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: P1364568

Luminaire Tested: **GSS-SB5B-727-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364568
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-727-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(130) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19220.4 lumens
Efficiency:	N/A
Efficacy:	104.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

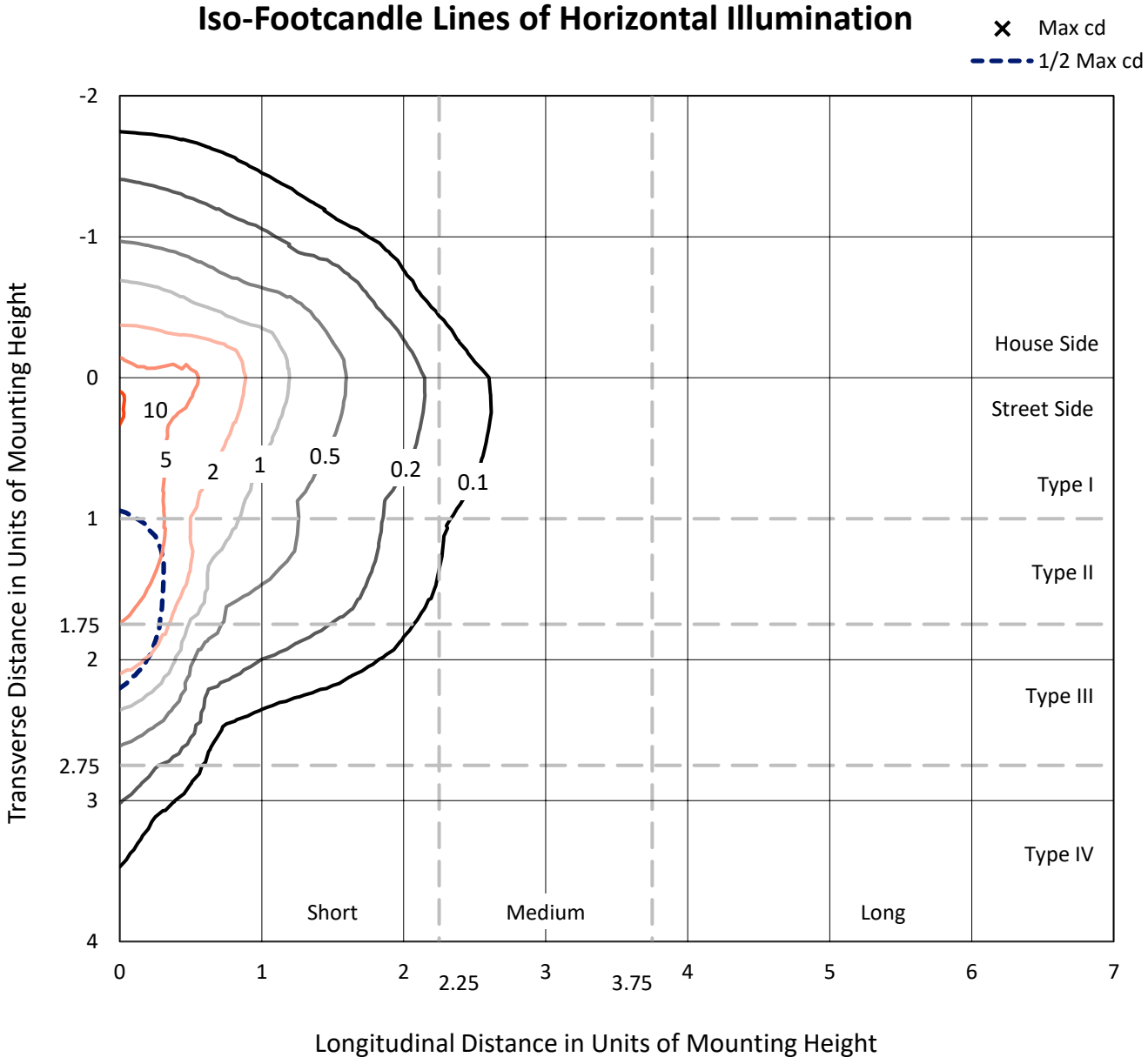
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



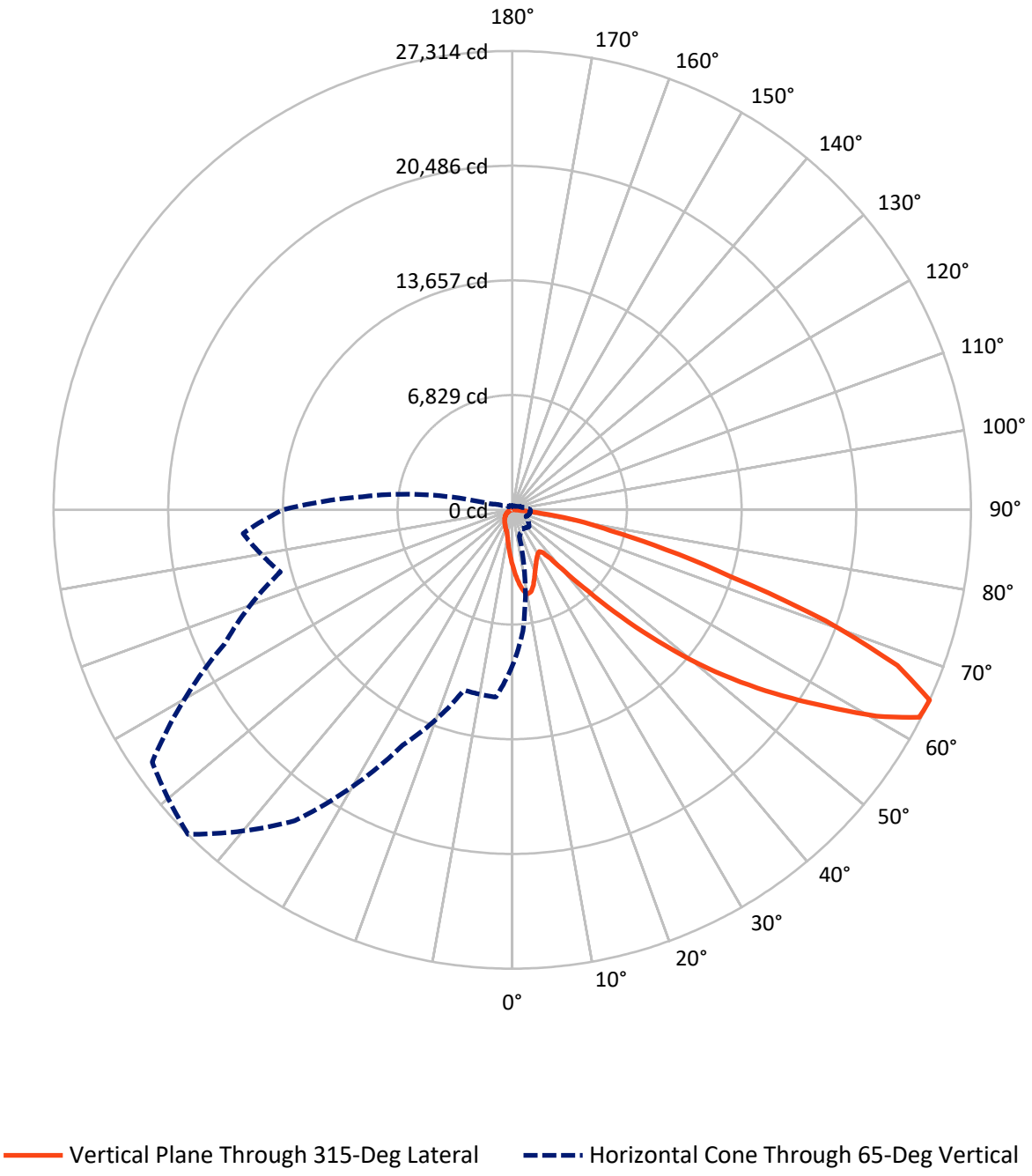
Based on 20 foot mounting height. Maximum calculated value = 10.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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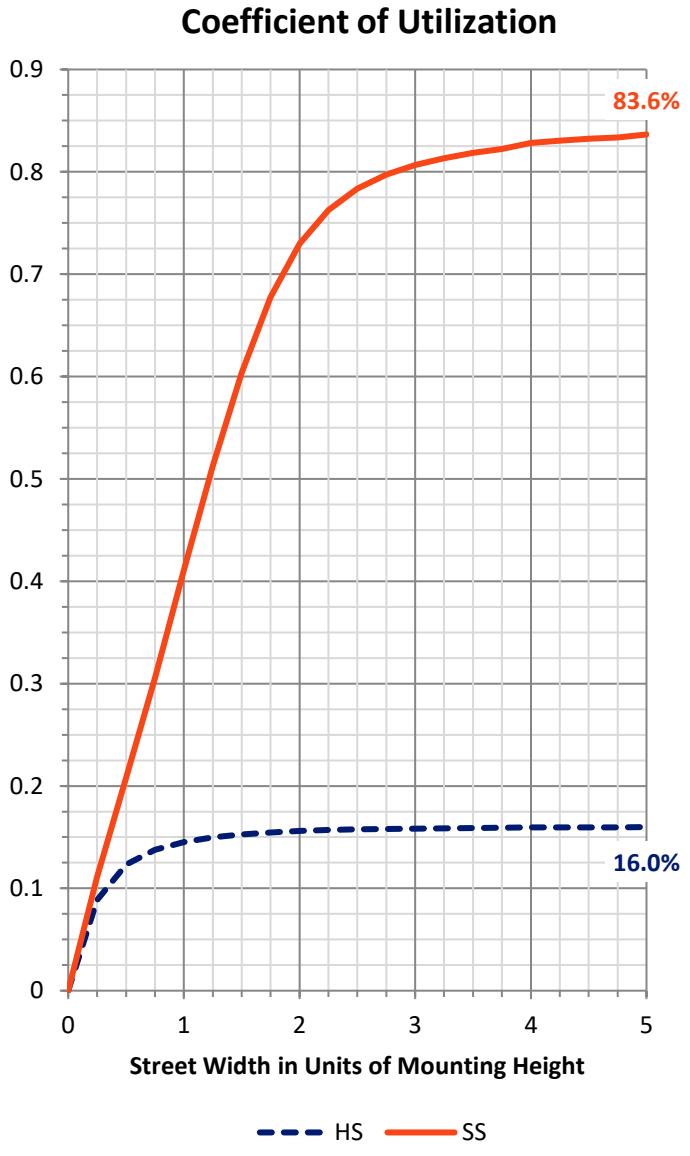
REPORT NUMBER: P1364568
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3107.1	0.0	3107.1
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	16113.3	0.0	16113.3
	% Fixture	83.8	0.0	83.8
Total	Lumens	19220.4	0.0	19220.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.3	1.7
10°-20°	883.2	4.6
20°-30°	1264.9	6.6
30°-40°	1586.6	8.3
40°-50°	2606.3	13.6
50°-60°	4703.3	24.5
60°-70°	5219.7	27.2
70°-80°	2358.3	12.3
80°-90°	278.8	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°	19220.4	100.0
0°-180°	19220.4	100.0



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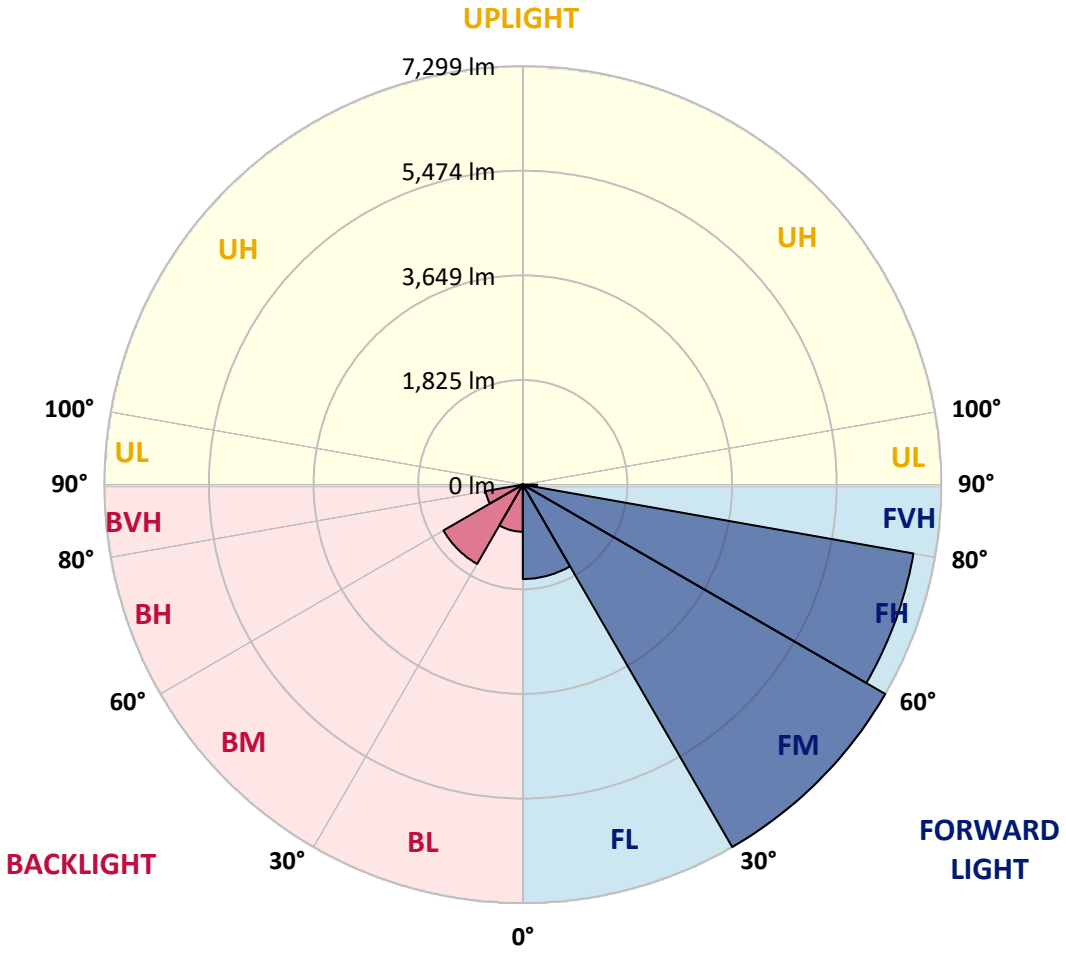
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1646.4	8.6			
FM	(30°-60°)	7298.5	38.0			
FH	(60°-80°)	6918.1	36.0			G3/7500
FVH	(80°-90°)	250.3	1.3			G3/500
BL	(0°-30°)	821.0	4.3	B2/1000		
BM	(30°-60°)	1597.6	8.3	B2/2500		
BH	(60°-80°)	659.8	3.4	B2/1000		G2/1000
BVH	(80°-90°)	28.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8
2.5°	3747.8	3744.2	3730.0	3641.5	3553.0	3476.3	3399.5	3322.8	3216.6	3133.9	3063.1
5°	4101.9	4083.0	4007.4	3871.7	3724.1	3594.3	3446.8	3305.1	3145.8	3015.9	2880.2
7.5°	4343.9	4325.0	4249.4	4025.1	3800.9	3641.5	3482.2	3334.6	3157.6	2986.4	2791.6
10°	4456.0	4434.7	4349.8	4107.8	3848.1	3653.3	3494.0	3358.2	3210.7	3039.5	2797.5
12.5°	4532.7	4506.7	4402.9	4125.5	3859.9	3665.1	3499.9	3370.0	3263.8	3163.5	2927.4
15°	4579.9	4556.3	4461.9	4172.7	3865.8	3647.4	3452.7	3328.7	3293.3	3311.0	3198.9
17.5°	4650.8	4628.3	4538.6	4231.7	3901.2	3617.9	3352.3	3216.6	3293.3	3452.7	3488.1
20°	4745.2	4721.6	4627.1	4308.4	3930.7	3529.4	3163.5	3033.6	3228.4	3494.0	3676.9
22.5°	4851.4	4832.5	4757.0	4397.0	3960.2	3399.5	2915.6	2856.6	3092.6	3375.9	3612.0
25°	4981.3	4963.6	4892.7	4520.9	3989.7	3222.5	2703.1	2714.9	2915.6	3139.9	3381.8
27.5°	5158.3	5141.8	5075.7	4674.4	4025.1	3039.5	2531.9	2591.0	2738.5	2892.0	3039.5
30°	5353.1	5340.1	5288.2	4857.3	4096.0	2868.4	2431.6	2467.0	2567.4	2691.3	2779.8
32.5°	5618.7	5597.4	5512.4	5028.5	4090.1	2738.5	2384.4	2349.0	2378.5	2478.8	2567.4
35°	5949.2	5932.7	5866.6	5205.5	3983.8	2620.5	2360.8	2236.8	2219.1	2278.2	2366.7
37.5°	6433.2	6419.0	6362.3	5494.7	3818.6	2472.9	2301.8	2118.8	2059.8	2101.1	2160.1
40°	7159.1	7122.5	6976.1	5825.3	3635.6	2325.4	2195.5	1977.2	1894.5	1924.0	1989.0
42.5°	8144.7	8075.1	7796.5	6267.9	3387.7	2183.7	2036.2	1835.5	1747.0	1764.7	1823.7
45°	9407.8	9302.7	8882.5	6875.8	3128.0	2071.6	1870.9	1688.0	1593.5	1611.2	1676.2
47.5°	10883.2	10739.2	10163.2	7513.2	2850.7	2006.7	1741.1	1540.4	1469.6	1510.9	1575.8
50°	12624.3	12479.1	11898.4	7920.5	2626.4	1965.4	1640.7	1404.7	1375.2	1428.3	1481.4
52.5°	14524.8	14318.2	13491.9	7660.8	2443.4	1929.9	1605.3	1310.2	1322.0	1363.4	1416.5
55°	16372.1	15912.9	14076.2	6799.1	2207.3	1888.6	1628.9	1239.4	1268.9	1322.0	1363.4
57.5°	17576.1	16778.1	13586.3	5477.0	1959.5	1841.4	1646.7	1204.0	1227.6	1286.6	1333.8
60°	16525.5	15722.9	12512.2	4101.9	1747.0	1741.1	1617.1	1192.2	1156.8	1239.4	1280.7
62.5°	13539.1	12878.1	10234.0	2620.5	1546.3	1552.2	1552.2	1186.3	1038.7	1145.0	1180.4
65°	*9301.5*	*8888.4*	*7235.8*	*1623.0*	*1263.0*	*1322.0*	*1410.6*	*1150.9*	*914.8*	*1038.7*	*1074.2*
67.5°	6114.4	5811.1	4597.6	1003.3	973.8	1086.0	1221.7	1080.1	820.4	932.5	956.1
70°	3316.9	3086.7	2166.0	661.0	637.4	849.9	962.0	914.8	737.7	832.2	855.8
72.5°	2189.6	2000.8	1245.3	466.3	466.3	666.9	672.8	749.6	661.0	737.7	761.4
75°	1646.7	1477.9	802.7	324.6	360.0	424.9	525.3	537.1	554.8	625.6	655.1
77.5°	755.5	663.4	295.1	194.8	265.6	295.1	401.3	342.3	413.1	466.3	478.1
80°	436.7	382.4	165.3	129.8	171.2	188.9	330.5	200.7	247.9	330.5	348.2
82.5°	183.0	162.9	82.6	88.5	106.2	112.1	183.0	141.6	159.4	218.4	212.5
85°	53.1	53.1	53.1	59.0	64.9	64.9	106.2	100.3	94.4	100.3	100.3
87.5°	35.4	35.4	35.4	35.4	41.3	41.3	47.2	53.1	59.0	59.0	59.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8
2.5°	3033.6	2992.3	2939.2	2862.5	2850.7	2809.3	2779.8	2809.3	2838.9	2892.0	2897.9
5°	2809.3	2744.4	2620.5	2526.0	2419.8	2366.7	2360.8	2349.0	2384.4	2461.1	2508.3
7.5°	2685.4	2579.2	2354.9	2189.6	2042.1	1989.0	1947.7	1983.1	1977.2	2077.5	2118.8
10°	2655.9	2490.6	2177.8	1929.9	1747.0	1676.2	1634.8	1628.9	1640.7	1699.8	1741.1
12.5°	2762.1	2549.7	2107.0	1741.1	1528.6	1451.9	1404.7	1363.4	1363.4	1375.2	1428.3
15°	2998.2	2744.4	2148.3	1652.6	1422.4	1322.0	1245.3	1192.2	1150.9	1156.8	1162.7
17.5°	3328.7	3027.7	2254.6	1623.0	1357.5	1251.2	1156.8	1103.7	1056.5	1044.6	1044.6
20°	3588.4	3299.2	2337.2	1599.4	1304.3	1168.6	1086.0	1038.7	997.4	979.7	979.7
22.5°	3617.9	3411.3	2408.0	1569.9	1239.4	1086.0	1009.2	967.9	938.4	932.5	932.5
25°	3423.1	3322.8	2384.4	1534.5	1174.5	1009.2	950.2	914.8	885.3	879.4	885.3
27.5°	3098.5	3045.4	2301.8	1487.3	1121.4	950.2	897.1	867.6	838.1	832.2	838.1
30°	2809.3	2750.3	2160.1	1410.6	1080.1	903.0	844.0	814.5	785.0	785.0	790.9
32.5°	2573.3	2514.2	2018.5	1322.0	1026.9	849.9	796.8	767.3	737.7	737.7	749.6
35°	2360.8	2313.6	1906.3	1233.5	973.8	802.7	743.6	720.0	696.4	690.5	702.3
37.5°	2177.8	2154.2	1806.0	1139.1	920.7	755.5	702.3	678.7	649.2	643.3	655.1
40°	2000.8	1989.0	1693.9	1056.5	855.8	708.2	655.1	631.5	596.1	596.1	607.9
42.5°	1835.5	1829.6	1593.5	1003.3	796.8	661.0	602.0	578.4	548.9	548.9	560.7
45°	1705.7	1699.8	1499.1	973.8	737.7	607.9	554.8	525.3	501.7	507.6	519.4
47.5°	1587.6	1575.8	1398.8	979.7	708.2	572.5	501.7	472.2	454.5	466.3	484.0
50°	1493.2	1481.4	1327.9	985.6	661.0	525.3	460.4	430.8	419.0	436.7	454.5
52.5°	1434.2	1422.4	1257.1	950.2	602.0	489.9	419.0	401.3	401.3	419.0	430.8
55°	1375.2	1363.4	1139.1	873.5	537.1	454.5	389.5	377.7	377.7	395.4	407.2
57.5°	1339.7	1316.1	1015.1	785.0	484.0	413.1	360.0	360.0	360.0	365.9	371.8
60°	1286.6	1227.6	885.3	672.8	442.6	371.8	336.4	330.5	330.5	324.6	330.5
62.5°	1174.5	1074.2	743.6	572.5	395.4	336.4	306.9	301.0	283.3	265.6	271.5
65°	*1062.4*	*908.9*	*590.2*	*478.1*	*342.3*	*289.2*	*271.5*	*265.6*	*236.1*	*212.5*	*218.4*
67.5°	920.7	725.9	442.6	401.3	295.1	247.9	230.2	230.2	212.5	194.8	194.8
70°	820.4	566.6	371.8	301.0	236.1	194.8	194.8	206.6	188.9	165.3	165.3
72.5°	725.9	460.4	301.0	242.0	183.0	153.5	165.3	171.2	153.5	135.7	135.7
75°	619.7	360.0	236.1	188.9	135.7	118.0	123.9	135.7	123.9	106.2	112.1
77.5°	448.6	247.9	159.4	123.9	100.3	88.5	94.4	94.4	88.5	82.6	82.6
80°	312.8	165.3	106.2	82.6	70.8	64.9	64.9	59.0	59.0	64.9	64.9
82.5°	188.9	118.0	76.7	64.9	53.1	41.3	41.3	47.2	47.2	53.1	53.1
85°	82.6	70.8	53.1	47.2	35.4	29.5	35.4	35.4	41.3	47.2	47.2
87.5°	53.1	53.1	41.3	35.4	29.5	23.6	23.6	29.5	29.5	35.4	41.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8
2.5°	2921.5	2980.5	3051.3	3151.7	3240.2	3346.4	3452.7	3553.0	3647.4	3659.2	3700.5
5°	2543.8	2655.9	2797.5	2962.8	3163.5	3375.9	3582.5	3800.9	3977.9	4042.9	4137.3
7.5°	2154.2	2295.9	2502.4	2756.2	3039.5	3358.2	3676.9	3983.8	4249.4	4373.4	4497.3
10°	1782.4	1918.1	2171.9	2478.8	2844.8	3275.6	3700.5	4113.7	4438.3	4579.9	4698.0
12.5°	1446.0	1581.7	1788.3	2142.4	2585.1	3104.4	3665.1	4160.9	4520.9	4668.5	4780.6
15°	1180.4	1292.5	1487.3	1817.8	2284.1	2868.4	3541.2	4125.5	4538.6	4680.3	4762.9
17.5°	1038.7	1068.3	1192.2	1493.2	2000.8	2655.9	3381.8	4078.3	4550.4	4680.3	4727.5
20°	979.7	979.7	1003.3	1162.7	1658.5	2431.6	3263.8	4048.8	4568.1	4698.0	4692.1
22.5°	926.6	938.4	938.4	973.8	1263.0	2118.8	3139.9	4037.0	4621.2	4721.6	4639.0
25°	879.4	897.1	897.1	908.9	991.5	1747.0	2986.4	4060.6	4715.7	4768.8	4603.5
27.5°	838.1	855.8	855.8	867.6	885.3	1298.4	2732.6	4066.5	4821.9	4827.8	4556.3
30°	796.8	814.5	826.3	826.3	838.1	956.1	2413.9	4031.0	4940.0	4904.5	4550.4
32.5°	749.6	773.2	779.1	790.9	796.8	832.2	2000.8	3972.0	5087.5	5010.8	4556.3
35°	708.2	737.7	743.6	743.6	755.5	790.9	1599.4	3907.1	5288.2	5152.4	4579.9
37.5°	666.9	690.5	696.4	702.3	714.1	749.6	1268.9	3812.7	5459.3	5329.5	4698.0
40°	619.7	649.2	655.1	661.0	672.8	708.2	1091.9	3694.6	5719.0	5624.6	4875.0
42.5°	572.5	602.0	613.8	619.7	625.6	672.8	997.4	3612.0	6138.1	6037.7	5235.1
45°	531.2	560.7	572.5	572.5	584.3	649.2	914.8	3795.0	6716.4	6669.2	5719.0
47.5°	495.8	525.3	531.2	531.2	537.1	613.8	844.0	4284.8	7601.7	7477.8	6474.5
50°	466.3	489.9	501.7	489.9	495.8	584.3	885.3	5093.4	8734.9	8776.2	7584.0
52.5°	442.6	466.3	472.2	448.6	448.6	543.0	938.4	5754.4	10180.9	10558.6	9342.8
55°	413.1	436.7	442.6	413.1	413.1	478.1	814.5	5795.7	11827.6	13043.4	11632.8
57.5°	383.6	407.2	407.2	383.6	377.7	413.1	661.0	5140.6	13102.4	15858.6	14766.7
60°	348.2	371.8	365.9	354.1	342.3	377.7	607.9	3918.9	12931.2	17694.1	18361.0
62.5°	283.3	318.7	330.5	324.6	301.0	342.3	566.6	2555.6	11190.1	16100.6	18248.9
65°	*236.1*	*265.6*	*283.3*	*283.3*	*265.6*	*377.7*	*495.8*	*1345.7*	*8959.2*	*13663.1*	*16088.8*
67.5°	206.6	236.1	247.9	242.0	230.2	336.4	312.8	649.2	6869.9	11774.4	14400.8
70°	183.0	206.6	218.4	200.7	188.9	271.5	224.3	383.6	4597.6	9826.8	12825.0
72.5°	147.5	171.2	183.0	165.3	147.5	200.7	171.2	253.8	2992.3	8374.9	11396.7
75°	118.0	141.6	147.5	135.7	118.0	147.5	135.7	177.1	1953.6	6928.9	9691.0
77.5°	88.5	100.3	112.1	106.2	88.5	106.2	94.4	123.9	1115.5	4863.2	6799.1
80°	70.8	76.7	76.7	76.7	70.8	64.9	64.9	82.6	501.7	2396.2	3547.1
82.5°	59.0	64.9	64.9	59.0	53.1	47.2	41.3	47.2	147.5	1074.2	1634.8
85°	53.1	59.0	47.2	41.3	35.4	29.5	17.7	17.7	41.3	171.2	318.7
87.5°	41.3	35.4	29.5	23.6	11.8	5.9	5.9	0.0	5.9	5.9	5.9
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: P1364568
CATALOG NUMBER: GSS-SB5B-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8	3322.8
2.5°	3765.5	3824.5	3865.8	3901.2	3889.4	3859.9	3800.9	3759.6	3750.1	3747.8
5°	4261.2	4355.7	4438.3	4426.5	4438.3	4349.8	4261.2	4155.0	4112.5	4101.9
7.5°	4674.4	4792.4	4892.7	4880.9	4845.5	4745.2	4597.6	4438.3	4362.7	4343.9
10°	4898.6	5034.4	5117.0	5087.5	5028.5	4898.6	4751.1	4562.2	4477.2	4456.0
12.5°	4940.0	5028.5	5010.8	4999.0	4987.2	4922.2	4810.1	4639.0	4554.0	4532.7
15°	4833.7	4798.3	4698.0	4674.4	4762.9	4845.5	4821.9	4680.3	4600.0	4579.9
17.5°	4656.7	4473.7	4290.7	4267.1	4414.7	4644.9	4827.8	4745.2	4669.6	4650.8
20°	4461.9	4119.6	3918.9	3877.6	4060.6	4402.9	4762.9	4810.1	4758.2	4745.2
22.5°	4231.7	3830.4	3617.9	3594.3	3730.0	4131.4	4668.5	4880.9	4857.3	4851.4
25°	4031.0	3576.6	3375.9	3340.5	3517.6	3907.1	4574.0	4999.0	4984.8	4981.3
27.5°	3865.8	3393.6	3181.2	3157.6	3328.7	3718.2	4456.0	5099.3	5146.5	5158.3
30°	3736.0	3257.9	3045.4	3015.9	3204.8	3588.4	4373.4	5241.0	5330.7	5353.1
32.5°	3635.6	3181.2	2980.5	2962.8	3163.5	3535.3	4326.1	5388.5	5572.6	5618.7
35°	3600.2	3204.8	3069.0	3110.3	3263.8	3588.4	4361.6	5630.5	5885.5	5949.2
37.5°	3676.9	3464.5	3558.9	3665.1	3724.1	3842.2	4526.8	6020.0	6350.5	6433.2
40°	3924.8	4160.9	4603.5	4810.1	4786.5	4515.0	4904.5	6568.9	7041.1	7159.1
42.5°	4556.3	5323.6	6262.0	6610.2	6409.5	5589.2	5506.5	7471.9	8010.2	8144.7
45°	5494.7	6728.3	8268.7	9053.6	8363.1	6952.5	6456.8	8758.5	9277.9	9407.8
47.5°	6433.2	8298.2	10747.5	11680.0	10322.6	8304.1	7702.1	10298.9	10766.4	10883.2
50°	7389.3	10033.4	13220.4	14465.7	12276.1	9679.2	9024.1	12199.4	12539.3	12624.3
52.5°	8374.9	11585.6	15947.1	17021.3	14318.2	10741.6	10535.0	14271.0	14474.0	14524.8
55°	9472.7	13055.2	18679.8	19547.3	16177.3	11668.2	12305.6	16437.0	16385.1	16372.1
57.5°	10936.4	14601.5	20881.2	22091.1	17865.3	12919.4	14672.3	18845.0	17829.9	17576.1
60°	13491.9	17003.6	23619.7	24935.8	20125.7	14749.0	16413.4	18791.9	16978.8	16525.5
62.5°	16454.7	19317.2	26098.5	27208.1	22504.2	16566.8	15026.4	15781.9	13987.7	13539.1
65°	14294.6	18909.9	26175.3	27314.3	22592.8	15457.3	11107.5	11190.1	9679.2	9301.5
67.5°	12164.0	16761.6	23838.1	24735.2	20155.2	12777.8	7365.7	7300.7	6351.7	6114.4
70°	10830.1	14684.1	20544.8	19771.6	16944.6	10800.6	4892.7	4054.7	3464.5	3316.9
72.5°	9732.4	11650.5	16649.5	13627.7	14058.5	8788.0	3110.3	2762.1	2304.1	2189.6
75°	8811.7	9637.9	10387.5	9419.6	9986.1	7241.7	2638.2	2130.6	1743.4	1646.7
77.5°	7011.5	7501.4	6149.9	5972.8	6993.8	5152.4	1310.2	897.1	783.8	755.5
80°	4172.7	3547.1	3488.1	3977.9	4656.7	2673.6	802.7	495.8	448.6	436.7
82.5°	2526.0	1280.7	1392.9	1758.8	2478.8	1215.8	478.1	212.5	188.9	183.0
85°	424.9	348.2	537.1	513.5	484.0	259.7	129.8	59.0	54.3	53.1
87.5°	11.8	17.7	23.6	29.5	29.5	29.5	29.5	29.5	34.2	35.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

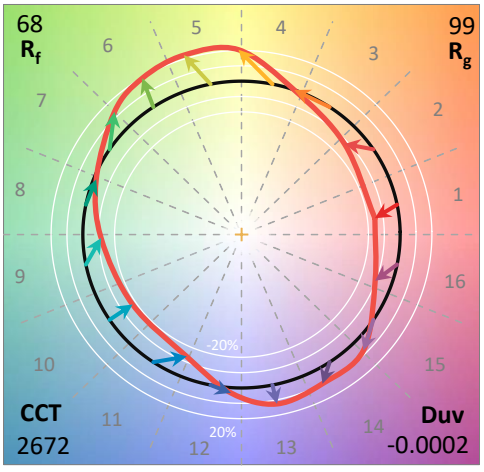
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

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



Test Conditions

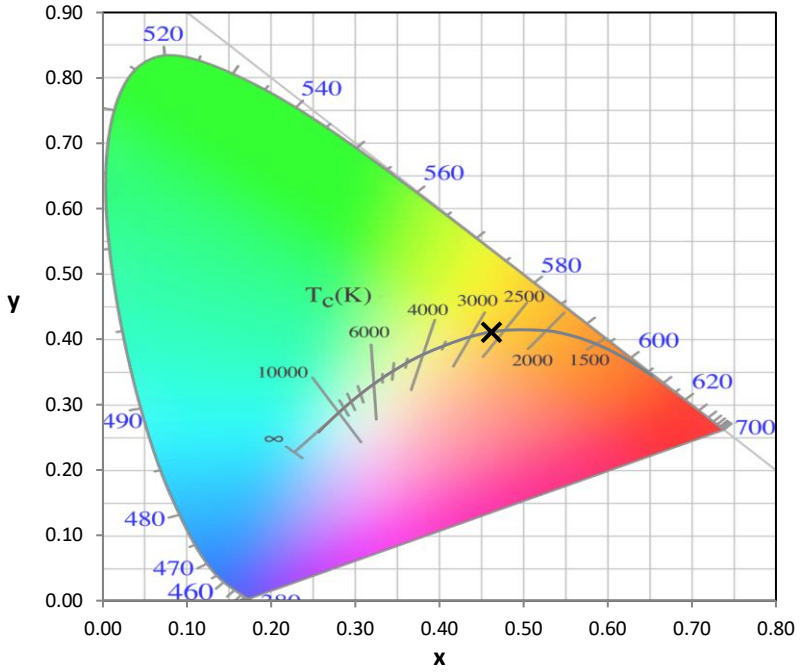
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

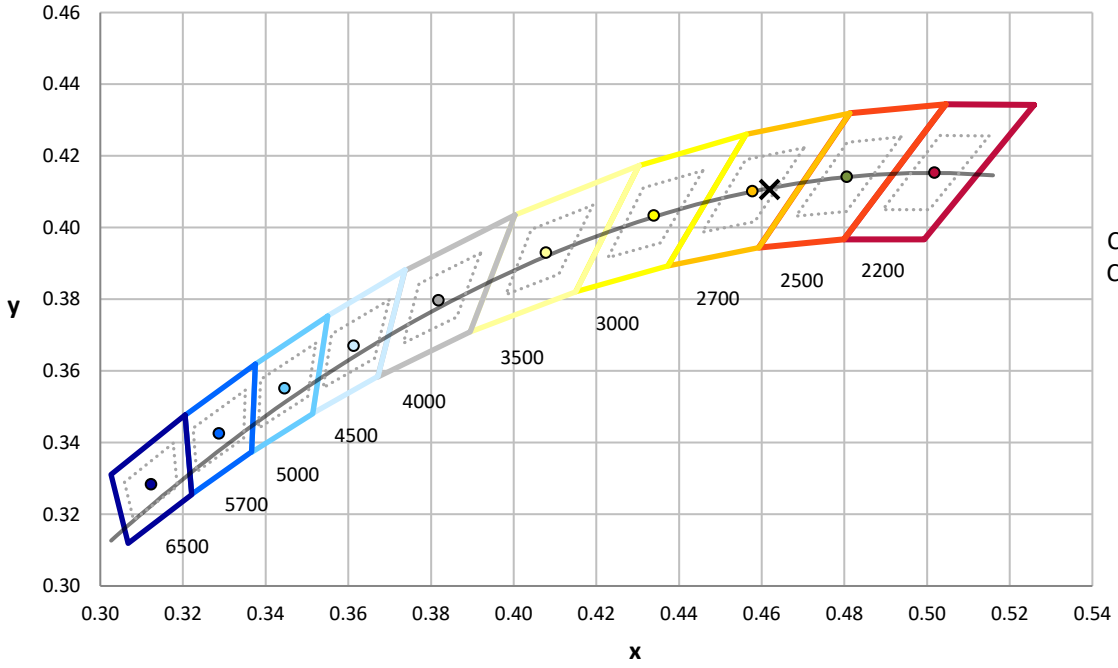
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

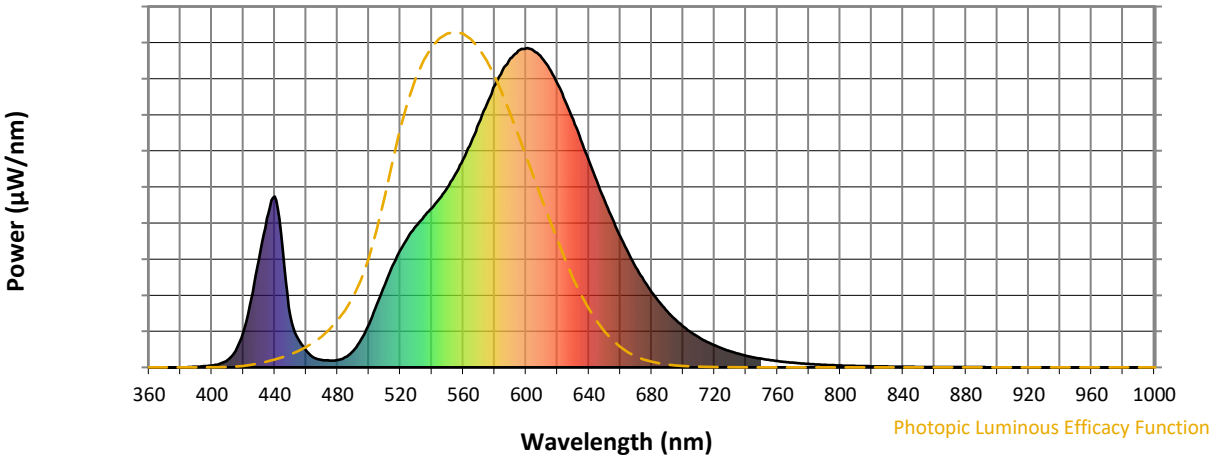


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

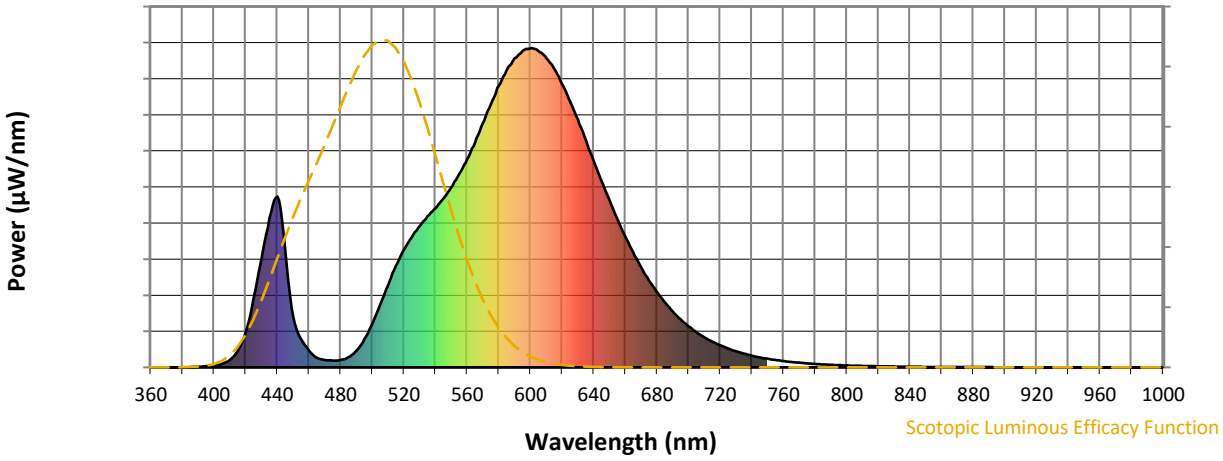


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

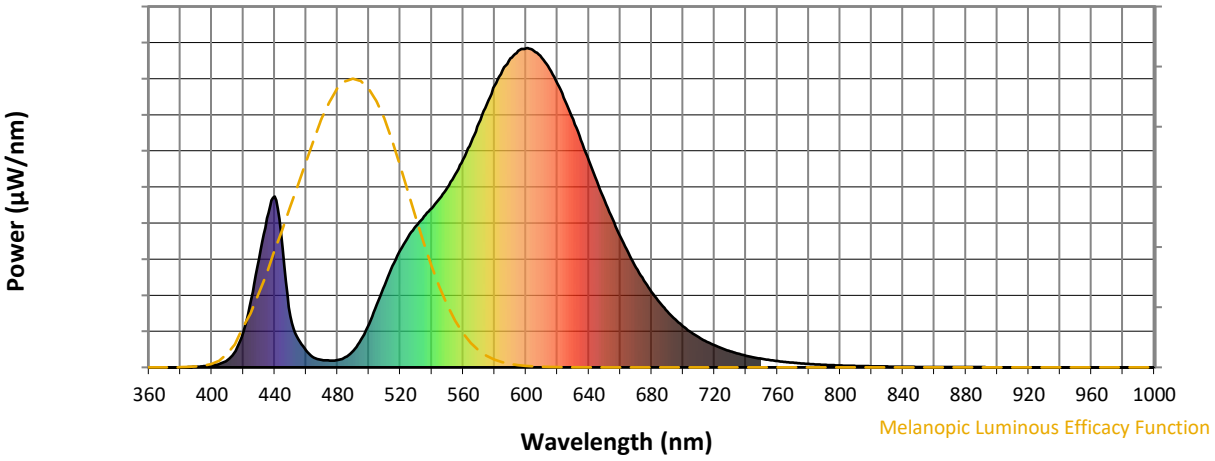


Scotopic Lumens: NR **S/P: 1.02**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

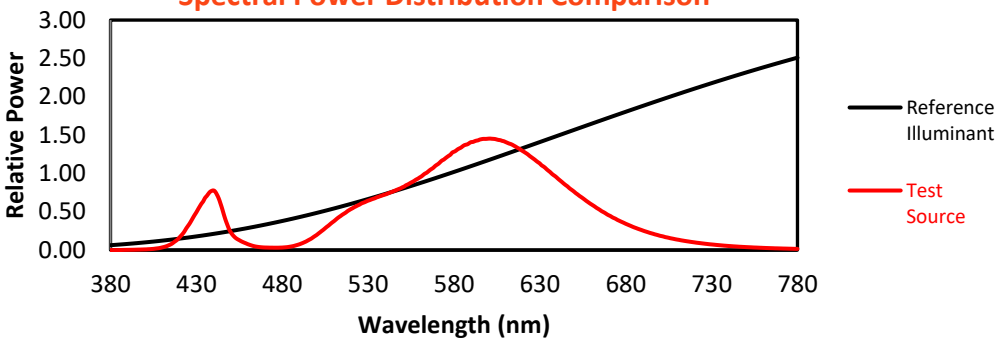
REPORT NUMBER: SP1-2407-184-3

TM-30-18

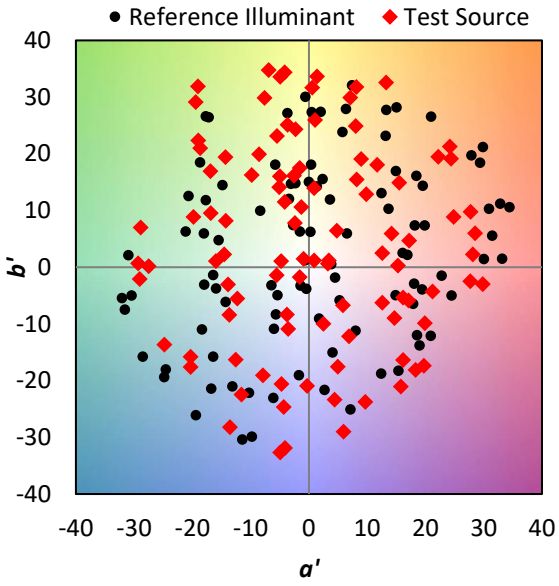
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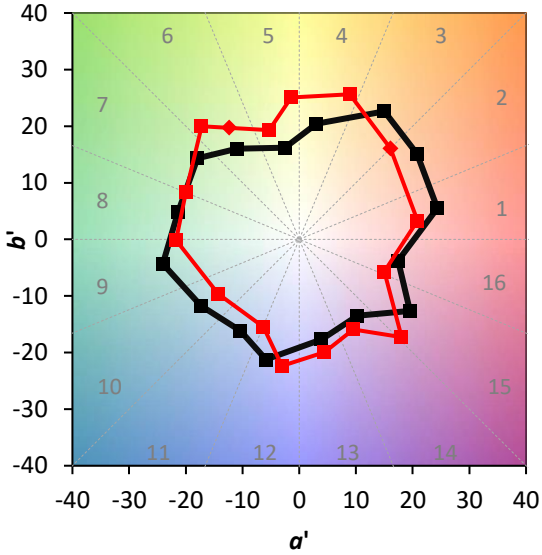
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

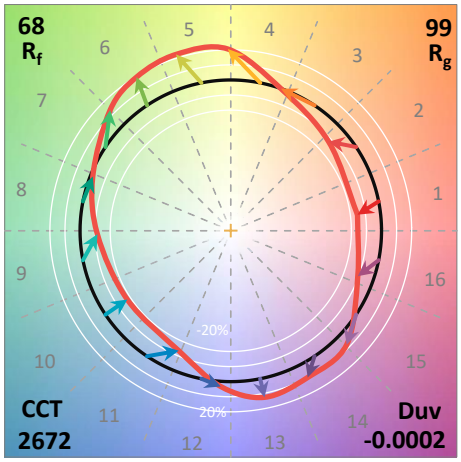
Spectral Power Distribution Comparison

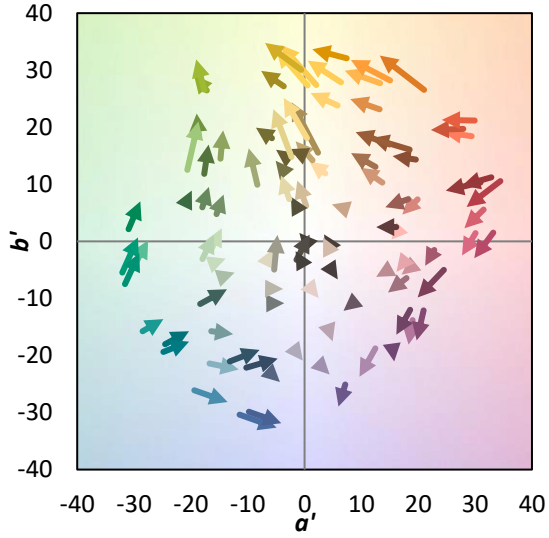


Color Vector Graphics







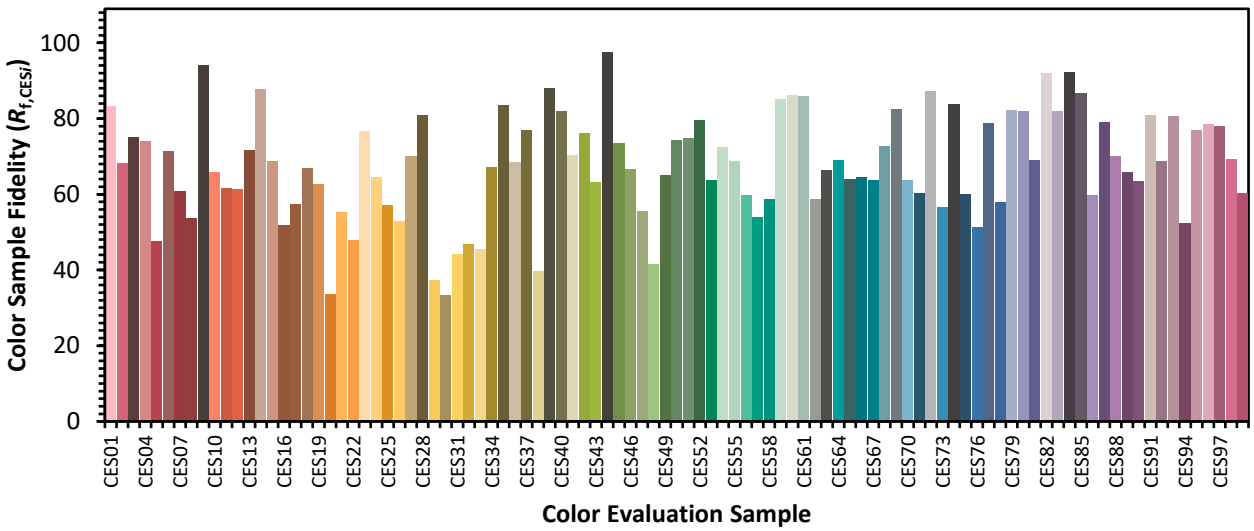


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

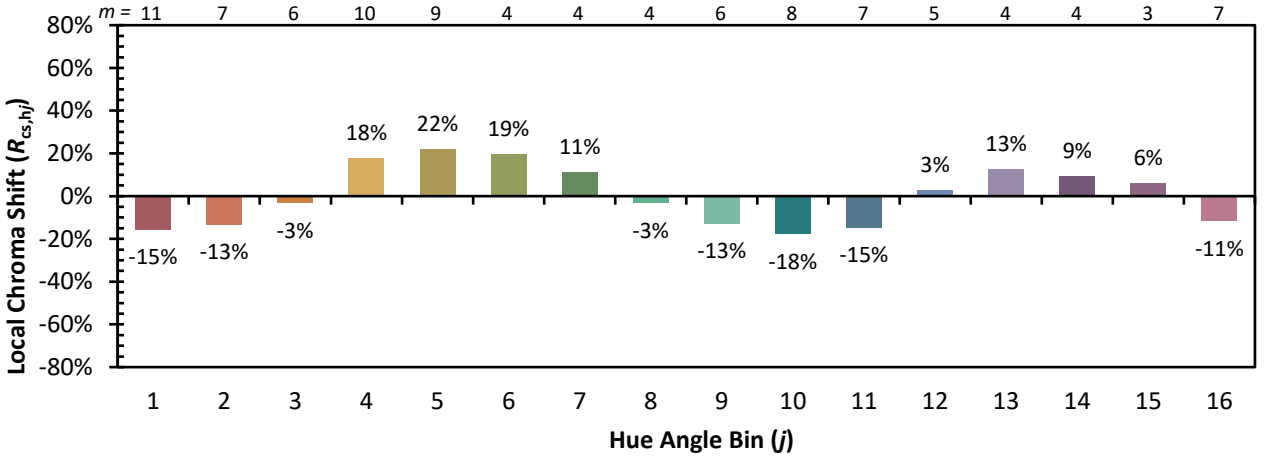
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57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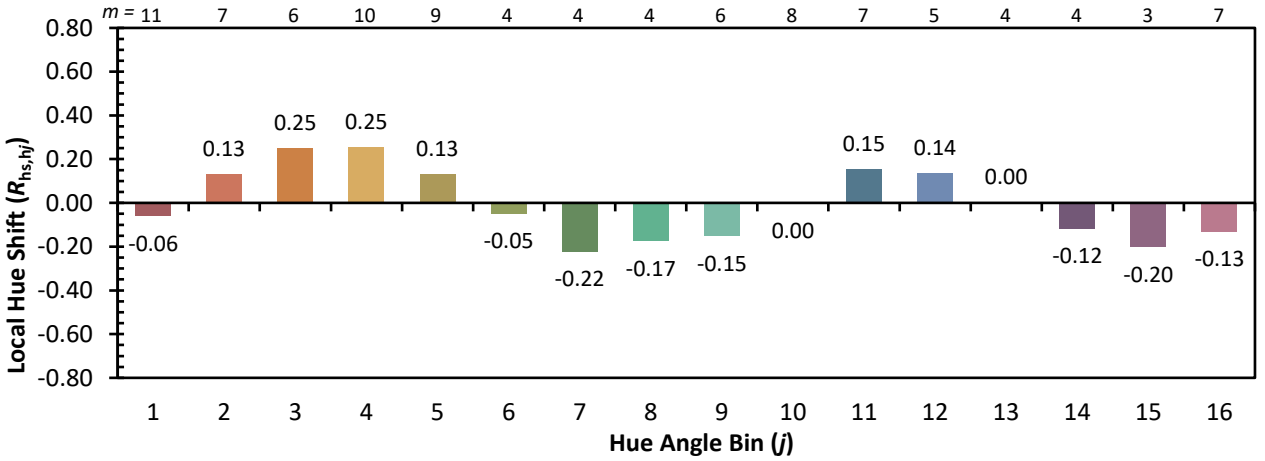


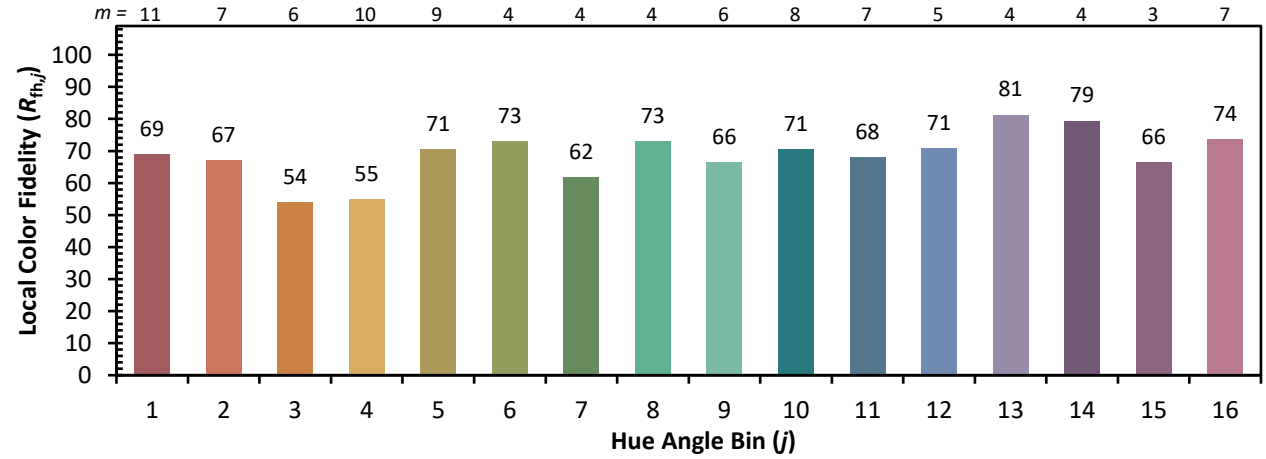
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



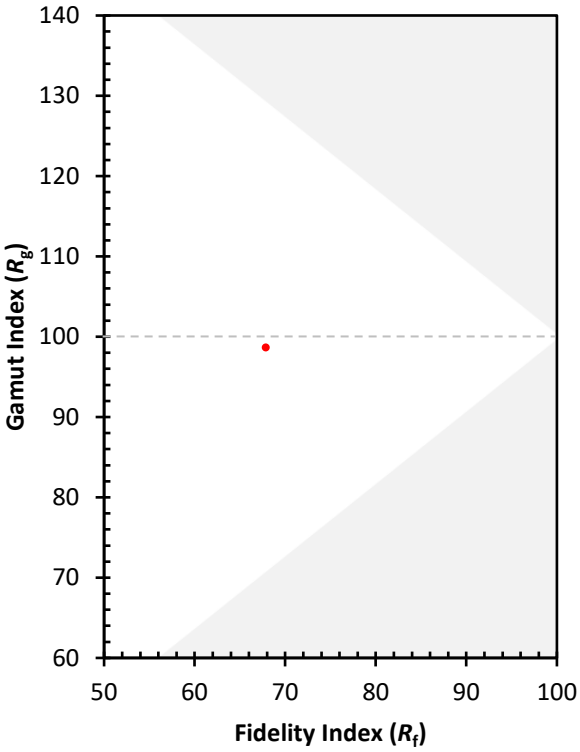


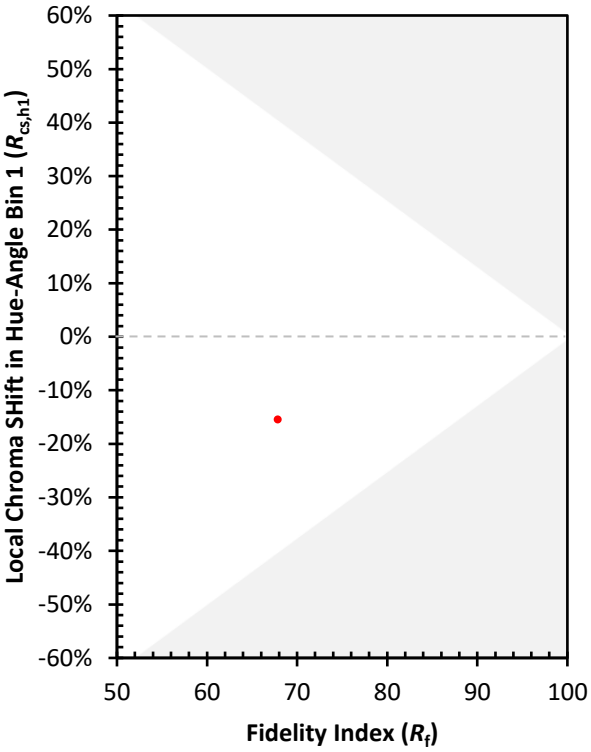


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)