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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501576

Luminaire Tested: GSS-SB3D-840-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501576
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3D-840-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27264.3 lumens
Efficiency:	N/A
Efficacy:	124.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

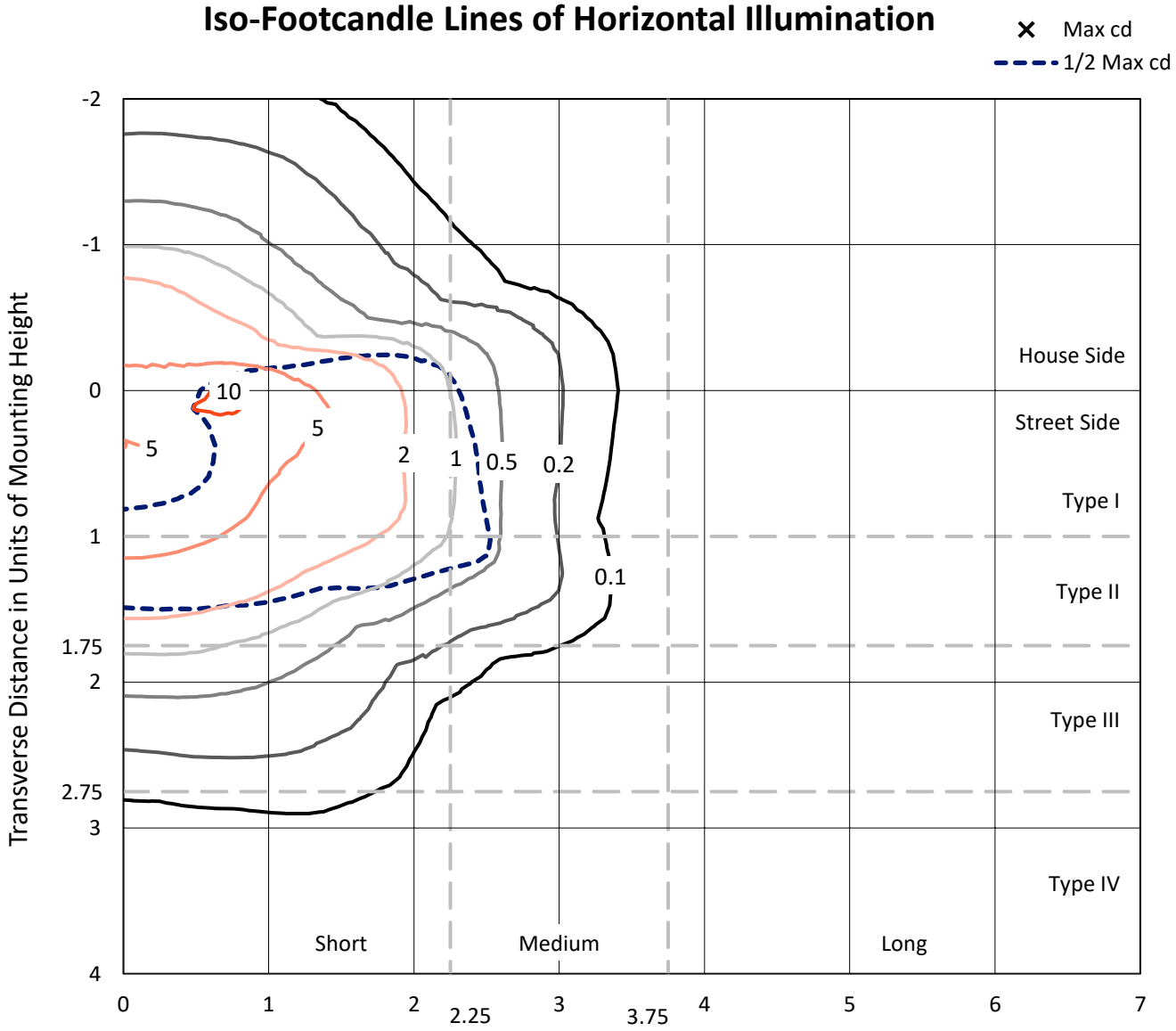
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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CATALOG NUMBER: GSS-SB3D-840-U-T2LG

Iso-Footcandle Lines of Horizontal Illumination



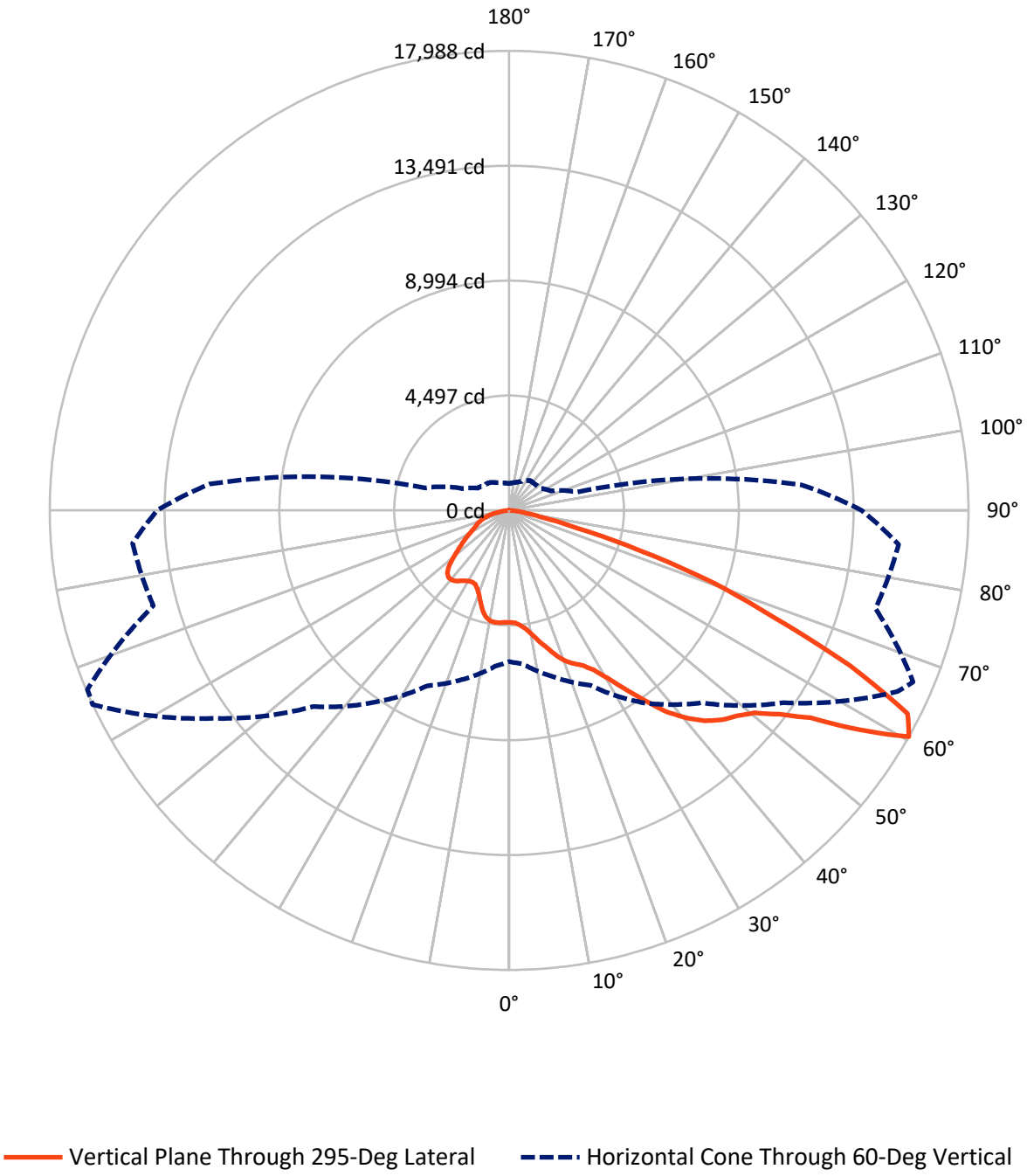
Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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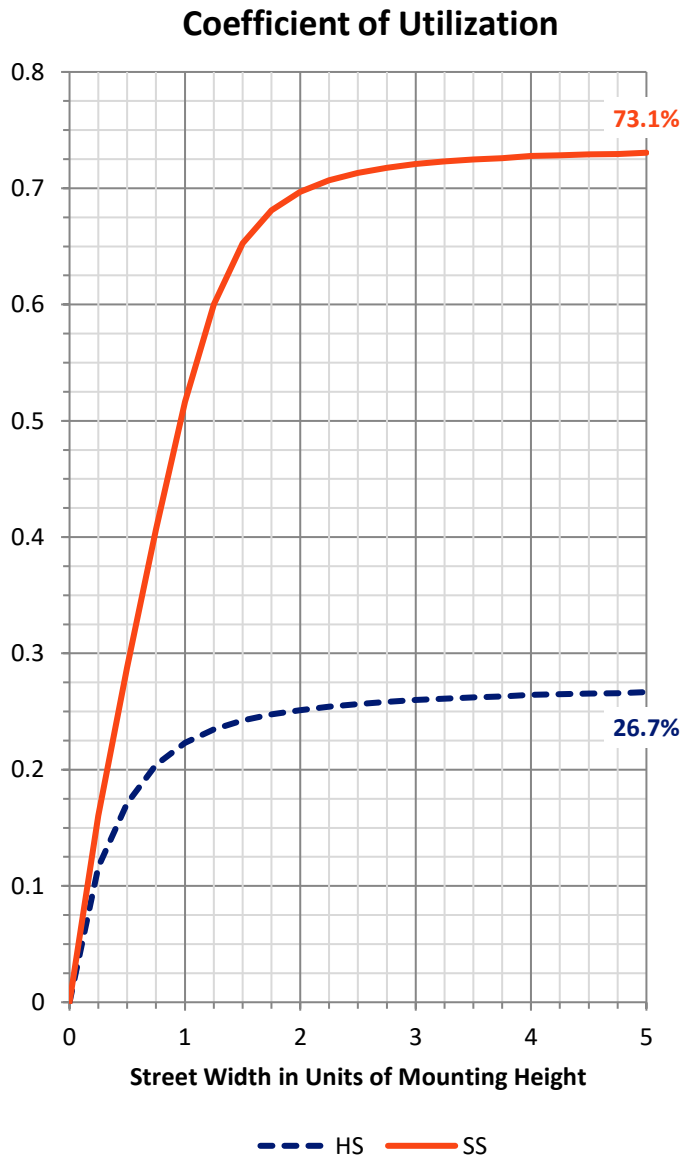
REPORT NUMBER: P1501576
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7331.7	0.0	7331.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	19932.6	0.0	19932.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	27264.3	0.0	27264.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.5	1.5
10°-20°	1185.7	4.3
20°-30°	2245.9	8.2
30°-40°	3959.3	14.5
40°-50°	5855.4	21.5
50°-60°	6875.9	25.2
60°-70°	4981.9	18.3
70°-80°	1536.4	5.6
80°-90°	211.5	0.8
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°	27264.3	100.0
0°-180°	27264.3	100.0



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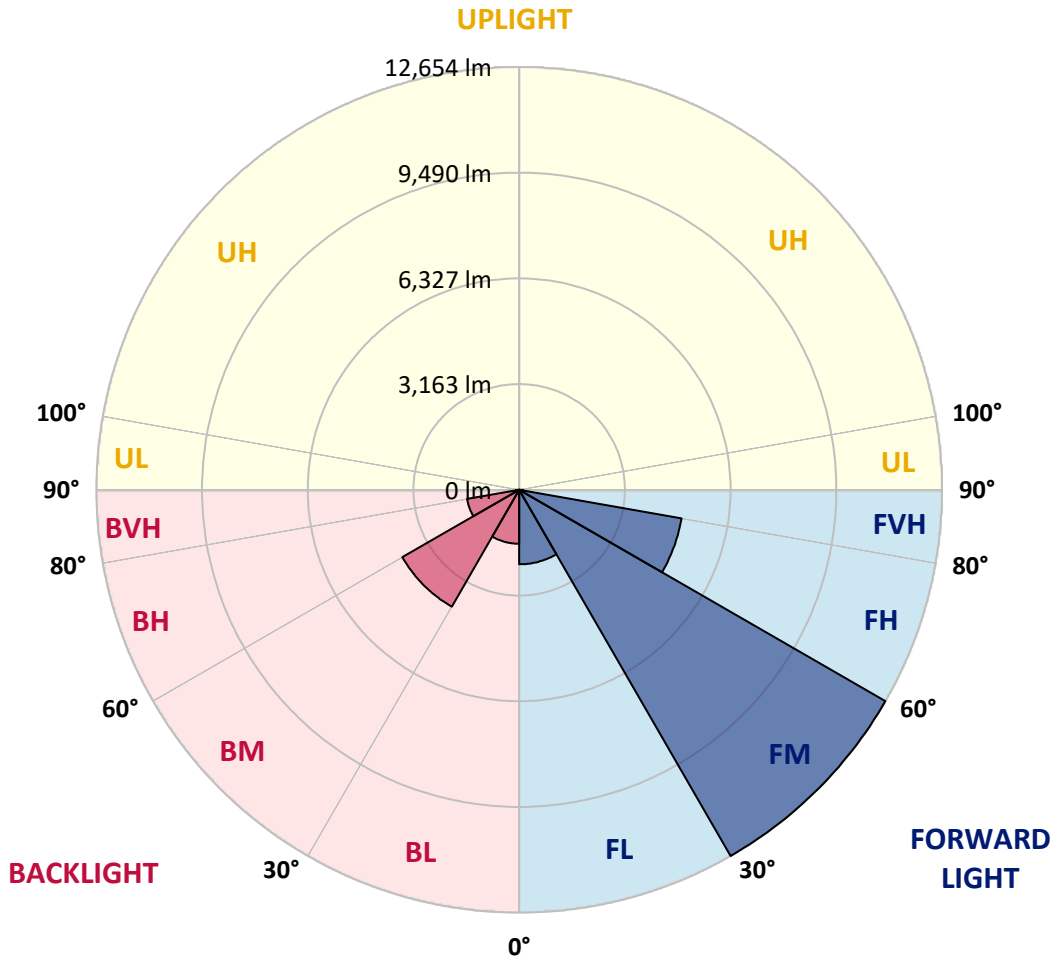
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2229.3	8.2			
FM	(30°-60°)	12653.6	46.4			
FH	(60°-80°)	4935.7	18.1			G2/5000
FVH	(80°-90°)	114.1	0.4			G2/225
BL	(0°-30°)	1614.7	5.9	B3/2500		
BM	(30°-60°)	4037.1	14.8	B3/5000		
BH	(60°-80°)	1582.5	5.8	B3/2500		G3/2500
BVH	(80°-90°)	97.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7
2.5°	4473.7	4486.1	4467.5	4479.9	4479.9	4461.3	4455.1	4430.2	4442.6	4436.4	4430.2
5°	4579.3	4585.5	4573.1	4591.8	4591.8	4598.0	4591.8	4560.7	4560.7	4560.7	4548.3
7.5°	4548.3	4548.3	4554.5	4616.6	4678.7	4759.5	4759.5	4747.1	4759.5	4753.3	4697.4
10°	4287.3	4312.1	4368.1	4523.4	4672.5	4846.5	4964.6	5001.8	5001.8	5008.1	4914.9
12.5°	3821.3	3839.9	3970.4	4206.5	4517.2	4834.1	5119.9	5306.3	5324.9	5356.0	5231.7
15°	3405.0	3417.4	3510.6	3752.9	4107.1	4666.3	5206.9	5592.1	5654.3	5784.7	5598.3
17.5°	3442.3	3436.0	3460.9	3554.1	3808.9	4392.9	5188.2	5927.6	6039.5	6269.4	6107.8
20°	3665.9	3665.9	3684.6	3703.2	3796.4	4194.1	5051.5	6201.0	6418.5	6865.9	6679.5
22.5°	4020.1	4020.1	4013.9	4045.0	4045.0	4281.1	5057.8	6406.1	6729.2	7530.7	7350.5
25°	4511.0	4486.1	4486.1	4498.5	4442.6	4610.4	5213.1	6617.3	7039.9	8319.8	8164.5
27.5°	5064.0	5082.6	5070.2	5026.7	4952.1	5082.6	5585.9	6946.7	7387.8	9152.4	9090.3
30°	5666.7	5672.9	5685.3	5660.5	5598.3	5691.5	6170.0	7443.7	7847.6	10022.3	10159.0
32.5°	6257.0	6343.9	6312.9	6250.7	6275.6	6443.4	6890.7	8114.8	8531.1	10830.1	11314.7
35°	7008.8	7039.9	7164.1	6934.2	6940.4	7226.3	7810.3	8997.1	9401.0	11668.9	12470.4
37.5°	8102.4	8158.3	8102.4	7742.0	7686.1	8083.7	8705.1	9867.0	10159.0	12302.7	13545.4
40°	9177.3	9245.6	9338.8	8916.3	8562.2	8891.5	9550.1	10531.8	10836.3	12650.6	14259.9
42.5°	10065.8	10177.7	10078.2	9954.0	9630.9	9693.0	10140.4	11047.5	11352.0	13091.8	14980.7
45°	10817.6	10836.3	10879.8	10792.8	10631.2	10575.3	10643.7	11501.1	11836.7	13290.6	15334.8
47.5°	11128.3	11209.1	11246.4	11395.5	11563.3	11451.4	11072.4	11712.4	12016.8	13278.2	15446.7
50°	10960.6	11041.3	11240.2	11594.3	11998.2	12197.0	11575.7	12004.4	12346.2	13501.9	15676.6
52.5°	10519.4	10606.4	10929.5	11333.4	12010.6	12464.2	12284.0	12613.3	12942.6	13899.5	16061.8
55°	9450.7	9581.2	10034.7	10705.8	11637.8	12321.3	13029.6	13508.1	13868.5	14378.0	16459.5
57.5°	7897.3	8034.0	8543.5	9550.1	10948.1	11731.0	13247.1	15185.7	15347.3	14949.6	16496.8
60°	*5915.2*	*6027.1*	*6747.8*	*7555.6*	*9195.9*	*10649.9*	*13122.8*	*16776.4*	*17186.4*	*14850.2*	*15310.0*
62.5°	4685.0	4821.6	5461.6	5834.4	7008.8	8798.3	12687.9	17217.5	17571.7	14030.0	13657.2
65°	3659.7	3752.9	4349.4	4883.8	5169.6	6008.4	10873.6	15061.4	15378.3	12694.1	11271.2
67.5°	2417.0	2559.9	3268.3	4001.5	4150.6	3821.3	7481.0	11588.1	11737.2	10090.7	8475.2
70°	1733.6	1801.9	2330.0	3112.9	3336.6	2559.9	4076.0	8773.4	8816.9	6772.7	5710.2
72.5°	1180.6	1193.0	1584.4	2386.0	2659.4	1857.8	2243.1	5778.5	5629.4	3342.8	3268.3
75°	801.5	814.0	1012.8	1590.6	1882.7	1292.4	1460.2	3150.2	3026.0	1845.4	1982.1
77.5°	540.6	553.0	695.9	1068.7	1255.1	894.7	1068.7	1665.2	1634.1	1224.1	1062.5
80°	410.1	428.7	515.7	683.5	876.1	521.9	608.9	789.1	801.5	652.4	540.6
82.5°	229.9	254.8	310.7	348.0	565.4	292.0	292.0	472.2	453.6	403.9	292.0
85°	99.4	105.6	124.3	130.5	229.9	124.3	105.6	205.0	211.3	198.8	93.2
87.5°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	24.9	24.9	24.9	24.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7
2.5°	4399.1	4436.4	4399.1	4380.5	4380.5	4349.4	4337.0	4337.0	4293.5	4312.1	4299.7
5°	4498.5	4511.0	4467.5	4411.6	4337.0	4274.9	4187.9	4076.0	4007.7	4001.5	4007.7
7.5°	4653.9	4660.1	4542.0	4417.8	4231.4	4007.7	3740.5	3523.0	3330.4	3299.4	3336.6
10°	4871.4	4858.9	4685.0	4392.9	4001.5	3529.2	3119.2	2920.3	2808.5	2802.3	2796.1
12.5°	5163.4	5082.6	4815.4	4287.3	3603.8	3057.0	2845.8	2833.3	2864.4	2889.3	2895.5
15°	5498.9	5393.3	4921.1	4082.2	3199.9	2883.0	2895.5	3001.1	3038.4	3063.2	3063.2
17.5°	5915.2	5778.5	5039.1	3790.2	2994.9	2920.3	3007.3	3106.7	3168.9	3193.7	3187.5
20°	6468.2	6182.4	5132.3	3510.6	2939.0	2982.5	3057.0	3156.4	3218.6	3249.6	3249.6
22.5°	7021.2	6667.0	5151.0	3318.0	2939.0	2988.7	3057.0	3156.4	3224.8	3255.9	3249.6
25°	7773.0	7288.4	5157.2	3181.3	2945.2	2957.6	3019.7	3106.7	3206.1	3237.2	3249.6
27.5°	8574.6	7971.9	5188.2	3150.2	2920.3	2914.1	2957.6	3038.4	3137.8	3218.6	3224.8
30°	9568.7	8742.3	5200.7	3181.3	2926.5	2845.8	2876.8	2957.6	3063.2	3144.0	3168.9
32.5°	10544.3	9456.9	5175.8	3249.6	2939.0	2802.3	2808.5	2858.2	2970.0	3026.0	3069.5
35°	11575.7	10214.9	5132.3	3342.8	2945.2	2783.6	2727.7	2752.6	2827.1	2833.3	2852.0
37.5°	12383.4	10780.4	5001.8	3467.1	2957.6	2715.3	2603.4	2584.8	2553.7	2491.6	2504.0
40°	13048.3	11159.4	4784.4	3529.2	2926.5	2634.5	2448.1	2361.1	2243.1	2149.9	2168.5
42.5°	13526.7	11414.1	4523.4	3541.7	2876.8	2497.8	2267.9	2118.8	1988.3	1888.9	1895.1
45°	13738.0	11389.3	4243.8	3448.5	2758.8	2330.0	2100.2	1957.2	1814.3	1708.7	1696.3
47.5°	13744.2	11147.0	3858.6	3224.8	2559.9	2137.4	1944.8	1789.5	1671.4	1596.9	1590.6
50°	13793.9	11010.3	3498.2	2901.7	2299.0	1932.4	1808.1	1652.8	1584.4	1478.8	1447.7
52.5°	14104.6	11233.9	3249.6	2547.5	2056.7	1783.3	1690.1	1553.4	1441.5	1373.2	1367.0
55°	14607.9	11619.2	3112.9	2280.3	1826.8	1640.4	1578.2	1460.2	1360.7	1292.4	1273.8
57.5°	14670.0	11818.0	2951.4	2031.8	1640.4	1528.5	1503.7	1373.2	1230.3	1180.6	1161.9
60°	*13800.1*	*11482.5*	*2752.6*	*1801.9*	*1503.7*	*1441.5*	*1429.1*	*1255.1*	*1137.1*	*1074.9*	*1050.1*
62.5°	12613.3	10643.7	2448.1	1590.6	1398.0	1354.5	1304.8	1168.1	1019.0	950.7	932.0
65°	10308.1	8947.4	2081.5	1447.7	1292.4	1242.7	1230.3	1043.9	944.4	907.2	901.0
67.5°	7810.3	7189.0	1833.0	1342.1	1180.6	1161.9	1118.4	1056.3	1012.8	969.3	956.9
70°	5523.8	5188.2	1559.6	1205.4	1068.7	1037.6	1217.8	1149.5	994.2	938.2	932.0
72.5°	3349.1	3255.9	1348.3	1081.1	919.6	969.3	1124.6	1037.6	894.7	826.4	801.5
75°	2112.6	1932.4	1130.9	919.6	733.2	789.1	981.7	925.8	770.5	702.1	683.5
77.5°	1149.5	1068.7	851.2	751.8	577.9	640.0	857.5	764.3	615.1	671.1	596.5
80°	503.3	559.2	565.4	434.9	385.2	472.2	615.1	596.5	472.2	478.4	397.7
82.5°	242.3	316.9	366.6	298.2	217.5	279.6	410.1	341.7	316.9	298.2	285.8
85°	74.6	118.1	161.6	142.9	99.4	118.1	192.6	186.4	223.7	192.6	180.2
87.5°	24.9	24.9	18.6	18.6	18.6	24.9	31.1	18.6	6.2	6.2	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7
2.5°	4293.5	4299.7	4299.7	4305.9	4305.9	4324.6	4349.4	4374.3	4355.6	4380.5	4386.7
5°	3995.3	4026.3	4051.2	4144.4	4218.9	4281.1	4349.4	4411.6	4430.2	4442.6	4473.7
7.5°	3293.1	3380.1	3541.7	3752.9	3989.0	4218.9	4374.3	4535.8	4560.7	4591.8	4635.2
10°	2802.3	2839.6	2951.4	3168.9	3591.4	4045.0	4424.0	4678.7	4784.4	4846.5	4890.0
12.5°	2883.0	2858.2	2839.6	2870.6	3144.0	3728.1	4392.9	4883.8	5082.6	5151.0	5206.9
15°	3075.7	3050.8	2982.5	2895.5	2926.5	3392.6	4287.3	5076.4	5393.3	5505.1	5623.2
17.5°	3187.5	3162.7	3106.7	3013.5	2932.8	3112.9	4088.5	5250.4	5884.2	6020.8	6188.6
20°	3249.6	3224.8	3168.9	3075.7	2982.5	3007.3	3833.7	5467.8	6443.4	6660.8	6909.4
22.5°	3262.1	3231.0	3168.9	3075.7	3019.7	3001.1	3591.4	5598.3	7046.1	7381.6	7667.4
25°	3255.9	3199.9	3119.2	3050.8	3019.7	3013.5	3423.6	5672.9	7698.5	8232.8	8555.9
27.5°	3212.4	3144.0	3063.2	3013.5	3001.1	3038.4	3349.1	5759.9	8462.7	9146.2	9661.9
30°	3162.7	3063.2	2963.8	2945.2	2976.2	3094.3	3411.2	5790.9	9264.3	10140.4	10668.5
32.5°	3032.2	2957.6	2858.2	2852.0	2926.5	3137.8	3554.1	5747.5	9972.6	11134.5	11799.4
35°	2845.8	2802.3	2746.4	2765.0	2883.0	3175.1	3653.5	5610.8	10618.8	12060.3	12837.0
37.5°	2516.5	2547.5	2578.6	2622.1	2771.2	3168.9	3697.0	5393.3	11153.2	12799.7	13793.9
40°	2149.9	2255.5	2354.9	2466.7	2665.6	3119.2	3709.4	5126.1	11463.8	13359.0	14645.1
42.5°	1920.0	2019.4	2143.6	2305.2	2522.7	3007.3	3697.0	4827.9	11563.3	13744.2	15185.7
45°	1708.7	1826.8	1982.1	2149.9	2398.4	2845.8	3585.2	4504.8	11613.0	13924.4	15415.6
47.5°	1596.9	1665.2	1808.1	1975.9	2236.8	2646.9	3367.7	4268.7	11538.4	13961.7	15695.2
50°	1466.4	1559.6	1652.8	1814.3	2069.1	2398.4	3106.7	4132.0	11662.7	14328.3	16136.4
52.5°	1367.0	1416.7	1516.1	1665.2	1851.6	2168.5	2858.2	4020.1	12004.4	14701.1	16596.2
55°	1292.4	1348.3	1410.5	1534.7	1677.6	1938.6	2603.4	3852.3	12402.1	15098.7	17056.0
57.5°	1174.3	1211.6	1298.6	1429.1	1522.3	1714.9	2305.2	3653.5	12371.0	14788.0	16260.6
60°	*1068.7*	*1106.0*	*1199.2*	*1329.7*	*1385.6*	*1516.1*	*2013.2*	*3398.8*	*11774.5*	*13775.3*	*14794.3*
62.5°	950.7	994.2	1106.0	1199.2	1248.9	1348.3	1708.7	2932.8	10531.8	12253.0	13079.3
65°	901.0	925.8	1000.4	1112.2	1106.0	1199.2	1441.5	2305.2	8475.2	9363.7	10115.5
67.5°	956.9	994.2	981.7	1012.8	994.2	1043.9	1292.4	1851.6	6660.8	7052.3	7487.2
70°	944.4	1031.4	1074.9	1012.8	869.9	925.8	1118.4	1478.8	4765.7	4728.4	4709.8
72.5°	826.4	913.4	1037.6	1099.8	851.2	770.5	969.3	1280.0	3057.0	3044.6	2752.6
75°	702.1	764.3	913.4	994.2	733.2	621.3	832.6	1087.4	1826.8	1851.6	1652.8
77.5°	646.2	615.1	764.3	876.1	596.5	478.4	671.1	820.2	1006.6	1019.0	944.4
80°	466.0	447.4	571.6	640.0	453.6	341.7	379.0	509.5	540.6	484.7	503.3
82.5°	298.2	304.5	341.7	410.1	279.6	186.4	261.0	341.7	292.0	236.1	279.6
85°	192.6	217.5	180.2	211.3	87.0	87.0	111.8	149.1	99.4	68.3	74.6
87.5°	0.0	0.0	12.4	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1501576
CATALOG NUMBER: GSS-SB3D-840-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4386.7	4386.7	*4386.7*	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7	4386.7
2.5°	4405.3	4399.1	*4399.1*	4411.6	4442.6	4455.1	4473.7	4467.5	4486.1	4473.7
5°	4492.3	4498.5	*4517.2*	4523.4	4542.0	4566.9	4573.1	4566.9	4579.3	4579.3
7.5°	4666.3	4691.2	*4678.7*	4709.8	4685.0	4653.9	4604.2	4566.9	4535.8	4548.3
10°	4958.3	4945.9	*4939.7*	4883.8	4771.9	4610.4	4479.9	4337.0	4312.1	4287.3
12.5°	5281.4	5269.0	*5269.0*	5076.4	4759.5	4424.0	4125.7	3902.1	3827.5	3821.3
15°	5735.0	5654.3	*5579.7*	5175.8	4542.0	3970.4	3622.5	3448.5	3405.0	3405.0
17.5°	6300.5	6089.2	*5964.9*	5101.3	4187.9	3672.2	3467.1	3423.6	3411.2	3442.3
20°	7002.6	6468.2	*6288.0*	4933.5	4057.4	3709.4	3610.0	3616.2	3622.5	3665.9
22.5°	7773.0	6816.2	*6517.9*	4933.5	4187.9	3945.6	3895.8	3964.2	3982.8	4020.1
25°	8630.5	7126.8	*6723.0*	5194.5	4573.1	4392.9	4330.8	4399.1	4448.8	4511.0
27.5°	9593.6	7449.9	*7077.1*	5666.7	5070.2	4958.3	4890.0	4921.1	4989.4	5064.0
30°	10457.3	7990.5	*7617.7*	6387.4	5747.5	5610.8	5492.7	5542.4	5617.0	5666.7
32.5°	11221.5	8649.1	*8332.3*	7145.5	6524.1	6288.0	6157.5	6145.1	6294.2	6257.0
35°	11923.6	9425.8	*9121.4*	8009.2	7313.2	7021.2	6847.2	7070.9	6971.5	7008.8
37.5°	12476.6	10233.6	*9991.3*	8835.5	8133.4	7735.8	7630.1	7903.5	8058.9	8102.4
40°	12930.2	10935.7	*10680.9*	9655.7	8885.3	8593.2	8761.0	9214.6	9195.9	9177.3
42.5°	13278.2	11538.4	*11258.8*	10277.1	9606.0	9661.9	9792.4	10096.9	10171.4	10065.8
45°	13433.5	11917.4	*11693.7*	10767.9	10426.2	10749.3	10805.2	10935.7	10886.0	10817.6
47.5°	13613.7	12253.0	*12016.8*	11215.3	11314.7	11631.6	11519.8	11414.1	11233.9	11128.3
50°	13918.2	12650.6	*12451.8*	11867.7	12228.1	12122.5	11687.5	11451.4	11084.8	10960.6
52.5°	14496.0	13402.4	*13253.3*	12899.2	12656.8	12047.9	11519.8	11097.2	10687.2	10519.4
55°	15011.7	14421.5	*14334.5*	13862.2	12526.3	11656.5	10948.1	10295.7	9593.6	9450.7
57.5°	15310.0	16111.5	*16210.9*	14272.3	11929.9	10767.9	9724.1	8680.2	8015.4	7897.3
60°	*14421.5*	*17938.3*	*17988.0*	*14191.6*	*10854.9*	*9164.9*	*7574.2*	*6834.8*	*6120.3*	*5915.2*
62.5°	13197.4	17559.3	*17515.8*	13706.9	8642.9	6685.7	5753.7	5405.7	4852.7	4685.0
65°	11345.8	14626.5	*14676.2*	11842.9	5747.5	4834.1	4834.1	4392.9	3777.8	3659.7
67.5°	9245.6	11277.4	*11165.6*	7679.8	3529.2	3871.0	4057.4	3423.6	2559.9	2417.0
70°	6008.4	8611.9	*8456.5*	4430.2	2218.2	3224.8	3193.7	2572.4	1833.0	1733.6
72.5°	2584.8	4977.0	*5293.9*	2261.7	1671.4	2597.2	2547.5	1801.9	1224.1	1180.6
75°	1559.6	2504.0	*2727.7*	1441.5	1217.8	1957.2	1764.6	1143.3	832.6	801.5
77.5°	987.9	1373.2	*1360.7*	1081.1	913.4	1323.5	1186.8	789.1	565.4	540.6
80°	571.6	677.3	*702.1*	677.3	615.1	944.4	758.0	571.6	441.2	410.1
82.5°	366.6	422.5	*428.7*	329.3	341.7	608.9	410.1	335.5	254.8	229.9
85°	161.6	180.2	*174.0*	111.8	111.8	248.5	142.9	136.7	99.4	99.4
87.5°	6.2	12.4	*6.2*	6.2	6.2	24.9	12.4	18.6	18.6	18.6
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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

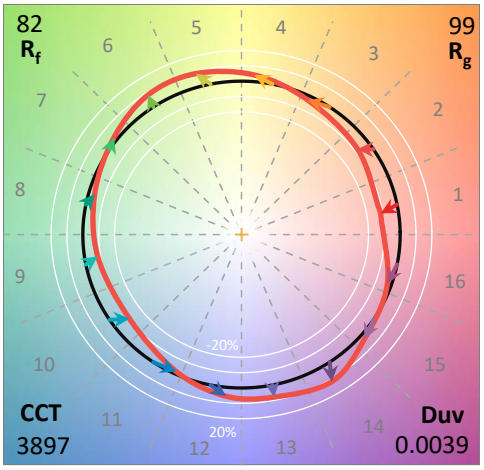
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-11
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-840-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3897
CIE u':	0.2249
CIE v':	0.5084
Duv:	0.0039
CIE x:	0.3882
CIE y:	0.3900
CIE z:	0.2218
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	577
Purity:	33.54925
Rf:	81.8
Rg:	98.6

CRI (Ra):	80.2
R1:	78.9
R2:	83.5
R3:	88.3
R4:	82.1
R5:	78.8
R6:	78.4
R7:	85.8
R8:	65.8
R9:	6.7
R10:	61.9
R11:	81.9
R12:	58.9
R13:	79.2
R14:	93.2
R15:	71.9



Test Conditions

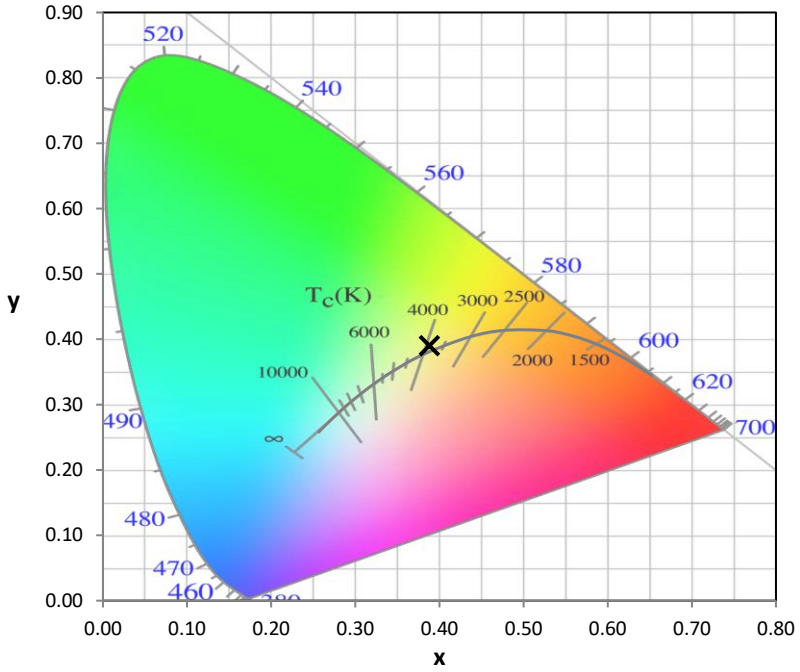
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

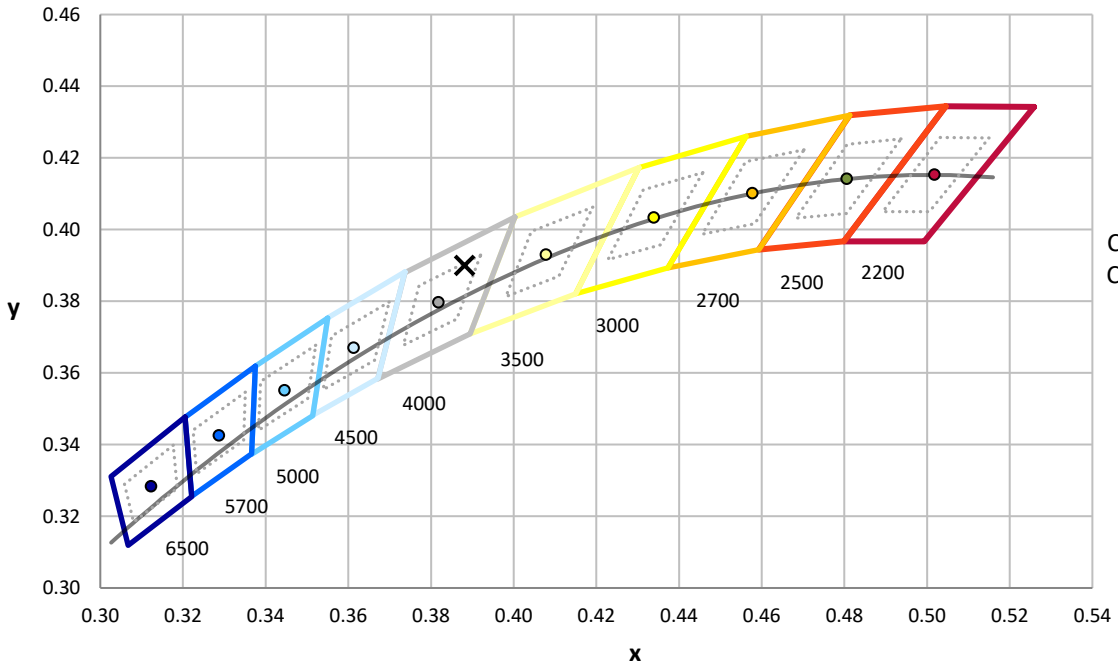
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



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

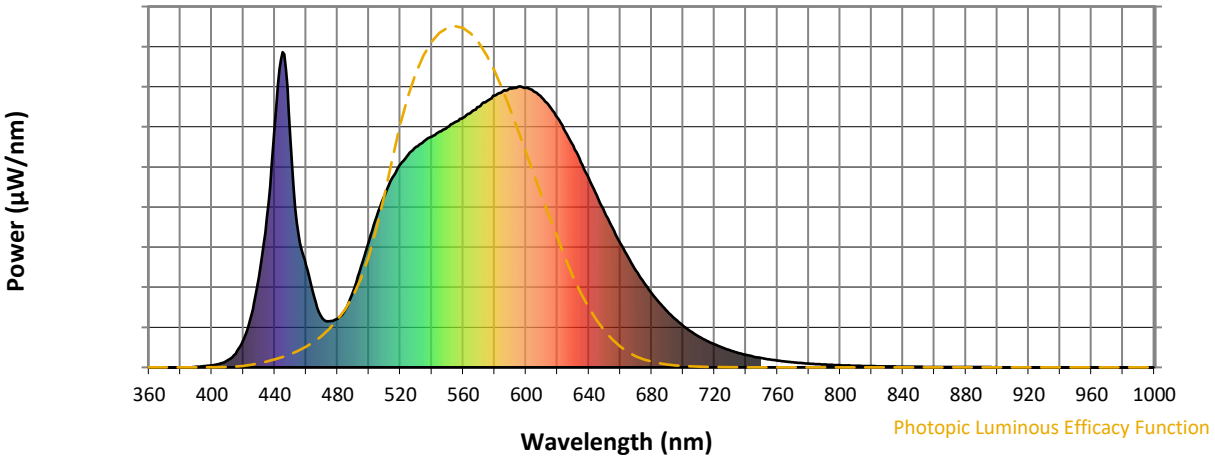


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

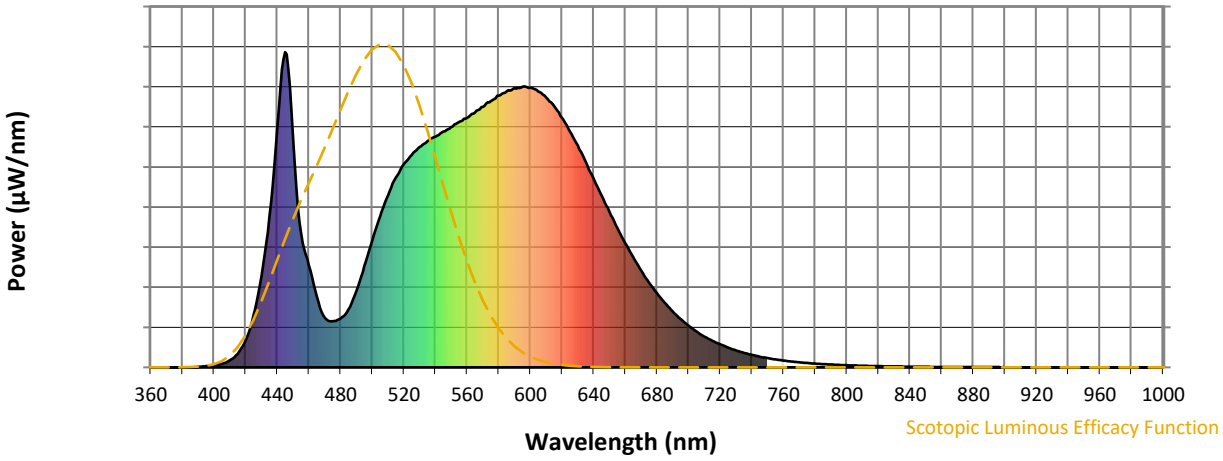


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength

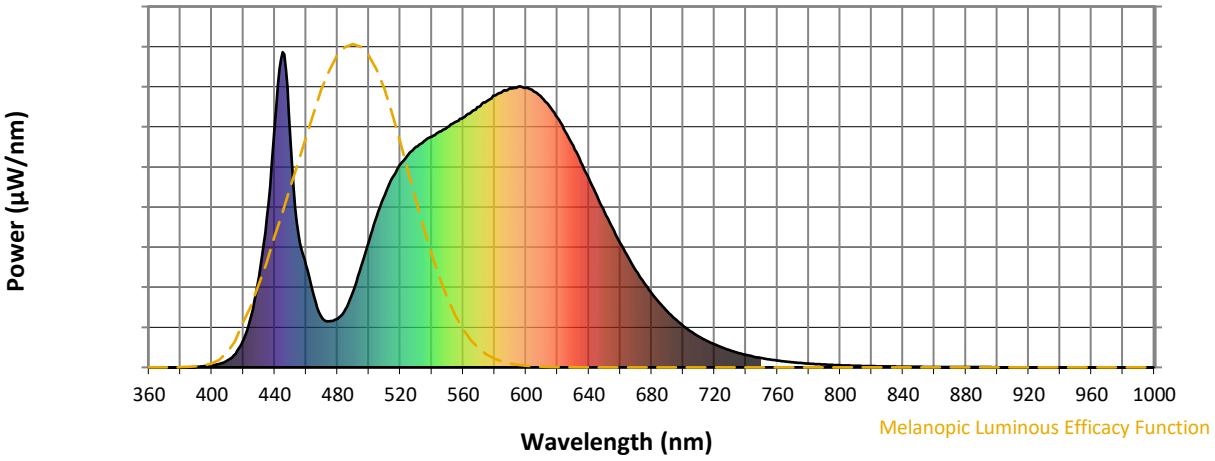


Scotopic Lumens: NR **S/P: 1.57**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.06**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

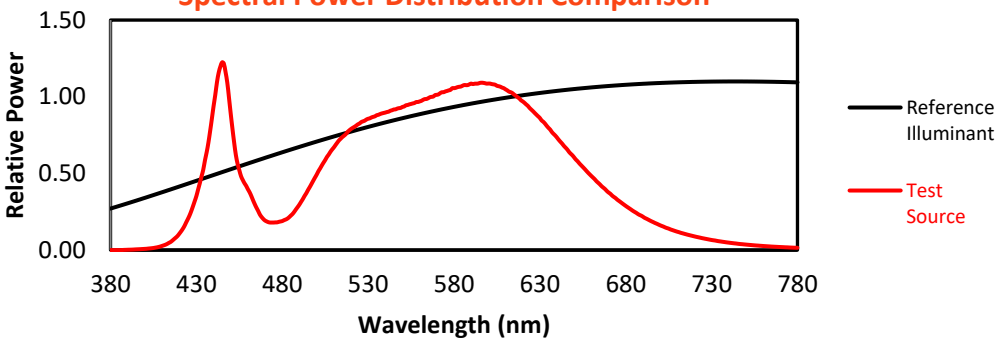
REPORT NUMBER: SP1-2407-184-11

TM-30-18

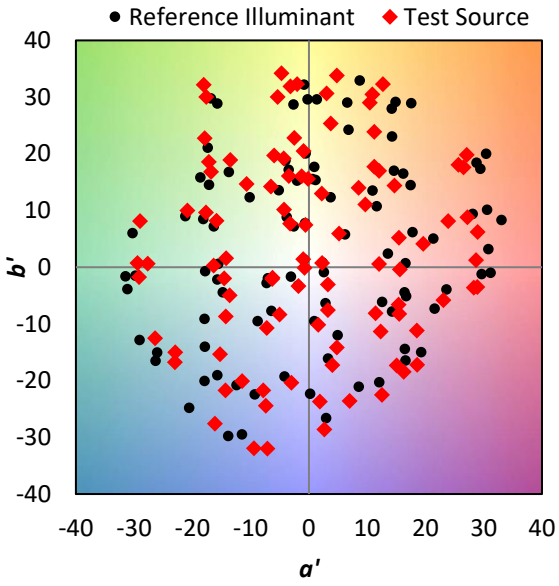
Summary

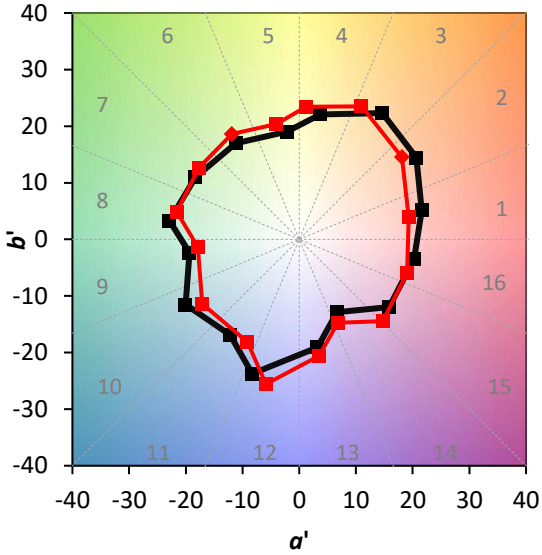
R_f = 81.8
R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

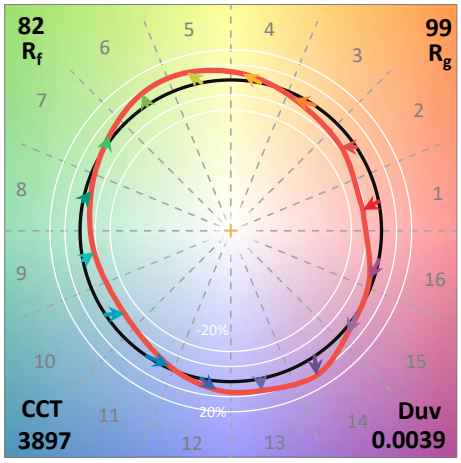
Spectral Power Distribution Comparison

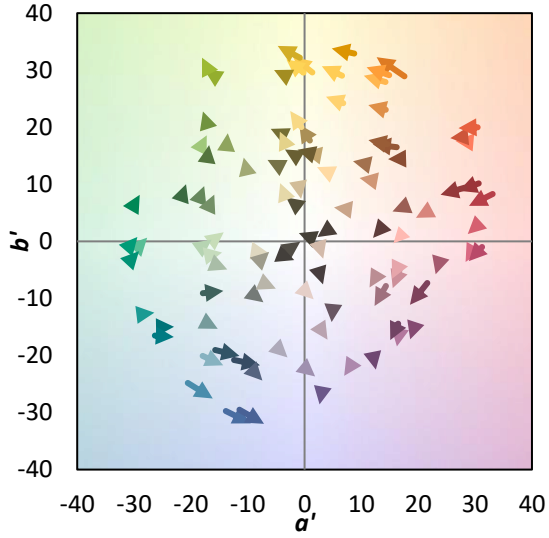


Color Vector Graphics







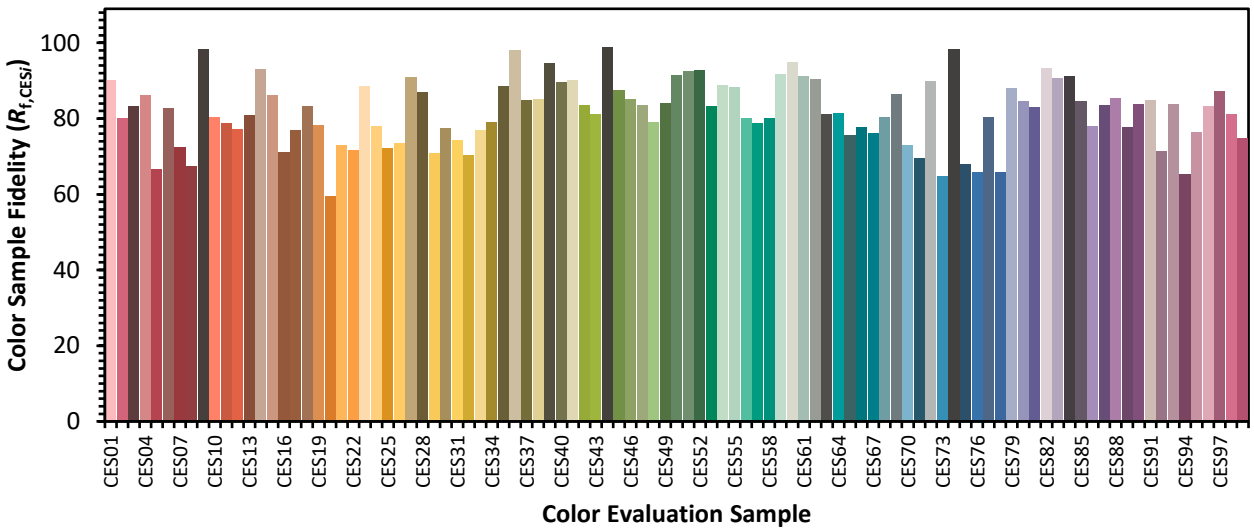


REPORT NUMBER: SP1-2407-184-11

TM-30-18

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

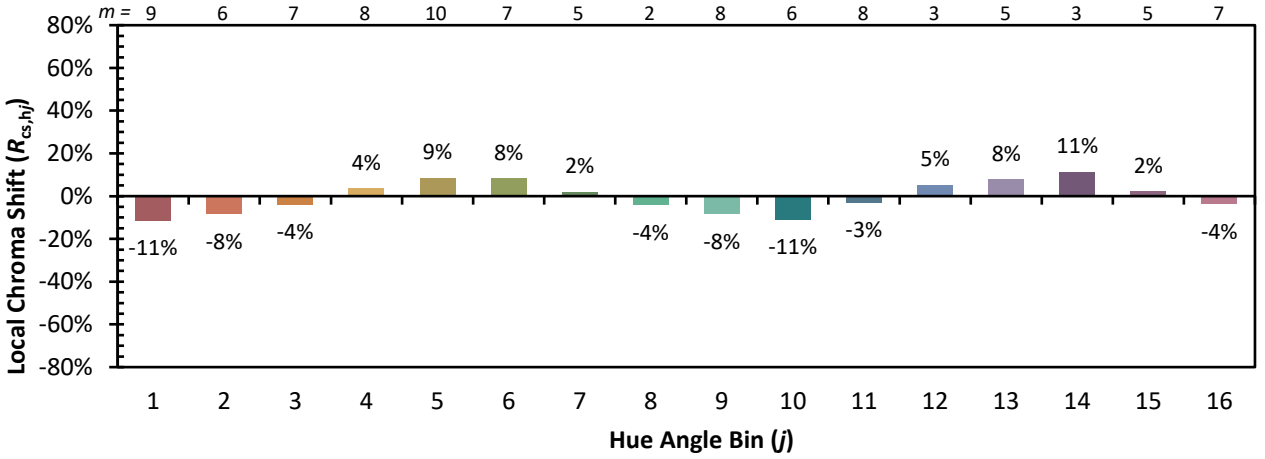
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	

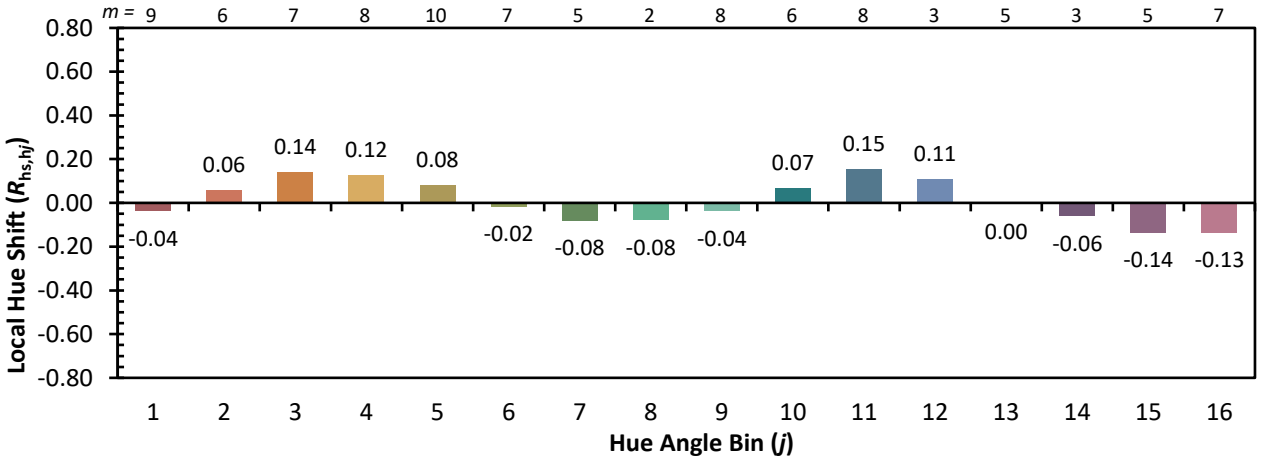


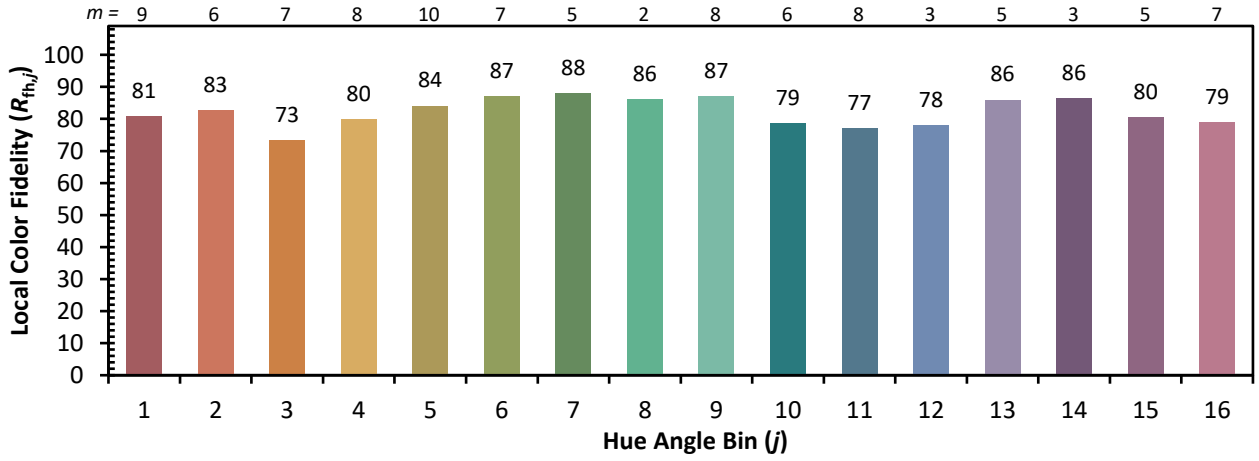
REPORT NUMBER: SP1-2407-184-11

TM-30-18

Color Rendition by Hue-Angle Bin



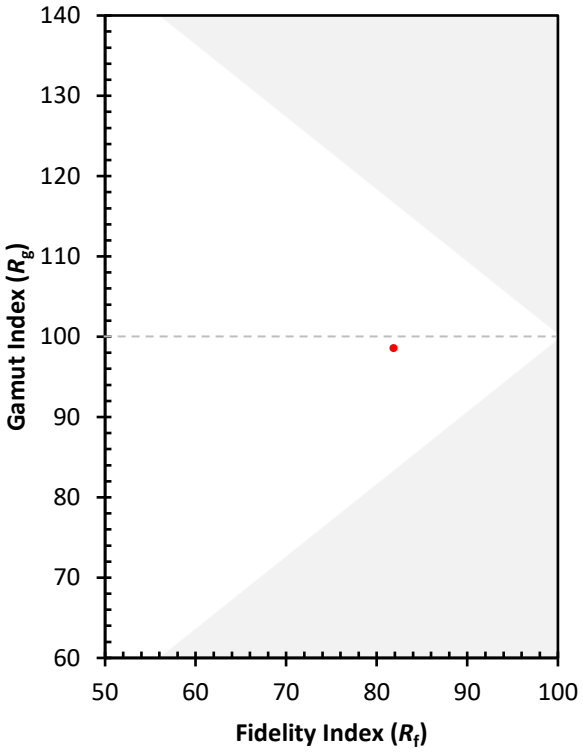


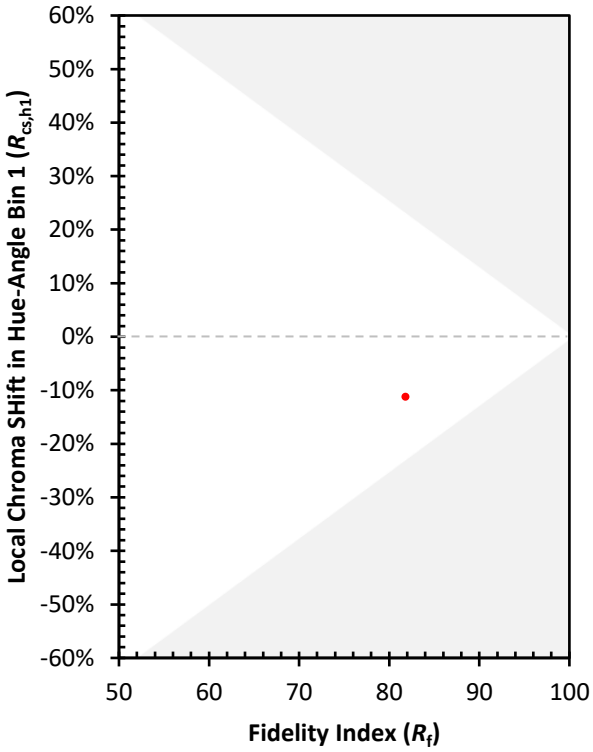


REPORT NUMBER: SP1-2407-184-11

TM-30-18

Measure Comparisons





(END OF REPORT)