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: P1364525

Luminaire Tested: **GSS-SB6C-740-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:	P1364525
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-740-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	34699.5 lumens
Efficiency:	N/A
Efficacy:	115.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G5

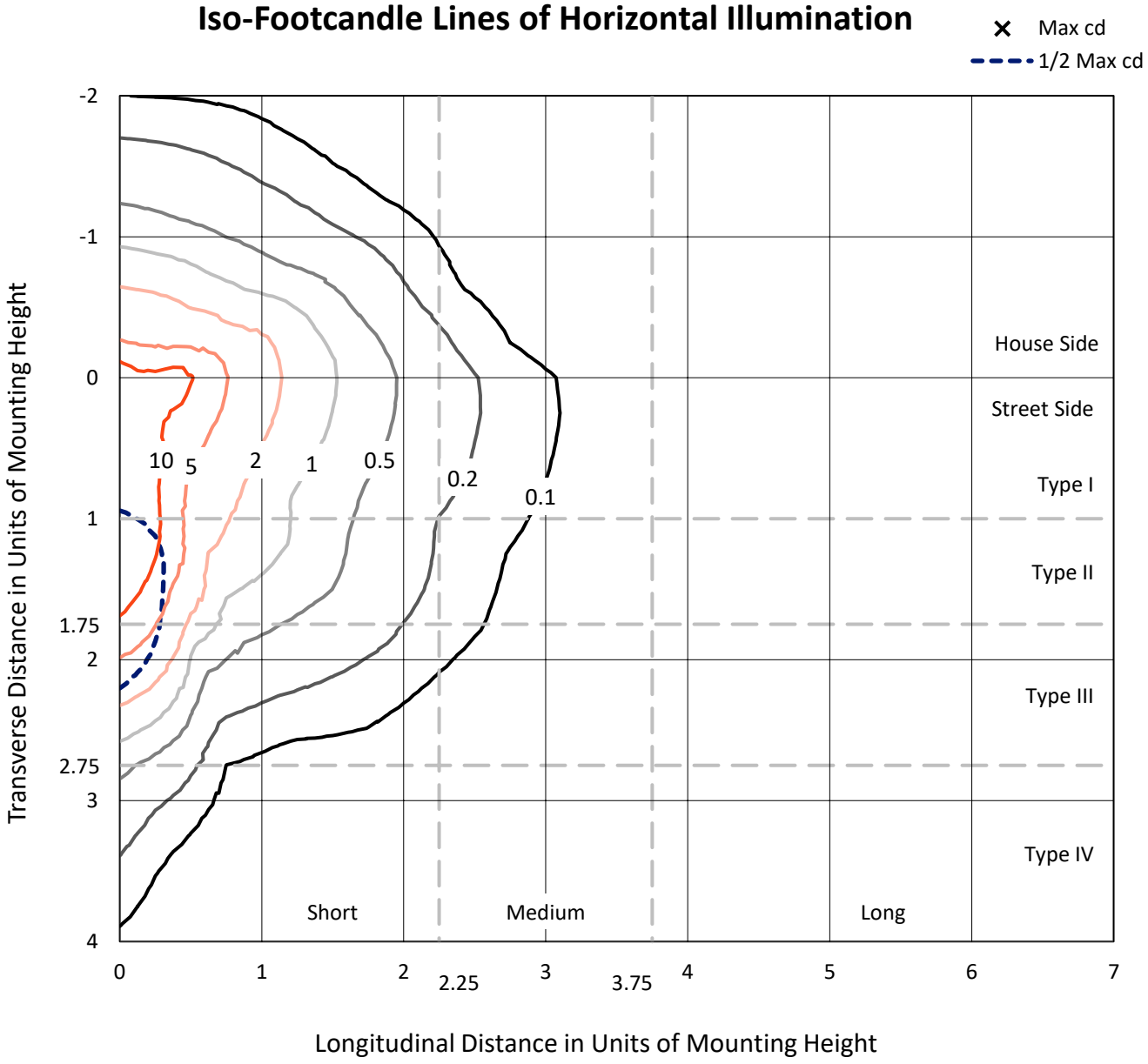
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



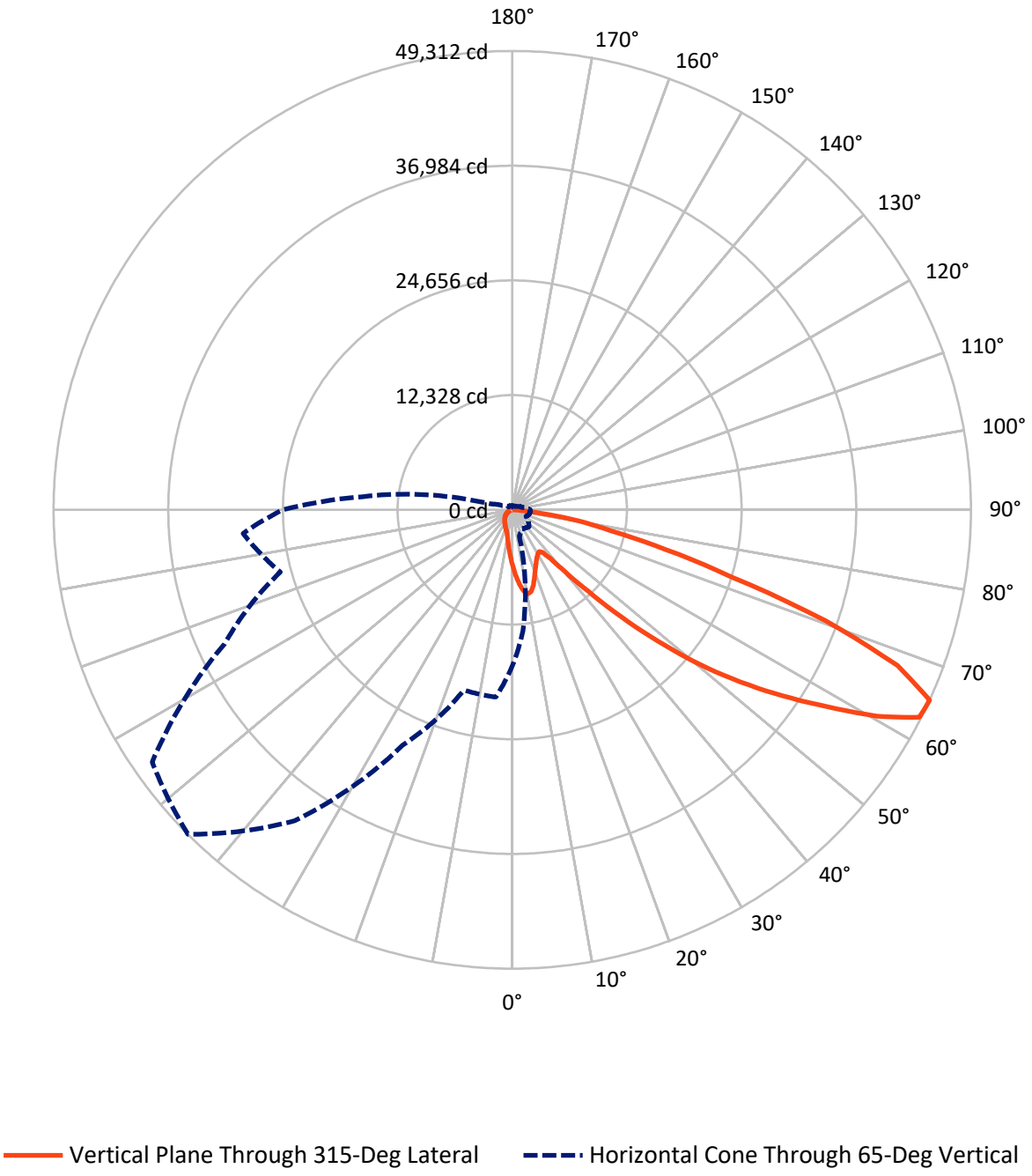
Based on 20 foot mounting height. Maximum calculated value = 19 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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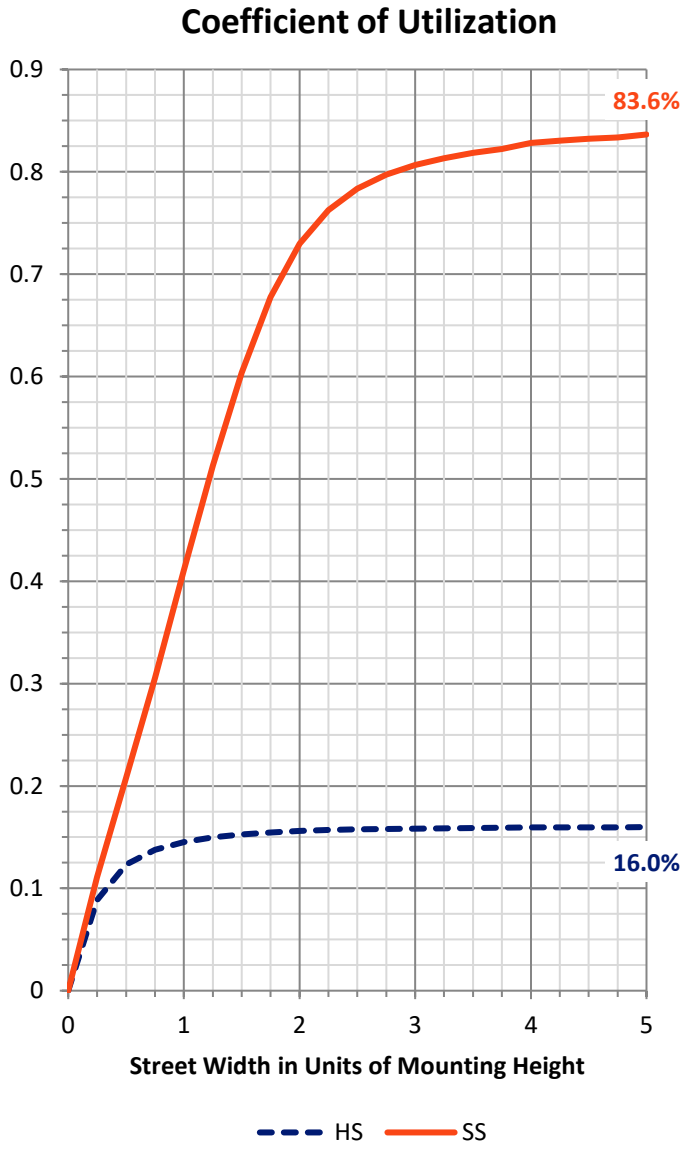
REPORT NUMBER: P1364525
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5609.3	0.0	5609.3
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	29090.1	0.0	29090.1
	% Fixture	83.8	0.0	83.8
Total	Lumens	34699.5	0.0	34699.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.5	1.7
10°-20°	1594.4	4.6
20°-30°	2283.6	6.6
30°-40°	2864.4	8.3
40°-50°	4705.3	13.6
50°-60°	8491.0	24.5
60°-70°	9423.3	27.2
70°-80°	4257.5	12.3
80°-90°	503.4	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°	34699.5	100.0
0°-180°	34699.5	100.0



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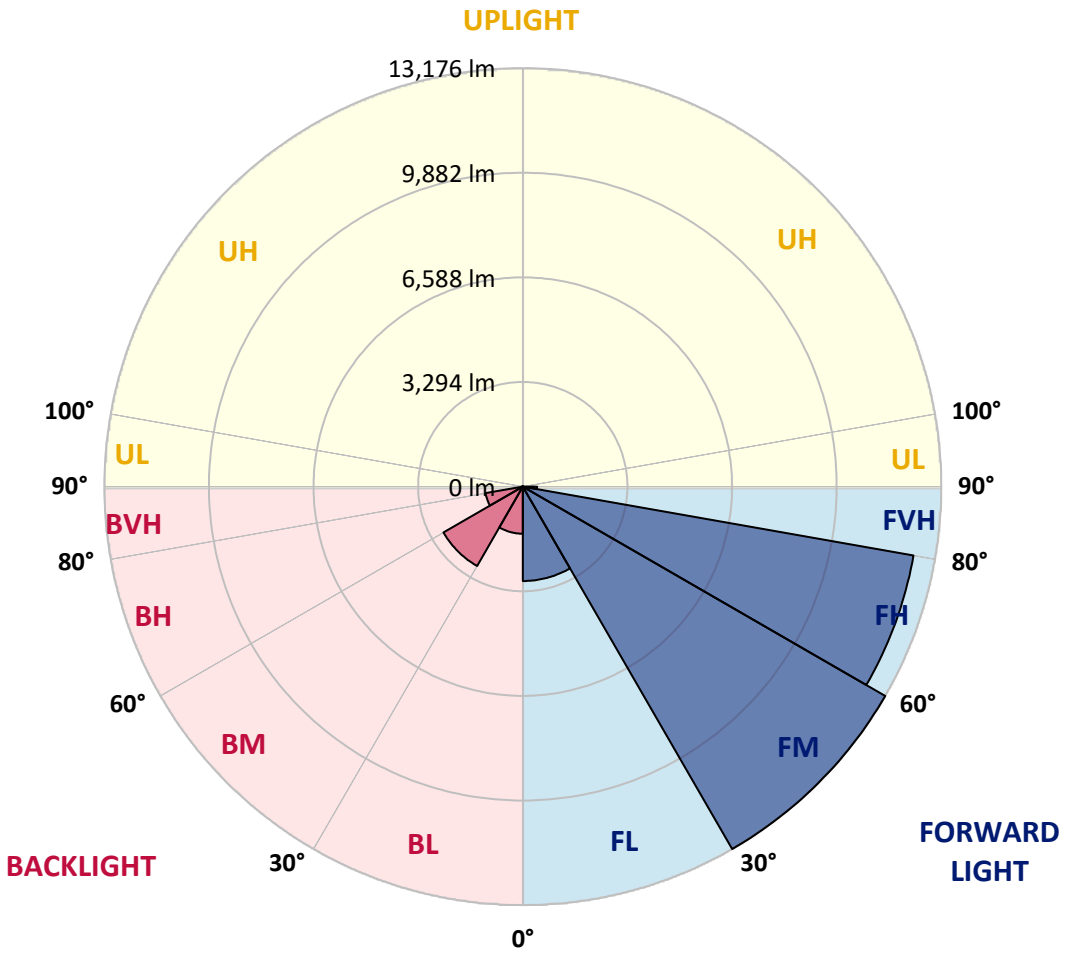
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2972.3	8.6			
FM	(30°-60°)	13176.3	38.0			
FH	(60°-80°)	12489.6	36.0			G5
FVH	(80°-90°)	451.9	1.3			G3/500
BL	(0°-30°)	1482.3	4.3	B3/2500		
BM	(30°-60°)	2884.3	8.3	B3/5000		
BH	(60°-80°)	1191.2	3.4	B3/2500		G3/2500
BVH	(80°-90°)	51.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8
2.5°	6766.0	6759.6	6734.0	6574.2	6414.4	6275.9	6137.3	5998.8	5807.0	5657.9	5530.0
5°	7405.3	7371.2	7234.8	6989.7	6723.4	6489.0	6222.6	5966.9	5679.2	5444.8	5199.7
7.5°	7842.2	7808.1	7671.7	7266.8	6861.9	6574.2	6286.5	6020.1	5700.5	5391.5	5039.9
10°	8044.6	8006.2	7852.8	7415.9	6947.1	6595.5	6307.8	6062.8	5796.4	5487.4	5050.5
12.5°	8183.1	8136.2	7948.7	7447.9	6968.4	6616.8	6318.5	6084.1	5892.3	5711.1	5284.9
15°	8268.4	8225.7	8055.3	7533.2	6979.1	6584.9	6233.2	6009.5	5945.5	5977.5	5775.1
17.5°	8396.2	8355.7	8193.8	7639.7	7043.0	6531.6	6052.1	5807.0	5945.5	6233.2	6297.2
20°	8566.7	8524.1	8353.6	7778.2	7096.3	6371.7	5711.1	5476.7	5828.3	6307.8	6638.1
22.5°	8758.5	8724.4	8588.0	7938.0	7149.6	6137.3	5263.6	5157.1	5583.3	6094.7	6520.9
25°	8992.9	8960.9	8833.1	8161.8	7202.8	5817.7	4880.0	4901.3	5263.6	5668.5	6105.4
27.5°	9312.6	9282.7	9163.4	8438.8	7266.8	5487.4	4571.0	4677.6	4944.0	5221.0	5487.4
30°	9664.2	9640.7	9547.0	8769.1	7394.6	5178.4	4389.9	4453.8	4635.0	4858.7	5018.6
32.5°	10143.7	10105.3	9951.9	9078.1	7384.0	4944.0	4304.7	4240.7	4294.0	4475.1	4635.0
35°	10740.3	10710.5	10591.2	9397.8	7192.2	4730.9	4262.0	4038.3	4006.3	4112.9	4272.7
37.5°	11614.1	11588.5	11486.2	9919.9	6893.8	4464.5	4155.5	3825.2	3718.6	3793.2	3899.8
40°	12924.6	12858.6	12594.3	10516.6	6563.5	4198.1	3963.7	3569.5	3420.3	3473.6	3590.8
42.5°	14704.0	14578.3	14075.4	11315.7	6116.0	3942.4	3676.0	3313.7	3153.9	3185.9	3292.4
45°	16984.2	16794.6	16035.9	12413.2	5647.2	3739.9	3377.7	3047.4	2876.9	2908.8	3026.0
47.5°	19648.0	19388.0	18348.1	13563.9	5146.4	3622.7	3143.3	2781.0	2653.1	2727.7	2844.9
50°	22791.3	22529.1	21480.7	14299.1	4741.5	3548.1	2962.1	2535.9	2482.6	2578.5	2674.4
52.5°	26222.2	25849.3	24357.6	13830.3	4411.2	3484.2	2898.2	2365.4	2386.7	2461.3	2557.2
55°	29557.2	28728.3	25412.4	12274.7	3985.0	3409.6	2940.8	2237.6	2290.8	2386.7	2461.3
57.5°	31730.9	30290.3	24528.0	9887.9	3537.5	3324.4	2972.8	2173.6	2216.3	2322.8	2408.1
60°	29834.3	28385.2	22588.8	7405.3	3153.9	3143.3	2919.5	2152.3	2088.4	2237.6	2312.2
62.5°	24442.8	23249.4	18475.9	4730.9	2791.6	2802.3	2802.3	2141.7	1875.3	2067.1	2131.0
65°	*16792.4*	*16046.6*	*13063.2*	*2930.2*	*2280.2*	*2386.7*	*2546.6*	*2077.7*	*1651.5*	*1875.3*	*1939.2*
67.5°	11038.7	10491.0	8300.3	1811.4	1758.1	1960.5	2205.6	1949.9	1481.1	1683.5	1726.1
70°	5988.2	5572.6	3910.4	1193.4	1150.8	1534.3	1736.8	1651.5	1331.9	1502.4	1545.0
72.5°	3953.0	3612.1	2248.2	841.8	841.8	1204.0	1214.7	1353.2	1193.4	1331.9	1374.5
75°	2972.8	2668.0	1449.1	586.0	650.0	767.2	948.3	969.6	1001.6	1129.4	1182.7
77.5°	1363.9	1197.6	532.8	351.6	479.5	532.8	724.5	618.0	745.9	841.8	863.1
80°	788.5	690.5	298.3	234.4	309.0	341.0	596.7	362.3	447.5	596.7	628.7
82.5°	330.3	294.1	149.2	159.8	191.8	202.4	330.3	255.7	287.7	394.2	383.6
85°	95.9	95.9	95.9	106.6	117.2	117.2	191.8	181.1	170.5	181.1	181.1
87.5°	63.9	63.9	63.9	63.9	74.6	74.6	85.2	95.9	106.6	106.6	106.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8
2.5°	5476.7	5402.1	5306.2	5167.7	5146.4	5071.8	5018.6	5071.8	5125.1	5221.0	5231.7
5°	5071.8	4954.6	4730.9	4560.4	4368.6	4272.7	4262.0	4240.7	4304.7	4443.2	4528.4
7.5°	4848.1	4656.3	4251.4	3953.0	3686.7	3590.8	3516.2	3580.1	3569.5	3750.6	3825.2
10°	4794.8	4496.5	3931.7	3484.2	3153.9	3026.0	2951.5	2940.8	2962.1	3068.7	3143.3
12.5°	4986.6	4603.0	3803.9	3143.3	2759.7	2621.2	2535.9	2461.3	2461.3	2482.6	2578.5
15°	5412.8	4954.6	3878.5	2983.4	2567.9	2386.7	2248.2	2152.3	2077.7	2088.4	2099.1
17.5°	6009.5	5466.1	4070.2	2930.2	2450.7	2258.9	2088.4	1992.5	1907.3	1886.0	1886.0
20°	6478.3	5956.2	4219.4	2887.5	2354.8	2109.7	1960.5	1875.3	1800.7	1768.7	1768.7
22.5°	6531.6	6158.6	4347.3	2834.3	2237.6	1960.5	1822.0	1747.4	1694.2	1683.5	1683.5
25°	6180.0	5998.8	4304.7	2770.3	2120.4	1822.0	1715.5	1651.5	1598.3	1587.6	1598.3
27.5°	5593.9	5498.0	4155.5	2685.1	2024.5	1715.5	1619.6	1566.3	1513.0	1502.4	1513.0
30°	5071.8	4965.3	3899.8	2546.6	1949.9	1630.2	1523.7	1470.4	1417.1	1417.1	1427.8
32.5°	4645.6	4539.1	3644.0	2386.7	1854.0	1534.3	1438.4	1385.2	1331.9	1331.9	1353.2
35°	4262.0	4176.8	3441.6	2226.9	1758.1	1449.1	1342.5	1299.9	1257.3	1246.6	1268.0
37.5°	3931.7	3889.1	3260.5	2056.4	1662.2	1363.9	1268.0	1225.3	1172.1	1161.4	1182.7
40°	3612.1	3590.8	3058.0	1907.3	1545.0	1278.6	1182.7	1140.1	1076.2	1076.2	1097.5
42.5°	3313.7	3303.1	2876.9	1811.4	1438.4	1193.4	1086.8	1044.2	990.9	990.9	1012.2
45°	3079.3	3068.7	2706.4	1758.1	1331.9	1097.5	1001.6	948.3	905.7	916.3	937.6
47.5°	2866.2	2844.9	2525.3	1768.7	1278.6	1033.5	905.7	852.4	820.4	841.8	873.7
50°	2695.7	2674.4	2397.4	1779.4	1193.4	948.3	831.1	777.8	756.5	788.5	820.4
52.5°	2589.2	2567.9	2269.5	1715.5	1086.8	884.4	756.5	724.5	724.5	756.5	777.8
55°	2482.6	2461.3	2056.4	1577.0	969.6	820.4	703.2	681.9	681.9	713.9	735.2
57.5°	2418.7	2376.1	1832.7	1417.1	873.7	745.9	650.0	650.0	650.0	660.6	671.3
60°	2322.8	2216.3	1598.3	1214.7	799.1	671.3	607.3	596.7	596.7	586.0	596.7
62.5°	2120.4	1939.2	1342.5	1033.5	713.9	607.3	554.1	543.4	511.4	479.5	490.1
65°	*1917.9*	*1640.9*	*1065.5*	*863.1*	*618.0*	*522.1*	*490.1*	*479.5*	*426.2*	*383.6*	*394.2*
67.5°	1662.2	1310.6	799.1	724.5	532.8	447.5	415.5	415.5	383.6	351.6	351.6
70°	1481.1	1022.9	671.3	543.4	426.2	351.6	351.6	372.9	341.0	298.3	298.3
72.5°	1310.6	831.1	543.4	436.9	330.3	277.0	298.3	309.0	277.0	245.1	245.1
75°	1118.8	650.0	426.2	341.0	245.1	213.1	223.8	245.1	223.8	191.8	202.4
77.5°	809.8	447.5	287.7	223.8	181.1	159.8	170.5	170.5	159.8	149.2	149.2
80°	564.7	298.3	191.8	149.2	127.9	117.2	117.2	106.6	106.6	117.2	117.2
82.5°	341.0	213.1	138.5	117.2	95.9	74.6	74.6	85.2	85.2	95.9	95.9
85°	149.2	127.9	95.9	85.2	63.9	53.3	63.9	63.9	74.6	85.2	85.2
87.5°	95.9	95.9	74.6	63.9	53.3	42.6	42.6	53.3	53.3	63.9	74.6
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°	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8
2.5°	5274.3	5380.8	5508.7	5689.8	5849.6	6041.4	6233.2	6414.4	6584.9	6606.2	6680.7
5°	4592.3	4794.8	5050.5	5348.9	5711.1	6094.7	6467.6	6861.9	7181.5	7298.7	7469.2
7.5°	3889.1	4144.8	4517.8	4975.9	5487.4	6062.8	6638.1	7192.2	7671.7	7895.4	8119.2
10°	3217.8	3462.9	3921.1	4475.1	5135.8	5913.6	6680.7	7426.6	8012.6	8268.4	8481.5
12.5°	2610.5	2855.6	3228.5	3867.8	4666.9	5604.6	6616.8	7511.8	8161.8	8428.2	8630.6
15°	2131.0	2333.5	2685.1	3281.8	4123.5	5178.4	6393.1	7447.9	8193.8	8449.5	8598.7
17.5°	1875.3	1928.6	2152.3	2695.7	3612.1	4794.8	6105.4	7362.7	8215.1	8449.5	8534.7
20°	1768.7	1768.7	1811.4	2099.1	2994.1	4389.9	5892.3	7309.4	8247.0	8481.5	8470.8
22.5°	1672.9	1694.2	1694.2	1758.1	2280.2	3825.2	5668.5	7288.1	8342.9	8524.1	8374.9
25°	1587.6	1619.6	1619.6	1640.9	1790.1	3153.9	5391.5	7330.7	8513.4	8609.3	8311.0
27.5°	1513.0	1545.0	1545.0	1566.3	1598.3	2344.1	4933.3	7341.4	8705.2	8715.9	8225.7
30°	1438.4	1470.4	1491.7	1491.7	1513.0	1726.1	4357.9	7277.4	8918.3	8854.4	8215.1
32.5°	1353.2	1395.8	1406.5	1427.8	1438.4	1502.4	3612.1	7170.9	9184.7	9046.2	8225.7
35°	1278.6	1331.9	1342.5	1342.5	1363.9	1427.8	2887.5	7053.7	9547.0	9301.9	8268.4
37.5°	1204.0	1246.6	1257.3	1268.0	1289.3	1353.2	2290.8	6883.2	9856.0	9621.6	8481.5
40°	1118.8	1172.1	1182.7	1193.4	1214.7	1278.6	1971.2	6670.1	10324.8	10154.3	8801.1
42.5°	1033.5	1086.8	1108.1	1118.8	1129.4	1214.7	1800.7	6520.9	11081.3	10900.2	9451.1
45°	959.0	1012.2	1033.5	1033.5	1054.9	1172.1	1651.5	6851.2	12125.5	12040.3	10324.8
47.5°	895.0	948.3	959.0	959.0	969.6	1108.1	1523.7	7735.6	13723.8	13500.0	11688.6
50°	841.8	884.4	905.7	884.4	895.0	1054.9	1598.3	9195.4	15769.5	15844.1	13691.8
52.5°	799.1	841.8	852.4	809.8	809.8	980.3	1694.2	10388.7	18380.0	19062.0	16867.0
55°	745.9	788.5	799.1	745.9	745.9	863.1	1470.4	10463.3	21352.8	23547.8	21001.2
57.5°	692.6	735.2	735.2	692.6	681.9	745.9	1193.4	9280.6	23654.3	28630.3	26659.1
60°	628.7	671.3	660.6	639.3	618.0	681.9	1097.5	7075.0	23345.3	31944.0	33148.0
62.5°	511.4	575.4	596.7	586.0	543.4	618.0	1022.9	4613.7	20202.1	29067.1	32945.6
65°	*426.2*	*479.5*	*511.4*	*511.4*	*479.5*	*681.9*	*895.0*	*2429.4*	*16174.4*	*24666.6*	*29045.8*
67.5°	372.9	426.2	447.5	436.9	415.5	607.3	564.7	1172.1	12402.5	21256.9	25998.4
70°	330.3	372.9	394.2	362.3	341.0	490.1	404.9	692.6	8300.3	17740.7	23153.5
72.5°	266.4	309.0	330.3	298.3	266.4	362.3	309.0	458.2	5402.1	15119.6	20575.0
75°	213.1	255.7	266.4	245.1	213.1	266.4	245.1	319.7	3526.8	12509.1	17495.7
77.5°	159.8	181.1	202.4	191.8	159.8	191.8	170.5	223.8	2013.8	8779.8	12274.7
80°	127.9	138.5	138.5	138.5	127.9	117.2	117.2	149.2	905.7	4326.0	6403.7
82.5°	106.6	117.2	117.2	106.6	95.9	85.2	74.6	85.2	266.4	1939.2	2951.5
85°	95.9	106.6	85.2	74.6	63.9	53.3	32.0	32.0	74.6	309.0	575.4
87.5°	74.6	63.9	53.3	42.6	21.3	10.7	10.7	0.0	10.7	10.7	10.7
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: P1364525
CATALOG NUMBER: GSS-SB6C-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8	5998.8
2.5°	6798.0	6904.5	6979.1	7043.0	7021.7	6968.4	6861.9	6787.3	6770.3	6766.0
5°	7693.0	7863.5	8012.6	7991.3	8012.6	7852.8	7693.0	7501.2	7424.5	7405.3
7.5°	8438.8	8651.9	8833.1	8811.8	8747.8	8566.7	8300.3	8012.6	7876.2	7842.2
10°	8843.7	9088.8	9238.0	9184.7	9078.1	8843.7	8577.4	8236.4	8083.0	8044.6
12.5°	8918.3	9078.1	9046.2	9024.9	9003.6	8886.4	8683.9	8374.9	8221.5	8183.1
15°	8726.5	8662.6	8481.5	8438.8	8598.7	8747.8	8705.2	8449.5	8304.6	8268.4
17.5°	8406.9	8076.6	7746.3	7703.6	7970.0	8385.6	8715.9	8566.7	8430.3	8396.2
20°	8055.3	7437.3	7075.0	7000.4	7330.7	7948.7	8598.7	8683.9	8590.1	8566.7
22.5°	7639.7	6915.2	6531.6	6489.0	6734.0	7458.6	8428.2	8811.8	8769.1	8758.5
25°	7277.4	6457.0	6094.7	6030.8	6350.4	7053.7	8257.7	9024.9	8999.3	8992.9
27.5°	6979.1	6126.7	5743.1	5700.5	6009.5	6712.7	8044.6	9206.0	9291.2	9312.6
30°	6744.7	5881.6	5498.0	5444.8	5785.7	6478.3	7895.4	9461.7	9623.7	9664.2
32.5°	6563.5	5743.1	5380.8	5348.9	5711.1	6382.4	7810.2	9728.1	10060.5	10143.7
35°	6499.6	5785.7	5540.7	5615.2	5892.3	6478.3	7874.1	10165.0	10625.3	10740.3
37.5°	6638.1	6254.5	6425.0	6616.8	6723.4	6936.5	8172.5	10868.2	11464.9	11614.1
40°	7085.6	7511.8	8311.0	8683.9	8641.3	8151.2	8854.4	11859.1	12711.5	12924.6
42.5°	8225.7	9610.9	11305.1	11933.7	11571.4	10090.4	9941.2	13489.4	14461.1	14704.0
45°	9919.9	12146.8	14927.8	16344.9	15098.3	12551.7	11656.7	15812.2	16749.8	16984.2
47.5°	11614.1	14981.1	19402.9	21086.4	18635.8	14991.7	13904.9	18593.1	19437.0	19648.0
50°	13340.2	18113.7	23867.4	26115.6	22162.6	17474.4	16291.6	22024.1	22637.8	22791.3
52.5°	15119.6	20916.0	28790.1	30729.3	25849.3	19392.3	19019.4	25764.0	26130.6	26222.2
55°	17101.4	23569.1	33723.4	35289.7	29205.6	21065.1	22215.9	29674.5	29580.7	29557.2
57.5°	19743.9	26360.7	37697.7	39882.0	32253.0	23324.0	26488.6	34021.7	32189.1	31730.9
60°	24357.6	30697.3	42641.7	45017.8	36333.9	26627.1	29631.8	33925.8	30652.6	29834.3
62.5°	29706.4	34874.1	47116.8	49120.0	40627.9	29908.9	27127.9	28491.7	25252.6	24442.8
65°	25806.7	34138.9	47255.4	49311.8	40787.7	27905.7	20052.9	20202.1	17474.4	16792.4
67.5°	21960.2	30260.5	43035.9	44655.5	36387.2	23068.3	13297.6	13180.4	11467.0	11038.7
70°	19552.1	26509.9	37090.4	35694.6	30590.8	19498.8	8833.1	7320.1	6254.5	5988.2
72.5°	17570.3	21033.2	30058.0	24602.6	25380.4	15865.4	5615.2	4986.6	4159.8	3953.0
75°	15908.1	17399.8	18753.0	17005.5	18028.4	13073.8	4762.8	3846.5	3147.5	2972.8
77.5°	12658.3	13542.6	11102.6	10783.0	12626.3	9301.9	2365.4	1619.6	1415.0	1363.9
80°	7533.2	6403.7	6297.2	7181.5	8406.9	4826.8	1449.1	895.0	809.8	788.5
82.5°	4560.4	2312.2	2514.6	3175.2	4475.1	2195.0	863.1	383.6	341.0	330.3
85°	767.2	628.7	969.6	927.0	873.7	468.8	234.4	106.6	98.0	95.9
87.5°	21.3	32.0	42.6	53.3	53.3	53.3	53.3	53.3	61.8	63.9
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: SP1-2407-184-1

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

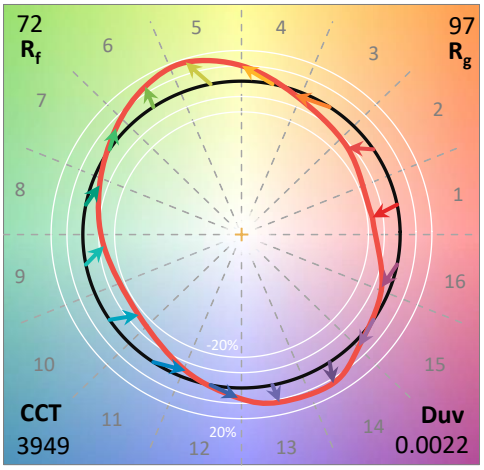
Test Information

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
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

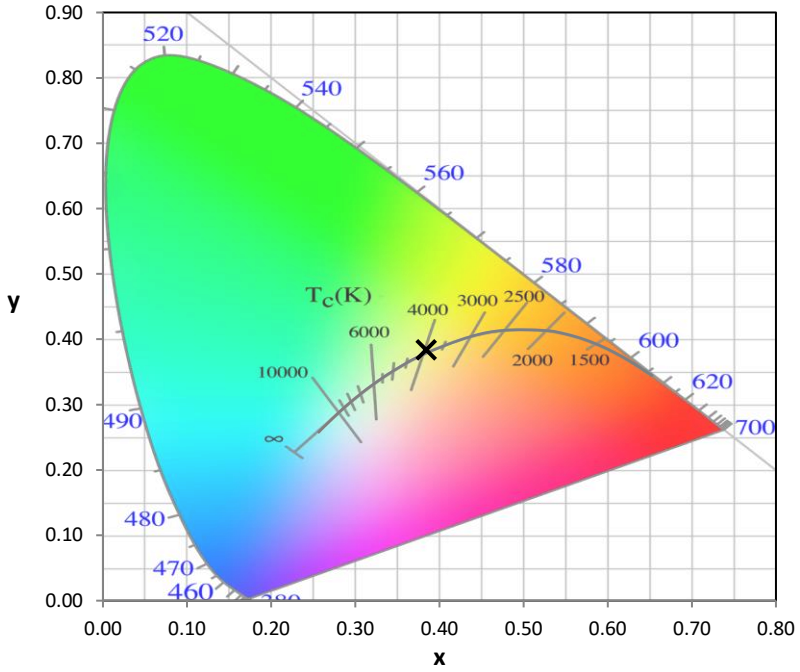
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

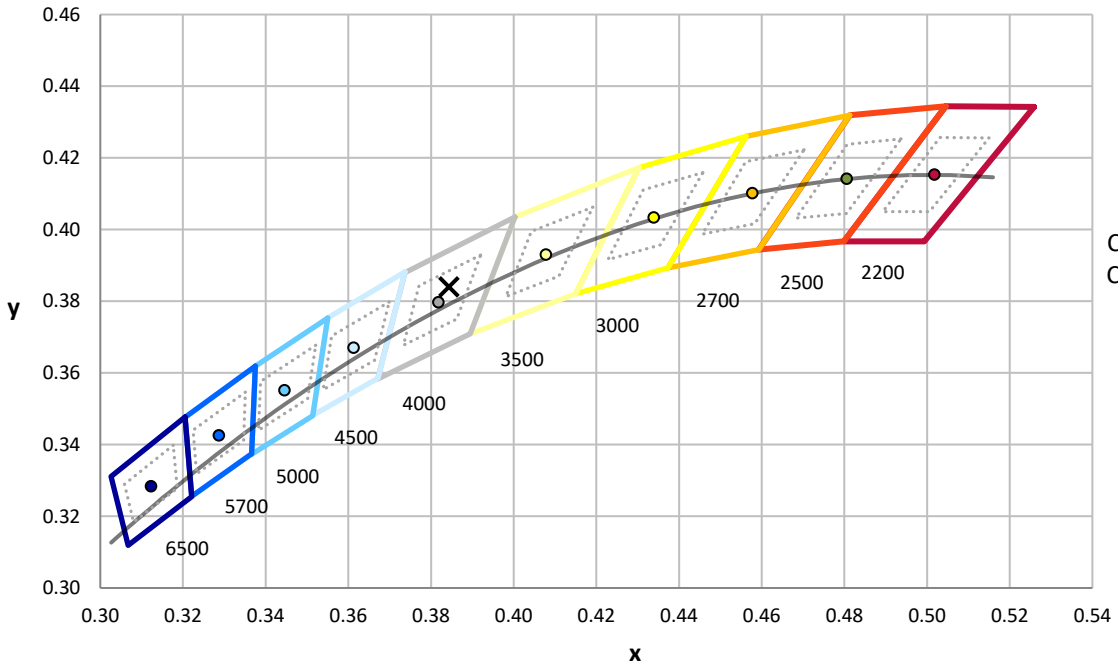
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

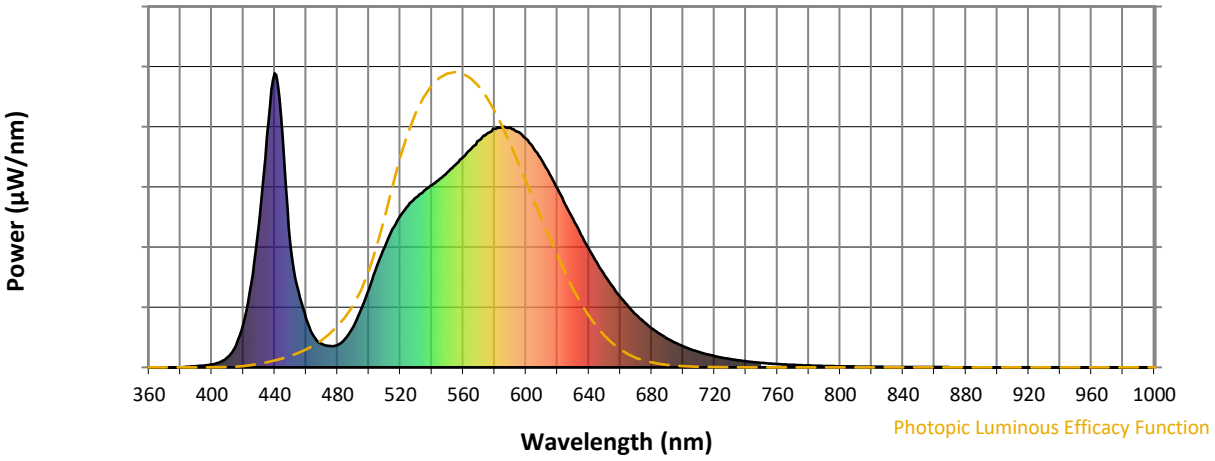


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

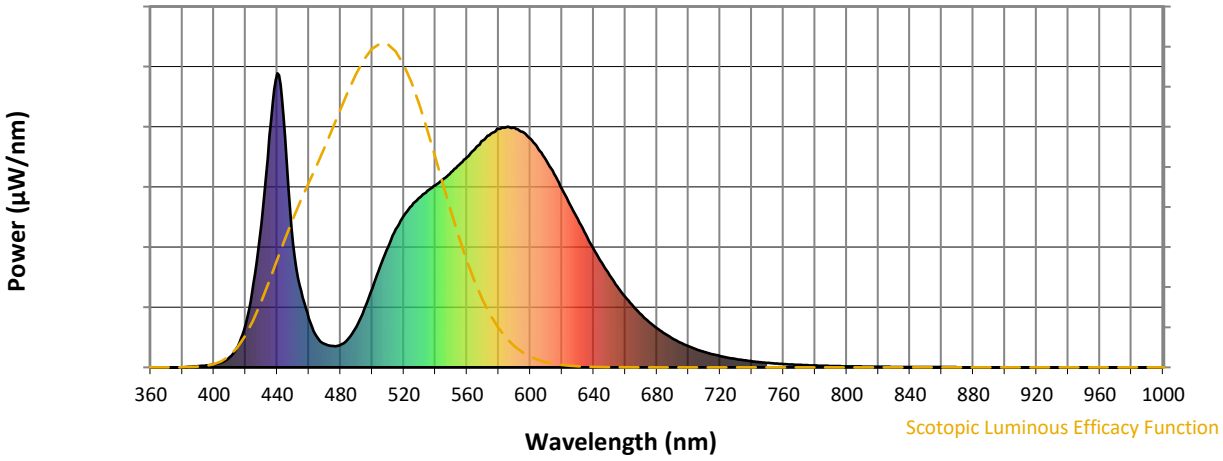


Photopic Lumens: NR

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	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

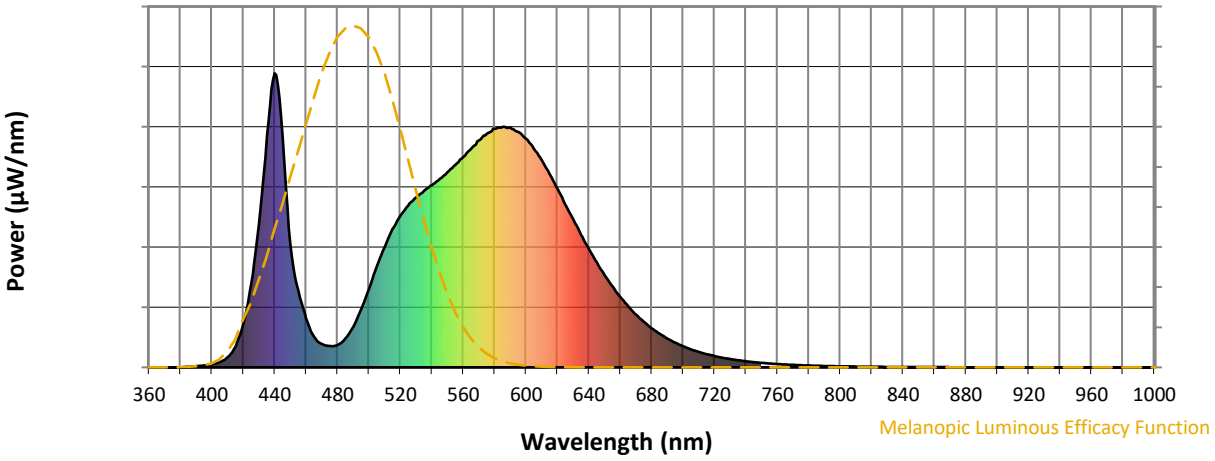


Scotopic Lumens: NR **S/P: 1.47**

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 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			

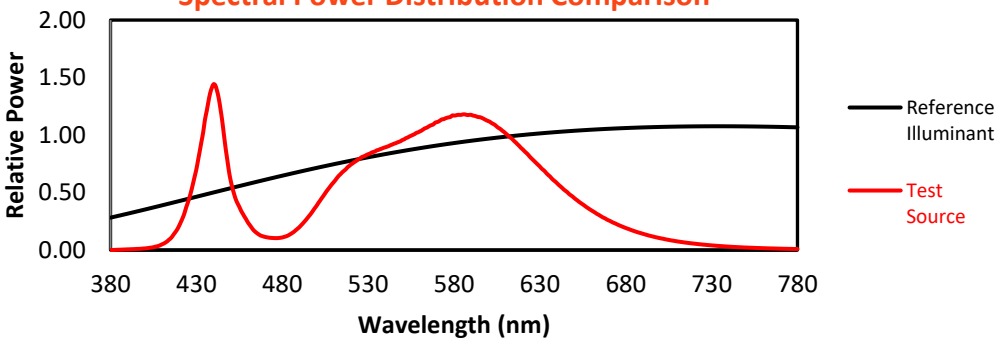
REPORT NUMBER: SP1-2407-184-1

TM-30-18

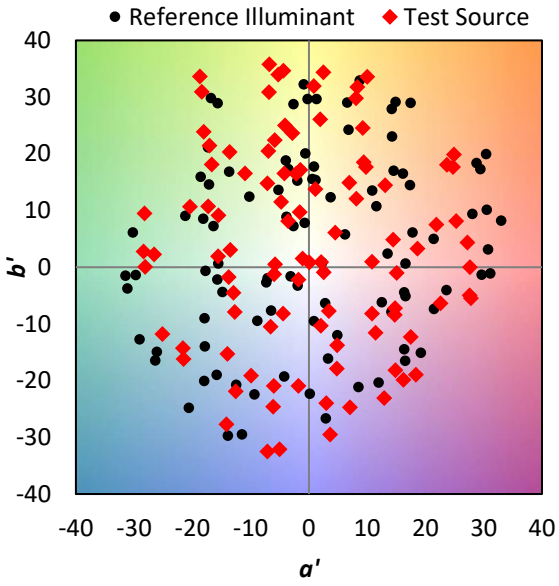
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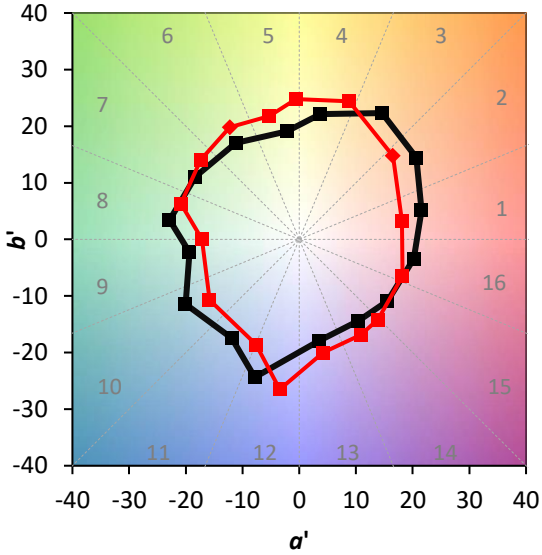
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

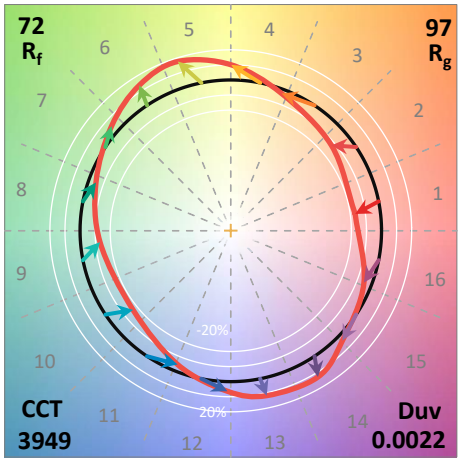
Spectral Power Distribution Comparison

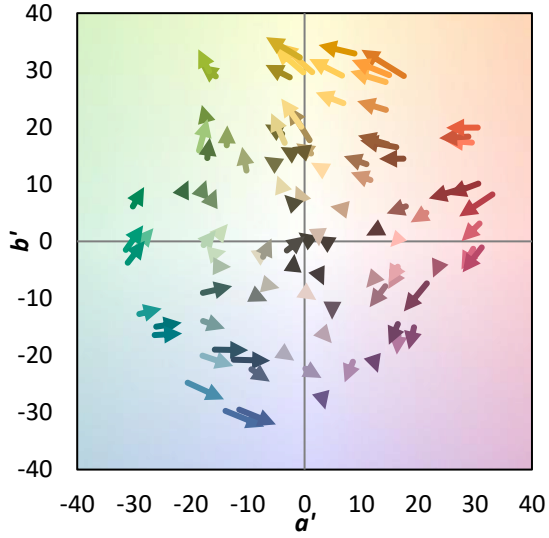


Color Vector Graphics







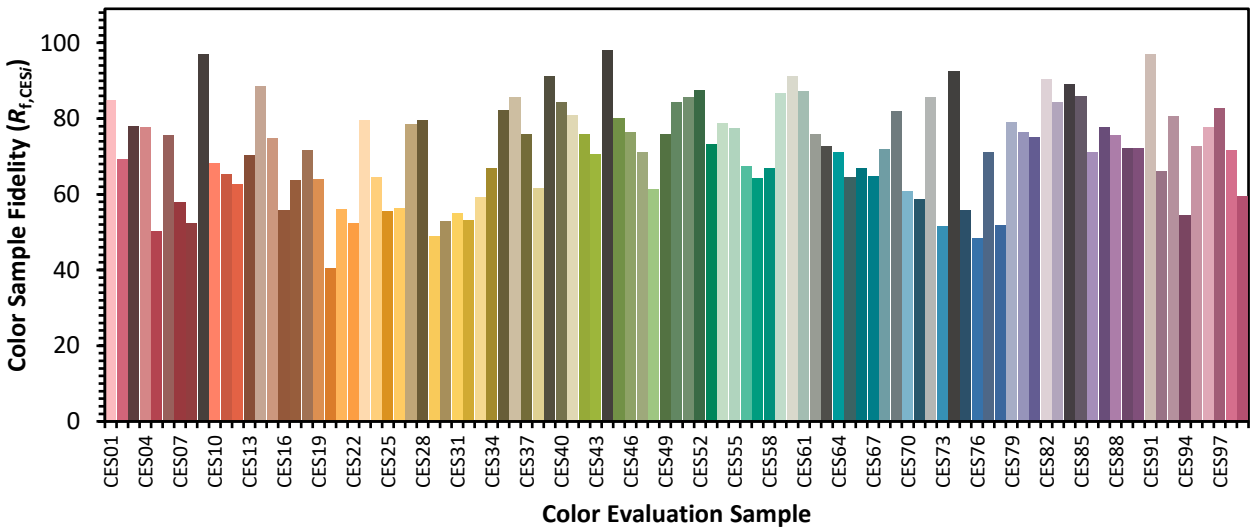


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Individual Sample Fidelity Index ($R_{f,i}$)

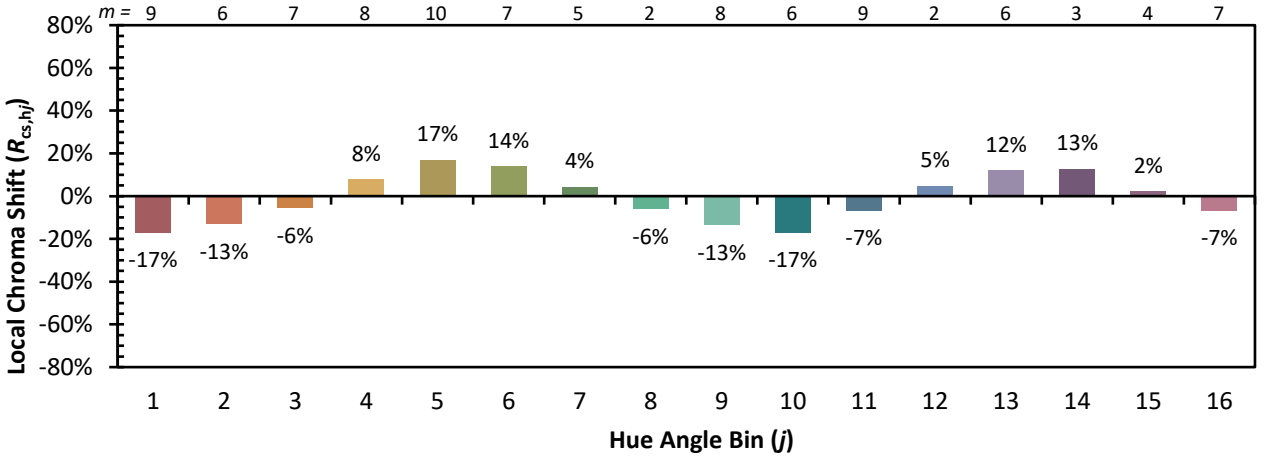
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 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	

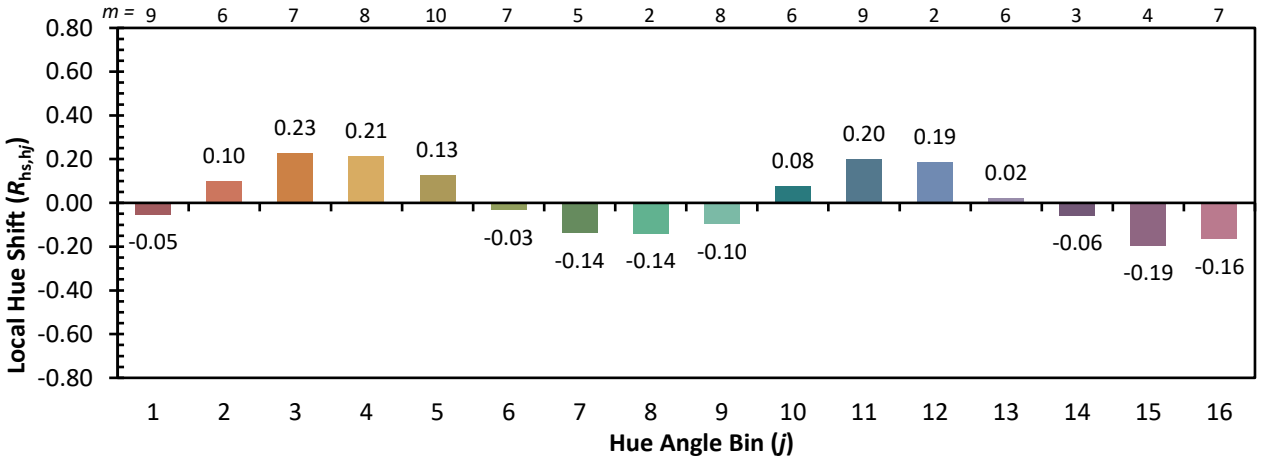


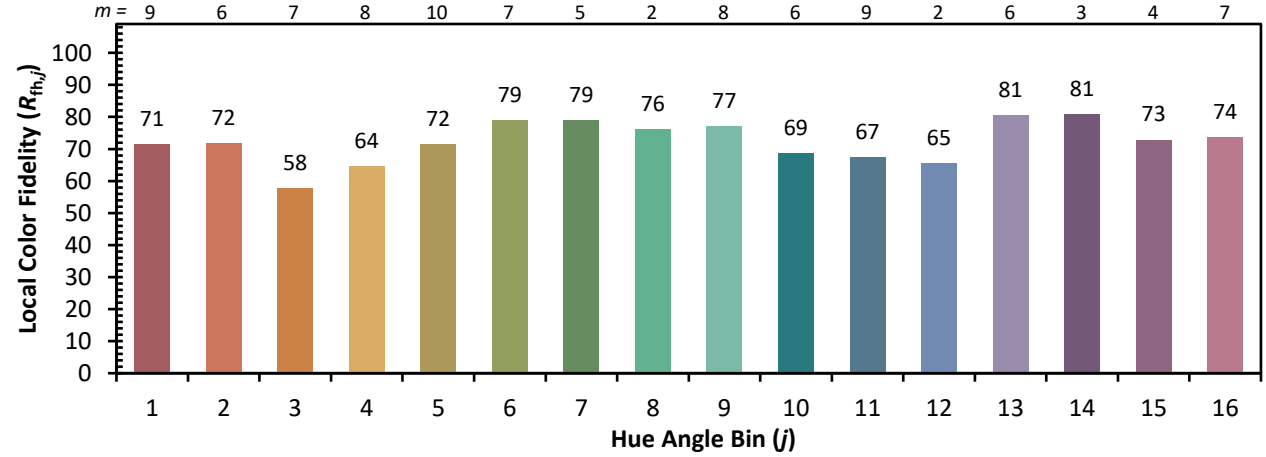
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Color Rendition by Hue-Angle Bin



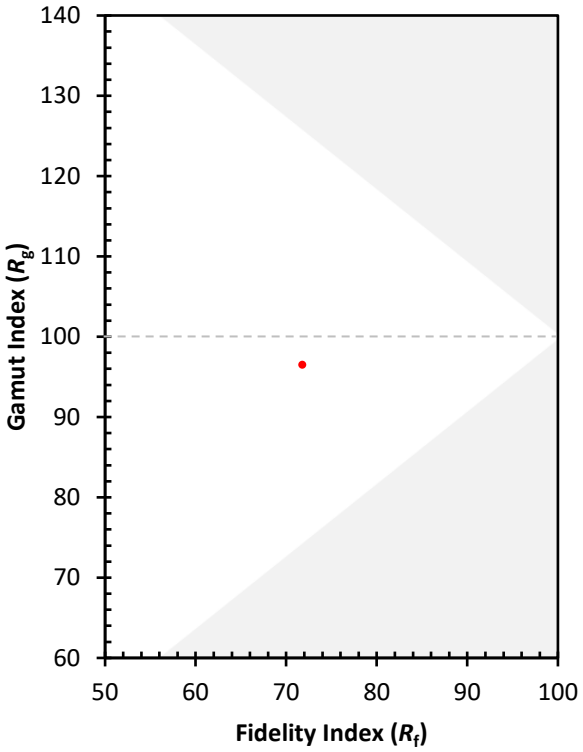


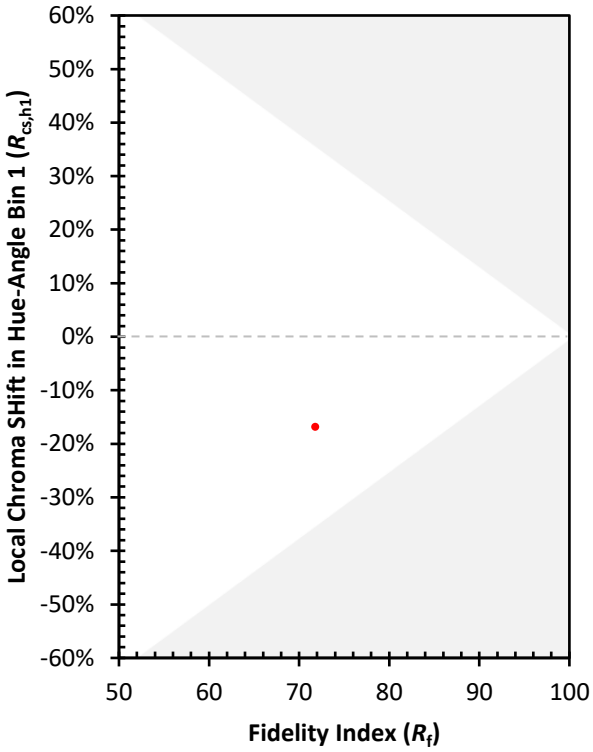


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Measure Comparisons





(END OF REPORT)