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: P1364565

Luminaire Tested: **GSS-SB4C-727-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364565
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-727-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20288.5 lumens
Efficiency:	N/A
Efficacy:	99.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

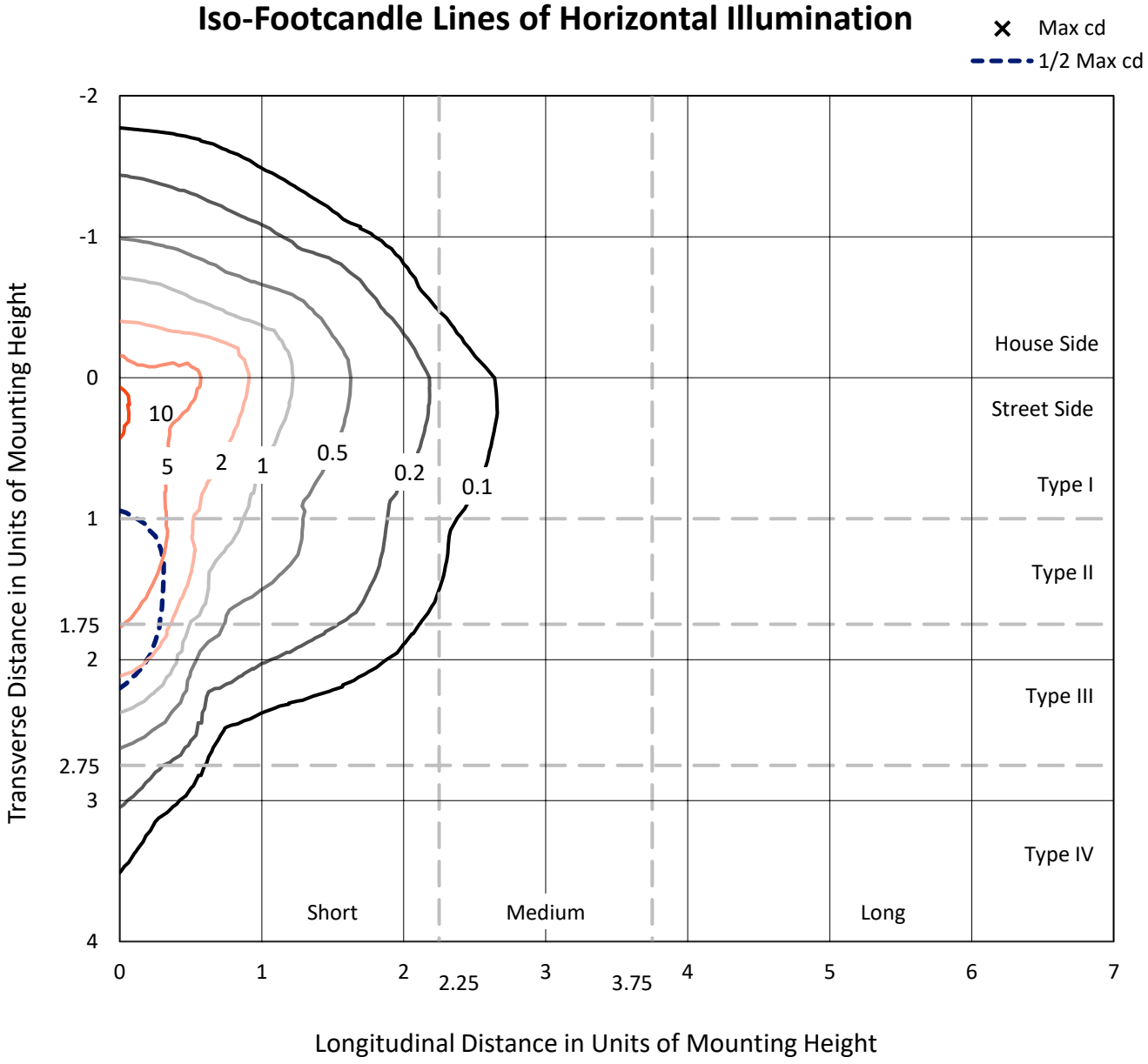
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



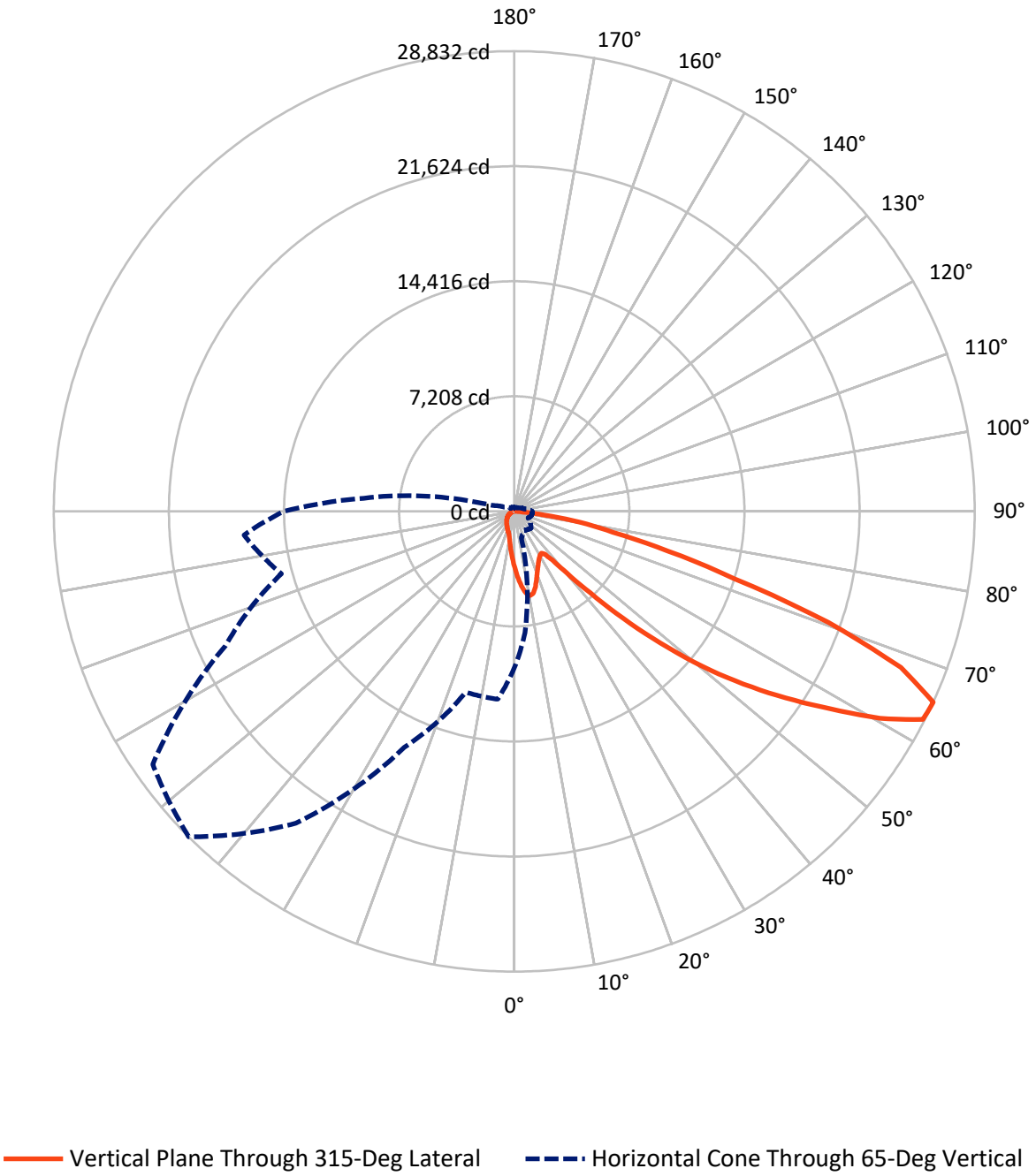
Based on 20 foot mounting height. Maximum calculated value = 11.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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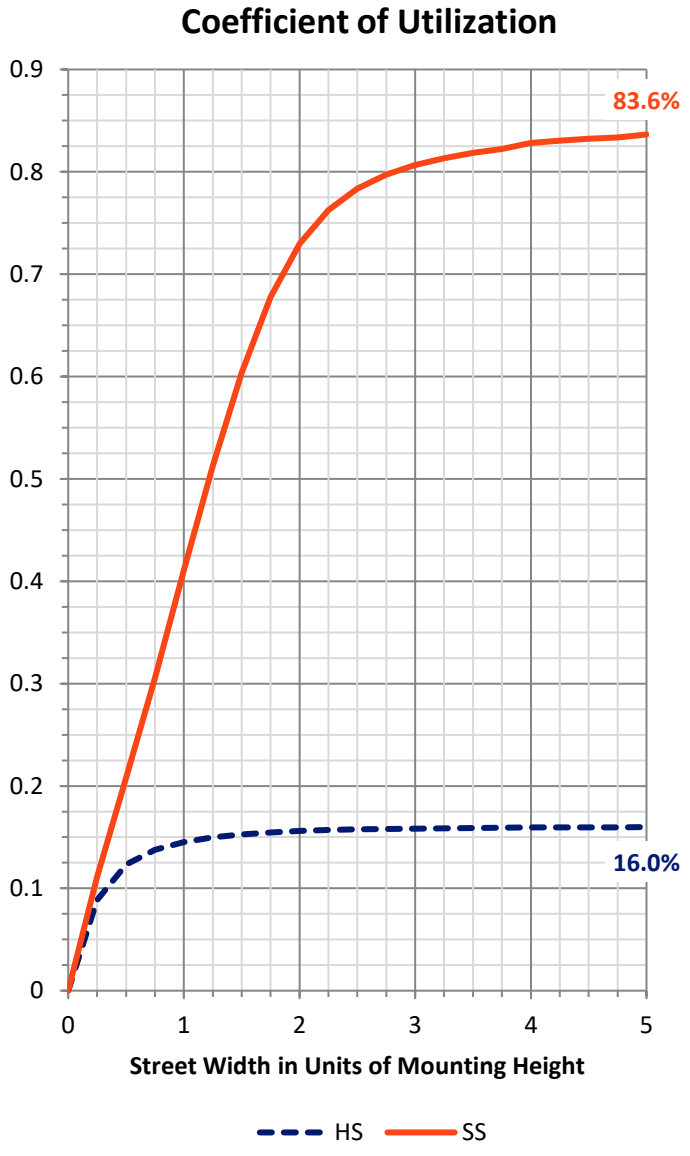
REPORT NUMBER: P1364565
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3279.7	0.0	3279.7
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	17008.8	0.0	17008.8
	% Fixture	83.8	0.0	83.8
Total	Lumens	20288.5	0.0	20288.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.1	1.7
10°-20°	932.2	4.6
20°-30°	1335.2	6.6
30°-40°	1674.8	8.3
40°-50°	2751.1	13.6
50°-60°	4964.6	24.5
60°-70°	5509.7	27.2
70°-80°	2489.3	12.3
80°-90°	294.3	1.5
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°	20288.5	100.0
0°-180°	20288.5	100.0



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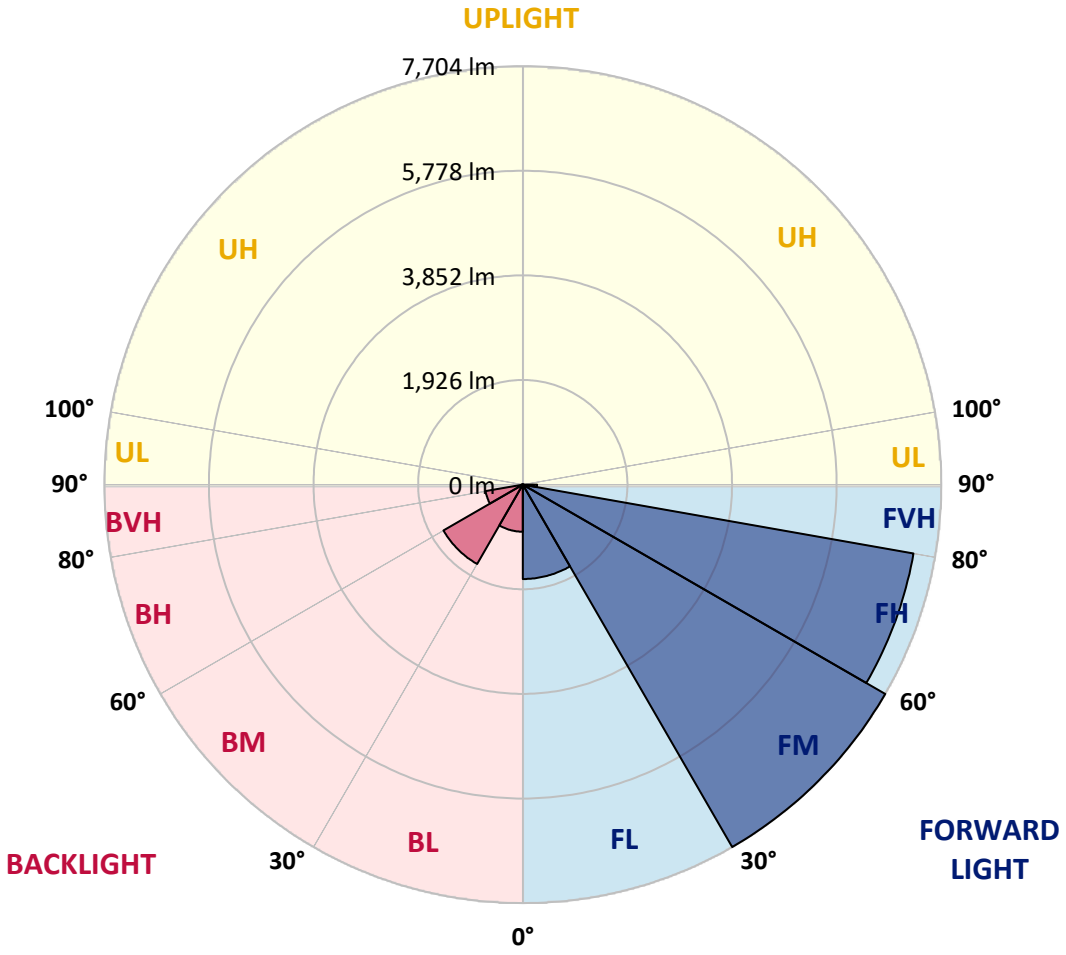
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1737.9	8.6			
FM	(30°-60°)	7704.1	38.0			
FH	(60°-80°)	7302.6	36.0			G3/7500
FVH	(80°-90°)	264.2	1.3			G3/500
BL	(0°-30°)	866.7	4.3	B2/1000		
BM	(30°-60°)	1686.4	8.3	B2/2500		
BH	(60°-80°)	696.5	3.4	B2/1000		G2/1000
BVH	(80°-90°)	30.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5
2.5°	3956.0	3952.3	3937.3	3843.9	3750.4	3669.4	3588.5	3507.5	3395.3	3308.1	3233.3
5°	4329.8	4309.9	4230.1	4086.9	3931.1	3794.0	3638.3	3488.8	3320.6	3183.5	3040.2
7.5°	4585.2	4565.3	4485.6	4248.8	4012.1	3843.9	3675.7	3519.9	3333.0	3152.4	2946.8
10°	4703.6	4681.2	4591.5	4336.0	4061.9	3856.3	3688.1	3544.8	3389.1	3208.4	2953.0
12.5°	4784.6	4757.2	4647.5	4354.7	4074.4	3868.8	3694.4	3557.3	3445.2	3339.3	3090.1
15°	4834.4	4809.5	4709.8	4404.6	4080.6	3850.1	3644.5	3513.7	3476.3	3495.0	3376.6
17.5°	4909.2	4885.5	4790.8	4466.9	4118.0	3819.0	3538.6	3395.3	3476.3	3644.5	3681.9
20°	5008.9	4984.0	4884.3	4547.9	4149.2	3725.5	3339.3	3202.2	3407.8	3688.1	3881.3
22.5°	5121.0	5101.1	5021.3	4641.3	4180.3	3588.5	3077.6	3015.3	3264.5	3563.5	3812.7
25°	5258.1	5239.4	5164.6	4772.1	4211.4	3401.6	2853.3	2865.8	3077.6	3314.3	3569.8
27.5°	5445.0	5427.5	5357.8	4934.1	4248.8	3208.4	2672.7	2735.0	2890.7	3052.7	3208.4
30°	5650.6	5636.9	5582.0	5127.3	4323.6	3027.8	2566.7	2604.1	2710.0	2840.9	2934.3
32.5°	5930.9	5908.5	5818.8	5307.9	4317.4	2890.7	2516.9	2479.5	2510.7	2616.6	2710.0
35°	6279.8	6262.4	6192.6	5494.8	4205.2	2766.1	2492.0	2361.2	2342.5	2404.8	2498.2
37.5°	6790.7	6775.7	6715.9	5800.1	4030.8	2610.4	2429.7	2236.6	2174.3	2217.9	2280.2
40°	7556.9	7518.3	7363.8	6149.0	3837.7	2454.6	2317.5	2087.0	1999.8	2031.0	2099.5
42.5°	8597.3	8523.8	8229.8	6616.2	3576.0	2305.1	2149.3	1937.5	1844.1	1862.8	1925.1
45°	9930.5	9819.7	9376.1	7257.9	3301.9	2186.7	1974.9	1781.8	1682.1	1700.8	1769.3
47.5°	11488.0	11336.0	10728.0	7930.7	3009.1	2118.2	1837.8	1626.0	1551.3	1594.9	1663.4
50°	13325.9	13172.6	12559.6	8360.6	2772.3	2074.6	1731.9	1482.7	1451.6	1507.6	1563.7
52.5°	15331.9	15113.9	14241.7	8086.5	2579.2	2037.2	1694.5	1383.1	1395.5	1439.1	1495.2
55°	17281.9	16797.2	14858.4	7176.9	2330.0	1993.6	1719.5	1308.3	1339.4	1395.5	1439.1
57.5°	18552.8	17710.5	14341.4	5781.4	2068.3	1943.7	1738.2	1270.9	1295.8	1358.1	1408.0
60°	17443.9	16596.6	13207.5	4329.8	1844.1	1837.8	1707.0	1258.5	1221.1	1308.3	1351.9
62.5°	14291.5	13593.8	10802.7	2766.1	1632.2	1638.5	1638.5	1252.2	1096.5	1208.6	1246.0
65°	*9818.4*	*9382.3*	*7637.9*	*1713.2*	*1333.2*	*1395.5*	*1489.0*	*1214.8*	*965.6*	*1096.5*	*1133.9*
67.5°	6454.2	6134.0	4853.1	1059.1	1027.9	1146.3	1289.6	1140.1	866.0	984.3	1009.3
70°	3501.2	3258.3	2286.4	697.8	672.8	897.1	1015.5	965.6	778.7	878.4	903.3
72.5°	2311.3	2112.0	1314.5	492.2	492.2	704.0	710.2	791.2	697.8	778.7	803.7
75°	1738.2	1560.0	847.3	342.6	380.0	448.6	554.5	566.9	585.6	660.4	691.5
77.5°	797.4	700.2	311.5	205.6	280.3	311.5	423.6	361.3	436.1	492.2	504.6
80°	461.0	403.7	174.4	137.1	180.7	199.4	348.9	211.8	261.7	348.9	367.6
82.5°	193.1	171.9	87.2	93.4	112.1	118.4	193.1	149.5	168.2	230.5	224.3
85°	56.1	56.1	56.1	62.3	68.5	68.5	112.1	105.9	99.7	105.9	105.9
87.5°	37.4	37.4	37.4	37.4	43.6	43.6	49.8	56.1	62.3	62.3	62.3
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°	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5
2.5°	3202.2	3158.6	3102.5	3021.5	3009.1	2965.5	2934.3	2965.5	2996.6	3052.7	3058.9
5°	2965.5	2896.9	2766.1	2666.4	2554.3	2498.2	2492.0	2479.5	2516.9	2597.9	2647.7
7.5°	2834.6	2722.5	2485.8	2311.3	2155.6	2099.5	2055.9	2093.3	2087.0	2192.9	2236.6
10°	2803.5	2629.0	2298.9	2037.2	1844.1	1769.3	1725.7	1719.5	1731.9	1794.2	1837.8
12.5°	2915.6	2691.3	2224.1	1837.8	1613.6	1532.6	1482.7	1439.1	1439.1	1451.6	1507.6
15°	3164.8	2896.9	2267.7	1744.4	1501.4	1395.5	1314.5	1258.5	1214.8	1221.1	1227.3
17.5°	3513.7	3196.0	2379.8	1713.2	1432.9	1320.8	1221.1	1165.0	1115.2	1102.7	1102.7
20°	3787.8	3482.5	2467.1	1688.3	1376.8	1233.5	1146.3	1096.5	1052.9	1034.2	1034.2
22.5°	3819.0	3600.9	2541.8	1657.2	1308.3	1146.3	1065.3	1021.7	990.6	984.3	984.3
25°	3613.4	3507.5	2516.9	1619.8	1239.8	1065.3	1003.0	965.6	934.5	928.3	934.5
27.5°	3270.7	3214.7	2429.7	1569.9	1183.7	1003.0	947.0	915.8	884.7	878.4	884.7
30°	2965.5	2903.2	2280.2	1489.0	1140.1	953.2	890.9	859.7	828.6	828.6	834.8
32.5°	2716.3	2654.0	2130.6	1395.5	1084.0	897.1	841.0	809.9	778.7	778.7	791.2
35°	2492.0	2442.1	2012.3	1302.1	1027.9	847.3	785.0	760.1	735.1	728.9	741.4
37.5°	2298.9	2273.9	1906.4	1202.4	971.9	797.4	741.4	716.4	685.3	679.1	691.5
40°	2112.0	2099.5	1788.0	1115.2	903.3	747.6	691.5	666.6	629.2	629.2	641.7
42.5°	1937.5	1931.3	1682.1	1059.1	841.0	697.8	635.5	610.5	579.4	579.4	591.8
45°	1800.5	1794.2	1582.4	1027.9	778.7	641.7	585.6	554.5	529.5	535.8	548.2
47.5°	1675.9	1663.4	1476.5	1034.2	747.6	604.3	529.5	498.4	479.7	492.2	510.9
50°	1576.2	1563.7	1401.7	1040.4	697.8	554.5	485.9	454.8	442.3	461.0	479.7
52.5°	1513.9	1501.4	1327.0	1003.0	635.5	517.1	442.3	423.6	423.6	442.3	454.8
55°	1451.6	1439.1	1202.4	922.0	566.9	479.7	411.2	398.7	398.7	417.4	429.9
57.5°	1414.2	1389.3	1071.6	828.6	510.9	436.1	380.0	380.0	380.0	386.3	392.5
60°	1358.1	1295.8	934.5	710.2	467.2	392.5	355.1	348.9	348.9	342.6	348.9
62.5°	1239.8	1133.9	785.0	604.3	417.4	355.1	324.0	317.7	299.0	280.3	286.6
65°	*1121.4*	*959.4*	*623.0*	*504.6*	*361.3*	*305.3*	*286.6*	*280.3*	*249.2*	*224.3*	*230.5*
67.5°	971.9	766.3	467.2	423.6	311.5	261.7	243.0	243.0	224.3	205.6	205.6
70°	866.0	598.1	392.5	317.7	249.2	205.6	205.6	218.0	199.4	174.4	174.4
72.5°	766.3	485.9	317.7	255.4	193.1	162.0	174.4	180.7	162.0	143.3	143.3
75°	654.1	380.0	249.2	199.4	143.3	124.6	130.8	143.3	130.8	112.1	118.4
77.5°	473.5	261.7	168.2	130.8	105.9	93.4	99.7	99.7	93.4	87.2	87.2
80°	330.2	174.4	112.1	87.2	74.8	68.5	68.5	62.3	62.3	68.5	68.5
82.5°	199.4	124.6	81.0	68.5	56.1	43.6	43.6	49.8	49.8	56.1	56.1
85°	87.2	74.8	56.1	49.8	37.4	31.1	37.4	37.4	43.6	49.8	49.8
87.5°	56.1	56.1	43.6	37.4	31.1	24.9	24.9	31.1	31.1	37.4	43.6
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°	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5
2.5°	3083.8	3146.1	3220.9	3326.8	3420.2	3532.4	3644.5	3750.4	3850.1	3862.6	3906.2
5°	2685.1	2803.5	2953.0	3127.4	3339.3	3563.5	3781.6	4012.1	4199.0	4267.5	4367.2
7.5°	2273.9	2423.5	2641.5	2909.4	3208.4	3544.8	3881.3	4205.2	4485.6	4616.4	4747.2
10°	1881.4	2024.7	2292.6	2616.6	3002.8	3457.6	3906.2	4342.3	4684.9	4834.4	4959.0
12.5°	1526.3	1669.6	1887.7	2261.5	2728.7	3277.0	3868.8	4392.1	4772.1	4927.9	5046.3
15°	1246.0	1364.4	1569.9	1918.8	2411.0	3027.8	3738.0	4354.7	4790.8	4940.4	5027.6
17.5°	1096.5	1127.6	1258.5	1576.2	2112.0	2803.5	3569.8	4304.9	4803.3	4940.4	4990.2
20°	1034.2	1034.2	1059.1	1227.3	1750.6	2566.7	3445.2	4273.7	4822.0	4959.0	4952.8
22.5°	978.1	990.6	990.6	1027.9	1333.2	2236.6	3314.3	4261.3	4878.1	4984.0	4896.7
25°	928.3	947.0	947.0	959.4	1046.6	1844.1	3152.4	4286.2	4977.7	5033.8	4859.4
27.5°	884.7	903.3	903.3	915.8	934.5	1370.6	2884.5	4292.4	5089.9	5096.1	4809.5
30°	841.0	859.7	872.2	872.2	884.7	1009.3	2548.1	4255.1	5214.5	5177.1	4803.3
32.5°	791.2	816.1	822.4	834.8	841.0	878.4	2112.0	4192.8	5370.2	5289.2	4809.5
35°	747.6	778.7	785.0	785.0	797.4	834.8	1688.3	4124.2	5582.0	5438.8	4834.4
37.5°	704.0	728.9	735.1	741.4	753.8	791.2	1339.4	4024.6	5762.7	5625.6	4959.0
40°	654.1	685.3	691.5	697.8	710.2	747.6	1152.5	3900.0	6036.8	5937.1	5145.9
42.5°	604.3	635.5	647.9	654.1	660.4	710.2	1052.9	3812.7	6479.2	6373.2	5526.0
45°	560.7	591.8	604.3	604.3	616.8	685.3	965.6	4005.9	7089.7	7039.8	6036.8
47.5°	523.3	554.5	560.7	560.7	566.9	647.9	890.9	4522.9	8024.2	7893.4	6834.3
50°	492.2	517.1	529.5	517.1	523.3	616.8	934.5	5376.5	9220.3	9263.9	8005.5
52.5°	467.2	492.2	498.4	473.5	473.5	573.2	990.6	6074.2	10746.7	11145.4	9862.0
55°	436.1	461.0	467.2	436.1	436.1	504.6	859.7	6117.8	12484.8	13768.2	12279.2
57.5°	404.9	429.9	429.9	404.9	398.7	436.1	697.8	5426.3	13830.5	16739.9	15587.3
60°	367.6	392.5	386.3	373.8	361.3	398.7	641.7	4136.7	13649.8	18677.4	19381.4
62.5°	299.0	336.4	348.9	342.6	317.7	361.3	598.1	2697.6	11812.0	16995.3	19263.0
65°	*249.2*	*280.3*	*299.0*	*299.0*	*280.3*	*398.7*	*523.3*	*1420.4*	*9457.1*	*14422.3*	*16982.9*
67.5°	218.0	249.2	261.7	255.4	243.0	355.1	330.2	685.3	7251.7	12428.8	15201.1
70°	193.1	218.0	230.5	211.8	199.4	286.6	236.7	404.9	4853.1	10372.9	13537.7
72.5°	155.7	180.7	193.1	174.4	155.7	211.8	180.7	267.9	3158.6	8840.3	12030.0
75°	124.6	149.5	155.7	143.3	124.6	155.7	143.3	186.9	2062.1	7314.0	10229.6
77.5°	93.4	105.9	118.4	112.1	93.4	112.1	99.7	130.8	1177.5	5133.5	7176.9
80°	74.8	81.0	81.0	81.0	74.8	68.5	68.5	87.2	529.5	2529.4	3744.2
82.5°	62.3	68.5	68.5	62.3	56.1	49.8	43.6	49.8	155.7	1133.9	1725.7
85°	56.1	62.3	49.8	43.6	37.4	31.1	18.7	18.7	43.6	180.7	336.4
87.5°	43.6	37.4	31.1	24.9	12.5	6.2	6.2	0.0	6.2	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364565
CATALOG NUMBER: GSS-SB4C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5
2.5°	3974.7	4037.0	4080.6	4118.0	4105.5	4074.4	4012.1	3968.5	3958.5	3956.0
5°	4498.0	4597.7	4684.9	4672.5	4684.9	4591.5	4498.0	4385.9	4341.0	4329.8
7.5°	4934.1	5058.7	5164.6	5152.2	5114.8	5008.9	4853.1	4684.9	4605.2	4585.2
10°	5170.9	5314.2	5401.4	5370.2	5307.9	5170.9	5015.1	4815.8	4726.0	4703.6
12.5°	5214.5	5307.9	5289.2	5276.8	5264.3	5195.8	5077.4	4896.7	4807.0	4784.6
15°	5102.3	5065.0	4959.0	4934.1	5027.6	5114.8	5089.9	4940.4	4855.6	4834.4
17.5°	4915.4	4722.3	4529.2	4504.3	4660.0	4903.0	5096.1	5008.9	4929.1	4909.2
20°	4709.8	4348.5	4136.7	4093.1	4286.2	4647.5	5027.6	5077.4	5022.6	5008.9
22.5°	4466.9	4043.2	3819.0	3794.0	3937.3	4361.0	4927.9	5152.2	5127.3	5121.0
25°	4255.1	3775.4	3563.5	3526.2	3713.1	4124.2	4828.2	5276.8	5261.8	5258.1
27.5°	4080.6	3582.2	3357.9	3333.0	3513.7	3924.9	4703.6	5382.7	5432.5	5445.0
30°	3943.6	3438.9	3214.7	3183.5	3382.9	3787.8	4616.4	5532.2	5626.9	5650.6
32.5°	3837.7	3357.9	3146.1	3127.4	3339.3	3731.7	4566.6	5687.9	5882.3	5930.9
35°	3800.3	3382.9	3239.6	3283.2	3445.2	3787.8	4603.9	5943.4	6212.5	6279.8
37.5°	3881.3	3657.0	3756.7	3868.8	3931.1	4055.7	4778.4	6354.6	6703.4	6790.7
40°	4142.9	4392.1	4859.4	5077.4	5052.5	4765.9	5177.1	6933.9	7432.3	7556.9
42.5°	4809.5	5619.4	6610.0	6977.5	6765.7	5899.8	5812.5	7887.1	8455.3	8597.3
45°	5800.1	7102.1	8728.2	9556.8	8827.8	7338.9	6815.6	9245.3	9793.5	9930.5
47.5°	6790.7	8759.3	11344.7	12329.1	10896.2	8765.5	8130.1	10871.3	11364.7	11488.0
50°	7799.9	10590.9	13955.1	15269.6	12958.3	10217.1	9525.6	12877.3	13236.2	13325.9
52.5°	8840.3	12229.4	16833.3	17967.2	15113.9	11338.5	11120.5	15064.0	15278.3	15331.9
55°	9999.1	13780.7	19717.8	20633.6	17076.3	12316.6	12989.5	17350.4	17295.6	17281.9
57.5°	11544.1	15412.9	22041.6	23318.7	18858.1	13637.4	15487.7	19892.2	18820.7	18552.8
60°	14241.7	17948.5	24932.3	26321.6	21244.1	15568.7	17325.5	19836.2	17922.3	17443.9
62.5°	17369.1	20390.6	27548.9	28720.1	23754.8	17487.5	15861.5	16658.9	14765.0	14291.5
65°	15089.0	19960.8	27629.9	28832.2	23848.3	16316.3	11724.8	11812.0	10217.1	9818.4
67.5°	12839.9	17693.1	25162.8	26109.7	21275.3	13487.9	7775.0	7706.5	6704.7	6454.2
70°	11432.0	15500.1	21686.5	20870.3	17886.2	11400.8	5164.6	4280.0	3657.0	3501.2
72.5°	10273.2	12297.9	17574.7	14385.0	14839.8	9276.4	3283.2	2915.6	2432.2	2311.3
75°	9301.3	10173.5	10964.7	9943.0	10541.1	7644.2	2784.8	2249.0	1840.3	1738.2
77.5°	7401.2	7918.3	6491.6	6304.7	7382.5	5438.8	1383.1	947.0	827.3	797.4
80°	4404.6	3744.2	3681.9	4199.0	4915.4	2822.2	847.3	523.3	473.5	461.0
82.5°	2666.4	1351.9	1470.3	1856.5	2616.6	1283.4	504.6	224.3	199.4	193.1
85°	448.6	367.6	566.9	542.0	510.9	274.1	137.1	62.3	57.3	56.1
87.5°	12.5	18.7	24.9	31.1	31.1	31.1	31.1	31.1	36.1	37.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

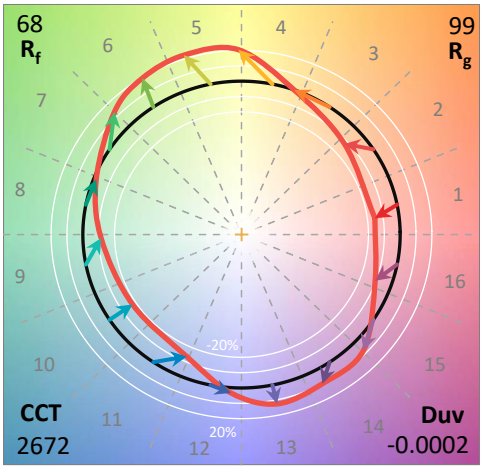
Test Information

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
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

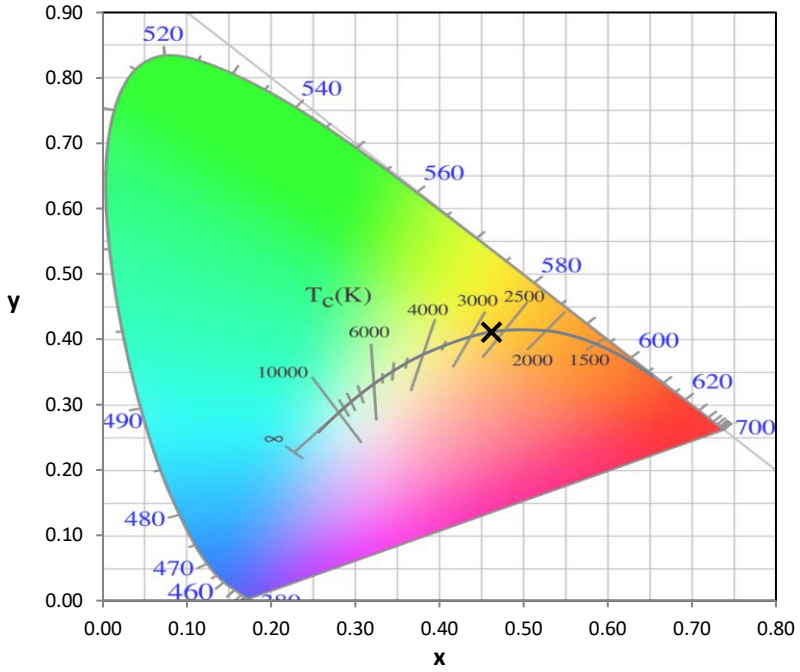
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

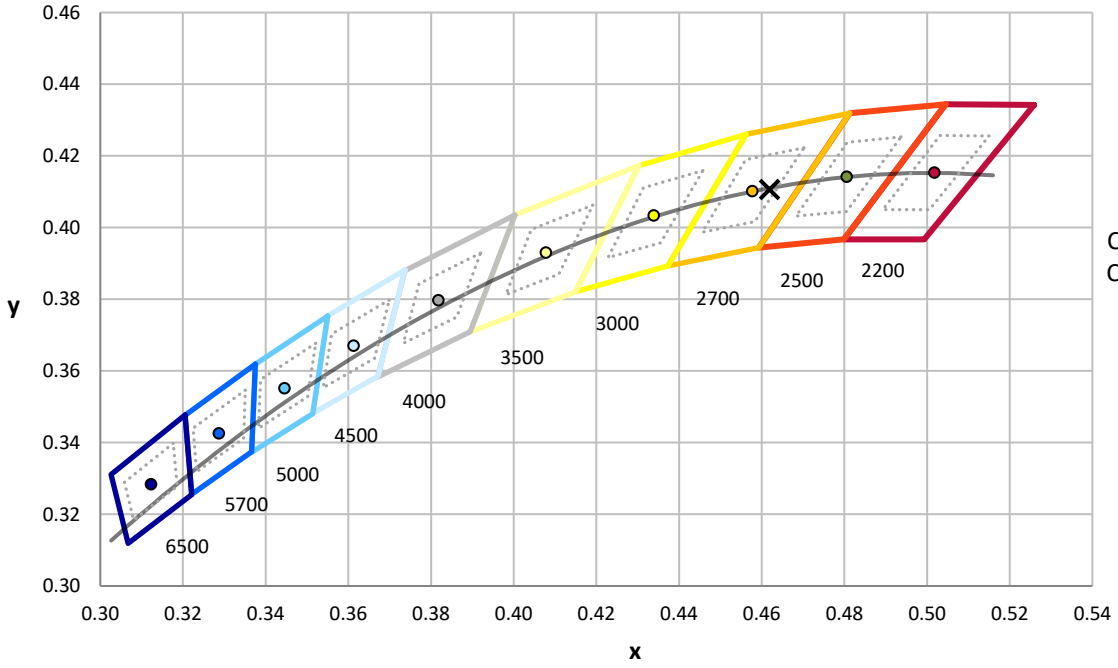
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

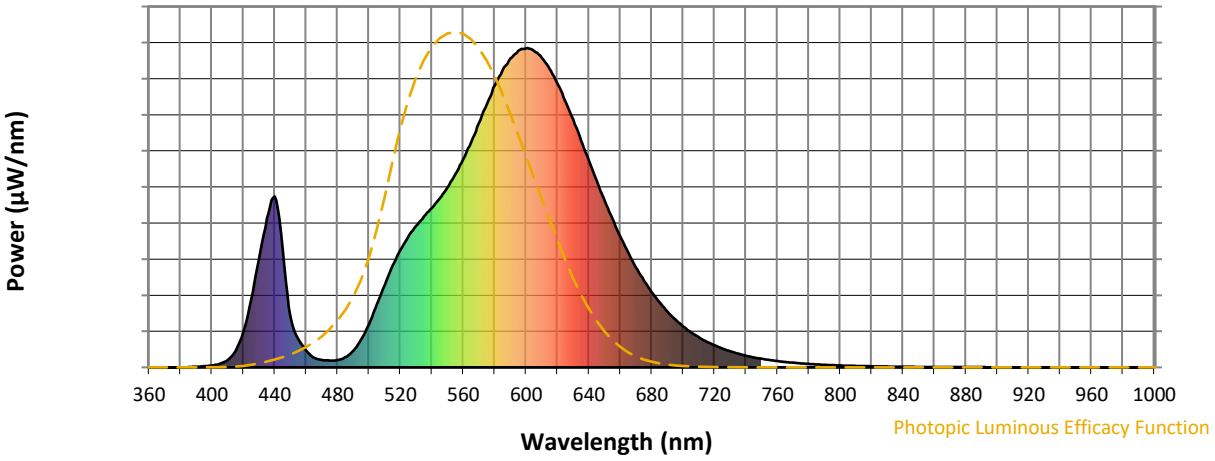


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

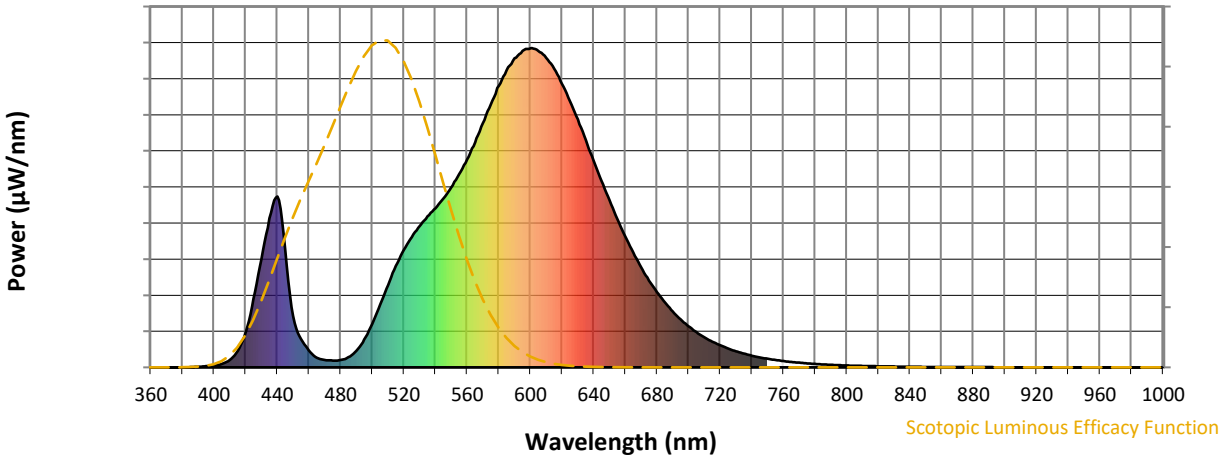


Photopic Lumens: NR

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	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

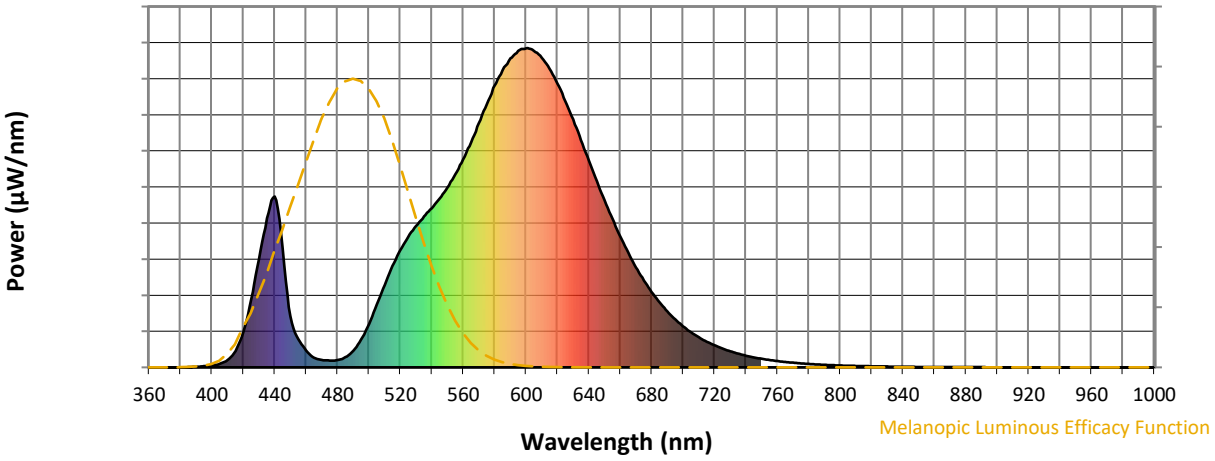


Scotopic Lumens: NR **S/P: 1.02**

λ (nm)	Power 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	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^/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	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			

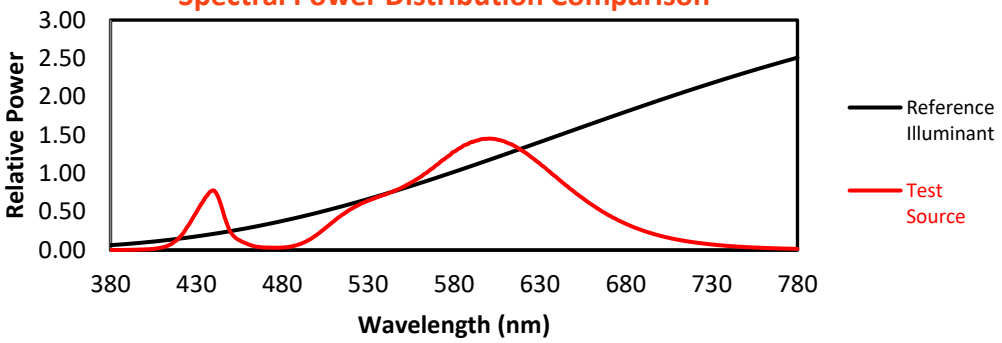
REPORT NUMBER: SP1-2407-184-3

TM-30-18

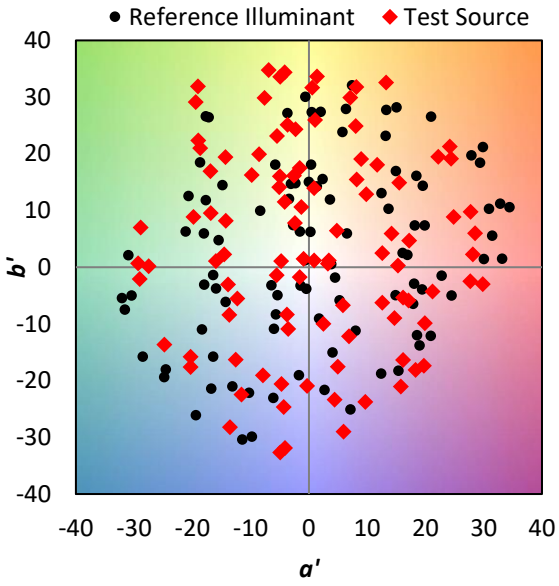
Summary

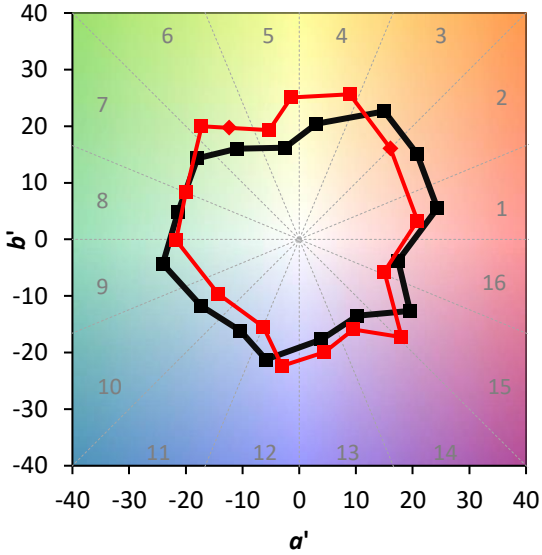
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

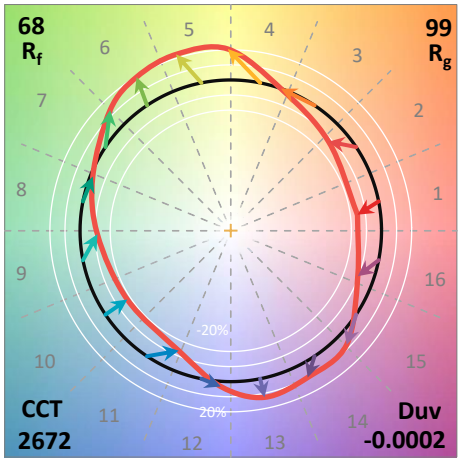
Spectral Power Distribution Comparison

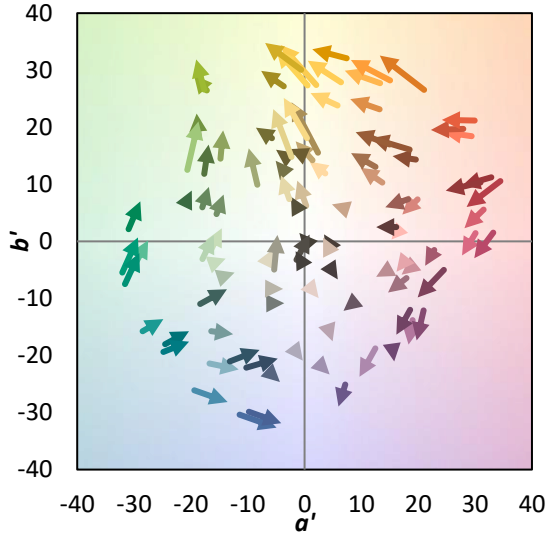


Color Vector Graphics







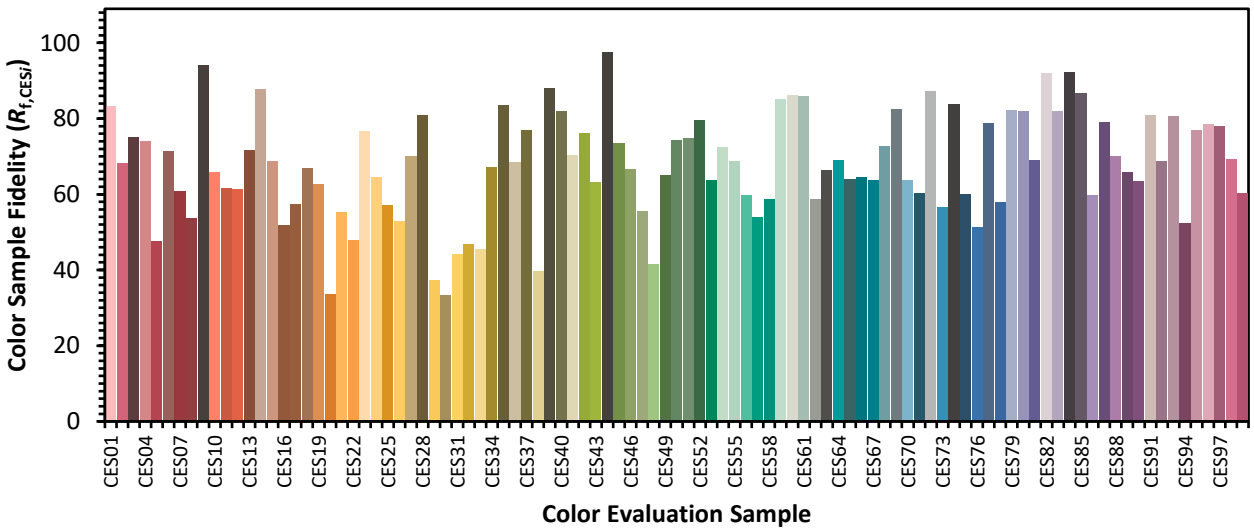


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Individual Sample Fidelity Index ($R_{f,i}$)

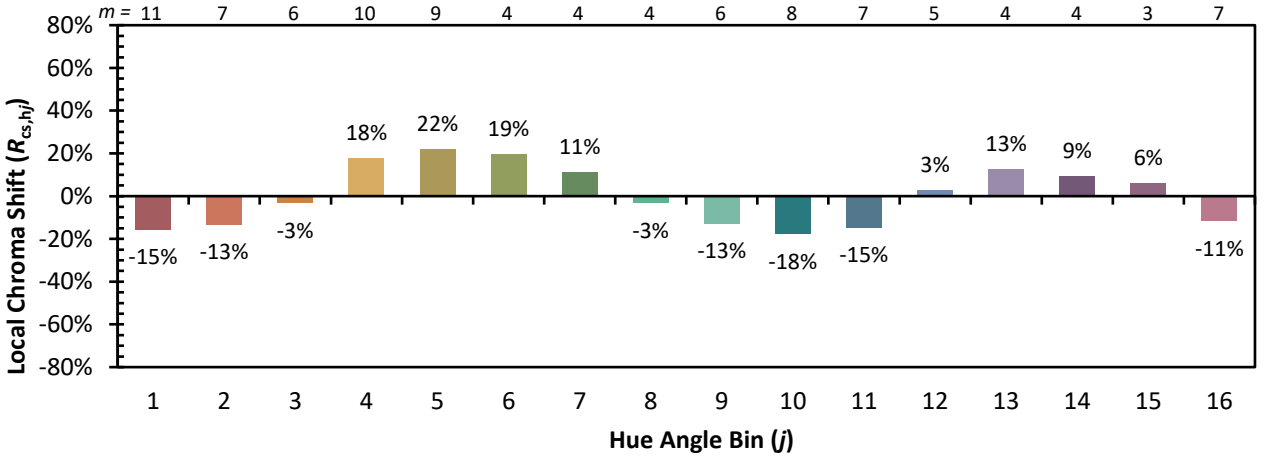
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 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	

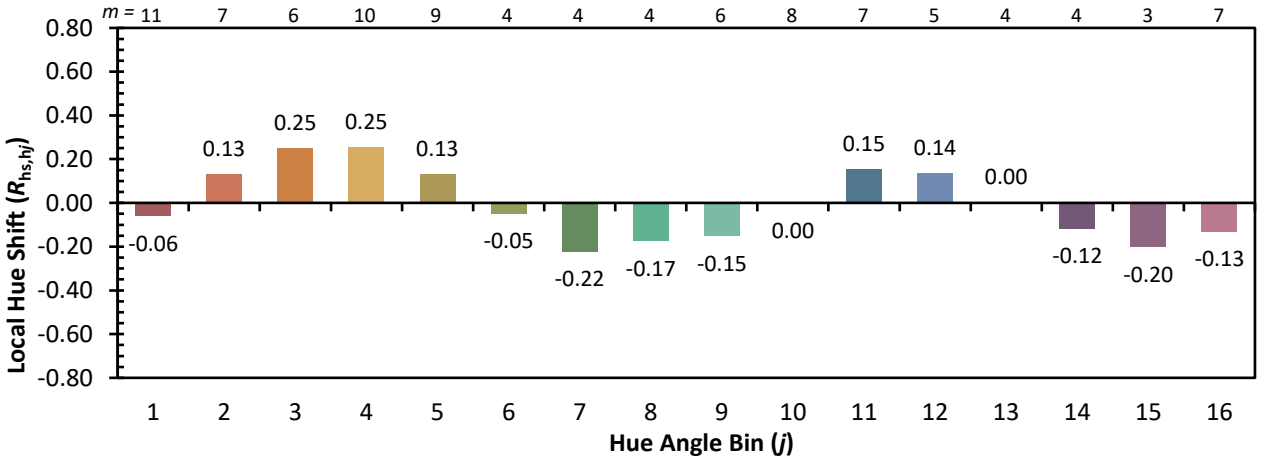


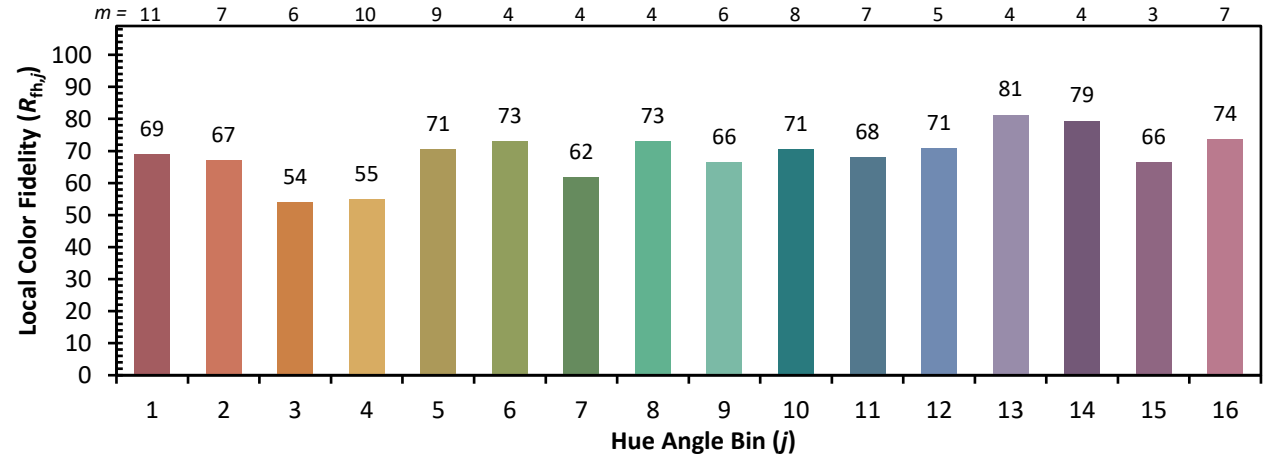
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Color Rendition by Hue-Angle Bin



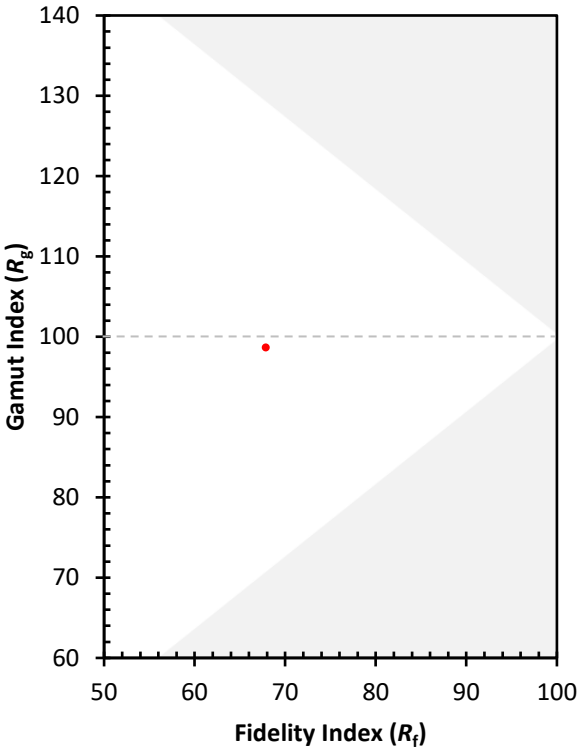


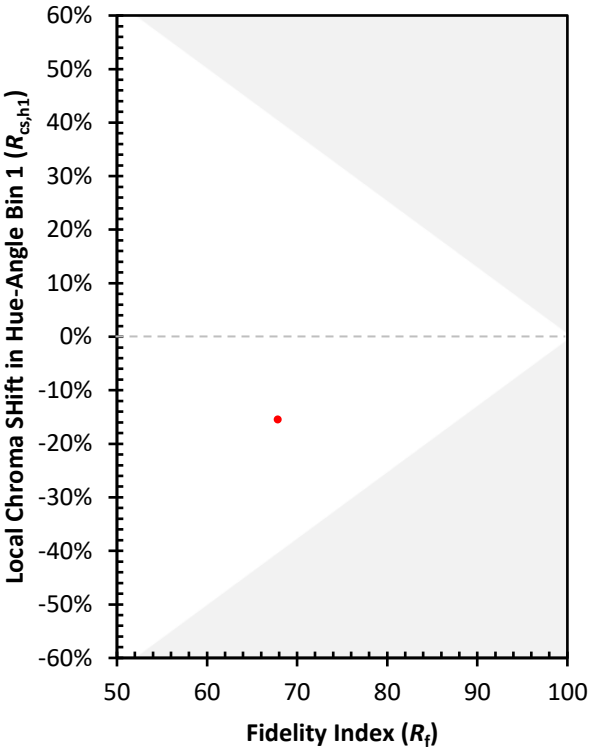


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Measure Comparisons





(END OF REPORT)