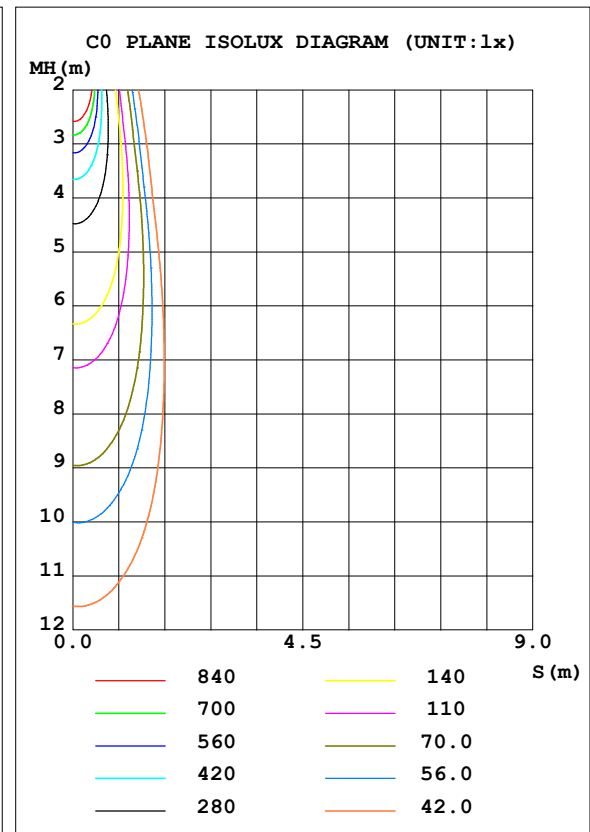
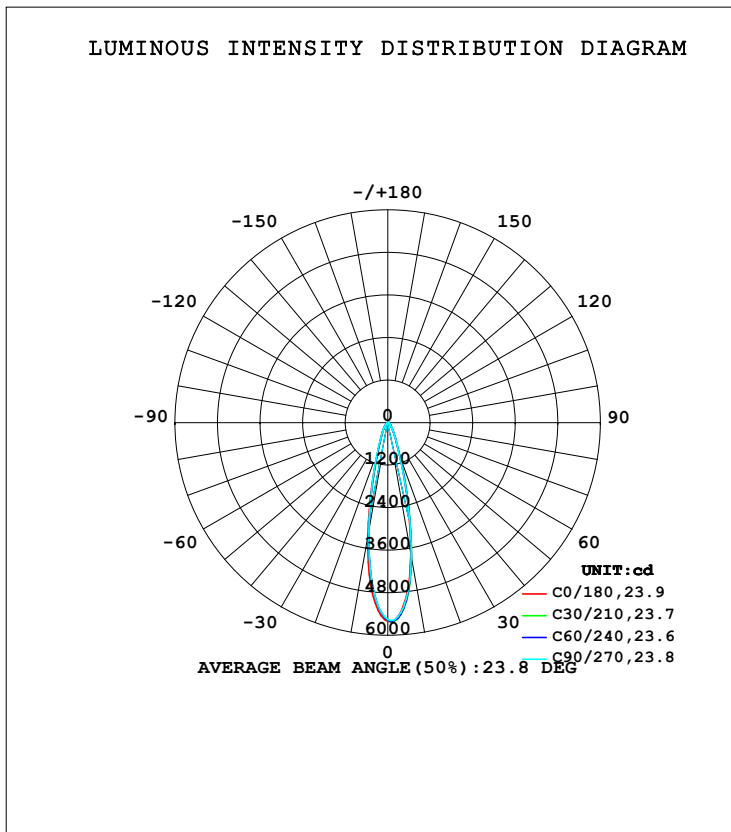


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm		
NAME: LED Track Light	TYPE:TORU 20W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.92 lm/W			
MODEL		I _{max} (cd)	5616	S/MH (C0/180)	0.39
NOMINAL POWER (W)	20	LOR (%)	100.0	S/MH (C90/270)	0.37
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	1436.9	η UP, DN (C0-180)	0.5, 52.2
NOMINAL FLUX (lm)	1436.93	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 46.7
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	230	η down (%)	98.9	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: .
 Test Date: 2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 11.227m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

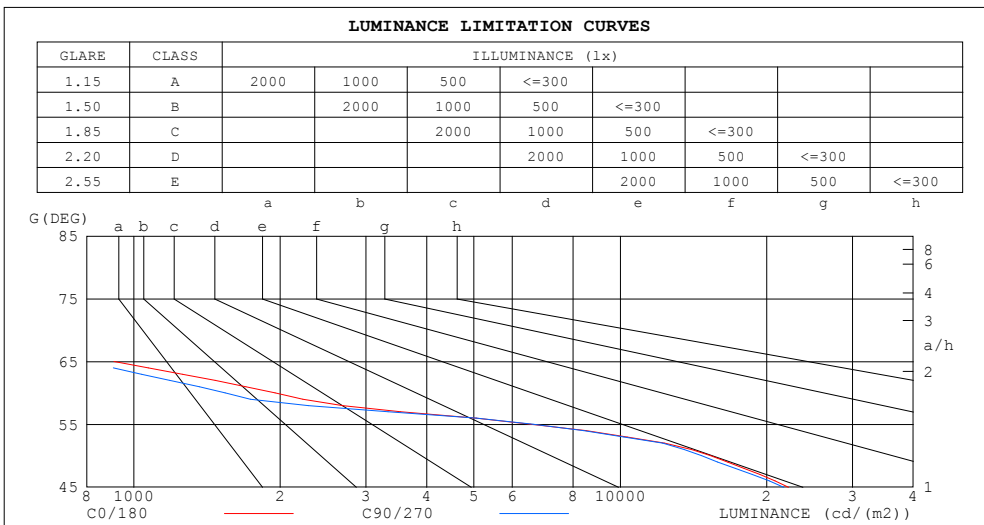
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3744	3867	3837	3476	3255	3071	3103	3509	0- 10	427.8	427.8	29.8,29.8
20	999.0	1005	964.7	842.8	776.1	765.0	826.0	971.5	10- 20	520.6	948.4	66,66
30	350.3	352.2	344.7	326.2	305.4	298.1	303.9	339.5	20- 30	244.2	1193	83,83
40	151.5	164.0	164.5	149.9	134.8	118.5	121.7	143.3	30- 40	141.1	1334	92.8,92.8
50	55.85	55.45	53.54	49.21	47.96	43.47	43.79	53.19	40- 50	66.35	1400	97.4,97.4
60	5.530	5.155	4.367	3.763	3.589	3.414	3.863	5.194	50- 60	18.55	1419	98.7,98.7
70	0.8060	0.8856	0.8571	0.6735	0.5865	0.5828	0.6332	0.7453	60- 70	2.032	1421	98.9,98.9
80	0.1267	0.1311	0.1174	0.1041	0.0994	0.0995	0.0996	0.1040	70- 80	0.3486	1421	98.9,98.9
90	0.0633	0.0677	0.0632	0.0589	0.0724	0.0722	0.0813	0.0723	80- 90	0.0961	1421	98.9,98.9
100	0.0992	0.0859	0.0815	0.1083	0.1446	0.1356	0.1534	0.1264	90-100	0.0940	1421	98.9,98.9
110	0.2345	0.2032	0.1990	0.2439	0.3617	0.3704	0.3611	0.3252	100-110	0.1952	1421	98.9,98.9
120	0.5414	0.5146	0.5152	0.5648	0.8049	0.8131	0.8034	0.7455	110-120	0.4422	1422	98.9,98.9
130	1.138	1.120	1.148	1.296	1.918	1.938	1.869	1.744	120-130	0.9069	1423	99,99
140	2.915	2.823	2.912	3.329	4.929	5.001	4.893	4.486	130-140	1.934	1425	99.1,99.1
150	6.826	6.685	6.680	7.345	9.229	9.266	8.951	8.746	140-150	3.649	1428	99.4,99.4
160	10.45	10.45	10.23	10.80	11.74	11.57	11.09	11.33	150-160	4.446	1433	99.7,99.7
170	11.16	11.22	11.27	11.10	11.64	11.01	10.73	10.84	160-170	3.195	1436	99.9,99.9
180	10.91	10.58	10.44	10.13	10.94	10.58	10.42	10.14	170-180	1.026	1437	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm		
NAME: LED Track Light	TYPE: TORU 20W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	183	164
80	129	119
75	222	252
70	416	442
65	911	798
60	1951	1540
55	6542	6612
50	15323	14689
45	22178	21688

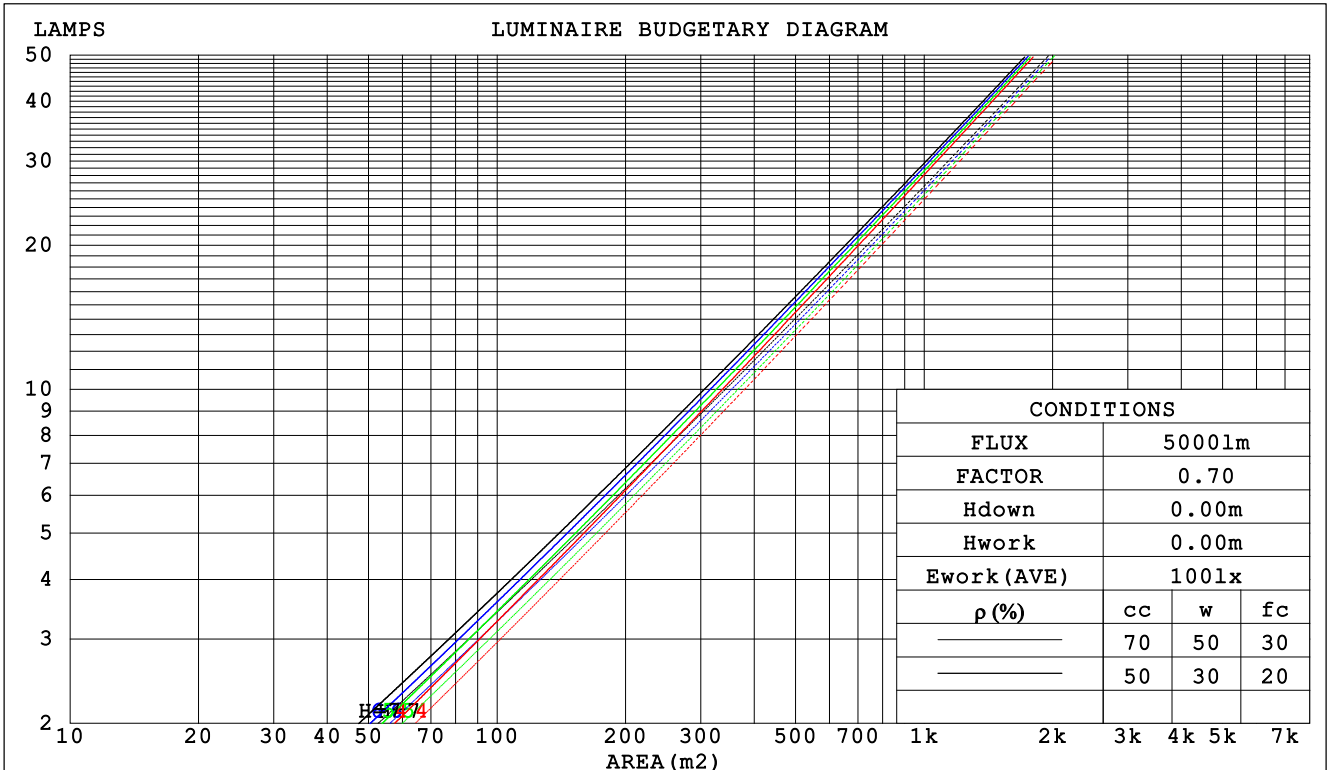
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm		
NAME: LED Track Light	TYPE: TORU 20W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.05	1.04	1.03	1.02	1.00	.99	.98	.97	.96	.94
2.0	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.97	.95	.94	.95	.93	.92	.90
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.90	.94	.91	.89	.91	.89	.87	.86
4.0	.95	.91	.87	.94	.90	.87	.92	.88	.86	.90	.87	.85	.88	.86	.84	.82
5.0	.91	.86	.83	.90	.86	.82	.88	.84	.82	.87	.83	.81	.85	.82	.80	.79
6.0	.87	.82	.79	.86	.82	.78	.85	.81	.78	.83	.80	.77	.82	.79	.77	.76
7.0	.84	.79	.75	.83	.78	.75	.82	.78	.75	.80	.77	.74	.79	.76	.74	.73
8.0	.80	.76	.72	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.70
9.0	.77	.73	.70	.77	.72	.69	.76	.72	.69	.75	.72	.69	.74	.71	.69	.68
10.0	.75	.70	.67	.74	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.65



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm		
NAME: LED Track Light	TYPE: TORU 20W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.152	.087	.027	.145	.083	.026	.132	.076	.024	.120	.069	.022	.109	.063	.020	
2.0	.143	.079	.024	.137	.076	.023	.127	.070	.022	.116	.065	.020	.107	.061	.019	
3.0	.135	.072	.022	.130	.070	.021	.121	.065	.020	.112	.061	.019	.104	.058	.018	
4.0	.127	.066	.019	.123	.064	.019	.115	.061	.018	.108	.058	.017	.101	.055	.017	
5.0	.120	.061	.018	.117	.060	.017	.110	.057	.017	.104	.055	.016	.098	.052	.016	
6.0	.114	.057	.016	.111	.056	.016	.105	.054	.016	.100	.052	.015	.094	.050	.015	
7.0	.109	.054	.015	.106	.053	.015	.101	.051	.015	.096	.049	.014	.091	.047	.014	
8.0	.104	.051	.014	.101	.050	.014	.096	.048	.014	.092	.047	.013	.088	.045	.013	
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.089	.044	.013	.085	.043	.012	
10.0	.095	.045	.013	.093	.045	.012	.089	.044	.012	.085	.042	.012	.082	.041	.012	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.178	.166	.155	.152	.142	.134	.104	.098	.092	.060	.057	.054	.019	.018	.017	
2.0	.161	.141	.125	.138	.122	.108	.094	.084	.075	.054	.049	.044	.017	.016	.014	
3.0	.147	.122	.102	.126	.105	.088	.087	.073	.062	.050	.043	.037	.016	.014	.012	
4.0	.135	.107	.085	.116	.092	.074	.080	.064	.052	.046	.038	.031	.015	.012	.010	
5.0	.126	.095	.072	.108	.082	.063	.074	.057	.044	.043	.034	.026	.014	.011	.009	
6.0	.117	.085	.062	.101	.074	.054	.070	.052	.038	.040	.030	.023	.013	.010	.008	
7.0	.110	.077	.054	.095	.067	.047	.065	.047	.033	.038	.028	.020	.012	.009	.007	
8.0	.104	.071	.048	.089	.061	.042	.062	.043	.030	.036	.025	.018	.012	.008	.006	
9.0	.098	.065	.043	.085	.057	.037	.059	.040	.027	.034	.023	.016	.011	.008	.005	
10.0	.093	.061	.039	.081	.053	.034	.056	.037	.024	.033	.022	.014	.011	.007	.005	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm										
NAME: LED Track Light					TYPE: TORU 20W			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					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	15.2	16.0	15.4	16.1	16.3	15.2	15.9	15.4	16.1	16.3
3H	15.0	15.7	15.3	15.9	16.2	15.0	15.7	15.3	15.9	16.1
4H	15.0	15.6	15.2	15.8	16.1	14.9	15.6	15.2	15.8	16.0
6H	14.9	15.5	15.2	15.7	16.0	14.8	15.4	15.1	15.7	16.0
8H	14.8	15.4	15.1	15.7	16.0	14.8	15.4	15.1	15.6	15.9
12H	14.8	15.4	15.1	15.6	15.9	14.7	15.3	15.1	15.6	15.9
4H 2H	15.0	15.6	15.3	15.9	16.1	14.9	15.6	15.2	15.8	16.1
3H	14.8	15.4	15.1	15.7	16.0	14.8	15.3	15.1	15.6	15.9
4H	14.7	15.2	15.1	15.6	15.9	14.7	15.2	15.0	15.5	15.8
6H	14.6	15.1	15.0	15.4	15.8	14.6	15.0	15.0	15.4	15.7
8H	14.6	15.0	15.0	15.4	15.7	14.5	14.9	14.9	15.3	15.7
12H	14.5	14.9	14.9	15.3	15.7	14.5	14.9	14.9	15.2	15.6
8H 4H	14.6	15.0	15.0	15.4	15.7	14.5	14.9	14.9	15.3	15.7
6H	14.4	14.8	14.9	15.2	15.6	14.4	14.8	14.8	15.2	15.6
8H	14.4	14.7	14.8	15.1	15.6	14.3	14.7	14.8	15.1	15.6
12H	14.3	14.6	14.8	15.1	15.5	14.3	14.5	14.8	15.0	15.5
12H 4H	14.5	14.9	14.9	15.3	15.7	14.5	14.9	14.9	15.2	15.6
6H	14.4	14.7	14.8	15.1	15.6	14.3	14.7	14.8	15.1	15.6
8H	14.3	14.6	14.8	15.1	15.5	14.3	14.5	14.8	15.0	15.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / -11.1					+ 2.8 / -11.8				
1.5H	+ 3.5 / - 6.4					+ 3.5 / - 6.6				
2.0H	+ 5.0 / -12.7					+ 5.0 / -13.1				

CIE Pub.117, 1437 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.3)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm		
NAME: LED Track Light	TYPE: TORU 20W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

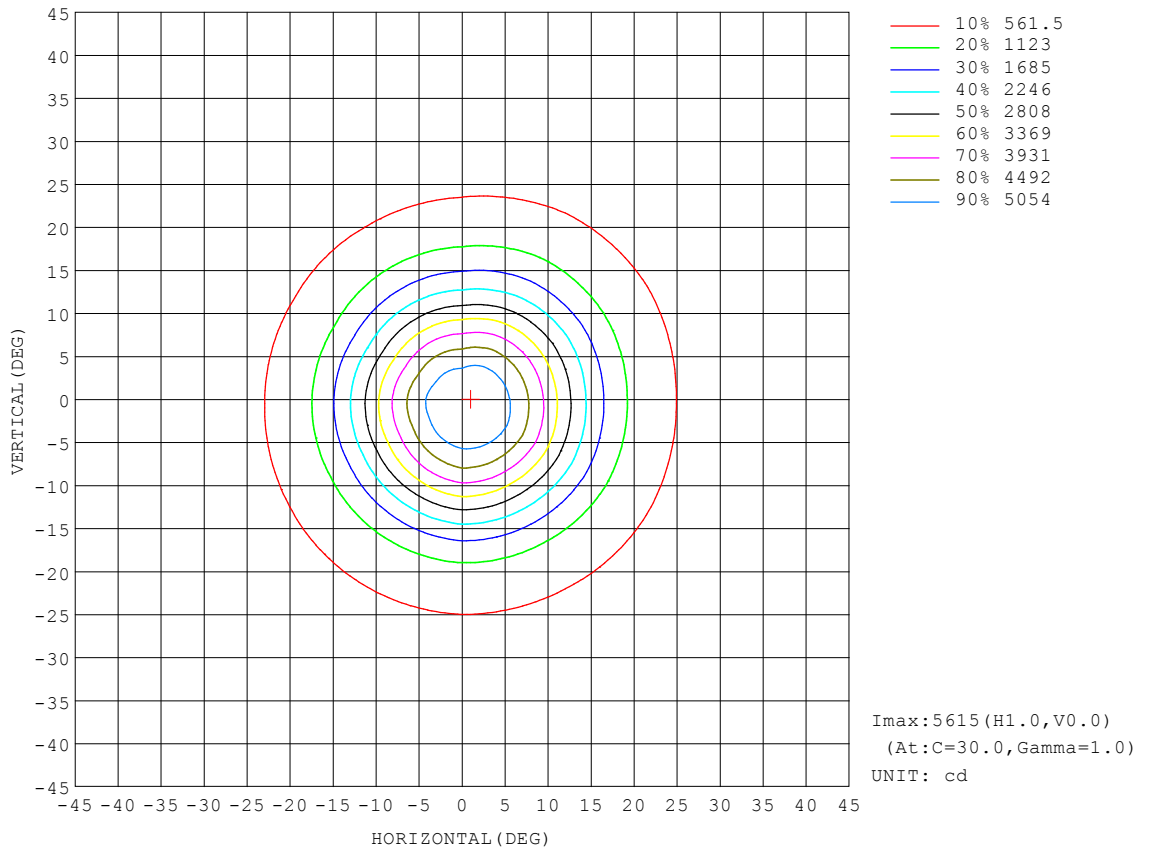
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	81	77	86	80	77	86	80	77	73
0.80	95	89	85	94	88	85	92	88	84	81
1.00	99	93	90	98	93	90	96	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	106	110	107	104	106	104	102	95
4.00	114	111	109	111	109	107	108	106	104	97
5.00	115	113	111	113	111	109	108	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm		
NAME: LED Track Light	TYPE: TORU 20W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

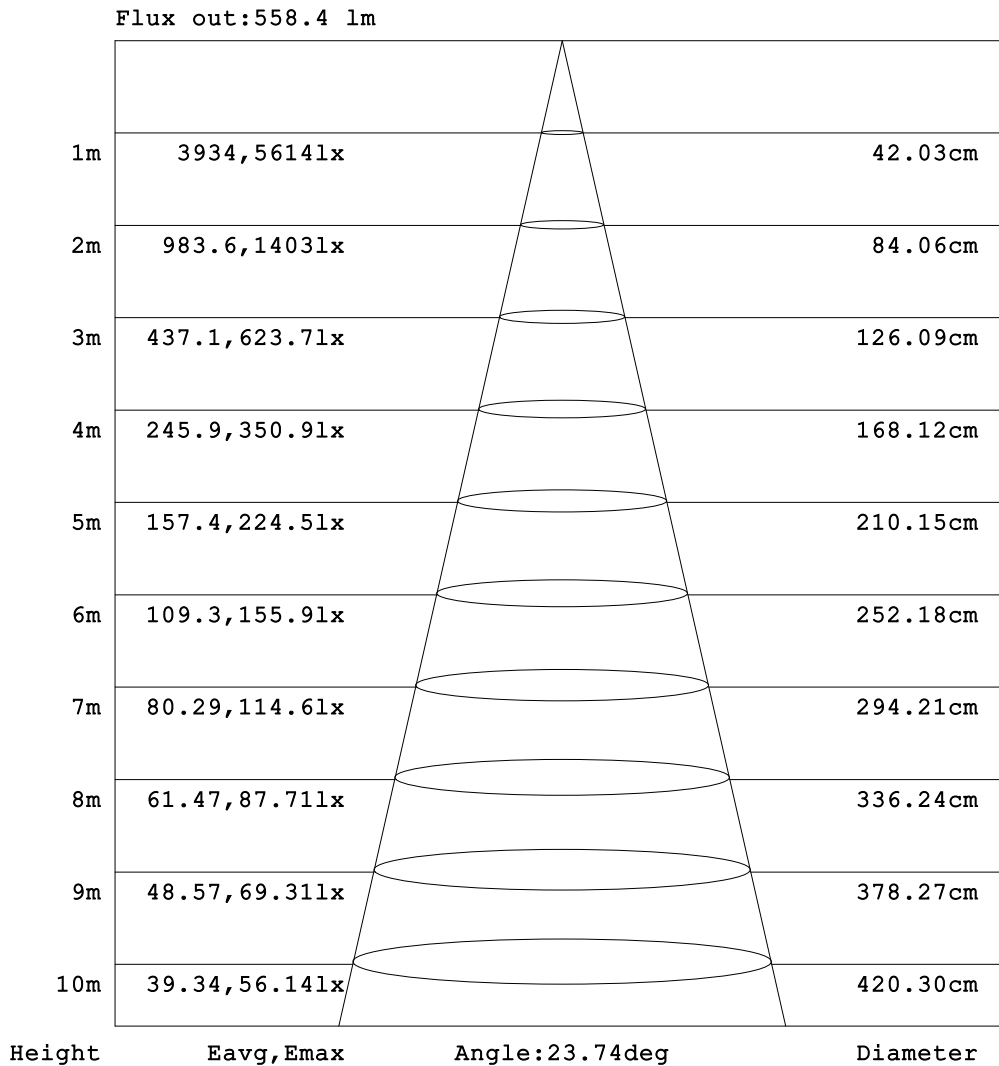


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm		
NAME: LED Track Light	TYPE: TORU 20W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



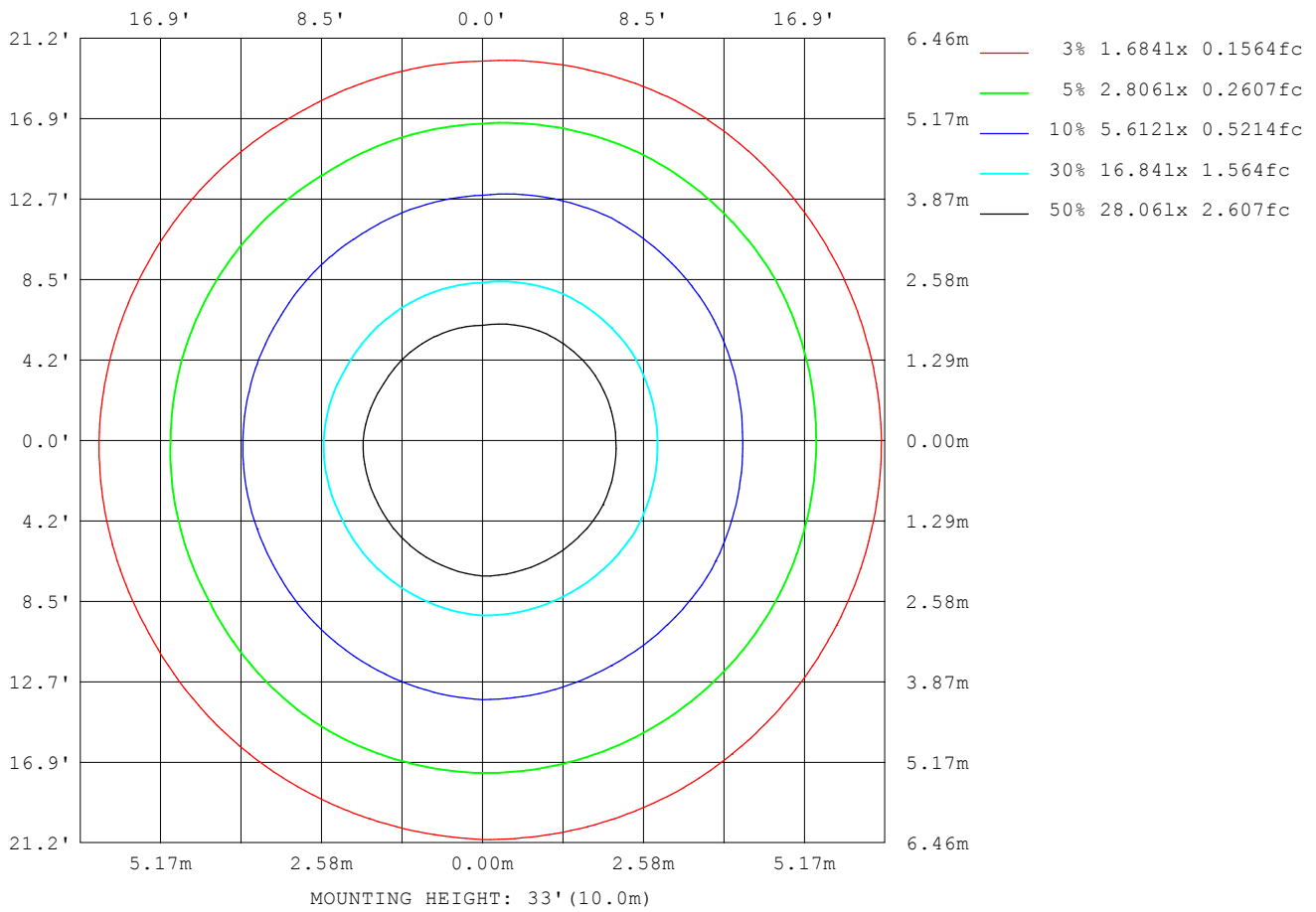
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm		
NAME: LED Track Light	TYPE: TORU 20W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm		
NAME: LED Track Light	TYPE: TORU 20W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

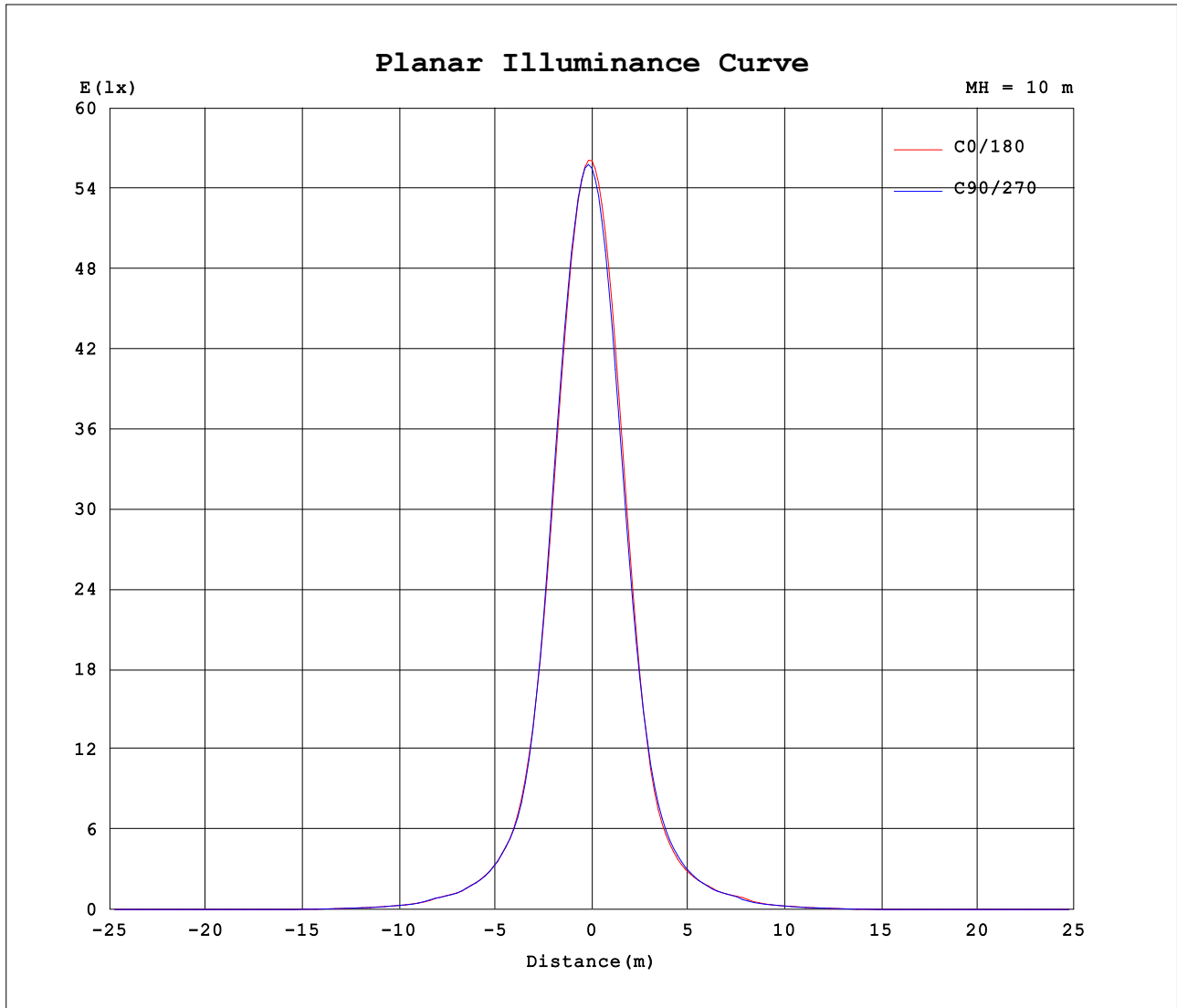
AvgL	cd/m2
L_0~180 (65) av	770
L_0~180 (75) av	200
L_0~180 (85) av	174
L_90~270 (65) av	733
L_90~270 (75) av	209
L_90~270 (85) av	192
L_45 (65) av	770
L_45 (75) av	198
L_45 (85) av	183

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: .
 Test Date: 2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 11.227m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.0V I:0.1652A P:18.93W PF:0.4982 Freq:50.00Hz Lamp Flux:1436.93x1 lm		
NAME: LED Track Light	TYPE: TORU 20W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	5609	5585	5581	5552	5596	5571	5609	5585	5581	5552	5596	5571							
5	5169	5264	5248	5201	5065	4920	4884	4739	4738	4732	4943	5061							
10	3744	3889	3845	3837	3594	3358	3255	3070	3071	3103	3408	3610							
15	2067	2161	2104	2093	1882	1716	1657	1554	1596	1653	1876	2021							
20	999	1024	987	965	880	806	776	755	775	826	945	998							
25	557	570	558	562	523	475	451	444	444	480	538	564							
30	350	352	352	345	338	314	305	303	294	304	333	346							
35	228	233	230	227	219	213	213	210	207	213	230	230							
40	151	164	164	164	157	143	135	120	117	122	139	147							
45	88.9	90.7	88.4	87.0	83.4	81.0	79.8	71.3	73.4	76.3	87.0	88.9							
50	55.8	56.7	54.2	53.5	49.9	48.5	48.0	43.0	43.9	43.8	51.3	55.1							
55	21.3	23.1	21.7	21.5	18.3	15.9	14.7	11.3	11.3	11.7	16.9	20.4							
60	5.53	5.44	4.87	4.37	3.83	3.70	3.59	3.35	3.48	3.86	4.91	5.48							
65	2.18	2.38	2.18	1.91	1.71	1.52	1.51	1.38	1.43	1.60	1.97	2.14							
70	0.81	0.88	0.89	0.86	0.73	0.61	0.59	0.57	0.60	0.63	0.69	0.80							
75	0.33	0.32	0.36	0.37	0.32	0.26	0.26	0.25	0.25	0.24	0.25	0.32							
80	0.13	0.13	0.14	0.12	0.12	0.09	0.10	0.10	0.10	0.10	0.10	0.11							
85	0.09	0.08	0.09	0.08	0.10	0.09	0.08	0.10	0.09	0.11	0.08	0.09							
90	0.06	0.05	0.08	0.06	0.06	0.05	0.07	0.07	0.07	0.08	0.07	0.07							
95	0.08	0.06	0.07	0.05	0.06	0.07	0.10	0.11	0.09	0.11	0.11	0.09							
100	0.10	0.08	0.09	0.08	0.11	0.11	0.14	0.14	0.14	0.15	0.13	0.13							
105	0.14	0.12	0.13	0.14	0.14	0.15	0.23	0.24	0.23	0.24	0.21	0.21							
110	0.23	0.20	0.21	0.20	0.24	0.24	0.36	0.39	0.35	0.36	0.33	0.32							
115	0.33	0.33	0.31	0.33	0.37	0.38	0.52	0.56	0.54	0.55	0.52	0.51							
120	0.54	0.52	0.51	0.52	0.56	0.57	0.80	0.82	0.80	0.80	0.77	0.72							
125	0.77	0.73	0.74	0.76	0.82	0.87	1.21	1.25	1.22	1.19	1.15	1.11							
130	1.14	1.11	1.13	1.15	1.26	1.33	1.92	1.97	1.91	1.87	1.78	1.71							
135	1.78	1.72	1.74	1.80	1.97	2.10	3.10	3.20	3.10	3.07	2.86	2.71							
140	2.91	2.79	2.85	2.91	3.23	3.43	4.93	5.05	4.96	4.89	4.60	4.37							
145	4.73	4.50	4.56	4.62	5.04	5.28	7.12	7.25	7.13	7.01	6.73	6.47							
150	6.83	6.65	6.72	6.68	7.21	7.48	9.23	9.34	9.19	8.95	8.84	8.65							
155	8.91	8.82	8.81	8.68	9.22	9.53	10.8	10.9	10.7	10.4	10.5	10.4							
160	10.5	10.5	10.4	10.2	10.6	11.0	11.7	11.7	11.5	11.1	11.3	11.3							
165	11.2	11.3	11.2	11.1	11.3	11.6	11.9	11.7	11.4	11.2	11.4	11.5							
170	11.2	11.2	11.2	11.3	11.2	11.0	11.6	11.2	10.9	10.7	10.7	11.0							
175	10.8	10.9	10.7	10.9	10.5	10.4	11.1	10.6	10.2	10.2	10.0	10.2							
180	10.9	10.8	10.4	10.4	10.1	10.1	10.9	10.7	10.4	10.4	10.2	10.1							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:11.227m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	5609	5585	5581	5552	5596	5571	5609	5585	5581	5552
3.0	5482	5532	5522	5490	5430	5324	5305	5195	5198	5182
6.0	4957	5065	5047	5003	4843	4661	4609	4448	4446	4446
9.0	4092	4229	4195	4169	3945	3699	3625	3434	3432	3458
12.0	3030	3153	3117	3111	2865	2641	2554	2389	2404	2450
15.0	2067	2161	2104	2093	1882	1716	1657	1554	1596	1653
18.0	1344	1385	1337	1308	1185	1066	1029	978.3	1020	1078
21.0	872.0	896.0	862.6	846.0	776.3	717.5	690.2	672.0	687.1	733.1
24.0	615.5	634.3	615.0	622.4	575.3	530.7	497.0	486.4	490.3	532.0
27.0	455.4	459.6	458.3	454.0	433.5	394.1	378.5	375.5	372.4	393.3
30.0	350.3	352.3	352.0	344.7	338.4	314.0	305.4	302.6	293.7	303.9
33.0	271.9	272.8	277.7	274.2	253.0	242.2	240.9	233.2	231.2	237.5
36.0	215.8	218.6	214.9	213.1	207.0	205.0	203.2	197.9	197.0	201.8
39.0	178.9	184.2	182.2	183.6	177.9	171.1	161.1	139.7	132.7	136.6
42.0	118.3	123.6	120.9	120.1	113.1	108.7	104.0	95.46	95.84	100.0
45.0	88.92	90.66	88.39	86.95	83.37	80.99	79.84	71.35	73.39	76.34
48.0	68.16	69.01	66.73	65.43	62.24	60.07	58.41	52.89	55.38	55.24
51.0	50.00	50.56	48.59	48.26	44.19	43.37	42.10	35.92	35.79	36.38
54.0	28.38	30.61	28.97	28.02	25.15	21.93	20.78	16.87	16.72	16.82
57.0	10.91	12.03	10.72	10.28	7.818	6.618	6.245	5.509	5.700	6.422
60.0	5.530	5.441	4.868	4.367	3.828	3.699	3.589	3.348	3.481	3.863
63.0	3.243	3.365	3.051	2.670	2.372	2.174	2.155	1.982	2.047	2.281
66.0	1.793	1.967	1.820	1.615	1.449	1.264	1.254	1.149	1.217	1.330
69.0	0.9872	1.109	1.068	1.002	0.8693	0.7398	0.7123	0.6787	0.7213	0.7332
72.0	0.5526	0.5863	0.6337	0.5957	0.5343	0.4242	0.4241	0.4075	0.4152	0.4345
75.0	0.3259	0.3159	0.3624	0.3698	0.3170	0.2617	0.2616	0.2533	0.2524	0.2444
78.0	0.1632	0.1624	0.2082	0.1984	0.1722	0.1353	0.1353	0.1358	0.1263	0.1357
81.0	0.1175	0.1173	0.1176	0.1083	0.1085	0.0903	0.0994	0.0994	0.0992	0.0994
84.0	0.0905	0.0813	0.0905	0.0813	0.0903	0.0814	0.0902	0.1082	0.0903	0.0994
87.0	0.0993	0.0723	0.0902	0.0722	0.0813	0.0632	0.0903	0.0903	0.0812	0.0994
90.0	0.0633	0.0542	0.0812	0.0632	0.0634	0.0543	0.0724	0.0722	0.0723	0.0813
93.0	0.0632	0.0632	0.0722	0.0632	0.0723	0.0633	0.0815	0.0992	0.0723	0.1082
96.0	0.0724	0.0633	0.0812	0.0634	0.0722	0.0724	0.0906	0.1174	0.0906	0.1084
99.0	0.0813	0.0903	0.0902	0.0813	0.0993	0.0905	0.1267	0.1353	0.1176	0.1265
102.0	0.1083	0.1085	0.1083	0.0994	0.1174	0.1175	0.1808	0.1715	0.1717	0.1715
105.0	0.1354	0.1176	0.1265	0.1356	0.1355	0.1537	0.2262	0.2438	0.2262	0.2437
108.0	0.1804	0.1627	0.1536	0.1539	0.1805	0.2169	0.2896	0.2890	0.2896	0.2799
111.0	0.2528	0.2350	0.2257	0.2350	0.2529	0.2711	0.3887	0.3975	0.3888	0.3972
114.0	0.3069	0.2985	0.2799	0.2895	0.3072	0.3436	0.4972	0.5235	0.4974	0.5233
117.0	0.4151	0.3978	0.3792	0.3978	0.4065	0.4432	0.6331	0.6500	0.6331	0.6052
120.0	0.5414	0.5151	0.5141	0.5152	0.5599	0.5697	0.8049	0.8215	0.8047	0.8034
123.0	0.6679	0.6418	0.6229	0.6420	0.6864	0.7234	1.013	1.038	1.022	1.011
126.0	0.8395	0.8047	0.8213	0.8318	0.8847	0.9403	1.330	1.345	1.320	1.300
129.0	1.074	1.022	1.029	1.040	1.164	1.212	1.737	1.769	1.737	1.724
132.0	1.363	1.311	1.327	1.365	1.516	1.582	2.351	2.374	2.351	2.302
135.0	1.778	1.718	1.742	1.799	1.968	2.098	3.103	3.196	3.103	3.069
138.0	2.374	2.297	2.320	2.388	2.636	2.812	4.134	4.262	4.152	4.099
141.0	3.231	3.102	3.123	3.202	3.547	3.753	5.354	5.489	5.381	5.291
144.0	4.296	4.132	4.179	4.231	4.630	4.891	6.681	6.799	6.690	6.601
147.0	5.507	5.325	5.389	5.415	5.877	6.157	7.983	8.119	7.991	7.830
150.0	6.826	6.654	6.717	6.680	7.205	7.485	9.229	9.339	9.192	8.951
153.0	8.108	8.000	8.009	7.918	8.451	8.768	10.28	10.36	10.19	9.881
156.0	9.266	9.209	9.211	9.028	9.546	9.869	11.09	11.10	10.91	10.56
159.0	10.21	10.21	10.14	9.968	10.41	10.73	11.62	11.58	11.38	10.99
162.0	10.84	10.93	10.82	10.67	10.99	11.24	11.90	11.83	11.55	11.21
165.0	11.19	11.30	11.18	11.11	11.27	11.63	11.94	11.72	11.45	11.20
168.0	11.24	11.37	11.26	11.30	11.32	11.25	11.83	11.43	11.16	10.99
171.0	11.09	11.20	11.10	11.24	11.08	10.91	11.54	11.02	10.70	10.59
174.0	10.86	10.97	10.81	10.98	10.69	10.48	11.24	10.64	10.35	10.25
177.0	10.77	10.81	10.53	10.63	10.36	10.18	11.02	10.55	10.22	10.14
180.0	10.91	10.75	10.42	10.44	10.15	10.11	10.94	10.73	10.43	10.42
G/C	300.0	330.0								
0.0	5596	5571								
3.0	5338	5402								
6.0	4692	4833								
9.0	3761	3947								
12.0	2731	2924								
15.0	1876	2021								
18.0	1247	1336								
21.0	836.0	872.4								
24.0	598.1	623.0								
27.0	432.7	461.4								
30.0	332.6	346.4								

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: .
 Test Date: 2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 11.227m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	258.5	261.9
36.0	215.3	217.7
39.0	159.0	169.3
42.0	113.0	116.4
45.0	87.00	88.92
48.0	63.90	67.17
51.0	44.01	48.09
54.0	21.99	25.94
57.0	8.750	10.22
60.0	4.906	5.482
63.0	2.885	3.169
66.0	1.614	1.765
69.0	0.8654	0.9686
72.0	0.4330	0.5522
75.0	0.2524	0.3168
78.0	0.1263	0.1631
81.0	0.0994	0.1084
84.0	0.0902	0.1083
87.0	0.0812	0.0724
90.0	0.0723	0.0723
93.0	0.0814	0.0814
96.0	0.1084	0.0993
99.0	0.1175	0.1086
102.0	0.1627	0.1534
105.0	0.2083	0.2077
108.0	0.2714	0.2709
111.0	0.3618	0.3431
114.0	0.4794	0.4425
117.0	0.6060	0.5780
120.0	0.7686	0.7225
123.0	0.9766	0.9299
126.0	1.248	1.174
129.0	1.610	1.553
132.0	2.135	2.013
135.0	2.858	2.708
138.0	3.844	3.648
141.0	4.992	4.767
144.0	6.266	6.040
147.0	7.585	7.360
150.0	8.841	8.652
153.0	10.05	9.972
156.0	10.75	10.61
159.0	11.23	11.19
162.0	11.44	11.51
165.0	11.37	11.47
168.0	11.06	11.20
171.0	10.57	10.77
174.0	10.10	10.30
177.0	9.948	10.03
180.0	10.17	10.11

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:.
 Test Date:2024-08-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
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 Remarks: