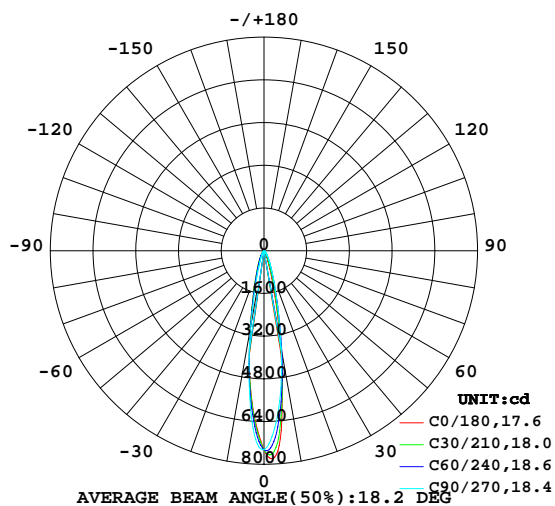


LUMINAIRE PHOTOMETRIC TEST REPORT

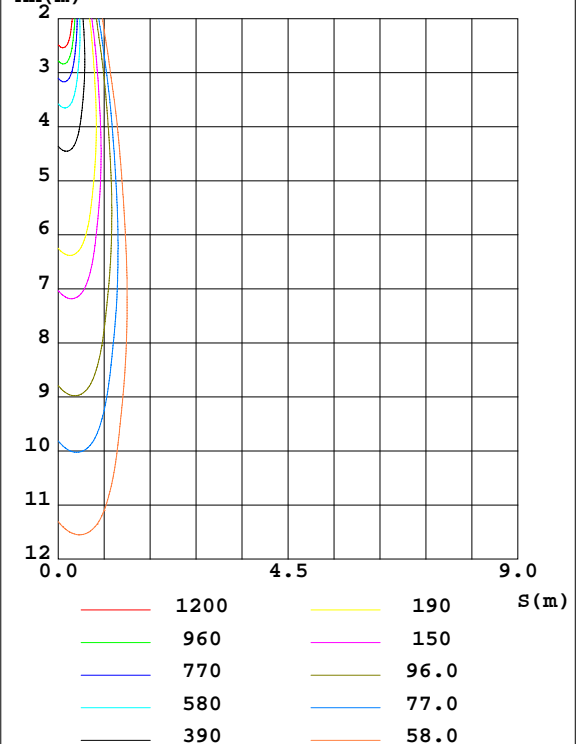
NAME: EN-TLO015-21 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 12D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.69 lm/W			
MODEL	CLU028-1204C4	Imax(cd)	7792	S/MH(C0/180)	0.29
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.29
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1278.7	η UP,DN(C0-180)	0.8,55.0
NOMINAL FLUX(lm)	1278.66	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,43.6
LAMPS INSIDE	1	η up(%)	1.5	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	98.5	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:

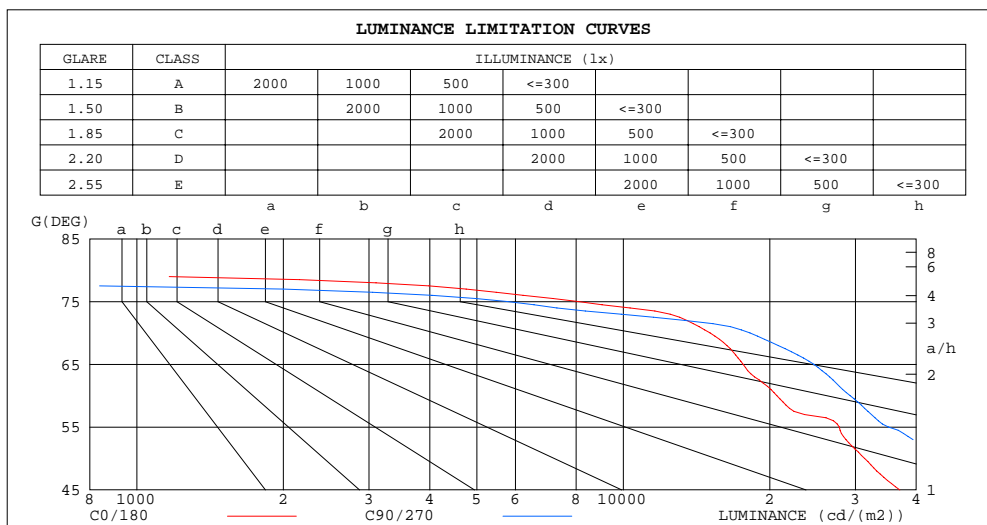
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	3559	3911	3713	3373	2978	2900	2844	2985	0- 10	485.0	485.0	37.9,37.9
20	510.5	819.4	933.5	802.2	720.8	705.1	471.8	383.6	10- 20	413.7	898.7	70.3,70.3
30	147.2	266.5	336.1	291.9	262.2	251.9	155.3	120.0	20- 30	178.4	1077	84.2,84.2
40	65.41	105.3	123.7	105.2	94.98	91.85	64.24	54.31	30- 40	90.55	1168	91.3,91.3
50	36.63	47.99	52.53	45.05	42.72	42.37	35.07	32.50	40- 50	46.28	1214	94.9,94.9
60	18.80	24.39	26.52	24.07	22.45	21.27	17.81	16.60	50- 60	27.39	1241	97.1,97.1
70	9.378	11.48	11.28	9.799	7.812	7.984	8.185	7.794	60- 70	15.11	1256	98.3,98.3
80	0.0008	0	0	0	0	0	0	0	70- 80	3.286	1260	98.5,98.5
90	0	0	0	0	0	0	0	0	80- 90	0.0000	1260	98.5,98.5
100	0	0	0	0	0	0	0	0	90-100	0	1260	98.5,98.5
110	0	0	0	0	0	0	0	0	100-110	0	1260	98.5,98.5
120	0	0	0	0	0	0	0	0	110-120	0	1260	98.5,98.5
130	0.9965	0.5412	0.0962	0	0	0	0.1147	0	120-130	0.0132	1260	98.5,98.5
140	7.506	6.783	6.456	6.129	4.327	5.318	5.482	5.229	130-140	1.949	1262	98.7,98.7
150	13.62	12.91	12.51	12.22	11.49	12.20	12.43	12.36	140-150	5.834	1268	99.1,99.1
160	15.02	14.51	14.88	14.51	14.72	14.50	14.65	14.31	150-160	6.413	1274	99.6,99.6
170	11.07	11.14	11.54	11.28	11.28	11.05	11.13	10.46	160-170	3.835	1278	99.9,99.9
180	7.757	8.248	7.789	7.685	7.761	8.242	7.789	7.686	170-180	0.9079	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 12D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	3	0
75	8082	5783
70	15080	18208
65	17633	24645
60	20681	29267
55	27787	35078
50	31337	45100
45	37018	60203

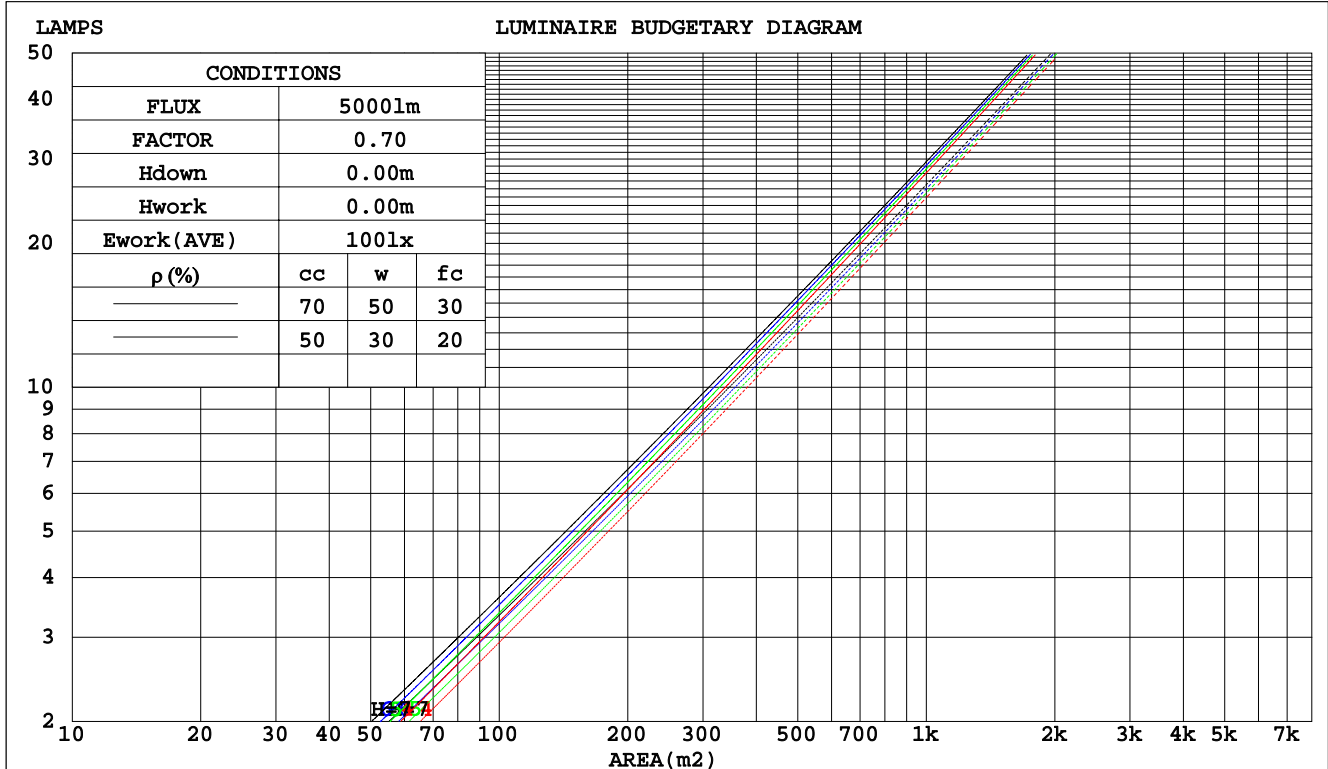
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-02-26

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 12D	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	1.12	1.10	1.08	1.10	1.08	1.06	1.05	1.04	1.03	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.06	1.03	.00	1.04	1.01	.99	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90
3.0	1.01	.97	.93	.99	.96	.93	.96	.93	.91	.94	.91	.89	.92	.90	.88	.86
4.0	.96	.92	.88	.95	.91	.88	.93	.89	.87	.91	.88	.85	.89	.86	.84	.83
5.0	.92	.88	.84	.91	.87	.84	.89	.86	.83	.88	.84	.82	.86	.83	.81	.80
6.0	.89	.84	.81	.88	.83	.80	.86	.82	.80	.85	.82	.79	.83	.81	.78	.77
7.0	.85	.81	.78	.85	.80	.77	.83	.80	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.79	.76	.74	.73
9.0	.80	.76	.73	.79	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.72	.71
10.0	.78	.73	.70	.77	.73	.70	.76	.73	.70	.76	.72	.70	.75	.72	.70	.69



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 12D	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	.150	.085	.027	.143	.081	.026	.129	.074	.024	.117	.068	.022	.106	.061	.020	
2.0	.141	.077	.024	.135	.074	.023	.124	.069	.021	.113	.064	.020	.104	.059	.019	
3.0	.132	.070	.021	.127	.068	.020	.117	.063	.019	.108	.059	.018	.100	.056	.017	
4.0	.123	.064	.019	.119	.062	.018	.111	.059	.018	.104	.056	.017	.097	.052	.016	
5.0	.116	.059	.017	.112	.058	.017	.105	.055	.016	.099	.052	.016	.093	.050	.015	
6.0	.109	.055	.016	.106	.054	.015	.100	.051	.015	.094	.049	.014	.089	.047	.014	
7.0	.103	.051	.014	.101	.050	.014	.095	.048	.014	.090	.046	.013	.086	.044	.013	
8.0	.098	.048	.013	.096	.047	.013	.091	.045	.013	.086	.044	.013	.082	.042	.012	
9.0	.093	.045	.013	.091	.044	.012	.087	.043	.012	.083	.042	.012	.079	.040	.012	
10.0	.089	.043	.012	.087	.042	.012	.083	.041	.011	.080	.040	.011	.076	.038	.011	

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	.202	.202	.202	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.181	.169	.158	.155	.145	.136	.106	.100	.094	.061	.058	.055	.019	.019	.018	
2.0	.164	.144	.128	.140	.124	.110	.096	.086	.077	.055	.050	.045	.018	.016	.015	
3.0	.149	.125	.105	.128	.108	.091	.088	.075	.064	.051	.044	.038	.016	.014	.012	
4.0	.137	.110	.089	.118	.095	.077	.081	.066	.054	.047	.039	.032	.015	.013	.011	
5.0	.127	.098	.076	.109	.084	.066	.075	.059	.047	.044	.035	.028	.014	.011	.009	
6.0	.119	.088	.066	.102	.076	.057	.070	.053	.041	.041	.031	.024	.013	.010	.008	
7.0	.111	.080	.058	.096	.069	.050	.066	.048	.036	.038	.029	.021	.012	.009	.007	
8.0	.105	.073	.052	.090	.063	.045	.062	.045	.032	.036	.026	.019	.012	.009	.006	
9.0	.099	.068	.046	.085	.059	.041	.059	.041	.029	.034	.024	.017	.011	.008	.006	
10.0	.094	.063	.042	.081	.055	.037	.056	.038	.026	.033	.023	.016	.011	.007	.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 12D					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					18.5	19.2	18.7	19.4	19.6	21.0	21.7	21.2	21.9	22.0
3H					19.0	19.7	19.3	19.9	20.1	21.3	22.0	21.6	22.2	22.4
4H					19.1	19.7	19.4	20.0	20.2	21.3	21.9	21.6	22.2	22.4
6H					19.0	19.6	19.3	19.9	20.1	21.2	21.8	21.5	22.1	22.3
8H					19.0	19.6	19.3	19.8	20.1	21.2	21.7	21.5	22.0	22.3
12H					18.9	19.5	19.3	19.8	20.1	21.1	21.7	21.5	22.0	22.3
4H 2H					18.9	19.5	19.2	19.7	20.0	21.0	21.7	21.3	21.9	22.1
3H					19.5	20.1	19.8	20.3	20.6	21.5	22.0	21.8	22.3	22.6
4H					19.6	20.1	19.9	20.4	20.7	21.5	22.0	21.8	22.3	22.6
6H					19.5	20.0	19.9	20.3	20.7	21.4	21.8	21.7	22.2	22.5
8H					19.4	19.9	19.9	20.2	20.6	21.3	21.7	21.7	22.1	22.5
12H					19.4	19.8	19.8	20.2	20.6	21.2	21.6	21.7	22.0	22.4
8H 4H					19.5	19.9	19.9	20.3	20.7	21.4	21.8	21.8	22.1	22.5
6H					19.4	19.8	19.9	20.2	20.6	21.2	21.6	21.7	22.0	22.4
8H					19.4	19.7	19.8	20.1	20.6	21.2	21.5	21.6	21.9	22.4
12H					19.3	19.6	19.8	20.0	20.5	21.1	21.4	21.6	21.8	22.3
12H 4H					19.5	19.9	19.9	20.3	20.7	21.3	21.7	21.7	22.1	22.5
6H					19.4	19.7	19.8	20.1	20.6	21.2	21.5	21.6	21.9	22.4
8H					19.3	19.6	19.8	20.0	20.5	21.1	21.4	21.6	21.8	22.3
Variations with the observer position at spacings:														
S = 1.0H					+ 1.0 / - 1.1					+ 1.4 / - 2.1				
1.5H					+ 0.8 / - 1.0					+ 2.3 / - 1.4				
2.0H					+ 1.1 / - 1.7					+ 2.3 / - 1.6				

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 12D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

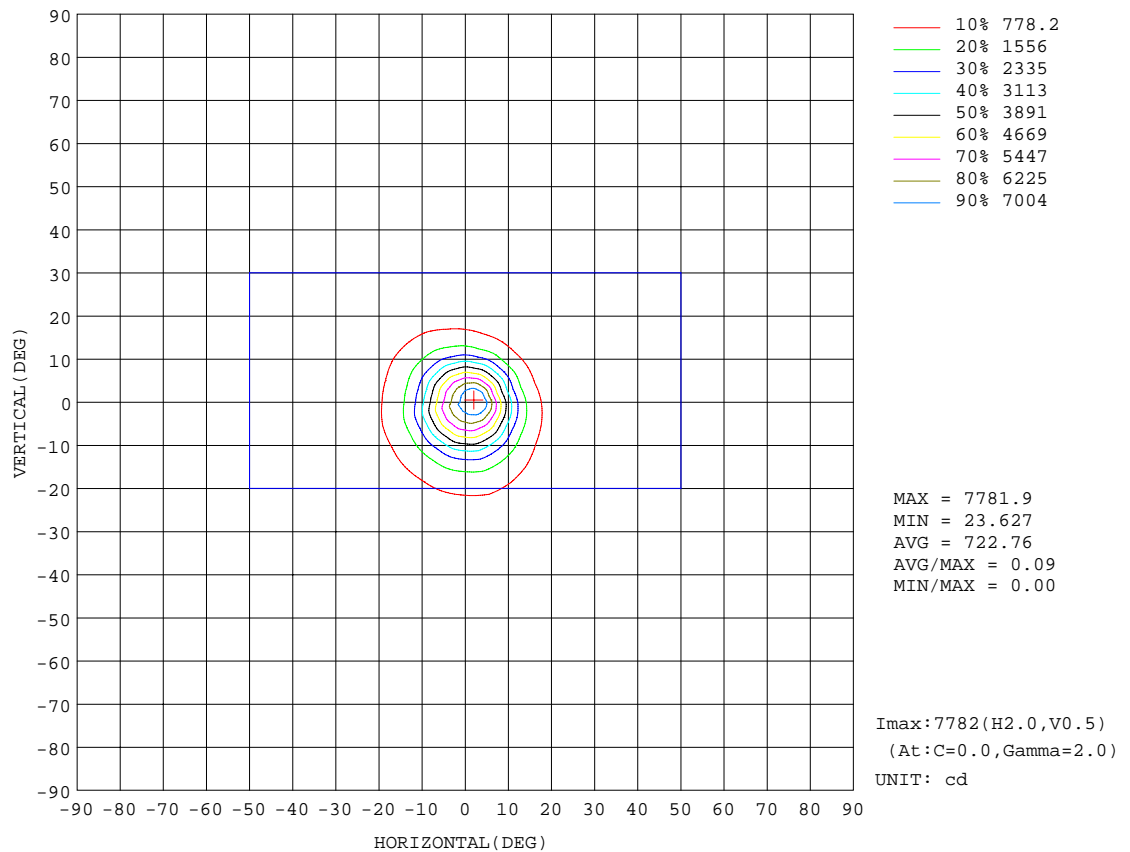
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	86	80	76	86	79	76	85	79	76	72
0.80	94	88	84	93	87	84	92	87	83	79
1.00	98	92	89	97	92	88	95	92	88	84
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	97	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	103	100	98	92
2.50	110	106	103	108	104	102	104	102	99	93
3.00	111	108	105	109	106	104	106	103	101	94
4.00	113	110	108	111	109	107	107	105	104	96
5.00	115	112	110	112	110	109	108	107	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 12D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

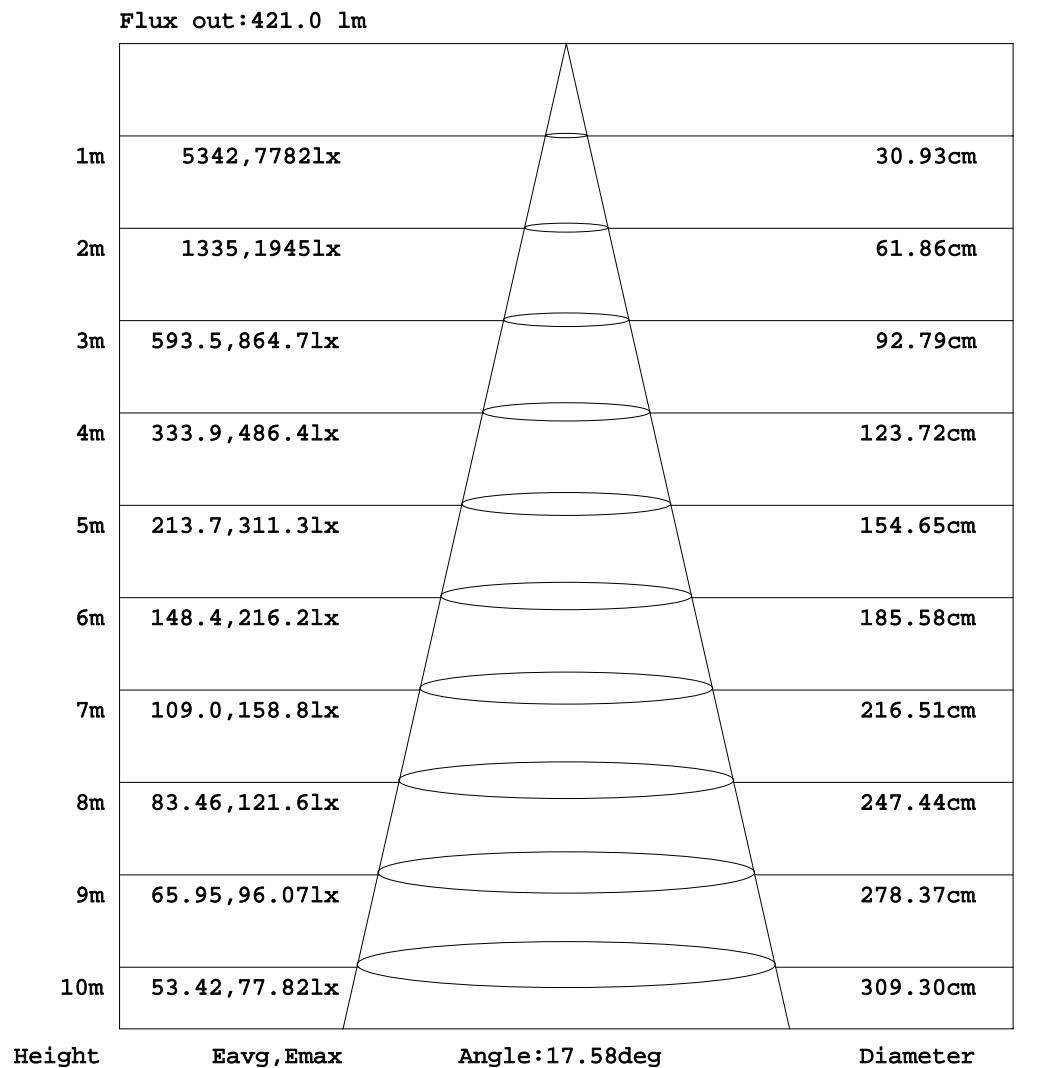


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:xyj
Test Date:2018-02-26

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 12D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



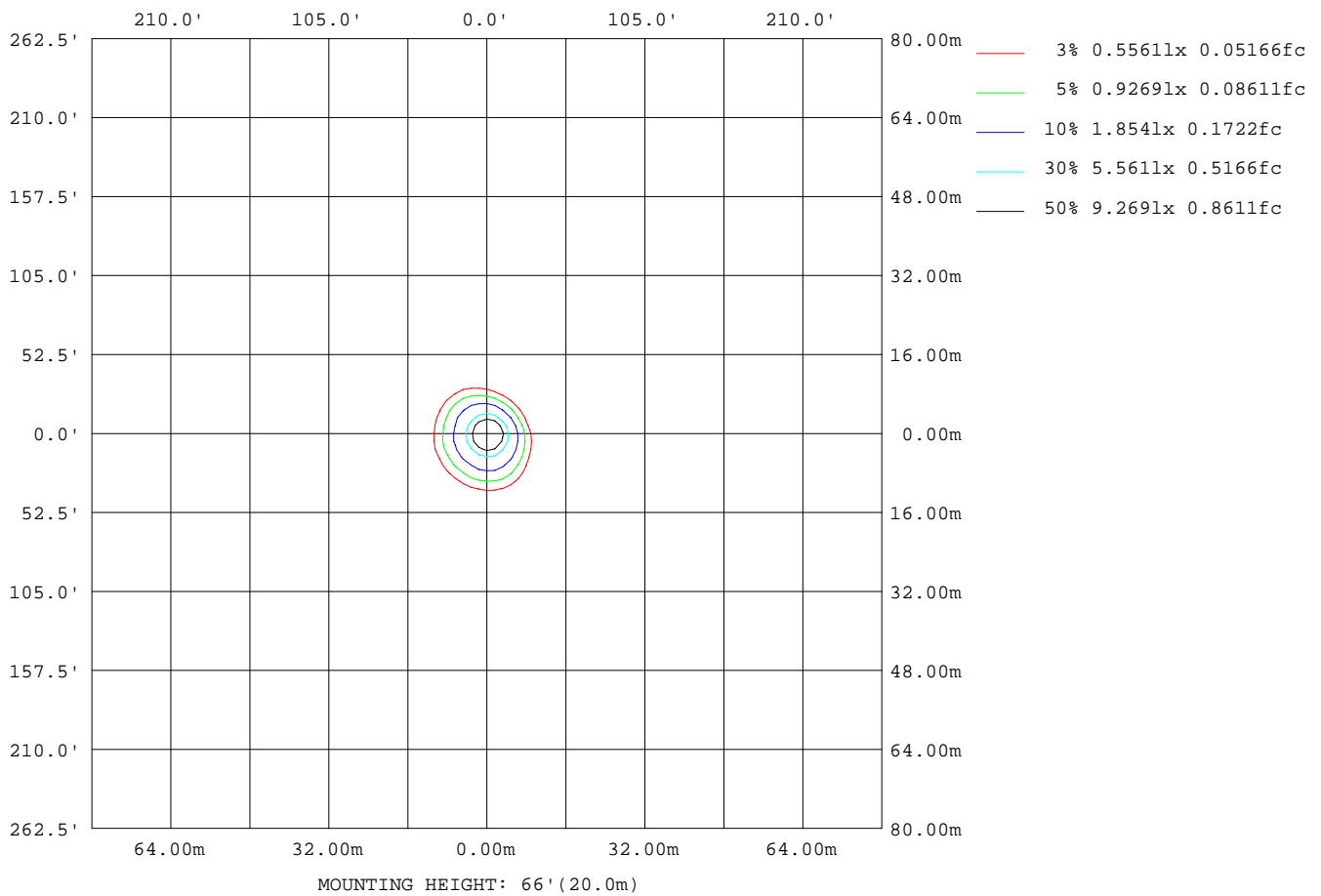
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 12D	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 12D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

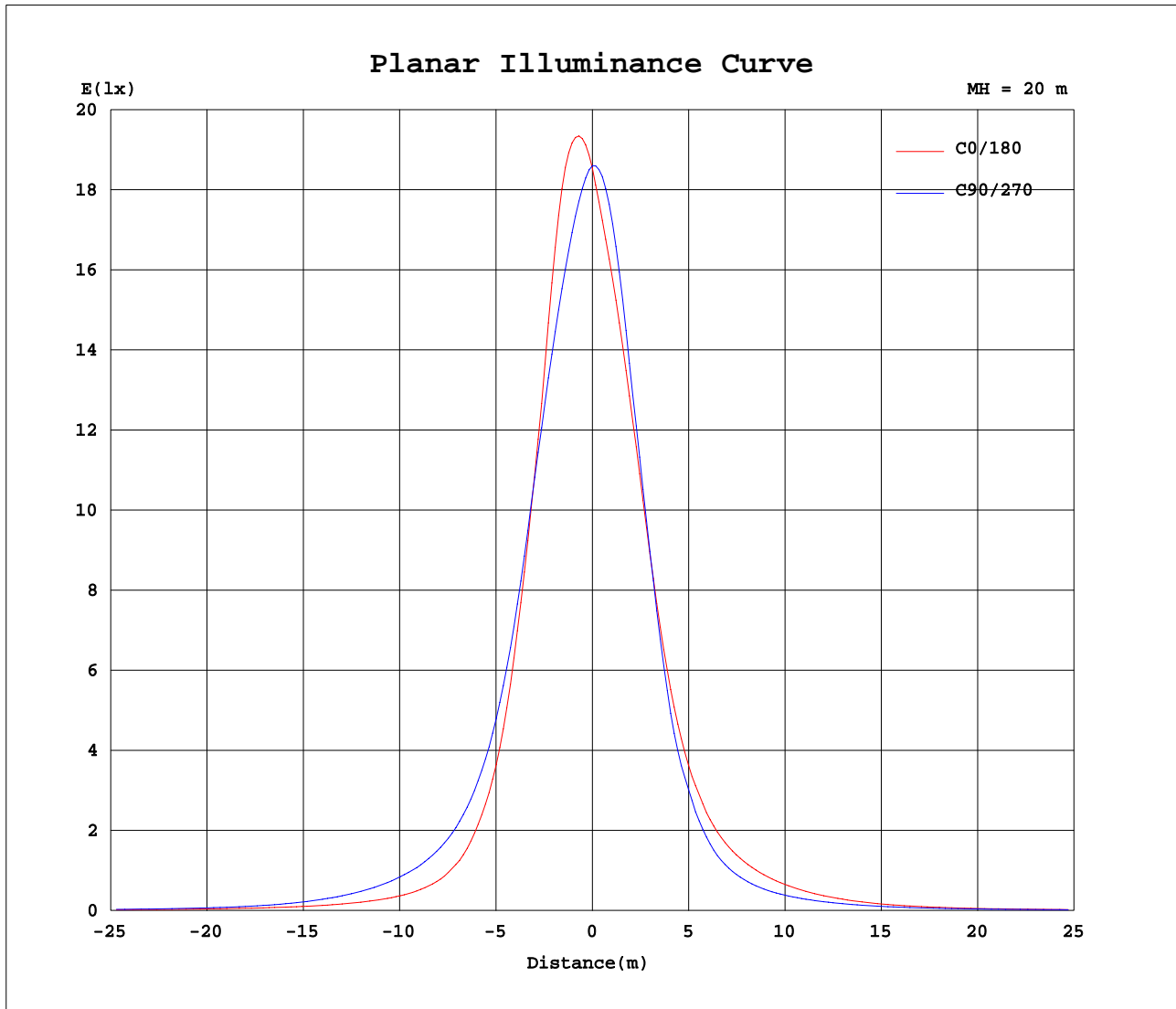
AvgL	cd/m2
L_0~180(65)av	19080
L_0~180(75)av	5026
L_0~180(85)av	0
L_90~270(65)av	20914
L_90~270(75)av	5142
L_90~270(85)av	0
L_45(65)av	20143
L_45(75)av	5043
L_45(85)av	0

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 12D	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	7453	7453	7453	7453	7453	7453	7453	7453	7453	7453	7453	7453	7453	7453	7453	7453	7453	7453	7453
5	7060	7080	6773	6687	6393	6300	6082	6005	5831	5776	5648	5637	5486	5430	5512	5510	5649	5650	5871
10	3559	3737	3690	3911	3850	3915	3713	3651	3420	3373	3206	3210	2978	2897	2946	2900	2925	2796	2844
15	1317	1482	1537	1750	1829	1932	1818	1770	1634	1578	1472	1471	1393	1362	1414	1365	1328	1175	1098
20	511	579	659	819	916	988	933	900	830	802	759	752	721	712	728	705	653	550	472
25	247	287	338	441	530	569	545	525	493	476	453	449	428	426	431	417	379	304	253
30	147	171	204	266	324	349	336	320	302	292	280	277	262	261	262	252	228	184	155
35	95.5	109	130	167	200	214	207	196	183	176	169	167	158	156	157	151	138	114	98.3
40	65.4	73.2	84.7	105	121	129	124	118	109	105	101	99.8	95.0	93.9	95.2	91.9	84.5	72.1	64.2
45	47.6	51.8	58.1	68.9	76.4	79.8	77.1	73.7	68.6	65.7	63.6	63.0	60.8	60.4	61.5	60.0	56.0	49.6	45.7
50	36.6	38.8	42.1	48.0	51.9	53.7	52.5	50.7	47.3	45.1	43.5	43.2	42.7	42.6	43.3	42.4	40.2	36.8	35.1
55	29.0	30.5	32.5	35.5	37.3	38.5	36.5	35.4	33.7	32.7	31.9	31.6	30.8	30.2	30.5	29.7	28.2	26.1	25.6
60	18.8	20.2	22.0	24.4	25.7	26.9	26.5	26.0	24.9	24.1	23.4	23.1	22.5	21.8	22.0	21.3	20.2	18.7	17.8
65	13.6	14.7	16.1	17.7	18.4	19.2	18.9	18.7	17.7	17.2	16.6	16.4	15.6	15.0	15.3	14.9	14.5	13.6	13.1
70	9.38	10.1	10.7	11.5	11.5	11.8	11.3	11.0	10.2	9.80	9.05	9.08	7.81	7.45	8.09	7.98	8.29	8.09	8.18
75	3.80	4.10	3.88	3.89	3.36	3.23	2.71	2.44	1.92	1.77	1.41	1.43	0.90	0.78	1.09	1.16	1.58	1.72	2.10
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	1.00	0.83	0.77	0.54	0.44	0.19	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.11
135	3.79	3.53	3.43	3.15	3.08	2.83	2.80	2.57	2.59	2.43	2.62	2.65	0.95	1.32	1.56	1.91	2.06	2.27	2.26
140	7.51	7.20	7.05	6.78	6.70	6.46	6.46	6.24	6.28	6.13	6.31	6.35	4.33	4.80	4.95	5.32	5.35	5.55	5.48
145	11.2	10.9	10.6	10.4	10.2	9.99	9.94	9.73	9.75	9.63	9.79	9.78	8.20	8.65	8.79	9.13	9.14	9.34	9.29
150	13.6	13.4	13.1	12.9	12.7	12.6	12.5	12.3	12.3	12.2	12.3	12.3	11.5	11.9	11.9	12.2	12.2	12.4	12.4
155	14.9	14.7	14.4	14.3	14.2	14.2	14.2	14.0	14.0	13.9	14.0	13.9	13.7	14.0	13.9	14.0	14.0	14.2	14.2
160	15.0	14.9	14.6	14.5	14.6	14.8	14.9	14.8	14.7	14.5	14.6	14.6	14.7	14.8	14.6	14.5	14.5	14.6	14.7
165	13.8	13.7	13.3	13.4	13.6	13.9	14.1	14.1	13.9	13.6	13.6	13.8	13.9	13.8	13.5	13.4	13.6	13.6	13.6
170	11.1	11.2	11.1	11.1	11.1	11.4	11.5	11.6	11.4	11.3	11.3	11.2	11.3	11.3	11.2	11.0	11.1	11.1	11.1
175	8.35	8.56	8.67	8.95	9.03	9.03	9.00	9.05	9.00	8.95	8.77	8.49	8.75	8.86	9.01	9.07	8.92	8.76	8.60
180	7.76	7.91	8.02	8.25	8.05	7.87	7.79	7.62	7.62	7.68	7.41	7.19	7.76	7.91	8.02	8.24	8.05	7.86	7.79

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 12D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	7453	7453	7453	7453	7453														
5	5952	6286	6370	6669	6605														
10	2785	2967	2985	3171	3099														
15	1005	1015	987	1063	1077														
20	412	398	384	393	402														
25	218	206	196	202	205														
30	134	126	120	123	124														
35	86.3	82.2	78.6	80.5	81.8														
40	58.3	55.8	54.3	55.9	57.3														
45	42.5	41.1	40.2	41.7	42.8														
50	33.2	32.8	32.5	33.5	33.9														
55	24.9	24.6	25.0	26.0	26.6														
60	17.0	16.9	16.6	17.1	17.3														
65	12.4	12.2	11.9	12.2	12.3														
70	7.84	7.99	7.79	8.14	8.24														
75	2.21	2.57	2.63	2.99	2.95														
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	0.10	0.00	0.00	0.00	0.00														
135	2.28	2.07	1.97	1.78	1.74														
140	5.54	5.32	5.23	4.96	4.87														
145	9.34	9.18	9.12	8.88	8.72														
150	12.5	12.4	12.4	12.2	12.0														
155	14.2	14.2	14.1	14.0	13.9														
160	14.6	14.5	14.3	14.4	14.3														
165	13.4	13.4	13.0	13.0	13.0														
170	10.9	10.7	10.5	10.5	10.4														
175	8.48	8.44	8.13	7.88	7.76														
180	7.61	7.62	7.69	7.41	7.19														

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: