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: P1365285

Luminaire Tested: **GSS-SB4C-740-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:	P1365285
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-740-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23149.7 lumens
Efficiency:	N/A
Efficacy:	113.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

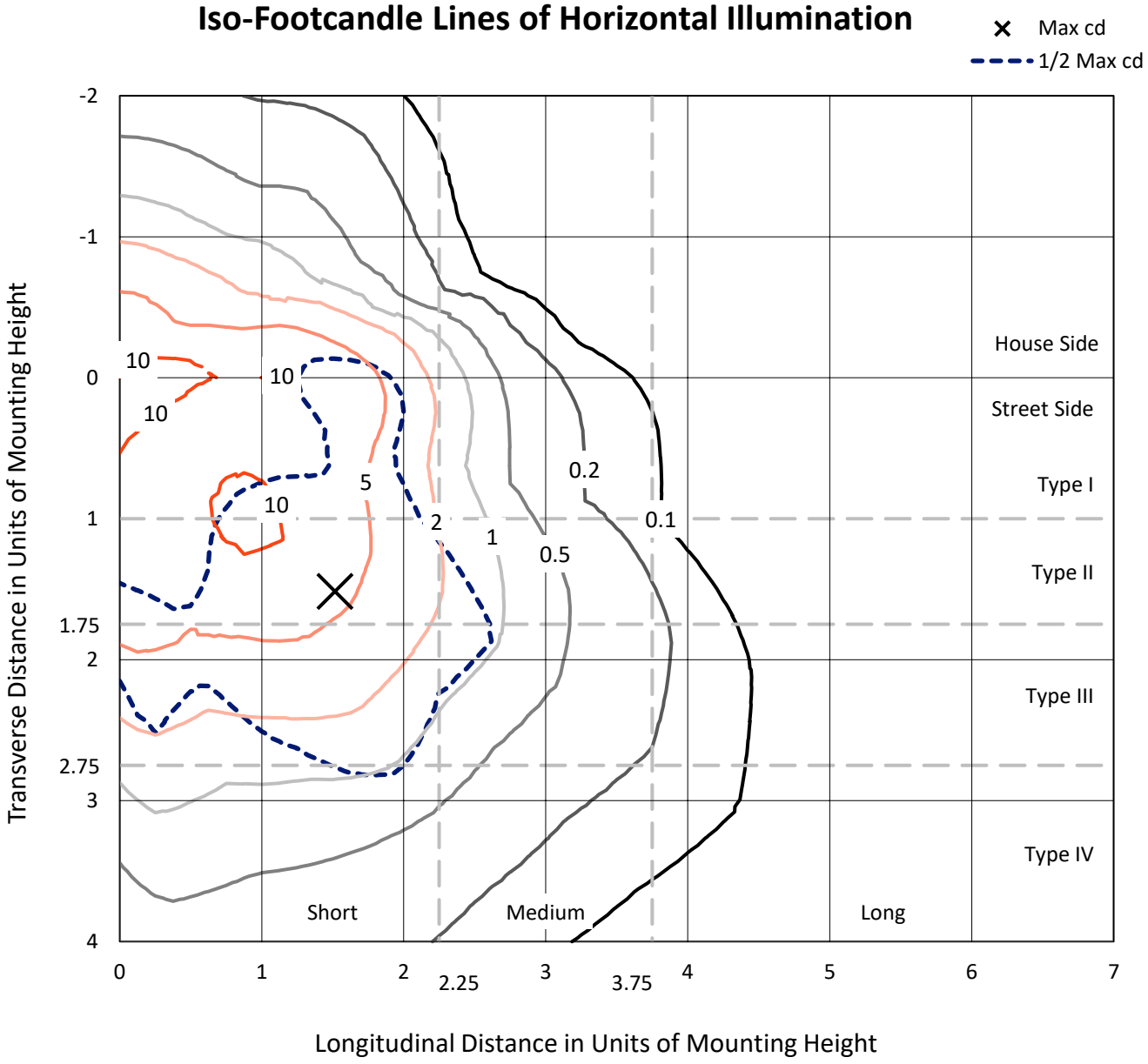
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



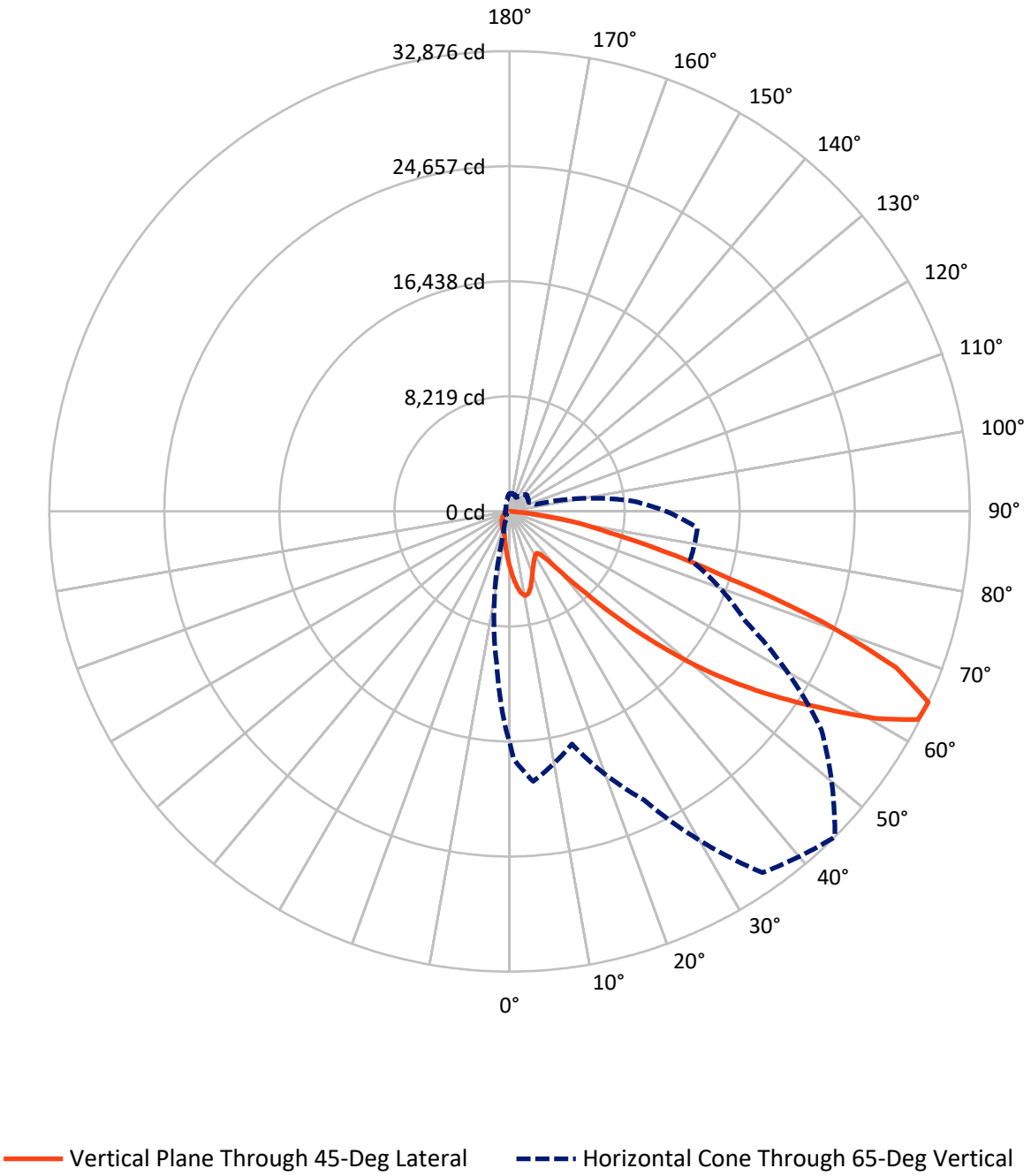
Based on 20 foot mounting height. Maximum calculated value = 14.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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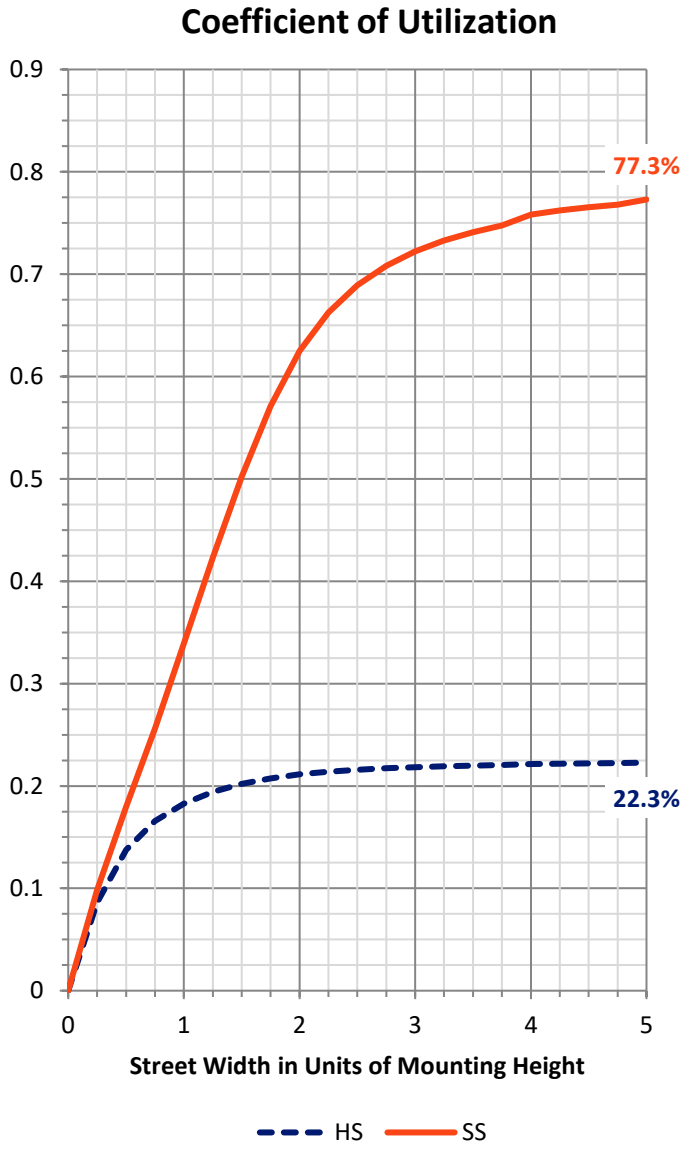
REPORT NUMBER: P1365285
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5207.4	0.0	5207.4
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	17942.2	0.0	17942.2
	% Fixture	77.5	0.0	77.5
Total	Lumens	23149.7	0.0	23149.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.4	1.7
10°-20°	1063.0	4.6
20°-30°	1522.6	6.6
30°-40°	1909.9	8.3
40°-50°	3137.4	13.6
50°-60°	5664.6	24.5
60°-70°	6288.7	27.2
70°-80°	2842.6	12.3
80°-90°	336.4	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°	23149.7	100.0
0°-180°	23149.7	100.0



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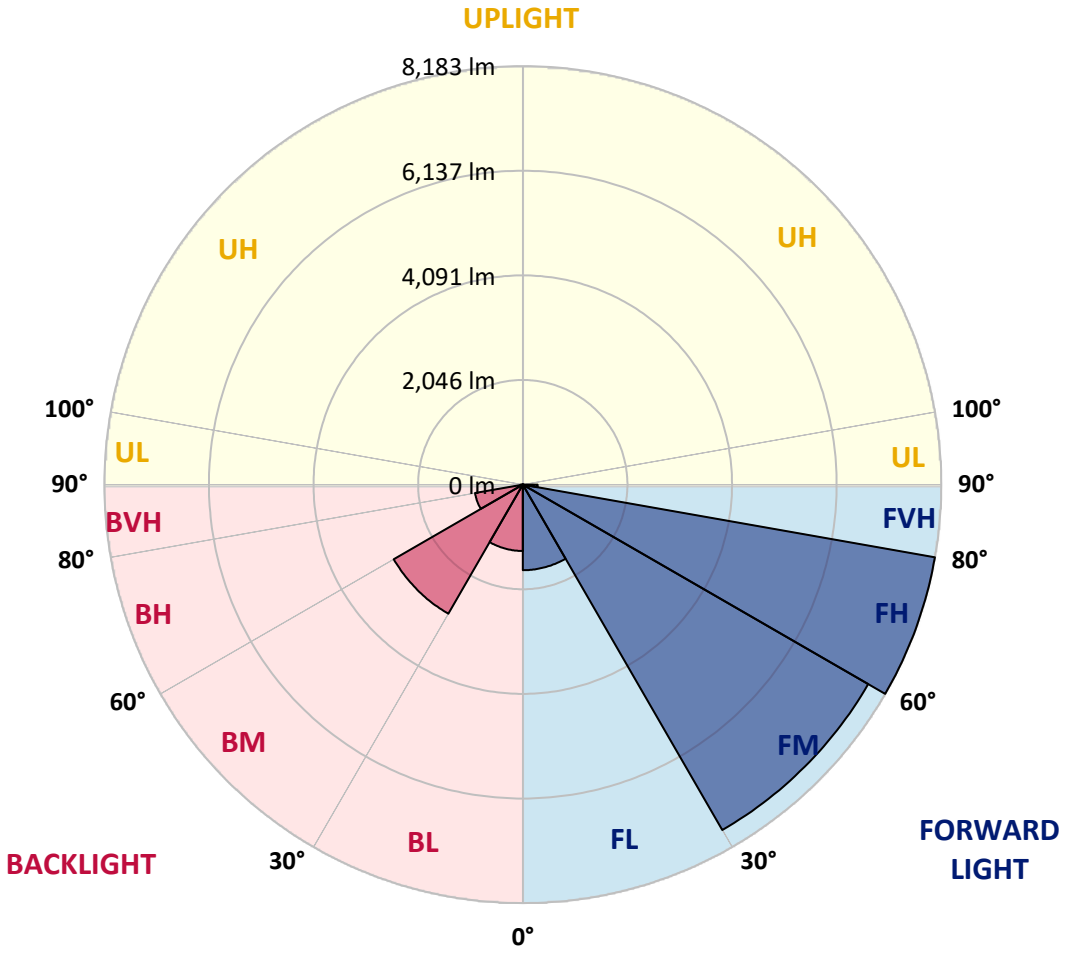
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1672.3	7.2			
FM	(30°-60°)	7798.3	33.7			
FH	(60°-80°)	8182.7	35.3			G4/12000
FVH	(80°-90°)	288.9	1.2			G3/500
BL	(0°-30°)	1297.7	5.6	B3/2500		
BM	(30°-60°)	2913.7	12.6	B3/5000		
BH	(60°-80°)	948.6	4.1	B2/1000		G2/1000
BVH	(80°-90°)	47.5	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°	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	*3999.4*	3999.4	3999.4	3999.4	3999.4
2.5°	4404.3	4461.1	4454.0	4532.2	4603.2	4652.9	*4695.6*	4681.3	4645.8	4574.8	4525.1
5°	4866.0	4908.7	4979.7	5128.9	5242.5	5342.0	*5327.8*	5342.0	5235.4	5128.9	5001.0
7.5°	5263.9	5313.6	5413.0	5626.1	5768.2	5889.0	*5874.8*	5832.1	5711.4	5533.8	5342.0
10°	5512.5	5548.0	5654.6	5896.1	6059.5	6158.9	*6123.4*	6052.4	5896.1	5718.5	5491.2
12.5°	5619.0	5661.7	5754.0	5945.8	6052.4	6031.1	*6016.8*	6002.6	5924.5	5789.5	5583.5
15°	5633.2	5661.7	5732.7	5817.9	5775.3	5654.6	*5626.1*	5732.7	5832.1	5803.7	5633.2
17.5°	5633.2	5675.9	5690.1	5604.8	5384.6	5164.4	*5136.0*	5313.6	5590.6	5810.8	5711.4
20°	5654.6	5675.9	5647.5	5370.4	4958.4	4716.9	*4667.1*	4887.4	5299.4	5732.7	5789.5
22.5°	5683.0	5704.3	5583.5	5093.4	4610.3	4354.6	*4326.2*	4489.5	4972.6	5619.0	5874.8
25°	5739.8	5725.6	5540.9	4851.8	4304.8	4063.3	*4020.7*	4233.8	4702.7	5505.4	6016.8
27.5°	5810.8	5746.9	5484.1	4652.9	4084.6	3828.9	*3800.5*	4006.5	4475.3	5363.3	6137.6
30°	5903.2	5839.3	5477.0	4496.6	3921.2	3665.5	*3630.0*	3857.3	4319.1	5263.9	6308.1
32.5°	6031.1	5938.7	5484.1	4375.9	3828.9	3587.4	*3566.1*	3807.6	4255.1	5207.0	6485.7
35°	6201.5	6066.6	5512.5	4333.3	3857.3	3693.9	*3743.7*	3928.4	4319.1	5249.6	6776.9
37.5°	6414.7	6286.8	5654.6	4425.6	4169.9	4283.5	*4411.4*	4482.4	4624.5	5448.5	7245.8
40°	6769.8	6592.2	5867.7	4724.0	5008.1	5540.9	*5789.5*	5761.1	5434.3	5903.2	7906.4
42.5°	7267.1	7103.7	6301.0	5484.1	6407.5	7537.0	*7956.2*	7714.6	6727.2	6627.8	8993.3
45°	8027.2	7757.3	6883.5	6613.6	8098.2	9952.3	*10897.1*	10066.0	8368.2	7771.5	10541.9
47.5°	9000.4	8730.5	7792.8	7743.0	9987.8	12935.9	*14058.2*	12424.4	9994.9	9270.3	12396.0
50°	10563.2	10264.9	9128.3	8893.8	12076.3	15912.3	*17411.2*	14775.7	11650.1	10861.6	14683.4
52.5°	12708.5	12509.6	11245.2	10080.2	13944.6	19194.2	*20487.1*	17233.6	12928.8	12680.1	17176.8
55°	15699.2	15507.4	14001.4	11401.5	15713.4	22483.2	*23527.5*	19471.3	14044.0	14811.2	19783.8
57.5°	19087.7	19407.3	17773.5	13163.2	17574.6	25132.9	*26589.2*	21502.9	15550.0	17659.8	22682.2
60°	21296.9	22305.7	22099.6	16239.1	20465.8	28429.1	*30013.2*	24223.7	17752.2	19755.4	22618.2
62.5°	19378.9	20387.7	21964.7	19805.1	23250.4	31412.6	*32748.1*	27086.5	19940.1	18086.0	18995.3
65°	*16445.1*	*17702.4*	*19364.7*	*17205.2*	*22760.3*	*31505.0*	*32876.0*	*27193.0*	*18604.6*	*13369.2*	*13468.6*
67.5°	14171.9	15287.2	17333.1	14640.7	20174.5	28691.9	*29771.7*	24259.2	15379.5	8865.4	8787.3
70°	11827.7	12850.6	15436.4	13035.3	17674.0	24728.0	*23797.4*	20394.8	12999.8	5889.0	4880.2
72.5°	10080.2	11025.0	13717.3	11714.0	14022.7	20039.6	*16402.5*	16921.0	10577.4	3743.7	3324.5
75°	8339.8	9206.4	11664.3	10605.8	11600.4	12502.5	*11337.5*	12019.5	8716.3	3175.4	2564.4
77.5°	5853.5	6393.3	8183.5	8439.2	9028.8	7402.1	*7189.0*	8417.9	6201.5	1577.0	1079.8
80°	2884.1	3218.0	4269.3	5022.3	4269.3	4198.3	*4787.9*	5604.8	3218.0	966.1	596.7
82.5°	1292.9	1534.4	1967.7	3040.4	1541.5	1676.5	*2116.9*	2983.6	1463.4	575.4	255.7
85°	206.0	227.3	383.6	511.5	419.1	646.4	*618.0*	582.5	312.6	156.3	71.0
87.5°	7.1	7.1	7.1	14.2	21.3	28.4	*35.5*	35.5	35.5	35.5	35.5
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: GSS-SB4C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4
2.5°	4510.9	4489.5	4383.0	4276.4	4184.1	4091.7	3999.4	3871.5	3772.1	3686.8	3651.3
5°	4937.1	4823.4	4660.0	4482.4	4326.2	4148.6	3978.1	3786.3	3630.0	3466.6	3381.4
7.5°	5228.3	5114.7	4844.7	4574.8	4383.0	4191.2	4013.6	3800.5	3594.5	3360.1	3232.2
10°	5363.3	5235.4	4944.2	4631.6	4397.2	4205.4	4042.0	3864.4	3658.4	3367.2	3196.7
12.5°	5455.7	5299.4	4965.5	4645.8	4411.4	4212.5	4056.2	3928.4	3807.6	3523.4	3324.5
15°	5512.5	5370.4	5022.3	4652.9	4390.1	4155.7	4006.5	3963.9	3985.2	3850.2	3608.7
17.5°	5597.7	5462.8	5093.4	4695.6	4354.6	4034.9	3871.5	3963.9	4155.7	4198.3	4006.5
20°	5711.4	5569.3	5185.7	4731.1	4248.0	3807.6	3651.3	3885.7	4205.4	4425.6	4319.1
22.5°	5839.3	5725.6	5292.3	4766.6	4091.7	3509.2	3438.2	3722.3	4063.3	4347.5	4354.6
25°	5995.5	5889.0	5441.4	4802.1	3878.6	3253.5	3267.7	3509.2	3779.2	4070.4	4120.2
27.5°	6208.6	6109.2	5626.1	4844.7	3658.4	3047.5	3118.5	3296.1	3480.8	3658.4	3729.4
30°	6443.1	6364.9	5846.4	4930.0	3452.4	2926.7	2969.4	3090.1	3239.3	3345.8	3381.4
32.5°	6762.7	6634.9	6052.4	4922.9	3296.1	2869.9	2827.3	2862.8	2983.6	3090.1	3097.2
35°	7160.5	7061.1	6265.5	4795.0	3154.0	2841.5	2692.3	2671.0	2742.0	2848.6	2841.5
37.5°	7743.0	7657.8	6613.6	4596.1	2976.5	2770.4	2550.2	2479.2	2528.9	2600.0	2621.3
40°	8616.8	8396.6	7011.4	4375.9	2798.9	2642.6	2379.7	2280.3	2315.8	2394.0	2408.2
42.5°	9803.1	9384.0	7544.1	4077.5	2628.4	2450.8	2209.3	2102.7	2124.0	2195.0	2209.3
45°	11323.3	10691.1	8275.8	3765.0	2493.4	2251.9	2031.7	1918.0	1939.3	2017.5	2053.0
47.5°	13099.2	12232.6	9043.0	3431.1	2415.3	2095.6	1854.1	1768.8	1818.6	1896.7	1910.9
50°	15194.8	14321.1	9533.2	3161.2	2365.5	1974.8	1690.7	1655.2	1719.1	1783.0	1797.2
52.5°	17482.2	16239.1	9220.6	2940.9	2322.9	1932.2	1577.0	1591.2	1641.0	1704.9	1726.2
55°	19705.7	16942.4	8183.5	2656.8	2273.2	1960.6	1491.8	1527.3	1591.2	1641.0	1655.2
57.5°	21154.9	16352.7	6592.2	2358.4	2216.4	1981.9	1449.2	1477.6	1548.6	1605.4	1612.5
60°	19890.4	15059.9	4937.1	2102.7	2095.6	1946.4	1434.9	1392.3	1491.8	1541.5	1548.6
62.5°	16295.9	12317.8	3154.0	1861.2	1868.3	1868.3	1427.8	1250.3	1378.1	1420.7	1413.6
65°	*11195.4*	*8709.2*	*1953.5*	*1520.2*	*1591.2*	*1697.8*	*1385.2*	*1101.1*	*1250.3*	*1292.9*	*1278.7*
67.5°	7359.4	5533.8	1207.6	1172.1	1307.1	1470.5	1300.0	987.4	1122.4	1150.8	1108.2
70°	3992.3	2607.1	795.6	767.2	1022.9	1157.9	1101.1	888.0	1001.6	1030.0	987.4
72.5°	2635.5	1498.9	561.2	561.2	802.7	809.8	902.2	795.6	888.0	916.4	873.8
75°	1981.9	966.1	390.7	433.3	511.5	632.2	646.4	667.7	753.0	788.5	745.9
77.5°	909.3	355.2	234.4	319.7	355.2	483.1	412.0	497.3	561.2	575.4	539.9
80°	525.7	198.9	156.3	206.0	227.3	397.8	241.5	298.4	397.8	419.1	376.5
82.5°	220.2	99.5	106.6	127.9	135.0	220.2	170.5	191.8	262.8	255.7	227.3
85°	63.9	63.9	71.0	78.1	78.1	127.9	120.8	113.7	120.8	120.8	99.5
87.5°	42.6	42.6	42.6	49.7	49.7	56.8	63.9	71.0	71.0	71.0	63.9
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°	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4
2.5°	3601.6	3537.6	3445.3	3431.1	3381.4	3345.8	3381.4	3416.9	3480.8	3487.9	3516.3
5°	3303.2	3154.0	3040.4	2912.5	2848.6	2841.5	2827.3	2869.9	2962.2	3019.1	3061.7
7.5°	3104.3	2834.4	2635.5	2457.9	2394.0	2344.2	2386.8	2379.7	2500.5	2550.2	2592.9
10°	2997.8	2621.3	2322.9	2102.7	2017.5	1967.7	1960.6	1974.8	2045.9	2095.6	2145.3
12.5°	3068.8	2536.0	2095.6	1839.9	1747.5	1690.7	1641.0	1641.0	1655.2	1719.1	1740.4
15°	3303.2	2585.8	1989.0	1712.0	1591.2	1498.9	1434.9	1385.2	1392.3	1399.4	1420.7
17.5°	3644.2	2713.6	1953.5	1633.9	1506.0	1392.3	1328.4	1271.6	1257.4	1257.4	1250.3
20°	3971.0	2813.1	1925.1	1569.9	1406.5	1307.1	1250.3	1200.5	1179.2	1179.2	1179.2
22.5°	4105.9	2898.3	1889.6	1491.8	1307.1	1214.7	1165.0	1129.5	1122.4	1122.4	1115.3
25°	3999.4	2869.9	1847.0	1413.6	1214.7	1143.7	1101.1	1065.6	1058.5	1065.6	1058.5
27.5°	3665.5	2770.4	1790.1	1349.7	1143.7	1079.8	1044.2	1008.7	1001.6	1008.7	1008.7
30°	3310.3	2600.0	1697.8	1300.0	1086.9	1015.8	980.3	944.8	944.8	951.9	959.0
32.5°	3026.2	2429.5	1591.2	1236.0	1022.9	959.0	923.5	888.0	888.0	902.2	902.2
35°	2784.7	2294.5	1484.7	1172.1	966.1	895.1	866.7	838.2	831.1	845.3	852.4
37.5°	2592.9	2173.7	1371.0	1108.2	909.3	845.3	816.9	781.4	774.3	788.5	802.7
40°	2394.0	2038.8	1271.6	1030.0	852.4	788.5	760.1	717.5	717.5	731.7	745.9
42.5°	2202.2	1918.0	1207.6	959.0	795.6	724.6	696.2	660.6	660.6	674.9	689.1
45°	2045.9	1804.3	1172.1	888.0	731.7	667.7	632.2	603.8	610.9	625.1	639.3
47.5°	1896.7	1683.6	1179.2	852.4	689.1	603.8	568.3	547.0	561.2	582.5	596.7
50°	1783.0	1598.3	1186.3	795.6	632.2	554.1	518.6	504.4	525.7	547.0	561.2
52.5°	1712.0	1513.1	1143.7	724.6	589.6	504.4	483.1	483.1	504.4	518.6	532.8
55°	1641.0	1371.0	1051.3	646.4	547.0	468.8	454.6	454.6	475.9	490.2	497.3
57.5°	1584.1	1221.8	944.8	582.5	497.3	433.3	433.3	433.3	440.4	447.5	461.7
60°	1477.6	1065.6	809.8	532.8	447.5	404.9	397.8	397.8	390.7	397.8	419.1
62.5°	1292.9	895.1	689.1	475.9	404.9	369.4	362.3	341.0	319.7	326.8	341.0
65°	*1094.0*	*710.4*	*575.4*	*412.0*	*348.1*	*326.8*	*319.7*	*284.1*	*255.7*	*262.8*	*284.1*
67.5°	873.8	532.8	483.1	355.2	298.4	277.0	277.0	255.7	234.4	234.4	248.6
70°	682.0	447.5	362.3	284.1	234.4	234.4	248.6	227.3	198.9	198.9	220.2
72.5°	554.1	362.3	291.3	220.2	184.7	198.9	206.0	184.7	163.4	163.4	177.6
75°	433.3	284.1	227.3	163.4	142.1	149.2	163.4	149.2	127.9	135.0	142.1
77.5°	298.4	191.8	149.2	120.8	106.6	113.7	113.7	106.6	99.5	99.5	106.6
80°	198.9	127.9	99.5	85.2	78.1	78.1	71.0	71.0	78.1	78.1	85.2
82.5°	142.1	92.3	78.1	63.9	49.7	49.7	56.8	56.8	63.9	63.9	71.0
85°	85.2	63.9	56.8	42.6	35.5	42.6	42.6	49.7	56.8	56.8	63.9
87.5°	63.9	49.7	42.6	35.5	28.4	28.4	35.5	35.5	42.6	49.7	49.7
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: P1365285
CATALOG NUMBER: GSS-SB4C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4	3999.4
2.5°	3587.4	3672.6	3793.4	3899.9	4027.8	4155.7	4276.4	4390.1	4397.2	4404.3
5°	3196.7	3367.2	3566.1	3807.6	4063.3	4312.0	4574.8	4787.9	4837.6	4866.0
7.5°	2763.3	3012.0	3317.4	3658.4	4042.0	4425.6	4795.0	5114.7	5235.4	5263.9
10°	2308.7	2614.2	2983.6	3424.0	3942.6	4454.0	4951.3	5342.0	5484.1	5512.5
12.5°	1903.8	2152.4	2578.6	3111.4	3736.6	4411.4	5008.1	5441.4	5583.5	5619.0
15°	1555.7	1790.1	2187.9	2749.1	3452.4	4262.2	4965.5	5462.8	5604.8	5633.2
17.5°	1285.8	1434.9	1797.2	2408.2	3196.7	4070.4	4908.7	5477.0	5611.9	5633.2
20°	1179.2	1207.6	1399.4	1996.1	2926.7	3928.4	4873.1	5498.3	5633.2	5654.6
22.5°	1129.5	1129.5	1172.1	1520.2	2550.2	3779.2	4858.9	5562.2	5661.7	5683.0
25°	1079.8	1079.8	1094.0	1193.4	2102.7	3594.5	4887.4	5675.9	5739.8	5739.8
27.5°	1030.0	1030.0	1044.2	1065.6	1562.8	3289.0	4894.5	5803.7	5832.1	5810.8
30°	980.3	994.5	994.5	1008.7	1150.8	2905.4	4851.8	5945.8	5945.8	5903.2
32.5°	930.6	937.7	951.9	959.0	1001.6	2408.2	4780.8	6123.4	6087.9	6031.1
35°	888.0	895.1	895.1	909.3	951.9	1925.1	4702.7	6364.9	6265.5	6201.5
37.5°	831.1	838.2	845.3	859.5	902.2	1527.3	4589.0	6570.9	6499.9	6414.7
40°	781.4	788.5	795.6	809.8	852.4	1314.2	4446.9	6883.5	6869.3	6769.8
42.5°	724.6	738.8	745.9	753.0	809.8	1200.5	4347.5	7387.9	7387.9	7267.1
45°	674.9	689.1	689.1	703.3	781.4	1101.1	4567.7	8084.0	8140.9	8027.2
47.5°	632.2	639.3	639.3	646.4	738.8	1015.8	5157.3	9149.6	9078.5	9000.4
50°	589.6	603.8	589.6	596.7	703.3	1065.6	6130.5	10513.5	10698.2	10563.2
52.5°	561.2	568.3	539.9	539.9	653.5	1129.5	6926.1	12253.9	12871.9	12708.5
55°	525.7	532.8	497.3	497.3	575.4	980.3	6975.8	14235.8	15592.6	15699.2
57.5°	490.2	490.2	461.7	454.6	497.3	795.6	6187.3	15770.2	18846.1	19087.7
60°	447.5	440.4	426.2	412.0	454.6	731.7	4716.9	15564.2	20458.7	21296.9
62.5°	383.6	397.8	390.7	362.3	412.0	682.0	3075.9	13468.6	18640.1	19378.9
65°	*319.7*	*341.0*	*341.0*	*319.7*	*454.6*	*596.7*	*1619.6*	*10783.4*	*15557.1*	*16445.1*
67.5°	284.1	298.4	291.3	277.0	404.9	376.5	781.4	8268.7	13319.5	14171.9
70°	248.6	262.8	241.5	227.3	326.8	269.9	461.7	5533.8	10996.5	11827.7
72.5°	206.0	220.2	198.9	177.6	241.5	206.0	305.5	3601.6	9156.7	10080.2
75°	170.5	177.6	163.4	142.1	177.6	163.4	213.1	2351.3	7657.8	8339.8
77.5°	120.8	135.0	127.9	106.6	127.9	113.7	149.2	1342.6	5342.0	5853.5
80°	92.3	92.3	92.3	85.2	78.1	78.1	99.5	603.8	2592.9	2884.1
82.5°	78.1	78.1	71.0	63.9	56.8	49.7	56.8	177.6	1221.8	1292.9
85°	71.0	56.8	49.7	42.6	35.5	21.3	21.3	49.7	248.6	206.0
87.5°	42.6	35.5	28.4	14.2	7.1	7.1	0.0	7.1	7.1	7.1
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

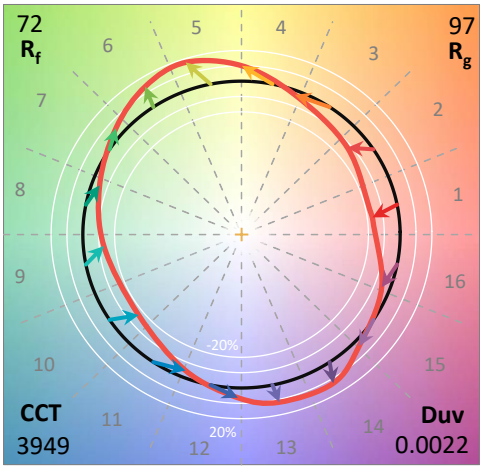
Test Information

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

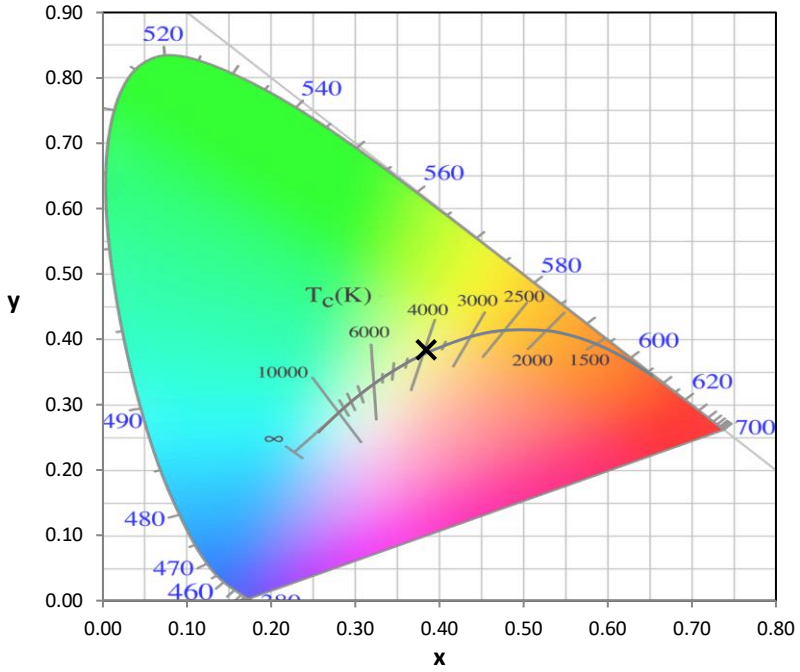
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

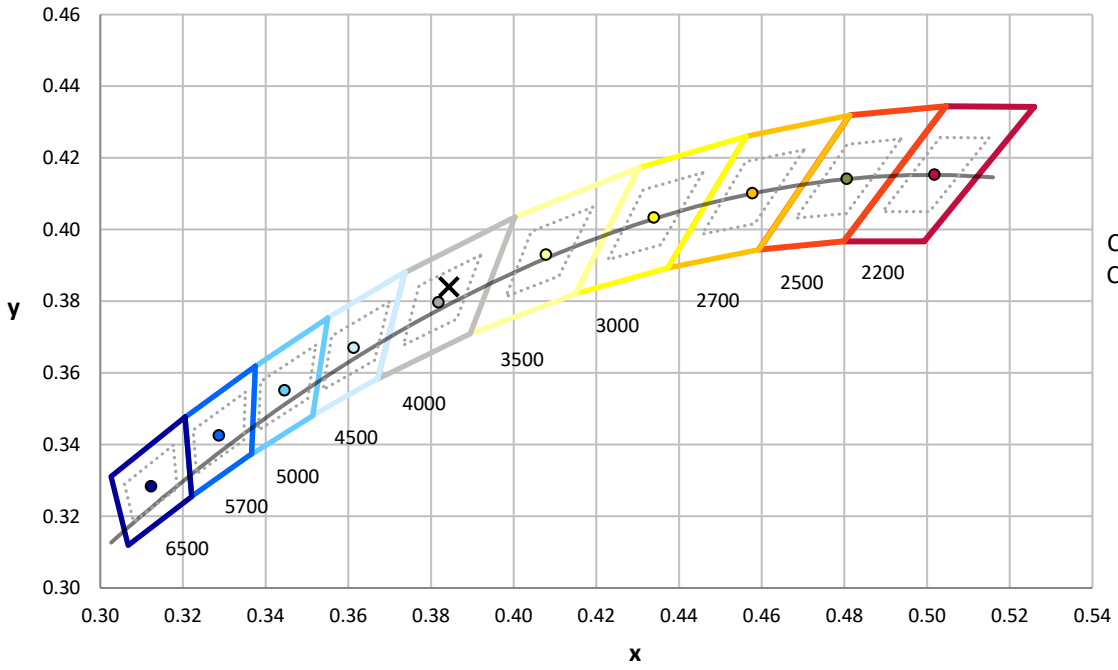
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

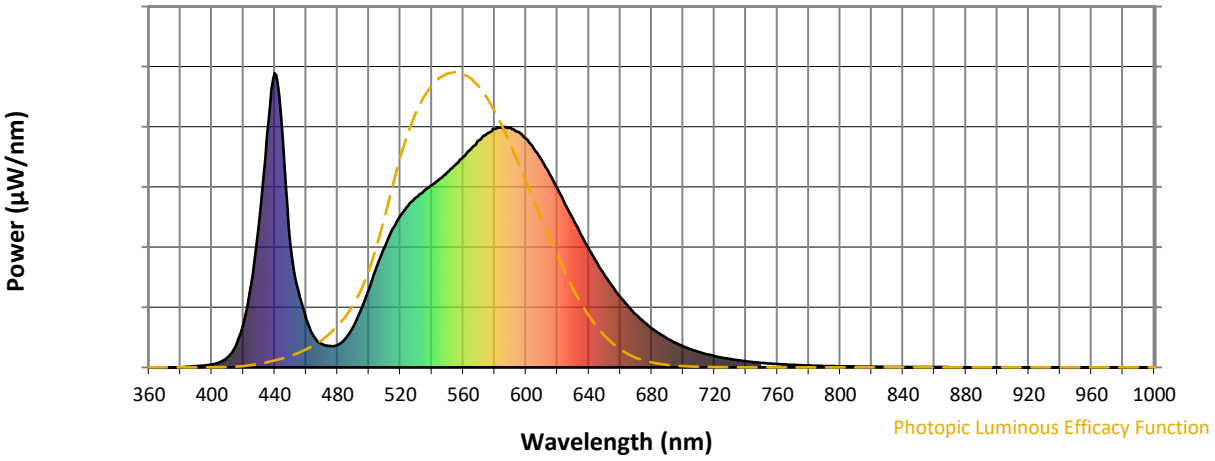


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

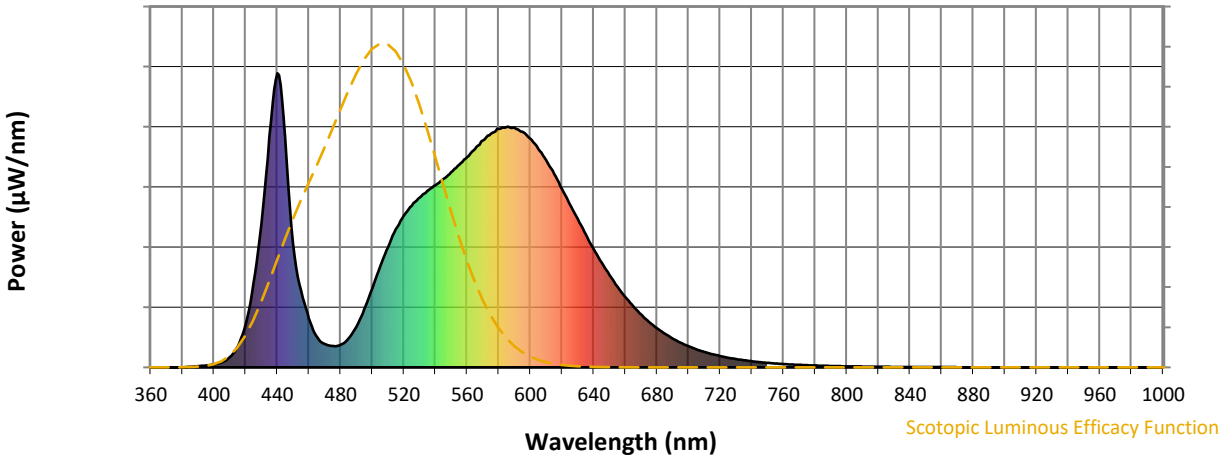


Photopic Lumens: NR

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

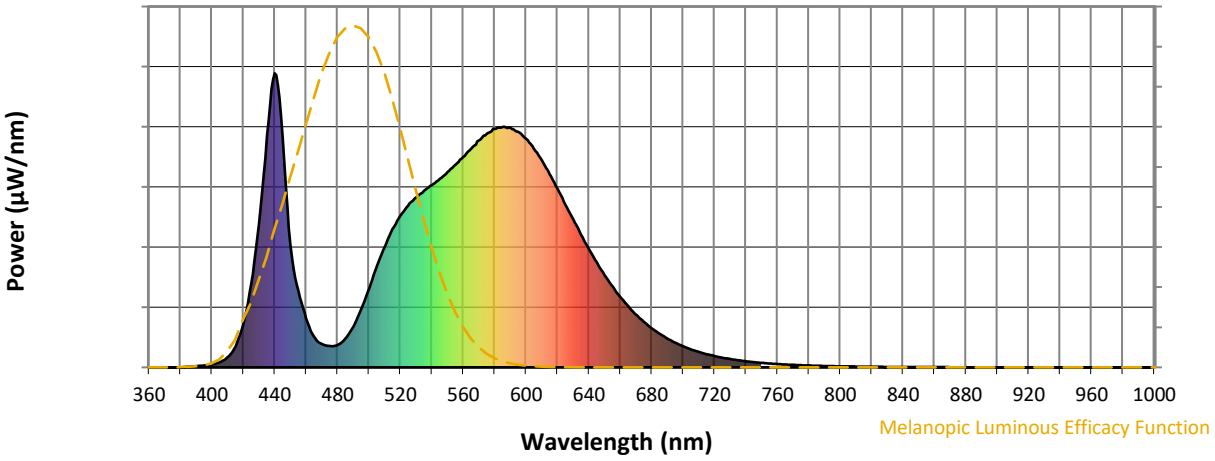


Scotopic Lumens: NR **S/P: 1.47**

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			

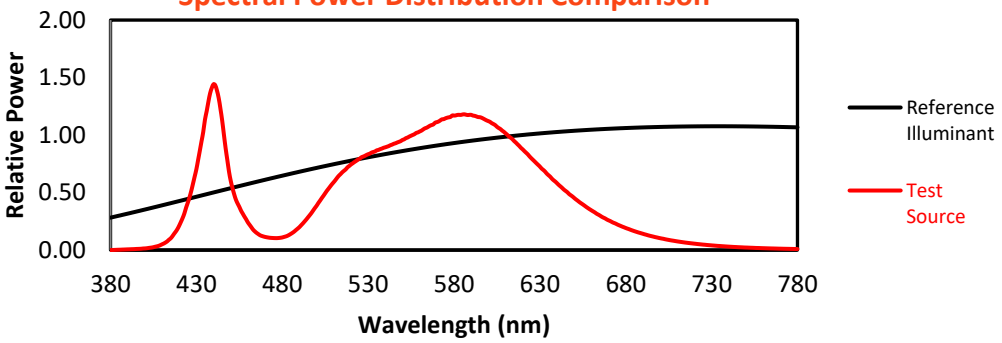
REPORT NUMBER: SP1-2407-184-1

TM-30-18

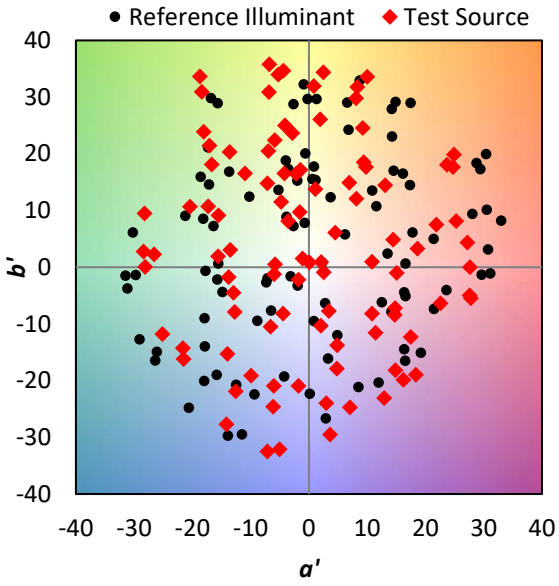
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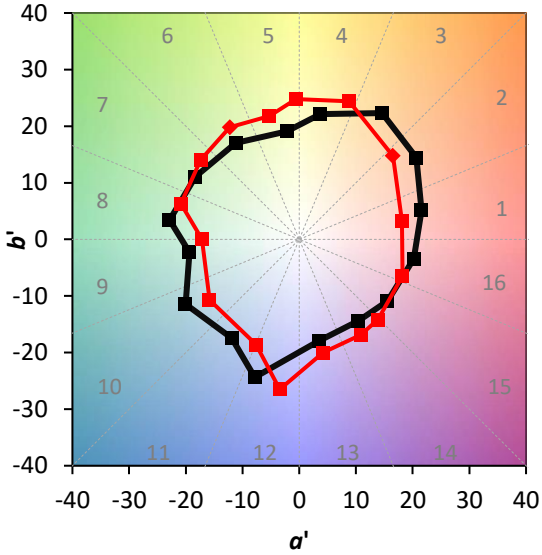
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

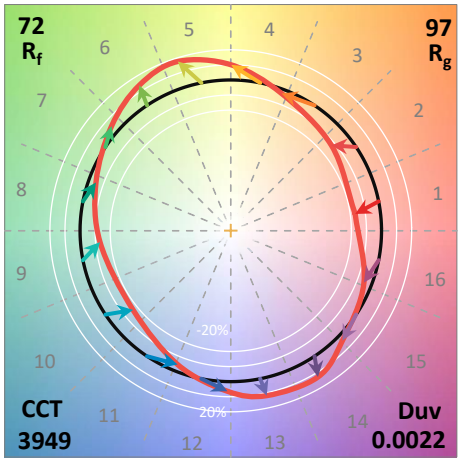
Spectral Power Distribution Comparison

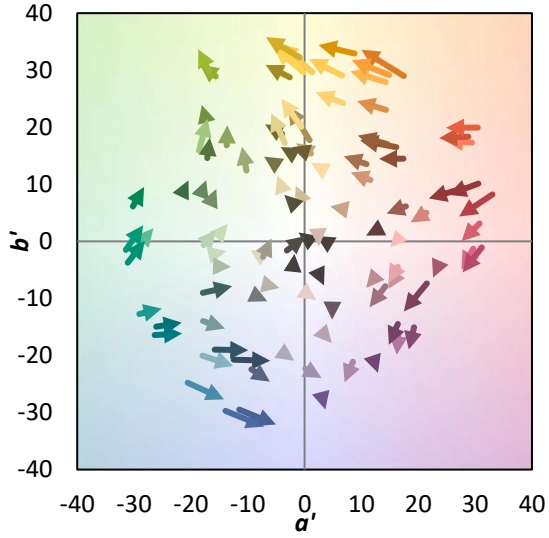


Color Vector Graphics







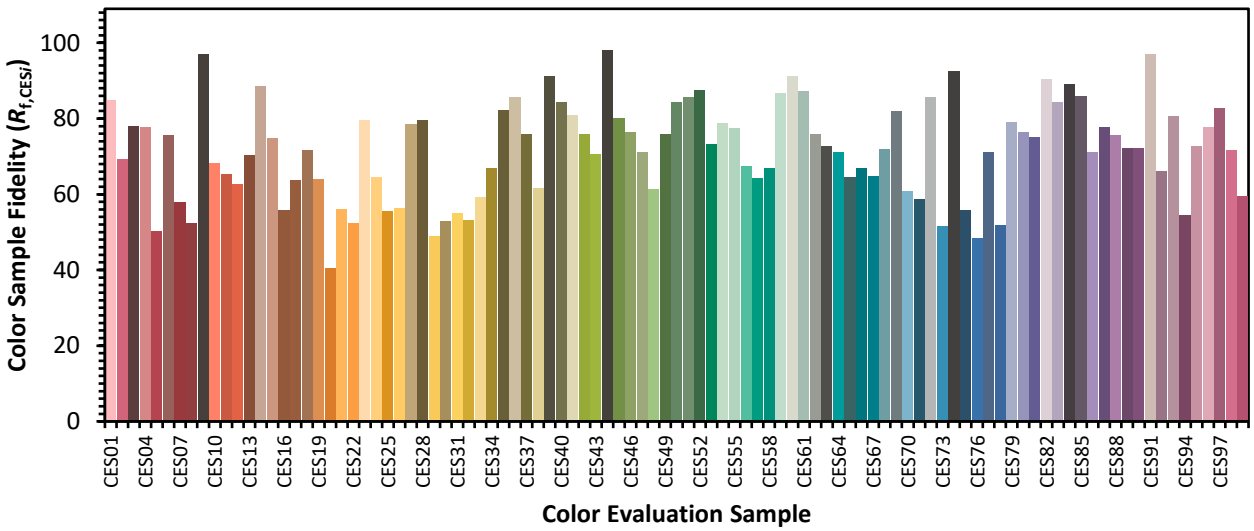


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

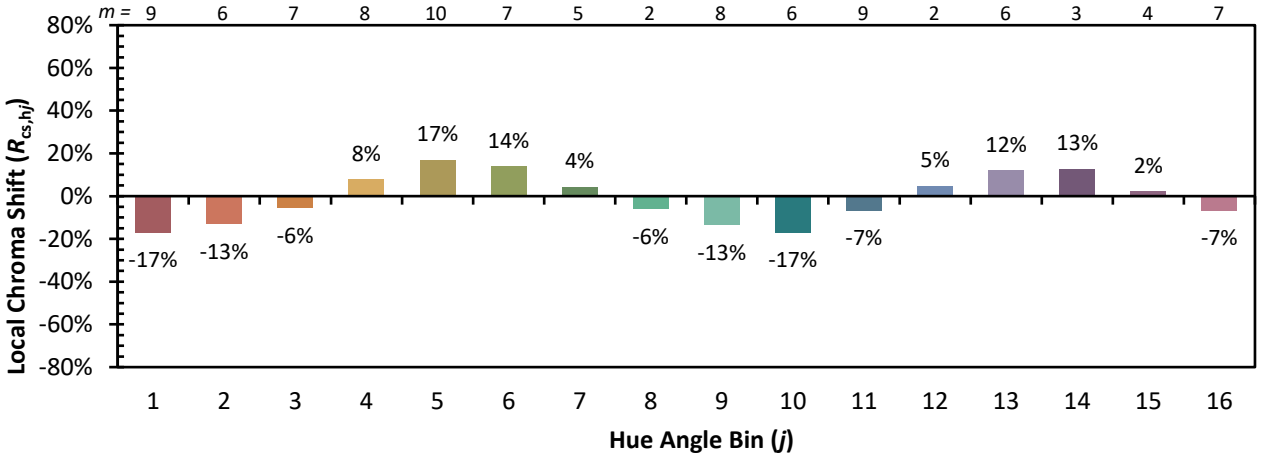
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57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

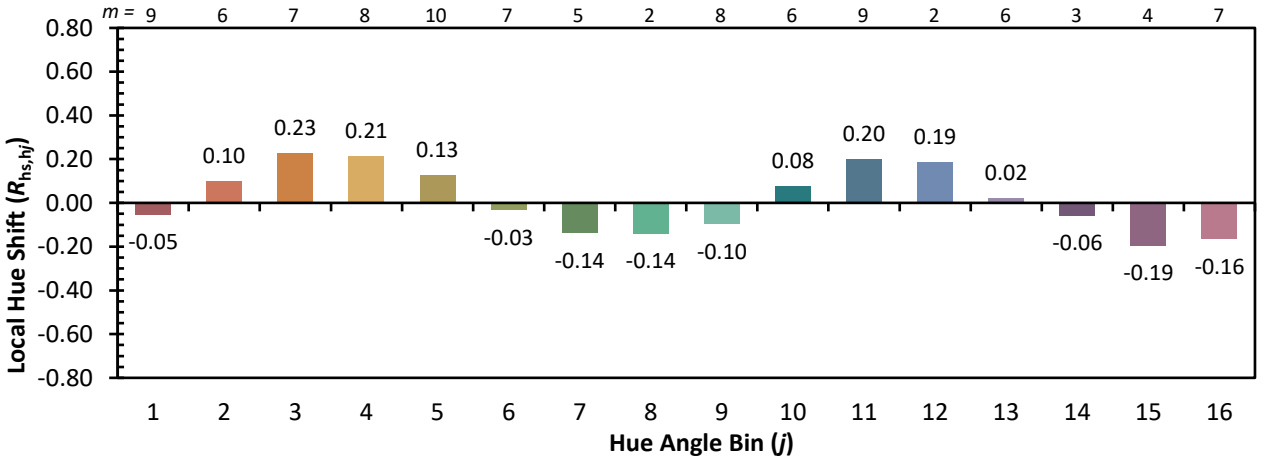


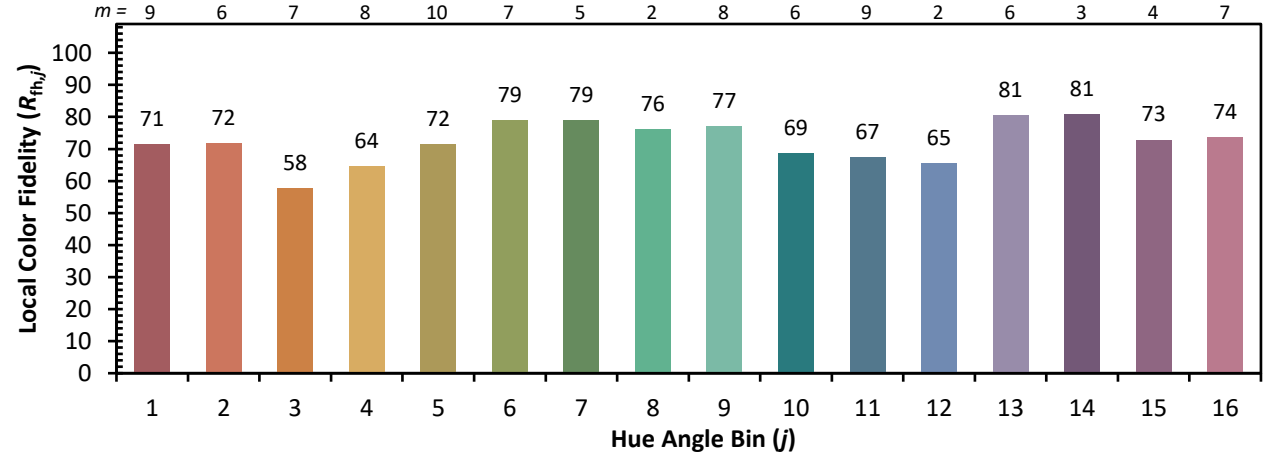
REPORT NUMBER: SP1-2407-184-1

TM-30-18

Color Rendition by Hue-Angle Bin



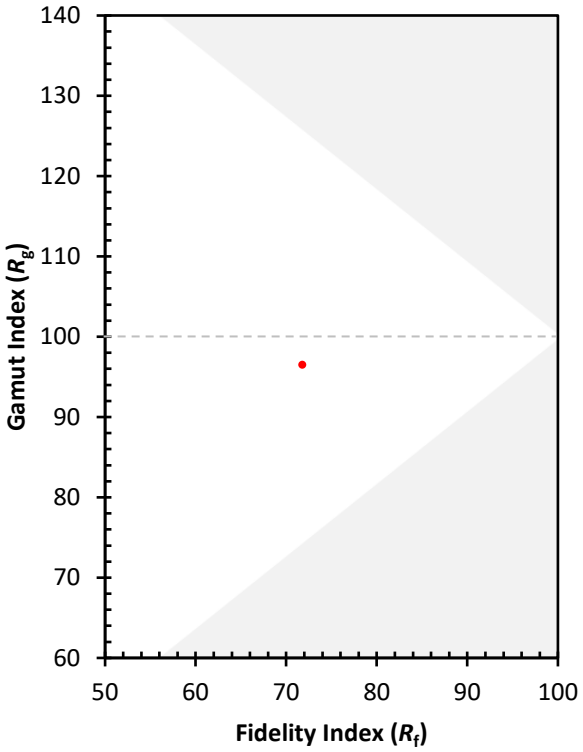


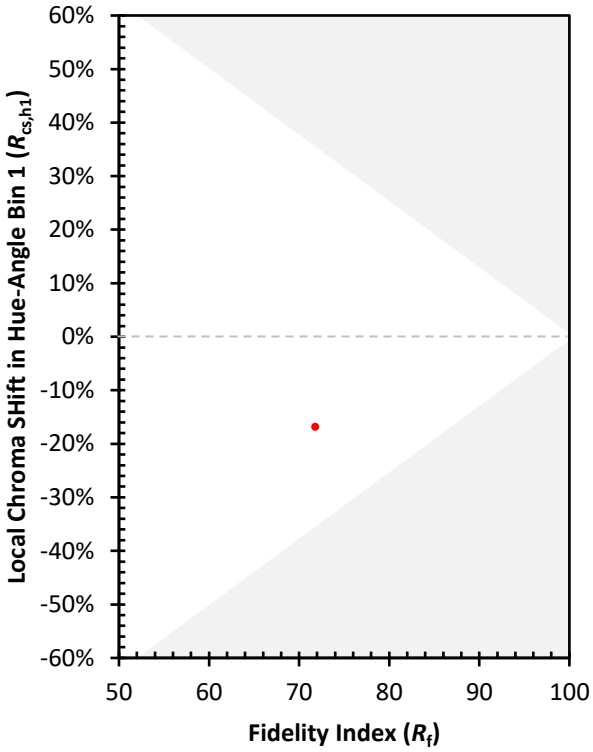


REPORT NUMBER: SP1-2407-184-1

TM-30-18

Measure Comparisons





(END OF REPORT)