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: P1365341

Luminaire Tested: **GSS-SB6C-727-U-SLL-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:	P1365341
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-727-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30452.1 lumens
Efficiency:	N/A
Efficacy:	101.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

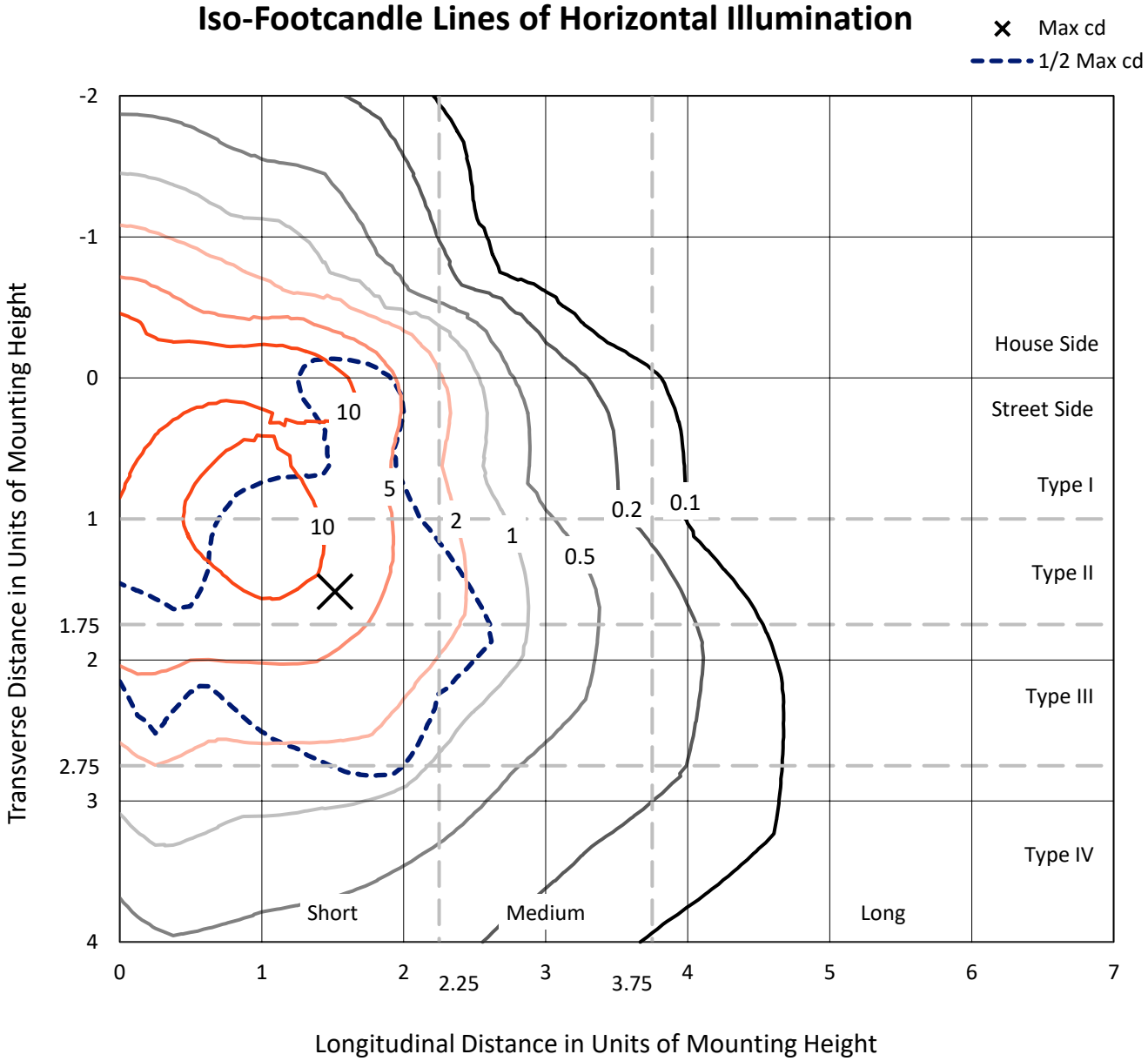
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



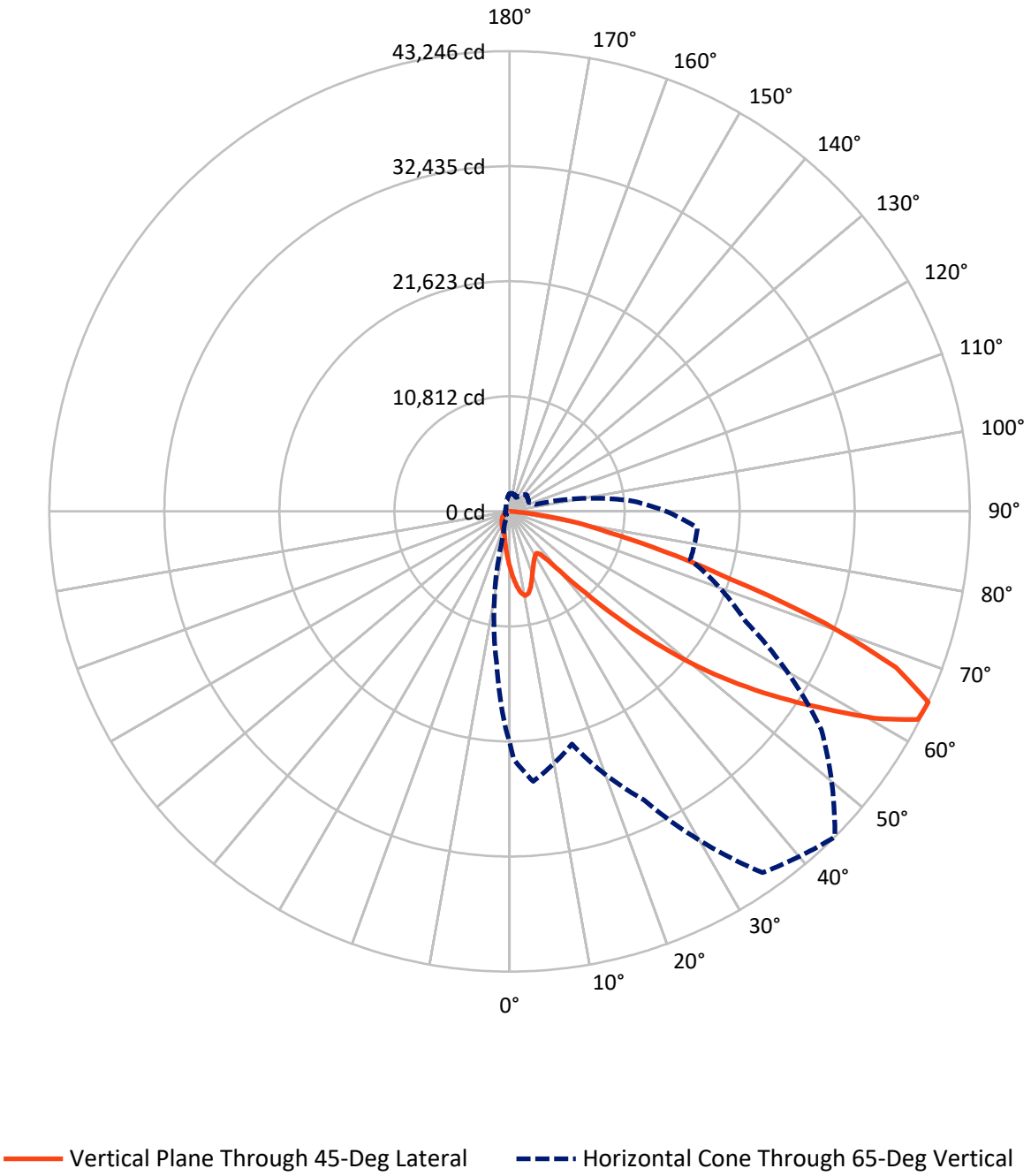
Based on 20 foot mounting height. Maximum calculated value = 19.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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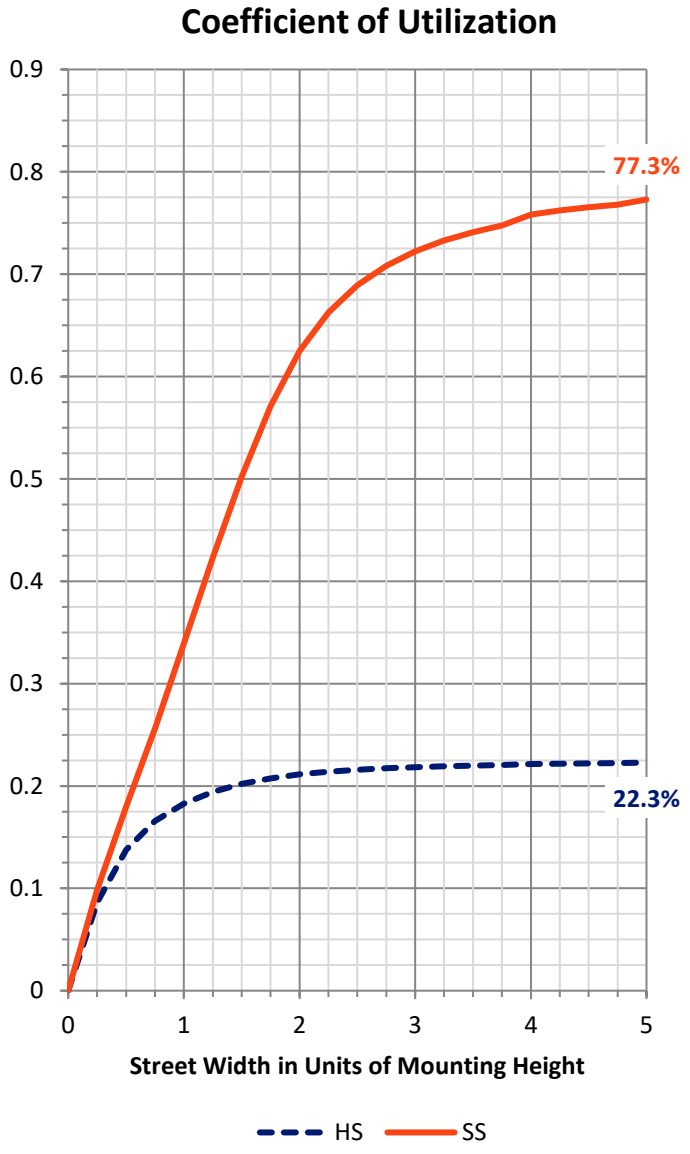
REPORT NUMBER: P1365341
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6850.1	0.0	6850.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	23602.0	0.0	23602.0
	% Fixture	77.5	0.0	77.5
Total	Lumens	30452.1	0.0	30452.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.6	1.7
10°-20°	1398.4	4.6
20°-30°	2002.9	6.6
30°-40°	2512.4	8.3
40°-50°	4127.1	13.6
50°-60°	7451.5	24.5
60°-70°	8272.4	27.2
70°-80°	3739.3	12.3
80°-90°	442.6	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°	30452.1	100.0
0°-180°	30452.1	100.0



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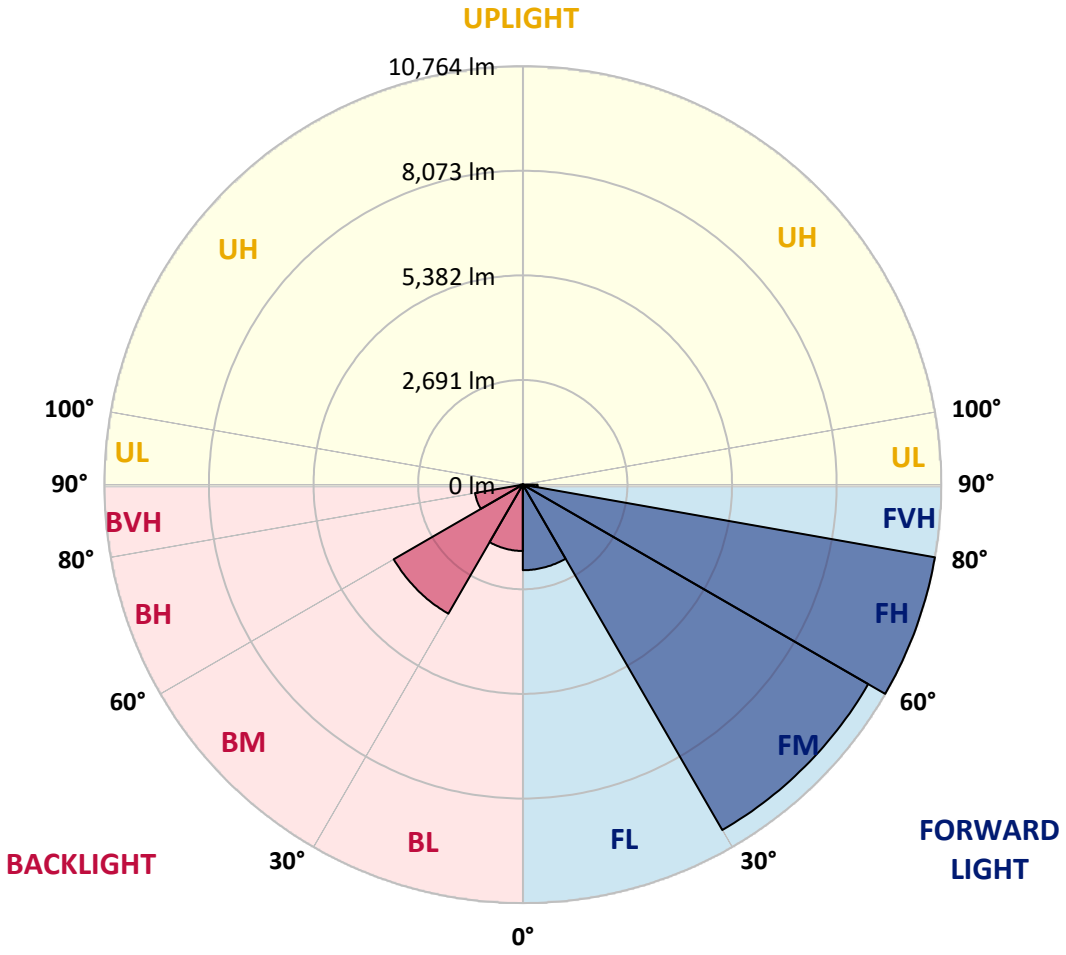
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2199.9	7.2			
FM	(30°-60°)	10258.2	33.7			
FH	(60°-80°)	10763.9	35.3			G4/12000
FVH	(80°-90°)	380.0	1.2			G3/500
BL	(0°-30°)	1707.0	5.6	B3/2500		
BM	(30°-60°)	3832.8	12.6	B3/5000		
BH	(60°-80°)	1247.8	4.1	B3/2500		G3/2500
BVH	(80°-90°)	62.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0
2.5°	5793.6	5868.4	5859.0	5961.8	6055.3	6120.7	6176.7	6158.0	6111.3	6017.9	5952.5
5°	6401.0	6457.1	6550.5	6746.7	6896.3	7027.1	7008.4	7027.1	6886.9	6746.7	6578.5
7.5°	6924.3	6989.7	7120.5	7400.9	7587.8	7746.6	7727.9	7671.9	7513.0	7279.4	7027.1
10°	7251.3	7298.1	7438.2	7756.0	7970.9	8101.7	8055.0	7961.5	7756.0	7522.3	7223.3
12.5°	7391.5	7447.6	7569.1	7821.4	7961.5	7933.5	7914.8	7896.1	7793.3	7615.8	7344.8
15°	7410.2	7447.6	7541.0	7653.2	7597.1	7438.2	7400.9	7541.0	7671.9	7634.5	7410.2
17.5°	7410.2	7466.3	7485.0	7372.8	7083.1	6793.5	6756.1	6989.7	7354.1	7643.8	7513.0
20°	7438.2	7466.3	7428.9	7064.5	6522.5	6204.8	6139.4	6429.0	6971.0	7541.0	7615.8
22.5°	7475.6	7503.7	7344.8	6700.0	6064.6	5728.2	5690.8	5905.7	6541.2	7391.5	7727.9
25°	7550.4	7531.7	7288.7	6382.3	5662.8	5345.1	5289.0	5569.3	6186.1	7242.0	7914.8
27.5°	7643.8	7559.7	7214.0	6120.7	5373.1	5036.7	4999.3	5270.3	5887.0	7055.1	8073.7
30°	7765.3	7681.2	7204.6	5915.1	5158.2	4821.8	4775.1	5074.1	5681.5	6924.3	8297.9
32.5°	7933.5	7812.0	7214.0	5756.2	5036.7	4719.0	4691.0	5008.7	5597.4	6849.5	8531.5
35°	8157.8	7980.2	7251.3	5700.2	5074.1	4859.2	4924.6	5167.5	5681.5	6905.6	8914.7
37.5°	8438.1	8269.9	7438.2	5821.6	5485.2	5634.7	5802.9	5896.4	6083.3	7167.2	9531.4
40°	8905.3	8671.7	7718.6	6214.1	6587.9	7288.7	7615.8	7578.4	7148.6	7765.3	10400.5
42.5°	9559.4	9344.5	8288.6	7214.0	8428.8	9914.5	10465.9	10148.2	8849.3	8718.4	11830.2
45°	10559.3	10204.2	9054.8	8699.7	10652.8	13091.7	14334.5	13241.2	11007.8	10222.9	13867.3
47.5°	11839.5	11484.4	10250.9	10185.5	13138.4	17016.4	18492.8	16343.6	13147.7	12194.6	16306.2
50°	13895.3	13502.8	12007.7	11699.3	15885.7	20931.7	22903.4	19436.6	15325.0	14287.8	19315.1
52.5°	16717.3	16455.7	14792.4	13259.9	18343.3	25248.9	26949.6	22669.8	17007.0	16680.0	22595.1
55°	20651.4	20399.1	18418.1	14998.0	20670.1	29575.4	30949.1	25613.3	18474.1	19483.3	26024.5
57.5°	25108.7	25529.2	23380.0	17315.4	23118.3	33060.9	34976.5	28285.9	20455.2	23230.5	29837.1
60°	28014.9	29341.8	29070.8	21361.6	26921.6	37396.8	39480.6	31864.8	23352.0	25987.1	29753.0
62.5°	25491.9	26818.8	28893.3	26052.5	30584.6	41321.5	43078.2	35630.7	26230.1	23791.2	24987.3
65°	21632.6	23286.5	25473.2	22632.4	29939.8	41443.0	43246.4	35770.8	24473.3	17586.4	17717.2
67.5°	18642.3	20109.4	22800.6	19259.1	26538.4	37742.5	39162.9	31911.5	20230.9	11662.0	11559.2
70°	15558.6	16904.2	20305.6	17147.2	23249.2	32528.3	31304.1	26828.1	17100.5	7746.6	6419.7
72.5°	13259.9	14502.7	18044.3	15409.1	18446.1	26360.9	21576.5	22258.7	13914.0	4924.6	4373.2
75°	10970.5	12110.5	15343.7	13951.4	15259.6	16446.4	14913.9	15810.9	11465.7	4177.0	3373.4
77.5°	7699.9	8410.1	10764.9	11101.3	11876.9	9737.0	9456.7	11073.3	8157.8	2074.5	1420.4
80°	3793.9	4233.1	5616.1	6606.6	5616.1	5522.6	6298.2	7372.8	4233.1	1270.9	784.9
82.5°	1700.7	2018.4	2588.4	3999.5	2027.8	2205.3	2784.7	3924.7	1925.0	756.9	336.4
85°	271.0	299.0	504.6	672.8	551.3	850.4	813.0	766.3	411.2	205.6	93.4
87.5°	9.3	9.3	9.3	18.7	28.0	37.4	46.7	46.7	46.7	46.7	46.7
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°	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0
2.5°	5933.8	5905.7	5765.6	5625.4	5503.9	5382.4	5261.0	5092.8	4961.9	4849.8	4803.1
5°	6494.4	6344.9	6130.0	5896.4	5690.8	5457.2	5232.9	4980.6	4775.1	4560.1	4448.0
7.5°	6877.6	6728.1	6373.0	6017.9	5765.6	5513.3	5279.7	4999.3	4728.3	4420.0	4251.8
10°	7055.1	6886.9	6503.8	6092.6	5784.3	5532.0	5317.0	5083.4	4812.4	4429.3	4205.0
12.5°	7176.6	6971.0	6531.8	6111.3	5802.9	5541.3	5335.7	5167.5	5008.7	4634.9	4373.2
15°	7251.3	7064.5	6606.6	6120.7	5774.9	5466.5	5270.3	5214.2	5242.3	5064.7	4747.0
17.5°	7363.5	7185.9	6700.0	6176.7	5728.2	5307.7	5092.8	5214.2	5466.5	5522.6	5270.3
20°	7513.0	7326.1	6821.5	6223.5	5588.0	5008.7	4803.1	5111.5	5532.0	5821.6	5681.5
22.5°	7681.2	7531.7	6961.7	6270.2	5382.4	4616.2	4522.7	4896.5	5345.1	5718.8	5728.2
25°	7886.8	7746.6	7157.9	6316.9	5102.1	4279.8	4298.5	4616.2	4971.3	5354.4	5419.8
27.5°	8167.1	8036.3	7400.9	6373.0	4812.4	4008.8	4102.2	4335.9	4578.8	4812.4	4905.9
30°	8475.5	8372.7	7690.5	6485.1	4541.4	3849.9	3906.0	4064.9	4261.1	4401.3	4448.0
32.5°	8896.0	8727.8	7961.5	6475.8	4335.9	3775.2	3719.1	3765.8	3924.7	4064.9	4074.2
35°	9419.3	9288.5	8241.9	6307.6	4149.0	3737.8	3541.6	3513.5	3607.0	3747.2	3737.8
37.5°	10185.5	10073.4	8699.7	6045.9	3915.4	3644.4	3354.7	3261.2	3326.6	3420.1	3448.1
40°	11334.9	11045.2	9223.0	5756.2	3681.7	3476.2	3130.4	2999.6	3046.3	3149.1	3167.8
42.5°	12895.4	12344.1	9923.9	5363.8	3457.5	3223.9	2906.1	2766.0	2794.0	2887.5	2906.1
45°	14895.2	14063.5	10886.4	4952.6	3279.9	2962.2	2672.5	2523.0	2551.1	2653.8	2700.6
47.5°	17231.3	16091.3	11895.6	4513.4	3177.1	2756.6	2438.9	2326.8	2392.2	2495.0	2513.7
50°	19987.9	18838.6	12540.3	4158.3	3111.7	2597.8	2224.0	2177.3	2261.4	2345.5	2364.2
52.5°	22996.9	21361.6	12129.2	3868.6	3055.7	2541.7	2074.5	2093.2	2158.6	2242.7	2270.7
55°	25921.7	22286.7	10764.9	3494.9	2990.2	2579.1	1962.3	2009.1	2093.2	2158.6	2177.3
57.5°	27828.0	21511.1	8671.7	3102.4	2915.5	2607.1	1906.3	1943.7	2037.1	2111.9	2121.2
60°	26164.7	19810.4	6494.4	2766.0	2756.6	2560.4	1887.6	1831.5	1962.3	2027.8	2037.1
62.5°	21436.3	16203.4	4149.0	2448.3	2457.6	2457.6	1878.2	1644.6	1812.8	1868.9	1859.6
65°	*14727.0*	*11456.4*	*2569.7*	*1999.7*	*2093.2*	*2233.3*	*1822.2*	*1448.4*	*1644.6*	*1700.7*	*1682.0*
67.5°	9680.9	7279.4	1588.6	1541.8	1719.4	1934.3	1710.0	1298.9	1476.4	1513.8	1457.7
70°	5251.6	3429.4	1046.6	1009.2	1345.6	1523.2	1448.4	1168.1	1317.6	1355.0	1298.9
72.5°	3466.8	1971.7	738.2	738.2	1055.9	1065.3	1186.8	1046.6	1168.1	1205.4	1149.4
75°	2607.1	1270.9	513.9	570.0	672.8	831.7	850.4	878.4	990.5	1037.2	981.2
77.5°	1196.1	467.2	308.4	420.5	467.2	635.4	542.0	654.1	738.2	756.9	710.2
80°	691.5	261.6	205.6	271.0	299.0	523.3	317.7	392.5	523.3	551.3	495.3
82.5°	289.7	130.8	140.2	168.2	177.5	289.7	224.3	252.3	345.7	336.4	299.0
85°	84.1	84.1	93.4	102.8	102.8	168.2	158.9	149.5	158.9	158.9	130.8
87.5°	56.1	56.1	56.1	65.4	65.4	74.8	84.1	93.4	93.4	93.4	84.1
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°	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0
2.5°	4737.7	4653.6	4532.1	4513.4	4448.0	4401.3	4448.0	4494.7	4578.8	4588.2	4625.5
5°	4345.2	4149.0	3999.5	3831.3	3747.2	3737.8	3719.1	3775.2	3896.7	3971.4	4027.5
7.5°	4083.6	3728.5	3466.8	3233.2	3149.1	3083.7	3139.8	3130.4	3289.3	3354.7	3410.8
10°	3943.4	3448.1	3055.7	2766.0	2653.8	2588.4	2579.1	2597.8	2691.2	2756.6	2822.0
12.5°	4036.8	3336.0	2756.6	2420.2	2298.8	2224.0	2158.6	2158.6	2177.3	2261.4	2289.4
15°	4345.2	3401.4	2616.5	2252.0	2093.2	1971.7	1887.6	1822.2	1831.5	1840.9	1868.9
17.5°	4793.7	3569.6	2569.7	2149.2	1981.0	1831.5	1747.4	1672.7	1654.0	1654.0	1644.6
20°	5223.6	3700.4	2532.4	2065.1	1850.2	1719.4	1644.6	1579.2	1551.2	1551.2	1551.2
22.5°	5401.1	3812.6	2485.6	1962.3	1719.4	1597.9	1532.5	1485.8	1476.4	1476.4	1467.1
25°	5261.0	3775.2	2429.6	1859.6	1597.9	1504.5	1448.4	1401.7	1392.3	1401.7	1392.3
27.5°	4821.8	3644.4	2354.8	1775.5	1504.5	1420.4	1373.6	1326.9	1317.6	1326.9	1326.9
30°	4354.5	3420.1	2233.3	1710.0	1429.7	1336.3	1289.5	1242.8	1242.8	1252.2	1261.5
32.5°	3980.8	3195.8	2093.2	1625.9	1345.6	1261.5	1214.8	1168.1	1168.1	1186.8	1186.8
35°	3663.1	3018.3	1953.0	1541.8	1270.9	1177.4	1140.0	1102.7	1093.3	1112.0	1121.3
37.5°	3410.8	2859.4	1803.5	1457.7	1196.1	1112.0	1074.6	1027.9	1018.6	1037.2	1055.9
40°	3149.1	2681.9	1672.7	1355.0	1121.3	1037.2	999.9	943.8	943.8	962.5	981.2
42.5°	2896.8	2523.0	1588.6	1261.5	1046.6	953.1	915.8	869.0	869.0	887.7	906.4
45°	2691.2	2373.5	1541.8	1168.1	962.5	878.4	831.7	794.3	803.6	822.3	841.0
47.5°	2495.0	2214.7	1551.2	1121.3	906.4	794.3	747.6	719.5	738.2	766.3	784.9
50°	2345.5	2102.5	1560.5	1046.6	831.7	728.9	682.2	663.5	691.5	719.5	738.2
52.5°	2252.0	1990.4	1504.5	953.1	775.6	663.5	635.4	635.4	663.5	682.2	700.8
55°	2158.6	1803.5	1383.0	850.4	719.5	616.7	598.0	598.0	626.1	644.8	654.1
57.5°	2083.8	1607.3	1242.8	766.3	654.1	570.0	570.0	570.0	579.4	588.7	607.4
60°	1943.7	1401.7	1065.3	700.8	588.7	532.6	523.3	523.3	513.9	523.3	551.3
62.5°	1700.7	1177.4	906.4	626.1	532.6	485.9	476.6	448.5	420.5	429.8	448.5
65°	*1439.1*	*934.5*	*756.9*	*542.0*	*457.9*	*429.8*	*420.5*	*373.8*	*336.4*	*345.7*	*373.8*
67.5°	1149.4	700.8	635.4	467.2	392.5	364.4	364.4	336.4	308.4	308.4	327.1
70°	897.1	588.7	476.6	373.8	308.4	308.4	327.1	299.0	261.6	261.6	289.7
72.5°	728.9	476.6	383.1	289.7	243.0	261.6	271.0	243.0	214.9	214.9	233.6
75°	570.0	373.8	299.0	214.9	186.9	196.2	214.9	196.2	168.2	177.5	186.9
77.5°	392.5	252.3	196.2	158.9	140.2	149.5	149.5	140.2	130.8	130.8	140.2
80°	261.6	168.2	130.8	112.1	102.8	102.8	93.4	93.4	102.8	102.8	112.1
82.5°	186.9	121.5	102.8	84.1	65.4	65.4	74.8	74.8	84.1	84.1	93.4
85°	112.1	84.1	74.8	56.1	46.7	56.1	56.1	65.4	74.8	74.8	84.1
87.5°	84.1	65.4	56.1	46.7	37.4	37.4	46.7	46.7	56.1	65.4	65.4
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: P1365341
CATALOG NUMBER: GSS-SB6C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0	5261.0
2.5°	4719.0	4831.1	4990.0	5130.1	5298.3	5466.5	5625.4	5774.9	5784.3	5793.6
5°	4205.0	4429.3	4691.0	5008.7	5345.1	5672.1	6017.9	6298.2	6363.6	6401.0
7.5°	3635.0	3962.1	4363.9	4812.4	5317.0	5821.6	6307.6	6728.1	6886.9	6924.3
10°	3037.0	3438.8	3924.7	4504.1	5186.2	5859.0	6513.1	7027.1	7214.0	7251.3
12.5°	2504.3	2831.4	3392.1	4092.9	4915.2	5802.9	6587.9	7157.9	7344.8	7391.5
15°	2046.5	2354.8	2878.1	3616.3	4541.4	5606.7	6531.8	7185.9	7372.8	7410.2
17.5°	1691.4	1887.6	2364.2	3167.8	4205.0	5354.4	6457.1	7204.6	7382.2	7410.2
20°	1551.2	1588.6	1840.9	2625.8	3849.9	5167.5	6410.3	7232.7	7410.2	7438.2
22.5°	1485.8	1485.8	1541.8	1999.7	3354.7	4971.3	6391.7	7316.8	7447.6	7475.6
25°	1420.4	1420.4	1439.1	1569.9	2766.0	4728.3	6429.0	7466.3	7550.4	7550.4
27.5°	1355.0	1355.0	1373.6	1401.7	2055.8	4326.5	6438.4	7634.5	7671.9	7643.8
30°	1289.5	1308.2	1308.2	1326.9	1513.8	3821.9	6382.3	7821.4	7821.4	7765.3
32.5°	1224.1	1233.5	1252.2	1261.5	1317.6	3167.8	6288.9	8055.0	8008.3	7933.5
35°	1168.1	1177.4	1177.4	1196.1	1252.2	2532.4	6186.1	8372.7	8241.9	8157.8
37.5°	1093.3	1102.7	1112.0	1130.7	1186.8	2009.1	6036.6	8643.7	8550.2	8438.1
40°	1027.9	1037.2	1046.6	1065.3	1121.3	1728.7	5849.7	9054.8	9036.2	8905.3
42.5°	953.1	971.8	981.2	990.5	1065.3	1579.2	5718.8	9718.3	9718.3	9559.4
45°	887.7	906.4	906.4	925.1	1027.9	1448.4	6008.5	10634.1	10708.8	10559.3
47.5°	831.7	841.0	841.0	850.4	971.8	1336.3	6784.1	12035.7	11942.3	11839.5
50°	775.6	794.3	775.6	784.9	925.1	1401.7	8064.3	13829.9	14072.9	13895.3
52.5°	738.2	747.6	710.2	710.2	859.7	1485.8	9110.9	16119.3	16932.3	16717.3
55°	691.5	700.8	654.1	654.1	756.9	1289.5	9176.3	18726.4	20511.2	20651.4
57.5°	644.8	644.8	607.4	598.0	654.1	1046.6	8139.1	20744.8	24791.0	25108.7
60°	588.7	579.4	560.7	542.0	598.0	962.5	6204.8	20473.8	26912.2	28014.9
62.5°	504.6	523.3	513.9	476.6	542.0	897.1	4046.2	17717.2	24520.0	25491.9
65°	*420.5*	*448.5*	*448.5*	*420.5*	*598.0*	*784.9*	*2130.6*	*14185.0*	*20464.5*	*21632.6*
67.5°	373.8	392.5	383.1	364.4	532.6	495.3	1027.9	10877.0	17521.0	18642.3
70°	327.1	345.7	317.7	299.0	429.8	355.1	607.4	7279.4	14465.3	15558.6
72.5°	271.0	289.7	261.6	233.6	317.7	271.0	401.8	4737.7	12045.1	13259.9
75°	224.3	233.6	214.9	186.9	233.6	214.9	280.3	3093.0	10073.4	10970.5
77.5°	158.9	177.5	168.2	140.2	168.2	149.5	196.2	1766.1	7027.1	7699.9
80°	121.5	121.5	121.5	112.1	102.8	102.8	130.8	794.3	3410.8	3793.9
82.5°	102.8	102.8	93.4	84.1	74.8	65.4	74.8	233.6	1607.3	1700.7
85°	93.4	74.8	65.4	56.1	46.7	28.0	28.0	65.4	327.1	271.0
87.5°	56.1	46.7	37.4	18.7	9.3	9.3	0.0	9.3	9.3	9.3
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

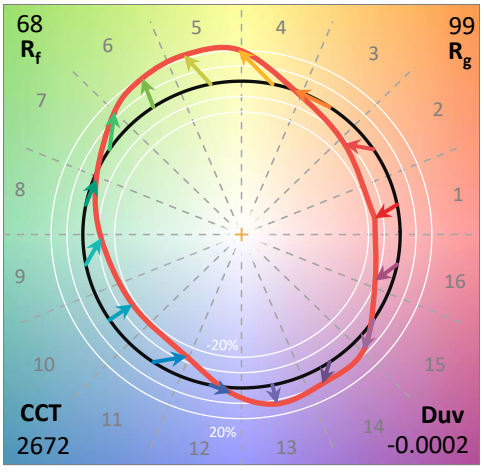
Test Information

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

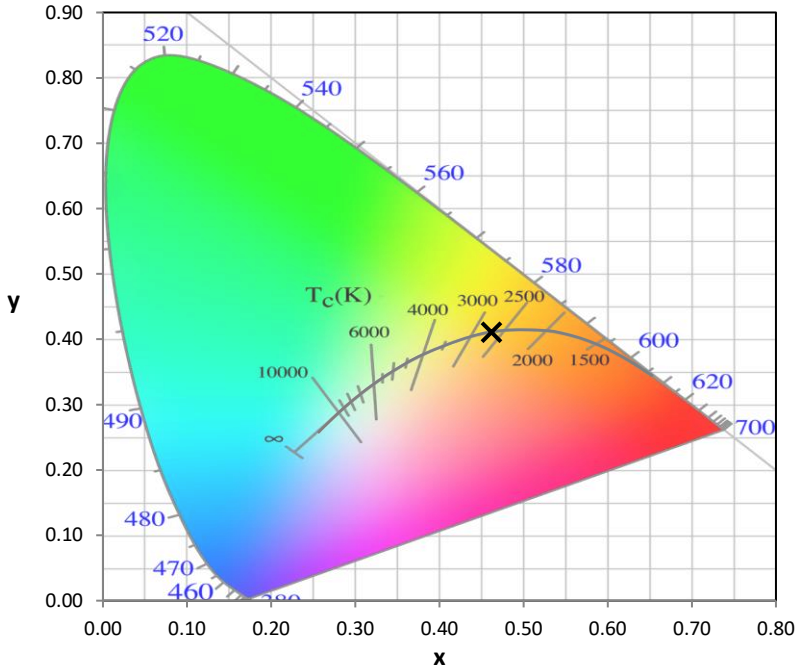
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

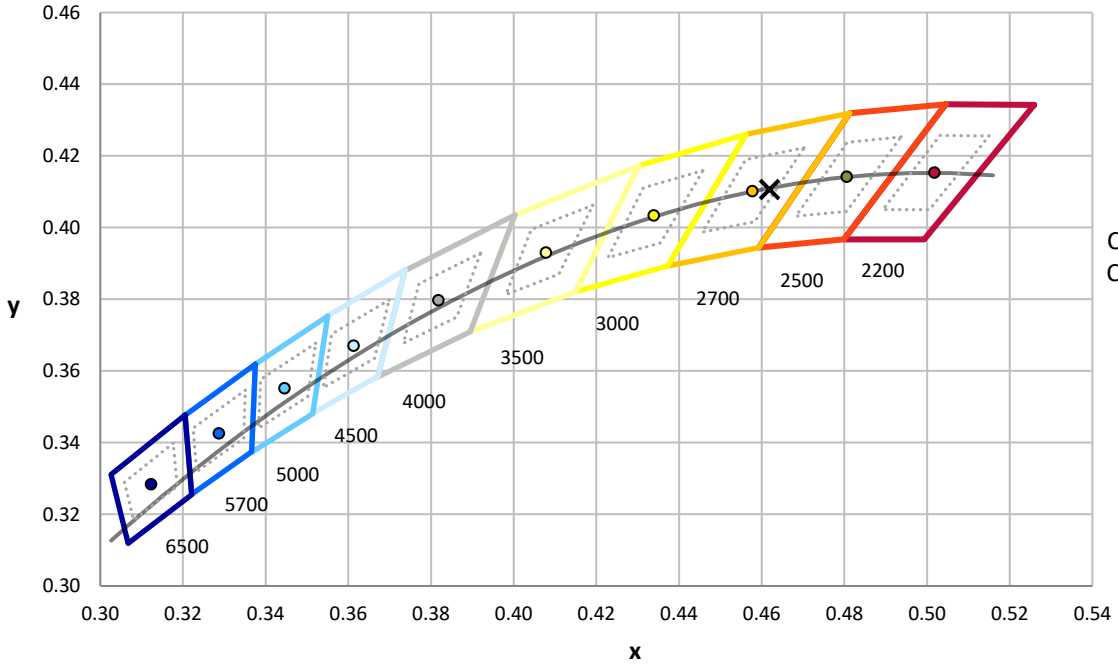
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

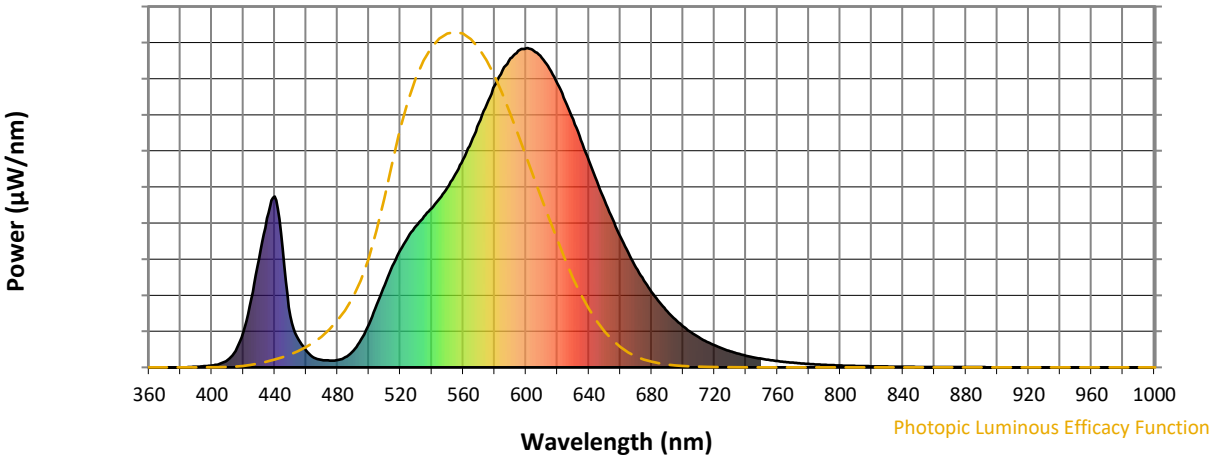


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

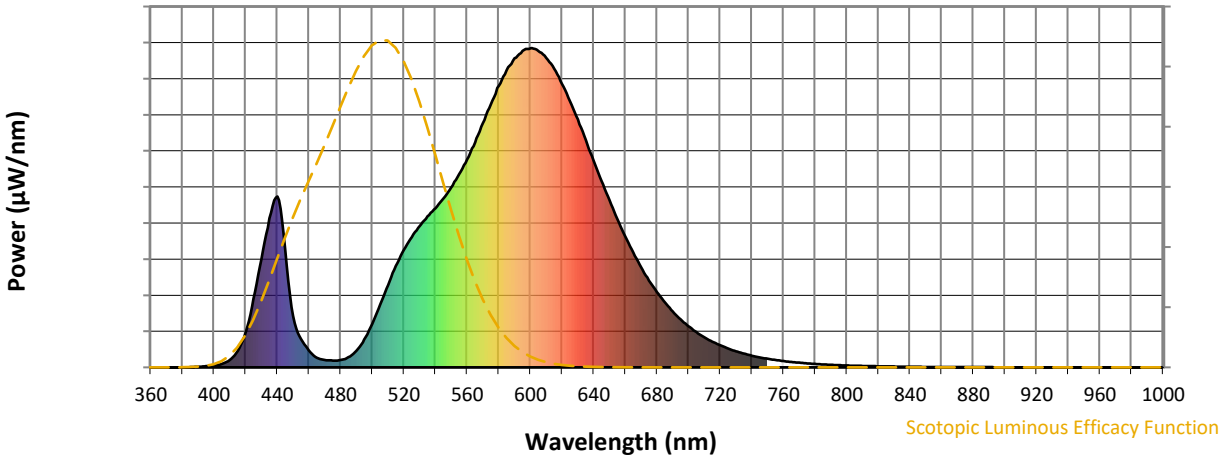


Photopic Lumens: NR

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

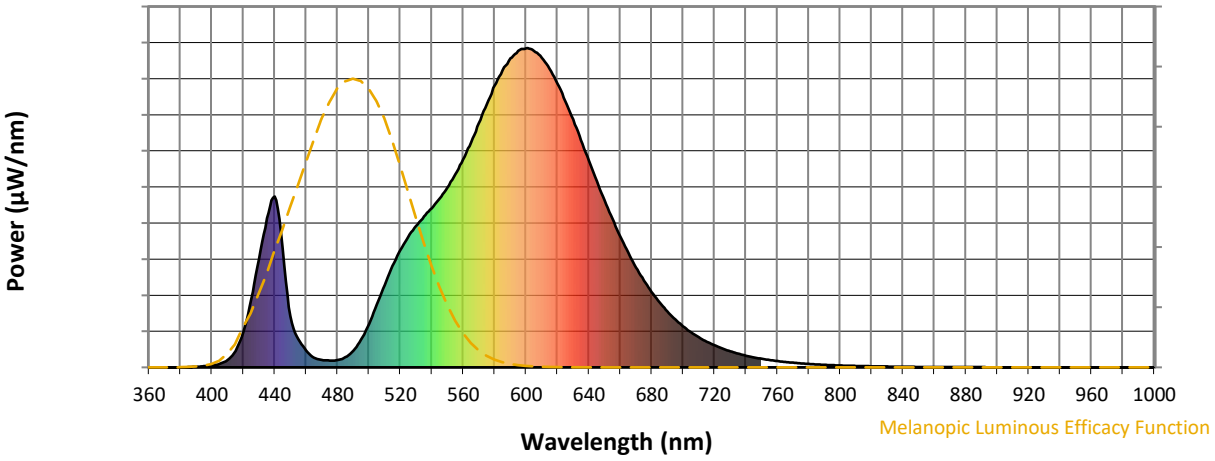


Scotopic Lumens: NR **S/P: 1.02**

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			

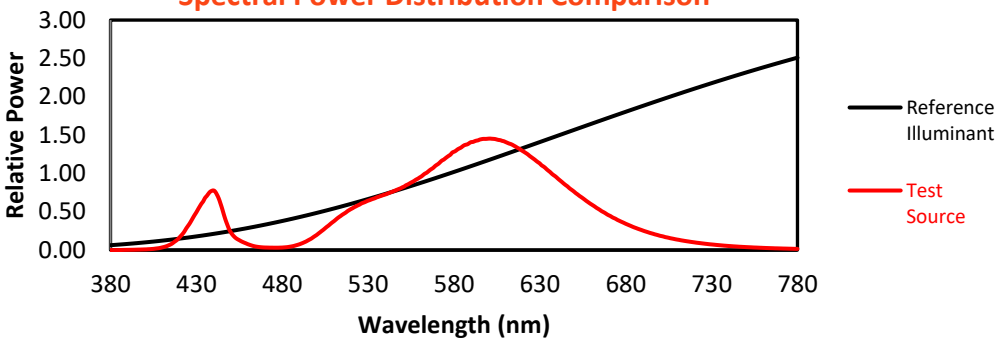
REPORT NUMBER: SP1-2407-184-3

TM-30-18

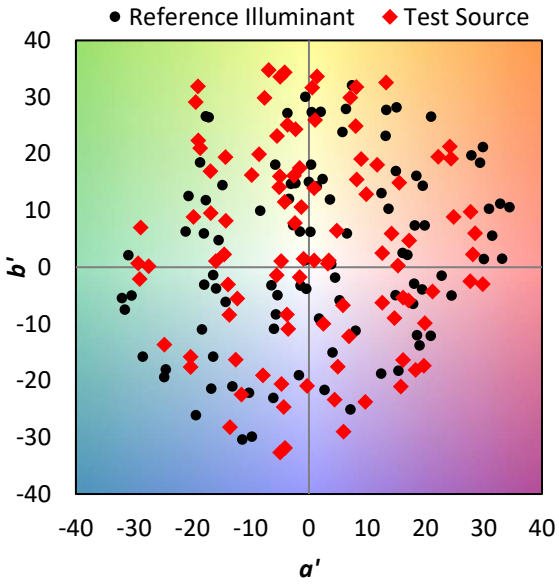
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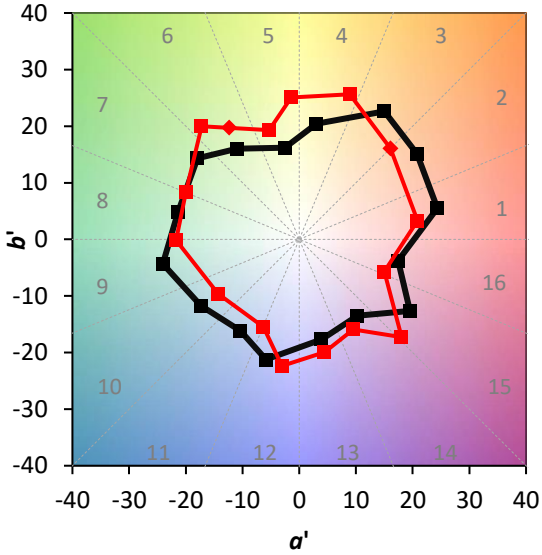
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

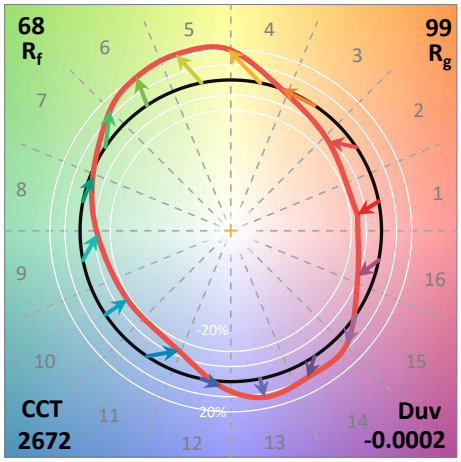
Spectral Power Distribution Comparison

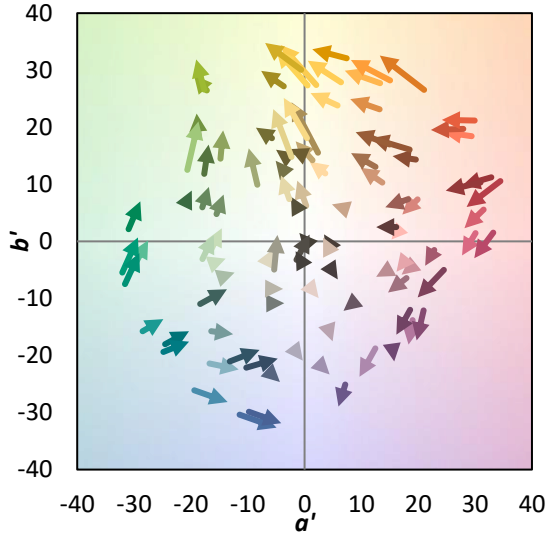


Color Vector Graphics







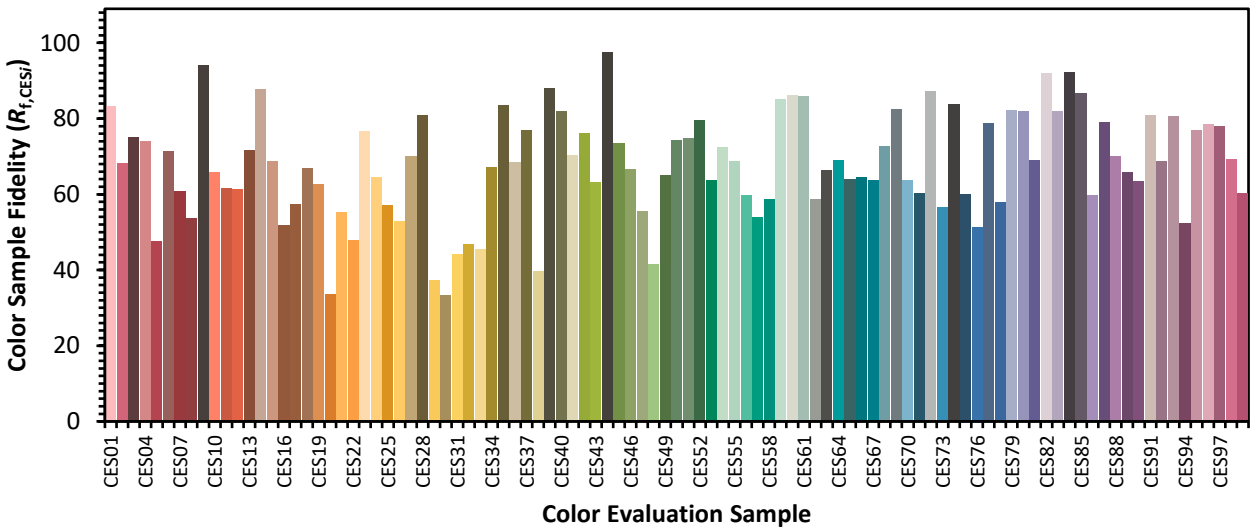


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Individual Sample Fidelity Index ($R_{f,i}$)

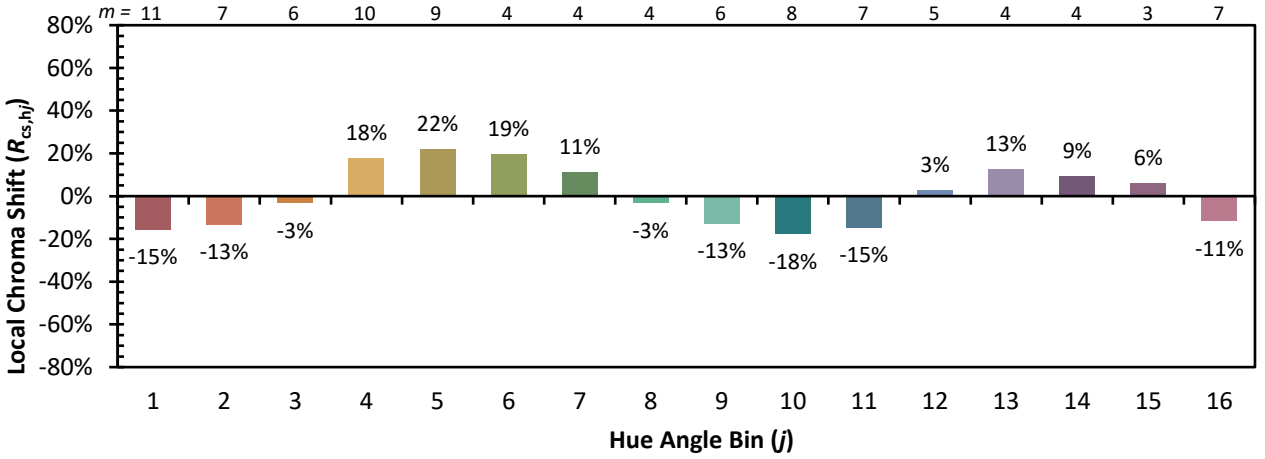
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57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

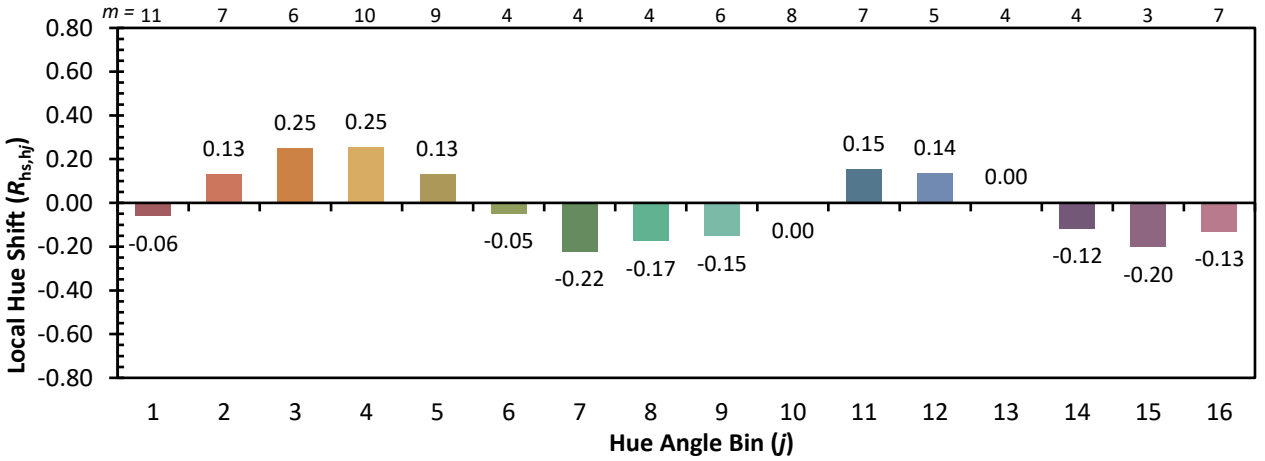


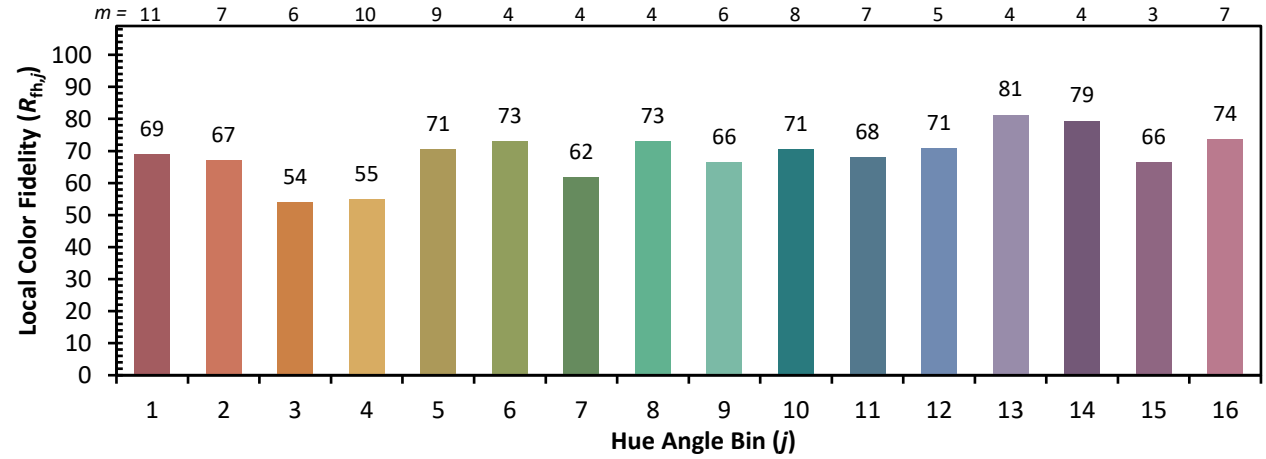
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Color Rendition by Hue-Angle Bin



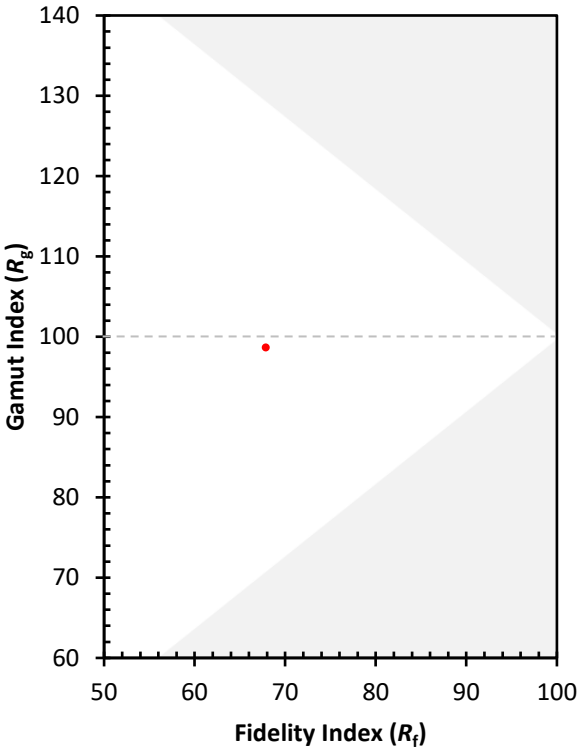


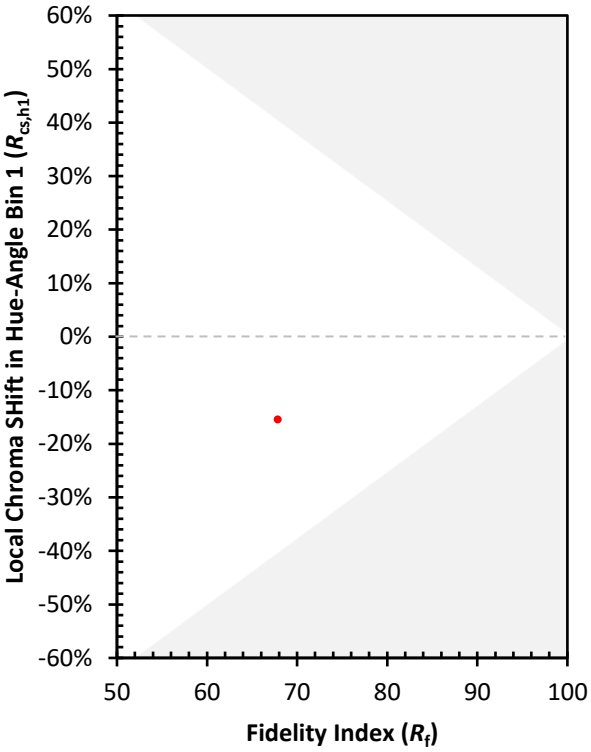


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Measure Comparisons





(END OF REPORT)