

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P1067210

Luminaire Tested: **NAV-SA4B-727-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067210
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4B-727-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14497.2 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 144.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

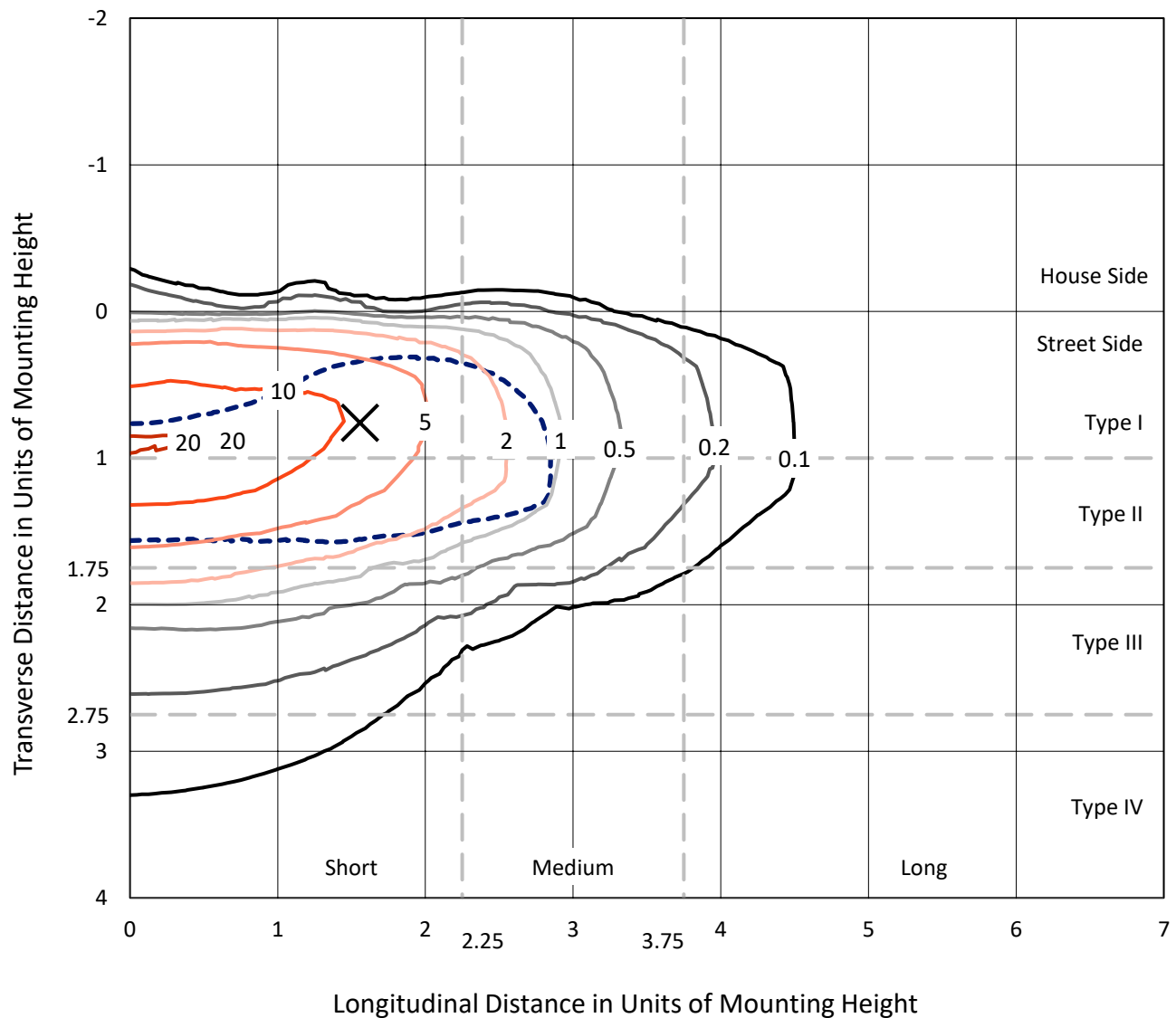


REPORT NUMBER: P1067210

CATALOG NUMBER: NAV-SA4B-727-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

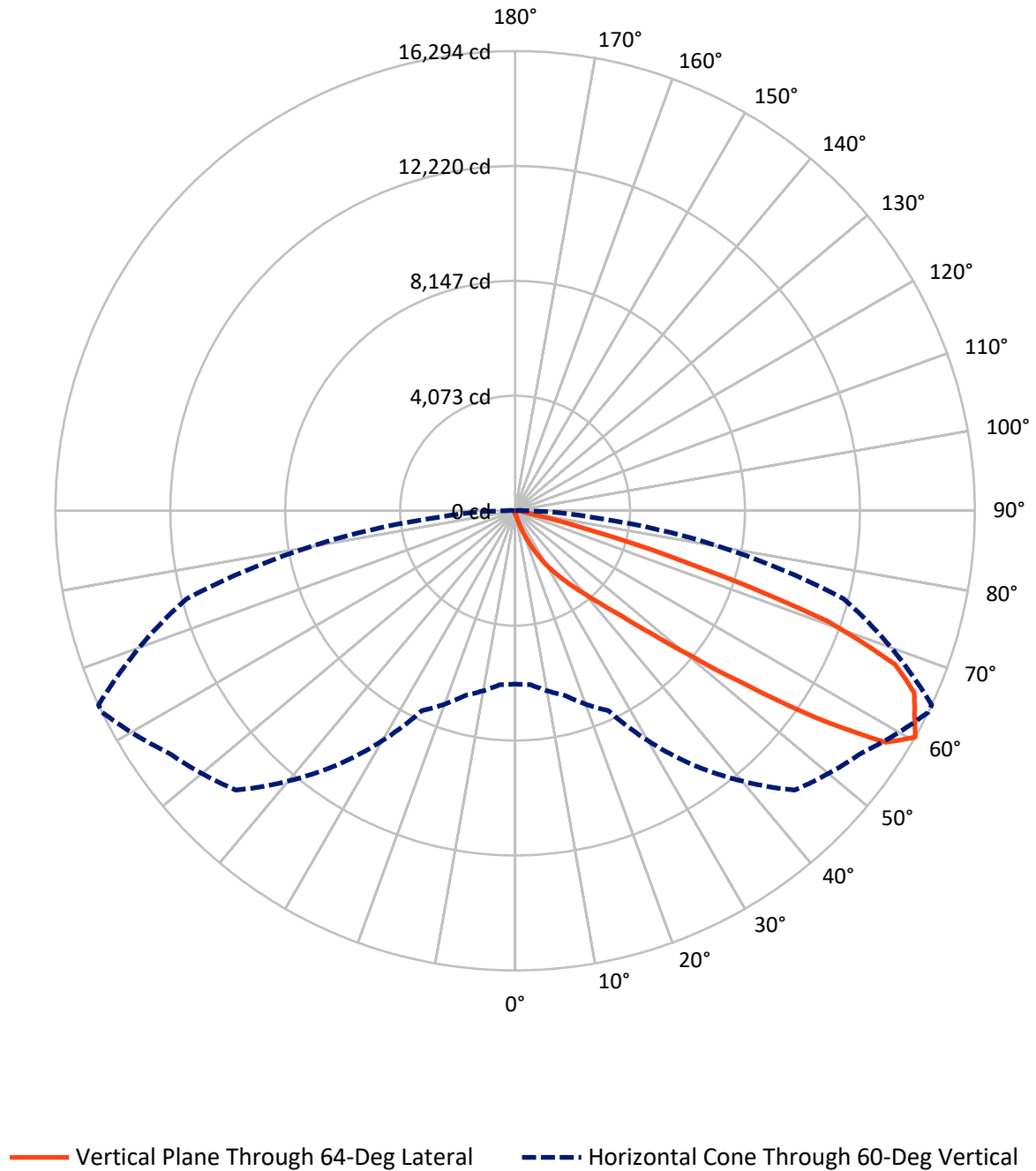


Based on 15 foot mounting height. Maximum calculated value = 20.8 fc
 Type II - Short - N/A

REPORT NUMBER: P1067210

CATALOG NUMBER: NAV-SA4B-727-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067210

CATALOG NUMBER: NAV-SA4B-727-U-T2BC

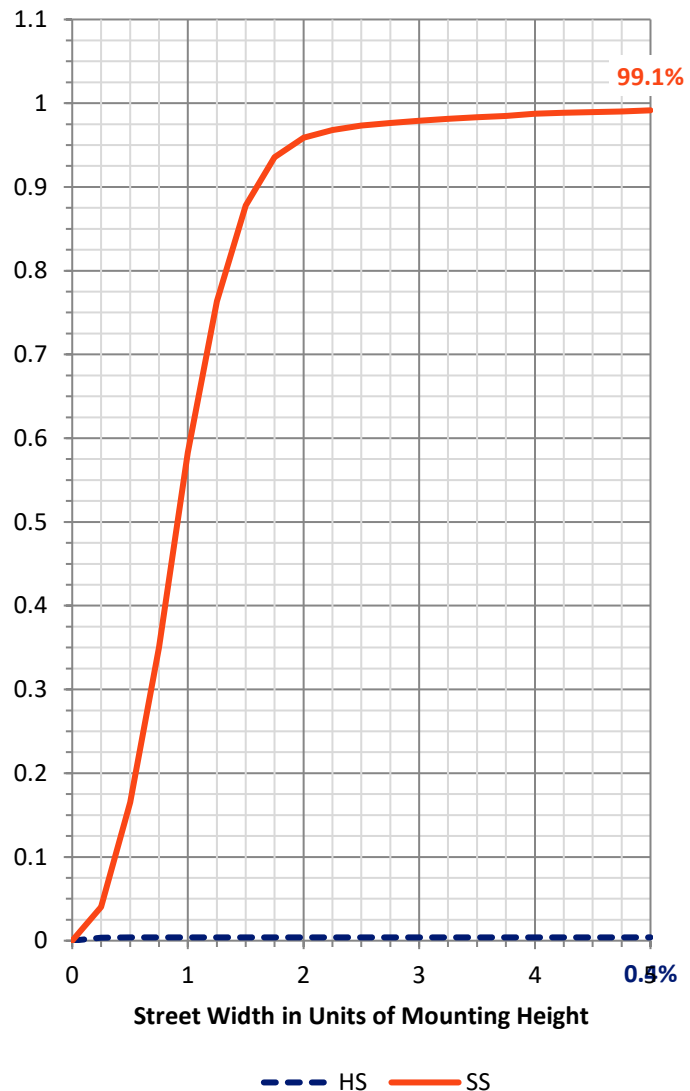
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	58.8	0.0	58.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14438.4	0.0	14438.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	14497.2	0.0	14497.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.1
10°-20°	142.5	1.0
20°-30°	473.2	3.3
30°-40°	1262.5	8.7
40°-50°	3209.0	22.1
50°-60°	4678.0	32.3
60°-70°	3613.3	24.9
70°-80°	992.3	6.8
80°-90°	112.0	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14497.2	100.0
0°-180°	14497.2	100.0



REPORT NUMBER: P1067210

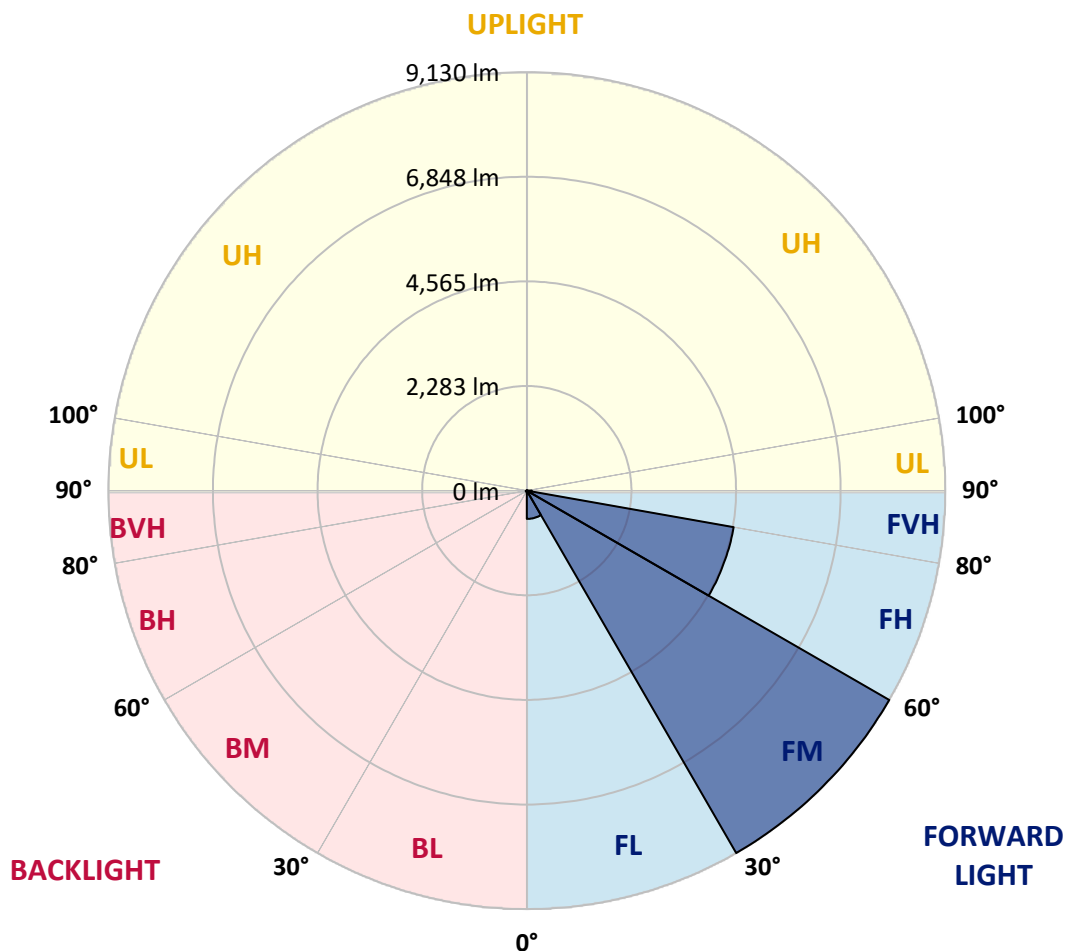
CATALOG NUMBER: NAV-SA4B-727-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	616.8	4.3			
FM	(30°-60°)	9130.1	63.0			
FH	(60°-80°)	4582.2	31.6			G2/5000
FVH	(80°-90°)	109.4	0.8			G2/225
BL	(0°-30°)	13.2	0.1	B0/110		
BM	(30°-60°)	19.5	0.1	B0/220		
BH	(60°-80°)	23.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Short



REPORT NUMBER: P1067210

CATALOG NUMBER: NAV-SA4B-727-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	127.7	127.7	127.7	123.7	119.7	119.7	115.7	111.7	111.7	103.8	99.8
5°	195.5	195.5	187.6	179.6	167.6	151.6	135.7	123.7	123.7	111.7	103.8
7.5°	383.1	395.1	359.2	315.3	255.4	215.5	171.6	139.7	139.7	119.7	103.8
10°	830.0	822.1	766.2	658.4	518.8	375.1	239.4	167.6	167.6	127.7	103.8
12.5°	1249.0	1261.0	1201.2	1081.4	913.8	666.4	411.0	219.5	219.5	139.7	103.8
15°	1608.2	1608.2	1568.3	1508.4	1324.9	1065.5	662.4	311.3	311.3	151.6	99.8
17.5°	1855.6	1851.6	1835.7	1819.7	1712.0	1444.6	1013.6	478.9	478.9	179.6	99.8
20°	2135.0	2123.0	2142.9	2111.0	2027.2	1815.7	1384.7	746.2	746.2	227.5	99.8
22.5°	2426.3	2438.2	2454.2	2422.3	2330.5	2146.9	1775.8	1081.4	1081.4	315.3	103.8
25°	2797.4	2789.4	2825.3	2797.4	2681.7	2466.2	2142.9	1424.6	1424.6	439.0	111.7
27.5°	3252.3	3236.3	3260.3	3188.5	3036.8	2817.3	2470.2	1787.8	1787.8	630.5	127.7
30°	3854.9	3866.9	3759.1	3675.3	3459.8	3168.5	2833.3	2190.8	2190.8	858.0	143.7
32.5°	4804.6	4720.8	4553.2	4214.0	3930.7	3559.6	3196.4	2558.0	2558.0	1149.3	167.6
35°	6285.1	6301.1	5934.0	5096.0	4481.4	4050.4	3595.5	2977.0	2977.0	1480.5	199.5
37.5°	8088.9	8045.0	7721.7	6664.2	5287.5	4661.0	4050.4	3372.0	3372.0	1839.7	239.4
40°	10132.0	9948.5	9760.9	9042.6	6967.5	5427.2	4625.1	3890.8	3890.8	2254.7	303.3
42.5°	11768.2	11720.3	11752.2	11452.9	9768.9	6732.1	5387.3	4481.4	4481.4	2769.5	415.0
45°	12574.3	12506.4	12698.0	12921.4	12490.5	9509.5	6616.4	5223.6	5223.6	3376.0	586.6
47.5°	12358.8	12310.9	12721.9	13160.9	13735.5	12729.9	8623.6	6289.1	6289.1	4154.2	842.0
50°	11297.3	11301.3	11975.7	12793.7	13703.6	14362.0	11596.6	7817.5	7817.5	5187.7	1241.1
52.5°	10263.7	10295.7	11010.0	12203.1	13228.7	14553.6	14206.4	9780.9	9780.9	6404.9	1712.0
55°	9202.2	9218.2	9848.7	11528.7	13005.2	13982.9	15547.2	12502.4	12502.4	7921.3	2170.9
57.5°	8180.7	8180.7	8416.1	9908.6	12761.8	13931.1	15387.6	15104.3	15104.3	9653.2	2510.1
60°	6145.5	6185.4	6772.0	7817.5	11006.0	14006.9	14980.6	16293.5	16293.5	12055.5	2769.5
62.5°	3104.7	3164.5	3894.8	4912.4	7550.1	12961.4	15044.4	15954.3	15954.3	14174.5	3360.1
65°	1456.6	1524.4	1915.5	2633.8	4062.4	9122.4	14382.0	15527.3	15527.3	13771.4	4605.1
67.5°	1045.5	1065.5	1197.2	1536.4	2186.8	3998.5	10978.0	14529.6	14529.6	11700.3	5295.5
70°	937.8	937.8	969.7	1069.5	1316.9	1787.8	5335.4	12330.8	12330.8	9034.6	4908.4
72.5°	925.8	917.8	909.8	913.8	889.9	897.9	1831.7	7454.4	7454.4	6321.1	3914.7
75°	901.9	901.9	893.9	866.0	710.3	578.6	630.5	3104.7	3104.7	4222.0	2905.1
77.5°	714.3	786.1	869.9	818.1	650.5	435.0	367.1	981.7	981.7	2589.9	2107.0
80°	331.2	335.2	331.2	347.2	415.0	311.3	271.4	383.1	383.1	1436.6	1304.9
82.5°	239.4	243.4	231.5	207.5	183.6	167.6	223.5	299.3	299.3	658.4	486.8
85°	71.8	67.8	79.8	107.7	127.7	147.7	187.6	247.4	247.4	243.4	71.8
87.5°	31.9	31.9	39.9	55.9	75.8	111.7	163.6	219.5	219.5	251.4	20.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067210

CATALOG NUMBER: NAV-SA4B-727-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	99.8	95.8	91.8	87.8	83.8	79.8	75.8	75.8	79.8	79.8	79.8
5°	95.8	91.8	83.8	75.8	71.8	67.8	63.8	63.8	67.8	67.8	67.8
7.5°	95.8	87.8	79.8	71.8	63.8	59.9	55.9	55.9	55.9	59.9	59.9
10°	95.8	87.8	75.8	63.8	55.9	51.9	47.9	43.9	47.9	47.9	47.9
12.5°	91.8	83.8	71.8	59.9	47.9	39.9	35.9	35.9	35.9	35.9	35.9
15°	87.8	79.8	67.8	51.9	39.9	31.9	23.9	23.9	23.9	27.9	27.9
17.5°	83.8	75.8	59.9	39.9	27.9	20.0	16.0	16.0	16.0	20.0	20.0
20°	83.8	71.8	51.9	31.9	20.0	12.0	8.0	8.0	8.0	12.0	16.0
22.5°	83.8	71.8	47.9	23.9	12.0	8.0	4.0	4.0	4.0	4.0	4.0
25°	83.8	67.8	43.9	20.0	8.0	4.0	0.0	0.0	4.0	8.0	12.0
27.5°	83.8	63.8	35.9	12.0	8.0	4.0	0.0	4.0	8.0	8.0	8.0
30°	83.8	63.8	31.9	12.0	4.0	0.0	0.0	4.0	8.0	8.0	12.0
32.5°	87.8	59.9	27.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	91.8	55.9	23.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	99.8	55.9	16.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	111.7	59.9	16.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	139.7	63.8	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	195.5	79.8	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	287.3	119.7	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	419.0	163.6	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	514.8	163.6	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	510.8	103.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	391.1	71.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	331.2	51.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	399.1	39.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	710.3	35.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1141.3	35.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1277.0	35.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	997.6	31.9	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	546.7	27.9	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	275.3	20.0	8.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	115.7	16.0	8.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0
82.5°	39.9	16.0	8.0	8.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0
85°	20.0	12.0	12.0	8.0	8.0	4.0	4.0	0.0	0.0	0.0	0.0
87.5°	12.0	12.0	12.0	8.0	8.0	4.0	4.0	0.0	0.0	0.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

TM-30-18

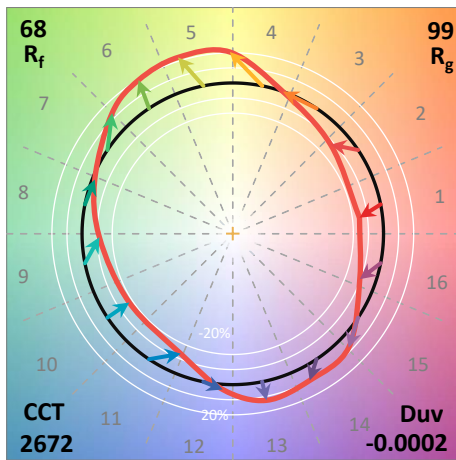
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

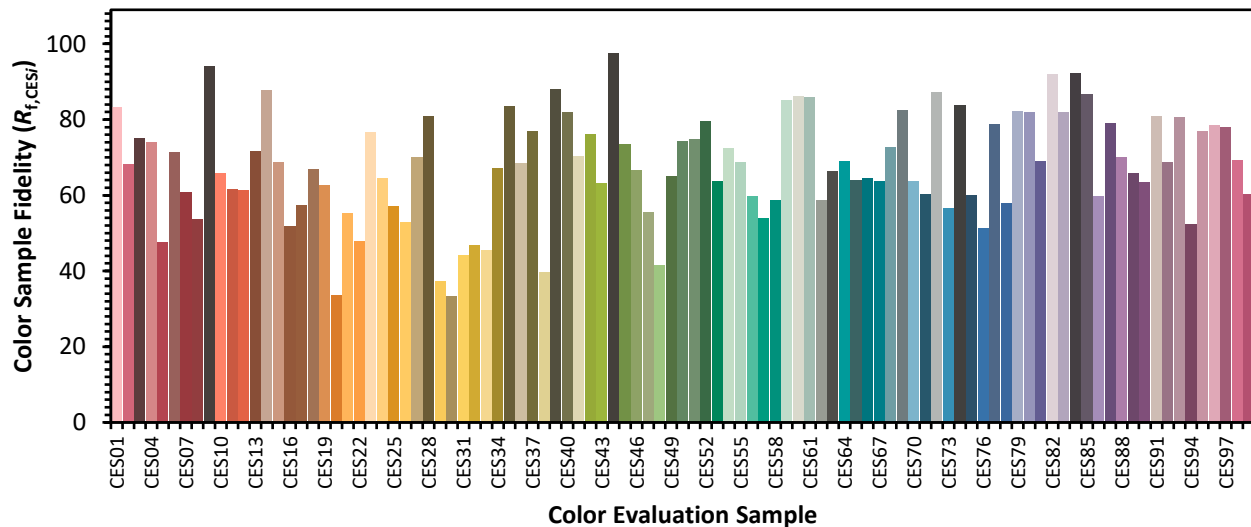


Color Vector Graphics



Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)