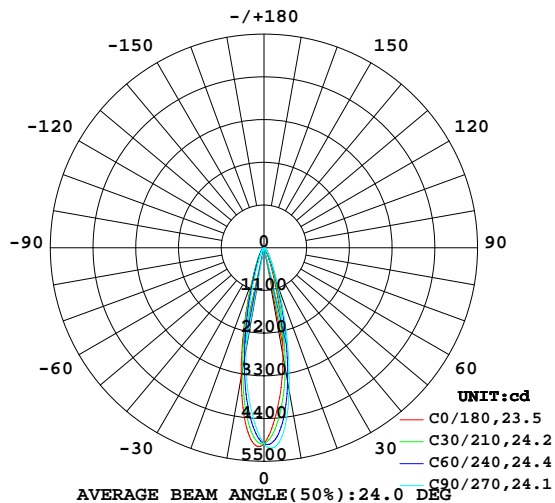


LUMINAIRE PHOTOMETRIC TEST REPORT

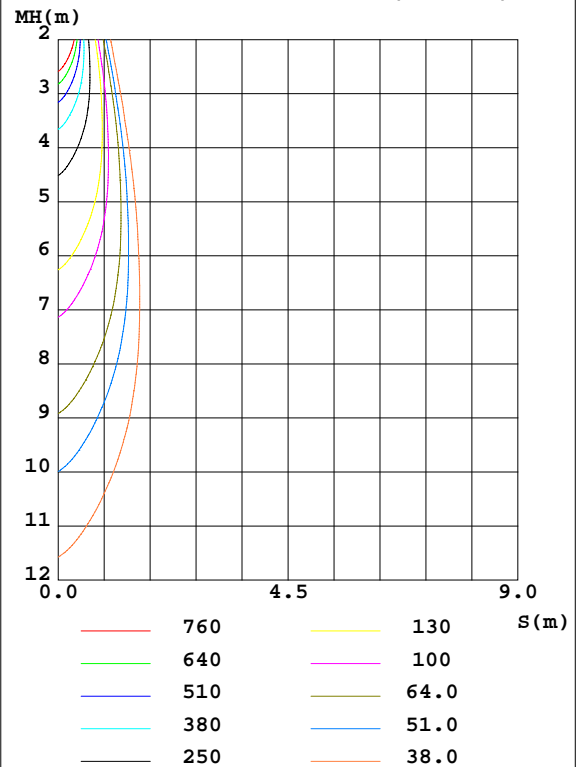
NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.59 lm/W			
MODEL	CLU028-1204C4	Imax(cd)	5273	S/MH(C0/180)	0.43
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.36
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1278.5	η UP,DN(C0-180)	0.8,55.5
NOMINAL FLUX(lm)	1278.54	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,43.1
LAMPS INSIDE	1	η up(%)	1.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	98.6	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

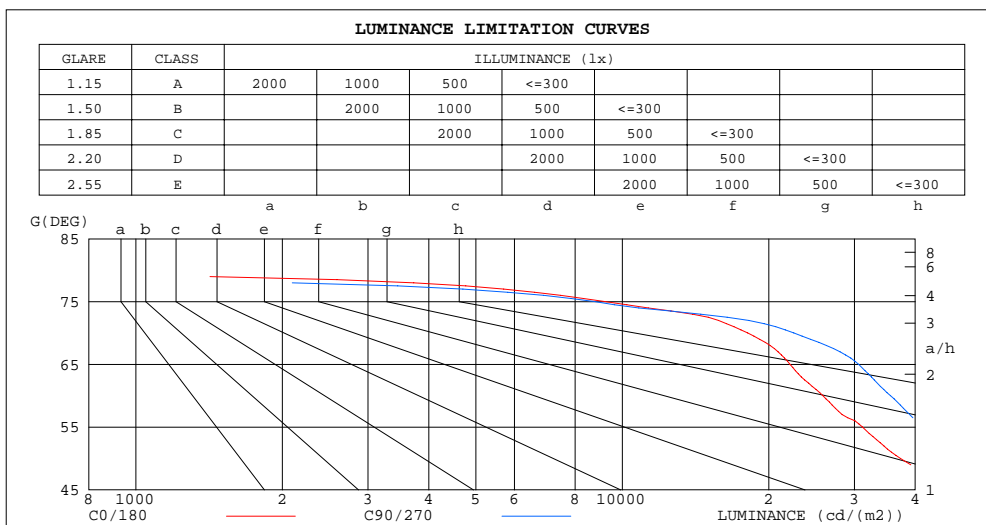
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2818	3380	3736	3823	3376	2996	2690	2506	0- 10	385.5	385.5	30.2,30.2
20	609.6	886.9	1060	1024	874.9	751.9	561.9	509.7	10- 20	476.5	862.1	67.4,67.4
30	161.0	246.3	322.7	319.6	277.9	240.0	161.0	140.4	20- 30	192.5	1055	82.5,82.5
40	72.73	100.7	124.6	125.9	110.3	99.19	74.80	66.97	30- 40	94.38	1149	89.9,89.9
50	42.97	52.31	59.27	61.21	55.21	51.57	42.75	39.99	40- 50	54.07	1203	94.1,94.1
60	23.15	28.56	32.15	32.55	29.17	26.07	22.60	21.36	50- 60	33.62	1237	96.7,96.7
70	11.09	13.43	13.92	13.45	11.14	9.989	9.709	9.648	60- 70	19.06	1256	98.2,98.2
80	0.0022	0	0	0	0	0	0	0	70- 80	4.371	1260	98.6,98.6
90	0	0	0	0	0	0	0	0	80- 90	0.0000	1260	98.6,98.6
100	0	0	0	0	0	0	0	0	90-100	0	1260	98.6,98.6
110	0	0	0	0	0	0	0	0	100-110	0	1260	98.6,98.6
120	0	0	0	0	0	0	0	0	110-120	0	1260	98.6,98.6
130	1.752	1.033	0.4144	0.0030	0	0	0.4416	0.4526	120-130	0.0482	1260	98.6,98.6
140	7.768	6.648	5.830	5.344	3.709	4.918	5.771	6.074	130-140	2.134	1262	98.7,98.7
150	12.96	12.17	11.75	11.57	10.18	11.06	11.77	12.15	140-150	5.507	1268	99.2,99.2
160	14.09	13.76	14.22	14.20	13.72	13.63	13.94	13.80	150-160	6.104	1274	99.6,99.6
170	10.35	10.94	11.74	12.10	11.61	11.16	10.78	10.22	160-170	3.685	1278	99.9,99.9
180	8.687	9.139	8.872	9.004	8.701	9.137	8.878	8.998	170-180	0.9543	1279	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	7	0
75	9207	8770
70	18094	22522
65	22110	30592
60	25839	35585
55	31155	42176
50	37306	51024
45	44055	65817

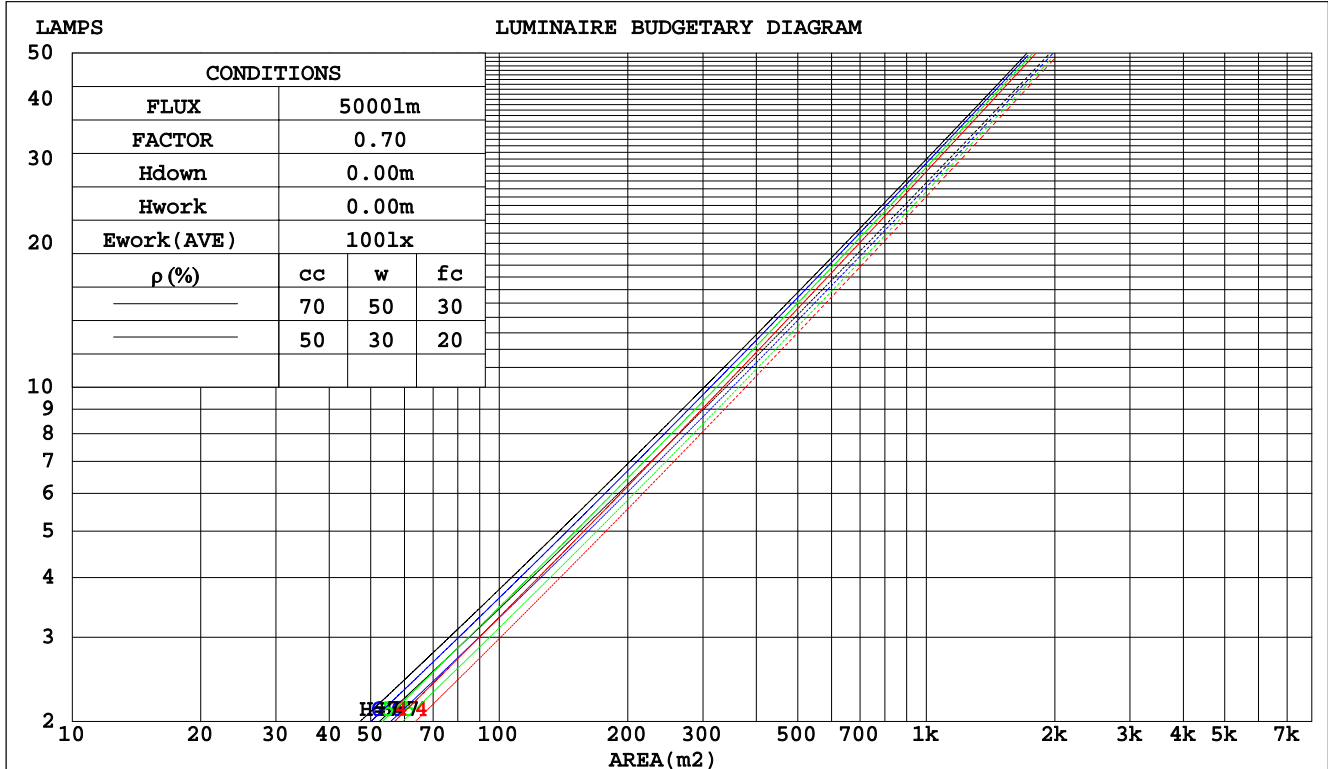
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.97	.96	.96	.94
2.0	1.05	1.02	.99	1.03	1.00	.97	.00	.97	.95	.97	.95	.93	.94	.92	.91	.89
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.93	.90	.88	.90	.88	.86	.85
4.0	.94	.90	.86	.93	.89	.86	.91	.87	.85	.89	.86	.83	.87	.84	.82	.81
5.0	.90	.85	.82	.89	.85	.81	.87	.83	.80	.86	.82	.80	.84	.81	.79	.78
6.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.83	.79	.76	.81	.78	.76	.75
7.0	.83	.78	.75	.82	.78	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.72
8.0	.80	.75	.72	.79	.75	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.69
9.0	.77	.72	.69	.76	.72	.69	.76	.71	.69	.75	.71	.68	.74	.70	.68	.67
10.0	.74	.70	.67	.74	.70	.67	.73	.69	.66	.72	.69	.66	.72	.68	.66	.65



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	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	.158	.090	.028	.151	.086	.027	.137	.079	.025	.125	.072	.023	.114	.066	.021		
2.0	.149	.081	.025	.143	.079	.024	.131	.073	.023	.121	.068	.021	.112	.063	.020		
3.0	.139	.074	.022	.134	.072	.022	.125	.068	.021	.116	.064	.020	.108	.060	.019		
4.0	.131	.068	.020	.127	.066	.020	.118	.063	.019	.111	.060	.018	.104	.056	.017		
5.0	.123	.063	.018	.120	.061	.018	.112	.059	.017	.106	.056	.017	.100	.053	.016		
6.0	.116	.058	.017	.113	.057	.016	.107	.055	.016	.101	.053	.015	.096	.050	.015		
7.0	.110	.055	.015	.107	.054	.015	.102	.052	.015	.097	.050	.014	.092	.048	.014		
8.0	.105	.051	.014	.102	.050	.014	.097	.049	.014	.093	.047	.014	.089	.045	.013		
9.0	.100	.048	.013	.097	.047	.013	.093	.046	.013	.089	.045	.013	.085	.043	.013		
10.0	.095	.046	.013	.093	.045	.013	.089	.044	.012	.086	.043	.012	.082	.041	.012		

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	.201	.201	.201	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.181	.169	.157	.155	.145	.136	.106	.100	.094	.061	.058	.055	.020	.019	.018	
2.0	.164	.144	.126	.141	.124	.109	.096	.086	.076	.056	.050	.045	.018	.016	.015	
3.0	.151	.125	.104	.129	.108	.090	.089	.075	.063	.051	.044	.037	.016	.014	.012	
4.0	.139	.110	.087	.119	.095	.076	.082	.066	.053	.047	.039	.032	.015	.013	.010	
5.0	.129	.098	.074	.111	.084	.065	.076	.059	.046	.044	.035	.027	.014	.011	.009	
6.0	.121	.088	.064	.104	.076	.056	.072	.053	.040	.042	.031	.024	.013	.010	.008	
7.0	.113	.080	.057	.097	.069	.049	.067	.049	.035	.039	.029	.021	.013	.009	.007	
8.0	.107	.073	.050	.092	.064	.044	.064	.045	.031	.037	.026	.019	.012	.009	.006	
9.0	.101	.068	.045	.087	.059	.040	.060	.041	.028	.035	.024	.017	.011	.008	.006	
10.0	.096	.063	.041	.083	.055	.036	.058	.039	.026	.034	.023	.015	.011	.008	.005	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: EN-TLO015-21 WHITE					TYPE:LED TRACK LIGHT					WEIGHT:				
SPEC.:CRI80 3000K 24D					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					19.4	20.2	19.7	20.4	20.5	21.3	22.1	21.5	22.3	22.4
3H					20.0	20.7	20.3	20.9	21.1	21.8	22.5	22.1	22.8	23.0
4H					20.1	20.8	20.4	21.0	21.2	21.8	22.5	22.1	22.8	23.0
6H					20.0	20.6	20.3	20.9	21.2	21.8	22.4	22.1	22.7	22.9
8H					20.0	20.6	20.3	20.8	21.1	21.7	22.3	22.0	22.6	22.9
12H					19.9	20.5	20.2	20.8	21.1	21.7	22.3	22.0	22.5	22.8
4H 2H					19.8	20.5	20.1	20.7	21.0	21.5	22.1	21.7	22.4	22.6
3H					20.5	21.1	20.9	21.4	21.7	22.1	22.7	22.4	22.9	23.2
4H					20.6	21.1	21.0	21.5	21.8	22.1	22.6	22.5	23.0	23.3
6H					20.5	21.0	20.9	21.4	21.7	22.0	22.5	22.4	22.8	23.2
8H					20.5	20.9	20.9	21.3	21.7	21.9	22.4	22.4	22.8	23.2
12H					20.4	20.8	20.8	21.2	21.6	21.9	22.3	22.3	22.7	23.1
8H 4H					20.6	21.0	21.0	21.4	21.8	22.0	22.4	22.4	22.8	23.2
6H					20.5	20.8	20.9	21.3	21.7	21.9	22.3	22.4	22.7	23.1
8H					20.4	20.7	20.9	21.2	21.6	21.8	22.2	22.3	22.6	23.1
12H					20.3	20.6	20.8	21.1	21.6	21.8	22.1	22.3	22.5	23.0
12H 4H					20.5	20.9	20.9	21.3	21.7	21.9	22.4	22.4	22.8	23.2
6H					20.4	20.7	20.9	21.2	21.6	21.8	22.2	22.3	22.6	23.1
8H					20.3	20.6	20.8	21.1	21.6	21.8	22.1	22.3	22.5	23.0
Variations with the observer position at spacings:														
S = 1.0H					+ 0.8 / - 1.1					+ 1.1 / - 1.4				
1.5H					+ 0.6 / - 0.9					+ 1.8 / - 1.0				
2.0H					+ 1.2 / - 1.4					+ 2.0 / - 1.3				

CIE Pub.117, 1279 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.9$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

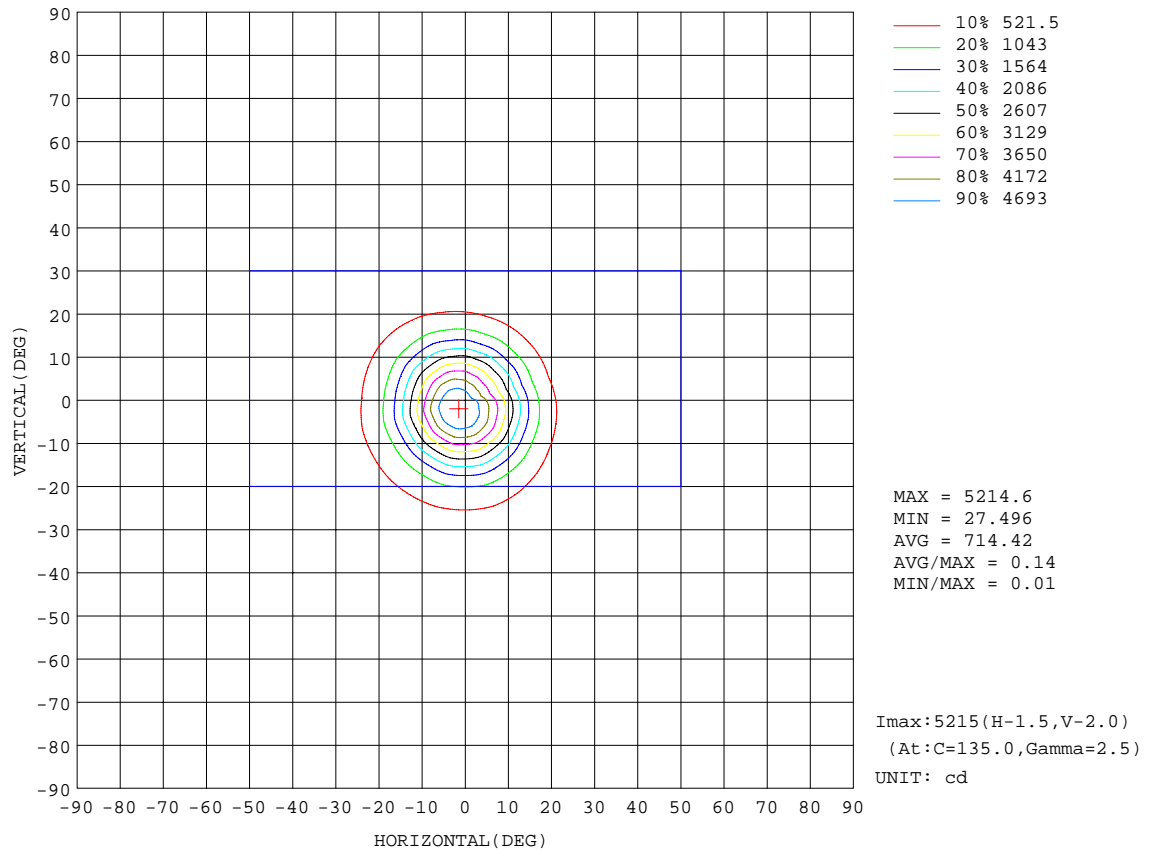
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	85	79	75	85	78	75	84	78	74	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	97	92	88	97	91	87	95	91	87	83
1.25	102	96	92	100	96	92	98	94	91	87
1.50	104	99	96	103	99	95	101	97	94	89
2.00	107	103	100	106	102	99	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

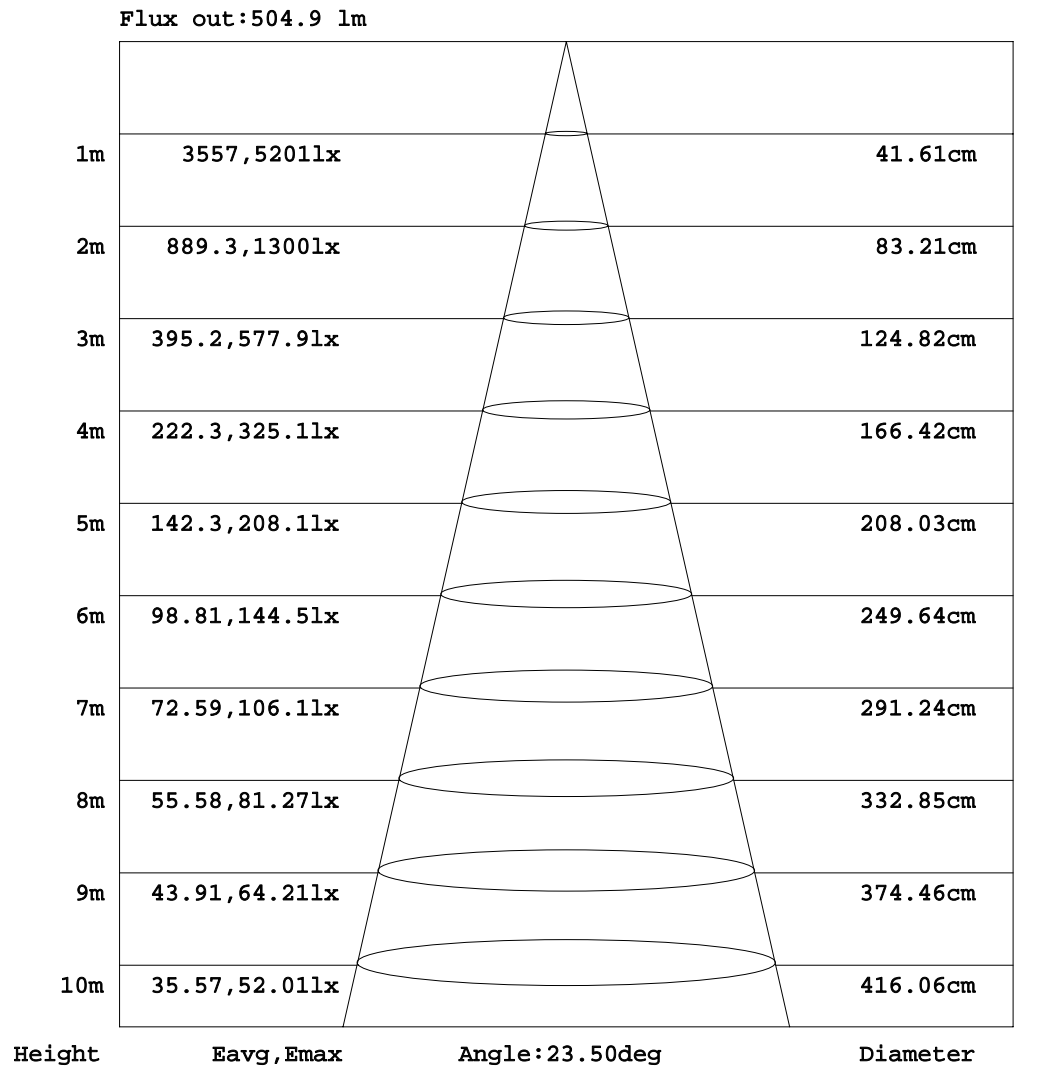


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

AAI Figure

NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



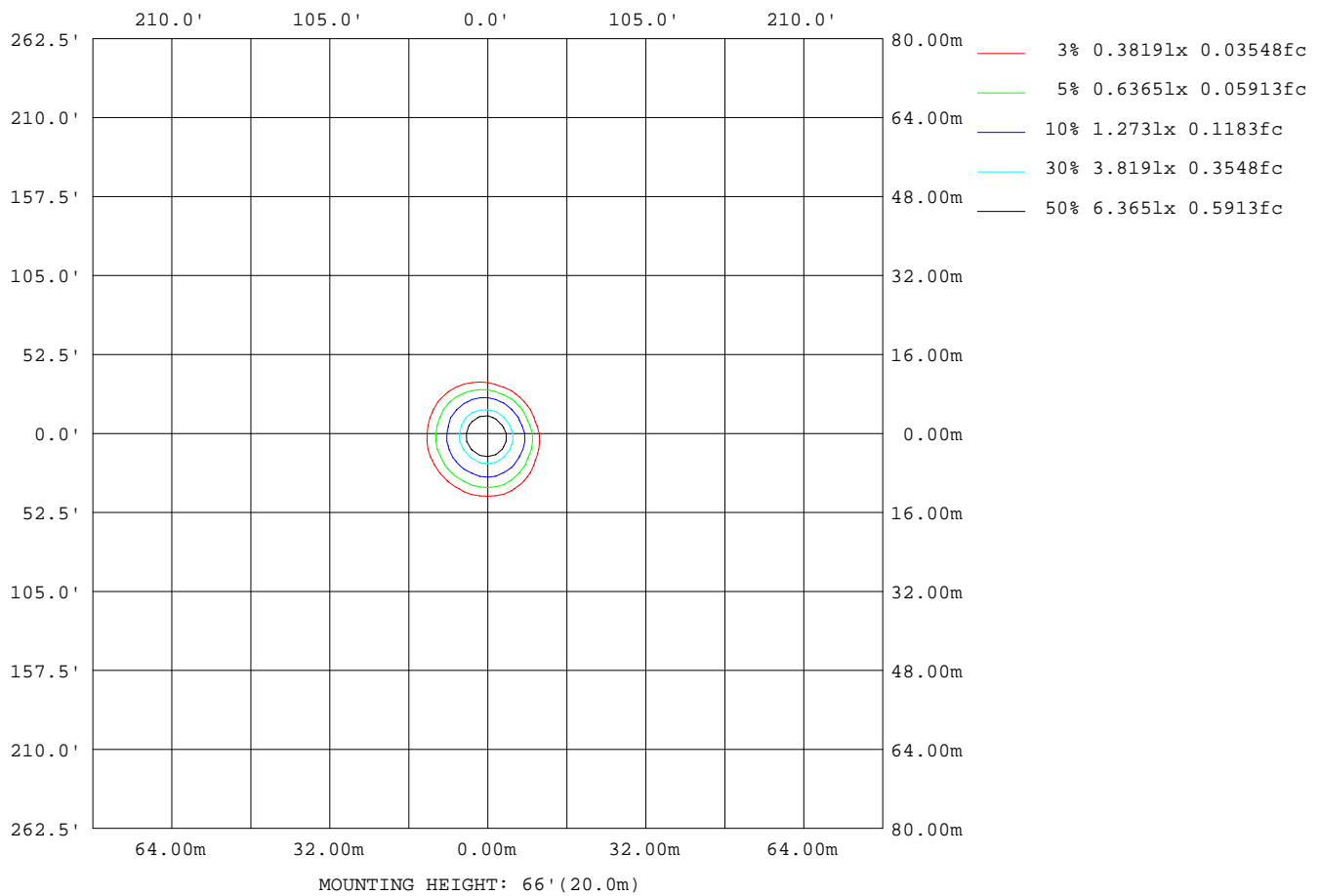
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

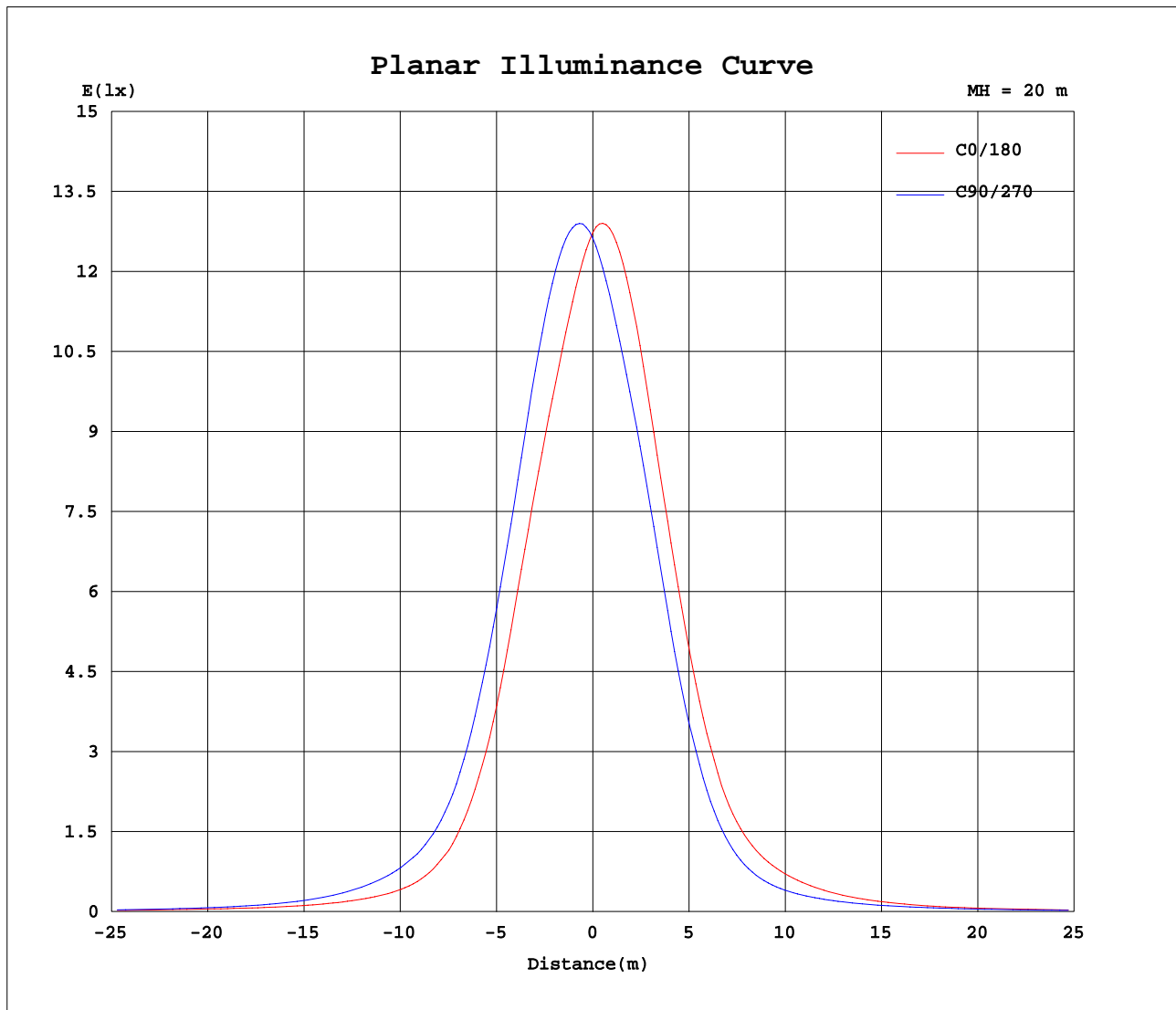
AvgL	cd/m2
L_0~180(65)av	24442
L_0~180(75)av	7053
L_0~180(85)av	0
L_90~270(65)av	25945
L_90~270(75)av	7196
L_90~270(85)av	0
L_45(65)av	25552
L_45(75)av	7234
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 23DEG
Operators: xyj
Test Date: 2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	5044	5044	5044	5044	5044	5044	5044	5044	5044	5044	5044	5044	5044	5044	5044	5044	5044	5044	5044
5	4103	4266	4398	4596	4721	4891	4955	5070	5059	5111	5034	5031	4765	4621	4544	4387	4302	4153	4070
10	2818	3012	3141	3380	3502	3709	3736	3862	3786	3823	3673	3699	3376	3225	3168	2996	2916	2756	2690
15	1436	1583	1690	1902	2017	2192	2203	2265	2167	2178	2075	2108	1878	1790	1771	1638	1562	1402	1339
20	610	690	755	887	970	1071	1060	1088	1030	1024	970	983	875	830	824	752	696	602	562
25	278	313	352	427	493	544	546	556	540	534	516	513	463	445	435	397	354	299	268
30	161	178	203	246	288	320	323	327	318	320	307	307	278	267	261	240	214	181	161
35	104	115	129	153	176	195	197	199	194	195	189	188	172	165	163	151	137	118	106
40	72.7	78.7	87.2	101	113	124	125	127	124	126	122	122	110	105	105	99.2	91.9	81.4	74.8
45	55.8	59.7	65.8	73.1	79.0	84.6	84.1	85.5	83.9	84.5	81.8	80.6	74.2	71.9	71.9	68.6	65.1	59.4	55.2
50	43.0	45.6	48.7	52.3	55.5	58.9	59.3	60.5	60.1	61.2	59.8	59.3	55.2	53.7	53.6	51.6	49.3	45.5	42.8
55	32.0	34.0	36.3	38.9	40.9	43.5	43.7	44.7	43.7	44.2	42.9	42.6	39.5	38.1	37.7	35.9	34.1	32.0	31.1
60	23.2	24.5	26.3	28.6	29.9	31.7	32.2	33.0	32.4	32.6	31.7	31.5	29.2	28.0	27.6	26.1	24.8	23.4	22.6
65	16.7	17.9	19.2	20.9	21.8	23.1	23.4	24.0	23.4	23.5	22.7	22.6	20.6	19.6	19.5	18.5	17.8	16.8	16.3
70	11.1	11.9	12.5	13.4	13.6	14.2	13.9	14.1	13.5	13.4	12.8	12.7	11.1	10.3	10.5	9.99	10.0	9.59	9.71
75	4.27	4.62	4.57	4.83	4.52	4.56	4.10	4.04	3.54	3.50	3.07	3.12	2.33	2.05	2.23	2.11	2.36	2.33	2.64
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
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	1.75	1.48	1.35	1.03	0.87	0.56	0.41	0.16	0.09	0.00	0.05	0.09	0.00	0.00	0.00	0.00	0.13	0.36	0.44
135	4.55	4.17	3.96	3.56	3.33	2.97	2.78	2.48	2.40	2.25	2.36	2.43	1.01	1.38	1.62	2.04	2.28	2.62	2.73
140	7.77	7.34	7.07	6.65	6.39	6.02	5.83	5.55	5.46	5.34	5.43	5.55	3.71	4.14	4.45	4.92	5.21	5.60	5.77
145	10.8	10.3	10.1	9.71	9.50	9.20	9.05	8.84	8.76	8.70	8.79	8.90	6.98	7.39	7.71	8.16	8.41	8.82	9.01
150	13.0	12.6	12.4	12.2	12.0	11.9	11.8	11.6	11.6	11.6	11.6	11.7	10.2	10.5	10.7	11.1	11.3	11.6	11.8
155	14.1	13.9	13.7	13.6	13.6	13.6	13.6	13.5	13.4	13.5	13.5	13.6	12.6	12.8	12.9	13.0	13.1	13.5	13.6
160	14.1	13.9	13.8	13.8	13.9	14.2	14.2	14.3	14.1	14.2	14.2	14.4	13.7	13.7	13.7	13.6	13.7	13.9	13.9
165	12.6	12.6	12.5	12.7	13.1	13.4	13.5	13.7	13.7	13.7	13.6	13.8	13.2	13.1	13.0	12.9	12.9	12.9	12.8
170	10.3	10.5	10.7	10.9	11.2	11.6	11.7	12.0	11.9	12.1	12.1	12.1	11.6	11.5	11.5	11.2	11.0	10.9	10.8
175	8.58	8.74	9.03	9.39	9.61	9.74	9.81	10.02	10.1	10.2	10.03	9.89	9.72	9.72	9.85	9.78	9.55	9.35	9.10
180	8.69	8.77	8.94	9.14	9.03	8.94	8.87	8.82	8.83	9.00	8.70	8.55	8.70	8.77	8.96	9.14	9.04	8.93	8.88

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	5044	5044	5044	5044	5044														
5	3962	3918	3862	3889	3927														
10	2567	2549	2506	2561	2598														
15	1232	1244	1210	1266	1265														
20	524	513	510	518	529														
25	246	241	236	242	246														
30	148	143	140	143	147														
35	97.5	94.4	92.7	94.3	95.9														
40	69.8	67.7	67.0	67.8	68.7														
45	53.1	53.3	53.4	53.6	54.0														
50	40.9	40.2	40.0	40.7	41.2														
55	30.1	30.2	29.8	30.2	30.6														
60	21.8	21.6	21.4	21.9	22.2														
65	15.7	15.5	15.3	15.7	16.0														
70	9.51	9.71	9.65	10.06	10.2														
75	2.67	3.03	3.11	3.46	3.50														
80	0.00	0.00	0.00	0.00	0.00														
85	0.00	0.00	0.00	0.00	0.00														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.54	0.45	0.45	0.33	0.31														
135	2.90	2.84	2.86	2.70	2.66														
140	6.03	6.00	6.07	5.86	5.82														
145	9.29	9.28	9.42	9.20	9.14														
150	12.0	12.0	12.2	12.0	12.0														
155	13.7	13.6	13.7	13.6	13.7														
160	14.0	13.8	13.8	13.8	13.9														
165	12.7	12.7	12.4	12.2	12.4														
170	10.6	10.4	10.2	10.1	10.10														
175	9.06	8.98	8.79	8.43	8.40														
180	8.82	8.83	9.00	8.70	8.55														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:xyj
 Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks: