

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: P991260

Luminaire Tested: **GPC-SA2D-740-U-RBC**

Issue Date: 07/03/2025

Test Information

Test Method: LM-79-08
Report Number: P991260
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA2D-740-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 1200mA 2xLight Square PACKAGE 70CRI
4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (28) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

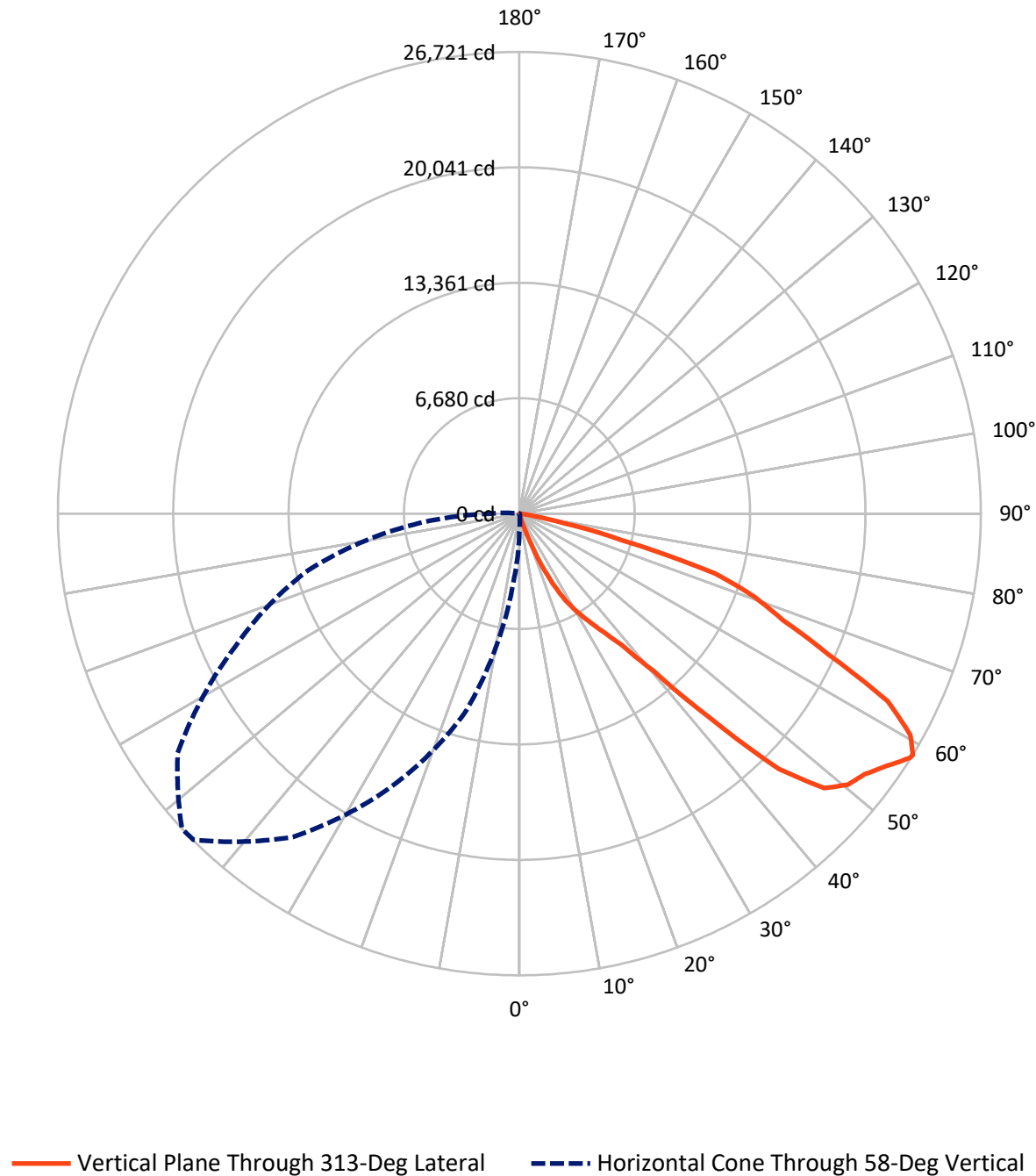
Lumens per Lamp: N/A
Luminaire Lumens: 10862.2 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 108.2
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



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Luminous Intensity Polar Plot



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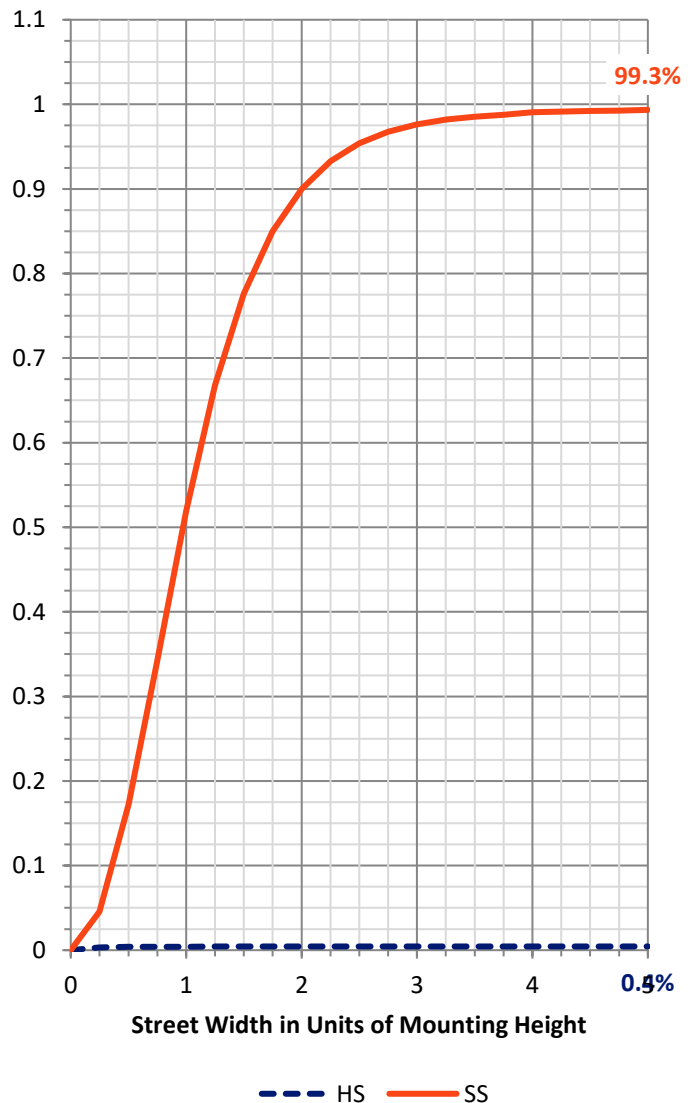
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48.6	0.0	48.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10813.7	0.0	10813.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	10862.2	0.0	10862.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.0
10°-20°	18.9	0.2
20°-30°	274.3	2.5
30°-40°	788.6	7.3
40°-50°	2246.4	20.7
50°-60°	3533.5	32.5
60°-70°	3013.3	27.7
70°-80°	961.2	8.8
80°-90°	24.5	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°	10862.2	100.0
0°-180°	10862.2	100.0



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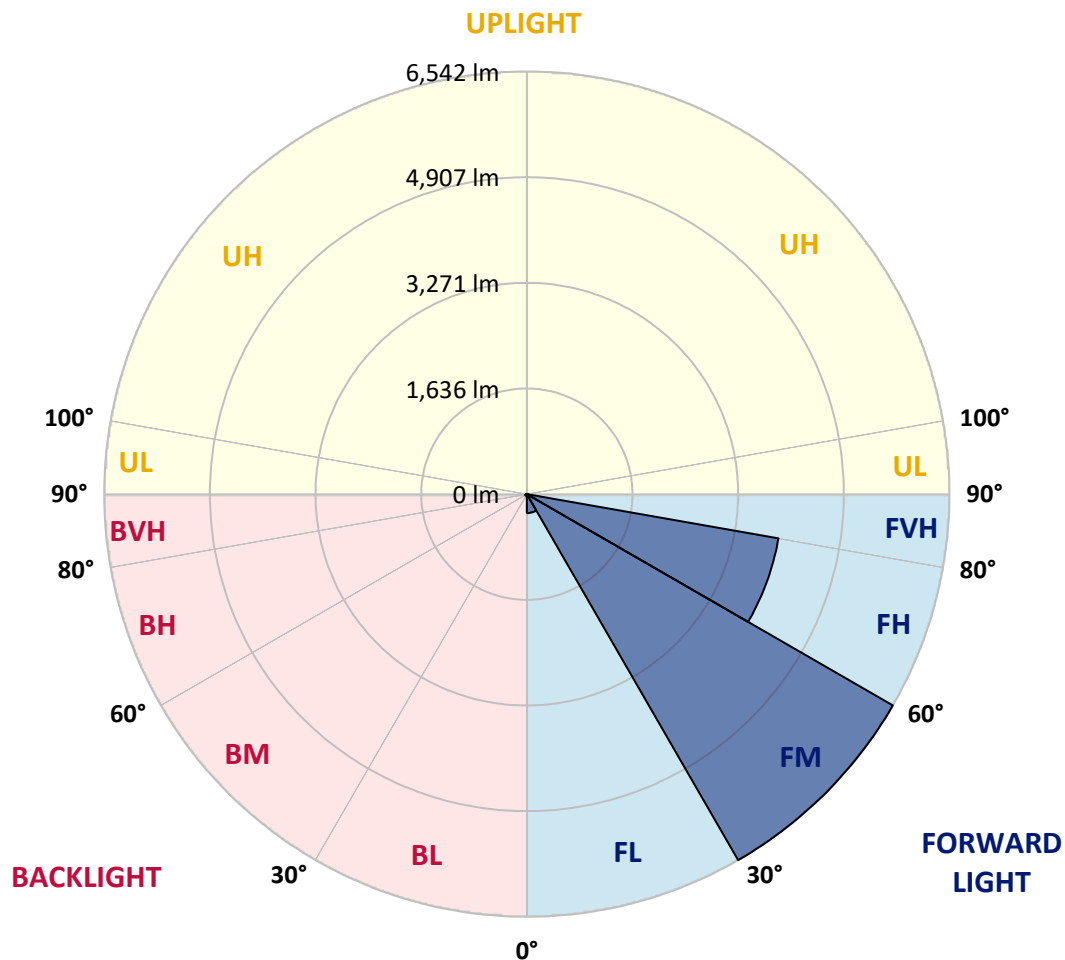
CATALOG NUMBER: GPC-SA2D-740-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.8	2.7			
FM	(30°-60°)	6542.5	60.2			
FH	(60°-80°)	3955.2	36.4			G2/5000
FVH	(80°-90°)	23.1	0.2			G1/100
BL	(0°-30°)	1.9	0.0	B0/110		
BM	(30°-60°)	26.0	0.2	B0/220		
BH	(60°-80°)	19.3	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
2.5°	39.1	41.3	43.5	41.3	37.0	28.3	28.3	21.7	15.2	8.7	6.5
5°	43.5	43.5	43.5	41.3	37.0	28.3	26.1	19.6	13.0	8.7	4.3
7.5°	47.8	47.8	45.7	41.3	34.8	28.3	26.1	19.6	13.0	6.5	0.0
10°	52.2	52.2	47.8	43.5	34.8	26.1	23.9	17.4	10.9	4.3	0.0
12.5°	58.7	56.5	50.0	43.5	34.8	23.9	23.9	17.4	8.7	2.2	0.0
15°	67.4	60.9	52.2	43.5	32.6	23.9	21.7	15.2	6.5	0.0	0.0
17.5°	73.9	67.4	54.3	41.3	30.4	21.7	19.6	13.0	6.5	0.0	0.0
20°	80.4	69.6	54.3	41.3	30.4	19.6	17.4	10.9	2.2	0.0	0.0
22.5°	91.3	73.9	54.3	41.3	28.3	17.4	15.2	8.7	0.0	0.0	0.0
25°	113.0	78.3	54.3	39.1	26.1	15.2	13.0	4.3	0.0	0.0	0.0
27.5°	139.1	84.8	54.3	37.0	23.9	13.0	10.9	2.2	0.0	0.0	0.0
30°	167.4	91.3	54.3	37.0	21.7	10.9	8.7	0.0	0.0	0.0	0.0
32.5°	197.8	100.0	54.3	34.8	19.6	8.7	6.5	0.0	0.0	0.0	0.0
35°	254.3	113.0	54.3	34.8	17.4	6.5	4.3	0.0	0.0	0.0	0.0
37.5°	280.4	130.4	54.3	32.6	17.4	4.3	2.2	0.0	0.0	0.0	0.0
40°	291.3	126.1	52.2	32.6	15.2	2.2	0.0	0.0	0.0	0.0	0.0
42.5°	315.2	117.4	54.3	30.4	15.2	2.2	0.0	0.0	0.0	0.0	0.0
45°	384.8	117.4	58.7	30.4	13.0	4.3	0.0	0.0	0.0	0.0	0.0
47.5°	667.4	121.7	56.5	30.4	13.0	4.3	0.0	0.0	0.0	0.0	0.0
50°	1097.8	143.5	54.3	32.6	15.2	2.2	0.0	0.0	0.0	0.0	0.0
52.5°	1273.9	173.9	54.3	34.8	19.6	0.0	0.0	0.0	0.0	0.0	0.0
55°	1221.7	213.0	54.3	37.0	23.9	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1110.8	202.2	58.7	43.5	30.4	0.0	0.0	0.0	0.0	0.0	0.0
58°	1069.5	202.2	58.7	43.5	30.4	0.0	0.0	0.0	0.0	0.0	0.0
60°	839.1	206.5	67.4	47.8	32.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	623.9	210.9	76.1	54.3	32.6	2.2	0.0	0.0	0.0	0.0	0.0
65°	463.0	219.6	80.4	63.0	30.4	4.3	0.0	0.0	0.0	0.0	0.0
67.5°	369.6	226.1	87.0	69.6	34.8	8.7	2.2	0.0	0.0	0.0	0.0
70°	317.4	217.4	93.5	71.7	32.6	13.0	6.5	0.0	0.0	0.0	0.0
72.5°	282.6	204.3	106.5	69.6	34.8	13.0	6.5	0.0	0.0	0.0	0.0
75°	254.3	187.0	121.7	67.4	34.8	13.0	8.7	0.0	0.0	0.0	0.0
77.5°	191.3	163.0	119.6	65.2	32.6	13.0	8.7	0.0	0.0	0.0	0.0
80°	95.7	108.7	104.3	58.7	26.1	10.9	8.7	2.2	0.0	0.0	0.0
82.5°	39.1	41.3	52.2	43.5	21.7	8.7	8.7	2.2	0.0	0.0	0.0
85°	4.3	8.7	15.2	17.4	15.2	8.7	8.7	2.2	0.0	0.0	0.0
87.5°	0.0	2.2	8.7	13.0	10.9	6.5	4.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
2.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5°	2.2	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
2.5°	2.2	4.3	4.3	4.3	6.5	6.5	8.7	10.9	10.9	10.9	13.0
5°	0.0	0.0	2.2	2.2	4.3	6.5	8.7	13.0	15.2	15.2	17.4
7.5°	0.0	0.0	0.0	2.2	4.3	6.5	8.7	13.0	17.4	19.6	21.7
10°	0.0	0.0	0.0	0.0	2.2	4.3	8.7	15.2	21.7	26.1	30.4
12.5°	0.0	0.0	0.0	0.0	0.0	2.2	8.7	17.4	26.1	32.6	37.0
15°	0.0	0.0	0.0	0.0	0.0	2.2	8.7	17.4	32.6	39.1	47.8
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.7	19.6	37.0	47.8	65.2
20°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	19.6	41.3	58.7	97.8
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	19.6	45.7	76.1	180.4
25°	0.0	0.0	0.0	0.0	0.0	0.0	4.3	19.6	52.2	113.0	300.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.3	21.7	63.0	158.7	439.1
30°	0.0	0.0	0.0	0.0	0.0	0.0	4.3	21.7	78.3	215.2	613.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	21.7	91.3	271.7	834.8
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	108.7	360.9	1047.8
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	134.8	397.8	1228.2
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	128.3	432.6	1434.8
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	117.4	482.6	1758.7
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	117.4	639.1	2476.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	143.5	995.6	3784.7
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	184.8	1528.2	5389.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	223.9	1880.4	6319.4
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	269.6	1882.6	6289.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	300.0	1684.7	5676.0
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	297.8	1630.4	5506.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	21.7	260.9	1415.2	4806.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.7	34.8	228.3	1015.2	3984.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	17.4	39.1	208.7	736.9	2991.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	21.7	45.7	200.0	521.7	2080.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	26.1	52.2	184.8	373.9	1369.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	26.1	65.2	173.9	293.5	826.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	26.1	82.6	152.2	239.1	443.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	26.1	89.1	126.1	173.9	269.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	23.9	80.4	91.3	76.1	91.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.0	47.8	19.6	19.6	30.4
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



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CATALOG NUMBER: GPC-SA2D-740-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
2.5°	15.2	15.2	15.2	15.2	17.4	17.4	23.9	30.4	37.0	39.1
5°	19.6	21.7	23.9	23.9	23.9	26.1	30.4	34.8	41.3	43.5
7.5°	28.3	30.4	34.8	34.8	34.8	37.0	39.1	43.5	47.8	47.8
10°	37.0	43.5	45.7	47.8	50.0	50.0	50.0	52.2	54.3	52.2
12.5°	50.0	58.7	69.6	71.7	71.7	71.7	69.6	65.2	60.9	58.7
15°	69.6	95.7	130.4	143.5	137.0	121.7	106.5	82.6	71.7	67.4
17.5°	128.3	260.9	473.9	523.9	513.0	441.3	258.7	126.1	84.8	73.9
20°	345.6	843.5	1391.3	1523.9	1593.4	1319.5	763.0	293.5	104.3	80.4
22.5°	745.6	1752.1	2715.2	3058.6	3080.4	2478.2	1484.8	595.6	150.0	91.3
25°	1200.0	2802.1	4115.1	4447.7	4454.3	3819.5	2373.9	965.2	228.3	113.0
27.5°	1839.1	3928.2	5397.7	5673.8	5669.4	5026.0	3430.4	1473.9	319.6	139.1
30°	2493.4	4806.4	6243.3	6586.8	6619.4	5849.9	4313.0	2076.0	417.4	167.4
32.5°	3141.2	5456.4	7015.1	7471.6	7443.3	6578.1	4928.2	2569.5	584.8	197.8
35°	3652.1	6010.7	7869.4	8430.3	8452.0	7378.1	5473.8	3047.8	728.2	254.3
37.5°	4089.0	6725.9	9006.3	9654.1	9682.4	8373.7	6045.5	3517.3	852.2	280.4
40°	4628.2	7899.8	10888.9	11988.9	11993.2	10230.2	7073.8	4043.4	1019.5	291.3
42.5°	5839.0	10415.0	14567.1	16147.5	16284.4	14082.3	9410.7	5184.7	1282.6	315.2
45°	8260.7	13730.2	19258.3	21077.8	21251.7	18875.7	13417.1	7819.4	1860.8	384.8
47.5°	11141.1	16612.7	21984.3	23736.5	23851.7	21143.0	16099.7	10867.2	3167.3	667.4
50°	12912.8	17680.1	22986.5	24658.2	24677.8	21888.7	16941.0	12449.7	4513.0	1097.8
52.5°	13462.8	17817.0	23025.6	25047.3	25103.8	21801.7	17056.2	12769.3	5073.8	1273.9
55°	13238.9	17736.6	23438.6	25790.8	25851.6	22156.1	16977.9	12419.3	4810.8	1221.7
57.5°	12728.0	18049.6	24116.9	26673.4	26673.4	22810.4	17267.0	11832.4	4167.3	1110.8
58°	12651.9	18127.9	24153.9	26721.2	26701.6	22851.7	17386.6	11747.6	4026.0	1069.5
60°	12547.6	18369.2	23879.9	26014.7	25958.2	22560.4	17604.0	11671.5	3341.2	839.1
62.5°	12395.4	17825.7	21884.3	23936.5	23790.8	20519.1	16980.1	11225.9	2493.4	623.9
65°	11615.0	15819.2	18243.1	19664.8	19619.2	16880.1	14614.9	10056.3	1795.6	463.0
67.5°	9791.1	12384.5	14736.7	16449.7	16460.5	13780.2	11430.2	8036.8	1221.7	369.6
70°	6886.8	9134.6	12528.0	14434.5	14521.4	11558.5	8467.2	5356.4	806.5	317.4
72.5°	4113.0	6899.9	10417.2	11865.0	11819.3	9591.1	6282.5	3193.4	491.3	282.6
75°	1993.4	4123.8	5265.1	6106.4	6071.6	4797.7	3347.8	1565.2	358.7	254.3
77.5°	541.3	1267.4	2039.1	2652.1	2723.9	1921.7	1097.8	419.6	223.9	191.3
80°	182.6	391.3	665.2	904.3	928.2	830.4	413.0	147.8	97.8	95.7
82.5°	69.6	95.7	121.7	108.7	108.7	113.0	89.1	63.0	45.7	39.1
85°	0.0	0.0	2.2	4.3	4.3	6.5	6.5	6.5	4.3	4.3
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

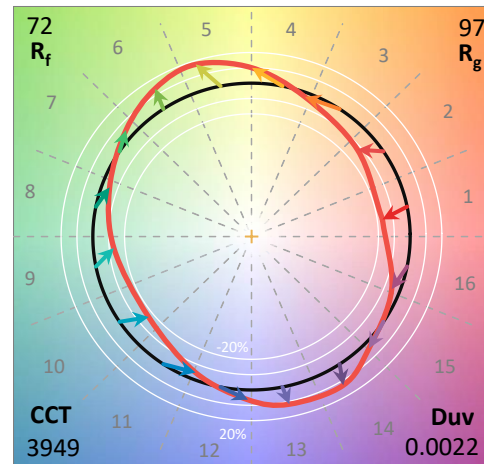
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

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: SP1-2407-184-1

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.47

λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

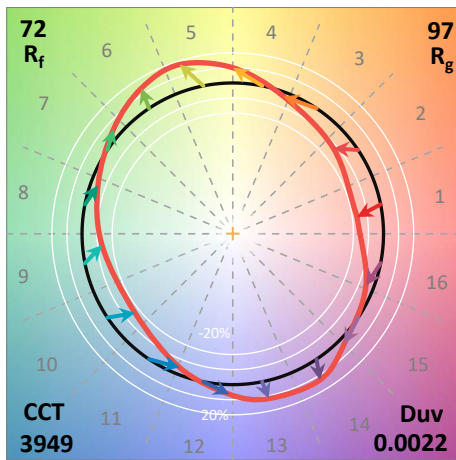
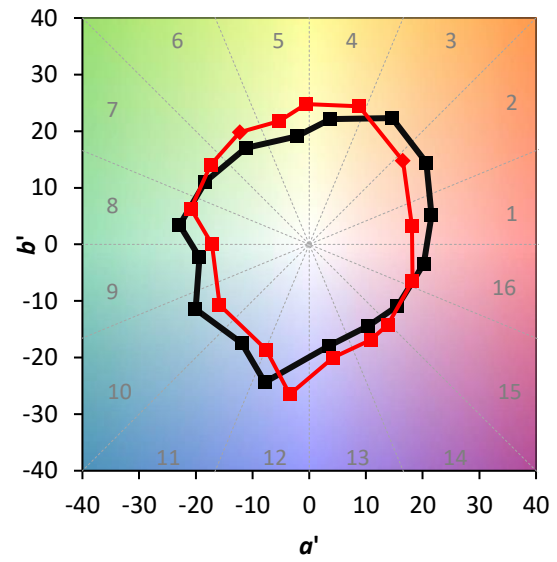
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 CIE $R_a = 70.7$
 $R_g = -36.7$



Color Vector Graphics

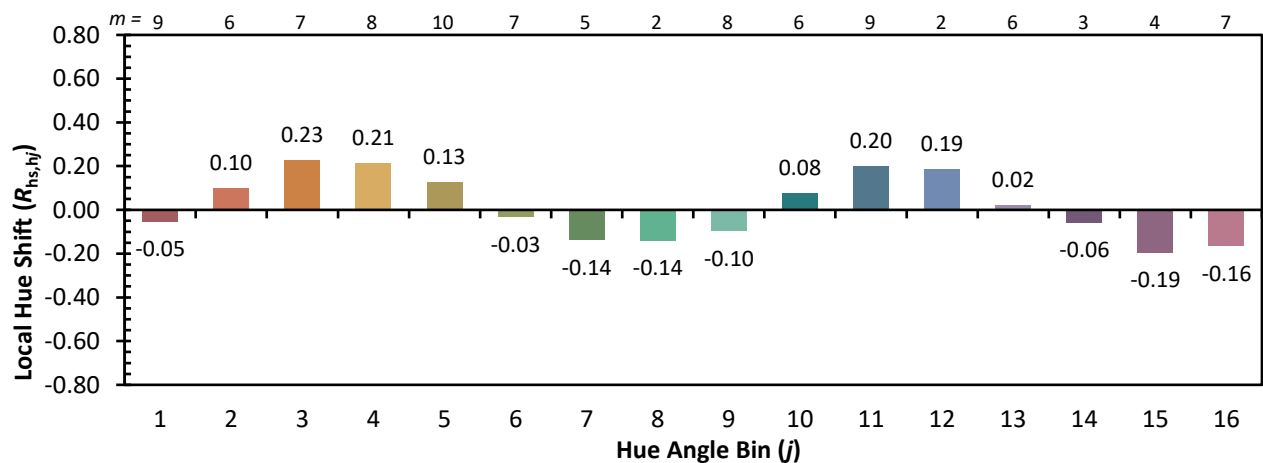


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)