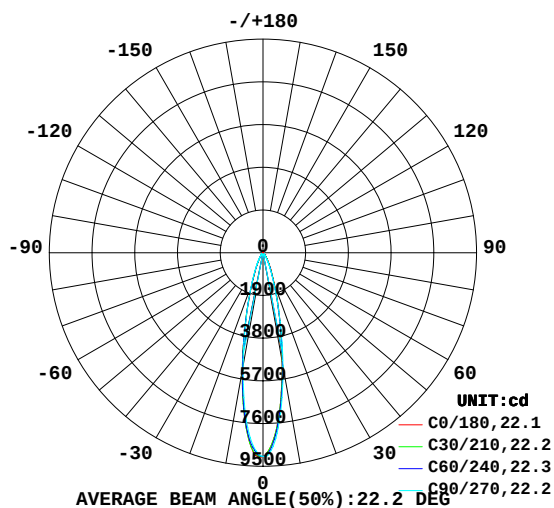


LUMINAIRE PHOTOMETRIC TEST REPORT

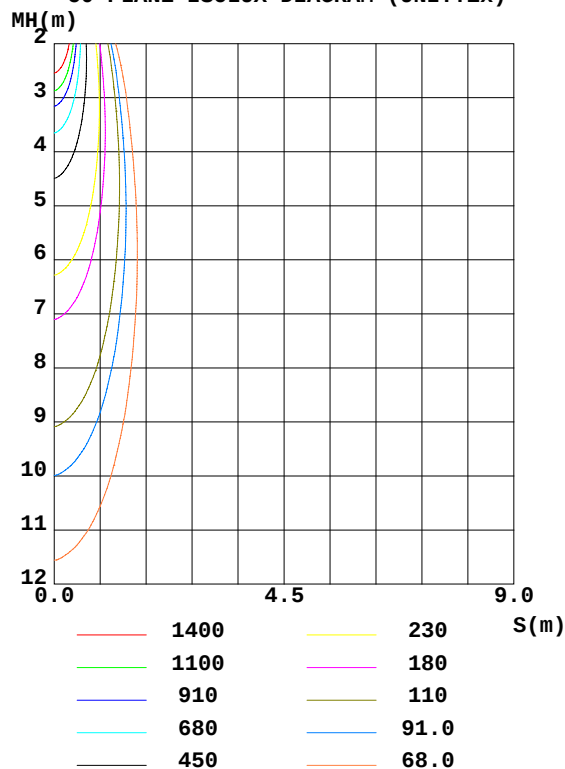
NAME: VN-TL0020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.61 lm/W			
MODEL	CXA1820	I _{max} (cd)	9160	S/MH(C0/180)	0.39
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2152.5	η UP, DN(C0-180)	0.9, 49.5
NOMINAL FLUX(lm)	2152.49	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 48.8
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:

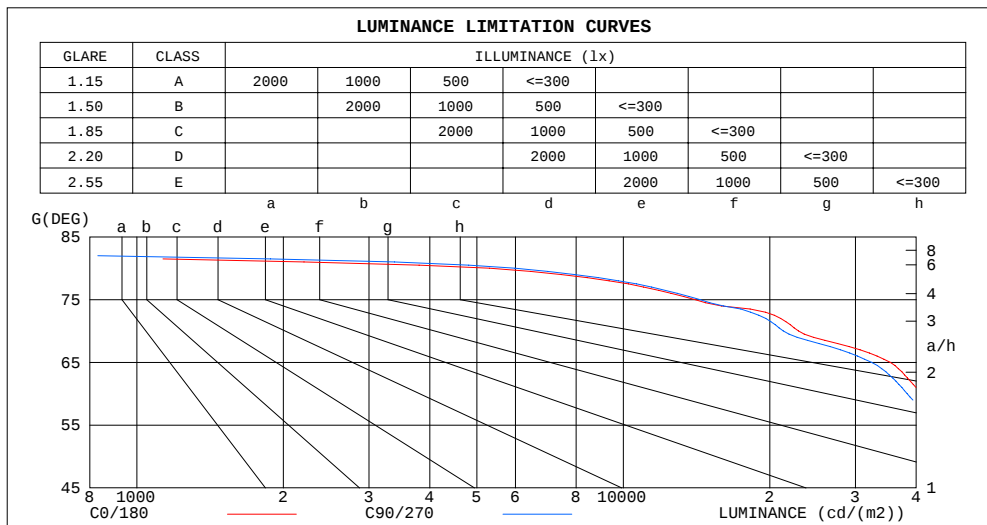
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4903	5037	5125	5540	5300	5222	5112	4754	0- 10	656.4	656.4	30.5, 30.5
20	1495	1447	1371	1475	1384	1398	1465	1434	10- 20	784.9	1441	67, 67
30	488.8	438.6	394.1	403.7	375.3	391.9	432.7	469.1	20- 30	364.9	1806	83.9, 83.9
40	160.8	138.7	123.0	125.3	119.6	124.9	144.4	160.2	30- 40	151.8	1958	91, 91
50	74.42	69.00	68.80	69.94	67.15	67.74	73.53	75.10	40- 50	74.41	2032	94.4, 94.4
60	40.25	38.87	37.62	38.61	37.37	38.08	39.50	39.28	50- 60	47.69	2080	96.6, 96.6
70	15.32	15.19	14.31	15.08	13.99	14.74	15.08	14.46	60- 70	26.88	2107	97.9, 97.9
80	1.803	2.060	2.041	2.370	1.934	1.961	1.934	1.331	70- 80	8.227	2115	98.3, 98.3
90	0	0	0	0	0	0	0	0	80- 90	0.2280	2115	98.3, 98.3
100	0	0	0	0	0	0	0	0	90-100	0	2115	98.3, 98.3
110	0	0	0	0	0	0	0	0	100-110	0	2115	98.3, 98.3
120	0	0	0	0	0	0	0	0	110-120	0	2115	98.3, 98.3
130	4.125	4.189	4.505	4.356	2.087	1.830	1.601	1.711	120-130	0.8463	2116	98.3, 98.3
140	14.06	14.14	14.40	14.10	10.07	9.854	9.698	10.14	130-140	5.435	2122	98.6, 98.6
150	23.12	23.19	23.64	23.52	20.71	20.48	20.33	20.55	140-150	10.73	2133	99.1, 99.1
160	25.86	25.51	26.38	26.25	25.66	25.28	25.40	24.77	150-160	11.28	2144	99.6, 99.6
170	20.44	20.35	21.20	21.79	21.76	21.64	21.57	20.54	160-170	6.856	2151	99.9, 99.9
180	17.50	17.97	17.54	17.93	17.50	17.96	17.55	17.93	170-180	1.855	2152	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-TL0020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



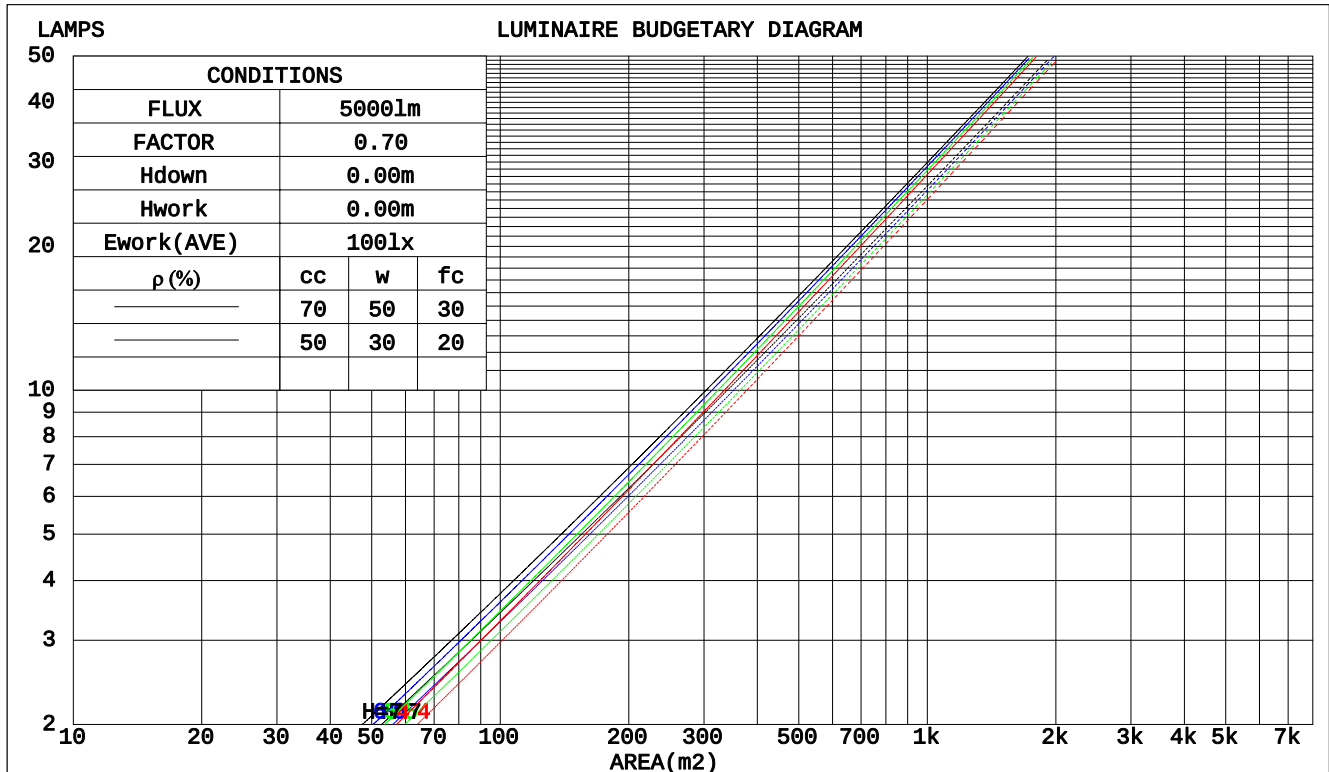
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2018-8-9

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VN-TL0020-01 WHITE	TYPE: LED TRACK LIGHT	WEIGHT:
SPEC.: CRI80 3000K 24D	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	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.99	.99	.97	.96	.95	.94
2.0	1.05	1.02	.99	1.03	1.00	.98	.99	.97	.95	.97	.95	.93	.94	.92	.91	.89
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.90	.93	.90	.88	.90	.88	.86	.85
4.0	.95	.90	.87	.94	.89	.86	.91	.88	.85	.89	.86	.84	.87	.85	.83	.81
5.0	.90	.86	.82	.89	.85	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.78
6.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.83	.79	.77	.81	.78	.76	.75
7.0	.83	.78	.75	.83	.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	.77	.73	.70	.77	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.69	.67
10.0	.75	.70	.67	.74	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.65



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-TL0020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.156	.089	.028	.149	.085	.027	.136	.078	.025	.123	.071	.023	.112	.065	.021		
2.0	.147	.080	.025	.141	.078	.024	.130	.072	.022	.119	.067	.021	.109	.062	.020		
3.0	.138	.073	.022	.133	.071	.021	.123	.067	.020	.114	.063	.019	.106	.059	.018		
4.0	.129	.067	.020	.125	.065	.019	.117	.062	.018	.109	.059	.018	.102	.055	.017		
5.0	.122	.062	.018	.118	.061	.018	.111	.058	.017	.104	.055	.016	.098	.052	.016		
6.0	.115	.058	.016	.112	.056	.016	.105	.054	.016	.100	.052	.015	.094	.050	.015		
7.0	.109	.054	.015	.106	.053	.015	.101	.051	.015	.095	.049	.014	.091	.047	.014		
8.0	.104	.051	.014	.101	.050	.014	.096	.048	.014	.091	.046	.013	.087	.045	.013		
9.0	.099	.048	.013	.096	.047	.013	.092	.045	.013	.088	.044	.013	.084	.043	.012		
10.0	.094	.045	.013	.092	.045	.012	.088	.043	.012	.085	.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	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022		
1.0	.183	.171	.160	.156	.147	.137	.107	.101	.095	.062	.058	.055	.020	.019	.018		
2.0	.166	.146	.129	.142	.126	.111	.098	.087	.078	.056	.051	.046	.018	.016	.015		
3.0	.152	.127	.106	.131	.109	.092	.090	.076	.065	.052	.044	.038	.017	.014	.012		
4.0	.141	.112	.090	.121	.097	.078	.083	.067	.055	.048	.039	.032	.015	.013	.011		
5.0	.131	.100	.077	.112	.086	.067	.077	.060	.047	.045	.035	.028	.014	.012	.009		
6.0	.122	.090	.067	.105	.078	.058	.073	.055	.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	.109	.076	.053	.094	.065	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006		
9.0	.103	.070	.048	.089	.061	.042	.062	.043	.030	.036	.025	.018	.012	.008	.006		
10.0	.098	.065	.044	.085	.057	.038	.059	.040	.027	.034	.024	.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 24D						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		21.0	21.8	21.3	22.0	22.2	20.4	21.1	20.6	21.3	21.5
3H		21.4	22.1	21.7	22.3	22.6	20.8	21.5	21.1	21.7	21.9
4H		21.5	22.1	21.8	22.4	22.6	20.9	21.5	21.2	21.8	22.0
6H		21.4	22.0	21.7	22.3	22.6	20.8	21.5	21.1	21.7	22.0
8H		21.4	22.0	21.7	22.3	22.5	20.8	21.4	21.1	21.7	21.9
12H		21.3	21.9	21.7	22.2	22.5	20.7	21.3	21.1	21.6	21.9
4H	2H	21.2	21.9	21.5	22.1	22.3	20.6	21.3	20.9	21.5	21.8
	3H	21.7	22.2	22.0	22.5	22.8	21.1	21.7	21.5	22.0	22.3
	4H	21.7	22.2	22.1	22.6	22.9	21.2	21.7	21.6	22.1	22.4
	6H	21.7	22.1	22.1	22.5	22.9	21.2	21.6	21.6	22.0	22.4
	8H	21.6	22.0	22.0	22.4	22.8	21.1	21.5	21.5	21.9	22.3
	12H	21.6	22.0	22.0	22.4	22.8	21.0	21.4	21.5	21.8	22.3
8H	4H	21.6	22.1	22.1	22.5	22.9	21.1	21.6	21.6	22.0	22.3
	6H	21.6	21.9	22.0	22.4	22.8	21.1	21.5	21.6	21.9	22.3
	8H	21.5	21.8	22.0	22.3	22.8	21.0	21.4	21.5	21.8	22.3
	12H	21.5	21.7	22.0	22.2	22.7	21.0	21.3	21.5	21.7	22.2
12H	4H	21.6	22.0	22.0	22.4	22.8	21.1	21.5	21.5	21.9	22.3
	6H	21.5	21.8	22.0	22.3	22.8	21.0	21.4	21.5	21.8	22.3
	8H	21.5	21.7	22.0	22.2	22.7	21.0	21.3	21.5	21.7	22.2
Variations with the observer position at spacings:											
S = 1.0H		+ 1.3 / - 1.5					+ 0.9 / - 1.2				
1.5H		+ 2.2 / - 1.1					+ 1.1 / - 0.6				
2.0H		+ 1.7 / - 1.0					+ 1.1 / - 1.0				

CIE Pub.117, 2152 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.7$)

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 24D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

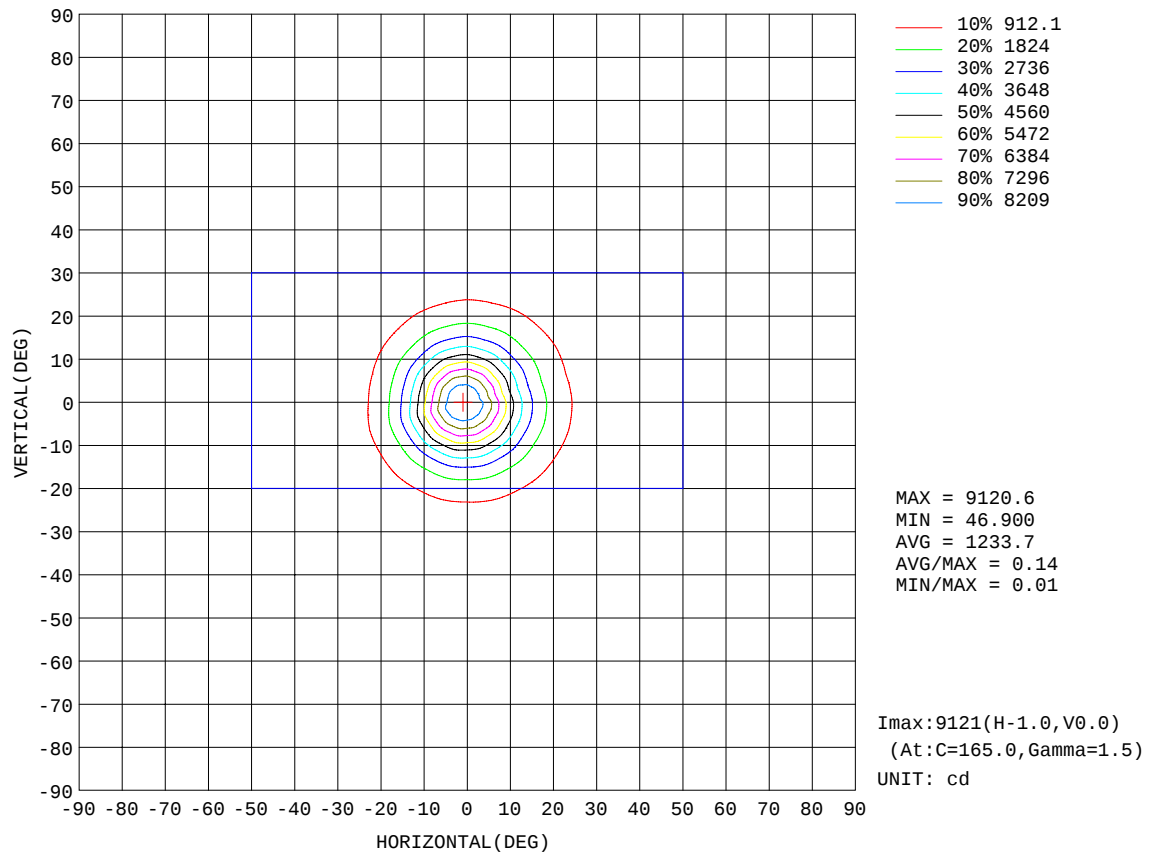
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	76	85	79	75	84	79	75	72
0.80	93	87	84	93	87	83	91	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-TLV020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

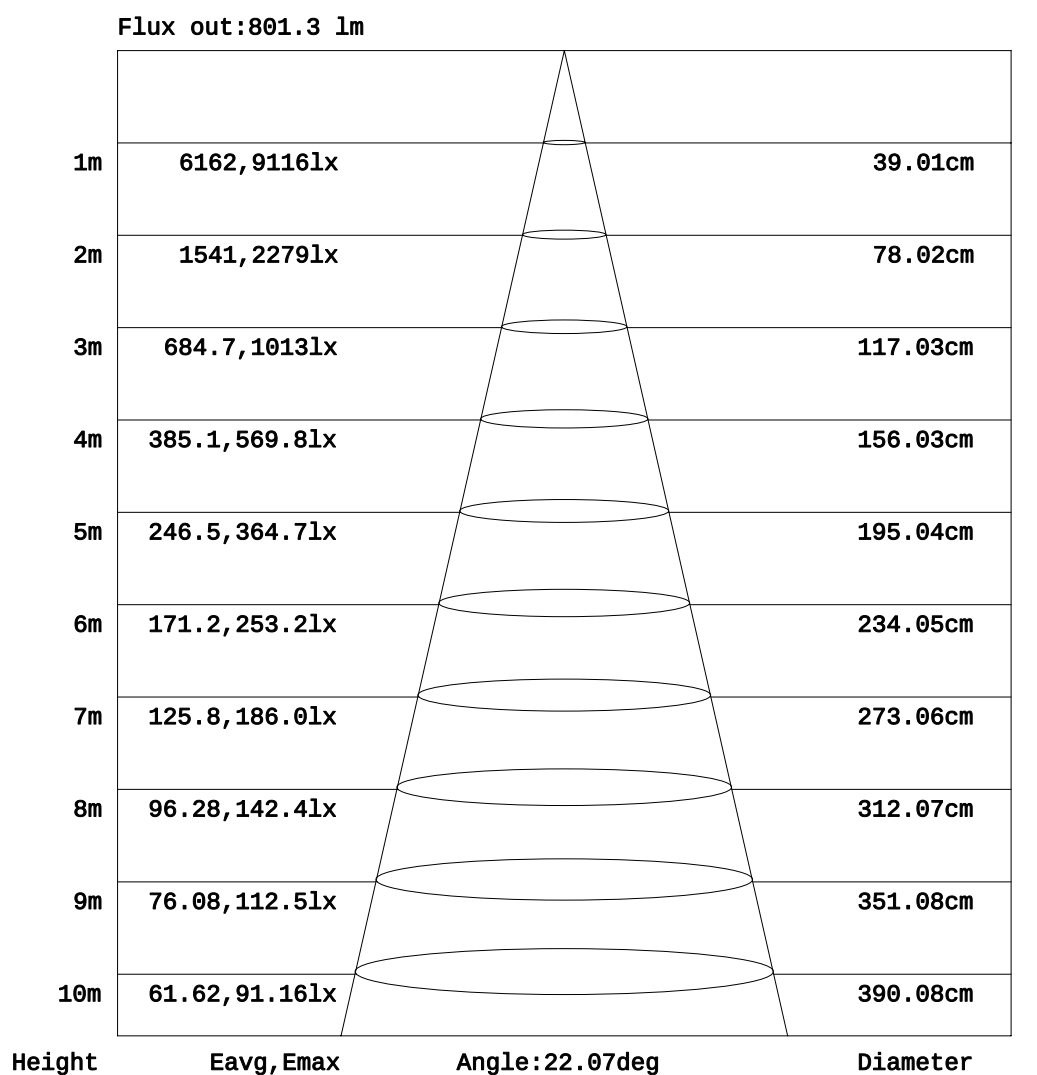


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2018-8-9

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 24D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



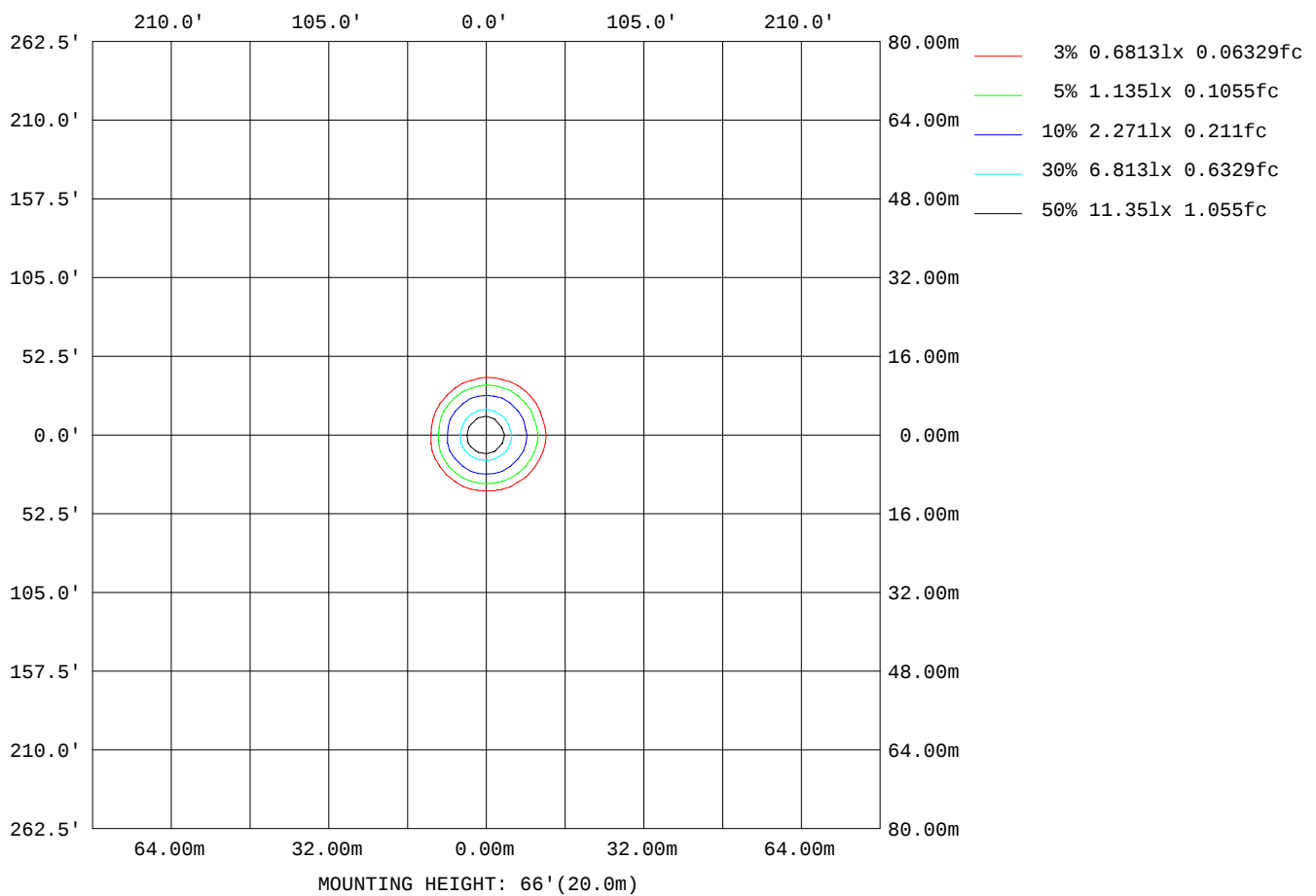
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 24D	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 24D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

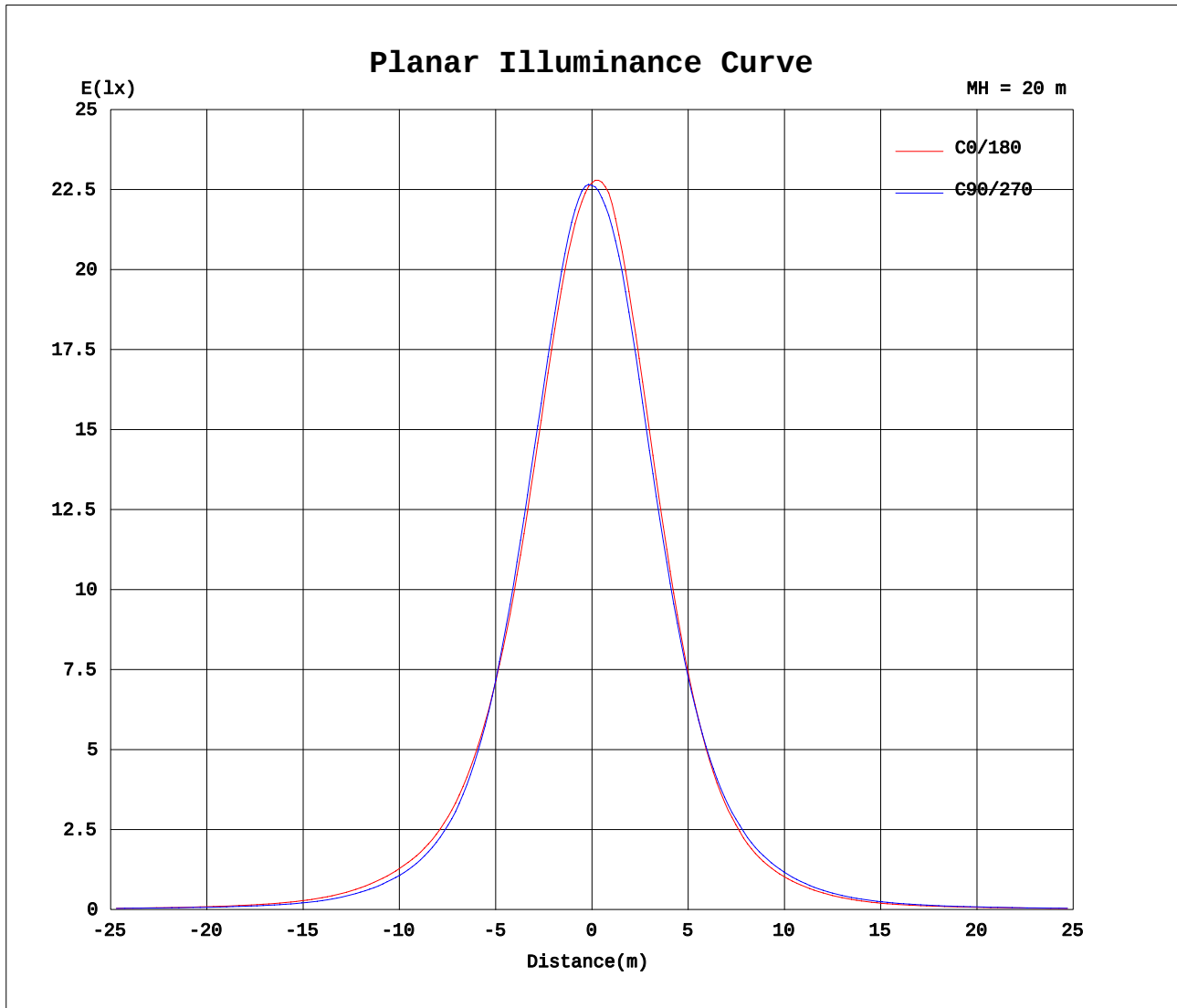
AvgL	cd/m2
L_0~180(65)av	34059
L_0~180(75)av	14067
L_0~180(85)av	0
L_90~270(65)av	33387
L_90~270(75)av	14299
L_90~270(85)av	0
L_45(65)av	33894
L_45(75)av	14242
L_45(85)av	0

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-TL0020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	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	9052	9052	9052	9052	9052	9052	9052	9052	9052	9052	9052	9052	9052	9052	9052	9052	9052	9052	9052
5	7574	7624	7583	7683	7651	7806	7815	7988	8025	8212	8239	8388	8047	7979	8061	7985	7995	7835	7813
10	4903	4989	4929	5037	4994	5151	5125	5321	5315	5540	5518	5708	5300	5227	5315	5222	5265	5116	5112
15	2769	2809	2736	2787	2719	2788	2752	2867	2860	2988	2973	3104	2833	2783	2864	2799	2857	2787	2825
20	1495	1496	1443	1447	1392	1416	1371	1420	1399	1475	1447	1501	1384	1357	1428	1398	1456	1428	1465
25	844	845	804	789	752	750	723	736	723	745	730	749	694	695	725	724	752	755	787
30	489	476	450	439	413	408	394	400	394	404	395	409	375	372	389	392	408	411	433
35	272	265	248	240	223	218	209	214	209	213	209	215	197	196	206	209	224	226	240
40	161	154	142	139	130	126	123	125	124	125	123	127	120	117	121	125	134	137	144
45	105	100	92.9	91.8	89.5	88.3	87.1	88.3	88.1	88.9	88.3	89.5	85.2	83.9	84.9	87.6	93.3	94.8	98.5
50	74.4	72.5	68.8	69.0	68.7	69.3	68.8	69.1	69.2	69.9	69.6	70.0	67.1	66.3	66.8	67.7	70.9	72.0	73.5
55	54.6	53.6	51.3	51.8	51.1	51.0	50.6	51.1	51.1	52.5	52.6	54.4	51.2	50.5	51.4	52.0	54.0	54.2	55.4
60	40.3	39.8	38.4	38.9	38.2	37.8	37.6	38.1	38.0	38.6	38.4	39.1	37.4	37.0	37.4	38.1	39.2	38.9	39.5
65	29.2	28.9	28.1	28.1	27.1	26.9	26.9	27.7	27.6	28.2	28.1	28.9	27.3	27.0	27.6	27.9	28.5	28.2	28.5
70	15.3	15.4	14.9	15.2	14.5	14.4	14.3	14.7	14.6	15.1	14.9	15.4	14.0	14.0	14.5	14.7	15.1	14.8	15.1
75	7.10	7.25	7.07	7.38	7.20	7.38	7.30	7.54	7.42	7.75	7.72	8.31	7.19	7.04	7.34	7.22	7.46	7.13	7.23
80	1.80	1.95	1.81	2.06	1.94	2.11	2.04	2.22	2.13	2.37	2.34	2.55	1.93	1.85	2.04	1.96	2.11	1.87	1.93
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	1.11	1.07	1.21	1.19	1.34	1.34	1.50	1.44	1.56	1.48	1.55	1.41	0.09	0.05	0.00	0.00	0.00	0.00	0.00
130	4.12	4.05	4.26	4.19	4.38	4.32	4.51	4.40	4.50	4.36	4.42	4.23	2.09	2.04	1.86	1.83	1.68	1.70	1.60
135	8.65	8.57	8.79	8.70	8.92	8.80	8.99	8.80	8.91	8.69	8.74	8.49	5.36	5.33	5.11	5.11	4.93	5.00	4.90
140	14.1	14.0	14.2	14.1	14.4	14.2	14.4	14.2	14.3	14.1	14.1	13.9	10.1	10.0	9.81	9.85	9.65	9.79	9.70
145	19.2	19.1	19.3	19.3	19.5	19.5	19.6	19.5	19.6	19.4	19.4	19.2	15.6	15.6	15.3	15.4	15.2	15.4	15.3
150	23.1	23.0	23.2	23.2	23.4	23.5	23.6	23.6	23.6	23.5	23.5	23.5	20.7	20.7	20.5	20.5	20.3	20.4	20.3
155	25.4	25.3	25.3	25.3	25.6	25.8	26.0	26.0	25.9	25.9	25.9	26.0	24.3	24.2	24.0	23.9	23.9	24.0	23.9
160	25.9	25.7	25.5	25.5	25.8	26.2	26.4	26.4	26.2	26.3	26.4	26.7	25.7	25.5	25.4	25.3	25.3	25.4	25.4
165	23.9	23.7	23.3	23.5	24.0	24.4	24.6	24.7	24.7	24.7	24.9	25.4	24.5	24.5	24.3	24.3	24.5	24.5	24.5
170	20.4	20.3	20.2	20.4	20.5	20.9	21.2	21.5	21.4	21.8	22.1	22.4	21.8	21.8	21.9	21.6	21.6	21.6	21.6
175	17.6	17.5	17.6	18.0	18.2	18.2	18.3	18.6	18.8	19.2	19.3	19.4	18.9	19.0	19.3	19.3	19.2	18.9	18.7
180	17.5	17.5	17.7	18.0	17.8	17.5	17.5	17.5	17.6	17.9	17.7	17.7	17.5	17.5	17.7	18.0	17.8	17.5	17.5

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VN-TL0020-01 WHITE	TYPE:LED TRACK LIGHT	WEIGHT:
SPEC.:CRI80 3000K 24D	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345												
γ (DEC)																	
0	9052	9052	9052	9052	9052												
5	7644	7613	7453	7434	7318												
10	4941	4906	4754	4757	4623												
15	2725	2749	2668	2698	2602												
20	1430	1469	1434	1453	1407												
25	785	812	816	830	806												
30	440	462	469	476	461												
35	249	264	266	270	262												
40	151	160	160	163	157												
45	101	106	106	107	103												
50	74.1	75.4	75.1	74.8	73.1												
55	55.0	55.6	54.3	54.2	52.9												
60	39.4	39.6	39.3	39.6	39.1												
65	28.3	28.8	28.2	28.3	27.8												
70	14.8	14.9	14.5	14.7	14.6												
75	6.85	6.92	6.58	6.63	6.28												
80	1.64	1.63	1.33	1.34	0.99												
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	1.65	1.60	1.71	1.70	1.84												
135	5.03	4.97	5.18	5.17	5.41												
140	9.89	9.83	10.1	10.1	10.4												
145	15.4	15.4	15.7	15.6	16.0												
150	20.5	20.3	20.6	20.5	20.8												
155	23.9	23.7	23.8	23.8	24.0												
160	25.3	25.0	24.8	24.8	25.0												
165	24.2	23.9	23.4	23.2	23.3												
170	21.2	20.9	20.5	20.4	20.1												
175	18.6	18.5	18.2	17.7	17.6												
180	17.5	17.6	17.9	17.8	17.7												

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: