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: P1501511

Luminaire Tested: GSS-SB5C-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:	P1501511
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 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:	31327.4 lumens
Efficiency:	N/A
Efficacy:	124.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

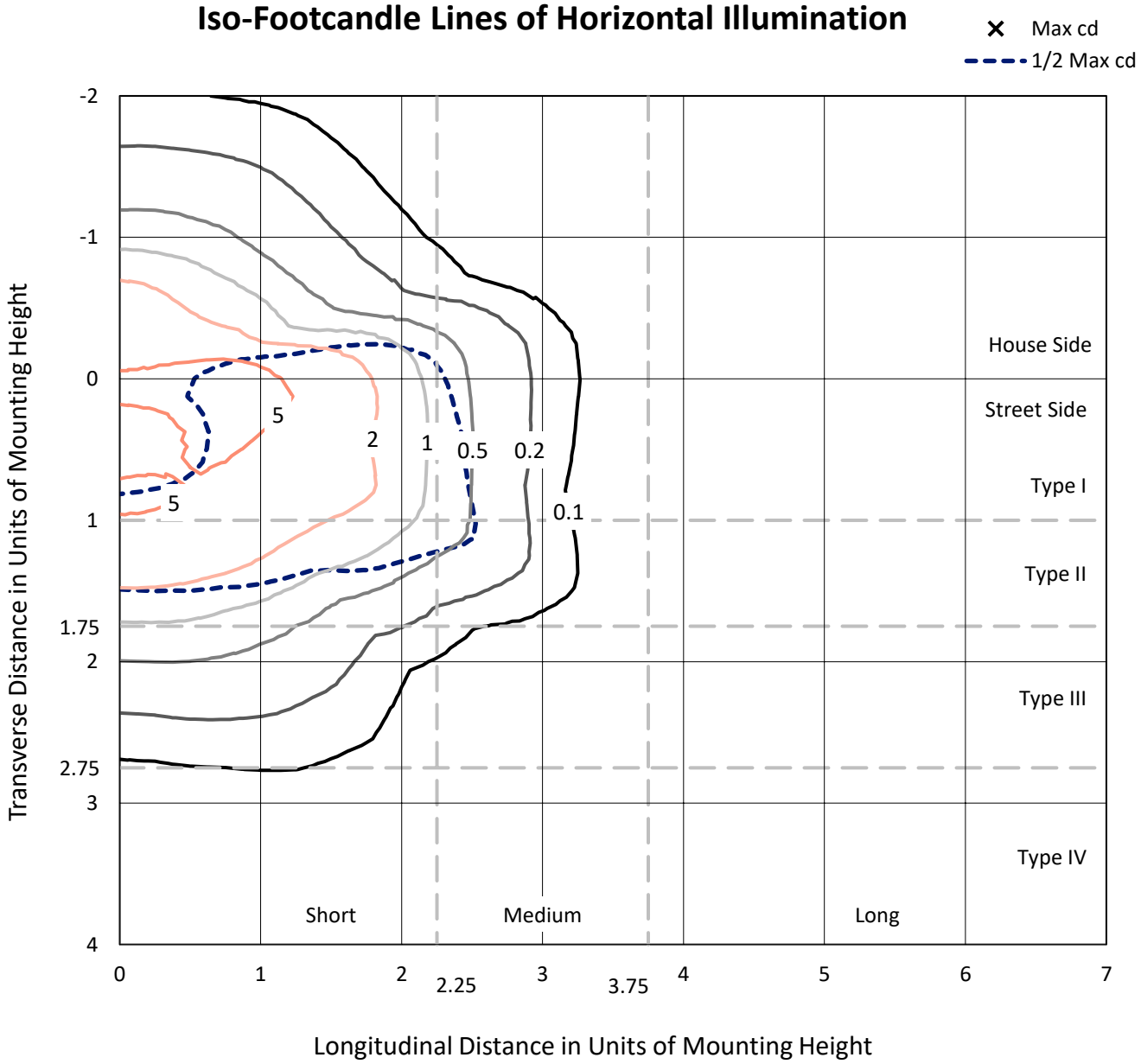
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



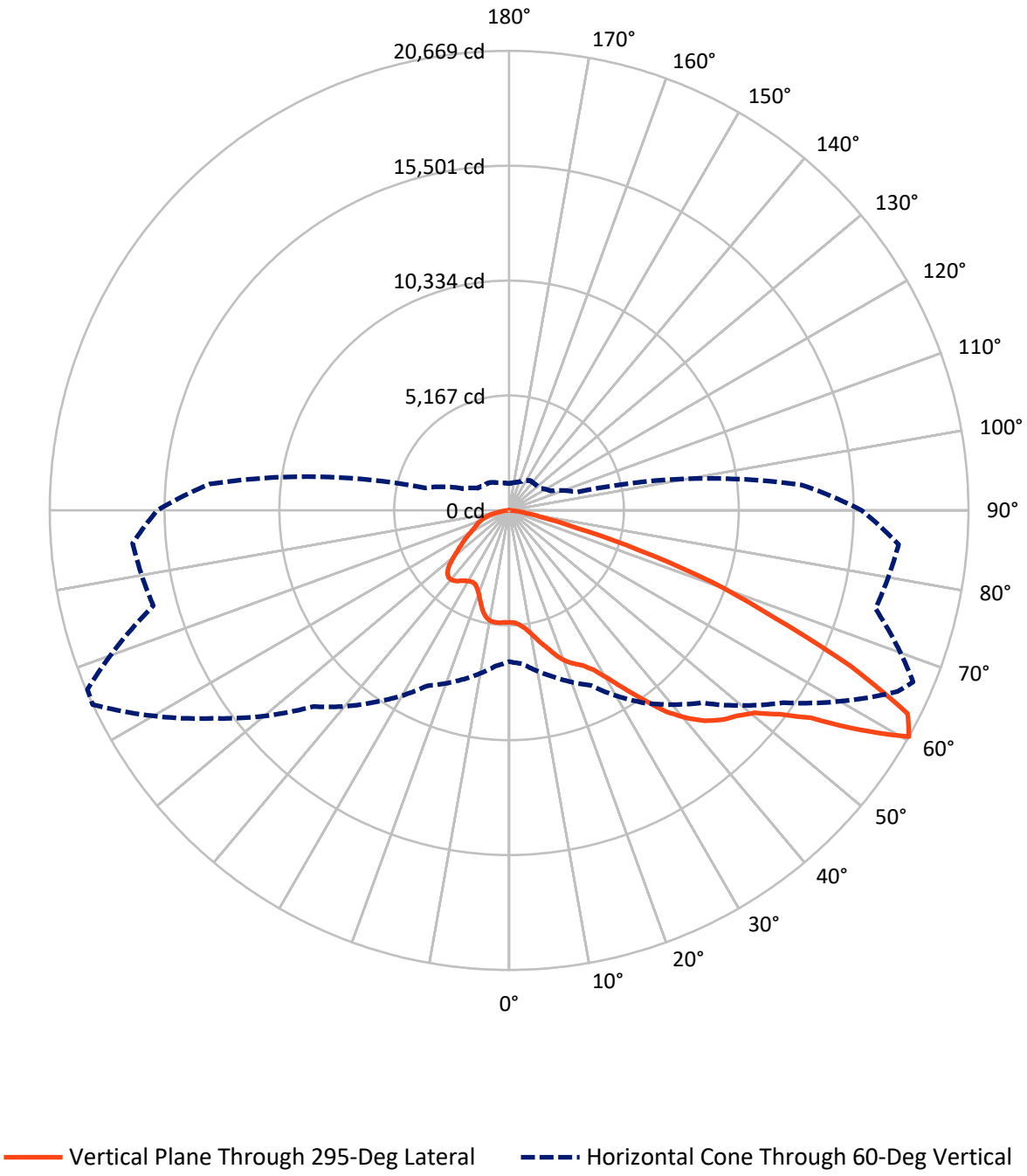
Based on 30 foot mounting height. Maximum calculated value = 8.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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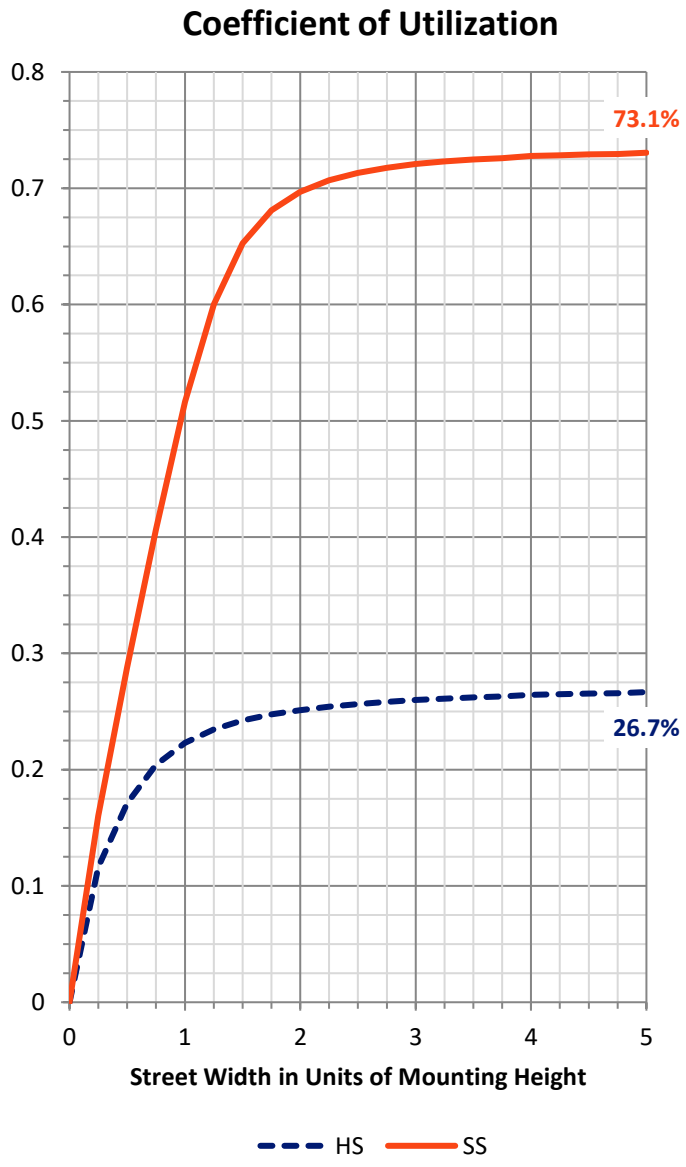
REPORT NUMBER: P1501511
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8424.3	0.0	8424.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	22903.1	0.0	22903.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	31327.4	0.0	31327.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.9	1.5
10°-20°	1362.4	4.3
20°-30°	2580.5	8.2
30°-40°	4549.4	14.5
40°-50°	6728.0	21.5
50°-60°	7900.5	25.2
60°-70°	5724.3	18.3
70°-80°	1765.3	5.6
80°-90°	243.0	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°	31327.4	100.0
0°-180°	31327.4	100.0



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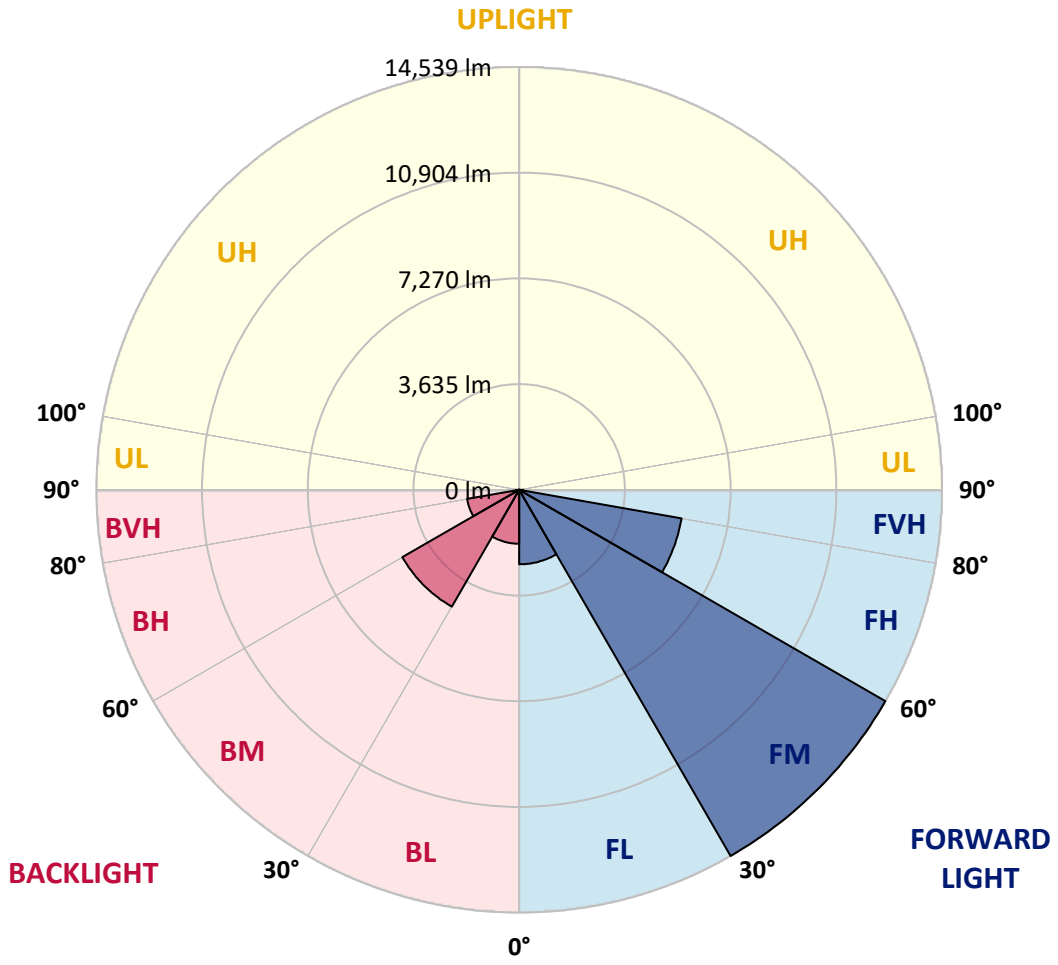
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2561.5	8.2			
FM	(30°-60°)	14539.2	46.4			
FH	(60°-80°)	5671.2	18.1			G3/7500
FVH	(80°-90°)	131.1	0.4			G2/225
BL	(0°-30°)	1855.3	5.9	B3/2500		
BM	(30°-60°)	4638.7	14.8	B3/5000		
BH	(60°-80°)	1818.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	111.9	0.4			G2/225
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°	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4
2.5°	5140.4	5154.7	5133.2	5147.5	5147.5	5126.1	5119.0	5090.4	5104.7	5097.5	5090.4
5°	5261.7	5268.9	5254.6	5276.0	5276.0	5283.2	5276.0	5240.3	5240.3	5240.3	5226.1
7.5°	5226.1	5226.1	5233.2	5304.6	5376.0	5468.8	5468.8	5454.5	5468.8	5461.7	5397.4
10°	4926.2	4954.8	5019.0	5197.5	5368.8	5568.7	5704.4	5747.2	5747.2	5754.4	5647.3
12.5°	4390.7	4412.2	4562.1	4833.4	5190.4	5554.5	5882.9	6097.1	6118.5	6154.2	6011.4
15°	3912.4	3926.7	4033.8	4312.2	4719.2	5361.7	5982.8	6425.5	6496.9	6646.8	6432.6
17.5°	3955.2	3948.1	3976.7	4083.7	4376.5	5047.6	5961.4	6811.0	6939.5	7203.7	7018.0
20°	4212.3	4212.3	4233.7	4255.1	4362.2	4819.1	5804.3	7125.1	7375.0	7889.1	7674.9
22.5°	4619.2	4619.2	4612.1	4647.8	4647.8	4919.1	5811.5	7360.7	7732.0	8653.0	8445.9
25°	5183.2	5154.7	5154.7	5168.9	5104.7	5297.4	5990.0	7603.5	8089.0	9559.7	9381.2
27.5°	5818.6	5840.0	5825.8	5775.8	5690.1	5840.0	6418.3	7981.9	8488.8	10516.4	10445.0
30°	6511.1	6518.3	6532.6	6504.0	6432.6	6539.7	7089.4	8553.0	9017.1	11515.9	11672.9
32.5°	7189.4	7289.3	7253.6	7182.2	7210.8	7403.6	7917.6	9324.1	9802.4	12444.0	13000.9
35°	8053.3	8089.0	8231.7	7967.6	7974.7	8303.1	8974.2	10337.9	10801.9	13407.8	14328.8
37.5°	9309.8	9374.0	9309.8	8895.7	8831.5	9288.4	10002.3	11337.4	11672.9	14136.0	15563.9
40°	10544.9	10623.4	10730.5	10245.1	9838.1	10216.5	10973.3	12101.3	12451.1	14535.8	16385.0
42.5°	11565.8	11694.4	11580.1	11437.3	11066.1	11137.5	11651.5	12693.9	13043.7	15042.7	17213.1
45°	12429.7	12451.1	12501.1	12401.2	12215.5	12151.3	12229.8	13215.1	13600.6	15271.2	17620.1
47.5°	12786.7	12879.5	12922.3	13093.7	13286.4	13157.9	12722.4	13457.8	13807.6	15256.9	17748.6
50°	12593.9	12686.7	12915.2	13322.1	13786.2	14014.7	13300.7	13793.3	14186.0	15513.9	18012.7
52.5°	12087.0	12187.0	12558.2	13022.3	13800.5	14321.7	14114.6	14493.0	14871.4	15970.9	18455.4
55°	10859.0	11009.0	11530.2	12301.2	13372.1	14157.5	14971.3	15521.1	15935.2	16520.6	18912.3
57.5°	9074.2	9231.3	9816.7	10973.3	12579.6	13479.2	15221.2	17448.7	17634.3	17177.4	18955.1
60°	*6796.7*	*6925.2*	*7753.4*	*8681.5*	*10566.3*	*12237.0*	*15078.4*	*19276.4*	*19747.6*	*17063.2*	*17591.5*
62.5°	5383.1	5540.2	6275.5	6703.9	8053.3	10109.4	14578.7	19783.3	20190.3	16120.8	15692.4
65°	4205.1	4312.2	4997.6	5611.6	5940.0	6903.8	12494.0	17305.9	17670.0	14585.8	12950.9
67.5°	2777.2	2941.4	3755.3	4597.8	4769.1	4390.7	8595.9	13315.0	13486.4	11594.4	9738.2
70°	1991.9	2070.4	2677.3	3576.8	3833.9	2941.4	4683.5	10080.9	10130.8	7782.0	6561.1
72.5°	1356.5	1370.8	1820.6	2741.5	3055.7	2134.7	2577.3	6639.7	6468.3	3841.0	3755.3
75°	921.0	935.3	1163.7	1827.7	2163.2	1485.0	1677.8	3619.7	3476.9	2120.4	2277.5
77.5°	621.1	635.4	799.6	1228.0	1442.2	1028.1	1228.0	1913.4	1877.7	1406.5	1220.8
80°	471.2	492.6	592.6	785.3	1006.7	599.7	699.7	906.7	921.0	749.6	621.1
82.5°	264.2	292.7	357.0	399.8	649.7	335.6	335.6	542.6	521.2	464.1	335.6
85°	114.2	121.4	142.8	149.9	264.2	142.8	121.4	235.6	242.7	228.5	107.1
87.5°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	28.6	28.6	28.6	28.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4
2.5°	5054.7	5097.5	5054.7	5033.3	5033.3	4997.6	4983.3	4983.3	4933.3	4954.8	4940.5
5°	5168.9	5183.2	5133.2	5069.0	4983.3	4911.9	4812.0	4683.5	4604.9	4597.8	4604.9
7.5°	5347.4	5354.6	5218.9	5076.1	4861.9	4604.9	4297.9	4048.0	3826.7	3791.0	3833.9
10°	5597.3	5583.0	5383.1	5047.6	4597.8	4055.2	3584.0	3355.5	3227.0	3219.9	3212.7
12.5°	5932.9	5840.0	5533.0	4926.2	4140.9	3512.6	3269.9	3255.6	3291.3	3319.8	3327.0
15°	6318.4	6197.0	5654.4	4690.6	3676.8	3312.7	3327.0	3448.3	3491.2	3519.7	3519.7
17.5°	6796.7	6639.7	5790.1	4355.0	3441.2	3355.5	3455.5	3569.7	3641.1	3669.7	3662.5
20°	7432.1	7103.7	5897.2	4033.8	3376.9	3426.9	3512.6	3626.8	3698.2	3733.9	3733.9
22.5°	8067.5	7660.6	5918.6	3812.4	3376.9	3434.1	3512.6	3626.8	3705.4	3741.1	3733.9
25°	8931.4	8374.5	5925.7	3655.4	3384.1	3398.4	3469.8	3569.7	3683.9	3719.6	3733.9
27.5°	9852.4	9159.9	5961.4	3619.7	3355.5	3348.4	3398.4	3491.2	3605.4	3698.2	3705.4
30°	10994.7	10045.2	5975.7	3655.4	3362.7	3269.9	3305.5	3398.4	3519.7	3612.5	3641.1
32.5°	12115.6	10866.2	5947.1	3733.9	3376.9	3219.9	3227.0	3284.1	3412.6	3476.9	3526.9
35°	13300.7	11737.2	5897.2	3841.0	3384.1	3198.5	3134.2	3162.8	3248.4	3255.6	3277.0
37.5°	14228.8	12386.9	5747.2	3983.8	3398.4	3119.9	2991.4	2970.0	2934.3	2862.9	2877.2
40°	14992.8	12822.4	5497.3	4055.2	3362.7	3027.1	2812.9	2713.0	2577.3	2470.2	2491.7
42.5°	15542.5	13115.1	5197.5	4069.5	3305.5	2870.0	2605.9	2434.5	2284.6	2170.4	2177.5
45°	15785.2	13086.5	4876.2	3962.4	3169.9	2677.3	2413.1	2248.9	2084.7	1963.3	1949.1
47.5°	15792.4	12808.1	4433.6	3705.4	2941.4	2456.0	2234.6	2056.2	1920.5	1834.8	1827.7
50°	15849.5	12651.0	4019.5	3334.1	2641.6	2220.4	2077.6	1899.1	1820.6	1699.2	1663.5
52.5°	16206.5	12908.1	3733.9	2927.2	2363.1	2049.0	1941.9	1784.9	1656.3	1577.8	1570.7
55°	16784.8	13350.7	3576.8	2620.2	2099.0	1884.8	1813.4	1677.8	1563.5	1485.0	1463.6
57.5°	16856.2	13579.2	3391.2	2334.6	1884.8	1756.3	1727.7	1577.8	1413.6	1356.5	1335.1
60°	*15856.6*	*13193.6*	*3162.8*	*2070.4*	*1727.7*	*1656.3*	*1642.1*	*1442.2*	*1306.5*	*1235.1*	*1206.6*
62.5°	14493.0	12229.8	2812.9	1827.7	1606.4	1556.4	1499.3	1342.2	1170.9	1092.3	1070.9
65°	11844.3	10280.8	2391.7	1663.5	1485.0	1427.9	1413.6	1199.4	1085.2	1042.4	1035.2
67.5°	8974.2	8260.3	2106.1	1542.1	1356.5	1335.1	1285.1	1213.7	1163.7	1113.7	1099.5
70°	6346.9	5961.4	1792.0	1385.0	1228.0	1192.3	1399.3	1320.8	1142.3	1078.1	1070.9
72.5°	3848.1	3741.1	1549.3	1242.3	1056.6	1113.7	1292.2	1192.3	1028.1	949.5	921.0
75°	2427.4	2220.4	1299.4	1056.6	842.5	906.7	1128.0	1063.8	885.3	806.8	785.3
77.5°	1320.8	1228.0	978.1	863.9	664.0	735.4	985.2	878.1	706.8	771.1	685.4
80°	578.3	642.5	649.7	499.8	442.6	542.6	706.8	685.4	542.6	549.7	456.9
82.5°	278.4	364.1	421.2	342.7	249.9	321.3	471.2	392.7	364.1	342.7	328.4
85°	85.7	135.6	185.6	164.2	114.2	135.6	221.3	214.2	257.0	221.3	207.0
87.5°	28.6	28.6	21.4	21.4	21.4	28.6	35.7	21.4	7.1	7.1	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°	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4
2.5°	4933.3	4940.5	4940.5	4947.6	4947.6	4969.0	4997.6	5026.1	5004.7	5033.3	5040.4
5°	4590.6	4626.3	4654.9	4762.0	4847.7	4919.1	4997.6	5069.0	5090.4	5104.7	5140.4
7.5°	3783.9	3883.8	4069.5	4312.2	4583.5	4847.7	5026.1	5211.8	5240.3	5276.0	5326.0
10°	3219.9	3262.7	3391.2	3641.1	4126.6	4647.8	5083.3	5376.0	5497.3	5568.7	5618.7
12.5°	3312.7	3284.1	3262.7	3298.4	3612.5	4283.6	5047.6	5611.6	5840.0	5918.6	5982.8
15°	3534.0	3505.5	3426.9	3327.0	3362.7	3898.1	4926.2	5832.9	6197.0	6325.5	6461.2
17.5°	3662.5	3634.0	3569.7	3462.6	3369.8	3576.8	4697.7	6032.8	6761.0	6918.1	7110.9
20°	3733.9	3705.4	3641.1	3534.0	3426.9	3455.5	4405.0	6282.7	7403.6	7653.5	7939.0
22.5°	3748.2	3712.5	3641.1	3534.0	3469.8	3448.3	4126.6	6432.6	8096.1	8481.6	8810.0
25°	3741.1	3676.8	3584.0	3505.5	3469.8	3462.6	3933.8	6518.3	8845.7	9459.7	9831.0
27.5°	3691.1	3612.5	3519.7	3462.6	3448.3	3491.2	3848.1	6618.2	9723.9	10509.2	11101.8
30°	3634.0	3519.7	3405.5	3384.1	3419.8	3555.4	3919.5	6653.9	10644.9	11651.5	12258.4
32.5°	3484.0	3398.4	3284.1	3277.0	3362.7	3605.4	4083.7	6604.0	11458.8	12793.8	13557.7
35°	3269.9	3219.9	3155.6	3177.0	3312.7	3648.2	4198.0	6446.9	12201.3	13857.6	14750.0
37.5°	2891.5	2927.2	2962.9	3012.8	3184.2	3641.1	4248.0	6197.0	12815.2	14707.2	15849.5
40°	2470.2	2591.6	2705.8	2834.3	3062.8	3584.0	4262.2	5890.0	13172.2	15349.7	16827.6
42.5°	2206.1	2320.3	2463.1	2648.7	2898.6	3455.5	4248.0	5547.3	13286.4	15792.4	17448.7
45°	1963.3	2099.0	2277.5	2470.2	2755.8	3269.9	4119.4	5176.1	13343.6	15999.4	17712.9
47.5°	1834.8	1913.4	2077.6	2270.3	2570.2	3041.4	3869.6	4904.8	13257.9	16042.3	18034.2
50°	1684.9	1792.0	1899.1	2084.7	2377.4	2755.8	3569.7	4747.7	13400.7	16463.5	18541.1
52.5°	1570.7	1627.8	1742.0	1913.4	2127.5	2491.7	3284.1	4619.2	13793.3	16891.9	19069.4
55°	1485.0	1549.3	1620.6	1763.4	1927.6	2227.5	2991.4	4426.4	14250.3	17348.8	19597.7
57.5°	1349.3	1392.2	1492.1	1642.1	1749.2	1970.5	2648.7	4198.0	14214.6	16991.8	18683.8
60°	*1228.0*	*1270.8*	*1377.9*	*1527.8*	*1592.1*	*1742.0*	*2313.2*	*3905.3*	*13529.2*	*15828.1*	*16998.9*
62.5°	1092.3	1142.3	1270.8	1377.9	1435.0	1549.3	1963.3	3369.8	12101.3	14078.9	15028.5
65°	1035.2	1063.8	1149.4	1278.0	1270.8	1377.9	1656.3	2648.7	9738.2	10759.1	11623.0
67.5°	1099.5	1142.3	1128.0	1163.7	1142.3	1199.4	1485.0	2127.5	7653.5	8103.2	8603.0
70°	1085.2	1185.1	1235.1	1163.7	999.5	1063.8	1285.1	1699.2	5475.9	5433.1	5411.7
72.5°	949.5	1049.5	1192.3	1263.7	978.1	885.3	1113.7	1470.7	3512.6	3498.3	3162.8
75°	806.8	878.1	1049.5	1142.3	842.5	713.9	956.7	1249.4	2099.0	2127.5	1899.1
77.5°	742.5	706.8	878.1	1006.7	685.4	549.7	771.1	942.4	1156.6	1170.9	1085.2
80°	535.5	514.0	656.8	735.4	521.2	392.7	435.5	585.4	621.1	556.9	578.3
82.5°	342.7	349.8	392.7	471.2	321.3	214.2	299.9	392.7	335.6	271.3	321.3
85°	221.3	249.9	207.0	242.7	100.0	100.0	128.5	171.3	114.2	78.5	85.7
87.5°	0.0	0.0	14.3	28.6	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: P1501511
CATALOG NUMBER: GSS-SB5C-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5040.4	5040.4	*5040.4*	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4
2.5°	5061.8	5054.7	*5054.7*	5069.0	5104.7	5119.0	5140.4	5133.2	5154.7	5140.4
5°	5161.8	5168.9	*5190.4*	5197.5	5218.9	5247.5	5254.6	5247.5	5261.7	5261.7
7.5°	5361.7	5390.3	*5376.0*	5411.7	5383.1	5347.4	5290.3	5247.5	5211.8	5226.1
10°	5697.3	5683.0	*5675.8*	5611.6	5483.1	5297.4	5147.5	4983.3	4954.8	4926.2
12.5°	6068.5	6054.2	*6054.2*	5832.9	5468.8	5083.3	4740.6	4483.6	4397.9	4390.7
15°	6589.7	6496.9	*6411.2*	5947.1	5218.9	4562.1	4162.3	3962.4	3912.4	3912.4
17.5°	7239.4	6996.6	*6853.8*	5861.5	4812.0	4219.4	3983.8	3933.8	3919.5	3955.2
20°	8046.1	7432.1	*7225.1*	5668.7	4662.0	4262.2	4148.0	4155.1	4162.3	4212.3
22.5°	8931.4	7831.9	*7489.2*	5668.7	4812.0	4533.5	4476.4	4554.9	4576.4	4619.2
25°	9916.6	8188.9	*7724.8*	5968.5	5254.6	5047.6	4976.2	5054.7	5111.8	5183.2
27.5°	11023.3	8560.2	*8131.8*	6511.1	5825.8	5697.3	5618.7	5654.4	5732.9	5818.6
30°	12015.6	9181.3	*8752.9*	7339.3	6604.0	6446.9	6311.2	6368.4	6454.0	6511.1
32.5°	12893.8	9938.1	*9574.0*	8210.3	7496.4	7225.1	7075.2	7060.9	7232.2	7189.4
35°	13700.5	10830.5	*10480.7*	9202.7	8403.1	8067.5	7867.6	8124.7	8010.4	8053.3
37.5°	14335.9	11758.6	*11480.2*	10152.2	9345.5	8888.6	8767.2	9081.3	9259.8	9309.8
40°	14857.1	12565.4	*12272.7*	11094.6	10209.4	9873.8	10066.6	10587.7	10566.3	10544.9
42.5°	15256.9	13257.9	*12936.6*	11808.6	11037.5	11101.8	11251.7	11601.5	11687.2	11565.8
45°	15435.4	13693.4	*13436.4*	12372.6	11979.9	12351.2	12415.4	12565.4	12508.3	12429.7
47.5°	15642.5	14078.9	*13807.6*	12886.6	13000.9	13365.0	13236.5	13115.1	12908.1	12786.7
50°	15992.3	14535.8	*14307.4*	13636.3	14050.4	13929.0	13429.2	13157.9	12736.7	12593.9
52.5°	16656.3	15399.7	*15228.4*	14821.4	14543.0	13843.3	13236.5	12751.0	12279.8	12087.0
55°	17248.8	16570.6	*16470.6*	15928.0	14393.1	13393.5	12579.6	11830.0	11023.3	10859.0
57.5°	17591.5	18512.5	*18626.7*	16399.2	13707.7	12372.6	11173.2	9973.8	9209.8	9074.2
60°	*16570.6*	*20611.5*	*20668.6*	*16306.4*	*12472.6*	*10530.6*	*8702.9*	*7853.4*	*7032.3*	*6796.7*
62.5°	15164.1	20176.0	*20126.0*	15749.5	9930.9	7682.0	6611.1	6211.3	5575.9	5383.1
65°	13036.6	16806.2	*16863.3*	13607.7	6604.0	5554.5	5554.5	5047.6	4340.8	4205.1
67.5°	10623.4	12958.0	*12829.5*	8824.3	4055.2	4447.9	4662.0	3933.8	2941.4	2777.2
70°	6903.8	9895.2	*9716.7*	5090.4	2548.8	3705.4	3669.7	2955.7	2106.1	1991.9
72.5°	2970.0	5718.7	*6082.8*	2598.7	1920.5	2984.3	2927.2	2070.4	1406.5	1356.5
75°	1792.0	2877.2	*3134.2*	1656.3	1399.3	2248.9	2027.6	1313.7	956.7	921.0
77.5°	1135.2	1577.8	*1563.5*	1242.3	1049.5	1520.7	1363.6	906.7	649.7	621.1
80°	656.8	778.2	*806.8*	778.2	706.8	1085.2	871.0	656.8	506.9	471.2
82.5°	421.2	485.5	*492.6*	378.4	392.7	699.7	471.2	385.5	292.7	264.2
85°	185.6	207.0	*199.9*	128.5	128.5	285.6	164.2	157.1	114.2	114.2
87.5°	7.1	14.3	*7.1*	7.1	7.1	28.6	14.3	21.4	21.4	21.4
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: SP1-2407-184-8

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

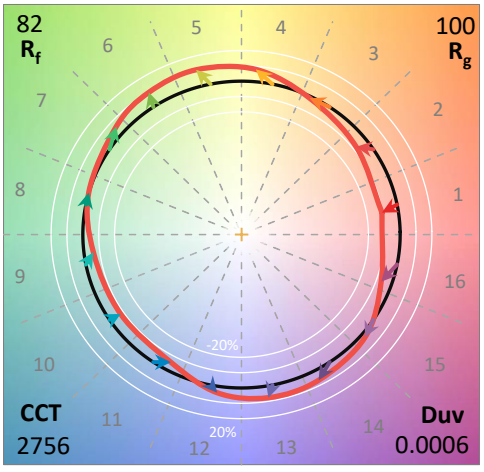
Test Information

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

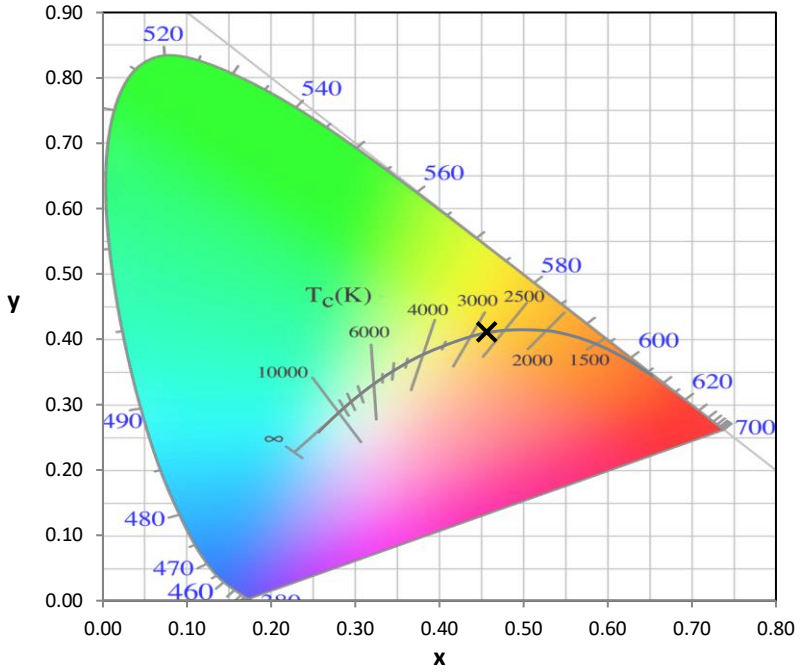
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

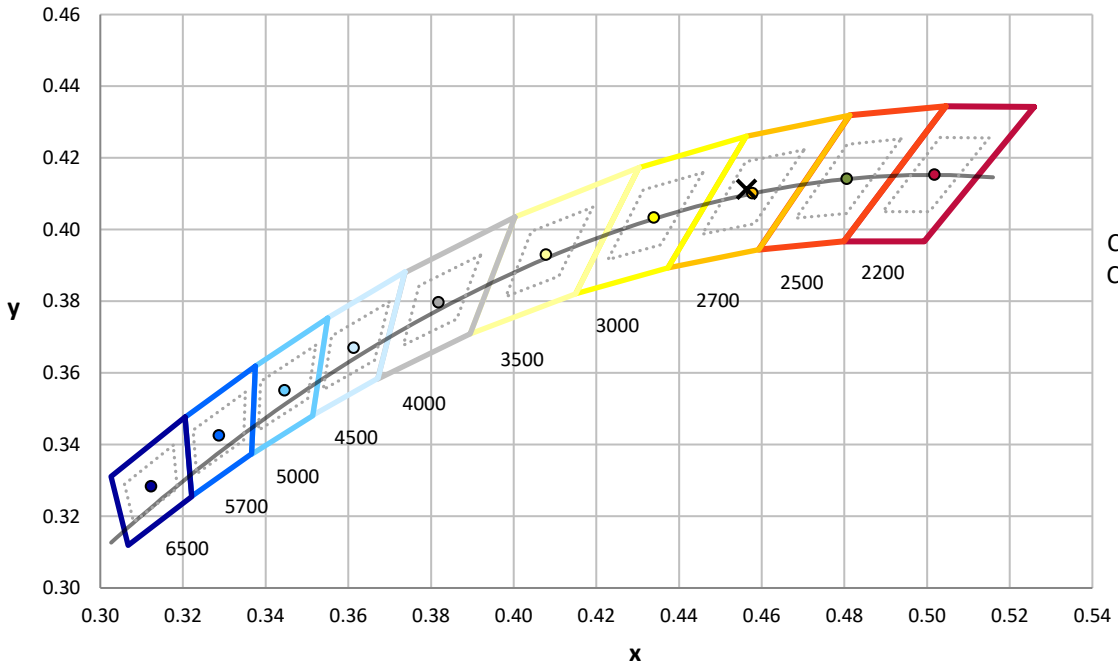
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

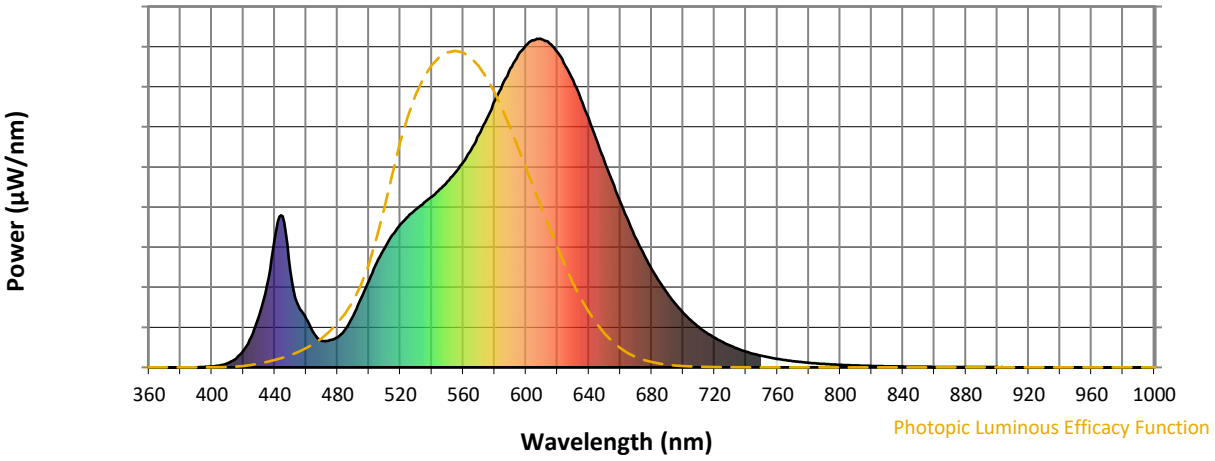


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

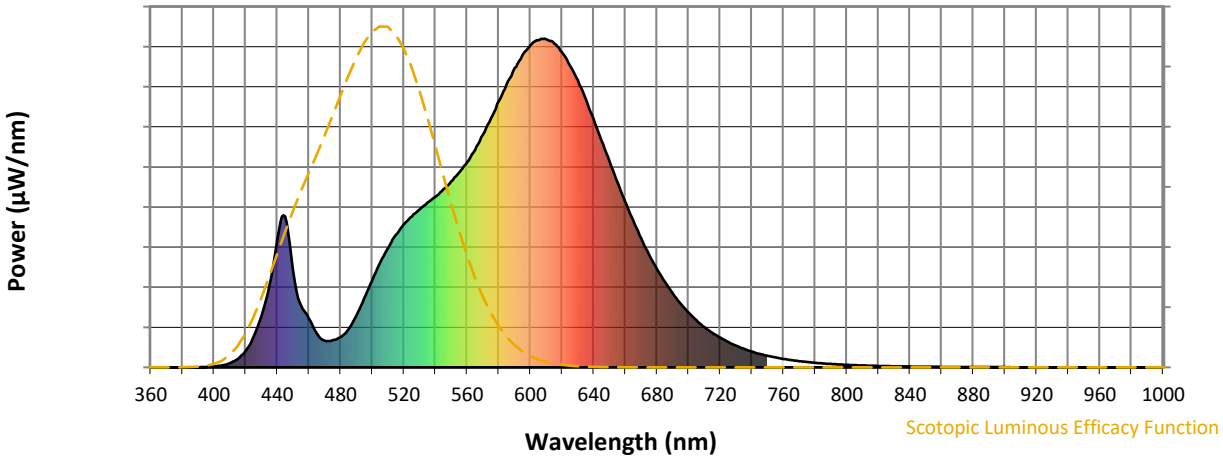


Photopic Lumens: NR

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

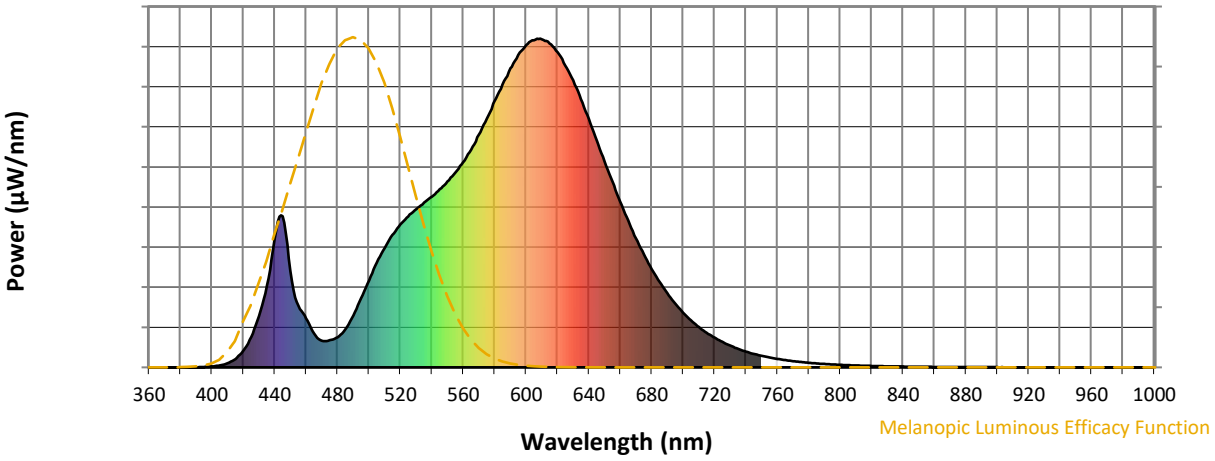


Scotopic Lumens: NR **S/P: 1.2**

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			

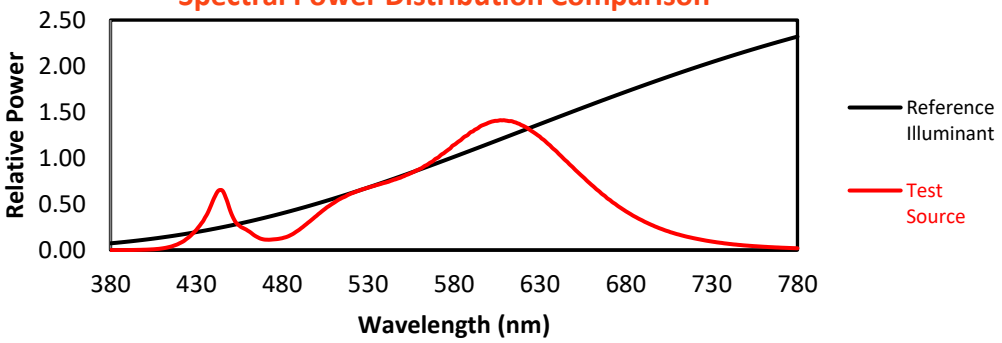
REPORT NUMBER: SP1-2407-184-8

TM-30-18

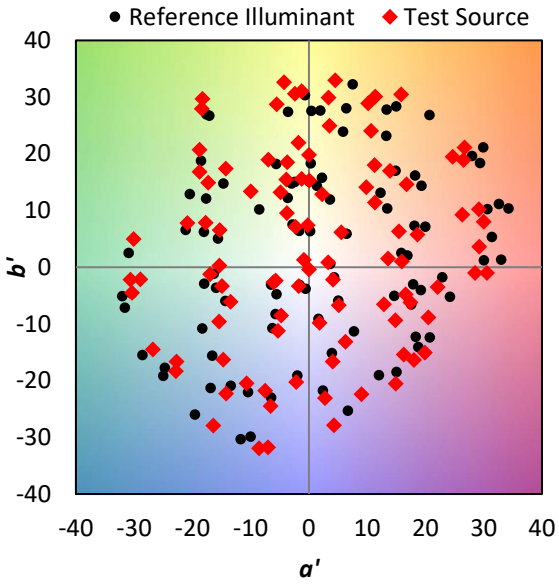
Summary

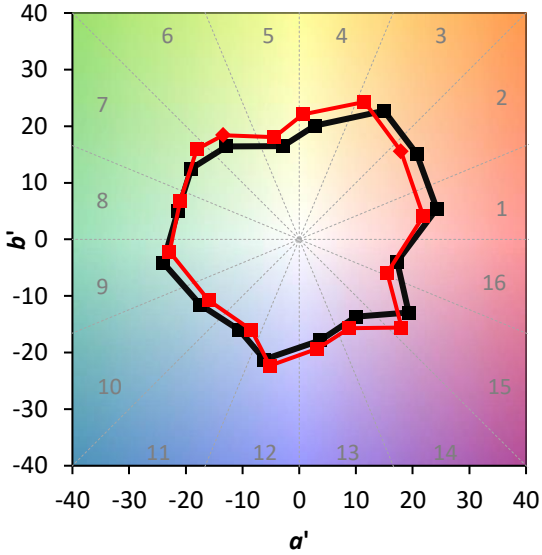
R_f = 82.2
R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

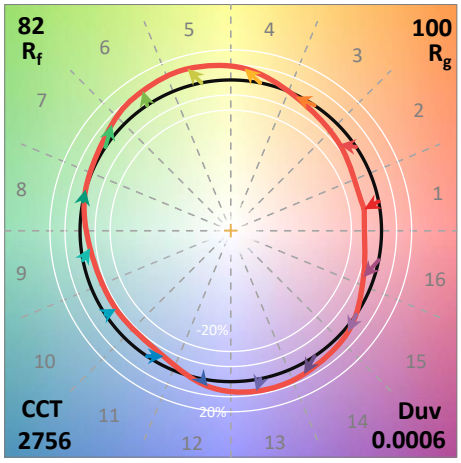
Spectral Power Distribution Comparison

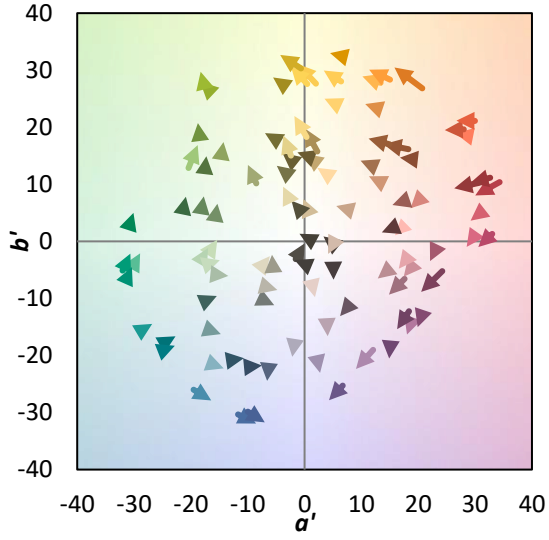


Color Vector Graphics







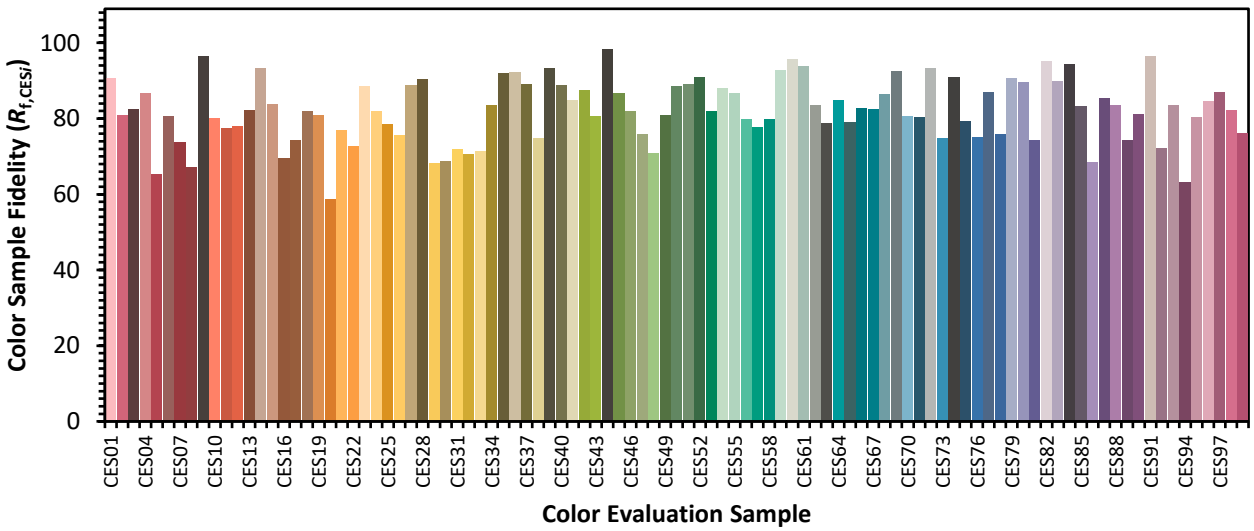


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Individual Sample Fidelity Index ($R_{f,i}$)

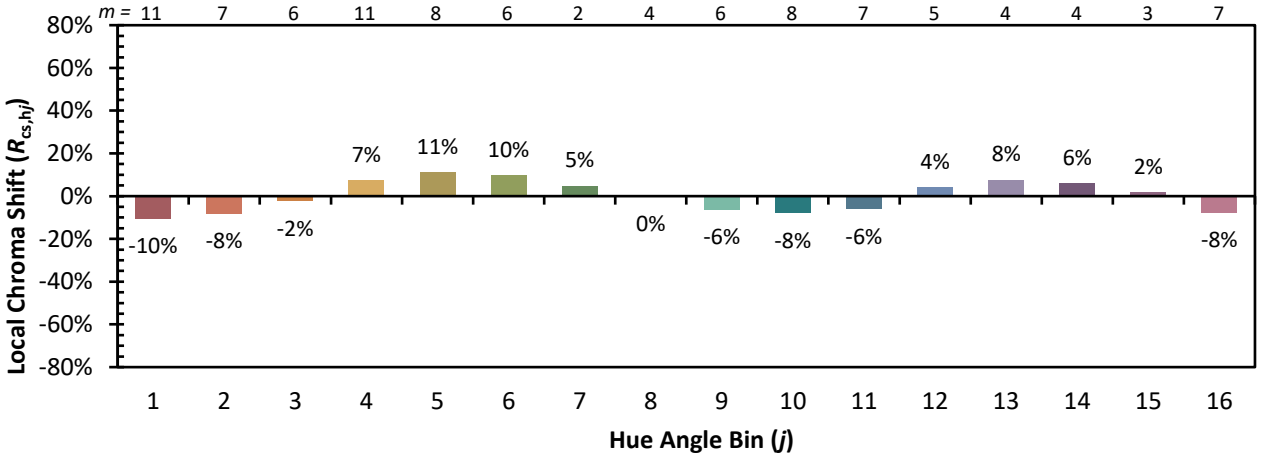
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 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	

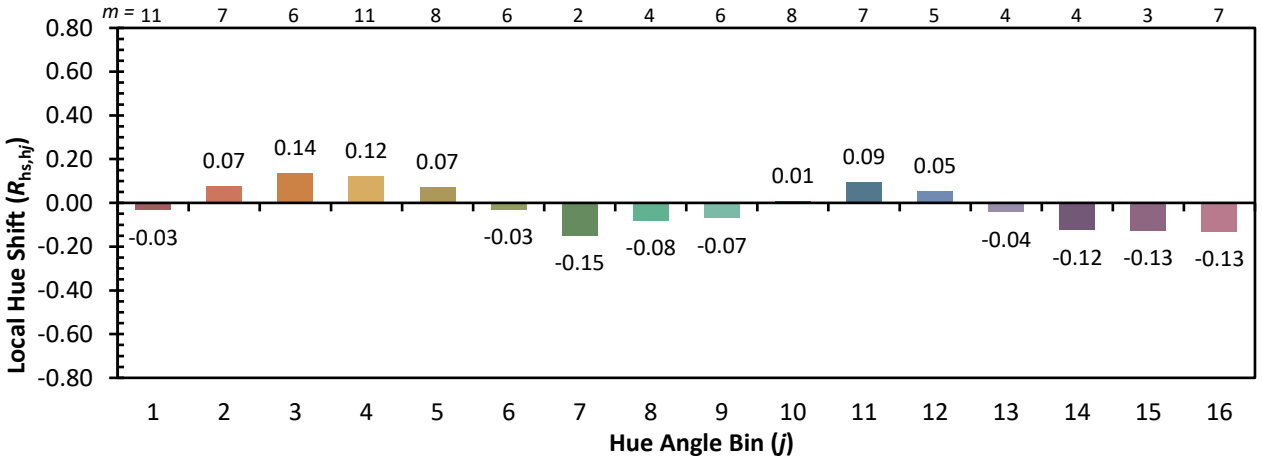


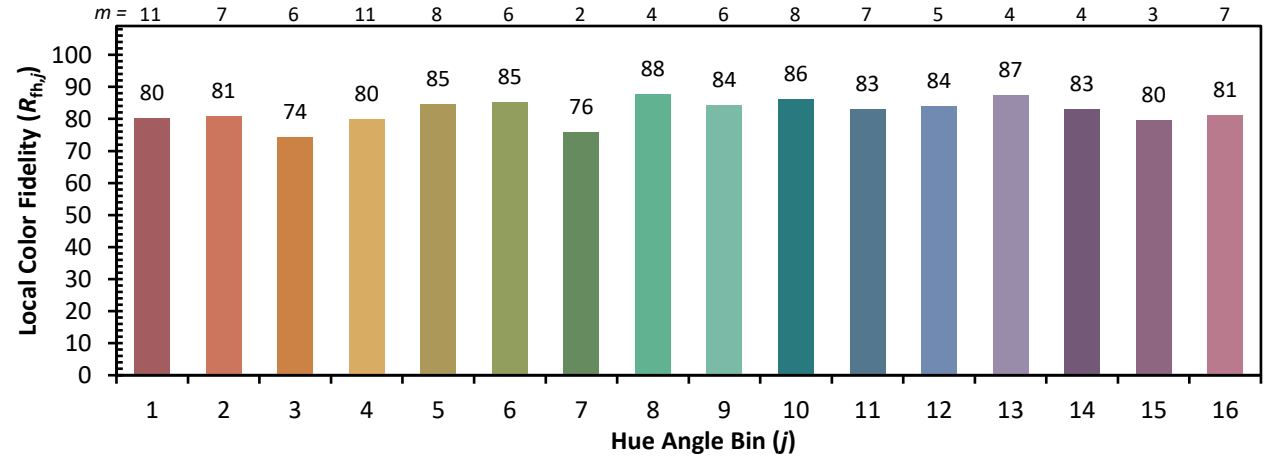
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Color Rendition by Hue-Angle Bin



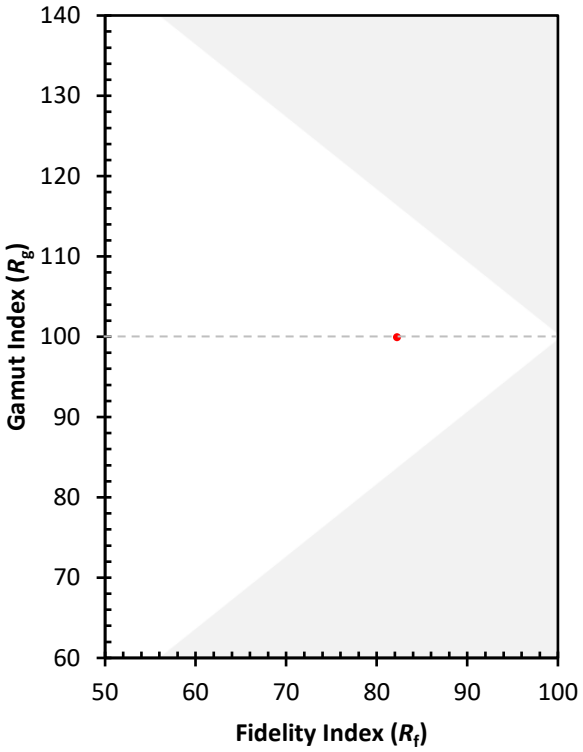


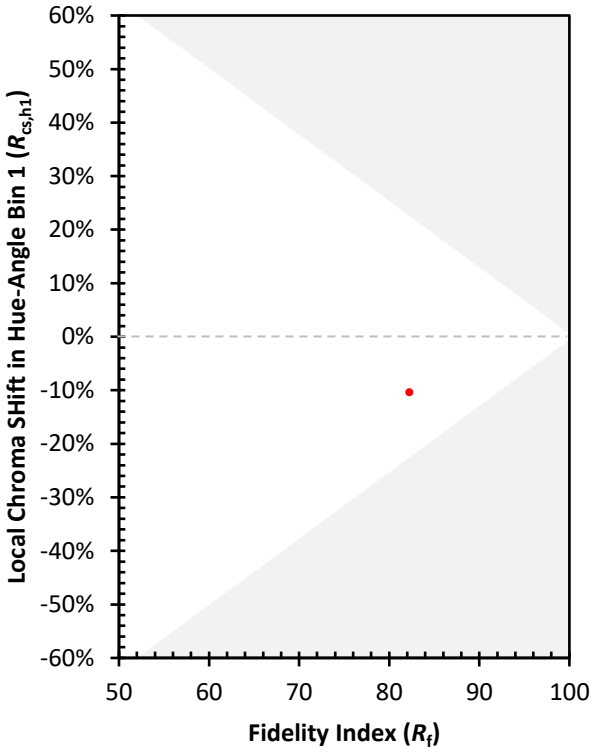


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Measure Comparisons





(END OF REPORT)