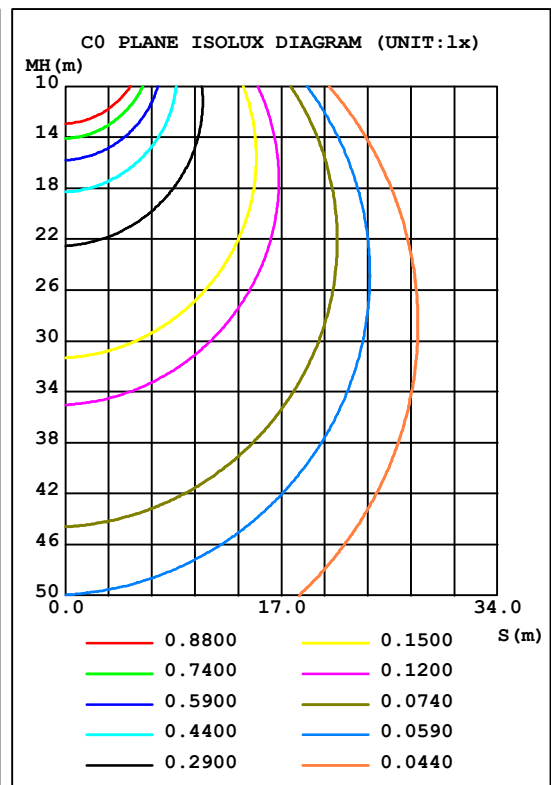
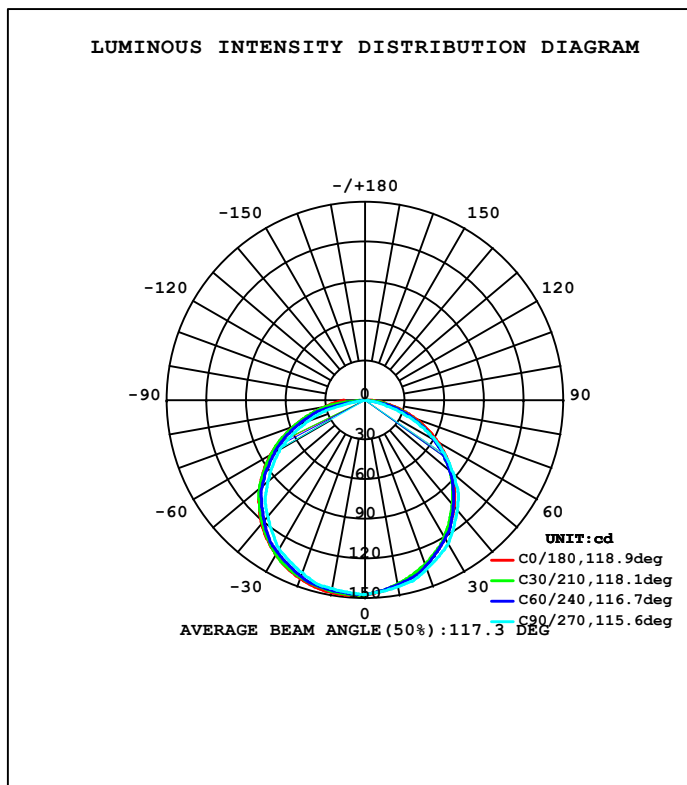


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	3528 NW	I _{max} (cd)	148.1	S/MH (C0/180)	1.36
NOMINAL POWER (W)	4.8	LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	439.97	η UP, DN (C0-180)	0.0, 48.4
NOMINAL FLUX (lm)	439.97	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	100.0	CIBSE SHR MAX	1.35



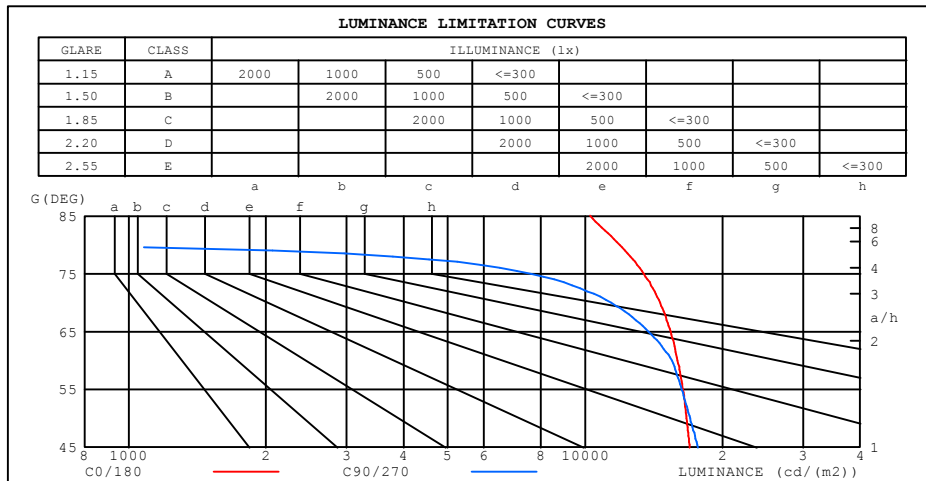
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: dawang
 Test Date: 2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity: 65.0%
 Test Distance: 10.200m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
5	145.3	144.6	145.3	146.6	148.1	147.1	146.1	145.2	0- 5	3.501	3.501	0.80,0.80
10	142.4	141.5	143.4	145.4	147.9	146.4	144.9	142.6	5- 10	10.38	13.88	3.15,3.15
15	138.3	137.7	141.5	143.6	146.4	145.1	143.7	139.5	10- 15	16.96	30.84	7.01,7.01
20	133.3	133.5	136.2	141.3	143.9	143.3	139.3	135.9	15- 20	23.06	53.90	12.3,12.3
25	127.4	126.9	131.0	136.4	140.1	138.9	134.9	129.9	20- 25	28.40	82.30	18.7,18.7
30	120.7	119.5	125.7	130.7	135.2	133.6	130.4	123.1	25- 30	32.93	115.2	26.2,26.2
35	113.2	111.9	117.1	124.5	129.2	127.9	122.7	116.2	30- 35	36.47	151.7	34.5,34.5
40	104.8	103.8	108.5	117.5	122.0	121.4	115.0	108.7	35- 40	38.79	190.5	43.3,43.3
45	95.71	93.32	99.92	107.9	113.7	112.3	107.2	98.94	40- 45	39.94	230.4	52.4,52.4
50	85.76	82.88	87.28	98.13	104.3	102.9	96.15	89.13	45- 50	39.81	270.2	61.4,61.4
55	75.13	72.37	74.64	88.04	93.90	93.21	85.09	79.22	50- 55	38.23	308.5	70.1,70.1
60	63.78	60.02	62.01	75.48	82.49	80.91	74.03	67.20	55- 60	35.42	343.9	78.2,78.2
65	52.00	47.95	46.59	62.92	70.18	68.71	59.70	55.40	60- 65	31.42	375.3	85.3,85.3
70	39.91	36.13	31.17	50.62	57.23	55.99	45.37	43.38	65- 70	26.30	401.6	91.3,91.3
75	27.82	24.58	15.75	37.62	44.23	42.64	31.03	31.05	70- 75	20.33	421.9	95.9,95.9
80	16.52	11.95	0	21.46	31.99	25.13	0	16.60	75- 80	12.79	434.7	98.8,98.8
85	7.154	0	0	0	22.14	0	0	0	80- 85	4.373	439.1	99.8,99.8
90	0.8141	0	0	0	15.51	0	0	0	85- 90	0.8579	440.0	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



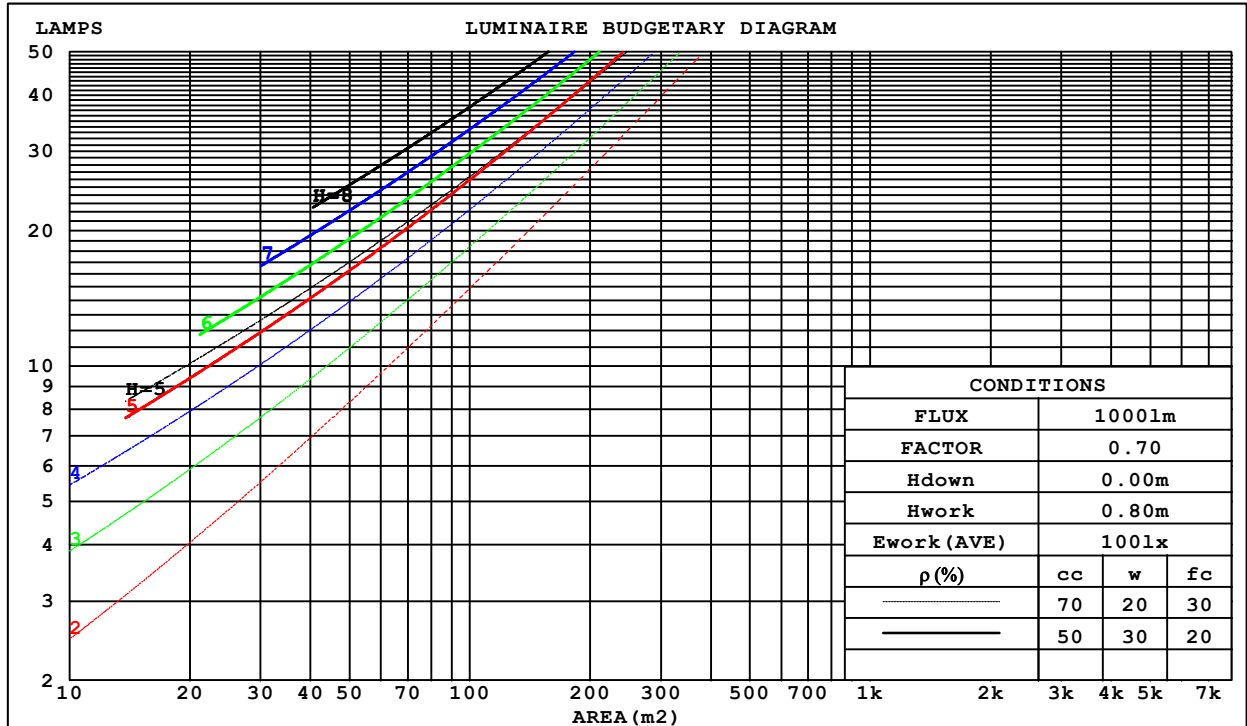
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: dawang
 Test Date: 2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity: 65.0%
 Test Distance: 10.200m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION 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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.94	.91	.88	.90	.88	.86	.84
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.82	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.35	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.37	.32	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.36	.30	.25	.23



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:dawang
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity:65.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION 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	.308	.175	.056	.301	.172	.055	.288	.165	.053	.276	.159	.051	.265	.153	.049	
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.048	.265	.148	.046	.255	.144	.045	
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041	
4.0	.252	.131	.038	.247	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.233	.118	.034	.228	.117	.034	.220	.115	.034	.212	.112	.033	.205	.110	.033	
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.198	.103	.030	.191	.101	.030	
7.0	.201	.099	.028	.197	.098	.028	.191	.096	.028	.185	.095	.028	.179	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.088	.025	.168	.086	.025	
9.0	.175	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.158	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.134	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:dawang
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity:65.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm										
NAME: ES-PL3528NW60-24-GH44-1					TYPE:LED STRIP Light			WEIGHT:0		
SPEC.:1000*8MM					DIM.: 1000*8mm			SERIAL No.:1		
MFR.: Everstar					SUR.:1000*8MM			PROTECTION 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	22.2	23.7	22.4	23.9	24.1	22.2	23.7	22.5	23.9	24.1
3H	23.7	25.1	24.0	25.3	25.6	23.5	24.9	23.8	25.2	25.4
4H	24.2	25.6	24.5	25.8	26.1	23.9	25.3	24.2	25.5	25.8
6H	24.5	25.8	24.9	26.1	26.4	23.9	25.2	24.2	25.5	25.7
8H	24.6	25.9	25.0	26.1	26.4	23.9	25.1	24.2	25.4	25.7
12H	24.7	25.9	25.0	26.2	26.5	23.8	25.0	24.2	25.3	25.6
4H 2H	22.7	24.1	23.0	24.3	24.6	22.7	24.1	23.0	24.3	24.6
3H	24.4	25.6	24.8	25.9	26.2	24.2	25.4	24.6	25.7	26.0
4H	25.0	26.1	25.4	26.4	26.8	24.8	25.9	25.2	26.2	26.5
6H	25.4	26.4	25.8	26.7	27.1	24.8	25.8	25.2	26.1	26.5
8H	25.6	26.5	26.0	26.8	27.2	24.8	25.7	25.2	26.0	26.4
12H	25.6	26.5	26.1	26.9	27.3	24.7	25.6	25.2	25.9	26.3
8H 4H	25.2	26.1	25.6	26.5	26.9	25.0	25.9	25.4	26.3	26.7
6H	25.8	26.5	26.2	26.9	27.3	25.1	25.8	25.5	26.2	26.7
8H	26.0	26.6	26.4	27.0	27.5	25.1	25.7	25.5	26.1	26.6
12H	26.1	26.7	26.6	27.1	27.6	25.0	25.6	25.5	26.0	26.5
12H 4H	25.2	26.0	25.6	26.4	26.8	25.0	25.8	25.4	26.2	26.6
6H	25.8	26.4	26.2	26.8	27.3	25.1	25.8	25.6	26.2	26.6
8H	26.0	26.5	26.4	27.0	27.4	25.1	25.6	25.6	26.1	26.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.5				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 440.0 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.9)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:dawang
Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.292
Humidity:65.0%
Test Distance:10.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION 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	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	101	96	104	99	94	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: dawang
 Test Date: 2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity: 65.0%
 Test Distance: 10.200m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

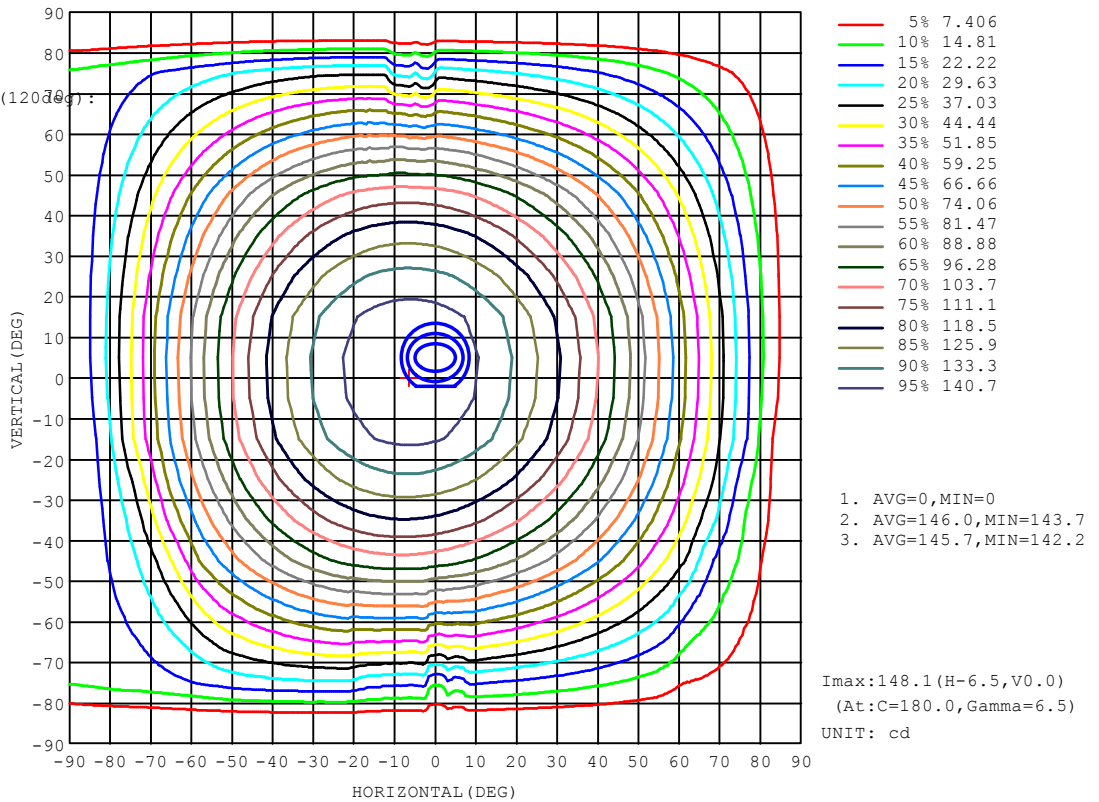
Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION ANGLE:

Conical surface Flux(90deg):

230.44 lm
 %lum = 52.4%
 %lamp = 52.4%

Conical surface Flux(120deg):

343.89 lm
 %lum = 78.2%
 %lamp = 78.2%



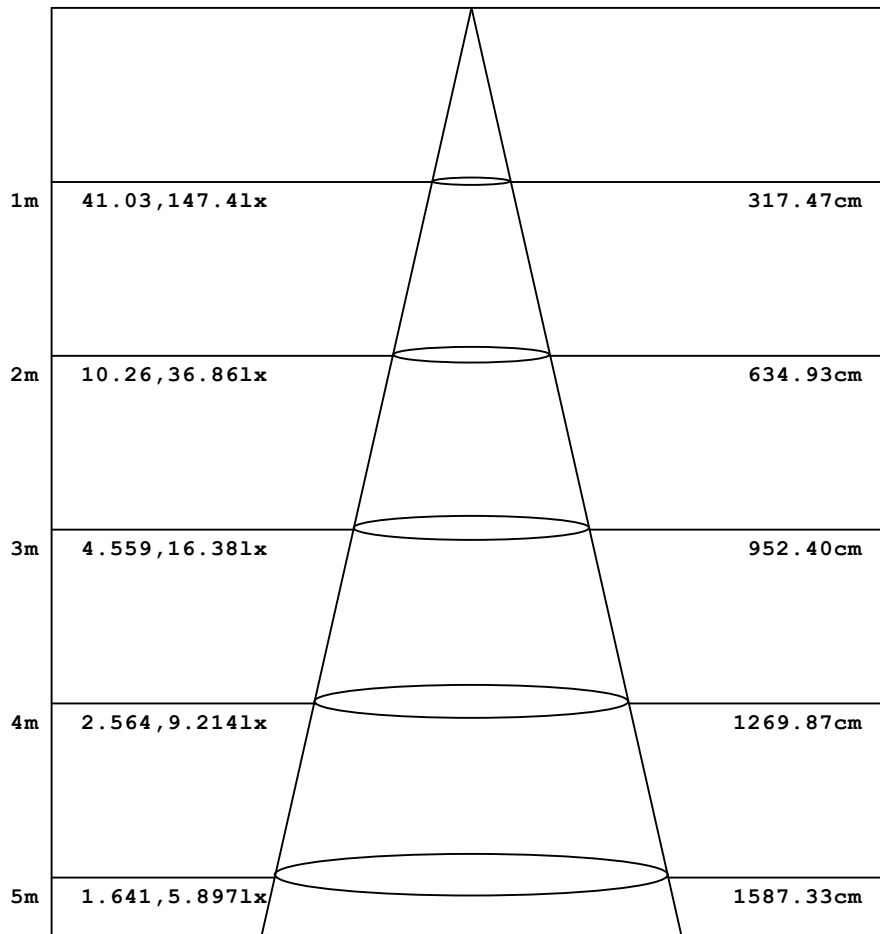
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operator:dawang
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity:65.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

AAI Figure

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION ANGLE:

Flux out:330.1 lm



Height Eavg, Emax Angle:115.58deg Diameter

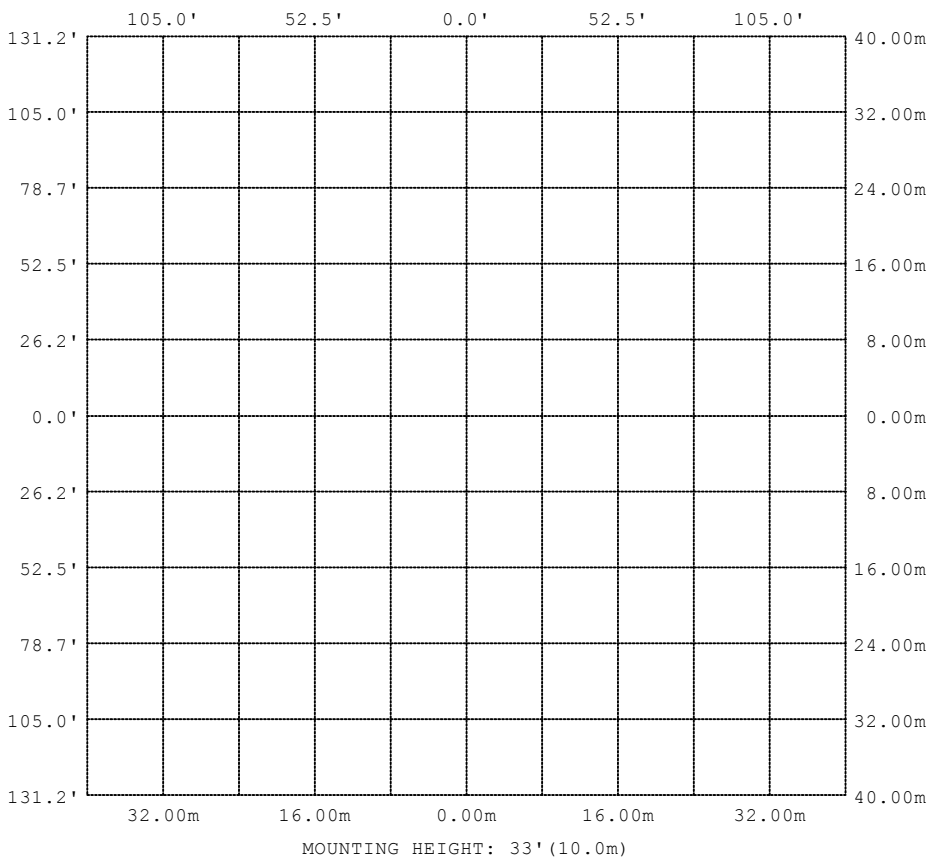
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:dawang
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity:65.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:dawang
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity:65.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION ANGLE:

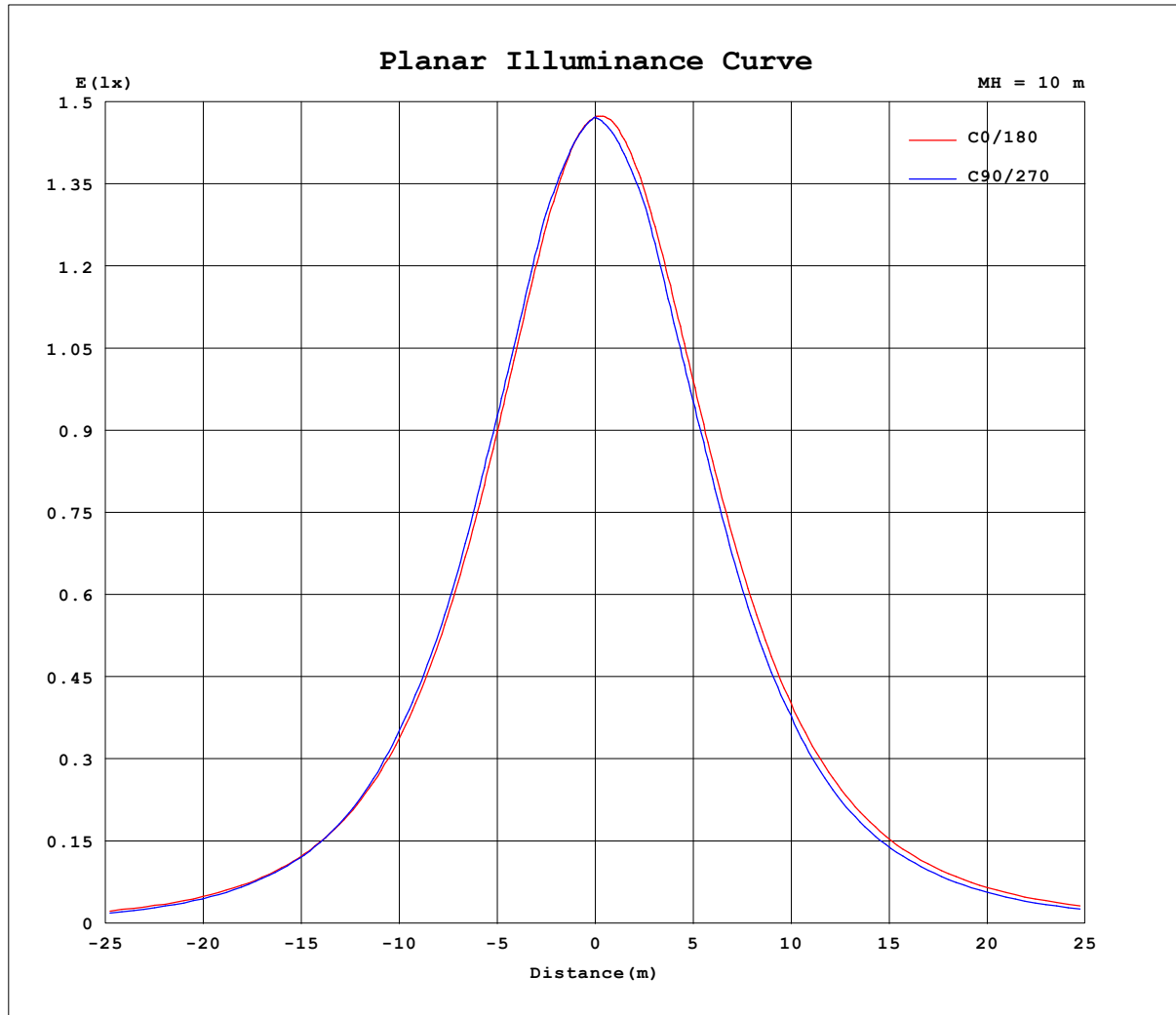
AvgL	cd/m2
L_0~180 (65) av	18069
L_0~180 (75) av	17398
L_0~180 (85) av	21007
L_90~270 (65) av	15718
L_90~270 (75) av	11296
L_90~270 (85) av	0
L_45 (65) av	17376
L_45 (75) av	16406
L_45 (85) av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:dawang
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity:65.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: dawang
Test Date: 2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.292
Humidity: 65.0%
Test Distance: 10.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
5	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145
10	142	142	142	142	141	141	141	141	141	141	142	142	142	142	142	143	143	143	143
15	138	138	137	137	137	137	137	137	137	138	138	138	138	139	139	140	140	141	141
20	133	133	132	132	132	132	132	133	133	134	134	134	134	134	135	135	135	136	136
25	127	127	126	126	126	126	127	127	127	127	127	127	128	128	129	129	130	130	131
30	121	120	119	119	119	120	120	119	119	120	120	120	121	122	123	123	124	125	126
35	113	112	112	112	112	112	111	111	111	112	113	113	114	114	114	115	116	116	117
40	105	104	103	103	104	103	103	103	103	104	104	104	104	104	105	106	107	108	109
45	95.7	94.5	94.1	94.5	93.7	93.3	93.5	94.1	93.6	93.3	93.4	93.7	94.3	95.0	95.9	96.8	97.8	98.9	99.9
50	85.8	84.5	84.3	84.1	83.5	83.5	83.8	83.1	82.8	82.9	83.2	83.9	84.2	84.4	84.8	85.4	86.1	86.6	87.3
55	75.1	73.8	73.9	73.0	72.8	73.0	72.2	71.9	72.0	72.4	72.1	72.0	72.1	72.4	72.9	73.4	74.2	74.5	74.6
60	63.8	62.6	62.4	61.7	61.8	60.9	60.6	60.8	60.4	60.0	59.9	59.9	60.2	60.5	61.1	61.6	62.6	62.3	62.0
65	52.0	50.9	50.3	50.3	49.5	49.1	48.9	48.4	48.1	48.0	48.0	48.1	48.2	48.3	48.6	48.9	49.7	47.9	46.6
70	39.9	39.0	38.4	37.1	37.6	37.0	36.7	36.5	36.3	36.1	36.0	35.9	35.8	35.8	35.9	36.1	36.6	33.3	31.2
75	27.8	26.2	23.8	22.3	23.2	23.7	25.2	25.1	24.9	24.6	24.3	24.0	23.7	23.4	23.3	23.3	23.6	18.8	15.7
80	16.5	12.9	13.1	13.1	13.1	12.8	13.7	14.4	13.8	12.0	9.70	7.61	5.71	4.04	2.64	1.52	0.70	0.14	0.00
85	7.15	5.11	5.27	5.46	4.85	2.33	0.00	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	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: dawang
 Test Date: 2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity: 65.0%
 Test Distance: 10.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
5	145	146	146	146	146	146	146	146	147	147	147	147	147	147	148	148	148	148	148
10	144	144	144	144	145	145	145	145	145	146	146	146	146	147	147	147	148	148	148
15	142	142	142	143	143	143	143	143	144	144	144	144	144	145	145	146	146	146	146
20	137	137	138	138	139	139	140	141	141	141	141	142	142	142	142	143	143	144	143
25	132	132	133	133	134	134	135	136	136	137	138	138	138	138	138	139	139	140	140
30	126	127	128	128	129	129	130	130	131	131	132	133	133	133	133	134	134	135	135
35	118	119	120	121	122	123	124	124	125	125	125	126	127	128	127	128	128	129	129
40	109	110	111	112	113	114	115	116	118	118	118	119	119	120	120	120	121	122	121
45	101	102	103	104	104	105	106	107	108	109	110	110	111	111	111	112	113	114	113
50	89.3	90.2	91.5	92.8	94.2	95.8	96.9	97.5	98.1	98.9	99.9	101	101	102	103	103	103	104	104
55	77.4	78.2	79.4	80.6	81.9	84.1	85.3	86.6	88.0	88.5	89.0	89.8	91.1	91.3	91.9	92.9	92.8	93.9	93.5
60	65.4	66.1	67.3	68.4	71.0	72.3	73.4	74.5	75.5	76.8	78.1	78.3	78.9	80.2	80.3	81.4	81.4	82.5	82.2
65	51.6	52.4	53.9	55.4	58.6	60.0	61.4	62.4	62.9	64.2	64.9	66.2	66.8	67.1	68.3	68.6	69.3	70.2	70.2
70	37.9	38.4	40.3	42.2	45.4	46.7	48.2	49.4	50.6	51.6	52.4	52.7	52.9	52.3	53.6	54.4	56.6	57.2	57.6
75	24.1	24.5	26.6	29.6	32.1	33.5	35.0	36.4	37.6	38.6	39.7	39.0	38.2	37.8	37.3	38.5	42.5	44.2	44.6
80	0.18	0.73	1.74	3.48	5.76	8.59	12.1	16.5	21.5	26.5	27.3	27.4	27.2	26.8	26.5	26.5	27.7	32.0	32.5
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	7.01	16.9	19.7	20.4	20.4	22.1	22.6
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	15.5	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: dawang
 Test Date: 2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity: 65.0%
 Test Distance: 10.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION ANGLE:

Table--3

UNIT: cd

C (DEG)\γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
5	148	148	148	148	147	147	147	147	147	147	147	147	147	146	146	146	146	146	146
10	147	147	147	147	147	147	147	146	146	146	146	146	146	146	145	145	145	145	144
15	146	146	146	145	145	145	145	145	145	145	145	145	145	145	144	144	144	143	143
20	143	143	143	143	143	143	143	143	143	143	142	142	141	141	140	140	139	139	138
25	139	139	139	139	140	140	139	139	138	138	138	137	137	136	136	135	135	134	134
30	134	134	135	135	135	134	134	134	133	133	133	133	132	132	132	131	130	130	129
35	128	129	129	129	129	128	128	128	128	128	127	126	126	125	124	123	123	122	121
40	121	122	122	122	121	121	121	121	121	120	119	119	118	117	116	116	115	114	113
45	113	114	114	113	113	114	113	112	112	111	111	110	110	109	109	108	107	106	105
50	104	105	104	104	105	104	103	103	103	103	102	101	99.7	98.7	98.0	96.6	96.2	95.2	94.3
55	94.3	93.9	94.0	94.3	93.5	93.2	93.2	93.2	92.2	91.3	90.5	89.7	88.7	87.1	87.0	85.1	85.1	84.1	83.1
60	82.9	82.6	83.2	82.4	82.3	82.6	81.7	80.9	80.2	79.6	79.0	78.4	76.6	75.5	76.0	73.6	74.0	73.0	72.0
65	70.4	70.9	70.4	70.4	70.3	69.6	69.1	68.7	68.3	67.8	66.9	65.9	64.8	62.9	60.3	58.9	59.7	59.8	58.9
70	57.7	57.7	57.9	57.5	57.1	56.8	56.6	56.0	55.2	54.4	53.5	52.6	51.5	50.0	44.3	44.2	45.4	46.5	45.7
75	44.9	45.0	44.7	44.5	44.2	43.8	43.2	42.6	41.9	41.1	40.2	39.3	38.2	37.1	28.4	29.5	31.0	33.3	32.5
80	32.7	32.5	32.4	32.1	31.6	31.0	30.3	25.1	19.5	14.6	10.6	7.20	4.50	2.48	0.84	0.22	0.00	0.25	0.96
85	22.4	22.1	19.1	8.08	0.00	0.00	0.00	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

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:dawang
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity:65.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0A P:0W PF:0 Lamp Flux:439.97x1 lm		
NAME: ES-PL3528NW60-24-GH44-1	TYPE:LED STRIP Light	WEIGHT:0
SPEC.:1000*8MM	DIM.: 1000*8mm	SERIAL No.:1
MFR.: Everstar	SUR.:1000*8MM	PROTECTION ANGLE:

Table--4

UNIT: cd

C (DEG) \ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147				
5	146	146	145	145	145	145	145	145	145	145	145	145	145	145	145				
10	144	144	144	143	143	143	143	142	142	142	142	142	142	142	142				
15	142	142	141	141	140	140	139	139	139	138	138	138	138	138	138				
20	138	138	137	137	137	136	136	135	134	134	133	133	133	133	133				
25	133	132	132	131	131	130	130	130	130	129	128	127	127	127	127				
30	128	127	126	125	125	124	123	123	122	122	122	121	120	120	120				
35	120	120	119	119	118	117	116	115	115	115	115	114	113	113	113				
40	112	111	111	110	109	109	109	108	107	106	106	106	105	105	104				
45	104	103	102	101	100	99.4	98.9	98.8	98.9	97.7	96.9	96.6	96.7	95.6	95.3				
50	93.3	92.6	92.0	91.5	90.9	89.9	89.1	88.6	88.3	88.5	87.6	86.8	86.6	86.0	85.4				
55	82.1	81.2	80.5	79.9	79.5	79.3	79.2	78.4	77.7	77.3	77.4	76.5	75.9	75.8	74.8				
60	70.9	70.0	69.1	68.4	67.9	67.5	67.2	67.1	67.1	66.1	65.7	65.9	64.7	64.5	63.6				
65	58.1	57.5	57.0	56.5	56.4	56.0	55.4	55.0	54.7	54.6	54.1	53.6	53.5	52.5	52.0				
70	45.0	44.5	44.2	43.9	43.8	43.6	43.4	43.2	42.7	42.2	42.0	41.7	41.2	40.7	40.2				
75	32.0	31.7	31.5	31.4	31.3	31.2	31.0	30.9	30.7	30.4	30.0	29.6	29.3	28.9	28.2				
80	2.12	3.69	5.66	7.98	10.6	13.5	16.6	19.1	19.1	19.0	18.8	18.4	18.0	17.6	17.1				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.82	7.80	8.55	8.21	7.85				
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				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:dawang
 Test Date:2016-07-05

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.292
 Humidity:65.0%
 Test Distance:10.200m [K=1.0000]
 Remarks: