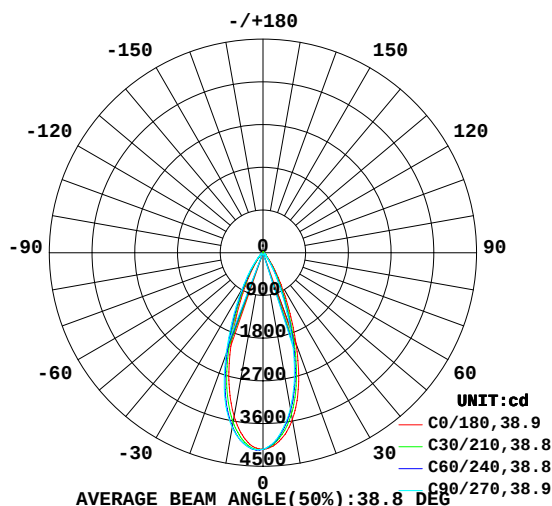


LUMINAIRE PHOTOMETRIC TEST REPORT

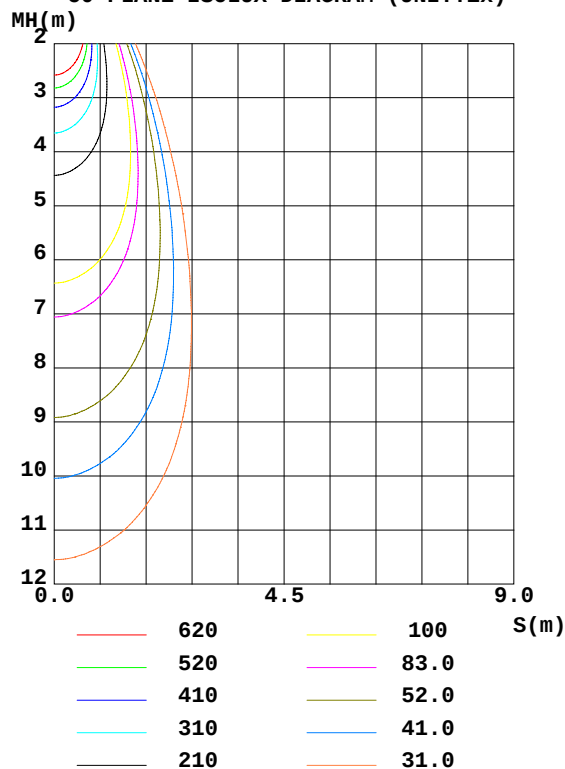
NAME: VN-TL020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 40D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.72 lm/W			
MODEL	CXA1820	Imax(cd)	4161	S/MH(C0/180)	0.62
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.67
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2134.5	η UP, DN(C0-180)	1.0, 45.1
NOMINAL FLUX(lm)	2134.47	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.7, 53.2
LAMPS INSIDE	1	η up(%)	1.7	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	98.3	CIBSE SHR MAX	0.65

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:

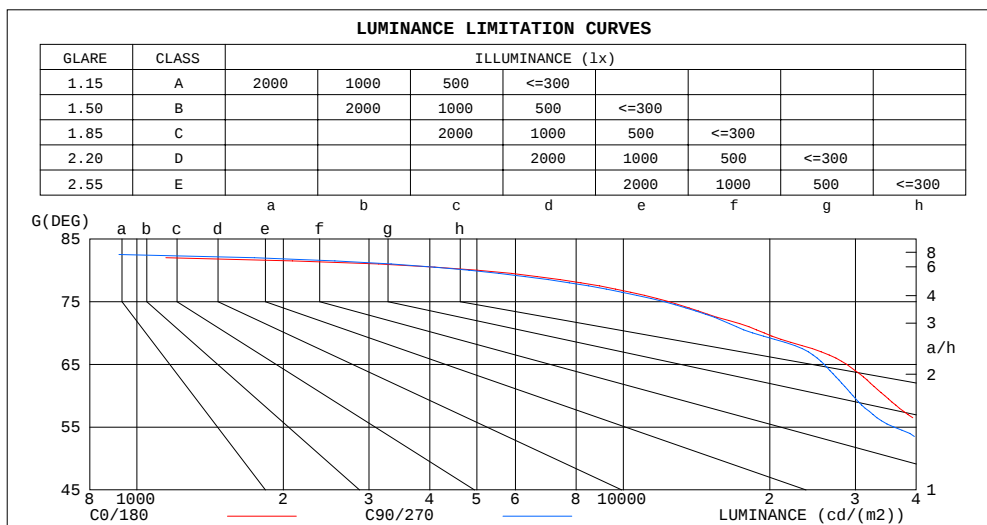
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3563	3423	3324	3409	3504	3657	3737	3663	0- 10	365.7	365.7	17.1, 17.1
20	2035	1822	1679	1798	1910	2106	2278	2188	10- 20	773.1	1139	53.4, 53.4
30	729.2	583.9	515.4	570.0	625.0	741.2	881.1	848.9	20- 30	560.7	1699	79.6, 79.6
40	212.6	147.9	123.0	135.2	159.8	205.8	264.9	263.9	30- 40	239.1	1939	90.8, 90.8
50	73.51	58.74	56.29	58.37	61.64	71.39	83.63	83.95	40- 50	86.35	2025	94.9, 94.9
60	33.84	30.25	29.09	30.79	31.74	33.98	37.86	36.83	50- 60	42.88	2068	96.9, 96.9
70	13.08	12.30	12.38	13.86	13.63	14.03	14.35	13.49	60- 70	23.24	2091	98.98
80	1.705	1.613	1.642	2.134	2.012	2.125	2.186	1.574	70- 80	7.263	2098	98.3, 98.3
90	0	0	0	0	0	0	0	0	80- 90	0.2879	2099	98.3, 98.3
100	0	0	0	0	0	0	0	0	90-100	0	2099	98.3, 98.3
110	0	0	0	0	0	0	0	0	100-110	0	2099	98.3, 98.3
120	0.3980	0.9581	1.563	1.409	0	0	0	0	110-120	0.0947	2099	98.3, 98.3
130	5.370	6.336	7.234	6.908	3.708	2.746	2.289	2.635	120-130	1.971	2101	98.4, 98.4
140	12.65	13.82	14.80	14.44	10.50	9.272	8.613	9.124	130-140	6.136	2107	98.7, 98.7
150	19.80	20.67	21.60	21.28	17.96	16.81	16.23	16.58	140-150	9.577	2116	99.2, 99.2
160	23.02	22.94	23.83	23.68	22.13	21.50	21.43	21.23	150-160	9.728	2126	99.6, 99.6
170	21.46	21.29	21.89	22.30	21.57	21.73	21.88	21.58	160-170	6.342	2132	99.9, 99.9
180	21.63	22.00	21.79	22.30	21.63	22.00	21.79	22.32	170-180	2.068	2134	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: 2018-8-9

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-TL020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 40D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	5002	4819
75	12391	12117
70	19478	18447
65	28777	25862
60	34469	29648
55	42520	35999
50	58250	44629
45	84308	55146

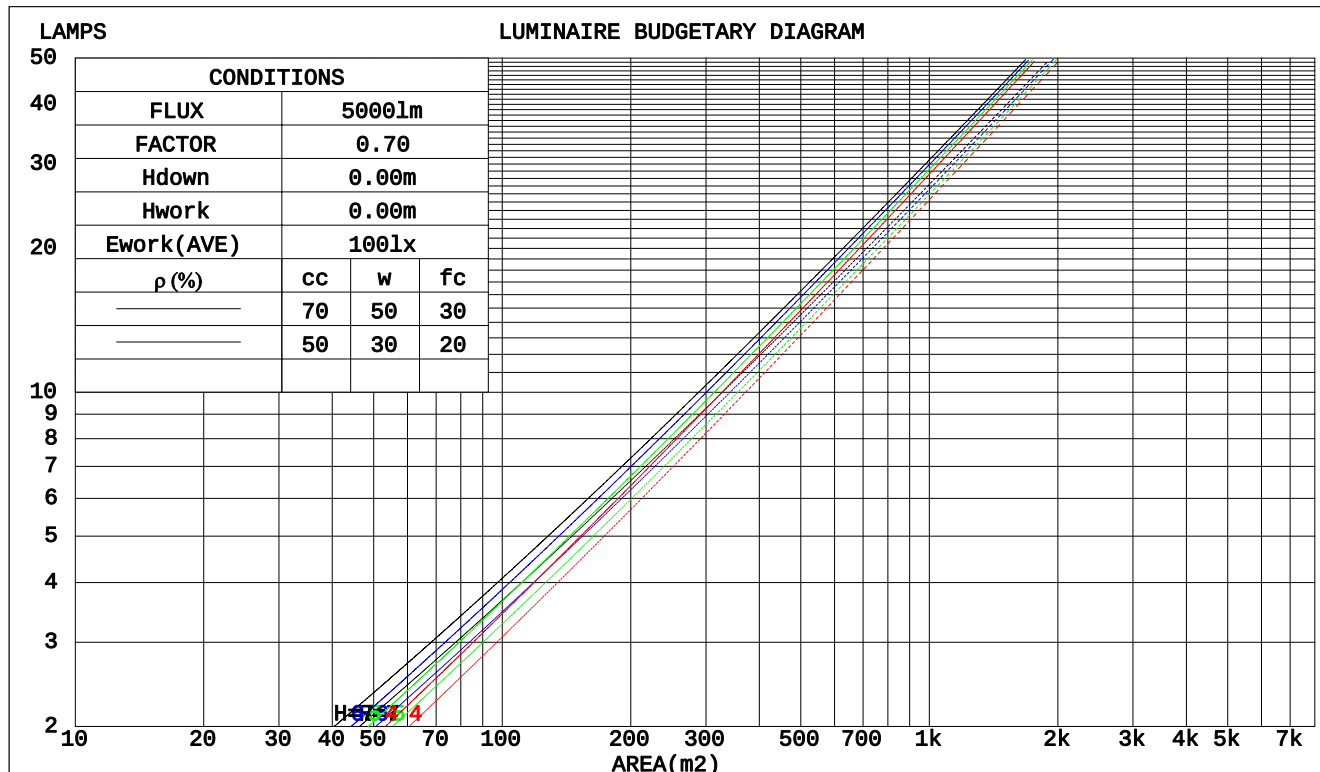
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2018-8-9

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-TL020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 40D	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	1.00	1.00	1.00	.98
1.0	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.96	.95	.95	.93
2.0	1.04	.90	.97	1.02	.98	.96	.98	.96	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.90	.88	.85	.88	.86	.84	.82
4.0	.92	.87	.83	.91	.86	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.77
5.0	.87	.81	.77	.86	.81	.77	.84	.79	.76	.82	.78	.75	.80	.77	.75	.73
6.0	.82	.77	.73	.81	.76	.73	.80	.75	.72	.78	.74	.71	.77	.73	.71	.69
7.0	.78	.73	.69	.77	.72	.69	.76	.71	.68	.75	.71	.68	.74	.70	.67	.66
8.0	.74	.69	.65	.74	.69	.65	.73	.68	.65	.72	.67	.64	.70	.67	.64	.63
9.0	.71	.66	.62	.70	.65	.62	.69	.65	.62	.69	.64	.61	.68	.64	.61	.60
10.0	.68	.63	.59	.67	.62	.59	.67	.62	.59	.66	.62	.59	.65	.61	.58	.57



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:

WEC AND CCEC

NAME: VN-TL020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 40D	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	.169	.096	.031	.162	.092	.029	.149	.085	.027	.136	.079	.025	.125	.072	.023		
2.0	.161	.088	.027	.155	.085	.026	.143	.080	.025	.133	.074	.023	.123	.070	.022		
3.0	.152	.081	.024	.147	.079	.024	.137	.074	.023	.128	.070	.022	.120	.066	.020		
4.0	.144	.075	.022	.139	.073	.022	.131	.069	.021	.123	.066	.020	.116	.063	.019		
5.0	.136	.069	.020	.132	.068	.020	.125	.065	.019	.118	.062	.019	.112	.060	.018		
6.0	.129	.065	.019	.126	.064	.018	.119	.061	.018	.113	.059	.017	.108	.057	.017		
7.0	.123	.061	.017	.120	.060	.017	.114	.058	.017	.109	.056	.016	.104	.054	.016		
8.0	.118	.057	.016	.115	.057	.016	.110	.055	.016	.105	.053	.015	.100	.052	.015		
9.0	.112	.054	.015	.110	.054	.015	.105	.052	.015	.101	.051	.014	.097	.049	.014		
10.0	.108	.052	.014	.105	.051	.014	.101	.050	.014	.097	.048	.014	.094	.047	.014		

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	.184	.170	.158	.157	.146	.136	.107	.101	.094	.062	.058	.055	.020	.019	.018	
2.0	.168	.146	.127	.144	.125	.110	.098	.087	.077	.057	.050	.045	.018	.016	.015	
3.0	.155	.127	.104	.133	.109	.090	.091	.076	.063	.053	.044	.037	.017	.014	.012	
4.0	.144	.112	.087	.124	.097	.076	.085	.067	.053	.049	.039	.032	.016	.013	.010	
5.0	.135	.100	.074	.116	.087	.065	.080	.060	.046	.046	.035	.027	.015	.012	.009	
6.0	.127	.091	.064	.109	.078	.056	.075	.055	.040	.044	.032	.024	.014	.011	.008	
7.0	.120	.083	.057	.103	.072	.049	.071	.050	.035	.041	.030	.021	.013	.010	.007	
8.0	.114	.077	.051	.098	.066	.044	.068	.047	.031	.040	.027	.019	.013	.009	.006	
9.0	.109	.071	.046	.094	.062	.040	.065	.043	.028	.038	.026	.017	.012	.008	.006	
10.0	.104	.067	.042	.090	.058	.036	.062	.041	.026	.036	.024	.015	.012	.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-TL020-01 WHITE						TYPE:LED TRACK LIGHT			WEIGHT:		
SPEC.:CRI80 3000K 40D						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		21.6	22.5	21.9	22.7	22.8	20.1	20.9	20.3	21.1	21.3
3H		21.8	22.6	22.0	22.8	23.0	20.4	21.1	20.6	21.4	21.6
4H		21.8	22.5	22.1	22.7	23.0	20.4	21.1	20.7	21.4	21.6
6H		21.7	22.4	22.0	22.7	22.9	20.3	21.0	20.6	21.3	21.6
8H		21.6	22.3	22.0	22.6	22.9	20.3	20.9	20.6	21.2	21.5
12H		21.6	22.2	21.9	22.5	22.8	20.2	20.9	20.6	21.2	21.5
4H	2H	21.6	22.3	21.9	22.6	22.8	20.1	20.9	20.4	21.1	21.4
	3H	21.8	22.4	22.1	22.7	23.0	20.5	21.2	20.9	21.5	21.8
	4H	21.8	22.4	22.2	22.7	23.0	20.6	21.1	20.9	21.5	21.8
	6H	21.7	22.2	22.1	22.6	23.0	20.5	21.0	20.9	21.4	21.8
	8H	21.7	22.2	22.1	22.5	22.9	20.5	20.9	20.9	21.3	21.7
	12H	21.6	22.1	22.1	22.5	22.9	20.4	20.8	20.8	21.2	21.7
8H	4H	21.7	22.2	22.1	22.6	23.0	20.5	21.0	20.9	21.3	21.7
	6H	21.6	22.0	22.1	22.4	22.9	20.4	20.8	20.9	21.2	21.7
	8H	21.6	21.9	22.0	22.4	22.8	20.4	20.7	20.8	21.2	21.6
	12H	21.5	21.8	22.0	22.3	22.8	20.3	20.6	20.8	21.1	21.6
12H	4H	21.6	22.1	22.1	22.5	22.9	20.4	20.9	20.9	21.3	21.7
	6H	21.6	21.9	22.0	22.4	22.8	20.4	20.7	20.8	21.2	21.6
	8H	21.5	21.8	22.0	22.3	22.8	20.3	20.6	20.8	21.1	21.6
Variations with the observer position at spacings:											
S = 1.0H		+ 2.6 / - 2.7					+ 1.4 / - 1.9				
1.5H		+ 4.2 / - 2.5					+ 2.3 / - 1.3				
2.0H		+ 3.2 / - 1.6					+ 1.5 / - 1.2				

CIE Pub.117, 2134 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.6$)

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-TL020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 40D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

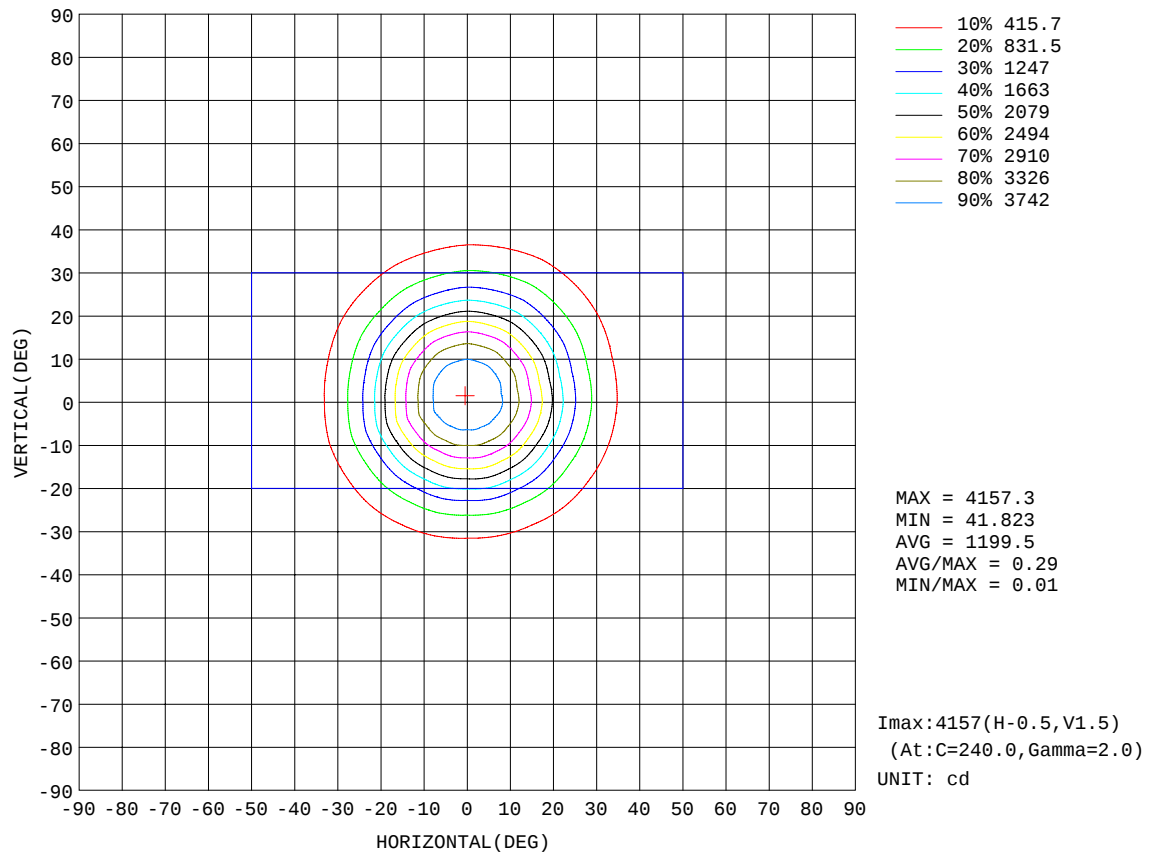
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	86	79	75	85	79	75	84	79	75	71
0.80	93	87	83	93	87	83	91	86	83	79
1.00	98	92	88	97	92	88	95	91	87	83
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	96	103	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	105	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										
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-TL020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 40D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

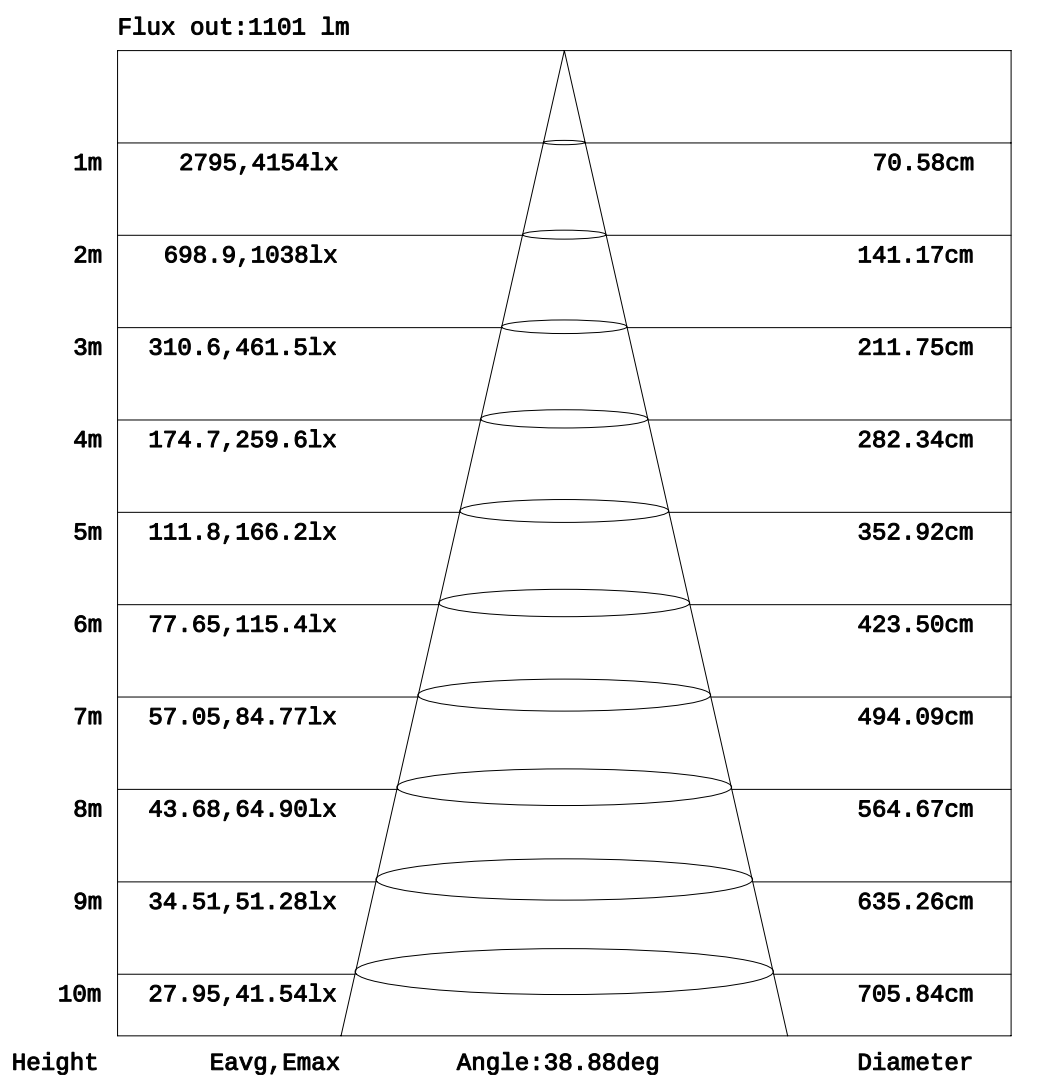


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2018-8-9

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-TL020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 40D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



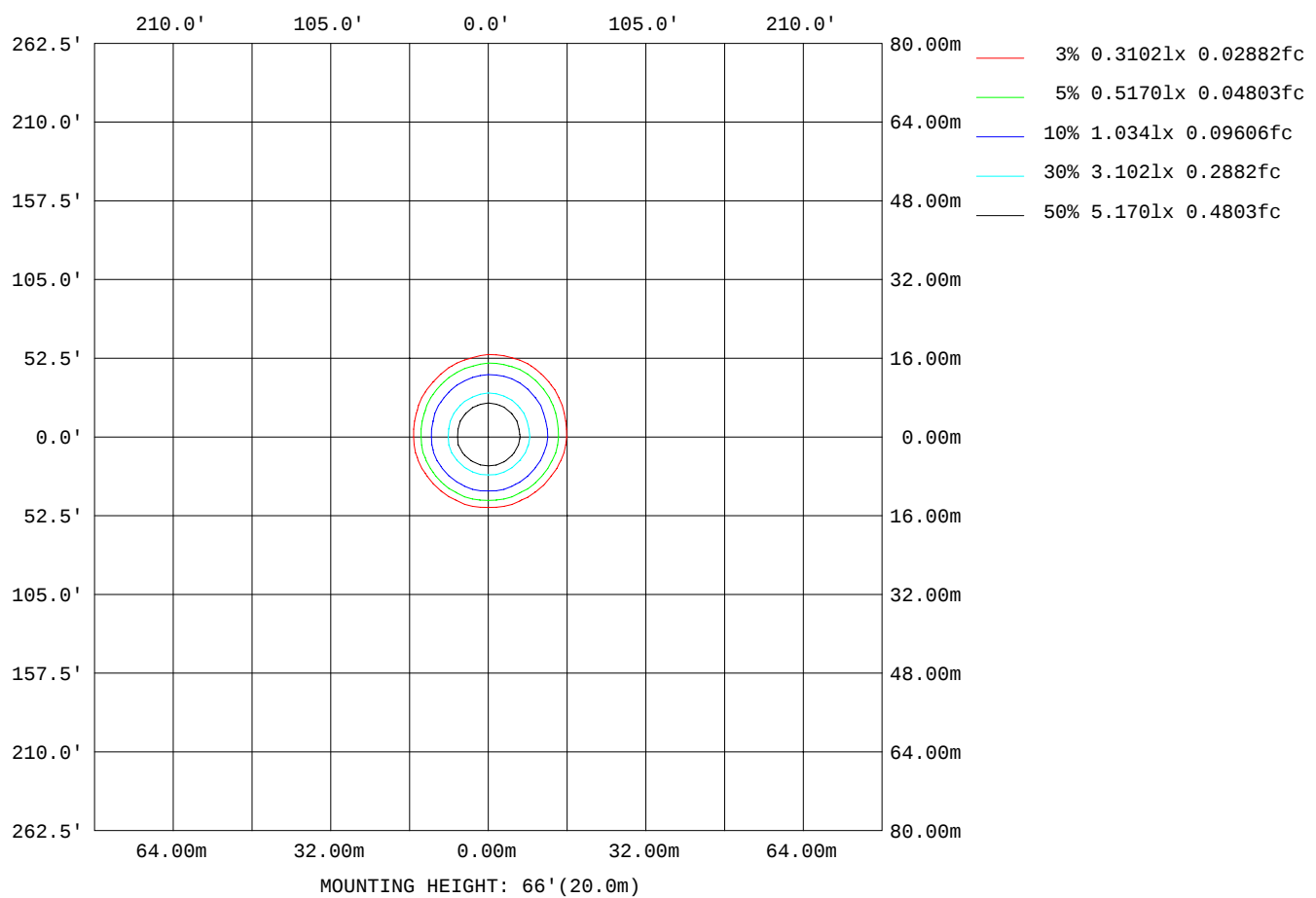
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-TL020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 40D	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-TL020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 40D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

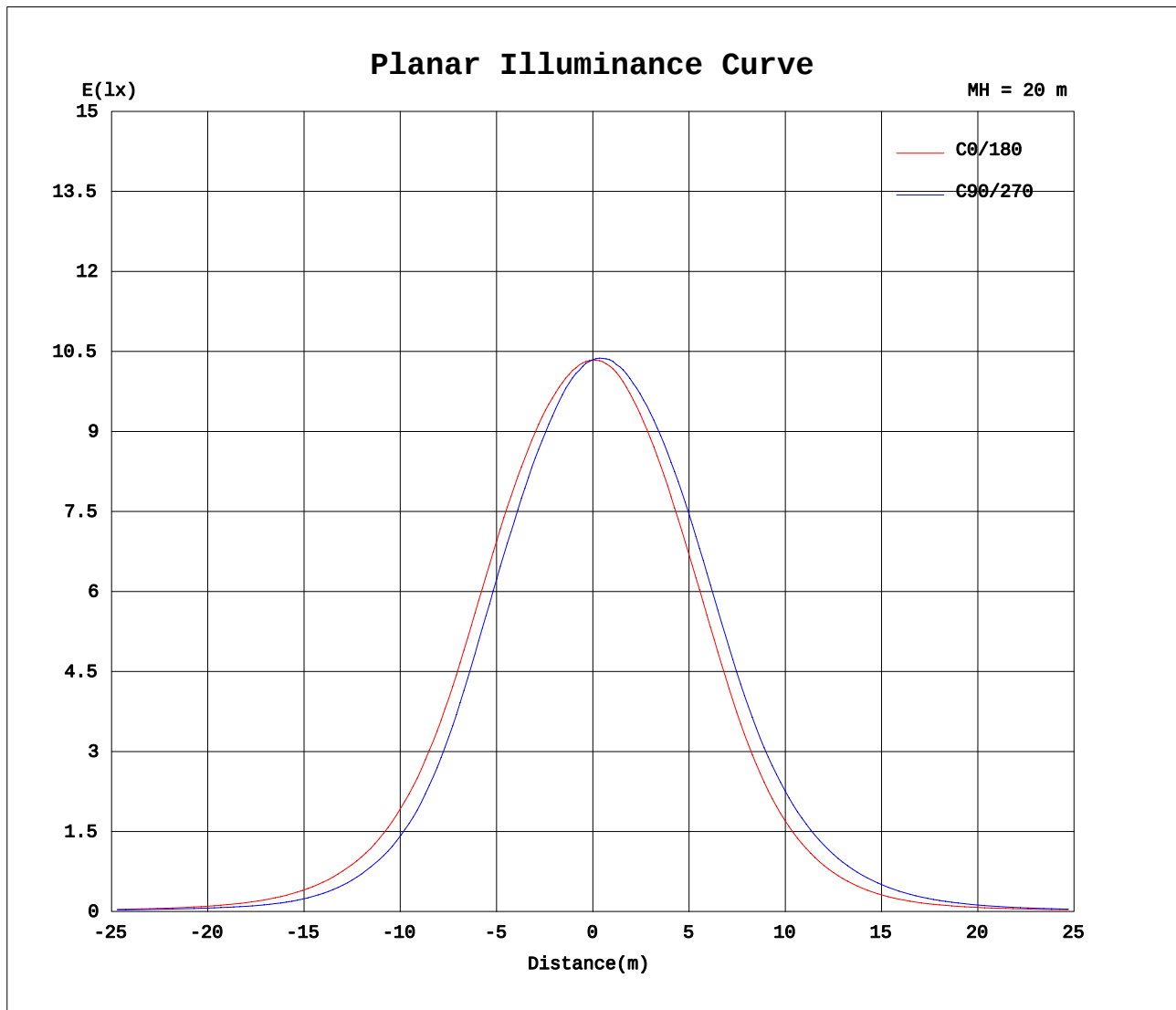
AvgL	cd/m2
L_0~180(65)av	28375
L_0~180(75)av	12928
L_0~180(85)av	0
L_90~270(65)av	28998
L_90~270(75)av	12926
L_90~270(85)av	0
L_45(65)av	28655
L_45(75)av	12849
L_45(85)av	0

Standard: GB/T 29293-2012

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

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-TL020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 40D	DIM.:	SERIAL No.:
MFR.: 1	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	4138	4138	4138	4138	4138	4138	4138	4138	4138	4138	4138	4138	4138	4138	4138	4138	4138	4138	4138
5	3980	3960	3925	3913	3887	3888	3869	3895	3897	3925	3944	3995	3978	3995	4040	4052	4076	4071	4079
10	3563	3520	3453	3423	3365	3357	3324	3356	3350	3409	3438	3527	3504	3547	3627	3657	3713	3713	3737
15	2892	2828	2729	2697	2618	2613	2562	2595	2592	2667	2710	2813	2781	2839	2951	2989	3072	3082	3122
20	2035	1967	1860	1822	1743	1734	1679	1717	1717	1798	1839	1946	1910	1965	2076	2106	2202	2217	2278
25	1266	1199	1107	1075	1004	994	953	987	993	1050	1077	1160	1138	1183	1273	1302	1388	1407	1468
30	729	680	613	584	542	527	515	532	536	570	587	635	625	654	713	741	803	830	881
35	404	368	323	297	267	258	250	259	261	279	291	323	319	341	381	401	441	463	497
40	213	188	163	148	132	130	123	127	127	135	143	159	160	171	192	206	227	241	265
45	117	104	91.6	84.2	79.0	77.9	76.5	77.6	77.5	80.7	83.7	90.1	90.0	94.5	105	113	124	129	141
50	73.5	66.9	61.4	58.7	56.9	56.7	56.3	57.1	57.3	58.4	59.6	62.4	61.6	63.5	67.6	71.4	76.5	78.9	83.6
55	47.9	44.6	42.0	41.4	40.4	40.5	40.5	42.3	42.8	44.2	44.9	46.5	44.7	44.7	46.3	48.0	50.8	52.1	54.2
60	33.8	32.0	30.6	30.2	29.5	29.4	29.1	29.8	30.1	30.8	31.3	32.4	31.7	32.0	32.9	34.0	35.9	36.6	37.9
65	23.9	23.0	22.2	22.0	21.5	21.7	21.4	22.1	22.3	22.9	23.2	23.8	23.2	23.4	24.1	24.7	25.8	25.9	26.7
70	13.1	12.8	12.3	12.3	12.0	12.4	12.4	13.1	13.2	13.9	14.0	14.8	13.6	13.6	14.2	14.0	14.4	14.0	14.4
75	6.30	6.28	6.01	6.08	5.93	6.17	6.15	6.51	6.54	6.97	7.05	7.46	6.84	6.75	7.04	6.89	7.12	6.87	6.98
80	1.71	1.71	1.54	1.61	1.50	1.67	1.64	1.86	1.89	2.13	2.20	2.45	2.01	2.00	2.19	2.13	2.27	2.14	2.19
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	0.40	0.54	0.82	0.96	1.24	1.35	1.56	1.54	1.59	1.41	1.30	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	2.52	2.73	3.09	3.30	3.65	3.79	4.05	4.02	4.06	3.82	3.66	3.26	1.27	1.03	0.71	0.54	0.33	0.29	0.21
130	5.37	5.62	6.10	6.34	6.78	6.94	7.23	7.16	7.22	6.91	6.74	6.24	3.71	3.39	2.98	2.75	2.47	2.40	2.29
135	8.84	9.12	9.67	9.94	10.4	10.6	10.9	10.8	10.9	10.5	10.4	9.81	6.85	6.48	5.98	5.71	5.36	5.28	5.13
140	12.7	13.0	13.5	13.8	14.3	14.5	14.8	14.7	14.8	14.4	14.2	13.7	10.5	10.1	9.57	9.27	8.88	8.81	8.61
145	16.5	16.7	17.3	17.6	18.0	18.2	18.5	18.5	18.5	18.2	18.0	17.5	14.3	14.0	13.4	13.1	12.7	12.6	12.5
150	19.8	20.0	20.4	20.7	21.1	21.3	21.6	21.5	21.5	21.3	21.2	20.9	18.0	17.6	17.1	16.8	16.5	16.4	16.2
155	22.1	22.2	22.4	22.6	22.9	23.2	23.5	23.5	23.3	23.2	23.2	23.1	20.7	20.4	20.0	19.8	19.5	19.5	19.4
160	23.0	22.9	22.9	22.9	23.2	23.6	23.8	23.8	23.7	23.7	23.8	24.1	22.1	22.0	21.7	21.5	21.4	21.5	21.4
165	22.5	22.3	22.1	22.2	22.6	22.8	23.0	23.1	23.1	23.1	23.3	23.6	22.1	22.2	22.0	22.0	22.1	22.1	22.2
170	21.5	21.3	21.2	21.3	21.5	21.7	21.9	22.0	22.1	22.3	22.6	22.8	21.6	21.8	21.8	21.7	21.8	21.9	21.9
175	21.0	20.9	20.9	21.2	21.4	21.4	21.4	21.6	21.8	22.1	22.3	22.3	21.4	21.6	21.9	22.0	21.9	21.8	21.7
180	21.6	21.6	21.8	22.0	21.9	21.7	21.8	21.8	22.0	22.3	22.2	22.2	21.6	21.6	21.8	22.0	21.9	21.7	21.8

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-TL020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 40D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345												
γ (DEC)																	
0	4138	4138	4138	4138	4138												
5	4059	4054	4026	4010	3976												
10	3713	3713	3663	3633	3559												
15	3091	3098	3026	2993	2881												
20	2248	2259	2188	2146	2029												
25	1459	1477	1414	1377	1272												
30	883	899	849	810	738												
35	507	516	489	461	413												
40	274	281	264	249	221												
45	146	149	143	136	122												
50	85.5	87.4	84.0	81.8	75.5												
55	54.9	55.1	52.6	51.8	49.0												
60	38.1	38.3	36.8	36.2	34.5												
65	26.6	26.6	25.5	25.0	23.7												
70	14.2	14.3	13.5	13.3	12.6												
75	6.69	6.68	6.17	6.17	5.81												
80	1.95	1.93	1.57	1.55	1.29												
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	0.27	0.28	0.46	0.57	0.83												
130	2.38	2.40	2.63	2.81	3.16												
135	5.24	5.28	5.57	5.78	6.23												
140	8.74	8.78	9.12	9.35	9.83												
145	12.6	12.6	12.9	13.2	13.7												
150	16.3	16.3	16.6	16.8	17.3												
155	19.4	19.3	19.5	19.7	20.1												
160	21.4	21.2	21.2	21.4	21.7												
165	22.1	22.0	21.7	21.7	21.9												
170	21.8	21.7	21.6	21.6	21.5												
175	21.8	21.9	21.8	21.5	21.5												
180	21.8	22.0	22.3	22.2	22.2												

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: