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: P1501515

Luminaire Tested: GSS-SB6C-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:	P1501515
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	37611.5 lumens
Efficiency:	N/A
Efficacy:	125.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

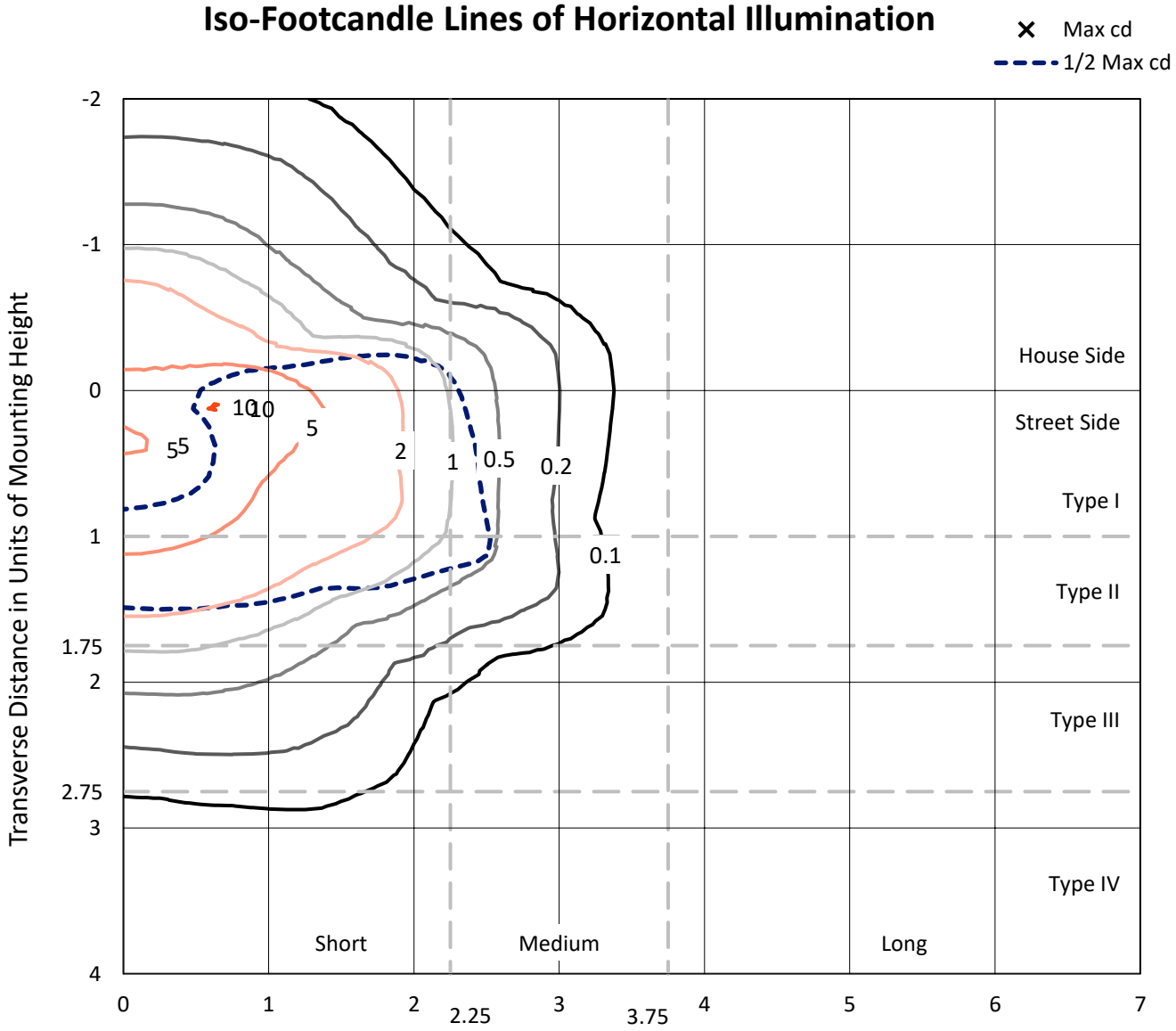
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



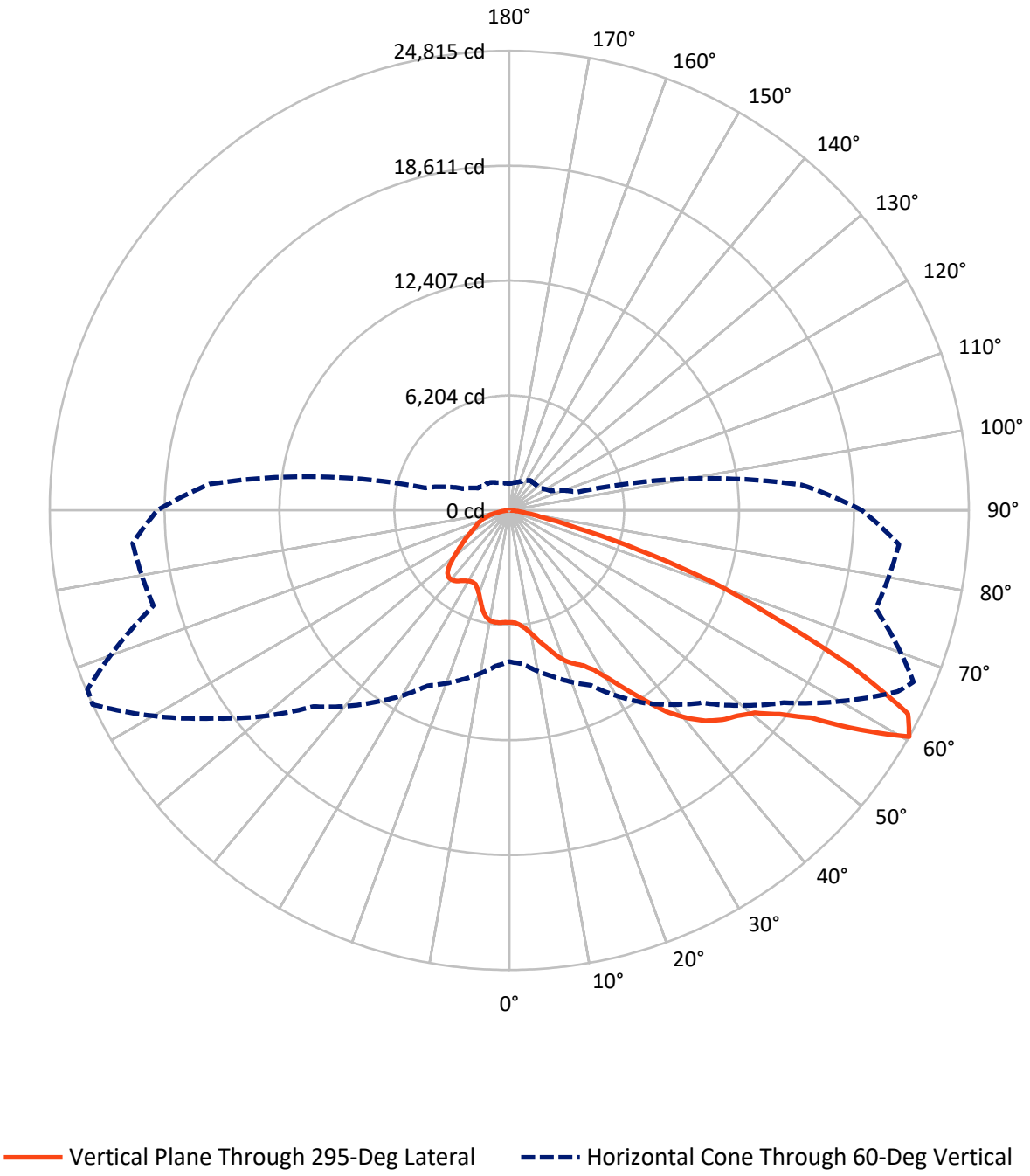
Based on 30 foot mounting height. Maximum calculated value = 10.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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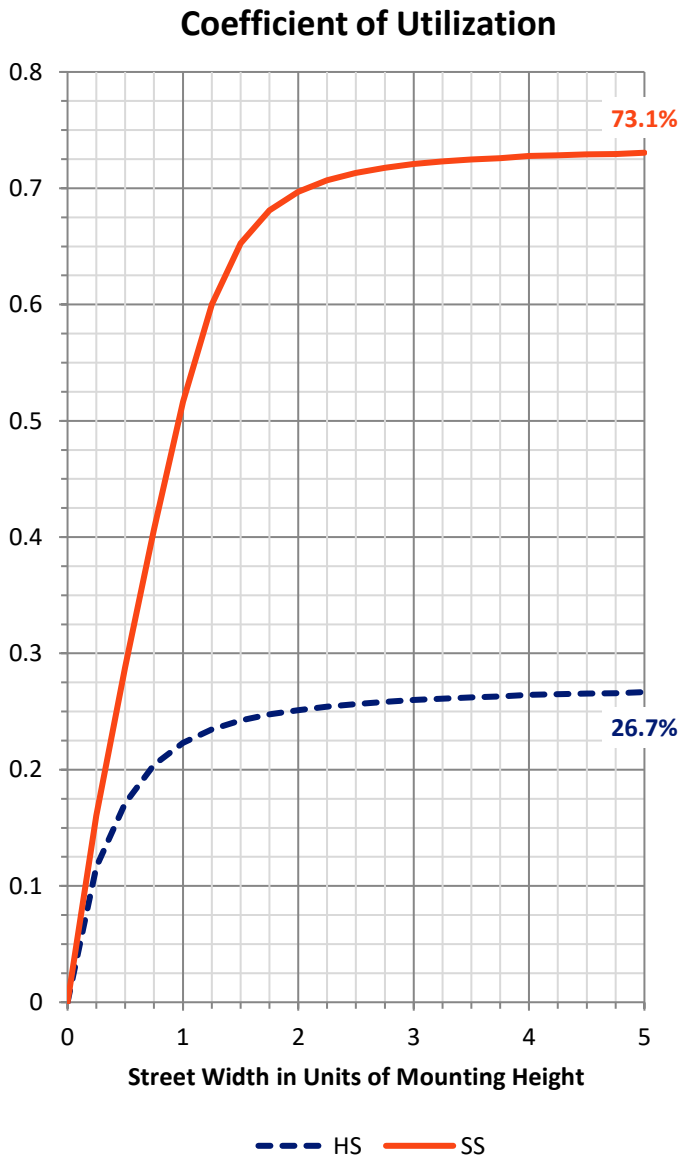
REPORT NUMBER: P1501515
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10114.2	0.0	10114.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	27497.3	0.0	27497.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	37611.5	0.0	37611.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.0	1.5
10°-20°	1635.6	4.3
20°-30°	3098.2	8.2
30°-40°	5461.9	14.5
40°-50°	8077.6	21.5
50°-60°	9485.3	25.2
60°-70°	6872.5	18.3
70°-80°	2119.4	5.6
80°-90°	291.8	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°	37611.5	100.0
0°-180°	37611.5	100.0



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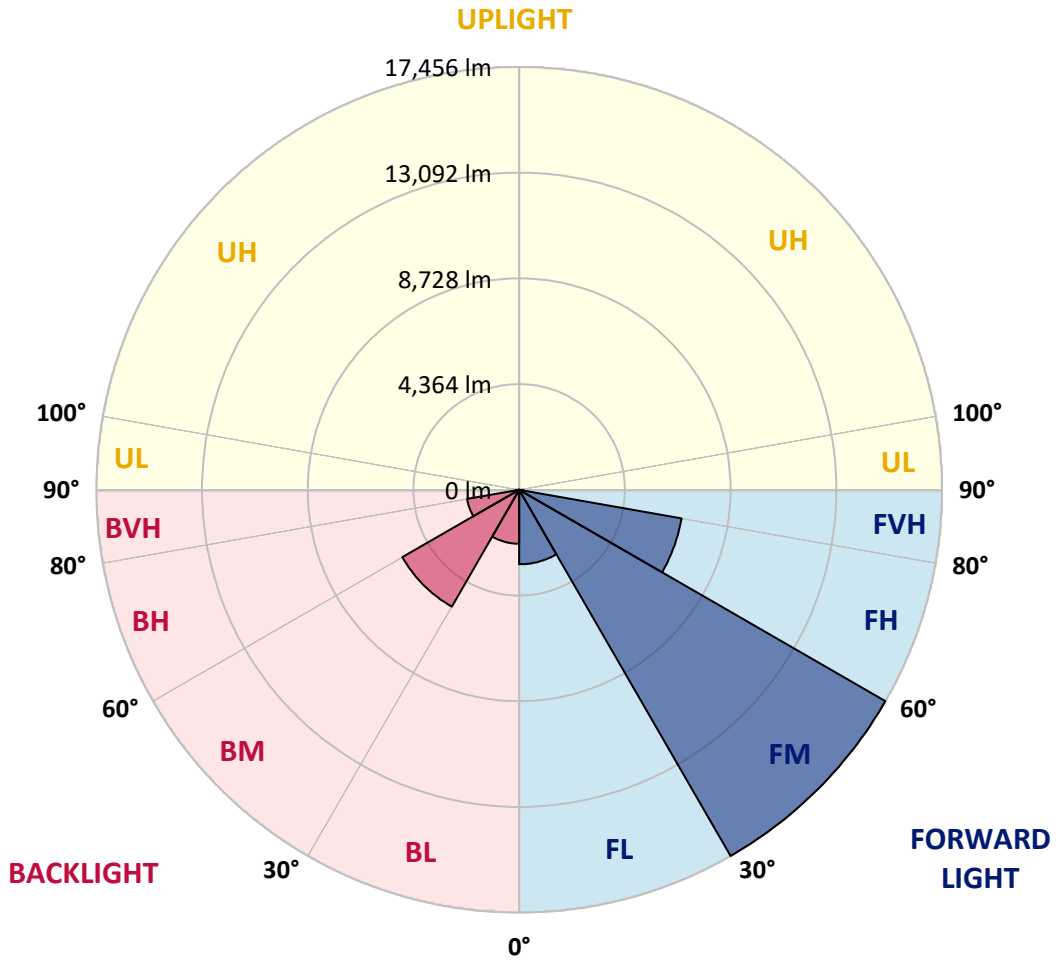
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3075.3	8.2			
FM	(30°-60°)	17455.7	46.4			
FH	(60°-80°)	6808.8	18.1			G3/7500
FVH	(80°-90°)	157.4	0.4			G2/225
BL	(0°-30°)	2227.5	5.9	B3/2500		
BM	(30°-60°)	5569.2	14.8	B4/8500		
BH	(60°-80°)	2183.1	5.8	B3/2500		G3/2500
BVH	(80°-90°)	134.4	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5
2.5°	6171.5	6188.7	6162.9	6180.1	6180.1	6154.4	6145.8	6111.5	6128.7	6120.1	6111.5
5°	6317.2	6325.8	6308.7	6334.4	6334.4	6342.9	6334.4	6291.5	6291.5	6291.5	6274.4
7.5°	6274.4	6274.4	6282.9	6368.7	6454.4	6565.8	6565.8	6548.7	6565.8	6557.2	6480.1
10°	5914.4	5948.7	6025.8	6240.1	6445.8	6685.8	6848.7	6900.1	6900.1	6908.7	6780.1
12.5°	5271.5	5297.2	5477.2	5802.9	6231.5	6668.7	7063.0	7320.1	7345.8	7388.7	7217.2
15°	4697.2	4714.4	4842.9	5177.2	5665.8	6437.2	7183.0	7714.4	7800.1	7980.1	7723.0
17.5°	4748.6	4740.1	4774.4	4902.9	5254.4	6060.1	7157.2	8177.3	8331.5	8648.7	8425.8
20°	5057.2	5057.2	5082.9	5108.6	5237.2	5785.8	6968.7	8554.4	8854.4	9471.6	9214.4
22.5°	5545.8	5545.8	5537.2	5580.1	5580.1	5905.8	6977.2	8837.3	9283.0	10388.7	10140.1
25°	6222.9	6188.7	6188.7	6205.8	6128.7	6360.1	7191.5	9128.7	9711.6	11477.3	11263.0
27.5°	6985.8	7011.5	6994.4	6934.4	6831.5	7011.5	7705.8	9583.0	10191.6	12625.9	12540.2
30°	7817.3	7825.8	7843.0	7808.7	7723.0	7851.5	8511.5	10268.7	10825.9	13825.9	14014.5
32.5°	8631.6	8751.6	8708.7	8623.0	8657.3	8888.7	9505.8	11194.4	11768.7	14940.2	15608.8
35°	9668.7	9711.6	9883.0	9565.9	9574.4	9968.7	10774.4	12411.6	12968.8	16097.4	17203.1
37.5°	11177.3	11254.4	11177.3	10680.2	10603.0	11151.6	12008.7	13611.6	14014.5	16971.7	18686.0
40°	12660.2	12754.5	12883.0	12300.2	11811.6	12265.9	13174.5	14528.8	14948.8	17451.7	19671.7
42.5°	13885.9	14040.2	13903.1	13731.6	13285.9	13371.6	13988.8	15240.2	15660.2	18060.3	20666.0
45°	14923.1	14948.8	15008.8	14888.8	14665.9	14588.8	14683.1	15865.9	16328.8	18334.5	21154.6
47.5°	15351.6	15463.1	15514.5	15720.2	15951.7	15797.4	15274.5	16157.4	16577.4	18317.4	21308.9
50°	15120.2	15231.6	15505.9	15994.5	16551.7	16826.0	15968.8	16560.2	17031.7	18626.0	21626.0
52.5°	14511.6	14631.6	15077.4	15634.5	16568.8	17194.5	16946.0	17400.2	17854.5	19174.6	22157.5
55°	13037.3	13217.3	13843.1	14768.8	16054.5	16997.4	17974.5	18634.6	19131.7	19834.6	22706.0
57.5°	10894.4	11083.0	11785.9	13174.5	15103.1	16183.1	18274.5	20948.9	21171.7	20623.1	22757.5
60°	*8160.1*	*8314.4*	*9308.7*	*10423.0*	*12685.9*	*14691.6*	*18103.1*	*23143.2*	*23708.9*	*20486.0*	*21120.3*
62.5°	6462.9	6651.5	7534.4	8048.7	9668.7	12137.3	17503.1	23751.8	24240.3	19354.6	18840.3
65°	5048.6	5177.2	6000.1	6737.2	7131.5	8288.7	15000.2	20777.4	21214.6	17511.7	15548.8
67.5°	3334.3	3531.5	4508.6	5520.1	5725.8	5271.5	10320.1	15985.9	16191.7	13920.2	11691.6
70°	2391.5	2485.7	3214.3	4294.3	4602.9	3531.5	5622.9	12103.0	12163.0	9343.0	7877.3
72.5°	1628.6	1645.7	2185.7	3291.5	3668.6	2562.9	3094.3	7971.5	7765.8	4611.5	4508.6
75°	1105.7	1122.9	1397.2	2194.3	2597.2	1782.9	2014.3	4345.8	4174.3	2545.8	2734.3
77.5°	745.7	762.9	960.0	1474.3	1731.5	1234.3	1474.3	2297.2	2254.3	1688.6	1465.7
80°	565.7	591.4	711.4	942.9	1208.6	720.0	840.0	1088.6	1105.7	900.0	745.7
82.5°	317.1	351.4	428.6	480.0	780.0	402.9	402.9	651.4	625.7	557.2	402.9
85°	137.1	145.7	171.4	180.0	317.1	171.4	145.7	282.9	291.4	274.3	128.6
87.5°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	34.3	34.3	34.3	34.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5
2.5°	6068.7	6120.1	6068.7	6042.9	6042.9	6000.1	5982.9	5982.9	5922.9	5948.7	5931.5
5°	6205.8	6222.9	6162.9	6085.8	5982.9	5897.2	5777.2	5622.9	5528.6	5520.1	5528.6
7.5°	6420.1	6428.7	6265.8	6094.4	5837.2	5528.6	5160.1	4860.1	4594.4	4551.5	4602.9
10°	6720.1	6703.0	6462.9	6060.1	5520.1	4868.6	4302.9	4028.6	3874.3	3865.8	3857.2
12.5°	7123.0	7011.5	6643.0	5914.4	4971.5	4217.2	3925.8	3908.6	3951.5	3985.8	3994.3
15°	7585.8	7440.1	6788.7	5631.5	4414.3	3977.2	3994.3	4140.1	4191.5	4225.8	4225.8
17.5°	8160.1	7971.5	6951.5	5228.6	4131.5	4028.6	4148.6	4285.8	4371.5	4405.8	4397.2
20°	8923.0	8528.7	7080.1	4842.9	4054.3	4114.3	4217.2	4354.3	4440.1	4482.9	4482.9
22.5°	9685.9	9197.3	7105.8	4577.2	4054.3	4122.9	4217.2	4354.3	4448.6	4491.5	4482.9
25°	10723.0	10054.4	7114.4	4388.6	4062.9	4080.1	4165.8	4285.8	4422.9	4465.8	4482.9
27.5°	11828.7	10997.3	7157.2	4345.8	4028.6	4020.1	4080.1	4191.5	4328.6	4440.1	4448.6
30°	13200.2	12060.2	7174.4	4388.6	4037.2	3925.8	3968.6	4080.1	4225.8	4337.2	4371.5
32.5°	14545.9	13045.9	7140.1	4482.9	4054.3	3865.8	3874.3	3942.9	4097.2	4174.3	4234.3
35°	15968.8	14091.6	7080.1	4611.5	4062.9	3840.1	3762.9	3797.2	3900.1	3908.6	3934.3
37.5°	17083.1	14871.6	6900.1	4782.9	4080.1	3745.8	3591.5	3565.8	3522.9	3437.2	3454.3
40°	18000.3	15394.5	6600.1	4868.6	4037.2	3634.3	3377.2	3257.2	3094.3	2965.8	2991.5
42.5°	18660.3	15745.9	6240.1	4885.8	3968.6	3445.8	3128.6	2922.9	2742.9	2605.8	2614.3
45°	18951.7	15711.7	5854.4	4757.2	3805.8	3214.3	2897.2	2700.0	2502.9	2357.2	2340.0
47.5°	18960.3	15377.4	5322.9	4448.6	3531.5	2948.6	2682.9	2468.6	2305.7	2202.9	2194.3
50°	19028.8	15188.8	4825.8	4002.9	3171.5	2665.8	2494.3	2280.0	2185.7	2040.0	1997.2
52.5°	19457.4	15497.4	4482.9	3514.3	2837.2	2460.0	2331.5	2142.9	1988.6	1894.3	1885.7
55°	20151.7	16028.8	4294.3	3145.8	2520.0	2262.9	2177.2	2014.3	1877.2	1782.9	1757.2
57.5°	20237.4	16303.1	4071.5	2802.9	2262.9	2108.6	2074.3	1894.3	1697.2	1628.6	1602.9
60°	*19037.4*	*15840.2*	*3797.2*	*2485.7*	*2074.3*	*1988.6*	*1971.5*	*1731.5*	*1568.6*	*1482.9*	*1448.6*
62.5°	17400.2	14683.1	3377.2	2194.3	1928.6	1868.6	1800.0	1611.5	1405.7	1311.4	1285.7
65°	14220.2	12343.0	2871.5	1997.2	1782.9	1714.3	1697.2	1440.0	1302.9	1251.4	1242.9
67.5°	10774.4	9917.3	2528.6	1851.5	1628.6	1602.9	1542.9	1457.2	1397.2	1337.2	1320.0
70°	7620.1	7157.2	2151.5	1662.9	1474.3	1431.4	1680.0	1585.7	1371.4	1294.3	1285.7
72.5°	4620.1	4491.5	1860.0	1491.4	1268.6	1337.2	1551.5	1431.4	1234.3	1140.0	1105.7
75°	2914.3	2665.8	1560.0	1268.6	1011.4	1088.6	1354.3	1277.2	1062.9	968.6	942.9
77.5°	1585.7	1474.3	1174.3	1037.2	797.2	882.9	1182.9	1054.3	848.6	925.7	822.9
80°	694.3	771.4	780.0	600.0	531.4	651.4	848.6	822.9	651.4	660.0	548.6
82.5°	334.3	437.1	505.7	411.4	300.0	385.7	565.7	471.4	437.1	411.4	394.3
85°	102.9	162.9	222.9	197.1	137.1	162.9	265.7	257.1	308.6	265.7	248.6
87.5°	34.3	34.3	25.7	25.7	25.7	34.3	42.9	25.7	8.6	8.6	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°	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5
2.5°	5922.9	5931.5	5931.5	5940.1	5940.1	5965.8	6000.1	6034.4	6008.7	6042.9	6051.5
5°	5511.5	5554.4	5588.7	5717.2	5820.1	5905.8	6000.1	6085.8	6111.5	6128.7	6171.5
7.5°	4542.9	4662.9	4885.8	5177.2	5502.9	5820.1	6034.4	6257.2	6291.5	6334.4	6394.4
10°	3865.8	3917.2	4071.5	4371.5	4954.4	5580.1	6102.9	6454.4	6600.1	6685.8	6745.8
12.5°	3977.2	3942.9	3917.2	3960.1	4337.2	5142.9	6060.1	6737.2	7011.5	7105.8	7183.0
15°	4242.9	4208.6	4114.3	3994.3	4037.2	4680.1	5914.4	7003.0	7440.1	7594.4	7757.3
17.5°	4397.2	4362.9	4285.8	4157.2	4045.8	4294.3	5640.1	7243.0	8117.3	8305.8	8537.3
20°	4482.9	4448.6	4371.5	4242.9	4114.3	4148.6	5288.6	7543.0	8888.7	9188.7	9531.6
22.5°	4500.1	4457.2	4371.5	4242.9	4165.8	4140.1	4954.4	7723.0	9720.1	10183.0	10577.3
25°	4491.5	4414.3	4302.9	4208.6	4165.8	4157.2	4722.9	7825.8	10620.2	11357.3	11803.0
27.5°	4431.5	4337.2	4225.8	4157.2	4140.1	4191.5	4620.1	7945.8	11674.5	12617.3	13328.8
30°	4362.9	4225.8	4088.6	4062.9	4105.8	4268.6	4705.8	7988.7	12780.2	13988.8	14717.4
32.5°	4182.9	4080.1	3942.9	3934.3	4037.2	4328.6	4902.9	7928.7	13757.3	15360.2	16277.4
35°	3925.8	3865.8	3788.6	3814.3	3977.2	4380.1	5040.1	7740.1	14648.8	16637.4	17708.8
37.5°	3471.5	3514.3	3557.2	3617.2	3822.9	4371.5	5100.1	7440.1	15385.9	17657.4	19028.8
40°	2965.8	3111.5	3248.6	3402.9	3677.2	4302.9	5117.2	7071.5	15814.5	18428.8	20203.1
42.5°	2648.6	2785.8	2957.2	3180.0	3480.0	4148.6	5100.1	6660.1	15951.7	18960.3	20948.9
45°	2357.2	2520.0	2734.3	2965.8	3308.6	3925.8	4945.8	6214.4	16020.2	19208.8	21266.0
47.5°	2202.9	2297.2	2494.3	2725.8	3085.8	3651.5	4645.8	5888.7	15917.4	19260.3	21651.7
50°	2022.9	2151.5	2280.0	2502.9	2854.3	3308.6	4285.8	5700.1	16088.8	19766.0	22260.3
52.5°	1885.7	1954.3	2091.5	2297.2	2554.3	2991.5	3942.9	5545.8	16560.2	20280.3	22894.6
55°	1782.9	1860.0	1945.7	2117.2	2314.3	2674.3	3591.5	5314.4	17108.8	20828.9	23528.9
57.5°	1620.0	1671.5	1791.5	1971.5	2100.0	2365.7	3180.0	5040.1	17066.0	20400.3	22431.7
60°	*1474.3*	*1525.7*	*1654.3*	*1834.3*	*1911.5*	*2091.5*	*2777.2*	*4688.6*	*16243.1*	*19003.1*	*20408.9*
62.5°	1311.4	1371.4	1525.7	1654.3	1722.9	1860.0	2357.2	4045.8	14528.8	16903.1	18043.1
65°	1242.9	1277.2	1380.0	1534.3	1525.7	1654.3	1988.6	3180.0	11691.6	12917.3	13954.5
67.5°	1320.0	1371.4	1354.3	1397.2	1371.4	1440.0	1782.9	2554.3	9188.7	9728.7	10328.7
70°	1302.9	1422.9	1482.9	1397.2	1200.0	1277.2	1542.9	2040.0	6574.4	6522.9	6497.2
72.5°	1140.0	1260.0	1431.4	1517.2	1174.3	1062.9	1337.2	1765.7	4217.2	4200.1	3797.2
75°	968.6	1054.3	1260.0	1371.4	1011.4	857.2	1148.6	1500.0	2520.0	2554.3	2280.0
77.5°	891.4	848.6	1054.3	1208.6	822.9	660.0	925.7	1131.4	1388.6	1405.7	1302.9
80°	642.9	617.2	788.6	882.9	625.7	471.4	522.9	702.9	745.7	668.6	694.3
82.5°	411.4	420.0	471.4	565.7	385.7	257.1	360.0	471.4	402.9	325.7	385.7
85°	265.7	300.0	248.6	291.4	120.0	120.0	154.3	205.7	137.1	94.3	102.9
87.5°	0.0	0.0	17.1	34.3	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: P1501515
CATALOG NUMBER: GSS-SB6C-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	6051.5	6051.5	*6051.5*	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5	6051.5
2.5°	6077.2	6068.7	*6068.7*	6085.8	6128.7	6145.8	6171.5	6162.9	6188.7	6171.5
5°	6197.2	6205.8	*6231.5*	6240.1	6265.8	6300.1	6308.7	6300.1	6317.2	6317.2
7.5°	6437.2	6471.5	*6454.4*	6497.2	6462.9	6420.1	6351.5	6300.1	6257.2	6274.4
10°	6840.1	6823.0	*6814.4*	6737.2	6583.0	6360.1	6180.1	5982.9	5948.7	5914.4
12.5°	7285.8	7268.7	*7268.7*	7003.0	6565.8	6102.9	5691.5	5382.9	5280.1	5271.5
15°	7911.5	7800.1	*7697.3*	7140.1	6265.8	5477.2	4997.2	4757.2	4697.2	4697.2
17.5°	8691.6	8400.1	*8228.7*	7037.2	5777.2	5065.8	4782.9	4722.9	4705.8	4748.6
20°	9660.1	8923.0	*8674.4*	6805.8	5597.2	5117.2	4980.1	4988.6	4997.2	5057.2
22.5°	10723.0	9403.0	*8991.6*	6805.8	5777.2	5442.9	5374.4	5468.6	5494.4	5545.8
25°	11905.9	9831.6	*9274.4*	7165.8	6308.7	6060.1	5974.4	6068.7	6137.2	6222.9
27.5°	13234.5	10277.3	*9763.0*	7817.3	6994.4	6840.1	6745.8	6788.7	6883.0	6985.8
30°	14425.9	11023.0	*10508.7*	8811.6	7928.7	7740.1	7577.3	7645.8	7748.7	7817.3
32.5°	15480.2	11931.6	*11494.4*	9857.3	9000.1	8674.4	8494.4	8477.3	8683.0	8631.6
35°	16448.8	13003.0	*12583.0*	11048.7	10088.7	9685.9	9445.8	9754.4	9617.3	9668.7
37.5°	17211.7	14117.3	*13783.1*	12188.7	11220.2	10671.6	10525.9	10903.0	11117.3	11177.3
40°	17837.4	15085.9	*14734.5*	13320.2	12257.3	11854.5	12085.9	12711.6	12685.9	12660.2
42.5°	18317.4	15917.4	*15531.6*	14177.3	13251.6	13328.8	13508.8	13928.8	14031.6	13885.9
45°	18531.7	16440.2	*16131.7*	14854.5	14383.1	14828.8	14905.9	15085.9	15017.4	14923.1
47.5°	18780.3	16903.1	*16577.4*	15471.6	15608.8	16045.9	15891.7	15745.9	15497.4	15351.6
50°	19200.3	17451.7	*17177.4*	16371.7	16868.8	16723.1	16123.1	15797.4	15291.6	15120.2
52.5°	19997.4	18488.8	*18283.1*	17794.5	17460.2	16620.2	15891.7	15308.8	14743.1	14511.6
55°	20708.9	19894.6	*19774.6*	19123.1	17280.2	16080.2	15103.1	14203.1	13234.5	13037.3
57.5°	21120.3	22226.0	*22363.2*	19688.9	16457.4	14854.5	13414.5	11974.5	11057.3	10894.4
60°	*19894.6*	*24746.1*	*24814.6*	*19577.4*	*14974.5*	*12643.0*	*10448.7*	*9428.7*	*8443.0*	*8160.1*
62.5°	18206.0	24223.2	*24163.2*	18908.8	11923.0	9223.0	7937.3	7457.2	6694.4	6462.9
65°	15651.7	20177.4	*20246.0*	16337.4	7928.7	6668.7	6668.7	6060.1	5211.5	5048.6
67.5°	12754.5	15557.4	*15403.1*	10594.4	4868.6	5340.1	5597.2	4722.9	3531.5	3334.3
70°	8288.7	11880.2	*11665.9*	6111.5	3060.0	4448.6	4405.8	3548.6	2528.6	2391.5
72.5°	3565.8	6865.8	*7303.0*	3120.0	2305.7	3582.9	3514.3	2485.7	1688.6	1628.6
75°	2151.5	3454.3	*3762.9*	1988.6	1680.0	2700.0	2434.3	1577.2	1148.6	1105.7
77.5°	1362.9	1894.3	*1877.2*	1491.4	1260.0	1825.7	1637.2	1088.6	780.0	745.7
80°	788.6	934.3	*968.6*	934.3	848.6	1302.9	1045.7	788.6	608.6	565.7
82.5°	505.7	582.9	*591.4*	454.3	471.4	840.0	565.7	462.9	351.4	317.1
85°	222.9	248.6	*240.0*	154.3	154.3	342.9	197.1	188.6	137.1	137.1
87.5°	8.6	17.1	*8.6*	8.6	8.6	34.3	17.1	25.7	25.7	25.7
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

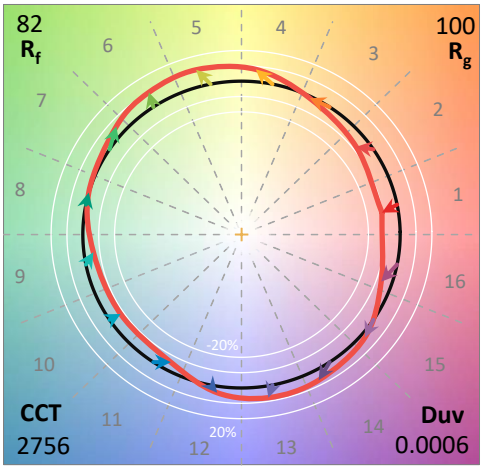
Test Information

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

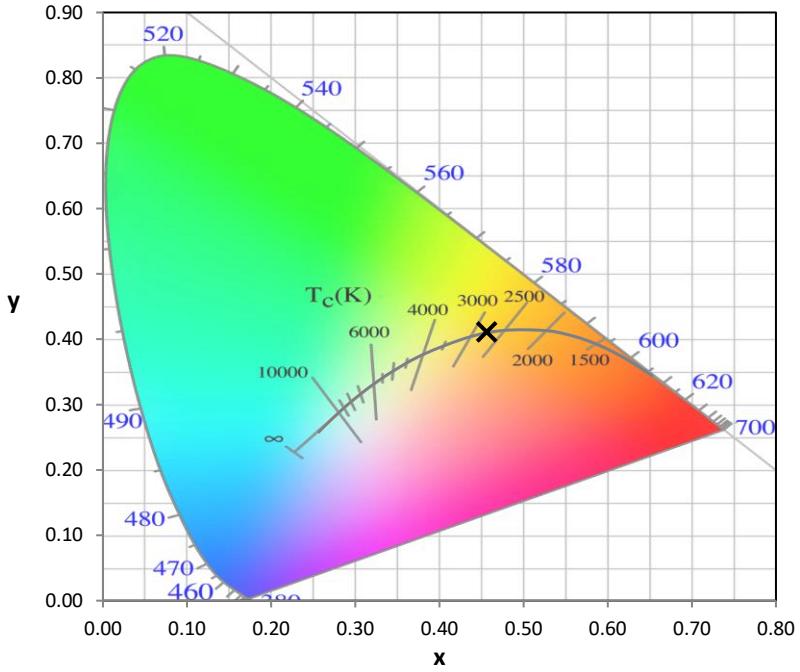
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

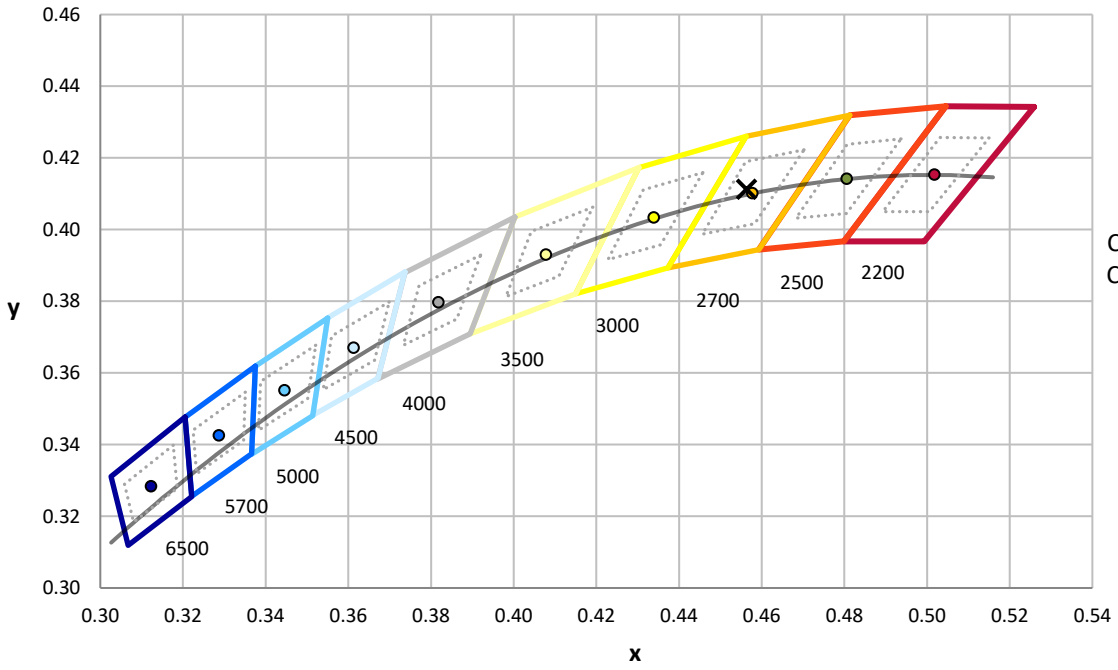
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

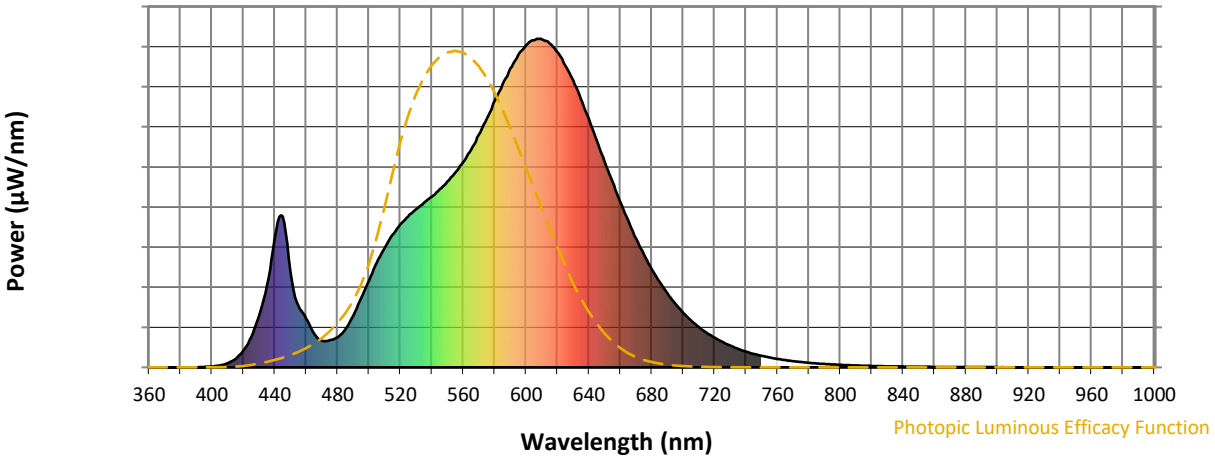


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

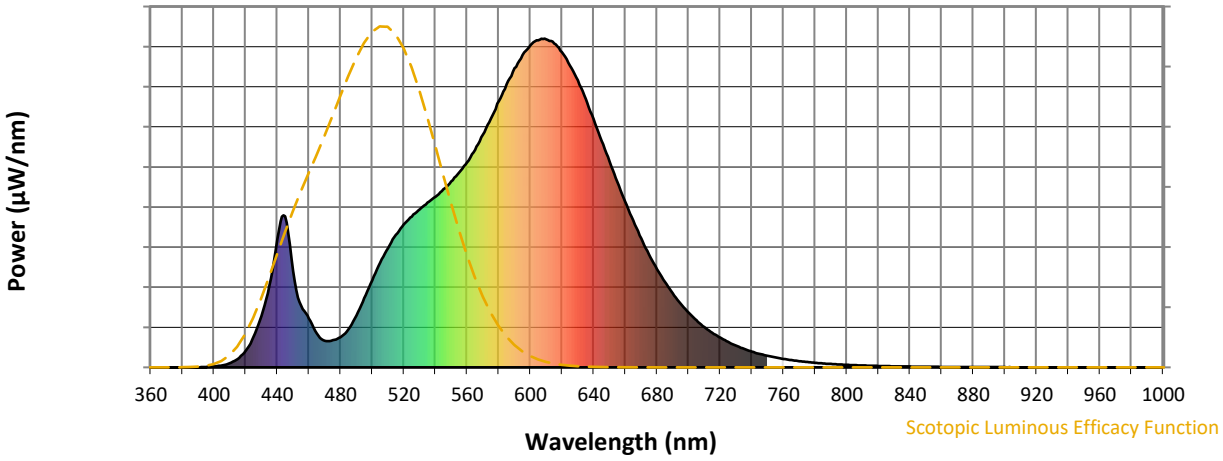


Photopic Lumens: NR

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

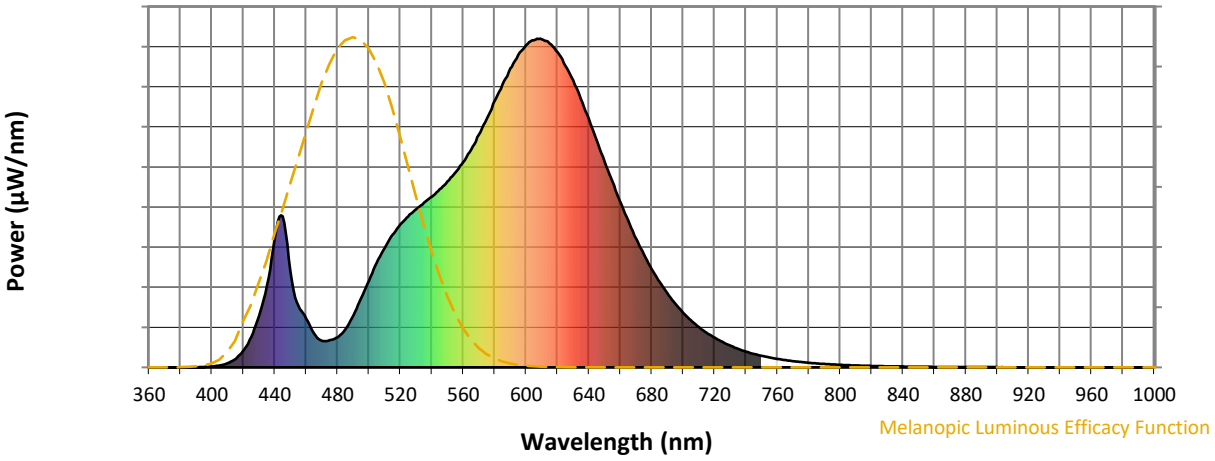


Scotopic Lumens: NR **S/P: 1.2**

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			

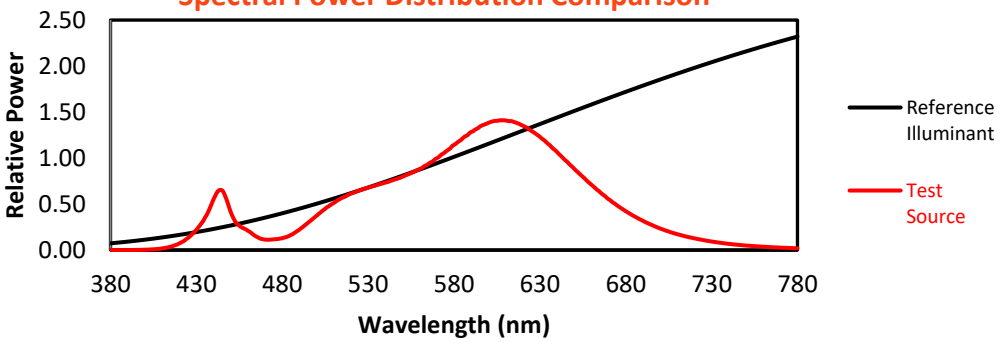
REPORT NUMBER: SP1-2407-184-8

TM-30-18

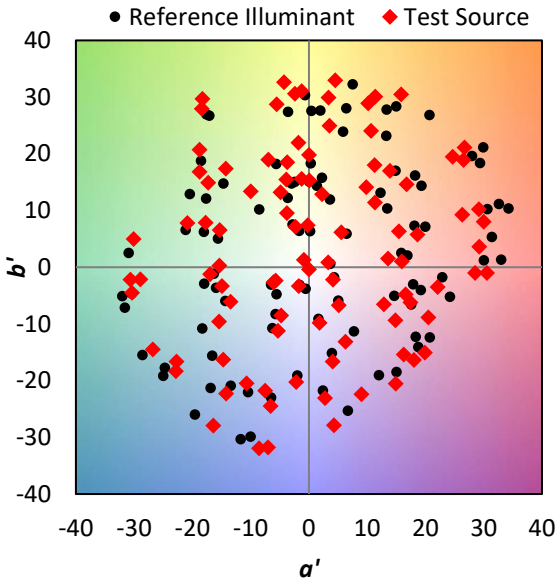
Summary

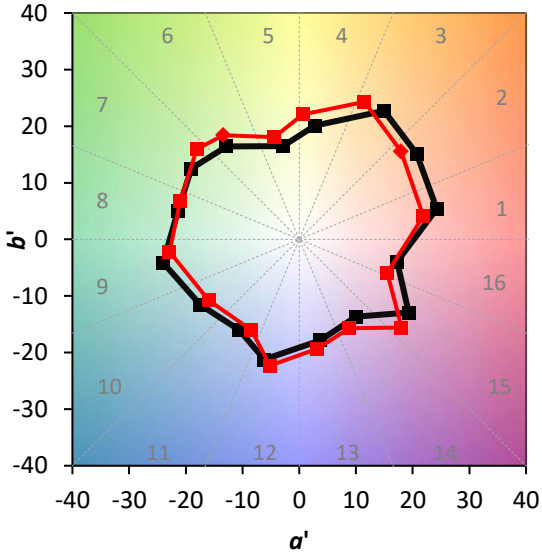
R_f = 82.2
R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

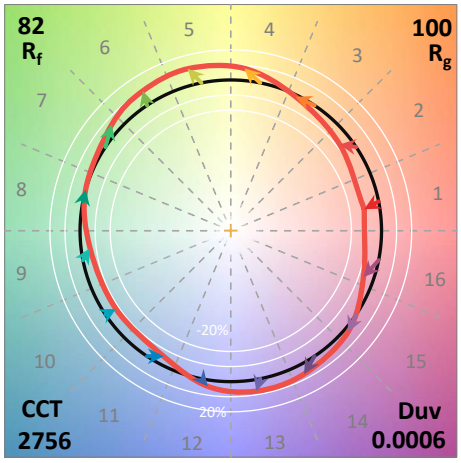
Spectral Power Distribution Comparison

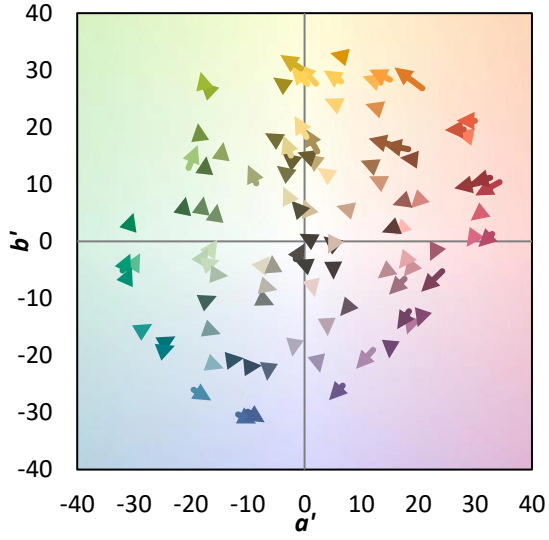


Color Vector Graphics







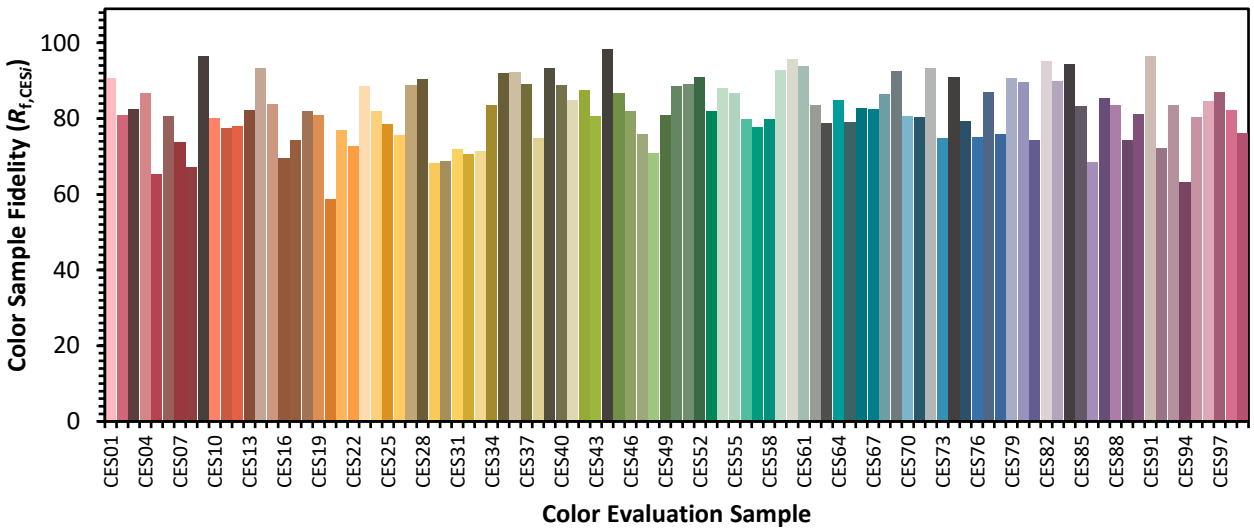


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Individual Sample Fidelity Index ($R_{f,i}$)

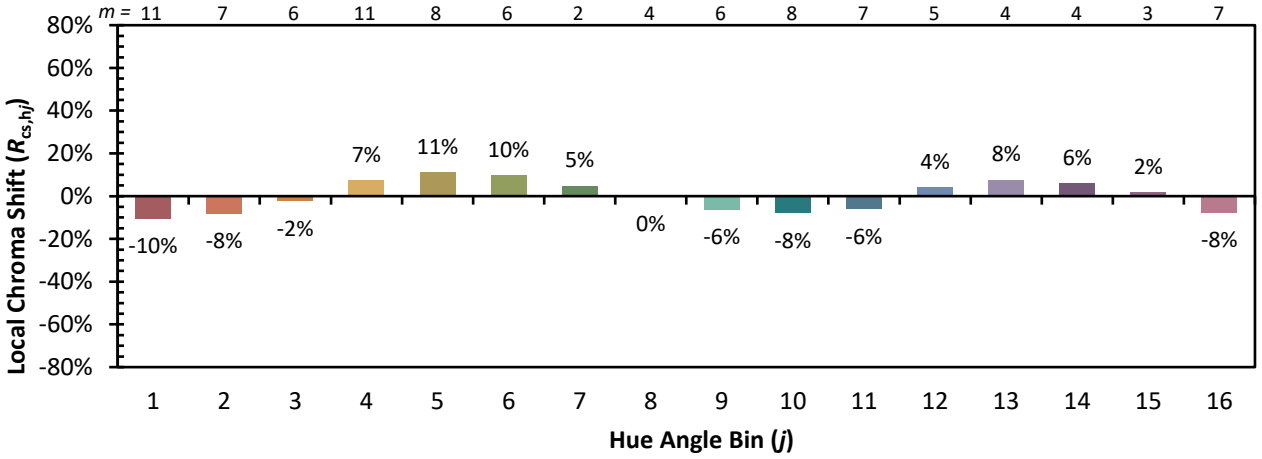
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82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

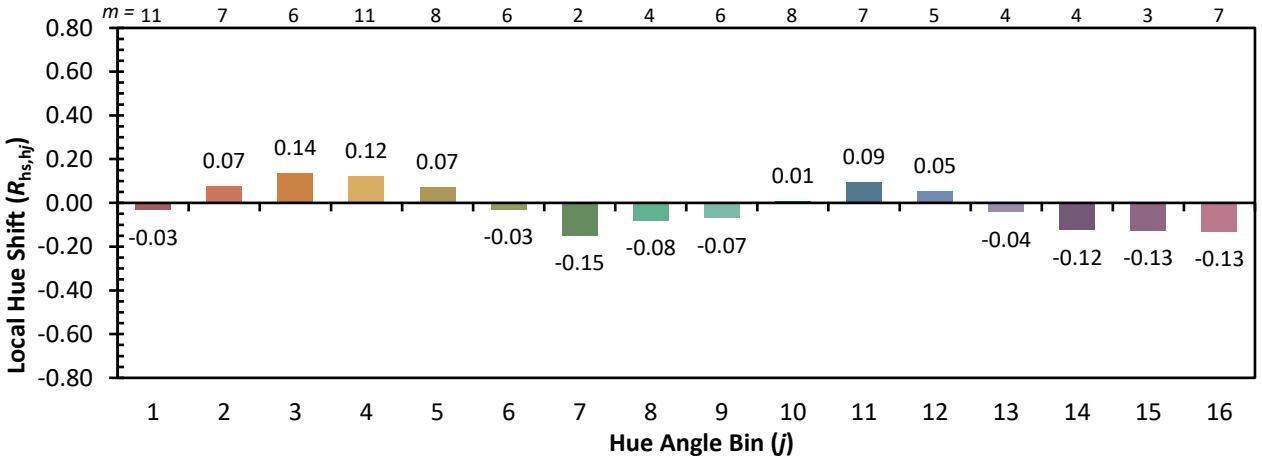


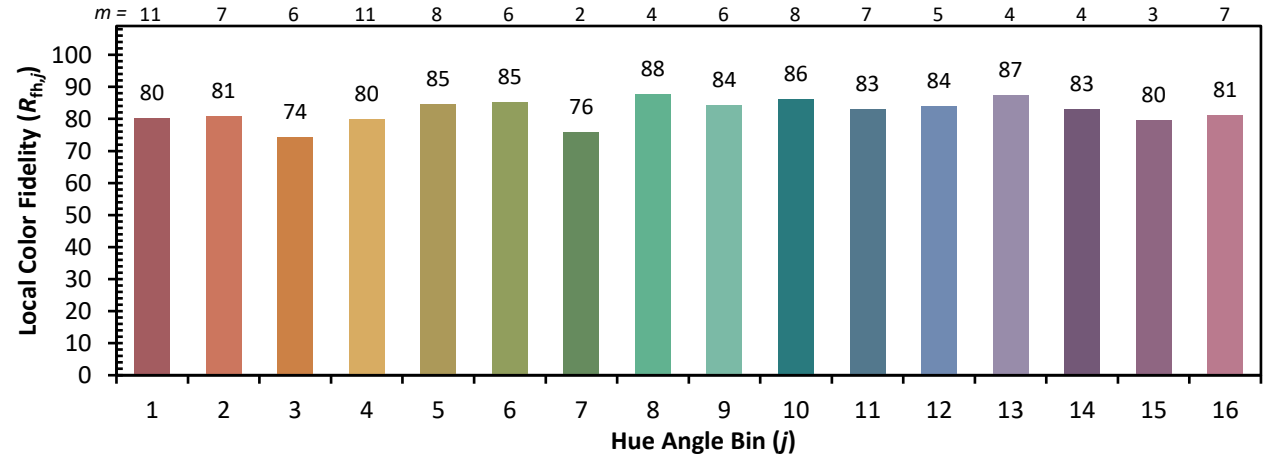
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Color Rendition by Hue-Angle Bin



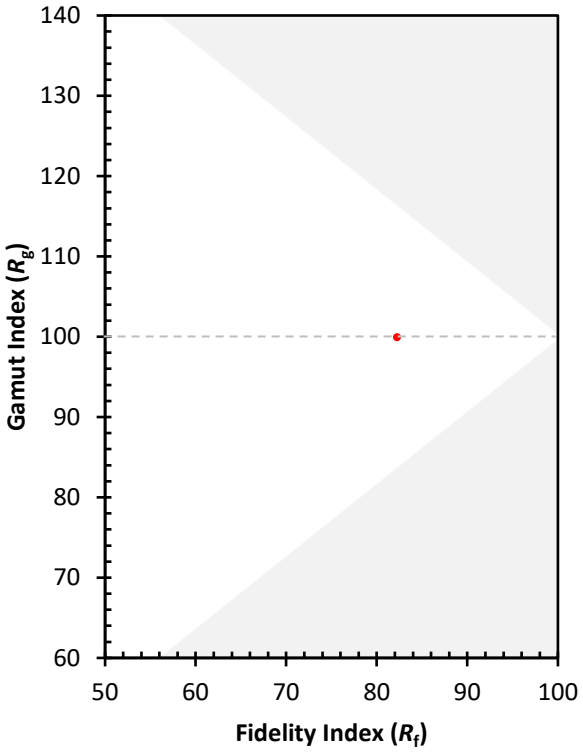


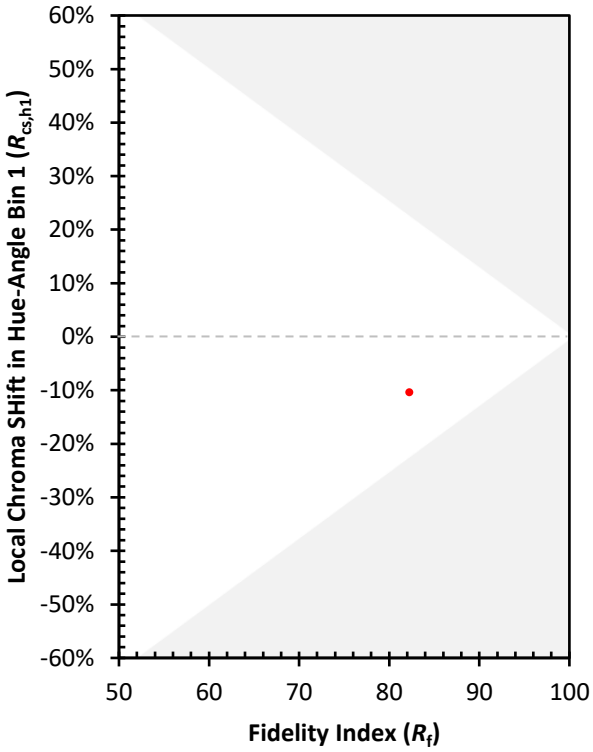


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Measure Comparisons





(END OF REPORT)