

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: McGRAW-EDISON

Report Number: P991239

Luminaire Tested: **GPC-SA2A-727-U-RBC**

Issue Date: 07/03/2025

Test Information

Test Method: LM-79-08
Report Number: P991239
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA2A-727-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 615mA 2xLight Square PACKAGE 70CRI
2700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (28) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5168.1 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

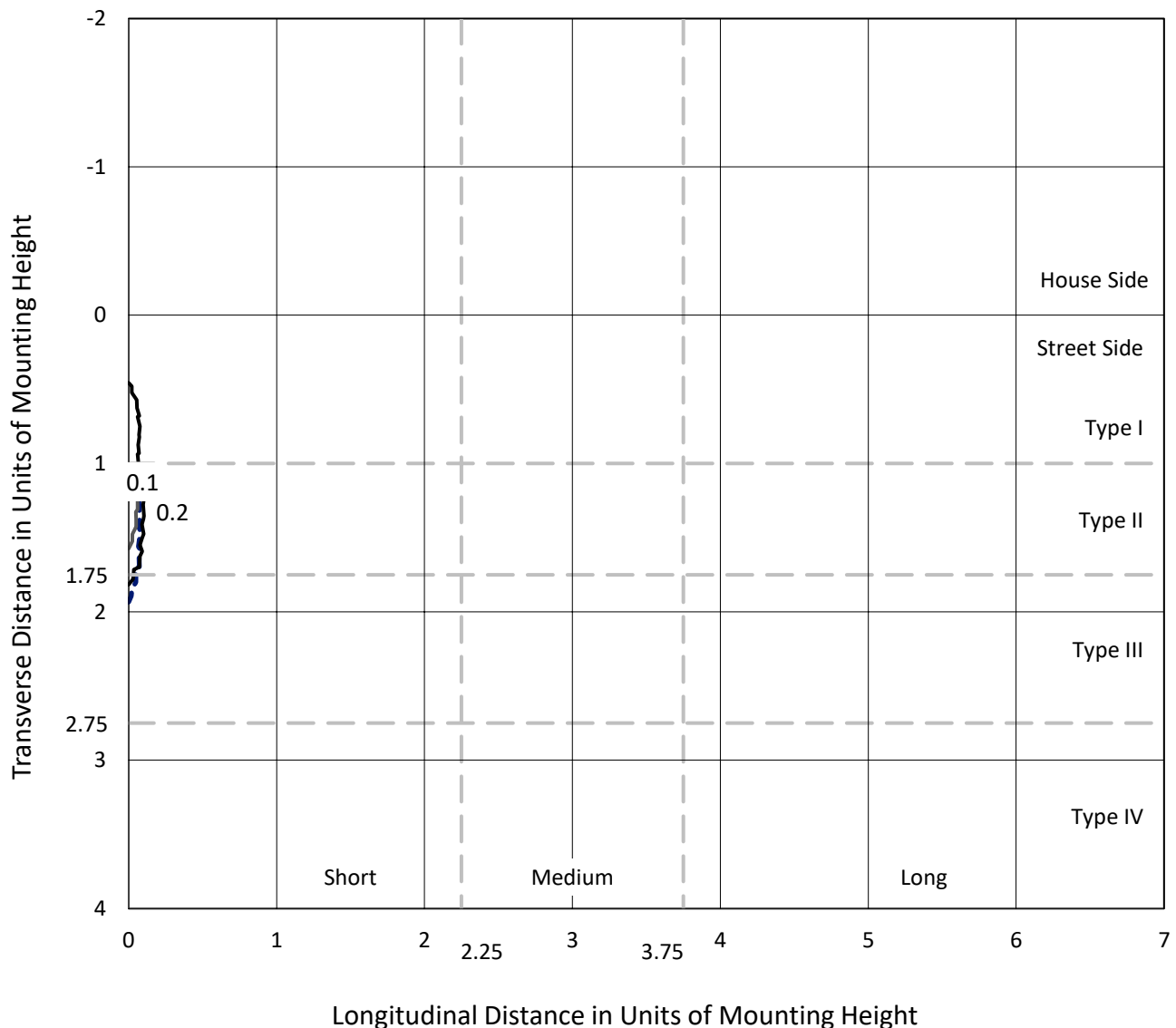


REPORT NUMBER: P991239

CATALOG NUMBER: GPC-SA2A-727-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

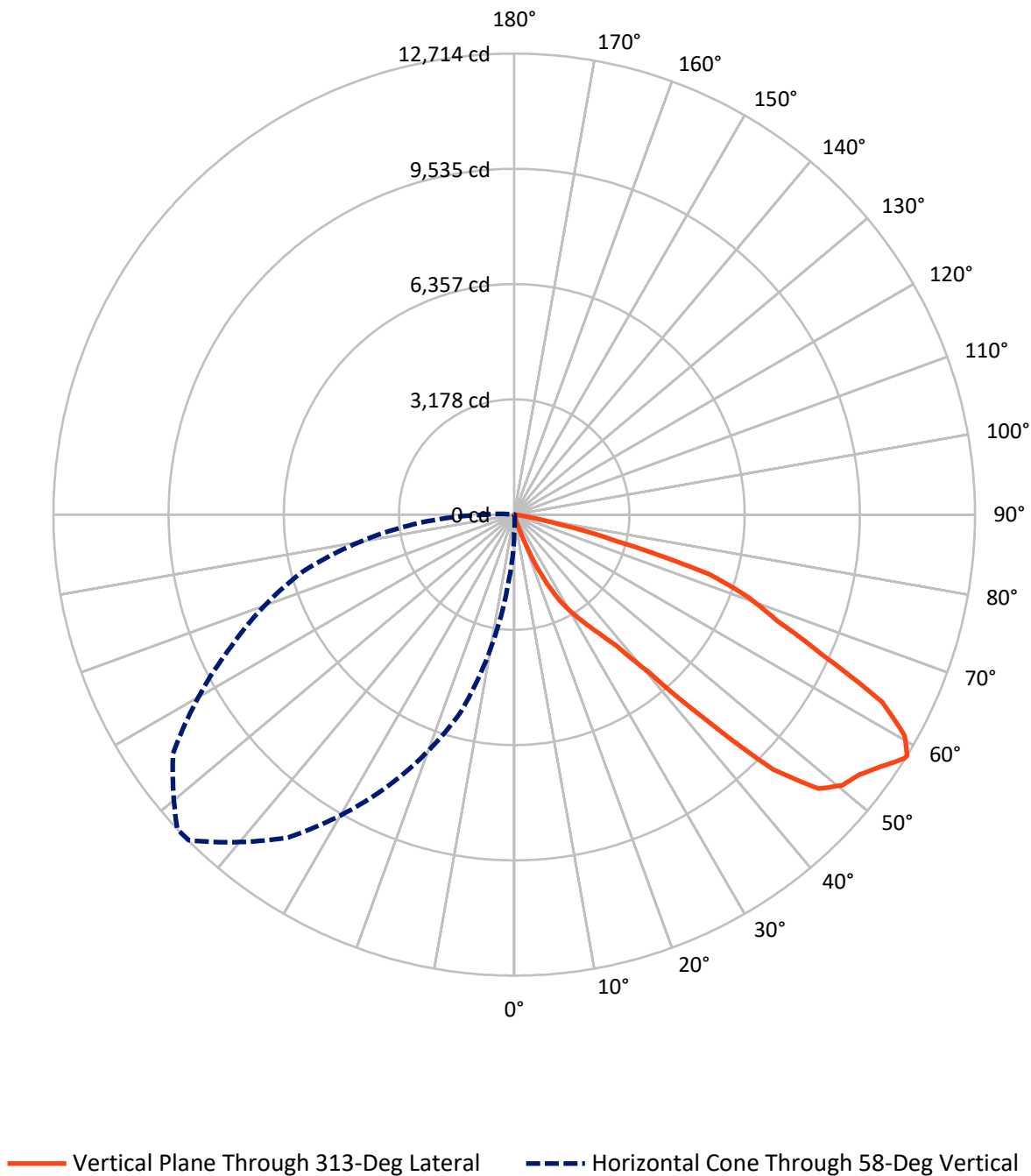


Based on 20 foot mounting height. Maximum calculated value = 0.3 fc
 Type III - Short - N/A

REPORT NUMBER: P991239

CATALOG NUMBER: GPC-SA2A-727-U-RBC

Luminous Intensity Polar Plot



REPORT NUMBER: P991239

CATALOG NUMBER: GPC-SA2A-727-U-RBC

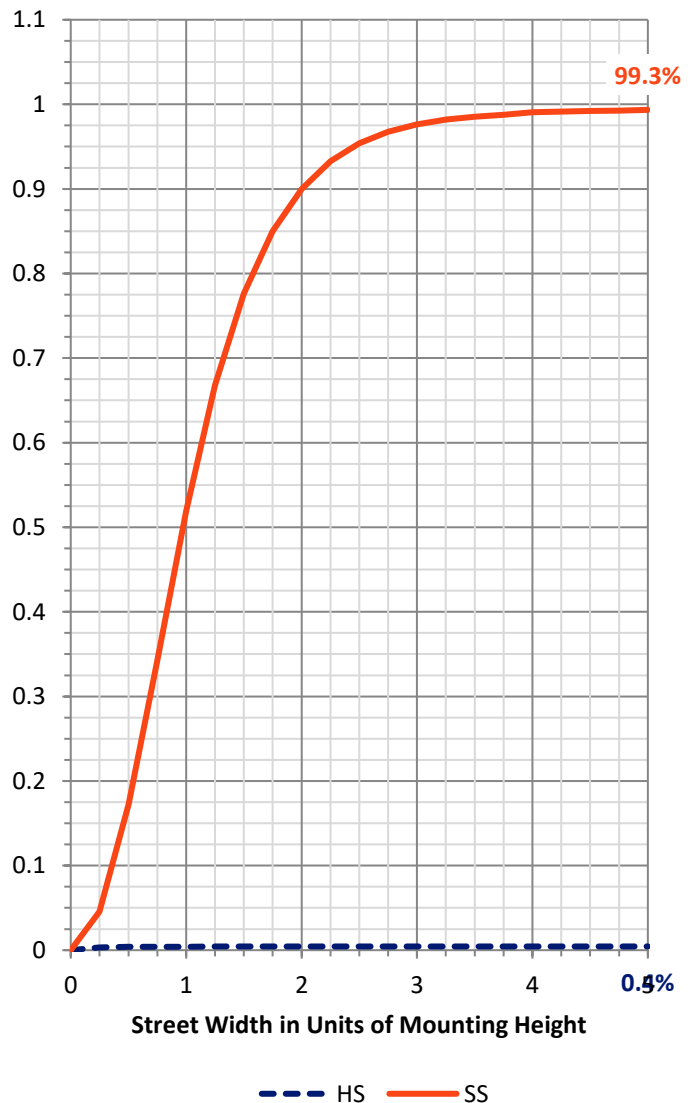
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.1	0.0	23.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5144.9	0.0	5144.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	5168.1	0.0	5168.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	9.0	0.2
20°-30°	130.5	2.5
30°-40°	375.2	7.3
40°-50°	1068.8	20.7
50°-60°	1681.2	32.5
60°-70°	1433.7	27.7
70°-80°	457.3	8.8
80°-90°	11.6	0.2
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°	5168.1	100.0
0°-180°	5168.1	100.0



REPORT NUMBER: P991239

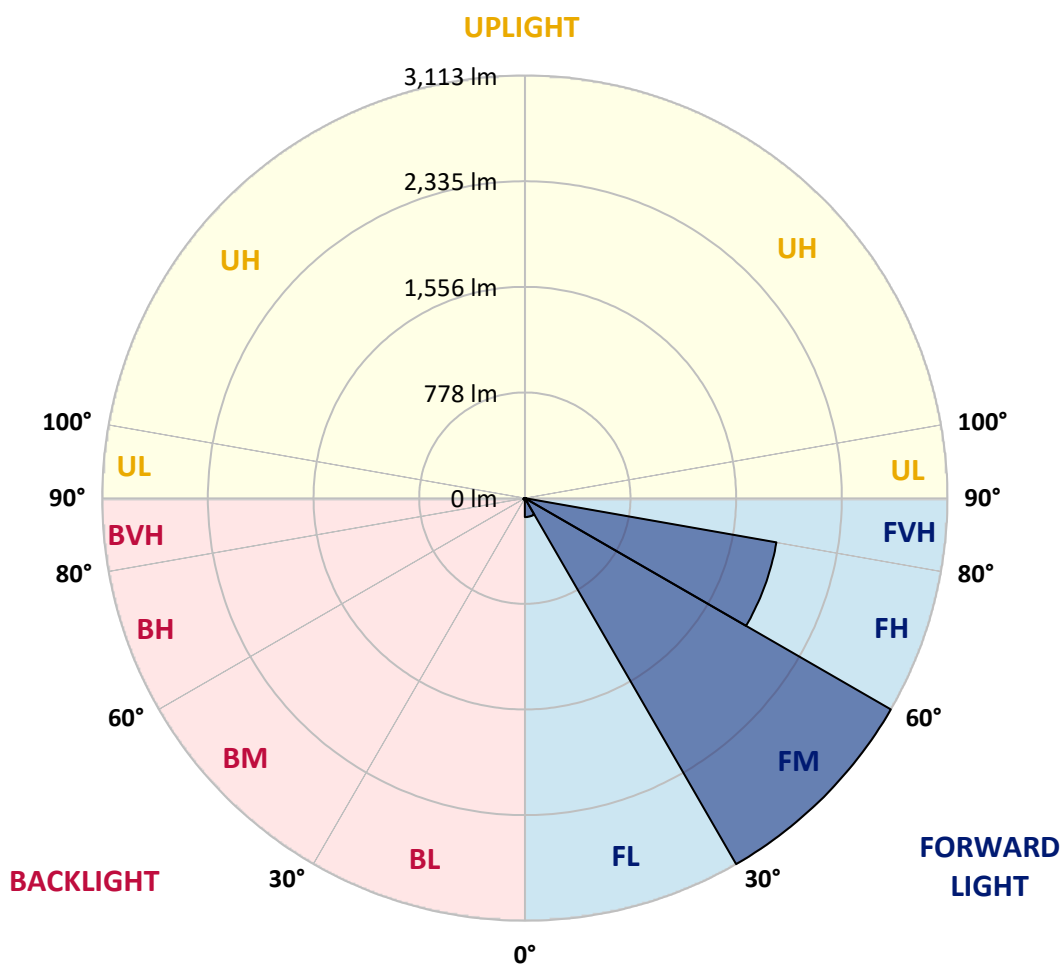
CATALOG NUMBER: GPC-SA2A-727-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.3	2.7			
FM	(30°-60°)	3112.8	60.2			
FH	(60°-80°)	1881.8	36.4			G2/5000
FVH	(80°-90°)	11.0	0.2			G1/100
BL	(0°-30°)	0.9	0.0	B0/110		
BM	(30°-60°)	12.4	0.2	B0/220		
BH	(60°-80°)	9.2	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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 III Short



REPORT NUMBER: P991239

CATALOG NUMBER: GPC-SA2A-727-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	18.6	19.7	20.7	19.7	17.6	13.4	13.4	10.3	7.2	4.1	3.1
5°	20.7	20.7	20.7	19.7	17.6	13.4	12.4	9.3	6.2	4.1	2.1
7.5°	22.8	22.8	21.7	19.7	16.5	13.4	12.4	9.3	6.2	3.1	0.0
10°	24.8	24.8	22.8	20.7	16.5	12.4	11.4	8.3	5.2	2.1	0.0
12.5°	27.9	26.9	23.8	20.7	16.5	11.4	11.4	8.3	4.1	1.0	0.0
15°	32.1	29.0	24.8	20.7	15.5	11.4	10.3	7.2	3.1	0.0	0.0
17.5°	35.2	32.1	25.9	19.7	14.5	10.3	9.3	6.2	3.1	0.0	0.0
20°	38.3	33.1	25.9	19.7	14.5	9.3	8.3	5.2	1.0	0.0	0.0
22.5°	43.4	35.2	25.9	19.7	13.4	8.3	7.2	4.1	0.0	0.0	0.0
25°	53.8	37.2	25.9	18.6	12.4	7.2	6.2	2.1	0.0	0.0	0.0
27.5°	66.2	40.3	25.9	17.6	11.4	6.2	5.2	1.0	0.0	0.0	0.0
30°	79.6	43.4	25.9	17.6	10.3	5.2	4.1	0.0	0.0	0.0	0.0
32.5°	94.1	47.6	25.9	16.5	9.3	4.1	3.1	0.0	0.0	0.0	0.0
35°	121.0	53.8	25.9	16.5	8.3	3.1	2.1	0.0	0.0	0.0	0.0
37.5°	133.4	62.1	25.9	15.5	8.3	2.1	1.0	0.0	0.0	0.0	0.0
40°	138.6	60.0	24.8	15.5	7.2	1.0	0.0	0.0	0.0	0.0	0.0
42.5°	150.0	55.9	25.9	14.5	7.2	1.0	0.0	0.0	0.0	0.0	0.0
45°	183.1	55.9	27.9	14.5	6.2	2.1	0.0	0.0	0.0	0.0	0.0
47.5°	317.5	57.9	26.9	14.5	6.2	2.1	0.0	0.0	0.0	0.0	0.0
50°	522.3	68.3	25.9	15.5	7.2	1.0	0.0	0.0	0.0	0.0	0.0
52.5°	606.1	82.7	25.9	16.5	9.3	0.0	0.0	0.0	0.0	0.0	0.0
55°	581.3	101.4	25.9	17.6	11.4	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	528.5	96.2	27.9	20.7	14.5	0.0	0.0	0.0	0.0	0.0	0.0
58°	508.9	96.2	27.9	20.7	14.5	0.0	0.0	0.0	0.0	0.0	0.0
60°	399.2	98.3	32.1	22.8	15.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	296.8	100.3	36.2	25.9	15.5	1.0	0.0	0.0	0.0	0.0	0.0
65°	220.3	104.5	38.3	30.0	14.5	2.1	0.0	0.0	0.0	0.0	0.0
67.5°	175.8	107.6	41.4	33.1	16.5	4.1	1.0	0.0	0.0	0.0	0.0
70°	151.0	103.4	44.5	34.1	15.5	6.2	3.1	0.0	0.0	0.0	0.0
72.5°	134.5	97.2	50.7	33.1	16.5	6.2	3.1	0.0	0.0	0.0	0.0
75°	121.0	88.9	57.9	32.1	16.5	6.2	4.1	0.0	0.0	0.0	0.0
77.5°	91.0	77.6	56.9	31.0	15.5	6.2	4.1	0.0	0.0	0.0	0.0
80°	45.5	51.7	49.6	27.9	12.4	5.2	4.1	1.0	0.0	0.0	0.0
82.5°	18.6	19.7	24.8	20.7	10.3	4.1	4.1	1.0	0.0	0.0	0.0
85°	2.1	4.1	7.2	8.3	7.2	4.1	4.1	1.0	0.0	0.0	0.0
87.5°	0.0	1.0	4.1	6.2	5.2	3.1	2.1	0.0	0.0	0.0	0.0
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: P991239

CATALOG NUMBER: GPC-SA2A-727-U-RBC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P991239

CATALOG NUMBER: GPC-SA2A-727-U-RBC

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	1.0	2.1	2.1	2.1	3.1	3.1	4.1	5.2	5.2	5.2	6.2
5°	0.0	0.0	1.0	1.0	2.1	3.1	4.1	6.2	7.2	7.2	8.3
7.5°	0.0	0.0	0.0	1.0	2.1	3.1	4.1	6.2	8.3	9.3	10.3
10°	0.0	0.0	0.0	0.0	1.0	2.1	4.1	7.2	10.3	12.4	14.5
12.5°	0.0	0.0	0.0	0.0	0.0	1.0	4.1	8.3	12.4	15.5	17.6
15°	0.0	0.0	0.0	0.0	0.0	1.0	4.1	8.3	15.5	18.6	22.8
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	9.3	17.6	22.8	31.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	9.3	19.7	27.9	46.5
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	9.3	21.7	36.2	85.8
25°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	9.3	24.8	53.8	142.7
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	10.3	30.0	75.5	208.9
30°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	10.3	37.2	102.4	291.7
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.3	43.4	129.3	397.2
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	51.7	171.7	498.5
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	64.1	189.3	584.4
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	61.0	205.8	682.6
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	55.9	229.6	836.7
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	55.9	304.1	1178.1
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	68.3	473.7	1800.7
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	87.9	727.1	2564.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	106.5	894.7	3006.7
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	128.3	895.7	2992.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	142.7	801.6	2700.5
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	141.7	775.7	2619.9
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.3	124.1	673.3	2286.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	16.5	108.6	483.0	1895.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	8.3	18.6	99.3	350.6	1423.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.3	21.7	95.2	248.2	989.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	12.4	24.8	87.9	177.9	651.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.4	31.0	82.7	139.6	393.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	12.4	39.3	72.4	113.8	211.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.4	42.4	60.0	82.7	128.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	11.4	38.3	43.4	36.2	43.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.2	22.8	9.3	9.3	14.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P991239

CATALOG NUMBER: GPC-SA2A-727-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	7.2	7.2	7.2	7.2	8.3	8.3	11.4	14.5	17.6	18.6
5°	9.3	10.3	11.4	11.4	11.4	12.4	14.5	16.5	19.7	20.7
7.5°	13.4	14.5	16.5	16.5	16.5	17.6	18.6	20.7	22.8	22.8
10°	17.6	20.7	21.7	22.8	23.8	23.8	23.8	24.8	25.9	24.8
12.5°	23.8	27.9	33.1	34.1	34.1	34.1	33.1	31.0	29.0	27.9
15°	33.1	45.5	62.1	68.3	65.2	57.9	50.7	39.3	34.1	32.1
17.5°	61.0	124.1	225.5	249.3	244.1	210.0	123.1	60.0	40.3	35.2
20°	164.5	401.3	661.9	725.0	758.1	627.8	363.0	139.6	49.6	38.3
22.5°	354.8	833.6	1291.8	1455.2	1465.6	1179.1	706.4	283.4	71.4	43.4
25°	570.9	1333.2	1957.9	2116.2	2119.3	1817.2	1129.4	459.2	108.6	53.8
27.5°	875.0	1869.0	2568.1	2699.5	2697.4	2391.3	1632.1	701.2	152.0	66.2
30°	1186.3	2286.8	2970.5	3133.9	3149.4	2783.3	2052.0	987.7	198.6	79.6
32.5°	1494.5	2596.1	3337.6	3554.8	3541.4	3129.8	2344.7	1222.5	278.2	94.1
35°	1737.6	2859.8	3744.1	4011.0	4021.3	3510.4	2604.3	1450.1	346.5	121.0
37.5°	1945.5	3200.1	4285.1	4593.3	4606.7	3984.1	2876.4	1673.5	405.4	133.4
40°	2202.0	3758.6	5180.7	5704.1	5706.2	4867.4	3365.6	1923.8	485.1	138.6
42.5°	2778.1	4955.3	6930.8	7682.7	7747.8	6700.1	4477.4	2466.8	610.2	150.0
45°	3930.3	6532.6	9162.8	10028.5	10111.2	8980.7	6383.6	3720.3	885.4	183.1
47.5°	5300.7	7904.0	10459.8	11293.4	11348.2	10059.5	7659.9	5170.4	1507.0	317.5
50°	6143.7	8411.9	10936.6	11731.9	11741.2	10414.2	8060.2	5923.4	2147.2	522.3
52.5°	6405.3	8477.0	10955.2	11917.1	11944.0	10372.9	8115.0	6075.4	2414.0	606.1
55°	6298.8	8438.8	11151.7	12270.8	12299.8	10541.5	8077.8	5908.9	2288.9	581.3
57.5°	6055.8	8587.7	11474.4	12690.7	12690.7	10852.8	8215.3	5629.6	1982.7	528.5
58°	6019.6	8624.9	11492.0	12713.5	12704.2	10872.4	8272.2	5589.3	1915.5	508.9
60°	5969.9	8739.7	11361.7	12377.3	12350.4	10733.8	8375.7	5553.1	1589.7	399.2
62.5°	5897.5	8481.2	10412.2	11388.5	11319.2	9762.6	8078.8	5341.1	1186.3	296.8
65°	5526.2	7526.5	8679.7	9356.2	9334.4	8031.2	6953.5	4784.6	854.3	220.3
67.5°	4658.4	5892.3	7011.4	7826.5	7831.6	6556.4	5438.3	3823.8	581.3	175.8
70°	3276.6	4346.1	5960.6	6867.7	6909.0	5499.3	4028.6	2548.5	383.7	151.0
72.5°	1956.9	3282.8	4956.3	5645.1	5623.4	4563.3	2989.1	1519.4	233.7	134.5
75°	948.4	1962.0	2505.0	2905.3	2888.8	2282.7	1592.8	744.7	170.7	121.0
77.5°	257.5	603.0	970.2	1261.8	1296.0	914.3	522.3	199.6	106.5	91.0
80°	86.9	186.2	316.5	430.3	441.6	395.1	196.5	70.3	46.5	45.5
82.5°	33.1	45.5	57.9	51.7	51.7	53.8	42.4	30.0	21.7	18.6
85°	0.0	0.0	1.0	2.1	2.1	3.1	3.1	3.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

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 $\text{W}^\wedge/\text{nm}$	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			

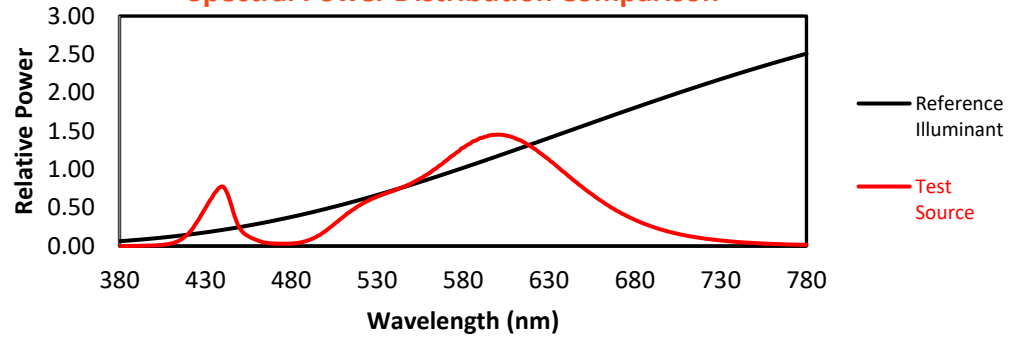
REPORT NUMBER: SP1-2407-184-3

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

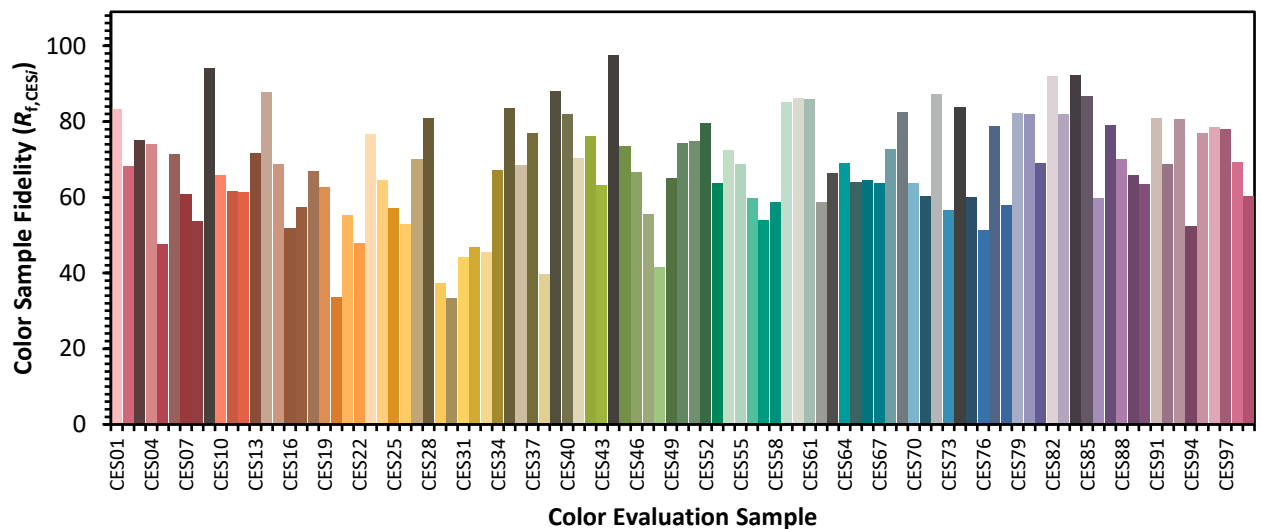


Color Vector Graphics



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)