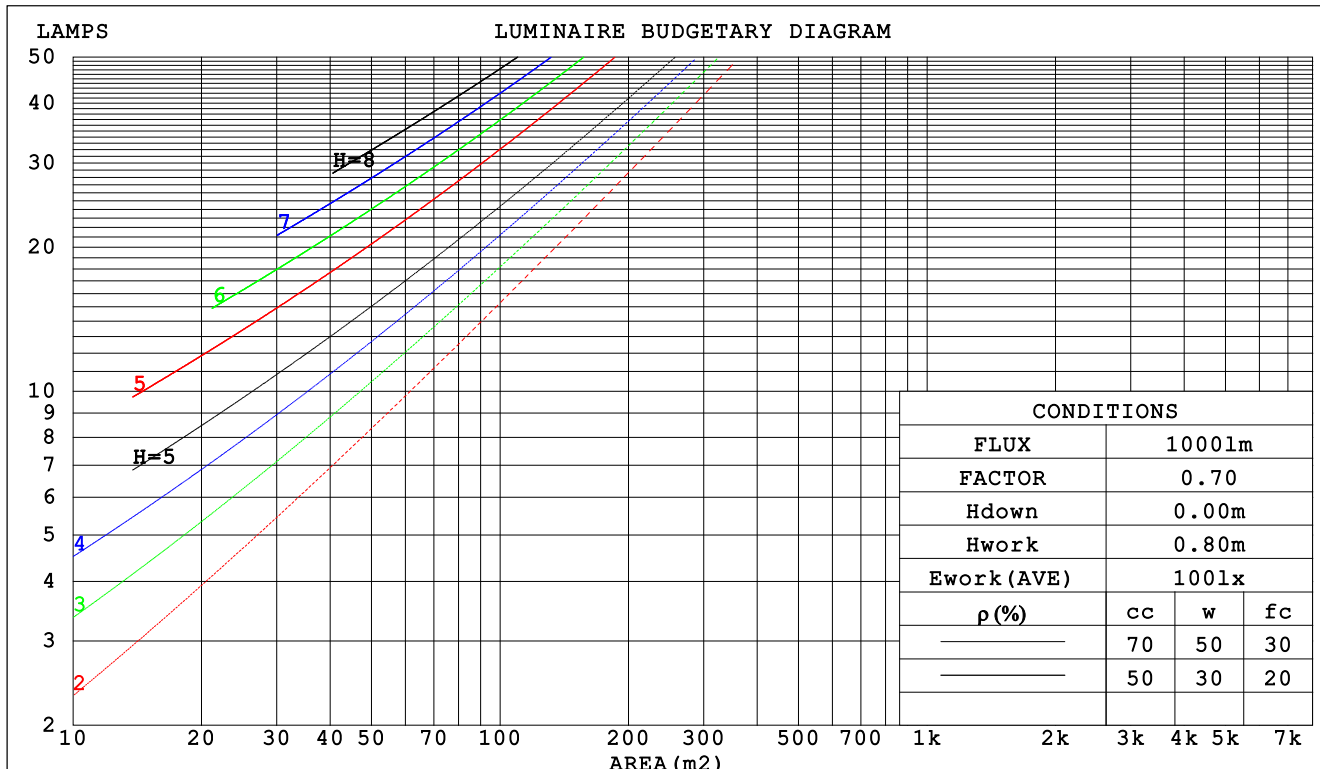
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm		
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K CRI90	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.86	.86	.86	.82
1.0	.96	.90	.85	.92	.87	.82	.84	.80	.76	.77	.74	.71	.70	.68	.66	.62
2.0	.82	.74	.67	.78	.71	.65	.72	.66	.61	.66	.61	.57	.60	.56	.53	.50
3.0	.71	.62	.55	.68	.60	.53	.62	.56	.50	.57	.52	.47	.52	.48	.44	.41
4.0	.62	.53	.46	.60	.51	.44	.55	.48	.42	.50	.44	.39	.46	.41	.37	.34
5.0	.55	.46	.39	.53	.44	.38	.49	.41	.36	.45	.39	.34	.41	.36	.32	.29
6.0	.50	.40	.33	.48	.39	.33	.44	.36	.31	.41	.34	.29	.37	.32	.28	.25
7.0	.45	.36	.29	.43	.35	.29	.40	.32	.27	.37	.30	.26	.34	.28	.24	.22
8.0	.41	.32	.26	.39	.31	.25	.36	.29	.24	.34	.27	.23	.31	.26	.22	.19
9.0	.37	.29	.23	.36	.28	.23	.33	.26	.21	.31	.25	.20	.29	.23	.19	.17
10.0	.34	.26	.21	.33	.25	.20	.31	.24	.19	.29	.23	.18	.27	.21	.18	.16



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm		
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K	CRI:90 TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	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	.385	.219	.069	.373	.213	.068	.349	.200	.064	.327	.189	.061	.307	.178	.057		
2.0	.333	.183	.056	.322	.177	.055	.300	.167	.052	.281	.157	.049	.262	.148	.047		
3.0	.296	.158	.047	.286	.153	.046	.266	.144	.044	.248	.136	.042	.232	.128	.040		
4.0	.266	.138	.041	.257	.135	.040	.240	.127	.038	.223	.120	.036	.208	.113	.034		
5.0	.242	.123	.036	.234	.120	.035	.218	.113	.033	.203	.107	.032	.189	.101	.030		
6.0	.222	.111	.032	.214	.108	.031	.200	.102	.030	.186	.097	.028	.173	.091	.027		
7.0	.205	.101	.029	.198	.098	.028	.184	.093	.027	.172	.088	.026	.160	.083	.024		
8.0	.190	.093	.026	.183	.090	.026	.171	.086	.024	.160	.081	.023	.149	.076	.022		
9.0	.177	.086	.024	.171	.083	.023	.160	.079	.022	.149	.075	.021	.139	.071	.020		
10.0	.166	.079	.022	.160	.077	.022	.150	.073	.021	.140	.069	.020	.131	.066	.019		

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	.327	.327	.327	.279	.279	.279	.190	.190	.190	.109	.109	.109	.035	.035	.035		
1.0	.323	.293	.266	.276	.251	.229	.189	.173	.158	.109	.100	.092	.035	.032	.030		
2.0	.316	.270	.231	.271	.232	.200	.185	.161	.139	.107	.093	.082	.034	.030	.027		
3.0	.308	.253	.209	.264	.219	.182	.182	.152	.127	.105	.089	.075	.034	.029	.025		
4.0	.301	.241	.195	.258	.208	.170	.177	.145	.119	.103	.085	.071	.033	.028	.023		
5.0	.293	.231	.185	.252	.200	.161	.173	.140	.114	.100	.082	.068	.032	.027	.022		
6.0	.285	.223	.178	.245	.193	.155	.169	.135	.110	.098	.080	.065	.032	.026	.022		
7.0	.278	.216	.173	.239	.188	.151	.165	.132	.107	.096	.078	.064	.031	.025	.021		
8.0	.272	.211	.169	.234	.183	.148	.162	.128	.105	.094	.076	.062	.030	.025	.021		
9.0	.265	.206	.166	.229	.179	.145	.158	.126	.103	.092	.074	.061	.030	.024	.020		
10.0	.260	.202	.164	.224	.175	.143	.155	.123	.101	.091	.073	.061	.029	.024	.020		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm										
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K CRI90						TYPE:LED				
SPEC.:						DIM.:			SERIAL No.:1	
MFR.: DARKON						SUR.:			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	17.1	18.5	17.6	19.0	19.6	20.0	21.4	20.6	21.9	22.5
3H	18.5	19.8	19.0	20.3	20.9	22.7	24.0	23.2	24.5	25.1
4H	19.1	20.3	19.6	20.8	21.4	24.2	25.4	24.7	25.9	26.6
6H	19.5	20.6	20.0	21.2	21.8	25.8	26.9	26.3	27.5	28.1
8H	19.6	20.7	20.2	21.3	21.9	26.7	27.8	27.2	28.3	29.0
12H	19.7	20.7	20.3	21.3	22.0	27.7	28.7	28.3	29.3	30.0
4H 2H	18.5	19.7	19.0	20.2	20.9	20.5	21.8	21.1	22.3	22.9
3H	20.2	21.2	20.8	21.8	22.5	23.5	24.5	24.1	25.1	25.8
4H	20.9	21.9	21.5	22.5	23.2	25.1	26.1	25.8	26.7	27.4
6H	21.5	22.4	22.2	23.1	23.8	27.0	27.9	27.6	28.5	29.2
8H	21.8	22.6	22.4	23.2	24.0	28.0	28.8	28.7	29.5	30.2
12H	21.9	22.7	22.6	23.4	24.1	29.2	29.9	29.8	30.6	31.4
8H 4H	22.2	23.0	22.8	23.7	24.4	25.5	26.3	26.1	26.9	27.7
6H	23.2	23.9	23.9	24.6	25.4	27.6	28.3	28.3	29.0	29.8
8H	23.7	24.3	24.4	25.0	25.8	28.9	29.5	29.6	30.2	31.0
12H	24.1	24.6	24.8	25.3	26.2	30.3	30.8	31.0	31.6	32.4
12H 4H	22.6	23.3	23.3	24.0	24.8	25.5	26.2	26.2	26.9	27.7
6H	23.9	24.5	24.6	25.2	26.0	27.7	28.3	28.4	29.1	29.9
8H	24.6	25.1	25.3	25.8	26.7	29.1	29.6	29.8	30.3	31.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 2771 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.5)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm		
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K CRI90	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

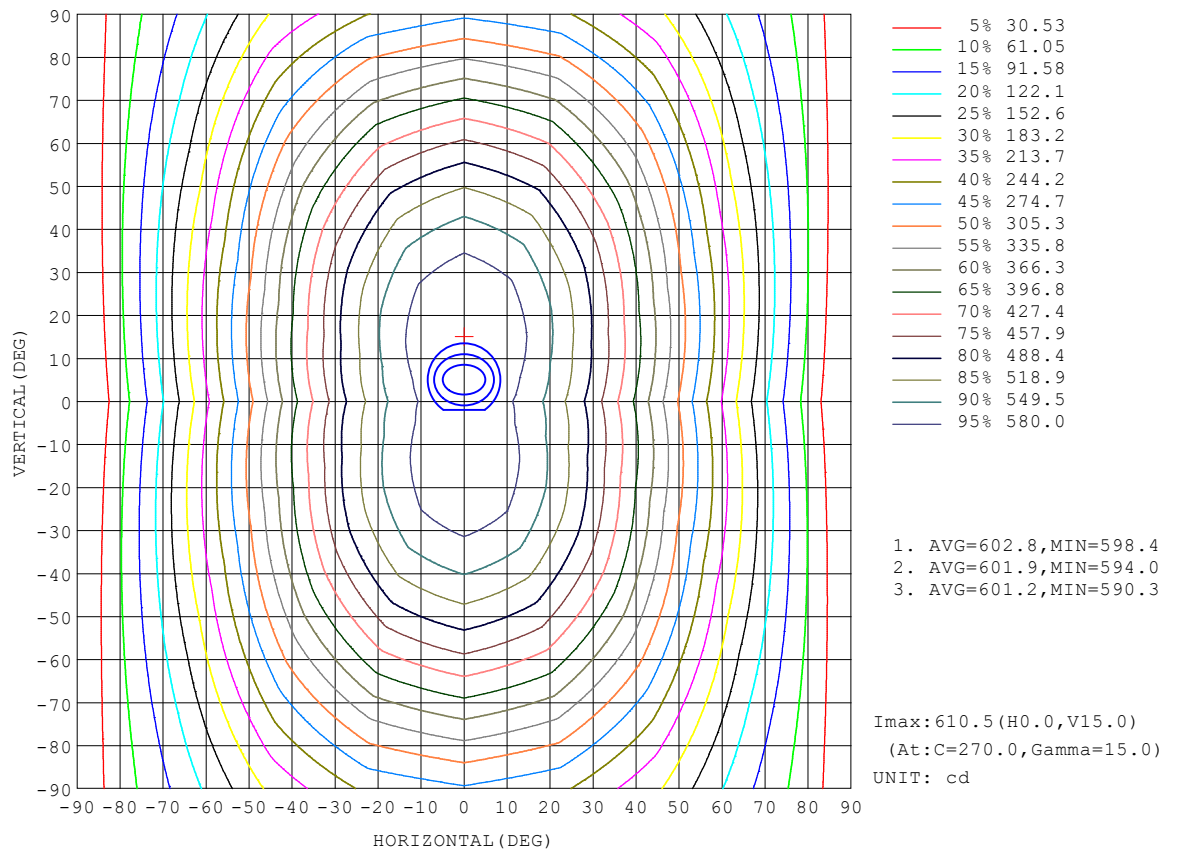
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	35	28	47	35	28	45	34	28	21
0.80	57	44	36	55	43	36	53	42	35	27
1.00	65	52	43	63	51	43	59	51	42	33
1.25	72	59	50	69	58	50	65	55	48	38
1.50	77	64	56	74	63	55	69	60	53	42
2.00	84	73	65	81	71	63	75	67	60	49
2.50	88	78	70	85	76	69	79	71	65	53
3.00	92	83	75	89	80	73	82	75	69	56
4.00	97	89	82	93	86	80	86	80	75	61
5.00	100	93	87	96	90	84	88	83	79	64
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm		
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K CRI90	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

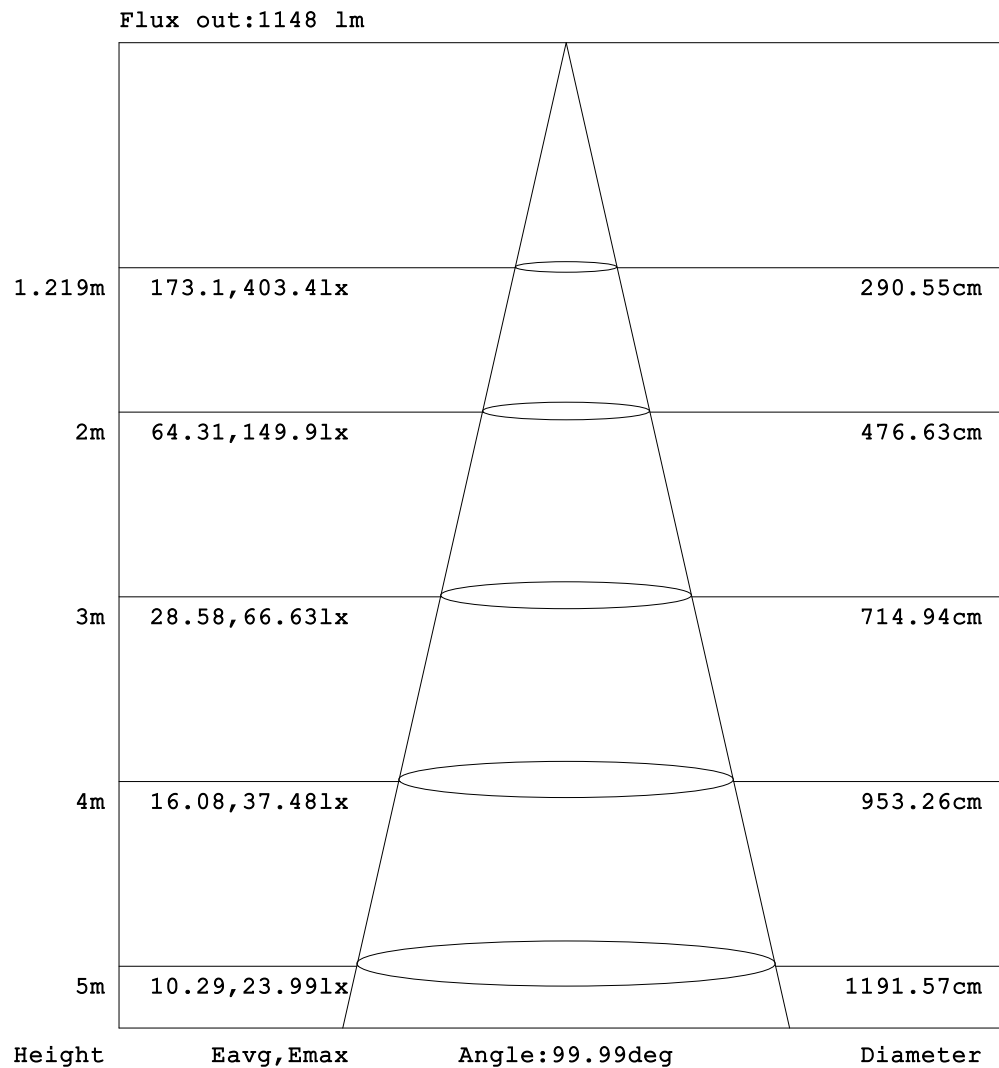


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm		
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K CRI90	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



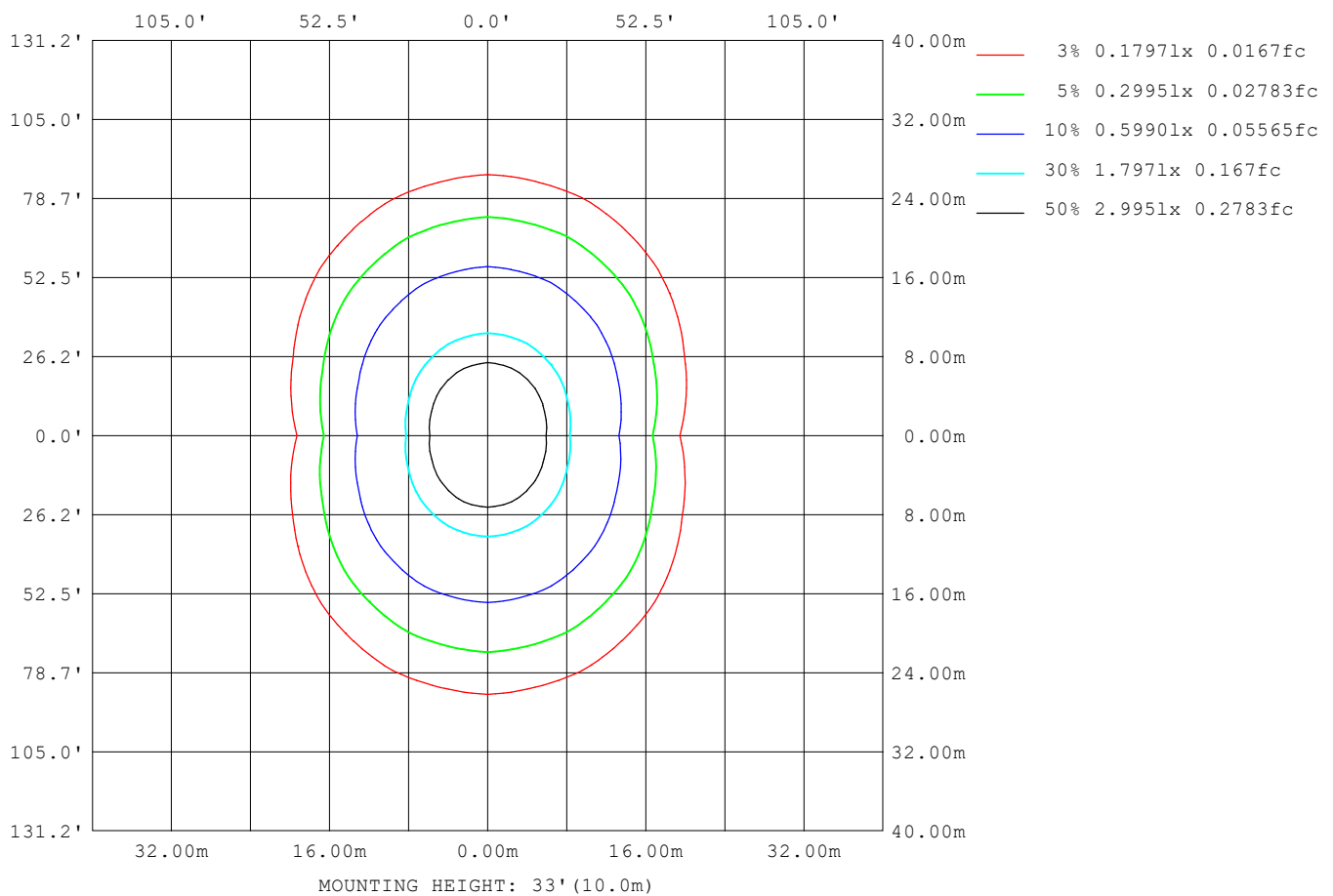
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm		
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K CRI90	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm		
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K CRI90	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

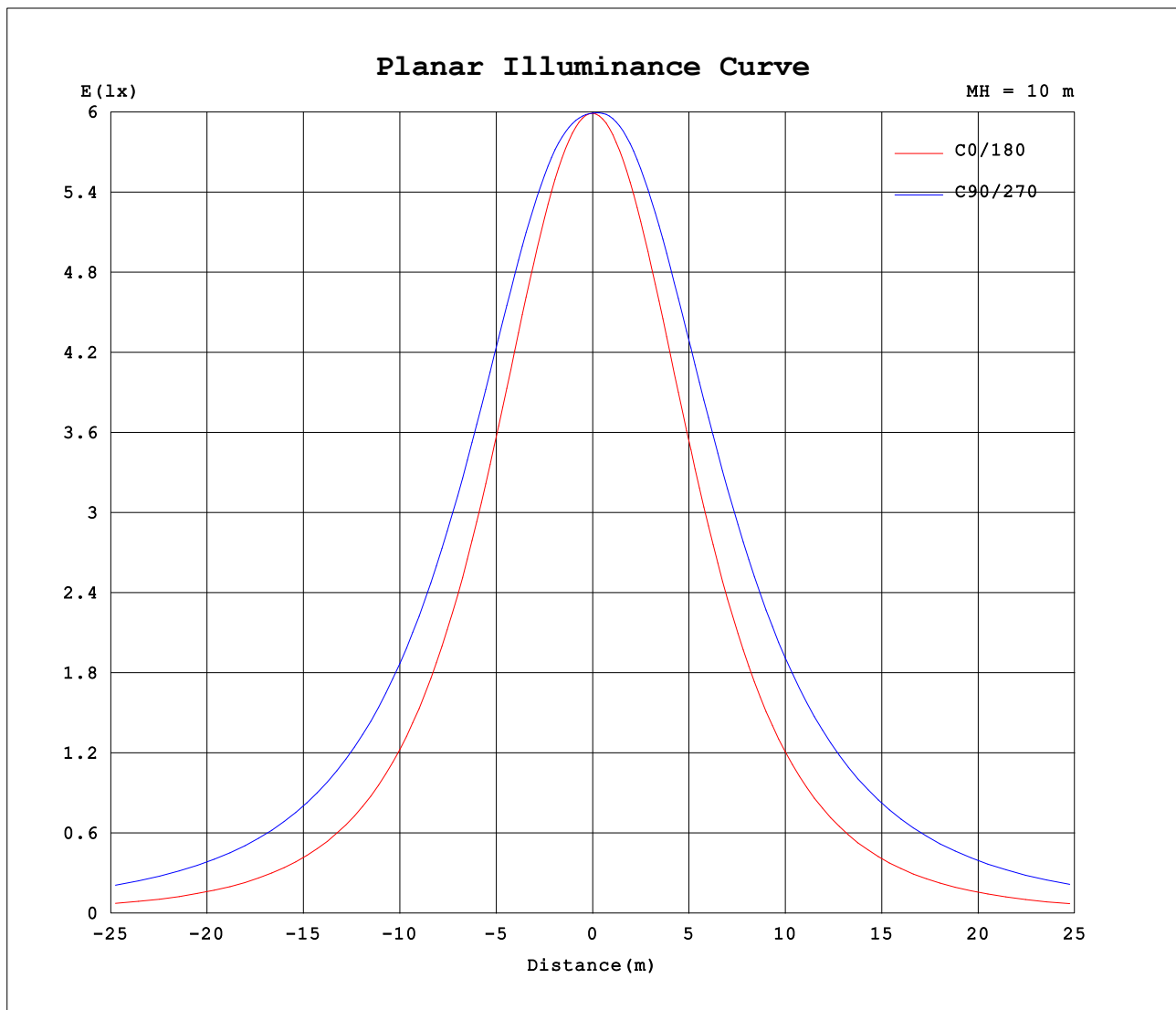
AvgL	cd/m2
L_0~180 (65) av	4436
L_0~180 (75) av	3642
L_0~180 (85) av	2431
L_90~270 (65) av	11421
L_90~270 (75) av	15880
L_90~270 (85) av	38970
L_45 (65) av	8829
L_45 (75) av	11699
L_45 (85) av	27553

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:08 June 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.892m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JEFF
Test Date: 08 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 7.892m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.1V I:0.1606A P:36.89W PF:0.9570 Lamp Flux:2771.19x1 lm		
NAME: GRAZER TUBE_1146_NA_WHT_OV_HE_500mA_4000K CRI90	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599			
5	596	596	598	600	601	600	597	595	595	597	600	603	604	603	601	598			
10	585	588	595	602	604	601	594	586	583	588	597	605	609	607	599	590			
15	566	573	588	600	605	600	586	571	563	573	590	605	611	606	593	577			
20	541	552	576	595	602	594	574	550	537	553	578	600	608	602	582	557			
25	509	527	559	586	595	585	557	524	505	527	562	590	602	593	566	532			
30	473	497	538	572	584	571	536	494	469	496	541	577	592	580	546	503			
35	434	463	513	554	569	554	512	461	429	462	516	560	578	564	522	470			
40	391	427	485	533	551	533	484	424	386	426	489	540	561	544	496	434			
45	347	388	455	509	529	509	454	387	342	388	459	517	541	521	466	396			
50	302	349	424	483	505	483	423	348	297	348	428	491	517	496	435	357			
55	257	310	391	455	479	455	391	309	252	309	395	464	491	468	403	318			
60	212	270	359	426	451	427	359	270	207	270	362	434	463	439	370	279			
65	168	233	326	396	421	397	327	233	163	232	329	403	432	408	337	241			
70	126	196	295	366	391	366	296	198	121	196	297	371	400	376	305	204			
75	85.2	163	265	336	360	336	266	166	81.4	162	266	339	367	343	273	171			
80	49.3	134	237	306	329	307	239	137	46.0	133	237	307	333	311	243	141			
85	19.8	110	211	278	300	278	213	114	17.7	108	209	276	301	280	216	115			
90	5.72	90.7	188	251	271	252	190	94.9	5.59	88.4	185	244	268	251	190	94.9			
95	5.57	75.8	166	225	244	226	168	80.1	5.48	73.4	162	216	234	223	167	78.9			
100	1.28	64.8	146	200	218	201	149	68.7	1.26	62.1	140	192	207	197	146	66.8			
105	1.35	56.3	129	178	194	179	131	59.3	1.41	53.1	120	170	184	174	128	56.4			
110	1.48	49.5	114	157	172	158	113	49.6	1.59	44.3	105	149	163	153	112	46.7			
115	1.67	43.6	99.8	139	152	140	94.7	42.4	1.81	37.5	88.8	130	144	134	93.4	42.1			
120	1.87	38.2	87.6	122	134	123	78.1	34.7	2.03	30.8	71.4	112	126	112	79.5	37.3			
125	2.08	33.4	76.5	107	117	108	63.0	28.8	2.25	25.6	58.1	98.4	110	95.1	71.4	32.1			
130	2.28	29.0	66.5	92.9	102	82.4	51.6	23.9	2.47	21.4	47.7	81.7	95.8	85.4	62.1	28.7			
135	2.48	24.7	57.3	80.2	88.2	69.7	43.1	19.8	2.68	17.8	39.7	63.4	82.5	74.8	54.2	24.9			
140	2.70	19.5	48.8	68.5	75.4	54.7	34.9	16.2	2.88	14.8	32.2	50.5	70.0	64.0	46.4	21.2			
145	2.90	14.3	41.0	57.5	63.4	42.9	28.0	12.8	3.06	12.0	25.9	39.7	58.2	53.5	38.9	16.7			
150	3.11	11.2	33.6	47.2	52.1	32.9	22.1	10.8	3.23	10.6	20.5	30.5	47.2	43.8	31.9	13.0			
155	3.25	9.20	25.5	37.6	41.4	24.5	17.5	8.93	3.39	8.84	16.8	22.8	37.5	34.8	25.4	10.3			
160	3.41	7.96	16.9	27.6	31.1	17.5	13.1	7.81	3.54	7.49	13.6	16.5	28.6	26.4	18.2	8.41			
165	3.54	6.36	11.4	16.9	19.4	11.6	9.68	6.66	3.66	6.32	9.99	11.0	19.3	17.4	12.1	6.67			
170	3.65	4.93	8.11	10.2	8.03	7.77	7.44	5.23	3.75	5.27	7.21	7.91	7.99	10.2	8.18	5.38			
175	3.75	4.11	5.01	5.80	5.06	5.12	4.96	4.26	3.80	4.27	5.10	5.33	5.14	5.95	5.32	4.29			
180	3.79	3.82	3.77	3.77	3.75	3.76	3.77	3.82	3.80	3.83	3.80	3.77	3.76	3.77	3.77	3.84			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:JEFF

Test Date:08 June 2023

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