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: P1501510

Luminaire Tested: GSS-SB5B-827-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:	P1501510
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23755.3 lumens
Efficiency:	N/A
Efficacy:	129.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

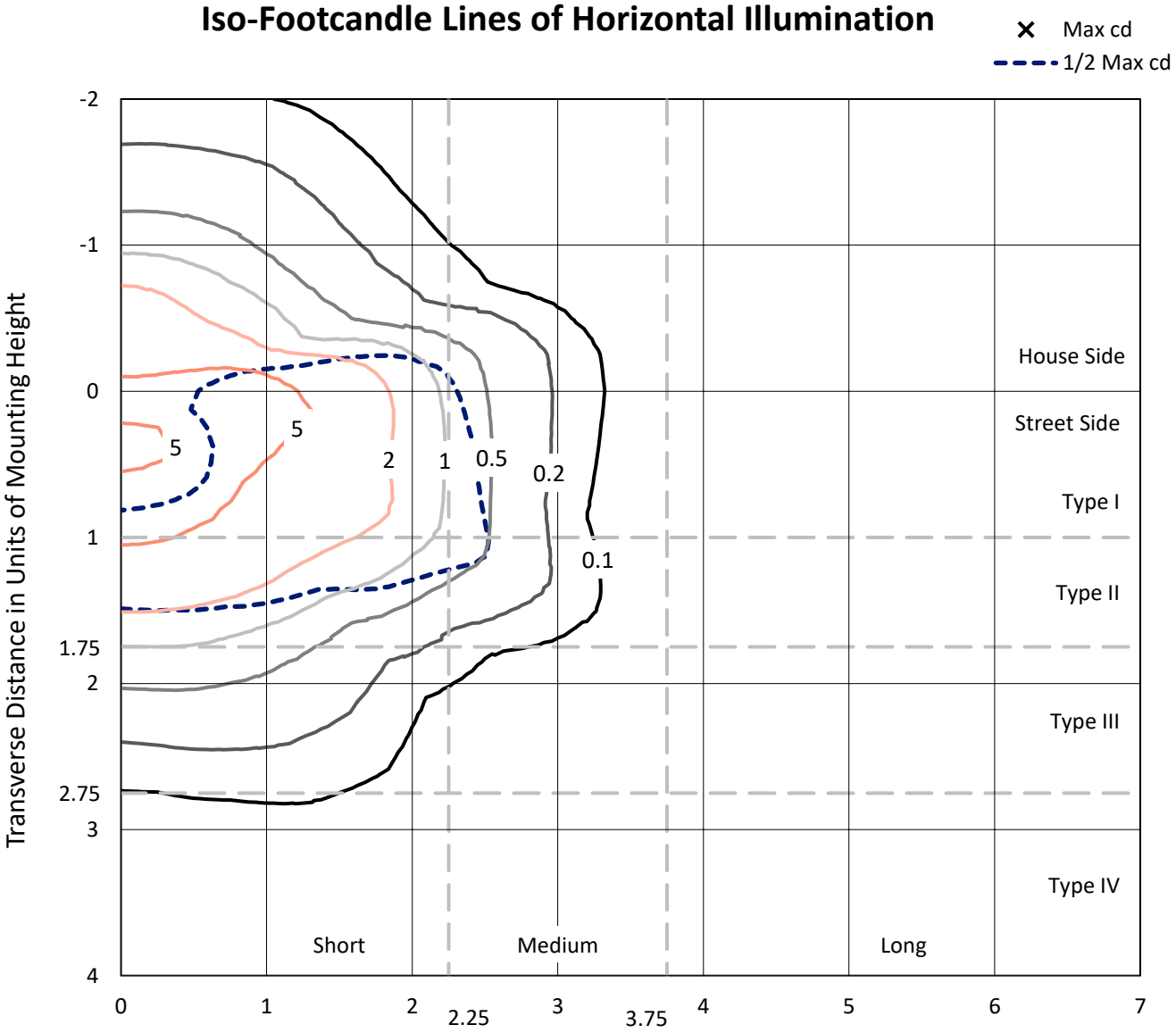
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



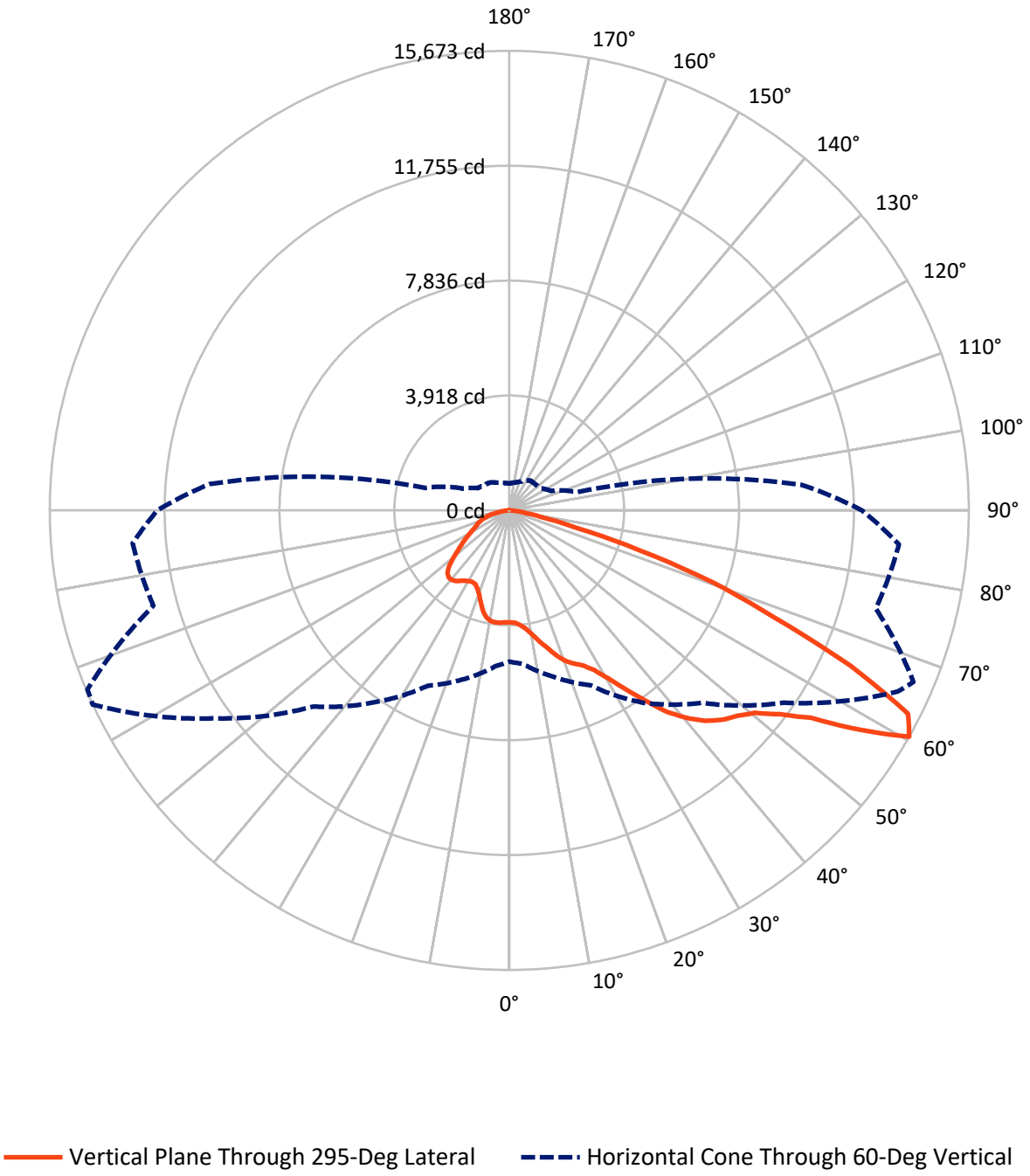
Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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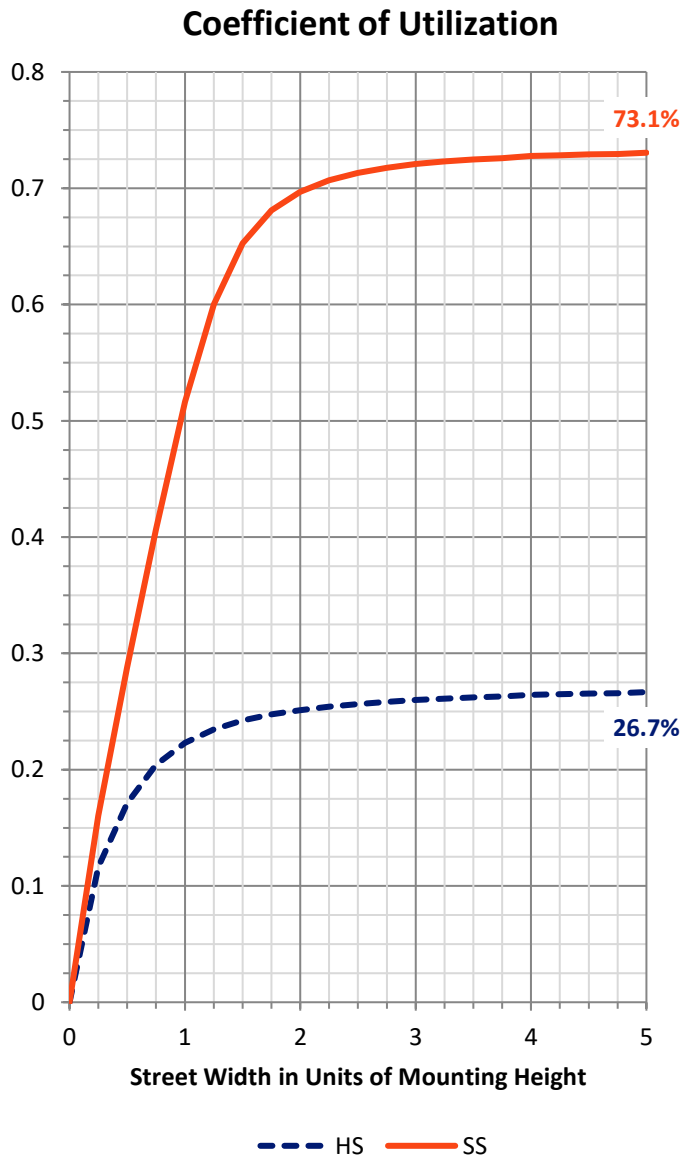
REPORT NUMBER: P1501510
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6388.1	0.0	6388.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	17367.2	0.0	17367.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	23755.3	0.0	23755.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.4	1.5
10°-20°	1033.1	4.3
20°-30°	1956.8	8.2
30°-40°	3449.8	14.5
40°-50°	5101.8	21.5
50°-60°	5990.9	25.2
60°-70°	4340.7	18.3
70°-80°	1338.6	5.6
80°-90°	184.3	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°	23755.3	100.0
0°-180°	23755.3	100.0



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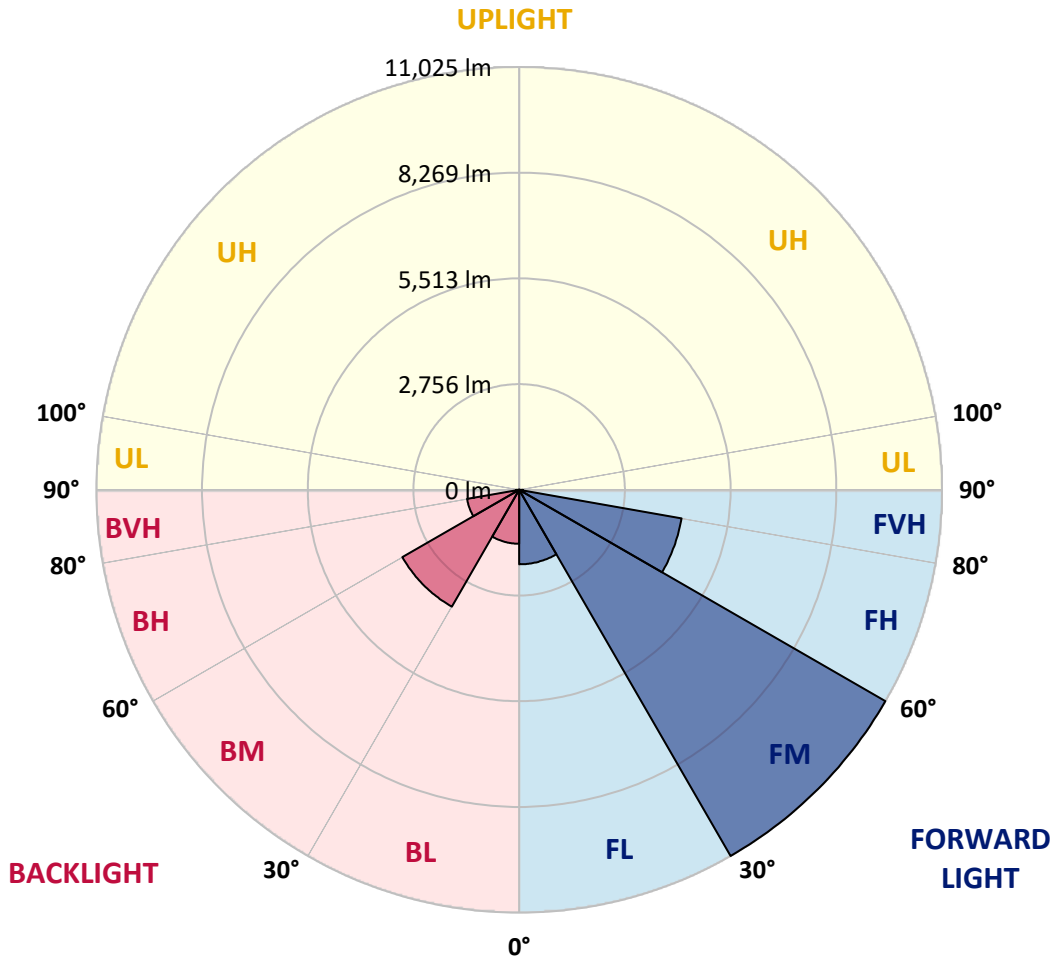
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1942.4	8.2			
FM	(30°-60°)	11025.0	46.4			
FH	(60°-80°)	4300.4	18.1			G2/5000
FVH	(80°-90°)	99.4	0.4			G1/100
BL	(0°-30°)	1406.9	5.9	B3/2500		
BM	(30°-60°)	3517.5	14.8	B3/5000		
BH	(60°-80°)	1378.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	84.9	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°	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1
2.5°	3897.9	3908.7	3892.5	3903.3	3903.3	3887.1	3881.7	3860.0	3870.8	3865.4	3860.0
5°	3989.9	3995.4	3984.5	4000.8	4000.8	4006.2	4000.8	3973.7	3973.7	3973.7	3962.9
7.5°	3962.9	3962.9	3968.3	4022.4	4076.6	4146.9	4146.9	4136.1	4146.9	4141.5	4092.8
10°	3735.5	3757.2	3805.9	3941.2	4071.2	4222.7	4325.6	4358.1	4358.1	4363.5	4282.3
12.5°	3329.5	3345.7	3459.4	3665.1	3935.8	4211.9	4460.9	4623.4	4639.6	4666.7	4558.4
15°	2966.7	2977.6	3058.8	3269.9	3578.5	4065.7	4536.7	4872.4	4926.5	5040.2	4877.8
17.5°	2999.2	2993.8	3015.5	3096.7	3318.6	3827.5	4520.5	5164.7	5262.2	5462.5	5321.7
20°	3194.1	3194.1	3210.4	3226.6	3307.8	3654.3	4401.4	5402.9	5592.4	5982.2	5819.8
22.5°	3502.7	3502.7	3497.3	3524.4	3524.4	3730.1	4406.8	5581.6	5863.1	6561.5	6404.5
25°	3930.4	3908.7	3908.7	3919.6	3870.8	4017.0	4542.2	5765.7	6133.8	7249.0	7113.7
27.5°	4412.2	4428.5	4417.6	4379.7	4314.8	4428.5	4867.0	6052.6	6437.0	7974.5	7920.3
30°	4937.4	4942.8	4953.6	4931.9	4877.8	4959.0	5375.9	6485.7	6837.6	8732.4	8851.5
32.5°	5451.7	5527.5	5500.4	5446.3	5467.9	5614.1	6003.9	7070.4	7433.1	9436.2	9858.5
35°	6106.7	6133.8	6242.1	6041.8	6047.2	6296.2	6805.1	7839.1	8191.0	10167.1	10865.4
37.5°	7059.6	7108.3	7059.6	6745.6	6696.8	7043.3	7584.7	8597.1	8851.5	10719.3	11802.0
40°	7996.1	8055.7	8136.9	7768.8	7460.2	7747.1	8321.0	9176.3	9441.6	11022.4	12424.6
42.5°	8770.3	8867.8	8781.1	8672.9	8391.3	8445.5	8835.3	9625.7	9891.0	11406.8	13052.6
45°	9425.4	9441.6	9479.5	9403.7	9263.0	9214.2	9273.8	10020.9	10313.2	11580.1	13361.2
47.5°	9696.1	9766.4	9798.9	9928.9	10075.0	9977.6	9647.3	10205.0	10470.2	11569.2	13458.6
50°	9549.9	9620.3	9793.5	10102.1	10454.0	10627.2	10085.9	10459.4	10757.2	11764.1	13658.9
52.5°	9165.5	9241.3	9522.8	9874.7	10464.8	10860.0	10703.0	10990.0	11276.9	12110.6	13994.6
55°	8234.3	8348.0	8743.2	9327.9	10140.0	10735.5	11352.7	11769.5	12083.5	12527.5	14341.1
57.5°	6880.9	7000.0	7443.9	8321.0	9539.1	10221.2	11542.2	13231.3	13372.0	13025.5	14373.6
60°	*5153.9*	*5251.4*	*5879.4*	*6583.1*	*8012.4*	*9279.2*	*11433.9*	*14617.2*	*14974.5*	*12938.9*	*13339.5*
62.5°	4082.0	4201.1	4758.7	5083.5	6106.7	7665.9	11054.9	15001.6	15310.1	12224.3	11899.5
65°	3188.7	3269.9	3789.6	4255.2	4504.3	5235.1	9474.1	13123.0	13399.1	11060.3	9820.6
67.5°	2106.0	2230.5	2847.6	3486.5	3616.4	3329.5	6518.2	10096.7	10226.6	8792.0	7384.4
70°	1510.4	1570.0	2030.2	2712.3	2907.2	2230.5	3551.4	7644.2	7682.1	5901.0	4975.3
72.5°	1028.6	1039.4	1380.5	2078.9	2317.1	1618.7	1954.4	5034.8	4904.9	2912.6	2847.6
75°	698.4	709.2	882.4	1385.9	1640.4	1126.1	1272.2	2744.8	2636.5	1607.9	1727.0
77.5°	471.0	481.8	606.3	931.2	1093.6	779.6	931.2	1450.9	1423.8	1066.5	925.8
80°	357.3	373.6	449.3	595.5	763.3	454.8	530.5	687.5	698.4	568.4	471.0
82.5°	200.3	222.0	270.7	303.2	492.7	254.4	254.4	411.4	395.2	351.9	254.4
85°	86.6	92.0	108.3	113.7	200.3	108.3	92.0	178.7	184.1	173.2	81.2
87.5°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	21.7	21.7	21.7	21.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1
2.5°	3832.9	3865.4	3832.9	3816.7	3816.7	3789.6	3778.8	3778.8	3740.9	3757.2	3746.3
5°	3919.6	3930.4	3892.5	3843.8	3778.8	3724.7	3648.9	3551.4	3491.9	3486.5	3491.9
7.5°	4054.9	4060.3	3957.5	3849.2	3686.8	3491.9	3259.1	3069.6	2901.8	2874.7	2907.2
10°	4244.4	4233.6	4082.0	3827.5	3486.5	3075.0	2717.7	2544.5	2447.0	2441.6	2436.2
12.5°	4498.8	4428.5	4195.7	3735.5	3140.0	2663.6	2479.5	2468.7	2495.7	2517.4	2522.8
15°	4791.2	4699.2	4287.7	3556.8	2788.1	2512.0	2522.8	2614.9	2647.3	2669.0	2669.0
17.5°	5153.9	5034.8	4390.6	3302.4	2609.4	2544.5	2620.3	2706.9	2761.0	2782.7	2777.3
20°	5635.7	5386.7	4471.8	3058.8	2560.7	2598.6	2663.6	2750.2	2804.3	2831.4	2831.4
22.5°	6117.6	5809.0	4488.0	2891.0	2560.7	2604.0	2663.6	2750.2	2809.7	2836.8	2831.4
25°	6772.6	6350.4	4493.4	2771.8	2566.1	2577.0	2631.1	2706.9	2793.5	2820.6	2831.4
27.5°	7471.0	6945.9	4520.5	2744.8	2544.5	2539.1	2577.0	2647.3	2734.0	2804.3	2809.7
30°	8337.2	7617.2	4531.3	2771.8	2549.9	2479.5	2506.6	2577.0	2669.0	2739.4	2761.0
32.5°	9187.2	8239.8	4509.7	2831.4	2560.7	2441.6	2447.0	2490.3	2587.8	2636.5	2674.4
35°	10085.9	8900.2	4471.8	2912.6	2566.1	2425.4	2376.6	2398.3	2463.3	2468.7	2484.9
37.5°	10789.6	9392.9	4358.1	3020.9	2577.0	2365.8	2268.4	2252.1	2225.1	2170.9	2181.7
40°	11368.9	9723.1	4168.6	3075.0	2549.9	2295.4	2133.0	2057.2	1954.4	1873.2	1889.4
42.5°	11785.8	9945.1	3941.2	3085.8	2506.6	2176.3	1976.0	1846.1	1732.4	1645.8	1651.2
45°	11969.8	9923.4	3697.6	3004.6	2403.7	2030.2	1829.9	1705.3	1580.8	1488.8	1478.0
47.5°	11975.3	9712.3	3362.0	2809.7	2230.5	1862.3	1694.5	1559.2	1456.3	1391.3	1385.9
50°	12018.6	9593.2	3048.0	2528.2	2003.1	1683.7	1575.4	1440.1	1380.5	1288.5	1261.4
52.5°	12289.3	9788.1	2831.4	2219.6	1792.0	1553.8	1472.5	1353.4	1256.0	1196.4	1191.0
55°	12727.8	10123.7	2712.3	1986.9	1591.6	1429.2	1375.1	1272.2	1185.6	1126.1	1109.8
57.5°	12781.9	10297.0	2571.5	1770.3	1429.2	1331.8	1310.1	1196.4	1071.9	1028.6	1012.4
60°	*12024.0*	*10004.6*	*2398.3*	*1570.0*	*1310.1*	*1256.0*	*1245.2*	*1093.6*	*990.7*	*936.6*	*914.9*
62.5°	10990.0	9273.8	2133.0	1385.9	1218.1	1180.2	1136.9	1017.8	887.9	828.3	812.1
65°	8981.4	7795.8	1813.6	1261.4	1126.1	1082.8	1071.9	909.5	822.9	790.4	785.0
67.5°	6805.1	6263.7	1597.1	1169.4	1028.6	1012.4	974.5	920.3	882.4	844.5	833.7
70°	4812.8	4520.5	1358.9	1050.3	931.2	904.1	1061.1	1001.5	866.2	817.5	812.1
72.5°	2918.0	2836.8	1174.8	942.0	801.2	844.5	979.9	904.1	779.6	720.0	698.4
75°	1840.7	1683.7	985.3	801.2	638.8	687.5	855.4	806.7	671.3	611.8	595.5
77.5°	1001.5	931.2	741.7	655.1	503.5	557.6	747.1	665.9	536.0	584.7	519.7
80°	438.5	487.2	492.7	379.0	335.7	411.4	536.0	519.7	411.4	416.9	346.5
82.5°	211.1	276.1	319.4	259.9	189.5	243.6	357.3	297.8	276.1	259.9	249.0
85°	65.0	102.9	140.8	124.5	86.6	102.9	167.8	162.4	194.9	167.8	157.0
87.5°	21.7	21.7	16.2	16.2	16.2	21.7	27.1	16.2	5.4	5.4	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°	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1
2.5°	3740.9	3746.3	3746.3	3751.7	3751.7	3768.0	3789.6	3811.3	3795.1	3816.7	3822.1
5°	3481.1	3508.1	3529.8	3611.0	3675.9	3730.1	3789.6	3843.8	3860.0	3870.8	3897.9
7.5°	2869.3	2945.1	3085.8	3269.9	3475.6	3675.9	3811.3	3952.1	3973.7	4000.8	4038.7
10°	2441.6	2474.1	2571.5	2761.0	3129.2	3524.4	3854.6	4076.6	4168.6	4222.7	4260.6
12.5°	2512.0	2490.3	2474.1	2501.2	2739.4	3248.3	3827.5	4255.2	4428.5	4488.0	4536.7
15°	2679.8	2658.2	2598.6	2522.8	2549.9	2955.9	3735.5	4423.0	4699.2	4796.6	4899.5
17.5°	2777.3	2755.6	2706.9	2625.7	2555.3	2712.3	3562.3	4574.6	5126.8	5245.9	5392.1
20°	2831.4	2809.7	2761.0	2679.8	2598.6	2620.3	3340.3	4764.1	5614.1	5803.6	6020.1
22.5°	2842.2	2815.2	2761.0	2679.8	2631.1	2614.9	3129.2	4877.8	6139.2	6431.6	6680.6
25°	2836.8	2788.1	2717.7	2658.2	2631.1	2625.7	2983.0	4942.8	6707.7	7173.2	7454.8
27.5°	2798.9	2739.4	2669.0	2625.7	2614.9	2647.3	2918.0	5018.6	7373.6	7969.1	8418.4
30°	2755.6	2669.0	2582.4	2566.1	2593.2	2696.1	2972.2	5045.6	8071.9	8835.3	9295.4
32.5°	2641.9	2577.0	2490.3	2484.9	2549.9	2734.0	3096.7	5007.7	8689.1	9701.5	10280.7
35°	2479.5	2441.6	2392.9	2409.1	2512.0	2766.4	3183.3	4888.6	9252.1	10508.1	11184.8
37.5°	2192.6	2219.6	2246.7	2284.6	2414.5	2761.0	3221.2	4699.2	9717.7	11152.4	12018.6
40°	1873.2	1965.2	2051.8	2149.3	2322.5	2717.7	3232.0	4466.4	9988.4	11639.6	12760.3
42.5°	1672.9	1759.5	1867.8	2008.5	2198.0	2620.3	3221.2	4206.5	10075.0	11975.3	13231.3
45°	1488.8	1591.6	1727.0	1873.2	2089.7	2479.5	3123.7	3925.0	10118.3	12132.3	13431.6
47.5°	1391.3	1450.9	1575.4	1721.6	1949.0	2306.3	2934.3	3719.3	10053.4	12164.7	13675.2
50°	1277.6	1358.9	1440.1	1580.8	1802.8	2089.7	2706.9	3600.2	10161.6	12484.2	14059.6
52.5°	1191.0	1234.3	1321.0	1450.9	1613.3	1889.4	2490.3	3502.7	10459.4	12809.0	14460.2
55°	1126.1	1174.8	1228.9	1337.2	1461.7	1689.1	2268.4	3356.5	10805.9	13155.5	14860.8
57.5°	1023.2	1055.7	1131.5	1245.2	1326.4	1494.2	2008.5	3183.3	10778.8	12884.8	14167.8
60°	*931.2*	*963.7*	*1044.9*	*1158.5*	*1207.3*	*1321.0*	*1754.1*	*2961.3*	*10259.1*	*12002.3*	*12890.2*
62.5°	828.3	866.2	963.7	1044.9	1088.2	1174.8	1488.8	2555.3	9176.3	10676.0	11396.0
65°	785.0	806.7	871.6	969.1	963.7	1044.9	1256.0	2008.5	7384.4	8158.6	8813.6
67.5°	833.7	866.2	855.4	882.4	866.2	909.5	1126.1	1613.3	5803.6	6144.6	6523.6
70°	822.9	898.7	936.6	882.4	757.9	806.7	974.5	1288.5	4152.4	4119.9	4103.6
72.5°	720.0	795.8	904.1	958.2	741.7	671.3	844.5	1115.2	2663.6	2652.7	2398.3
75°	611.8	665.9	795.8	866.2	638.8	541.4	725.4	947.4	1591.6	1613.3	1440.1
77.5°	563.0	536.0	665.9	763.3	519.7	416.9	584.7	714.6	877.0	887.9	822.9
80°	406.0	389.8	498.1	557.6	395.2	297.8	330.2	443.9	471.0	422.3	438.5
82.5°	259.9	265.3	297.8	357.3	243.6	162.4	227.4	297.8	254.4	205.7	243.6
85°	167.8	189.5	157.0	184.1	75.8	75.8	97.4	129.9	86.6	59.6	65.0
87.5°	0.0	0.0	10.8	21.7	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: P1501510
CATALOG NUMBER: GSS-SB5B-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3822.1	3822.1	*3822.1*	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1	3822.1
2.5°	3838.4	3832.9	*3832.9*	3843.8	3870.8	3881.7	3897.9	3892.5	3908.7	3897.9
5°	3914.2	3919.6	*3935.8*	3941.2	3957.5	3979.1	3984.5	3979.1	3989.9	3989.9
7.5°	4065.7	4087.4	*4076.6*	4103.6	4082.0	4054.9	4011.6	3979.1	3952.1	3962.9
10°	4320.2	4309.4	*4303.9*	4255.2	4157.8	4017.0	3903.3	3778.8	3757.2	3735.5
12.5°	4601.7	4590.9	*4590.9*	4423.0	4146.9	3854.6	3594.7	3399.8	3334.9	3329.5
15°	4996.9	4926.5	*4861.6*	4509.7	3957.5	3459.4	3156.2	3004.6	2966.7	2966.7
17.5°	5489.6	5305.5	*5197.2*	4444.7	3648.9	3199.5	3020.9	2983.0	2972.2	2999.2
20°	6101.3	5635.7	*5478.7*	4298.5	3535.2	3232.0	3145.4	3150.8	3156.2	3194.1
22.5°	6772.6	5938.9	*5679.0*	4298.5	3648.9	3437.7	3394.4	3454.0	3470.2	3502.7
25°	7519.7	6209.6	*5857.7*	4525.9	3984.5	3827.5	3773.4	3832.9	3876.3	3930.4
27.5°	8358.9	6491.1	*6166.3*	4937.4	4417.6	4320.2	4260.6	4287.7	4347.3	4412.2
30°	9111.4	6962.1	*6637.3*	5565.4	5007.7	4888.6	4785.8	4829.1	4894.0	4937.4
32.5°	9777.3	7536.0	*7259.9*	6225.8	5684.5	5478.7	5365.0	5354.2	5484.1	5451.7
35°	10389.0	8212.7	*7947.4*	6978.3	6372.0	6117.6	5966.0	6160.9	6074.2	6106.7
37.5°	10870.8	8916.5	*8705.3*	7698.4	7086.6	6740.1	6648.1	6886.3	7021.7	7059.6
40°	11266.1	9528.2	*9306.3*	8413.0	7741.7	7487.2	7633.4	8028.6	8012.4	7996.1
42.5°	11569.2	10053.4	*9809.7*	8954.4	8369.7	8418.4	8532.1	8797.4	8862.3	8770.3
45°	11704.6	10383.6	*10188.7*	9382.1	9084.3	9365.8	9414.5	9528.2	9484.9	9425.4
47.5°	11861.6	10676.0	*10470.2*	9771.9	9858.5	10134.6	10037.1	9945.1	9788.1	9696.1
50°	12126.8	11022.4	*10849.2*	10340.3	10654.3	10562.3	10183.3	9977.6	9658.2	9549.9
52.5°	12630.3	11677.5	*11547.6*	11239.0	11027.8	10497.3	10037.1	9669.0	9311.7	9165.5
55°	13079.7	12565.4	*12489.6*	12078.1	10914.2	10156.2	9539.1	8970.6	8358.9	8234.3
57.5°	13339.5	14037.9	*14124.5*	12435.4	10394.4	9382.1	8472.5	7563.0	6983.8	6880.9
60°	*12565.4*	*15629.6*	*15672.9*	*12365.0*	*9457.9*	*7985.3*	*6599.4*	*5955.1*	*5332.6*	*5153.9*
62.5°	11498.8	15299.3	*15261.4*	11942.8	7530.6	5825.2	5013.2	4710.0	4228.2	4082.0
65°	9885.5	12744.0	*12787.3*	10318.6	5007.7	4211.9	4211.9	3827.5	3291.6	3188.7
67.5°	8055.7	9826.0	*9728.5*	6691.4	3075.0	3372.8	3535.2	2983.0	2230.5	2106.0
70°	5235.1	7503.5	*7368.1*	3860.0	1932.7	2809.7	2782.7	2241.3	1597.1	1510.4
72.5°	2252.1	4336.4	*4612.5*	1970.6	1456.3	2263.0	2219.6	1570.0	1066.5	1028.6
75°	1358.9	2181.7	*2376.6*	1256.0	1061.1	1705.3	1537.5	996.1	725.4	698.4
77.5°	860.8	1196.4	*1185.6*	942.0	795.8	1153.1	1034.0	687.5	492.7	471.0
80°	498.1	590.1	*611.8*	590.1	536.0	822.9	660.5	498.1	384.4	357.3
82.5°	319.4	368.1	*373.6*	286.9	297.8	530.5	357.3	292.3	222.0	200.3
85°	140.8	157.0	*151.6*	97.4	97.4	216.6	124.5	119.1	86.6	86.6
87.5°	5.4	10.8	*5.4*	5.4	5.4	21.7	10.8	16.2	16.2	16.2
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

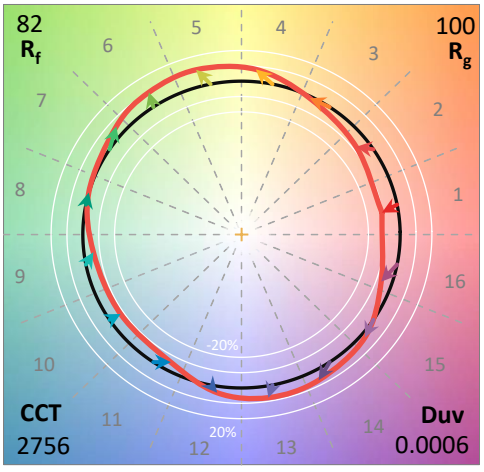
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

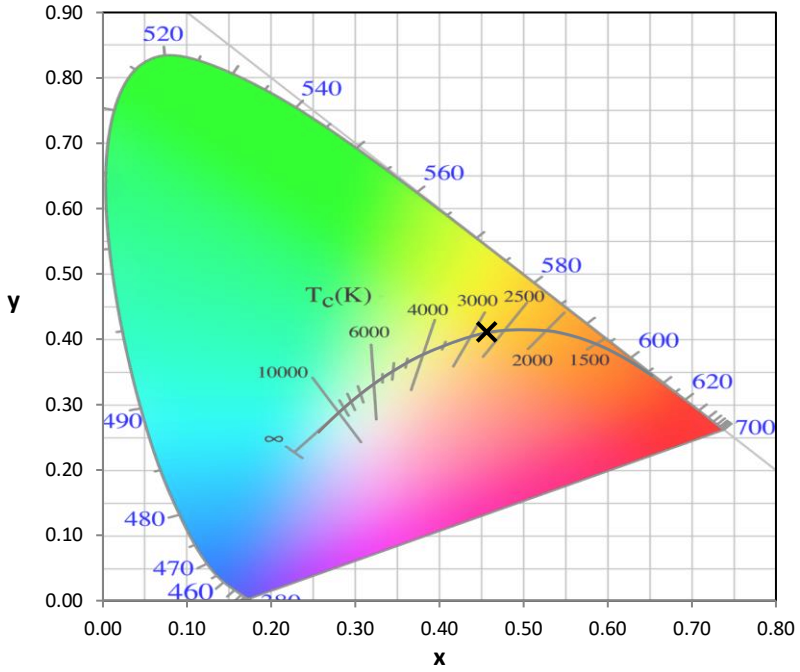
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

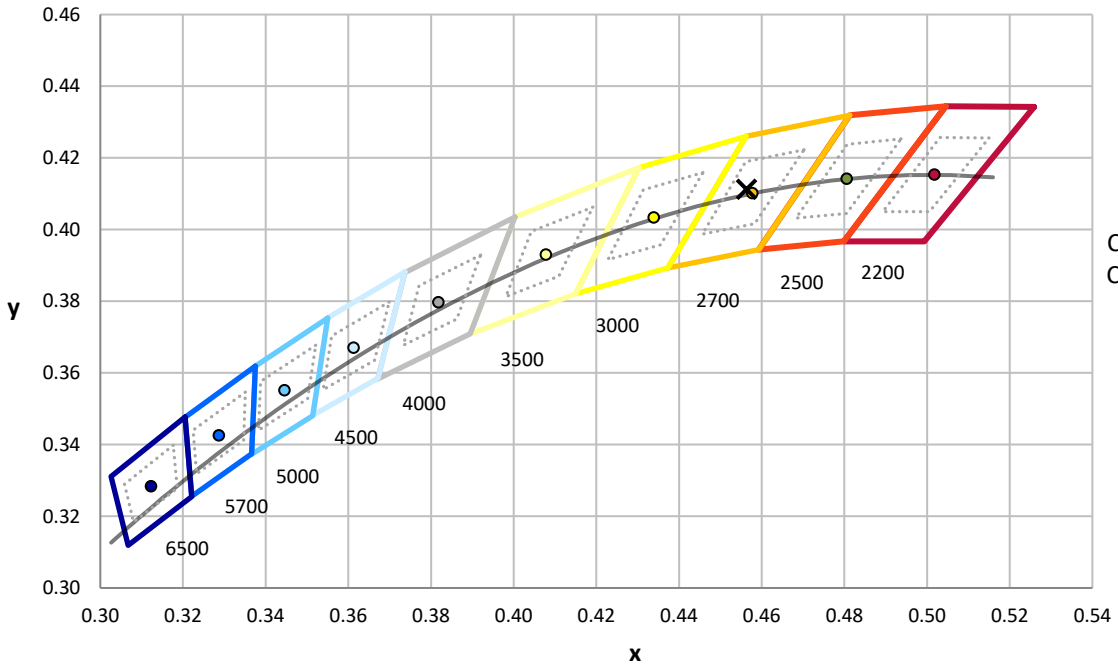
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

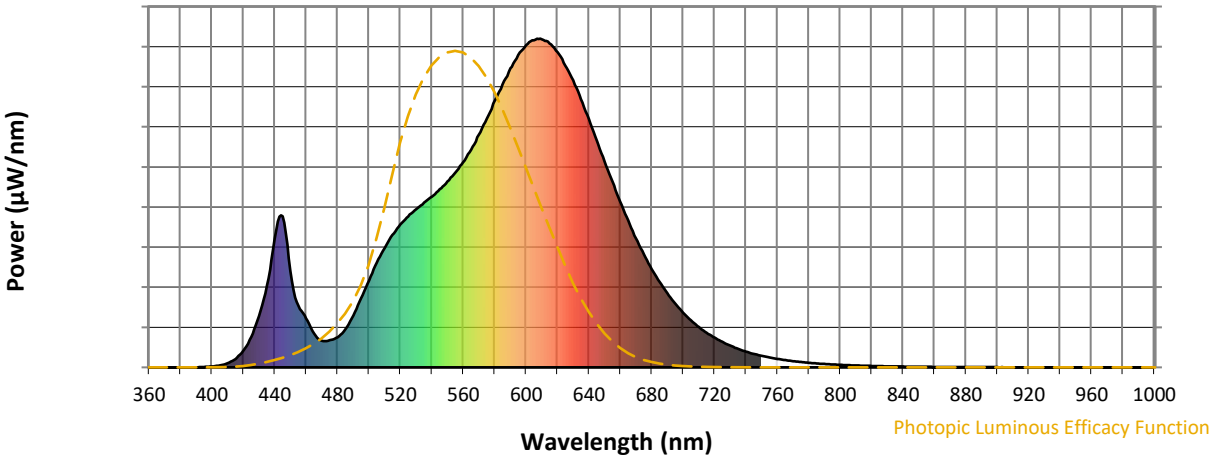


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

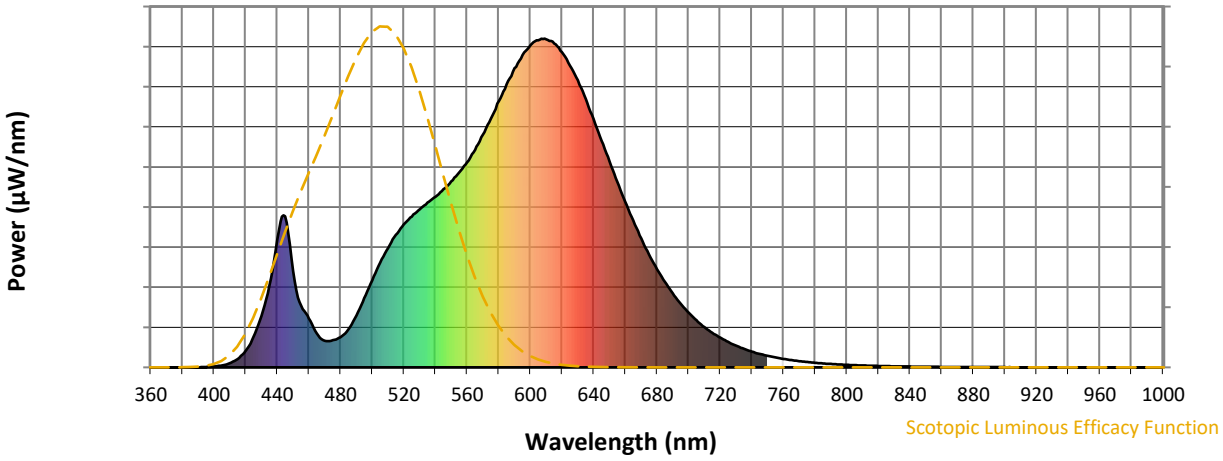


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

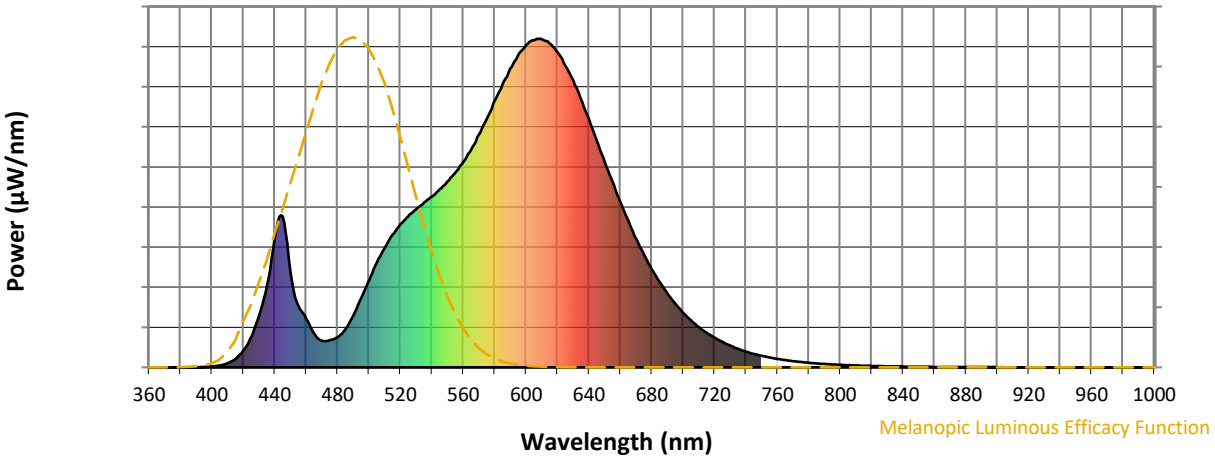


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

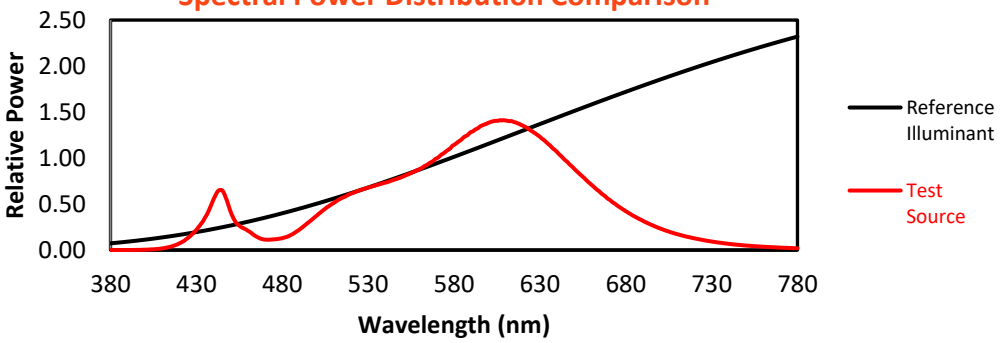
REPORT NUMBER: SP1-2407-184-8

TM-30-18

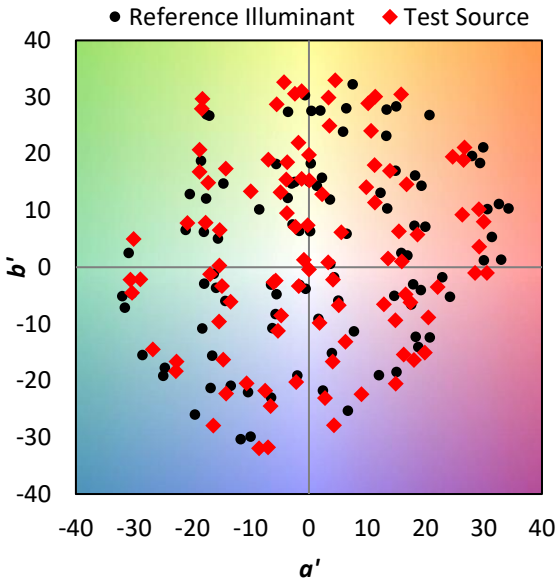
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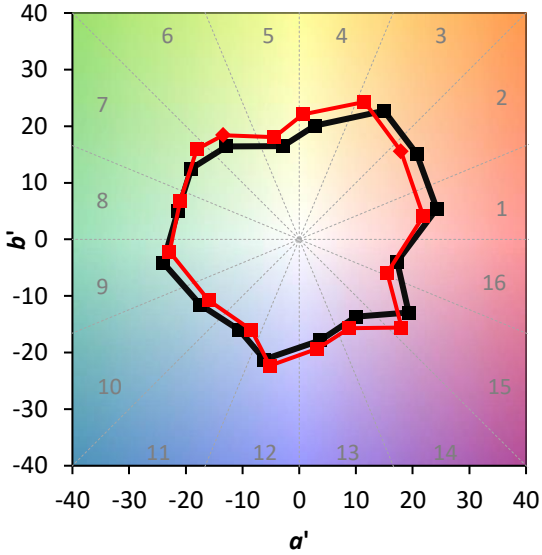
R_f = 82.2
R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

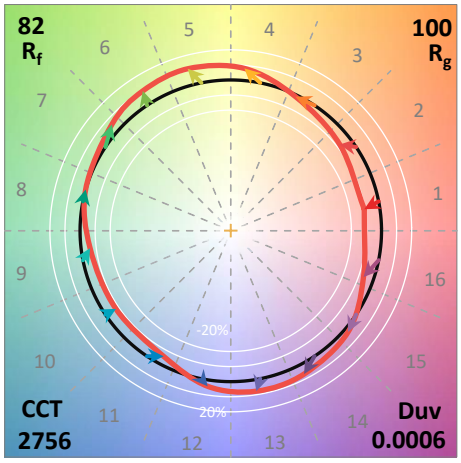
Spectral Power Distribution Comparison

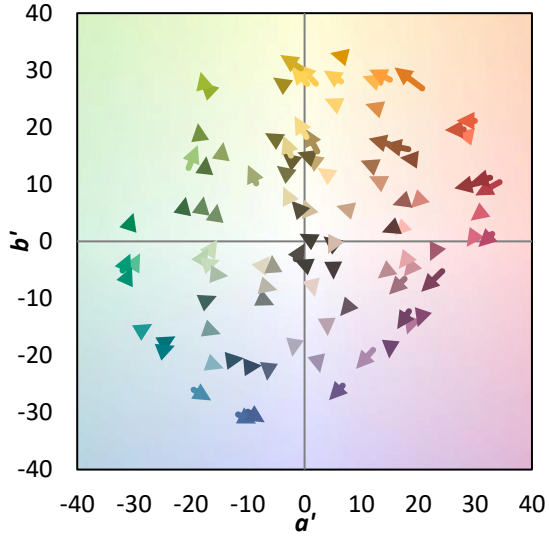


Color Vector Graphics







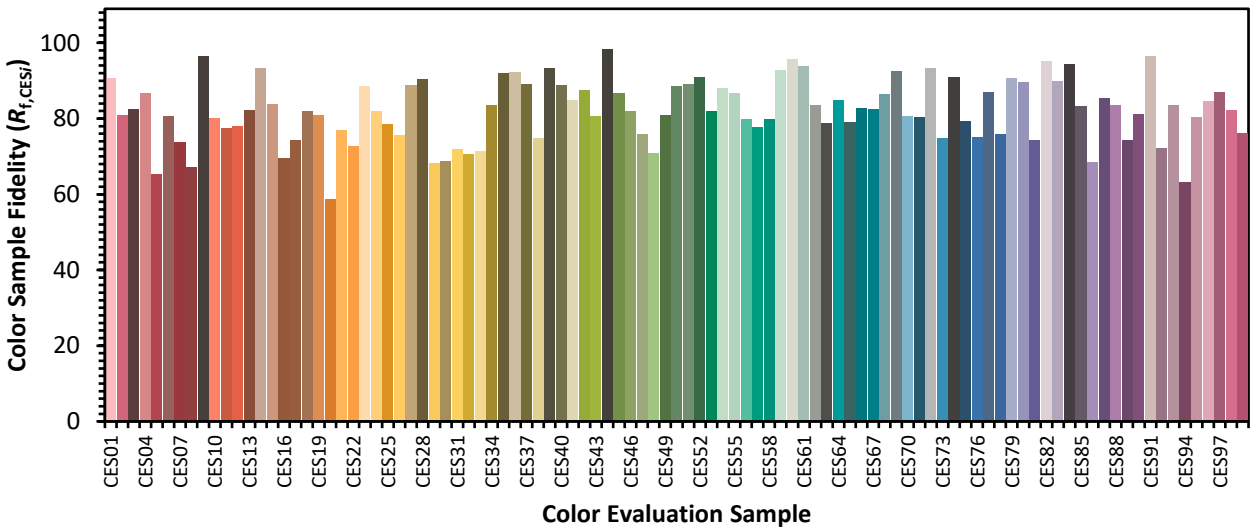


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Individual Sample Fidelity Index ($R_{f,i}$)

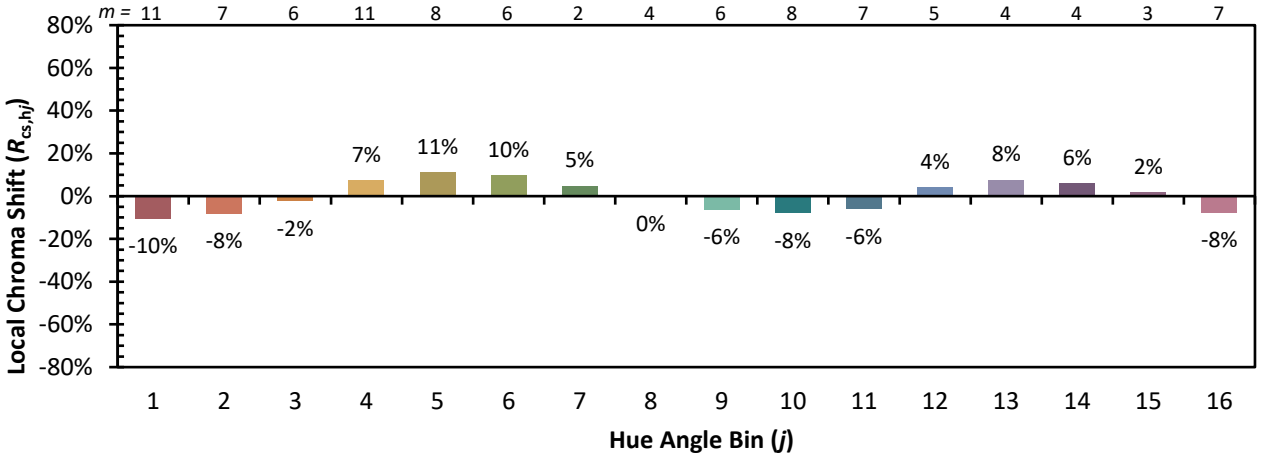
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

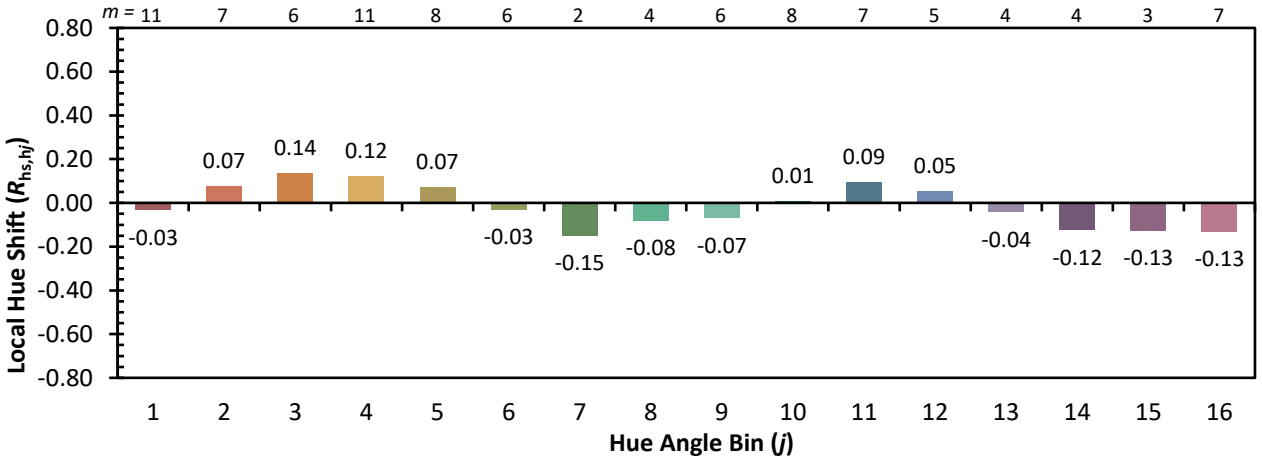


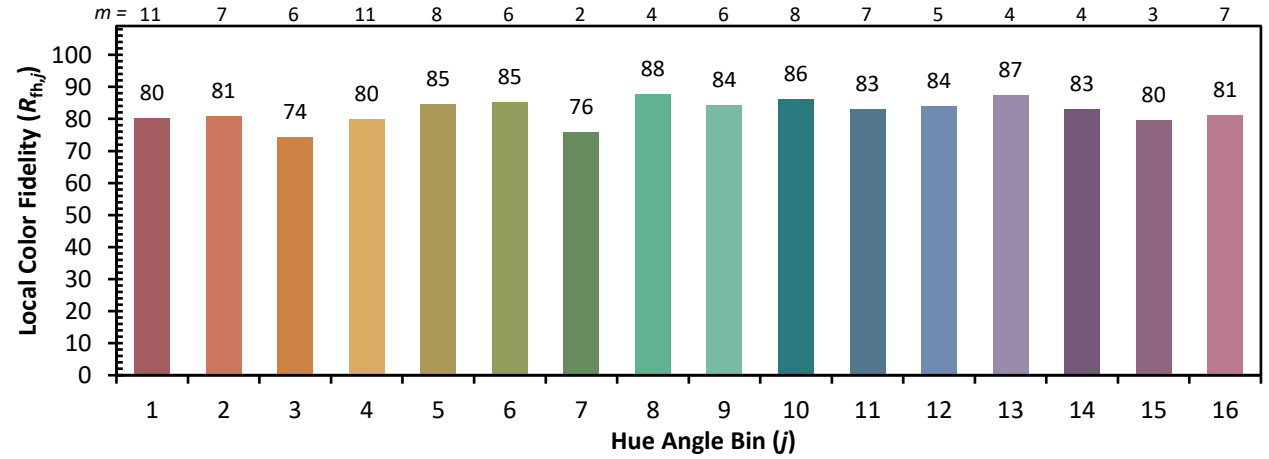
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Color Rendition by Hue-Angle Bin



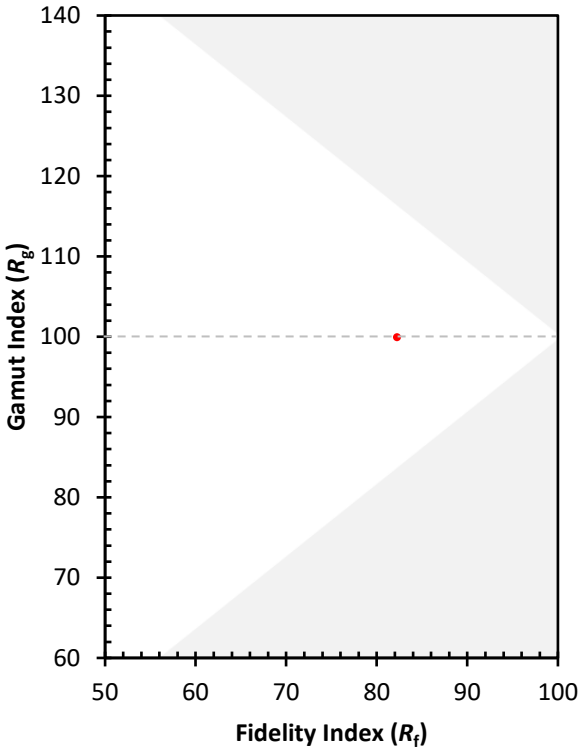


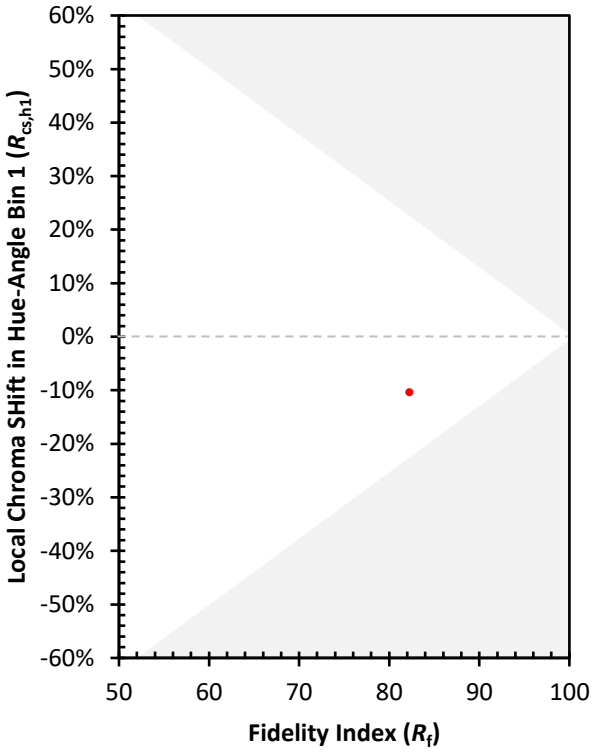


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Measure Comparisons





(END OF REPORT)