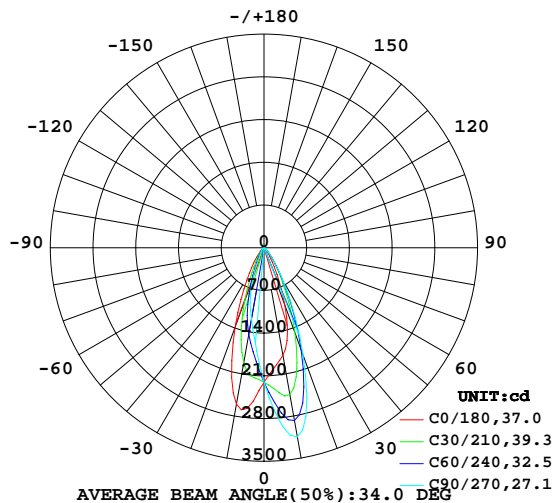


LUMINAIRE PHOTOMETRIC TEST REPORT

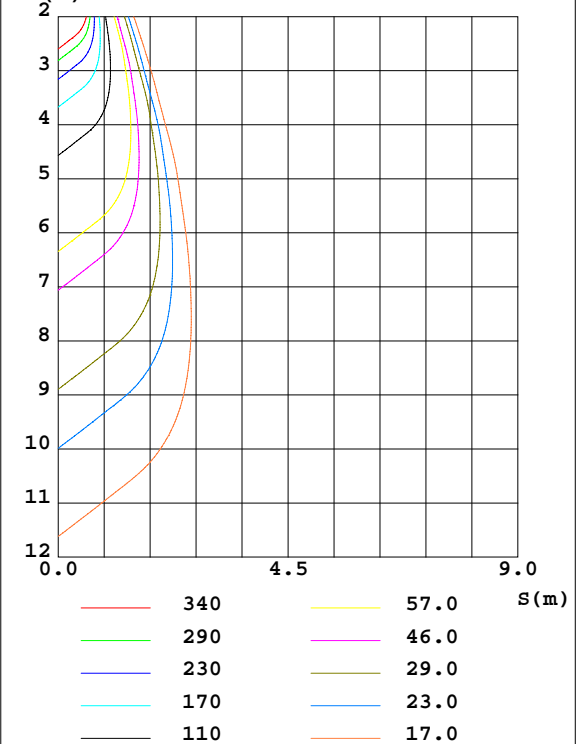
NAME: EN-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 87.65 lm/W			
MODEL	CLU028-1204C4	Imax(cd)	3257	S/MH(C0/180)	0.69
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.37
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1262.4	η UP,DN(C0-180)	0.6,65.9
NOMINAL FLUX(lm)	1262.41	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,32.7
LAMPS INSIDE	1	η up(%)	1.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	98.6	CIBSE SHR MAX	0.55

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: 2.0DEG
 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:

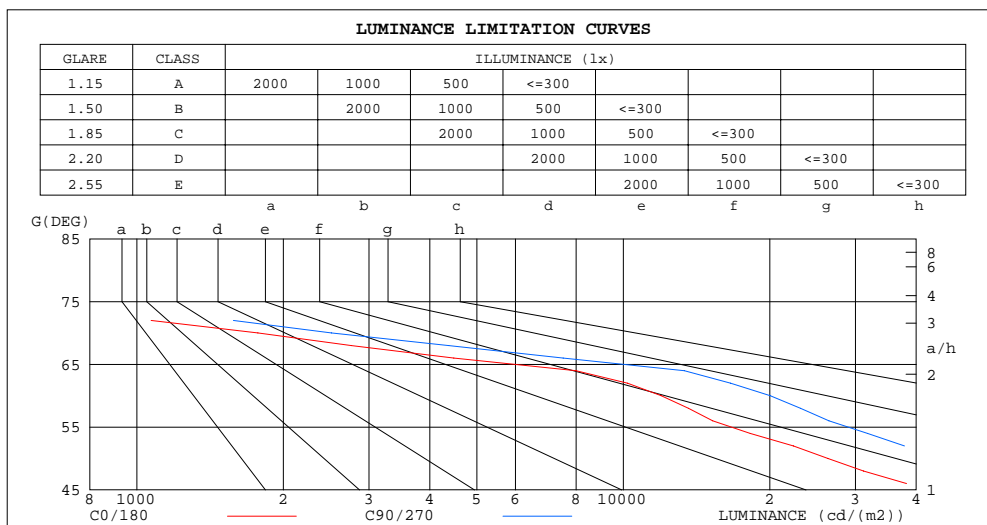
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1790	2700	3144	3209	2604	1645	1183	1215	0- 10	212.7	212.7	16.8,16.8
20	1000	1695	1874	1854	1382	748.0	534.8	590.8	10- 20	483.3	696.0	55.1,55.1
30	274.1	605.3	618.2	594.5	482.0	198.0	136.1	151.6	20- 30	332.3	1028	81.5,81.5
40	86.18	176.9	171.1	159.2	150.5	68.16	53.87	57.88	30- 40	137.5	1166	92.3,92.3
50	29.38	53.47	54.00	47.71	44.01	24.85	20.46	21.10	40- 50	52.88	1219	96.5,96.5
60	10.38	17.88	18.13	17.65	15.01	9.271	7.133	7.247	50- 60	20.05	1239	98.1,98.1
70	1.053	1.305	1.554	1.772	1.517	1.141	0.7936	0.7077	60- 70	5.909	1245	98.6,98.6
80	0	0	0	0	0	0	0	0	70- 80	0.3217	1245	98.6,98.6
90	0	0	0	0	0	0	0	0	80- 90	0	1245	98.6,98.6
100	0	0	0	0	0	0	0	0	90-100	0	1245	98.6,98.6
110	0	0	0	0	0	0	0	0	100-110	0	1245	98.6,98.6
120	0	0	0	0	0	0	0	0	110-120	0	1245	98.6,98.6
130	2.774	0.5932	0	0.0009	0.1175	1.961	2.546	2.316	120-130	0.2853	1245	98.6,98.6
140	7.264	4.588	3.007	3.301	3.786	6.593	7.992	7.698	130-140	2.483	1248	98.8,98.8
150	11.07	9.366	8.455	8.794	8.371	10.74	12.13	11.78	140-150	4.898	1253	99.2,99.2
160	12.27	12.37	12.60	12.83	11.59	12.01	12.58	12.16	150-160	5.305	1258	99.6,99.6
170	10.86	12.32	13.23	13.21	11.78	11.12	10.33	10.05	160-170	3.440	1261	99.9,99.9
180	11.36	11.87	11.63	11.71	11.36	11.86	11.64	11.70	170-180	1.099	1262	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: 2.0DEG
 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-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	0	0
75	342	726
70	1773	2511
65	8291	13842
60	11955	20036
55	18686	32576
50	26325	46429
45	45918	82060

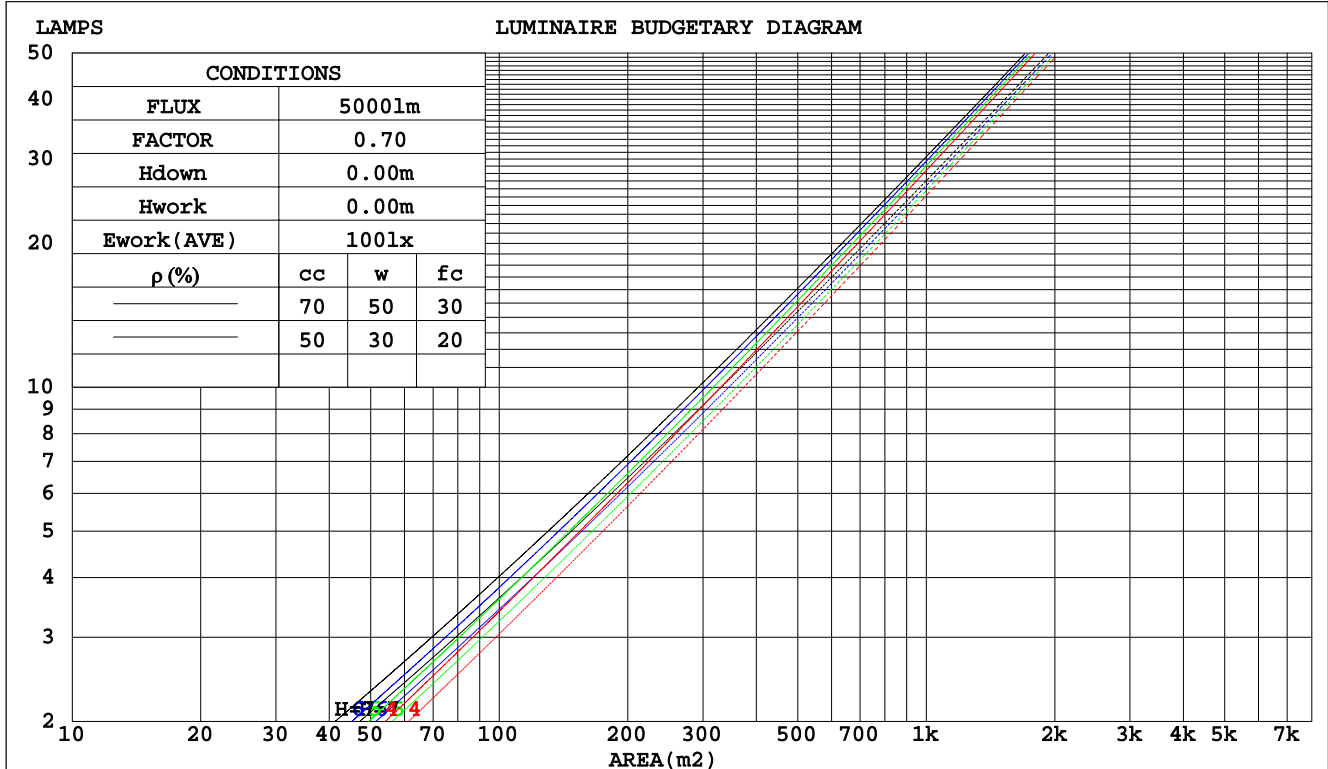
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
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-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	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	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.04	1.01	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.98	.94	.90	.97	.92	.89	.94	.90	.88	.91	.88	.86	.89	.87	.85	.83
4.0	.93	.88	.84	.91	.87	.83	.89	.85	.82	.87	.84	.81	.85	.82	.80	.79
5.0	.88	.82	.79	.87	.82	.78	.85	.81	.77	.83	.79	.77	.81	.78	.76	.74
6.0	.83	.78	.74	.82	.77	.74	.81	.76	.73	.79	.75	.72	.78	.74	.72	.71
7.0	.79	.74	.70	.78	.73	.70	.77	.73	.69	.76	.72	.69	.75	.71	.68	.67
8.0	.75	.70	.66	.75	.70	.66	.74	.69	.66	.72	.68	.65	.71	.68	.65	.64
9.0	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.69	.65	.62	.61
10.0	.69	.64	.60	.68	.63	.60	.67	.63	.60	.67	.63	.60	.66	.62	.59	.58



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: 2.0DEG
 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-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	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	.165	.094	.030	.157	.090	.029	.144	.083	.026	.132	.076	.024	.121	.070	.023	
2.0	.156	.086	.026	.150	.083	.025	.139	.077	.024	.129	.072	.023	.119	.067	.021	
3.0	.148	.079	.024	.143	.076	.023	.133	.072	.022	.124	.068	.021	.116	.064	.020	
4.0	.140	.073	.021	.136	.071	.021	.128	.068	.020	.120	.064	.019	.113	.061	.019	
5.0	.133	.068	.020	.129	.066	.019	.122	.064	.019	.115	.061	.018	.109	.058	.018	
6.0	.127	.064	.018	.123	.062	.018	.117	.060	.017	.111	.058	.017	.106	.056	.017	
7.0	.121	.060	.017	.118	.059	.017	.112	.057	.016	.107	.055	.016	.102	.053	.016	
8.0	.116	.056	.016	.113	.056	.016	.108	.054	.015	.103	.052	.015	.099	.051	.015	
9.0	.111	.054	.015	.108	.053	.015	.104	.051	.015	.100	.050	.014	.096	.049	.014	
10.0	.106	.051	.014	.104	.050	.014	.100	.049	.014	.096	.048	.014	.092	.047	.013	

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	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.181	.168	.157	.155	.144	.135	.106	.099	.093	.061	.057	.054	.020	.018	.018	
2.0	.165	.143	.125	.141	.123	.108	.097	.085	.075	.056	.050	.044	.018	.016	.014	
3.0	.152	.124	.102	.130	.107	.089	.089	.074	.062	.052	.043	.037	.017	.014	.012	
4.0	.141	.109	.085	.121	.095	.074	.083	.066	.052	.048	.039	.031	.015	.013	.010	
5.0	.132	.098	.072	.113	.084	.063	.078	.059	.045	.045	.035	.026	.015	.011	.009	
6.0	.124	.088	.063	.106	.076	.054	.073	.053	.039	.043	.031	.023	.014	.010	.008	
7.0	.117	.080	.055	.101	.070	.048	.069	.049	.034	.040	.029	.020	.013	.009	.007	
8.0	.111	.074	.049	.096	.064	.042	.066	.045	.030	.038	.027	.018	.012	.009	.006	
9.0	.106	.069	.044	.091	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
10.0	.101	.064	.040	.087	.056	.035	.060	.039	.025	.035	.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: 2.0DEG
 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-TLO015-31 WHITE						TYPE:LED TRACK LIGHT					WEIGHT:				
SPEC.:CRI80 3000K L						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						20.6	21.4	20.8	21.6	21.8	22.5	23.3	22.7	23.5	23.7
3H						20.4	21.2	20.7	21.4	21.6	22.3	23.1	22.6	23.3	23.5
4H						20.3	21.1	20.6	21.3	21.5	22.2	23.0	22.5	23.2	23.5
6H						20.2	20.9	20.6	21.2	21.5	22.2	22.8	22.5	23.1	23.4
8H						20.2	20.9	20.5	21.1	21.4	22.1	22.8	22.4	23.0	23.3
12H						20.1	20.8	20.5	21.1	21.4	22.1	22.7	22.4	23.0	23.3
4H 2H						20.4	21.2	20.7	21.4	21.7	22.3	23.0	22.6	23.3	23.5
3H						20.3	20.9	20.6	21.2	21.5	22.1	22.8	22.5	23.1	23.4
4H						20.2	20.8	20.5	21.1	21.4	22.0	22.6	22.4	22.9	23.3
6H						20.1	20.6	20.5	20.9	21.3	21.9	22.4	22.3	22.8	23.2
8H						20.0	20.5	20.4	20.9	21.3	21.9	22.3	22.3	22.7	23.1
12H						20.0	20.4	20.4	20.8	21.2	21.8	22.3	22.3	22.6	23.1
8H 4H						20.0	20.5	20.4	20.9	21.3	21.9	22.3	22.3	22.7	23.1
6H						19.9	20.3	20.4	20.7	21.2	21.8	22.2	22.2	22.6	23.0
8H						19.9	20.2	20.3	20.6	21.1	21.7	22.0	22.2	22.5	23.0
12H						19.8	20.1	20.3	20.6	21.0	21.6	21.9	22.1	22.4	22.9
12H 4H						20.0	20.4	20.4	20.8	21.2	21.8	22.3	22.3	22.6	23.1
6H						19.9	20.2	20.3	20.6	21.1	21.7	22.0	22.2	22.5	23.0
8H						19.8	20.1	20.3	20.6	21.0	21.6	21.9	22.1	22.4	22.9
Variations with the observer position at spacings:															
S = 1.0H						+ 2.7 / - 6.5					+ 2.6 / - 6.0				
1.5H						+ 3.2 / - 4.5					+ 4.0 / - 4.3				
2.0H						+ 3.6 / - 5.0					+ 4.2 / - 4.7				

CIE Pub.117, 1262 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.8$)

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: 2.0DEG
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-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

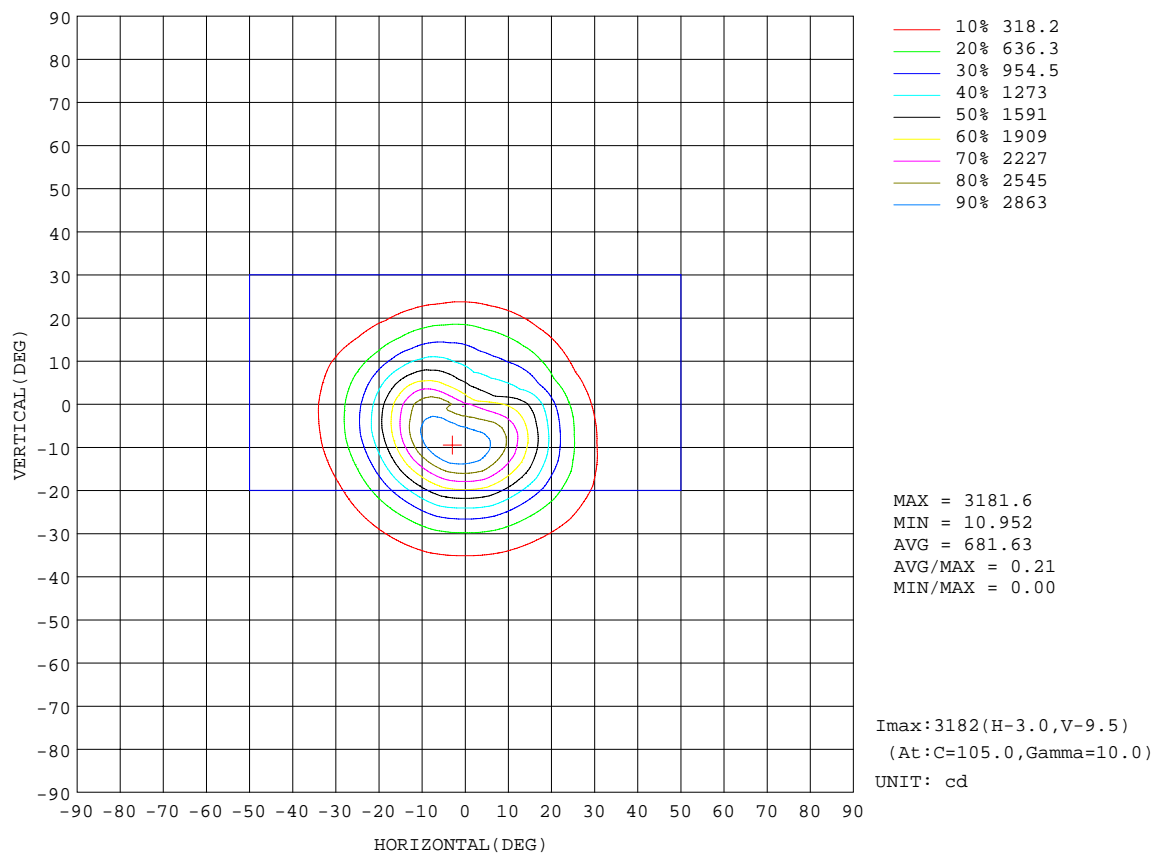
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	87	80	77	86	80	76	85	80	76	73
0.80	94	88	85	93	88	84	92	87	84	80
1.00	99	93	89	98	93	89	96	92	89	84
1.25	103	98	94	102	97	94	99	96	93	88
1.50	105	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	107	106	104	97
5.00	115	112	111	112	110	109	108	107	106	98
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: 2.0DEG
 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-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

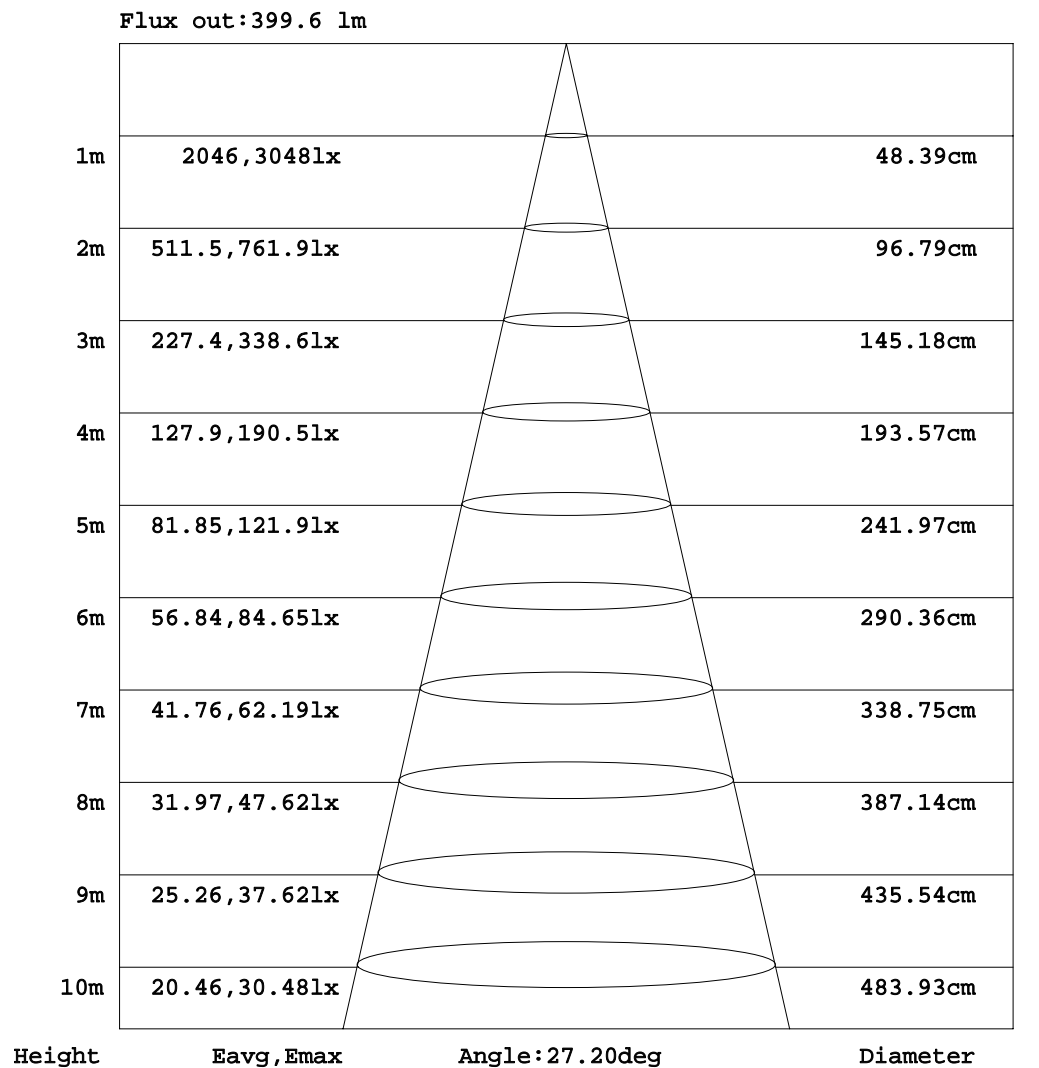


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-02-26

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
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-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



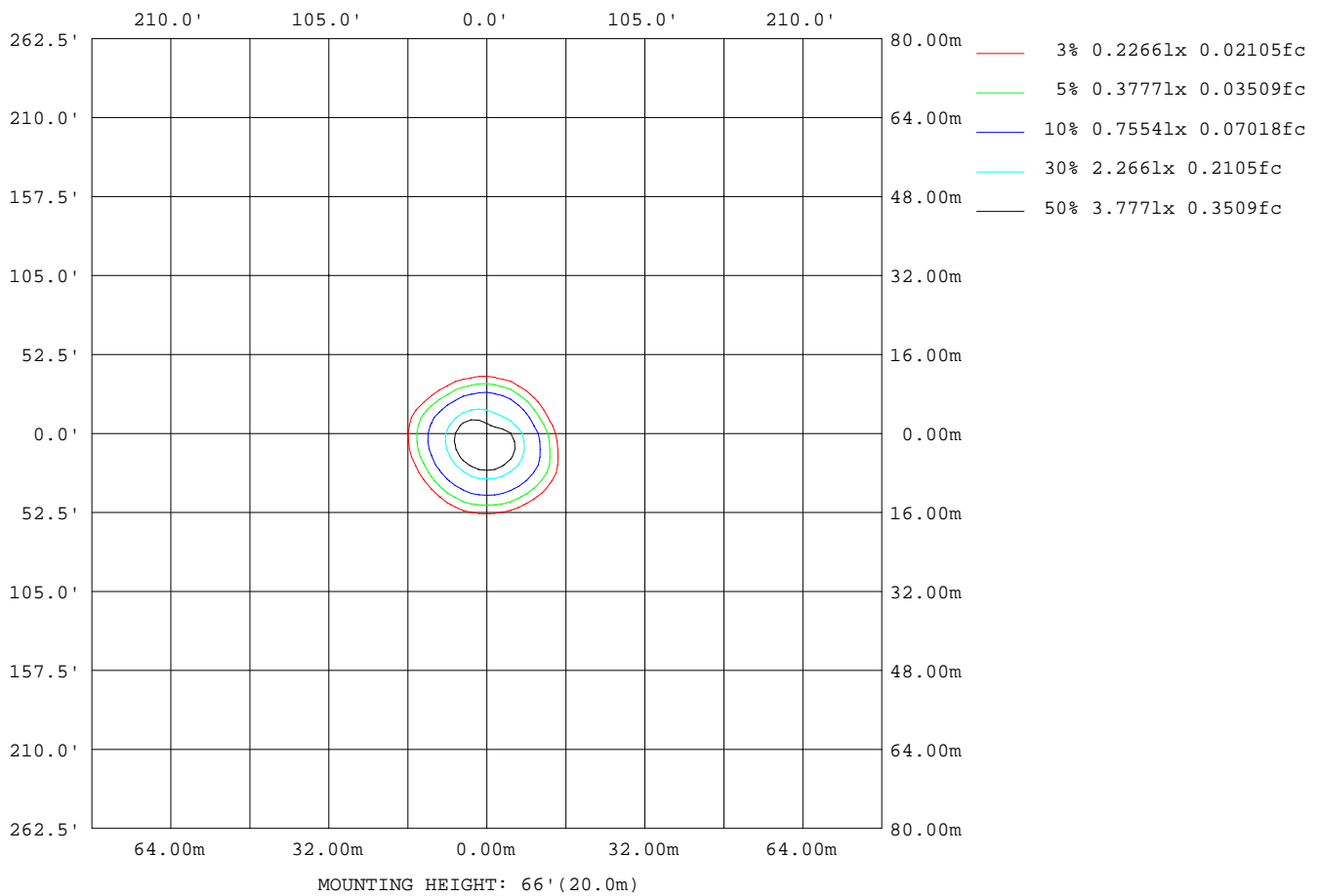
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: 2.0DEG
 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-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	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: 2.0DEG
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-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

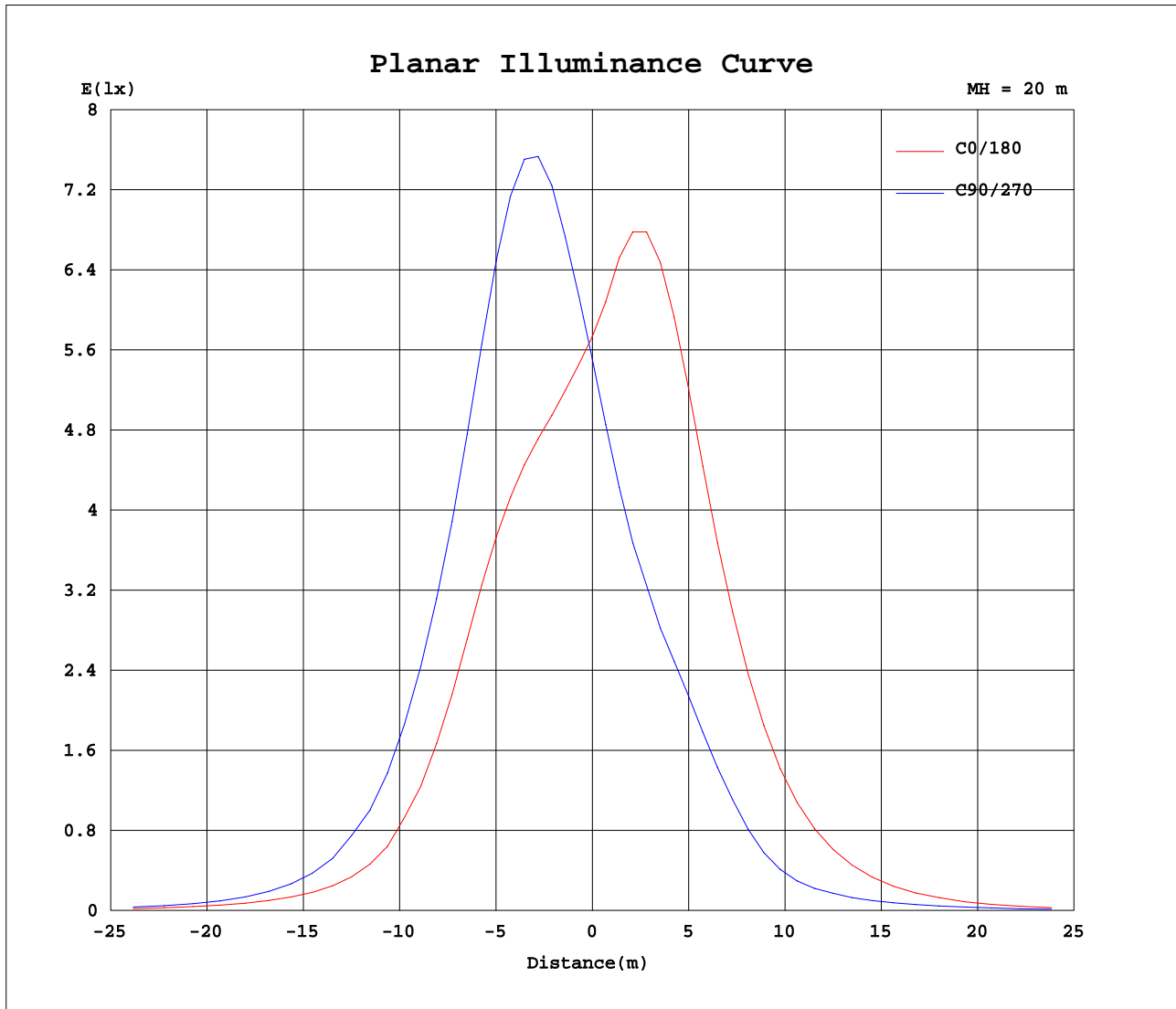
AvgL	cd/m2
L_0~180(65)av	6731
L_0~180(75)av	184
L_0~180(85)av	0
L_90~270(65)av	7171
L_90~270(75)av	147
L_90~270(85)av	0
L_45(65)av	7168
L_45(75)av	167
L_45(85)av	0

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: 2.0DEG
 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: 2.0DEG
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-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	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	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202
5	2010	2135	2311	2437	2546	2642	2711	2768	2777	2747	2687	2591	2522	2373	2140	1989	1864	1768	1703
10	1790	2077	2443	2700	2875	3055	3144	3257	3236	3209	3079	2923	2604	2290	1917	1645	1441	1284	1183
15	1570	1838	2182	2453	2623	2804	2845	2947	2894	2872	2731	2576	2195	1879	1556	1312	1145	1010	941
20	1000	1212	1484	1695	1780	1885	1874	1938	1878	1854	1747	1666	1382	1165	932	748	633	562	535
25	626	800	1034	1203	1231	1307	1280	1344	1265	1237	1165	1135	931	772	582	440	364	316	304
30	274	376	543	605	604	630	618	645	607	594	578	568	482	401	272	198	163	143	136
35	166	230	334	371	362	372	366	382	361	349	333	347	306	259	169	126	109	95.0	91.3
40	86.2	117	164	177	170	171	171	178	168	159	153	163	150	133	85.6	68.2	60.3	56.4	53.9
45	56.4	72.4	103	113	105	105	105	113	103	95.8	91.1	97.5	91.4	82.1	55.2	46.1	41.8	38.9	38.1
50	29.4	36.7	51.3	53.5	53.0	52.0	54.0	54.4	51.5	47.7	45.1	47.5	44.0	39.6	29.2	24.9	22.5	20.9	20.5
55	18.6	23.5	31.4	34.5	33.0	33.9	33.8	35.8	34.5	31.8	29.6	30.7	28.0	24.9	18.9	15.9	14.1	12.8	12.3
60	10.4	12.4	15.9	17.9	17.5	18.2	18.1	19.1	18.7	17.7	16.5	17.1	15.0	13.2	10.9	9.27	8.32	7.48	7.13
65	6.08	7.22	8.19	9.58	9.89	10.7	10.6	11.2	10.7	10.7	9.84	9.99	7.51	6.28	5.74	4.69	4.36	3.81	3.72
70	1.05	1.14	1.16	1.30	1.34	1.57	1.55	1.72	1.66	1.77	1.80	1.97	1.52	1.35	1.31	1.14	1.00	0.86	0.79
75	0.15	0.21	0.16	0.24	0.25	0.33	0.34	0.41	0.38	0.51	0.53	0.68	0.32	0.18	0.20	0.08	0.05	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
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	0.47	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	0.00	0.00	0.07	0.05
130	2.77	2.09	1.21	0.59	0.14	0.00	0.00	0.00	0.00	0.00	0.06	0.52	0.12	0.66	1.43	1.96	2.22	2.54	2.55
135	4.59	3.79	2.75	2.03	1.47	0.93	0.61	0.42	0.53	0.83	1.37	1.98	1.44	2.10	3.06	3.74	4.12	4.56	4.66
140	7.26	6.42	5.34	4.59	3.98	3.37	3.01	2.78	2.93	3.30	3.92	4.61	3.79	4.58	5.75	6.59	7.16	7.79	7.99
145	8.94	8.15	7.18	6.49	5.94	5.40	5.07	4.86	5.01	5.37	5.98	6.63	5.56	6.37	7.57	8.43	9.01	9.73	9.98
150	11.1	10.5	9.80	9.37	9.00	8.69	8.45	8.37	8.46	8.79	9.22	9.77	8.37	9.03	10.1	10.7	11.2	11.9	12.1
155	12.0	11.6	11.2	11.0	10.8	10.6	10.5	10.5	10.5	10.8	11.1	11.5	10.0	10.5	11.3	11.7	12.1	12.7	12.9
160	12.3	12.2	12.2	12.4	12.5	12.6	12.6	12.8	12.7	12.8	12.8	13.1	11.6	11.7	12.0	12.0	12.1	12.5	12.6
165	11.8	12.0	12.2	12.6	12.9	13.2	13.3	13.5	13.4	13.4	13.2	13.3	11.9	11.8	11.7	11.6	11.6	11.7	11.7
170	10.9	11.2	11.9	12.3	12.7	13.1	13.2	13.5	13.3	13.2	12.9	12.7	11.8	11.6	11.4	11.1	10.7	10.6	10.3
175	10.7	11.0	11.6	12.1	12.3	12.6	12.7	12.9	12.7	12.7	12.4	12.1	11.6	11.5	11.5	11.3	10.9	10.6	10.3
180	11.4	11.4	11.7	11.9	11.8	11.8	11.6	11.7	11.5	11.7	11.4	11.4	11.4	11.4	11.7	11.9	11.8	11.8	11.6

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: 2.0DEG
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-TLO015-31 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K L	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	2202	2202	2202	2202	2202														
5	1667	1674	1715	1784	1877														
10	1136	1143	1215	1334	1499														
15	902	906	971	1103	1284														
20	525	546	591	668	785														
25	300	319	344	400	473														
30	135	141	152	174	207														
35	90.8	94.1	99.3	115	131														
40	54.7	55.1	57.9	61.8	70.7														
45	38.2	39.0	39.6	42.2	47.7														
50	20.6	21.1	21.1	22.1	24.8														
55	12.3	12.7	12.5	13.2	14.9														
60	7.07	7.21	7.25	7.61	8.60														
65	3.59	3.71	3.71	4.11	4.49														
70	0.72	0.73	0.71	0.84	0.95														
75	0.00	0.00	0.00	0.00	0.00														
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	0.05	0.00	0.00	0.00	0.00														
130	2.66	2.45	2.32	1.99	1.73														
135	4.84	4.60	4.41	3.94	3.57														
140	8.27	7.97	7.70	7.06	6.54														
145	10.3	9.94	9.64	8.95	8.39														
150	12.4	12.0	11.8	11.1	10.7														
155	13.1	12.7	12.5	12.0	11.7														
160	12.7	12.3	12.2	11.9	12.0														
165	11.7	11.5	11.3	11.1	11.4														
170	10.3	10.10	10.05	10.03	10.29														
175	10.3	10.2	10.19	10.00	10.20														
180	11.7	11.5	11.7	11.4	11.4														

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: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks: