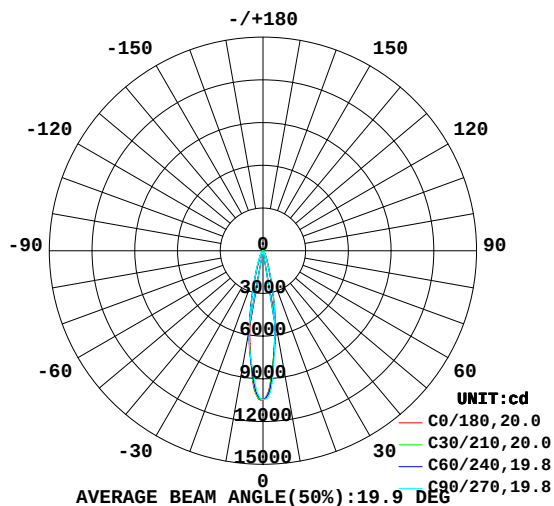


LUMINAIRE PHOTOMETRIC TEST REPORT

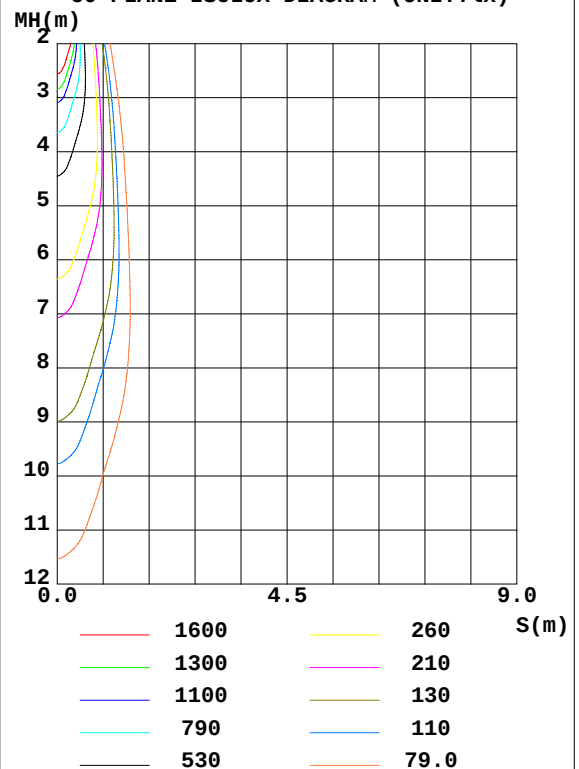
NAME: VN-TL0020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.22 lm/W			
MODEL	CXA1820	Imax(cd)	10524	S/MH(C0/180)	0.35
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.36
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2053.9	η UP, DN(C0-180)	0.9, 47.3
NOMINAL FLUX(lm)	2053.94	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.7, 51.0
LAMPS INSIDE	1	η up(%)	1.7	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	98.3	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: 2018-8-9

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.300m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

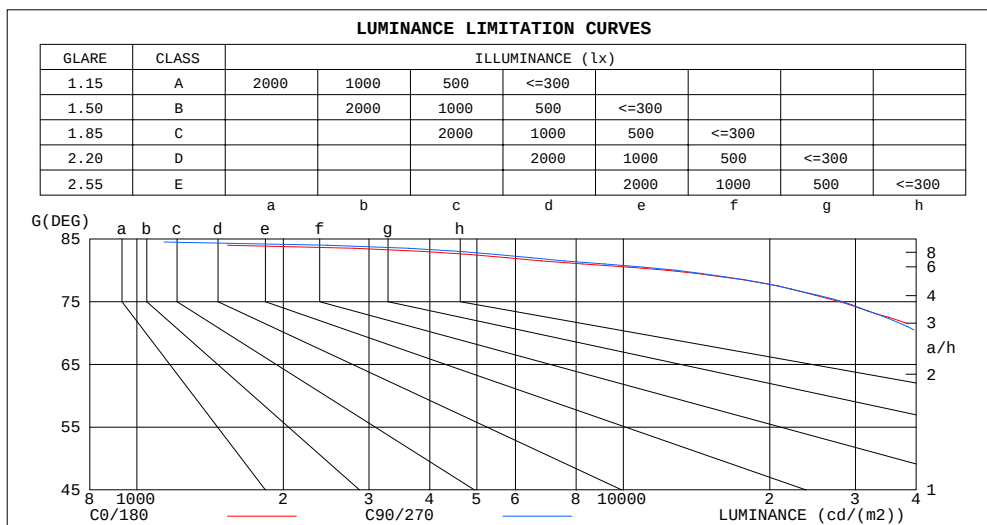
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	510.8	496.6	486.4	528.4	535.7	551.9	554.4	513.7	0- 10	698.9	698.9	34,34
20	110.5	95.35	91.12	98.49	102.6	119.7	129.1	118.6	10- 20	703.9	1403	68.3,68.3
30	34.28	28.00	26.24	28.03	29.38	35.73	41.14	39.42	20- 30	269.5	1672	81.4,81.4
40	15.06	13.32	12.83	13.47	14.01	15.65	17.56	16.79	30- 40	136.1	1808	88,88
50	8.867	8.326	8.097	8.425	8.567	9.179	9.760	9.378	40- 50	87.81	1896	92.3,92.3
60	5.739	5.485	5.302	5.504	5.604	5.901	6.191	6.017	50- 60	63.99	1960	95.4,95.4
70	2.849	2.771	2.714	2.882	2.892	2.959	3.031	2.889	60- 70	42.23	2002	97.5,97.5
80	0.4157	0.4199	0.4361	0.5452	0.5076	0.4937	0.4837	0.3759	70- 80	16.21	2019	98.3,98.3
90	0	0	0	0	0	0	0	0	80- 90	0.9431	2020	98.3,98.3
100	0	0	0	0	0	0	0	0	90-100	0	2020	98.3,98.3
110	0	0	0	0	0	0	0	0	100-110	0	2020	98.3,98.3
120	0	0	0	0	0	0	0	0	110-120	0	2020	98.3,98.3
130	0.3512	0.3912	0.4299	0.3815	0.1168	0.0778	0.0667	0.0962	120-130	0.6300	2020	98.4,98.4
140	1.342	1.394	1.429	1.359	0.8809	0.8286	0.8103	0.8878	130-140	4.797	2025	98.6,98.6
150	2.229	2.259	2.295	2.261	1.958	1.909	1.888	1.944	140-150	10.15	2035	99.1,99.1
160	2.445	2.409	2.490	2.477	2.446	2.397	2.401	2.358	150-160	10.74	2046	99.6,99.6
170	1.823	1.794	1.873	1.950	1.974	1.980	1.992	1.871	160-170	6.403	2052	99.9,99.9
180	1.444	1.496	1.458	1.507	1.445	1.494	1.459	1.509	170-180	1.623	2054	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT: lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:XYJ
 Test Date:2018-8-9

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: VN-TL0020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	30
80	12256	12801
75	27799	28196
70	42644	40451
65	51764	48074
60	58772	54049
55	63791	59132
50	70627	64209
45	82401	72015

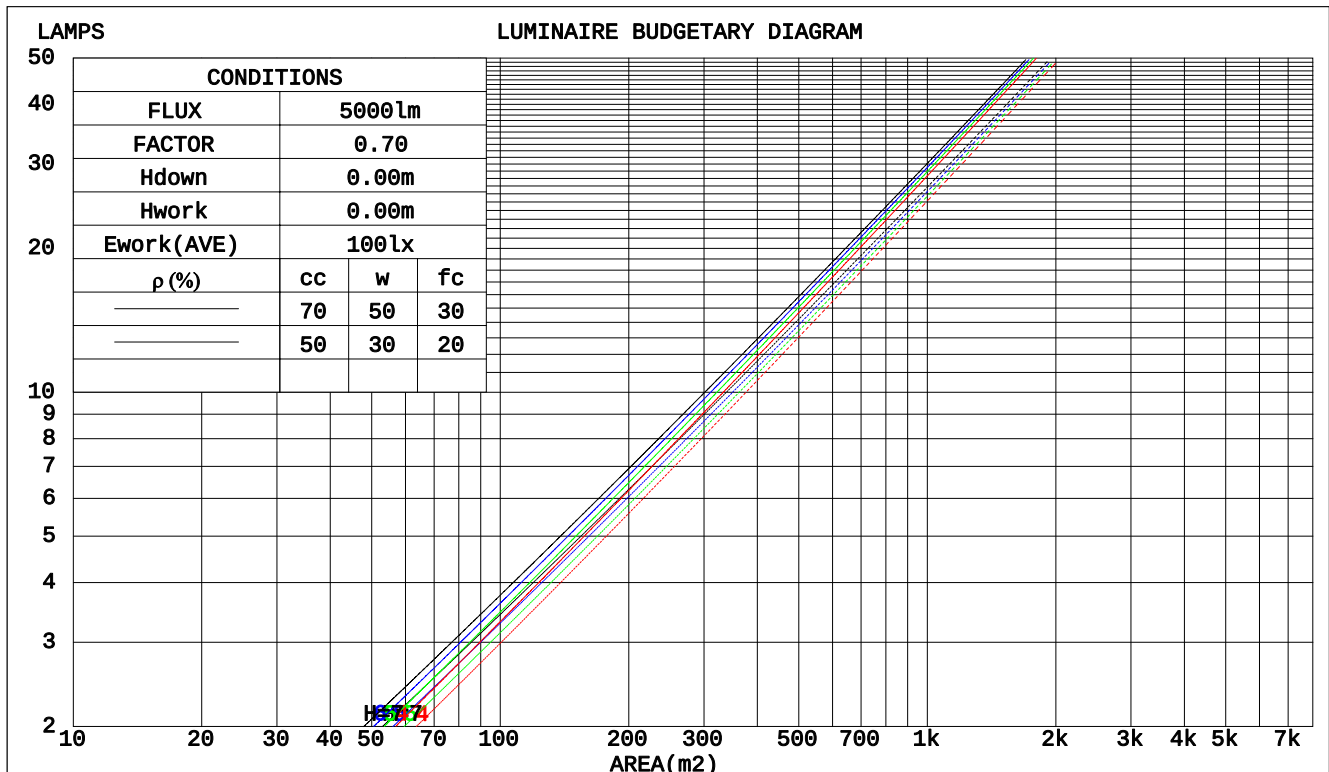
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2018-8-9

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VN-TL0020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	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	1.19	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	.98
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.99	.98	.97	.96	.95	.93
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.97	.95	.96	.94	.92	.93	.92	.90	.89
3.0	.99	.95	.91	.98	.94	.91	.95	.92	.89	.92	.90	.87	.90	.88	.86	.84
4.0	.94	.90	.86	.93	.89	.85	.91	.87	.84	.89	.86	.83	.87	.84	.82	.81
5.0	.90	.85	.82	.89	.85	.81	.87	.83	.80	.85	.82	.80	.84	.81	.79	.77
6.0	.86	.82	.78	.86	.81	.78	.84	.80	.77	.83	.79	.76	.81	.78	.76	.75
7.0	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
8.0	.80	.75	.72	.80	.75	.72	.78	.74	.72	.77	.74	.71	.76	.73	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.69	.75	.72	.69	.74	.71	.69	.68
10.0	.75	.71	.68	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.67	.66



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2018-8-9

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: VN-TL0020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.160	.091	.029	.153	.087	.028	.140	.080	.026	.127	.073	.024	.116	.067	.022		
2.0	.151	.083	.025	.145	.080	.025	.133	.074	.023	.123	.069	.022	.113	.064	.020		
3.0	.141	.075	.022	.136	.073	.022	.126	.068	.021	.117	.064	.020	.109	.060	.019		
4.0	.131	.068	.020	.127	.067	.020	.119	.063	.019	.111	.060	.018	.104	.057	.017		
5.0	.123	.063	.018	.119	.061	.018	.112	.058	.017	.106	.056	.017	.099	.053	.016		
6.0	.116	.058	.017	.113	.057	.016	.106	.055	.016	.101	.052	.015	.095	.050	.015		
7.0	.109	.054	.015	.107	.053	.015	.101	.051	.015	.096	.049	.014	.091	.047	.014		
8.0	.104	.051	.014	.101	.050	.014	.096	.048	.014	.092	.046	.013	.087	.045	.013		
9.0	.098	.048	.013	.096	.047	.013	.092	.045	.013	.088	.044	.013	.084	.043	.012		
10.0	.094	.045	.012	.092	.044	.012	.088	.043	.012	.084	.042	.012	.081	.041	.012		

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						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.203	.203	.203	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022		
1.0	.183	.170	.159	.156	.146	.137	.107	.101	.095	.062	.058	.055	.020	.019	.018		
2.0	.166	.146	.128	.142	.125	.111	.098	.087	.077	.056	.050	.045	.018	.016	.015		
3.0	.153	.126	.106	.131	.109	.092	.090	.076	.064	.052	.044	.038	.017	.014	.012		
4.0	.141	.111	.089	.121	.096	.077	.083	.067	.054	.048	.039	.032	.015	.013	.011		
5.0	.131	.099	.076	.112	.086	.066	.077	.060	.047	.045	.035	.028	.014	.012	.009		
6.0	.122	.090	.066	.105	.078	.058	.073	.054	.041	.042	.032	.024	.014	.010	.008		
7.0	.115	.082	.059	.099	.071	.051	.068	.050	.036	.040	.029	.022	.013	.010	.007		
8.0	.108	.075	.052	.093	.065	.046	.065	.046	.032	.038	.027	.019	.012	.009	.006		
9.0	.103	.070	.047	.088	.060	.041	.061	.042	.029	.036	.025	.017	.012	.008	.006		
10.0	.098	.065	.043	.084	.056	.038	.058	.040	.027	.034	.023	.016	.011	.008	.005		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-8-9

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: VN-TLV020-01 WHITE						TYPE:LED TRACK LIGHT			WEIGHT:		
SPEC.:CRI80 3000K 15D						DIM.:			SERIAL No.:		
MFR.: 1						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		22.0	22.8	22.3	23.0	23.2	21.6	22.3	21.8	22.5	22.7
3H		23.0	23.7	23.2	23.9	24.1	22.5	23.2	22.8	23.5	23.7
4H		23.1	23.8	23.4	24.1	24.3	22.8	23.4	23.1	23.7	23.9
6H		23.2	23.8	23.5	24.1	24.3	22.8	23.4	23.1	23.7	24.0
8H		23.1	23.7	23.4	24.0	24.3	22.7	23.4	23.1	23.6	23.9
12H		23.1	23.7	23.4	24.0	24.3	22.7	23.3	23.0	23.6	23.9
4H	2H	22.4	23.1	22.7	23.3	23.6	22.0	22.7	22.3	23.0	23.2
	3H	23.5	24.1	23.8	24.4	24.7	23.1	23.7	23.5	24.0	24.3
	4H	23.7	24.2	24.1	24.6	24.9	23.4	23.9	23.8	24.3	24.6
	6H	23.7	24.2	24.1	24.6	24.9	23.4	23.9	23.8	24.3	24.7
	8H	23.7	24.1	24.1	24.5	24.9	23.4	23.8	23.8	24.2	24.6
	12H	23.6	24.0	24.1	24.4	24.9	23.3	23.7	23.8	24.1	24.6
8H	4H	23.7	24.2	24.1	24.5	24.9	23.4	23.9	23.8	24.2	24.6
	6H	23.7	24.1	24.2	24.5	25.0	23.5	23.8	23.9	24.3	24.7
	8H	23.7	24.0	24.2	24.5	24.9	23.4	23.8	23.9	24.2	24.7
	12H	23.6	23.9	24.1	24.4	24.9	23.4	23.6	23.9	24.1	24.6
12H	4H	23.7	24.1	24.1	24.5	24.9	23.4	23.8	23.8	24.2	24.6
	6H	23.7	24.0	24.2	24.5	24.9	23.4	23.7	23.9	24.2	24.7
	8H	23.6	23.9	24.1	24.4	24.9	23.4	23.7	23.9	24.1	24.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.6					+ 0.4 / - 0.6				
1.5H		+ 0.6 / - 0.4					+ 0.3 / - 0.4				
2.0H		+ 0.6 / - 0.6					+ 0.5 / - 0.5				

CIE Pub.117, 2054 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.5$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-8-9

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: VN-TLV020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

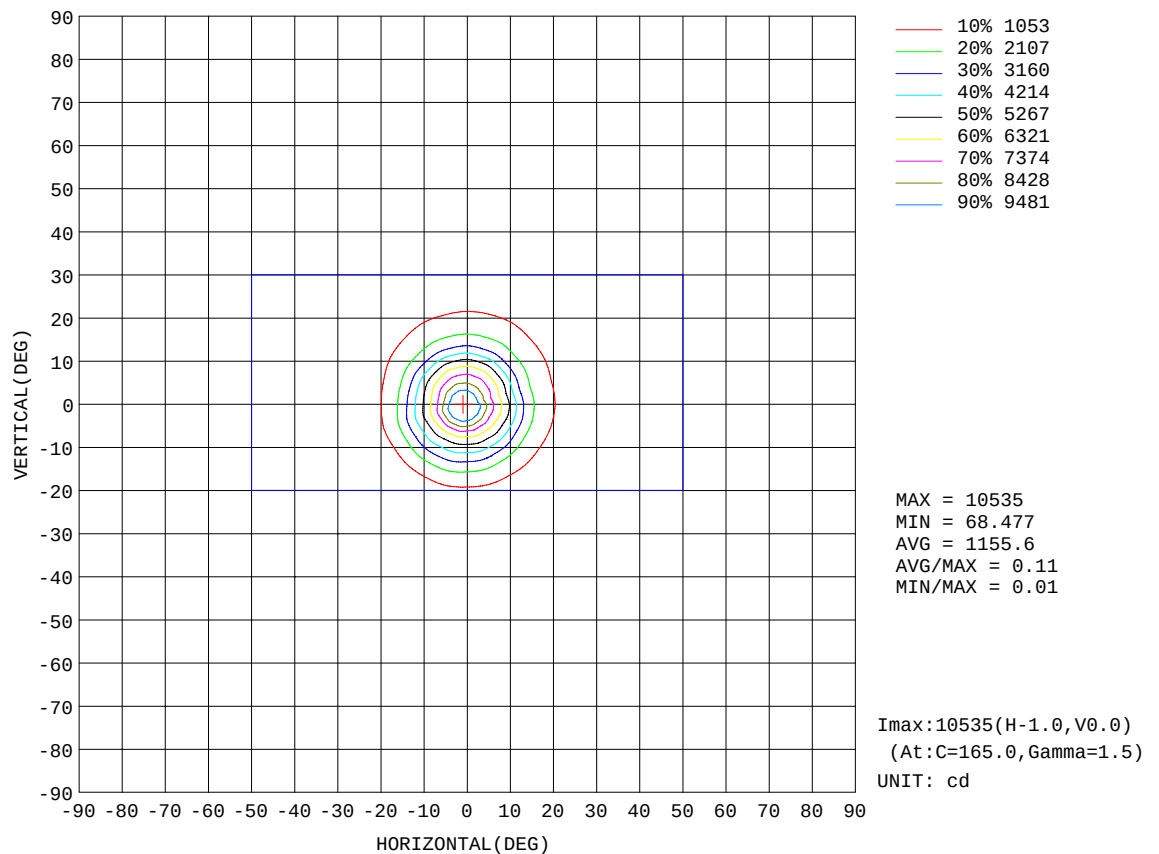
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	84	77	73	84	77	73	83	77	73	69
0.80	92	85	81	91	85	81	90	84	81	77
1.00	97	90	86	96	90	86	94	90	85	81
1.25	101	95	91	100	94	91	97	93	90	85
1.50	104	98	95	102	98	94	100	96	93	88
2.00	107	102	99	105	101	98	102	99	96	90
2.50	109	105	101	107	103	100	103	101	98	92
3.00	110	107	104	108	105	103	105	102	100	93
4.00	113	110	107	110	108	106	107	104	103	95
5.00	114	112	110	112	110	108	107	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2018-8-9

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: VN-TLV020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

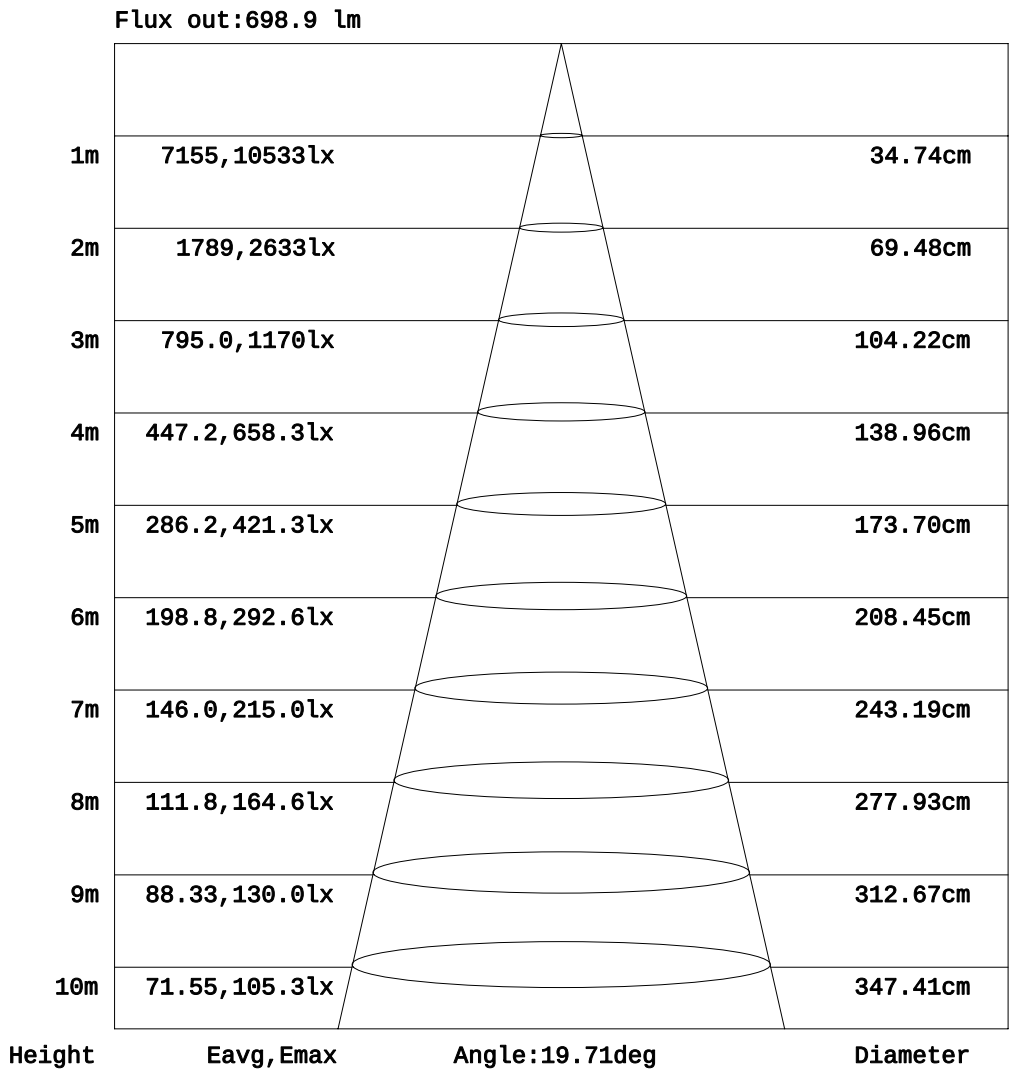


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-8-9

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

AAI Figure

NAME: VN-TL0020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



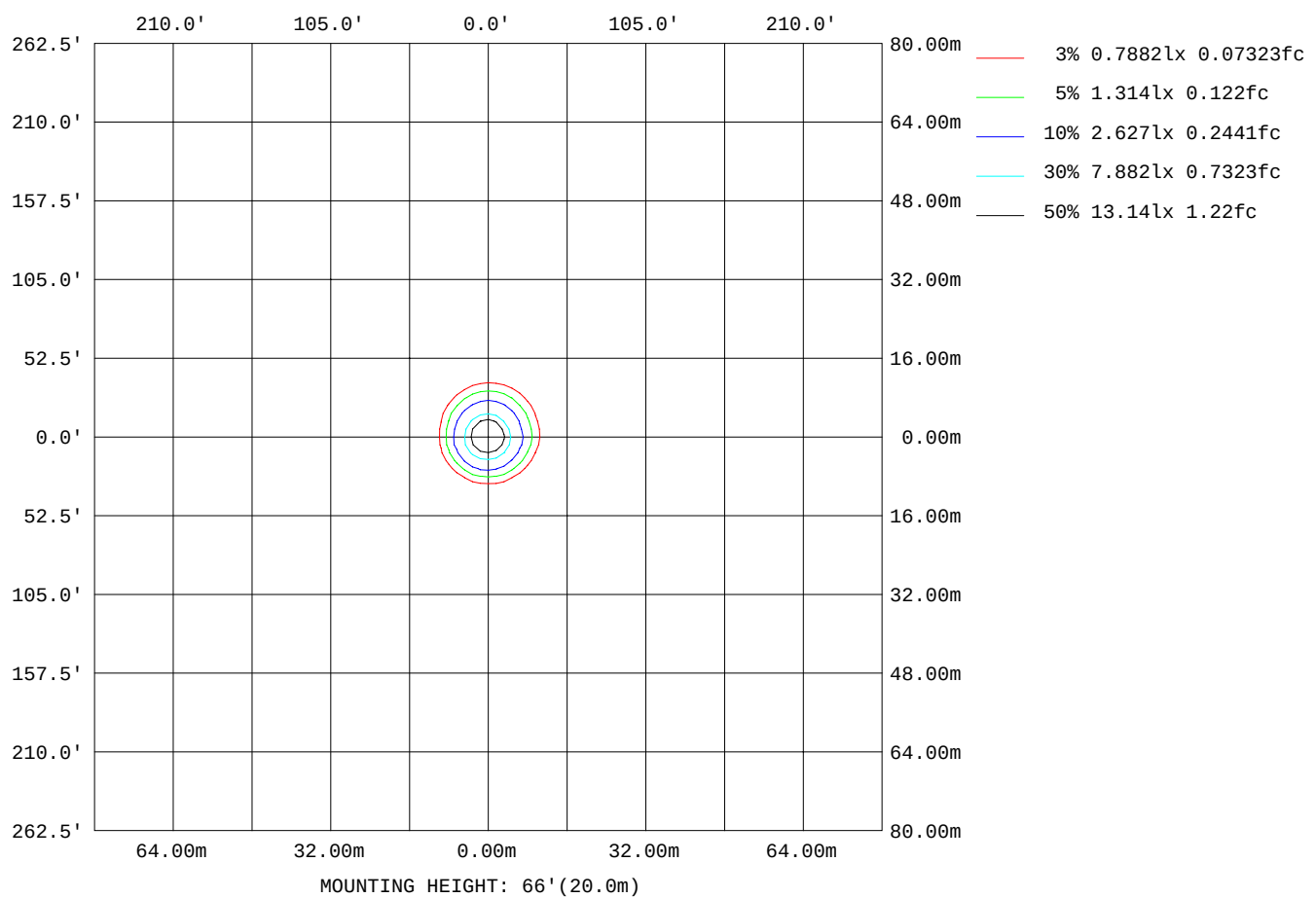
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2018-8-9

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: VN-TLV020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 23DEG
Operators: XYJ
Test Date: 2018-8-9

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.300m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: VN-TLV020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

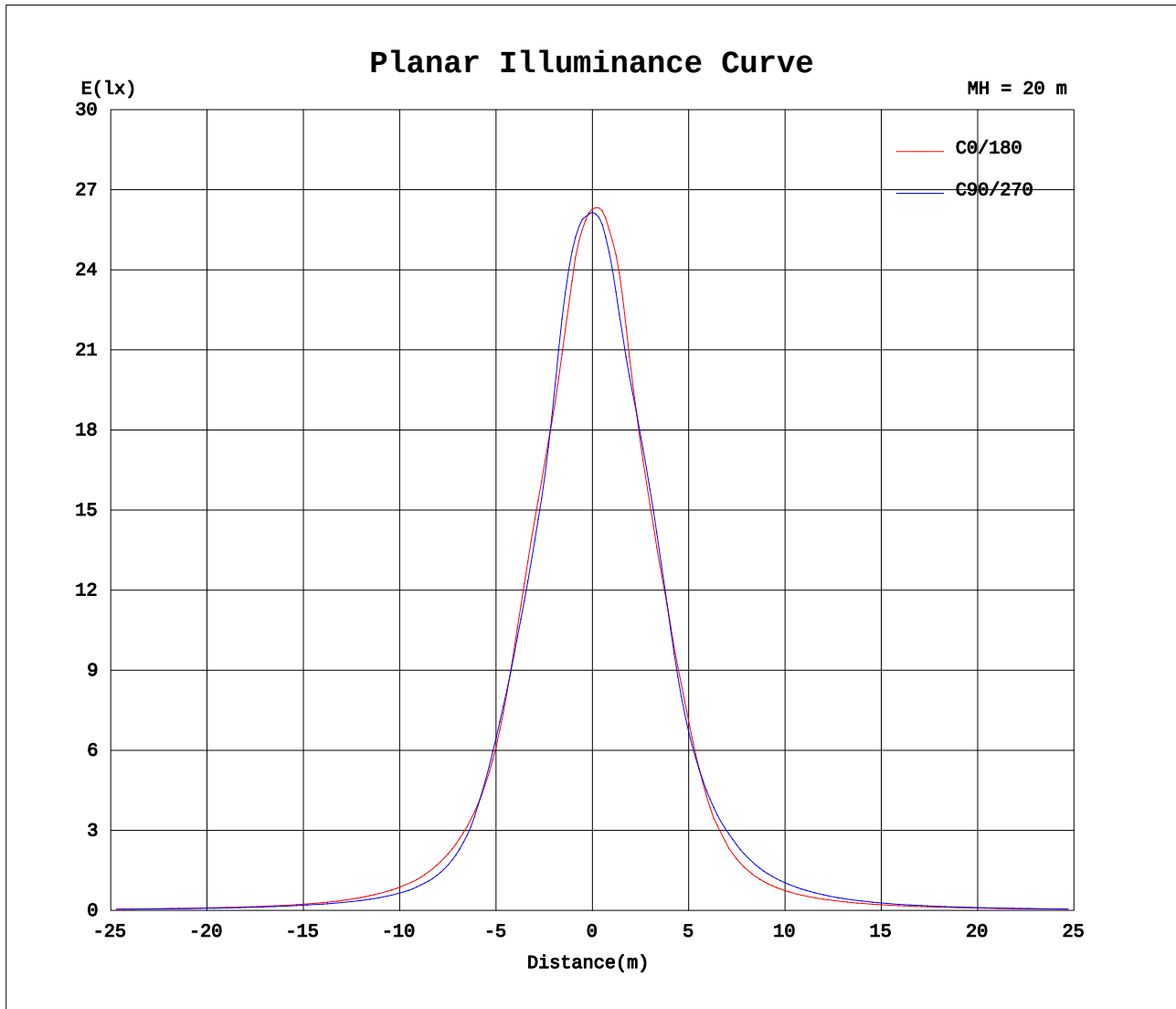
AvgL	cd/m2
L_0~180(65)av	51395
L_0~180(75)av	29033
L_0~180(85)av	268
L_90~270(65)av	51464
L_90~270(75)av	29083
L_90~270(85)av	15
L_45(65)av	51428
L_45(75)av	28953
L_45(85)av	435

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-8-9

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_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: 2018-8-9

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VN-TL0020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1046	1046	1046	1046	1046	1046	1046	1046	1046	1046	1046	1046	1046	1046	1046	1046	1046	1046	1046
5	803	809	796	814	814	841	849	883	885	917	911	932	881	866	875	856	862	841	838
10	511	512	491	497	481	493	486	500	503	528	532	563	536	540	559	552	563	551	554
15	228	229	219	227	225	237	239	256	258	276	273	289	260	256	262	254	258	250	254
20	110	106	97.5	95.3	90.5	92.6	91.1	95.6	94.4	98.5	99.3	108	103	106	117	120	127	125	129
25	57.9	55.1	50.7	47.7	44.8	45.3	43.8	45.1	44.7	47.3	48.8	51.9	50.0	53.2	58.6	61.7	66.2	67.0	69.1
30	34.3	31.9	29.1	28.0	26.6	26.7	26.2	26.9	26.8	28.0	28.5	30.3	29.4	30.7	33.7	35.7	38.2	39.6	41.1
35	21.5	20.3	18.9	18.4	17.7	17.8	17.8	18.2	18.2	18.9	19.1	19.9	19.5	20.1	21.4	22.5	24.1	24.8	26.0
40	15.1	14.2	13.6	13.3	13.0	12.9	12.8	13.1	13.1	13.5	13.8	14.3	14.0	14.2	15.0	15.6	16.5	16.9	17.6
45	11.4	10.9	10.5	10.4	10.1	10.0	9.99	10.2	10.2	10.4	10.5	10.8	10.7	10.9	11.3	11.7	12.2	12.4	12.8
50	8.87	8.64	8.44	8.33	8.16	8.12	8.10	8.23	8.32	8.42	8.47	8.67	8.57	8.68	8.98	9.18	9.46	9.50	9.76
55	7.15	7.04	6.92	6.83	6.70	6.68	6.65	6.74	6.77	6.88	6.88	7.00	6.94	7.04	7.25	7.38	7.54	7.59	7.74
60	5.74	5.67	5.54	5.48	5.36	5.36	5.30	5.40	5.43	5.50	5.54	5.65	5.60	5.67	5.84	5.90	6.05	6.07	6.19
65	4.27	4.22	4.12	4.10	4.01	4.04	3.99	4.07	4.08	4.16	4.20	4.32	4.25	4.30	4.41	4.41	4.49	4.47	4.55
70	2.85	2.83	2.76	2.77	2.71	2.75	2.71	2.79	2.79	2.88	2.90	3.00	2.89	2.90	2.98	2.96	3.02	2.99	3.03
75	1.41	1.43	1.38	1.42	1.39	1.44	1.43	1.50	1.50	1.57	1.58	1.67	1.54	1.52	1.57	1.53	1.56	1.50	1.52
80	0.42	0.43	0.39	0.42	0.40	0.44	0.44	0.49	0.49	0.55	0.55	0.61	0.51	0.49	0.52	0.49	0.51	0.47	0.48
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.03	0.05	0.01	0.00	0.01	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	0.07	0.08	0.10	0.10	0.12	0.13	0.14	0.13	0.13	0.11	0.10	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.35	0.36	0.39	0.39	0.42	0.41	0.43	0.41	0.41	0.38	0.37	0.34	0.12	0.11	0.08	0.08	0.07	0.07	0.07
135	0.79	0.80	0.84	0.84	0.87	0.86	0.88	0.85	0.85	0.81	0.80	0.75	0.42	0.40	0.37	0.37	0.35	0.36	0.35
140	1.34	1.35	1.39	1.39	1.42	1.41	1.43	1.40	1.40	1.36	1.34	1.29	0.88	0.86	0.83	0.83	0.80	0.82	0.81
145	1.85	1.86	1.89	1.90	1.92	1.92	1.93	1.92	1.91	1.88	1.86	1.83	1.45	1.43	1.39	1.39	1.36	1.38	1.37
150	2.23	2.23	2.25	2.26	2.28	2.28	2.30	2.28	2.28	2.26	2.25	2.23	1.96	1.94	1.91	1.91	1.88	1.90	1.89
155	2.43	2.43	2.43	2.43	2.45	2.48	2.49	2.49	2.47	2.47	2.47	2.47	2.31	2.30	2.28	2.26	2.25	2.26	2.26
160	2.44	2.43	2.41	2.41	2.43	2.47	2.49	2.50	2.47	2.48	2.49	2.53	2.45	2.43	2.41	2.40	2.40	2.40	2.40
165	2.22	2.21	2.16	2.17	2.21	2.24	2.26	2.28	2.28	2.29	2.31	2.37	2.30	2.30	2.29	2.29	2.32	2.32	2.31
170	1.82	1.81	1.79	1.79	1.81	1.85	1.87	1.91	1.91	1.95	1.99	2.03	1.97	1.99	2.00	1.98	1.99	2.00	1.99
175	1.48	1.49	1.48	1.52	1.53	1.54	1.55	1.59	1.61	1.65	1.67	1.69	1.62	1.64	1.68	1.69	1.68	1.66	1.64
180	1.44	1.45	1.46	1.50	1.47	1.46	1.46	1.45	1.47	1.51	1.49	1.49	1.45	1.45	1.47	1.49	1.47	1.46	1.46

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 23DEG
Operators: XYJ
Test Date: 2018-8-9

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VN-TLV020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 15D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1046	1046	1046	1046	1046														
5	820	816	799	796	776														
10	538	537	514	509	484														
15	246	246	234	228	215														
20	126	127	119	116	108														
25	69.1	69.0	65.2	63.2	58.8														
30	41.5	41.5	39.4	38.0	35.0														
35	26.0	26.0	24.8	23.8	22.1														
40	17.7	17.6	16.8	16.4	15.4														
45	12.9	12.8	12.4	12.1	11.5														
50	9.68	9.68	9.38	9.19	8.83														
55	7.69	7.70	7.51	7.40	7.16														
60	6.21	6.21	6.02	5.95	5.73														
65	4.54	4.55	4.40	4.34	4.18														
70	2.98	3.00	2.89	2.86	2.73														
75	1.45	1.45	1.37	1.36	1.28														
80	0.43	0.43	0.38	0.37	0.32														
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	0.08	0.08	0.10	0.10	0.12														
135	0.37	0.38	0.41	0.42	0.45														
140	0.84	0.84	0.89	0.90	0.95														
145	1.40	1.40	1.45	1.46	1.51														
150	1.91	1.91	1.94	1.96	2.00														
155	2.26	2.25	2.27	2.28	2.31														
160	2.39	2.37	2.36	2.36	2.38														
165	2.29	2.26	2.21	2.19	2.19														
170	1.95	1.92	1.87	1.86	1.82														
175	1.62	1.61	1.58	1.53	1.52														
180	1.45	1.47	1.51	1.49	1.49														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-8-9

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks: