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: P1501763

Luminaire Tested: GSS-SB2C-727-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501763
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2C-727-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10397.2 lumens
Efficiency:	N/A
Efficacy:	101.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

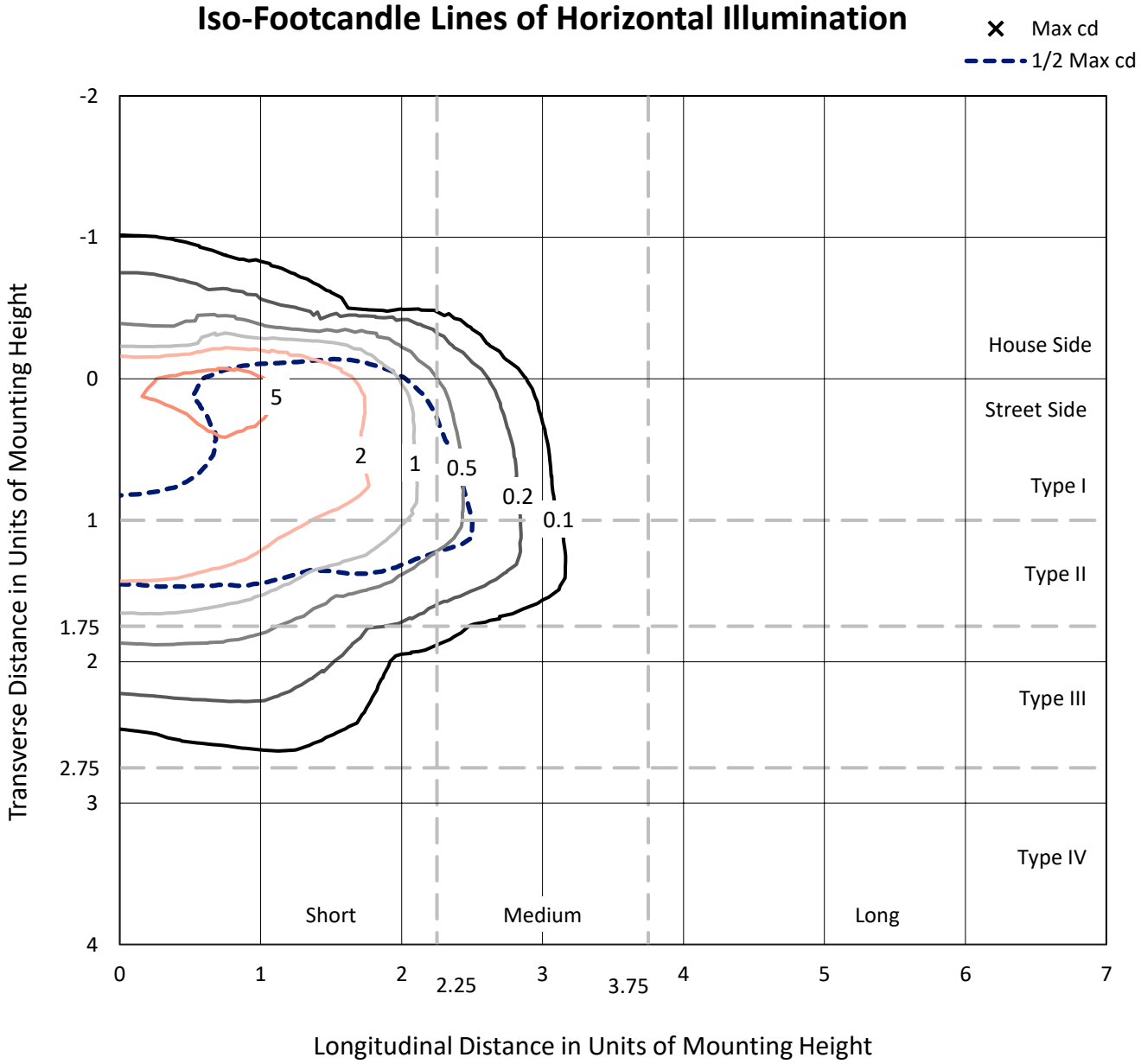
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



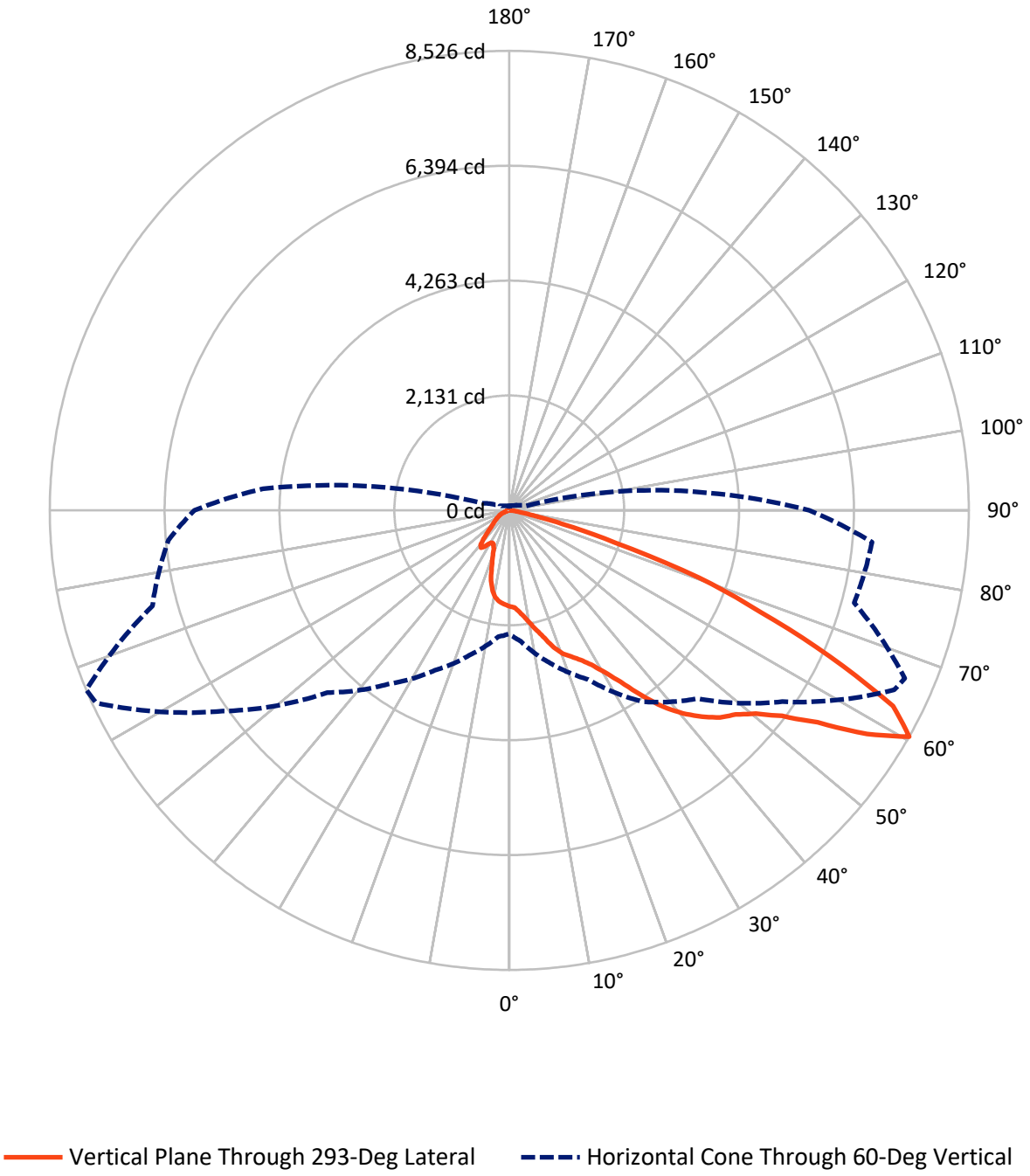
Based on 20 foot mounting height. Maximum calculated value = 7.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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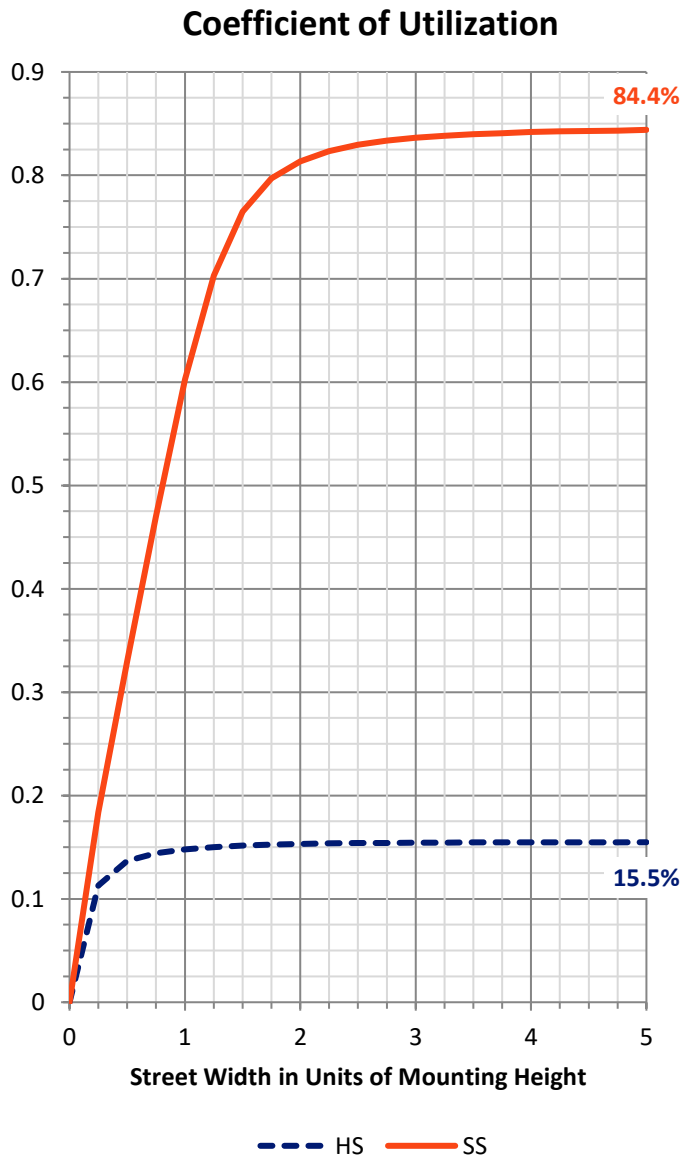
REPORT NUMBER: P1501763
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1622.2	0.0	1622.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	8775.0	0.0	8775.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	10397.2	0.0	10397.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.3	1.6
10°-20°	406.4	3.9
20°-30°	758.6	7.3
30°-40°	1504.4	14.5
40°-50°	2398.6	23.1
50°-60°	2865.8	27.6
60°-70°	1878.7	18.1
70°-80°	393.6	3.8
80°-90°	29.8	0.3
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°	10397.2	100.0
0°-180°	10397.2	100.0



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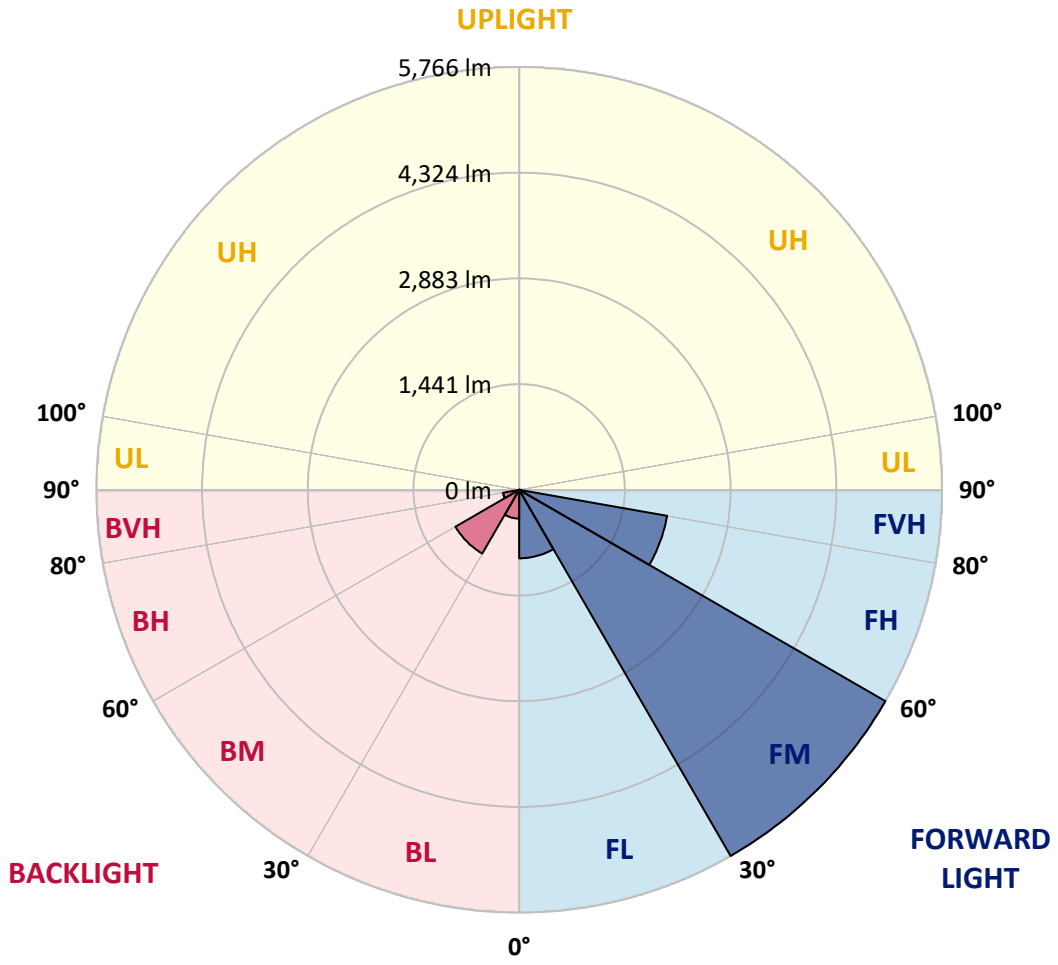
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	933.9	9.0			
FM	(30°-60°)	5765.7	55.5			
FH	(60°-80°)	2048.2	19.7			G2/5000
FVH	(80°-90°)	27.3	0.3			G1/100
BL	(0°-30°)	392.5	3.8	B1/500		
BM	(30°-60°)	1003.2	9.6	B2/2500		
BH	(60°-80°)	224.1	2.2	B1/500		G1/500
BVH	(80°-90°)	2.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0
2.5°	1872.2	1866.4	1857.7	1860.6	1857.7	1846.0	1828.6	1814.0	1825.7	1808.2	1796.5
5°	1927.6	1927.6	1921.7	1921.7	1924.7	1918.8	1907.2	1886.8	1889.7	1875.2	1837.3
7.5°	1927.6	1918.8	1933.4	1947.9	1974.2	1988.7	1994.5	1982.9	1988.7	1959.6	1910.1
10°	1814.0	1808.2	1846.0	1901.4	1977.1	2044.0	2087.7	2090.6	2099.4	2070.2	2012.0
12.5°	1572.3	1560.7	1636.4	1741.2	1895.5	2049.9	2172.2	2218.7	2239.1	2227.5	2145.9
15°	1348.1	1362.7	1415.1	1528.7	1735.4	1971.2	2218.7	2373.1	2402.2	2416.7	2320.6
17.5°	1324.8	1327.7	1345.2	1400.5	1557.8	1843.1	2224.6	2533.2	2574.0	2638.0	2507.0
20°	1388.9	1383.1	1400.5	1418.0	1493.7	1729.6	2169.2	2687.5	2766.1	2903.0	2760.3
22.5°	1508.3	1508.3	1517.0	1528.7	1566.5	1720.8	2145.9	2830.2	2964.1	3243.7	3077.7
25°	1709.2	1685.9	1691.7	1677.2	1709.2	1825.7	2198.4	2943.8	3127.2	3622.2	3456.2
27.5°	2020.7	2029.5	1977.1	1898.4	1915.9	2014.9	2326.5	3071.9	3296.1	4015.3	3840.6
30°	2451.7	2437.1	2405.1	2250.8	2180.9	2268.2	2562.3	3281.5	3523.2	4513.2	4353.0
32.5°	2789.4	2830.2	2774.9	2667.1	2559.4	2585.6	2894.3	3619.3	3799.8	4970.3	4883.0
35°	3197.1	3197.1	3208.7	3057.3	2984.5	2978.7	3310.6	3986.2	4166.7	5383.8	5444.9
37.5°	3747.4	3709.5	3645.5	3476.6	3421.3	3494.1	3700.8	4364.7	4559.8	5718.6	5881.7
40°	4210.4	4236.6	4227.8	3983.2	3875.5	3954.1	4137.6	4687.9	4839.3	5934.1	6234.0
42.5°	4664.6	4679.2	4641.3	4524.8	4367.6	4373.4	4524.8	4932.5	5086.8	6140.8	6566.0
45°	5005.3	5002.4	4976.1	4947.0	4853.9	4757.8	4784.0	5203.3	5337.2	6207.8	6746.5
47.5°	5113.0	5136.3	5159.6	5241.1	5305.2	5153.8	5019.8	5348.9	5471.1	6196.2	6813.5
50°	5014.0	5063.5	5177.1	5299.4	5517.7	5506.1	5217.8	5506.1	5625.5	6260.2	6892.1
52.5°	4792.7	4842.2	4993.6	5214.9	5543.9	5707.0	5584.7	5771.1	5910.8	6423.3	7055.1
55°	4277.3	4297.7	4609.3	4900.4	5412.9	5619.6	5977.8	6219.5	6335.9	6621.3	7270.6
57.5°	3482.4	3531.9	3837.7	4312.3	5046.0	5389.6	6202.0	6985.2	6982.3	6810.5	7317.2
60°	*2291.5*	*2437.1*	*2935.0*	*3459.1*	*4335.6*	*4938.3*	*6187.4*	*7882.1*	*7972.3*	*6624.2*	*6755.2*
62.5°	1750.0	1811.1	2093.5	2530.3	3208.7	4093.9	6091.3	8149.9	8219.8	6123.4	5913.7
65°	1316.1	1391.8	1662.6	2052.8	2265.3	2774.9	5462.4	7084.2	7180.3	5465.3	4597.6
67.5°	806.5	867.7	1228.8	1685.9	1715.0	1723.7	3686.3	5366.3	5401.3	4408.4	3095.2
70°	538.7	599.8	850.2	1295.7	1365.6	992.9	2023.7	4061.9	4059.0	3016.6	1881.0
72.5°	311.6	340.7	538.7	955.0	1074.4	631.8	1010.4	2582.7	2469.1	1418.0	879.3
75°	177.6	198.0	297.0	614.4	754.1	401.8	398.9	1383.1	1222.9	730.8	480.4
77.5°	107.7	116.5	163.1	401.8	454.2	270.8	221.3	643.5	620.2	428.0	253.3
80°	52.4	61.1	99.0	235.9	291.2	145.6	133.9	253.3	270.8	235.9	133.9
82.5°	17.5	23.3	55.3	90.3	189.3	58.2	55.3	139.8	148.5	139.8	64.1
85°	8.7	11.6	26.2	29.1	72.8	29.1	20.4	61.1	75.7	46.6	26.2
87.5°	0.0	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8	5.8
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°	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0
2.5°	1787.8	1782.0	1770.3	1750.0	1747.0	1732.5	1709.2	1694.6	1683.0	1691.7	1694.6
5°	1819.8	1805.3	1770.3	1715.0	1656.8	1598.5	1543.2	1479.2	1435.5	1429.7	1418.0
7.5°	1878.1	1848.9	1773.2	1665.5	1517.0	1377.2	1214.2	1057.0	978.3	966.7	940.5
10°	1971.2	1921.7	1796.5	1578.2	1292.8	1001.6	754.1	585.3	489.2	471.7	477.5
12.5°	2081.9	2012.0	1799.4	1429.7	984.2	620.2	428.0	364.0	343.6	334.8	334.8
15°	2224.6	2122.7	1796.5	1237.5	663.9	398.9	343.6	317.4	308.6	302.8	302.8
17.5°	2405.1	2271.2	1776.2	949.2	448.4	346.5	314.5	294.1	282.4	279.5	279.5
20°	2617.6	2437.1	1729.6	707.6	375.6	323.2	297.0	270.8	262.1	256.2	256.2
22.5°	2888.4	2638.0	1639.3	550.3	355.2	308.6	279.5	250.4	241.7	235.9	235.9
25°	3202.9	2894.3	1519.9	495.0	352.3	297.0	262.1	232.9	224.2	221.3	218.4
27.5°	3575.6	3168.0	1409.3	497.9	358.1	288.3	244.6	218.4	209.6	200.9	203.8
30°	4015.3	3450.4	1319.0	532.8	364.0	279.5	232.9	209.6	200.9	189.3	189.3
32.5°	4449.1	3782.3	1310.3	596.9	384.3	273.7	221.3	198.0	189.3	180.5	180.5
35°	4894.6	4085.2	1359.8	681.3	425.1	265.0	206.7	186.4	177.6	171.8	168.9
37.5°	5319.7	4326.8	1406.4	733.8	401.8	227.1	189.3	171.8	163.1	151.4	151.4
40°	5602.2	4457.9	1415.1	693.0	331.9	203.8	171.8	154.3	142.7	136.9	133.9
42.5°	5808.9	4542.3	1316.1	562.0	288.3	186.4	157.2	139.8	131.0	125.2	125.2
45°	5893.3	4513.2	1147.2	428.0	265.0	171.8	142.7	128.1	122.3	116.5	116.5
47.5°	5881.7	4379.2	975.4	343.6	241.7	157.2	133.9	122.3	116.5	110.6	107.7
50°	5861.3	4254.0	800.7	305.7	215.5	148.5	125.2	116.5	107.7	101.9	99.0
52.5°	5995.3	4213.3	663.9	279.5	200.9	142.7	122.3	110.6	101.9	96.1	96.1
55°	6129.2	4230.7	521.2	262.1	186.4	139.8	119.4	107.7	99.0	90.3	90.3
57.5°	6120.5	4155.0	396.0	244.6	174.7	136.9	116.5	104.8	90.3	84.4	84.4
60°	*5564.3*	*3706.6*	*308.6*	*224.2*	*160.1*	*128.1*	*107.7*	*99.0*	*84.4*	*75.7*	*75.7*
62.5°	4705.4	2914.6	253.3	198.0	142.7	116.5	99.0	90.3	75.7	61.1	61.1
65°	3476.6	2102.3	203.8	171.8	131.0	101.9	90.3	78.6	61.1	49.5	46.6
67.5°	2352.7	1292.8	163.1	142.7	116.5	87.4	75.7	67.0	55.3	40.8	37.9
70°	1394.7	687.2	119.4	99.0	87.4	64.1	64.1	58.2	46.6	34.9	32.0
72.5°	663.9	238.8	87.4	72.8	67.0	46.6	49.5	49.5	37.9	26.2	23.3
75°	337.8	116.5	58.2	52.4	43.7	34.9	40.8	37.9	26.2	17.5	17.5
77.5°	192.2	81.5	40.8	34.9	29.1	23.3	26.2	23.3	14.6	8.7	8.7
80°	107.7	58.2	26.2	23.3	17.5	14.6	14.6	11.6	8.7	2.9	2.9
82.5°	40.8	34.9	17.5	11.6	8.7	8.7	5.8	5.8	2.9	0.0	0.0
85°	17.5	8.7	8.7	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
87.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0
2.5°	1671.3	1677.2	1683.0	1706.3	1712.1	1729.6	1744.1	1761.6	1764.5	1787.8	1787.8
5°	1441.3	1438.4	1487.9	1560.7	1607.3	1671.3	1720.8	1773.2	1802.4	1840.2	1857.7
7.5°	955.0	1027.8	1138.5	1266.6	1432.6	1586.9	1703.4	1805.3	1875.2	1918.8	1936.3
10°	474.6	515.4	631.8	841.5	1123.9	1438.4	1685.9	1875.2	1988.7	2038.2	2070.2
12.5°	334.8	343.6	364.0	477.5	748.3	1193.8	1630.6	1950.9	2108.1	2201.3	2242.0
15°	299.9	305.7	314.5	346.5	463.0	891.0	1531.6	2035.3	2294.4	2402.2	2454.6
17.5°	276.6	279.5	288.3	314.5	364.0	605.6	1371.4	2125.6	2518.6	2649.7	2748.7
20°	256.2	256.2	265.0	297.0	337.8	465.9	1141.4	2227.5	2804.0	2993.3	3092.3
22.5°	232.9	238.8	244.6	279.5	329.0	425.1	925.9	2306.1	3121.4	3351.4	3467.9
25°	215.5	221.3	227.1	262.1	320.3	425.1	800.7	2355.6	3476.6	3750.3	3910.5
27.5°	200.9	206.7	215.5	250.4	311.6	442.6	751.2	2370.1	3863.9	4219.1	4434.6
30°	189.3	195.1	203.8	241.7	317.4	463.0	768.7	2349.8	4257.0	4702.4	4958.7
32.5°	177.6	183.4	192.2	232.9	317.4	489.2	826.9	2309.0	4638.4	5185.8	5500.3
35°	168.9	171.8	174.7	209.6	288.3	486.3	899.7	2268.2	5022.7	5663.3	6030.2
37.5°	151.4	154.3	160.1	180.5	230.0	442.6	914.3	2218.7	5325.6	6065.1	6469.9
40°	133.9	139.8	145.6	166.0	192.2	358.1	850.2	2113.9	5485.7	6373.8	6865.9
42.5°	122.3	125.2	131.0	151.4	177.6	285.3	713.4	1930.5	5628.4	6583.4	7154.1
45°	113.6	116.5	122.3	136.9	166.0	247.5	562.0	1706.3	5640.0	6650.4	7293.9
47.5°	104.8	107.7	110.6	125.2	160.1	221.3	430.9	1502.5	5637.1	6737.7	7413.3
50°	99.0	101.9	107.7	119.4	151.4	198.0	355.2	1336.5	5759.4	6927.0	7654.9
52.5°	96.1	96.1	104.8	116.5	142.7	180.5	297.0	1188.0	5823.5	7113.4	7829.6
55°	90.3	93.2	99.0	110.6	133.9	171.8	253.3	1001.6	5852.6	7206.5	7861.7
57.5°	84.4	87.4	96.1	104.8	128.1	163.1	218.4	748.3	5436.2	6720.3	7325.9
60°	*75.7*	*81.5*	*93.2*	*101.9*	*119.4*	*148.5*	*192.2*	*506.6*	*4586.0*	*5840.9*	*6347.6*
62.5°	61.1	72.8	84.4	90.3	107.7	125.2	163.1	337.8	3663.0	4833.5	5410.0
65°	46.6	61.1	69.9	78.6	90.3	104.8	136.9	230.0	2442.9	3252.4	3901.7
67.5°	40.8	52.4	58.2	64.1	75.7	90.3	110.6	160.1	1482.1	1953.8	2594.4
70°	32.0	43.7	49.5	46.6	58.2	69.9	78.6	107.7	757.1	1059.9	1476.2
72.5°	23.3	34.9	37.9	37.9	34.9	49.5	58.2	75.7	329.0	515.4	669.7
75°	17.5	23.3	26.2	23.3	20.4	32.0	40.8	49.5	215.5	308.6	390.2
77.5°	8.7	8.7	14.6	14.6	8.7	17.5	20.4	29.1	122.3	180.5	224.2
80°	2.9	0.0	0.0	2.9	0.0	5.8	8.7	14.6	64.1	96.1	139.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	32.0	29.1	72.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	17.5
87.5°	0.0	0.0	0.0	0.0	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: P1501763
CATALOG NUMBER: GSS-SB2C-727-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1782.0	*1782.0*	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0	1782.0
2.5°	1802.4	*1802.4*	1814.0	1831.5	1840.2	1846.0	1848.9	1854.8	1878.1	1872.2
5°	1878.1	*1883.9*	1892.6	1910.1	1930.5	1924.7	1924.7	1924.7	1939.2	1927.6
7.5°	1977.1	*1994.5*	1997.4	2017.8	2003.3	1974.2	1956.7	1930.5	1927.6	1927.6
10°	2137.2	*2131.4*	2131.4	2105.2	2052.8	1968.3	1892.6	1840.2	1811.1	1814.0
12.5°	2309.0	*2285.7*	2288.6	2192.5	2044.0	1857.7	1703.4	1589.8	1581.1	1572.3
15°	2521.6	*2460.4*	2448.8	2227.5	1913.0	1627.7	1476.2	1386.0	1356.9	1348.1
17.5°	2824.4	*2670.1*	2614.7	2166.3	1741.2	1485.0	1371.4	1330.7	1327.7	1324.8
20°	3144.7	*2838.9*	2734.1	2076.1	1683.0	1487.9	1403.5	1391.8	1386.0	1388.9
22.5°	3517.4	*2946.7*	2812.7	2090.6	1735.4	1584.0	1517.0	1508.3	1502.5	1508.3
25°	3901.7	*3071.9*	2905.9	2207.1	1892.6	1761.6	1683.0	1665.5	1683.0	1709.2
27.5°	4289.0	*3240.8*	3089.3	2437.1	2145.9	2003.3	1927.6	1991.6	2017.8	2020.7
30°	4632.6	*3476.6*	3336.8	2760.3	2434.2	2291.5	2306.1	2387.6	2419.6	2451.7
32.5°	4947.0	*3791.1*	3683.3	3127.2	2806.9	2722.5	2713.7	2774.9	2809.8	2789.4
35°	5264.4	*4201.6*	4096.8	3526.1	3264.1	3194.2	3121.4	3240.8	3229.1	3197.1
37.5°	5564.3	*4615.1*	4519.0	3954.1	3683.3	3561.0	3549.4	3657.1	3753.2	3747.4
40°	5779.8	*4949.9*	4833.5	4379.2	4123.0	4018.2	4079.3	4265.7	4242.4	4210.4
42.5°	5977.8	*5235.3*	5130.5	4751.9	4484.1	4530.7	4586.0	4711.2	4696.6	4664.6
45°	6071.0	*5479.9*	5389.6	5034.4	4903.4	5051.9	5048.9	5095.5	5016.9	5005.3
47.5°	6202.0	*5654.6*	5561.4	5287.7	5404.2	5465.3	5293.5	5244.0	5171.2	5113.0
50°	6443.7	*5925.4*	5832.2	5672.1	5771.1	5581.8	5372.1	5264.4	5115.9	5014.0
52.5°	6726.1	*6335.9*	6254.4	6190.3	5913.7	5523.6	5255.7	5060.6	4880.1	4792.7
55°	7081.3	*6941.6*	6883.3	6531.0	5785.6	5284.8	4970.3	4606.4	4358.9	4277.3
57.5°	7197.8	*7829.6*	7809.3	6586.3	5427.5	4850.9	4283.2	3791.1	3534.8	3482.4
60°	*6854.2*	*8525.5*	*8452.8*	*6493.2*	*4778.2*	*3936.7*	*3272.8*	*2769.1*	*2352.7*	*2291.5*
62.5°	6414.5	*7992.7*	7966.5	6024.4	3639.7	2821.5	2445.9	1974.2	1796.5	1750.0
65°	5494.4	*6539.7*	6551.4	4833.5	2303.2	2026.6	2009.1	1569.4	1351.0	1316.1
67.5°	4230.7	*5016.9*	4935.4	3039.8	1342.3	1621.8	1604.4	1147.2	829.8	806.5
70°	2472.1	*3735.8*	3604.7	1581.1	888.1	1354.0	1234.6	806.5	564.9	538.7
72.5°	1091.9	*2055.7*	2207.1	695.9	626.0	1077.3	891.0	495.0	317.4	311.6
75°	605.6	*1019.1*	1065.7	302.8	439.7	765.8	538.7	276.6	180.5	177.6
77.5°	364.0	*451.3*	439.7	195.1	329.0	489.2	326.1	157.2	113.6	107.7
80°	203.8	*206.7*	174.7	142.7	195.1	273.7	183.4	99.0	52.4	52.4
82.5°	125.2	*113.6*	90.3	43.7	52.4	166.0	67.0	55.3	17.5	17.5
85°	52.4	*34.9*	23.3	8.7	20.4	43.7	23.3	26.2	8.7	8.7
87.5°	0.0	*0.0*	0.0	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

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

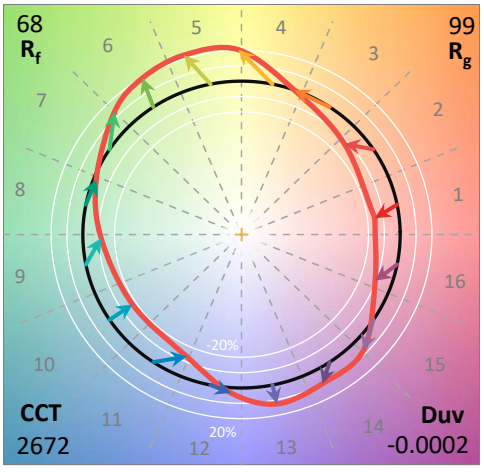
Test Information

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

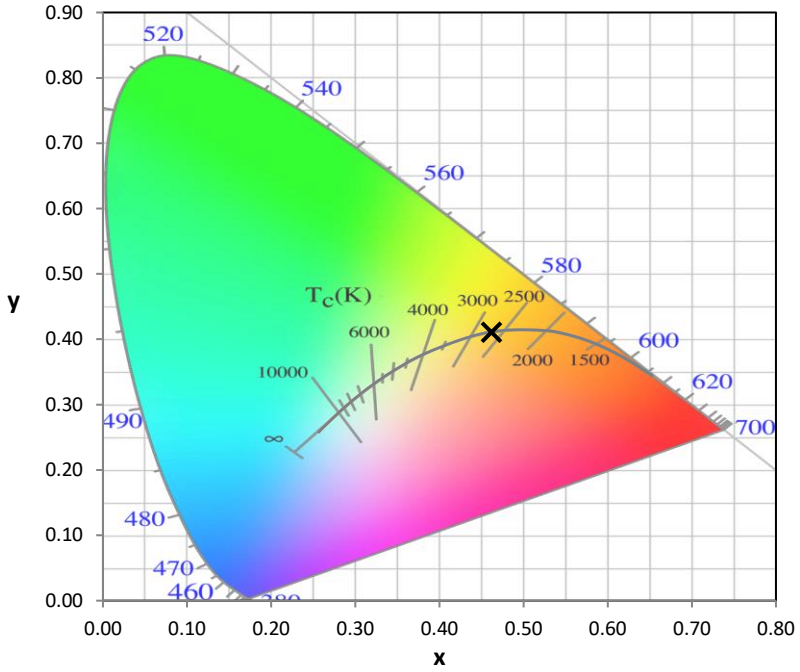
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

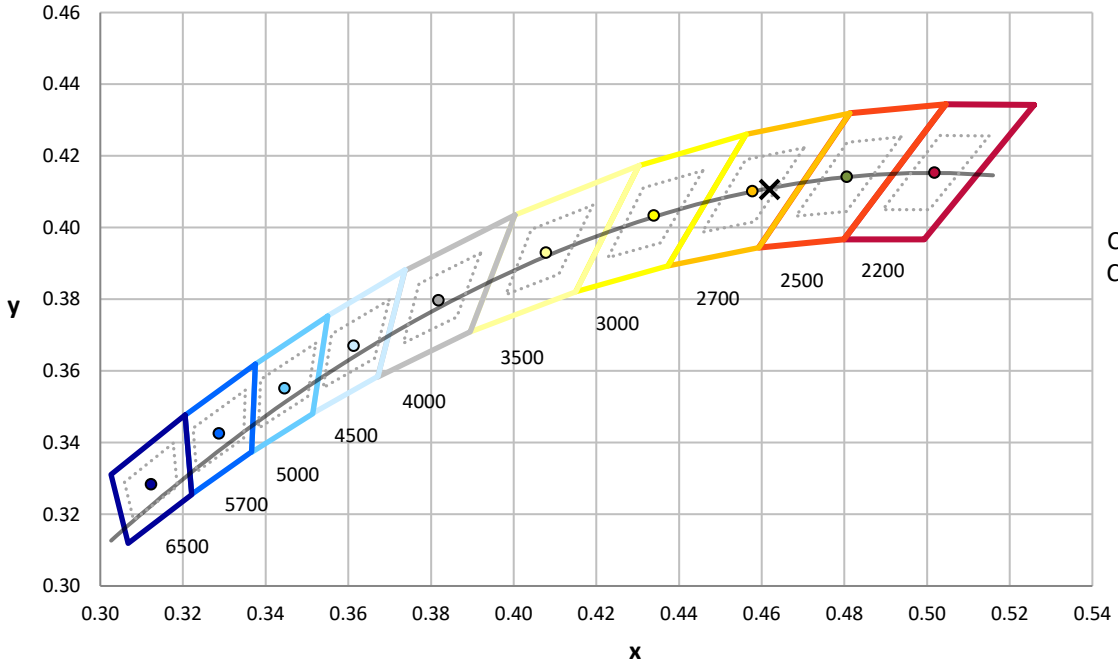
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

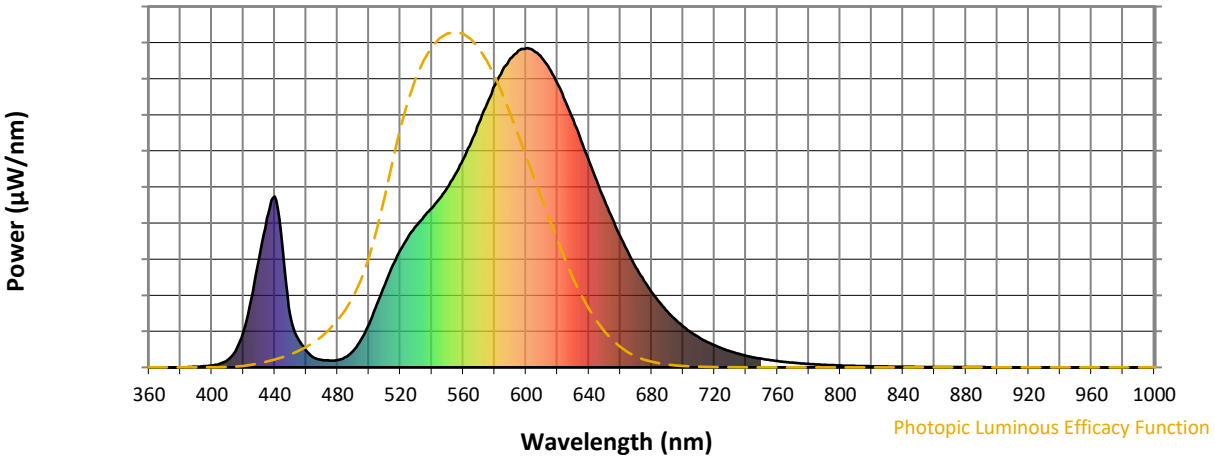


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

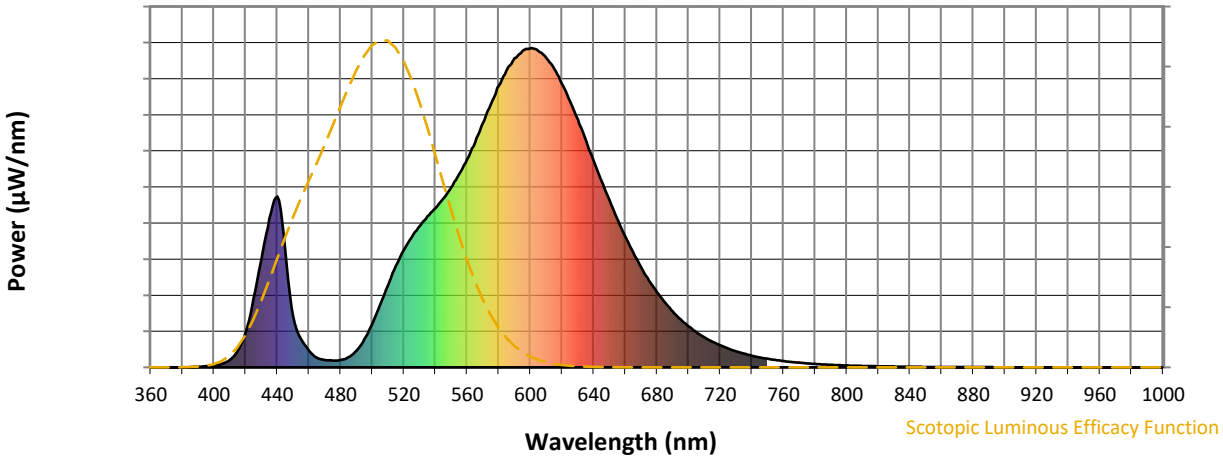


Photopic Lumens: NR

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

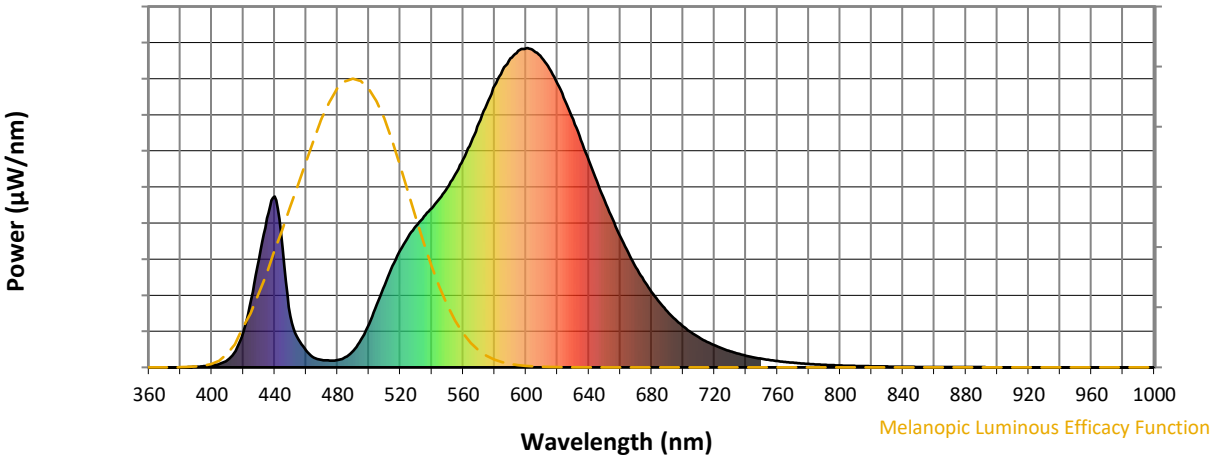


Scotopic Lumens: NR **S/P: 1.02**

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			

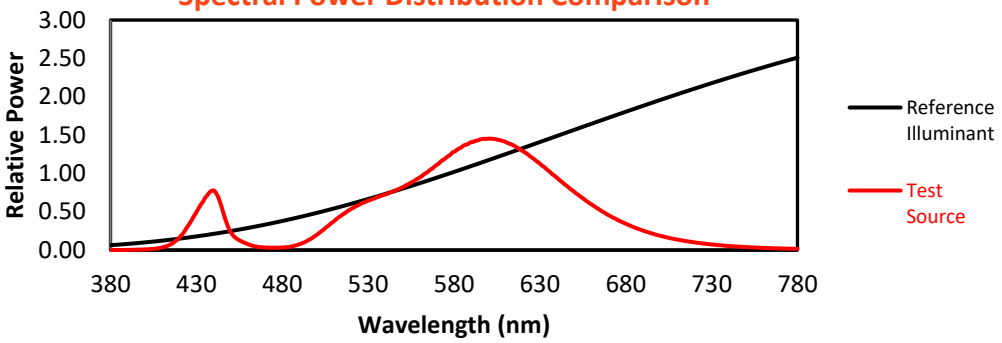
REPORT NUMBER: SP1-2407-184-3

TM-30-18

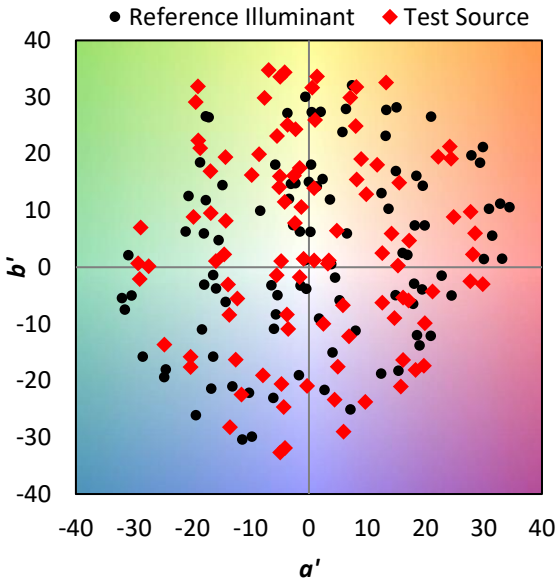
Summary

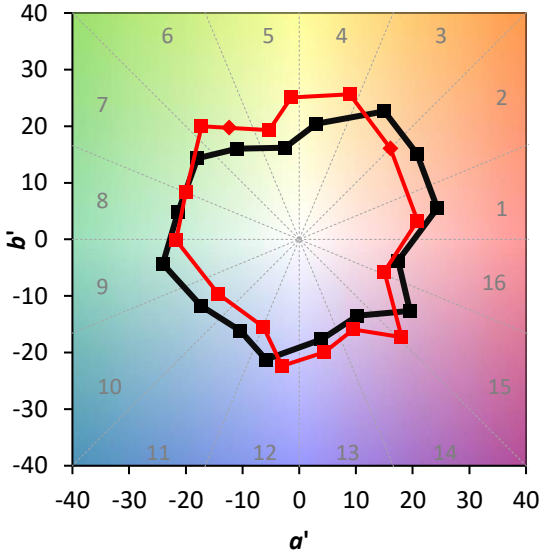
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

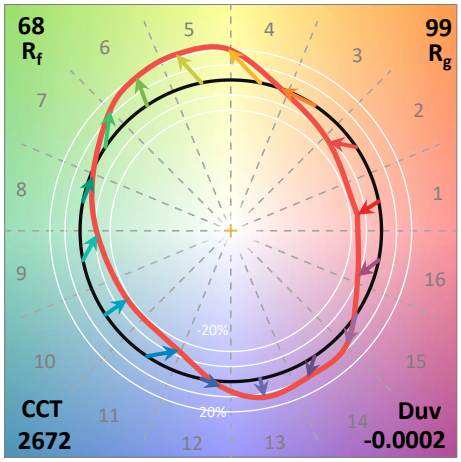
Spectral Power Distribution Comparison

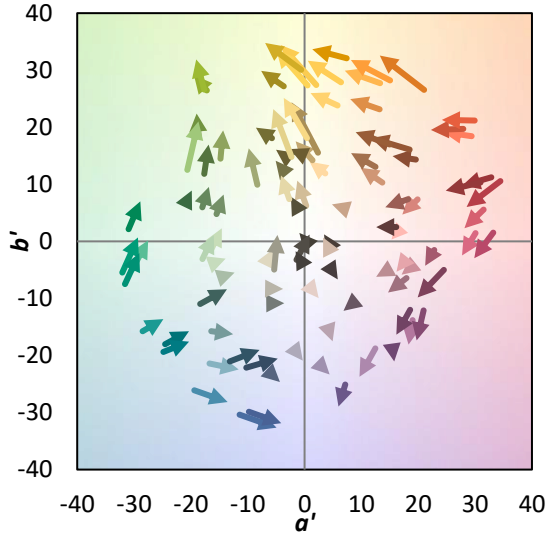


Color Vector Graphics







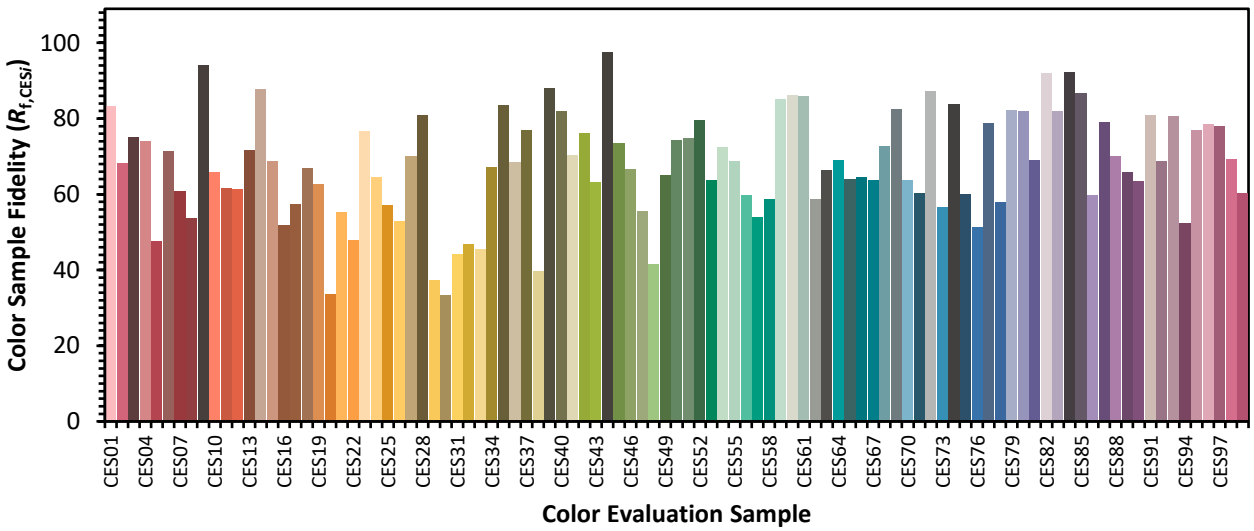


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Individual Sample Fidelity Index ($R_{f,i}$)

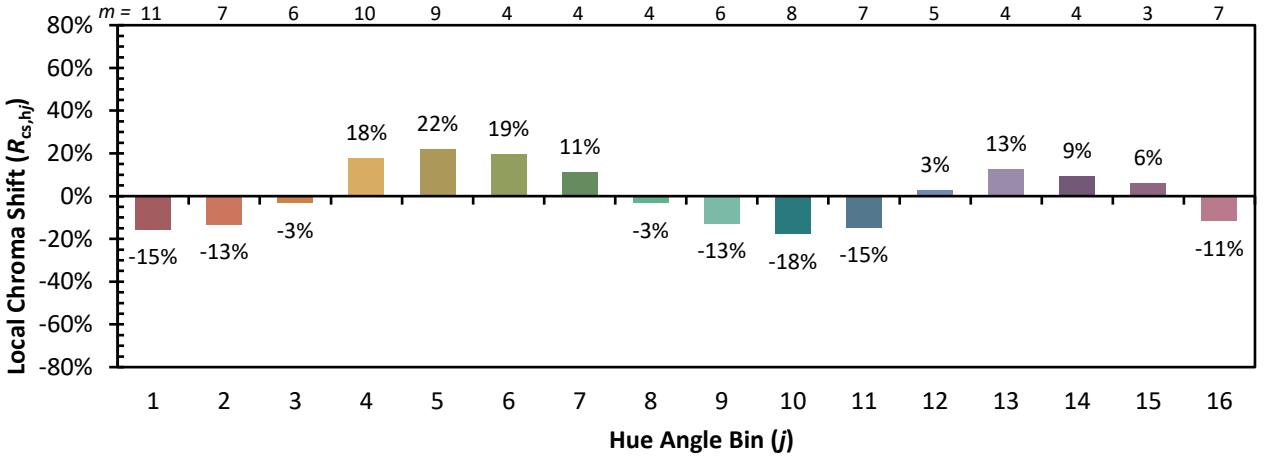
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CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 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
CES25 = 73	CES50 = 74	CES75 = 60	

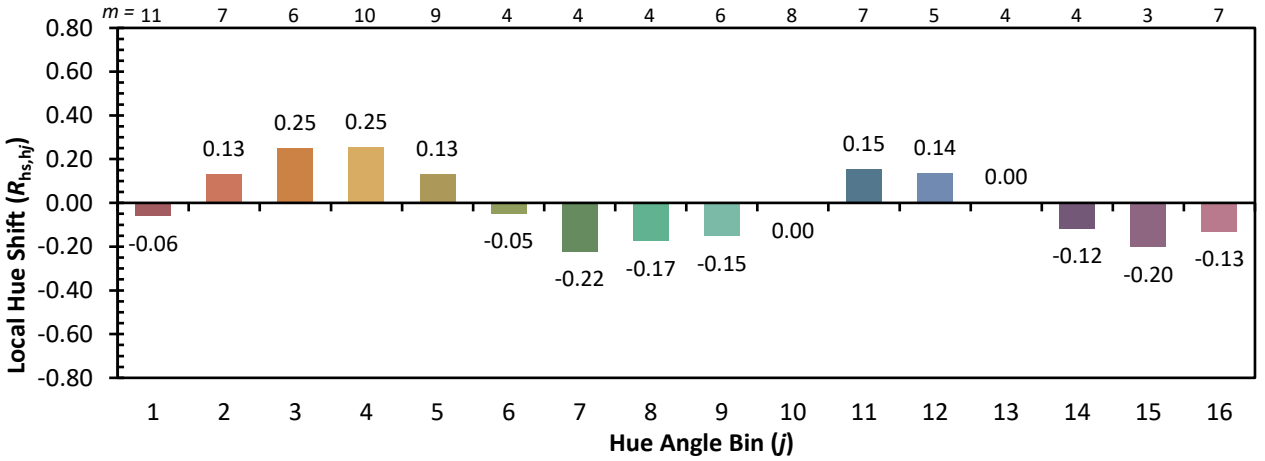


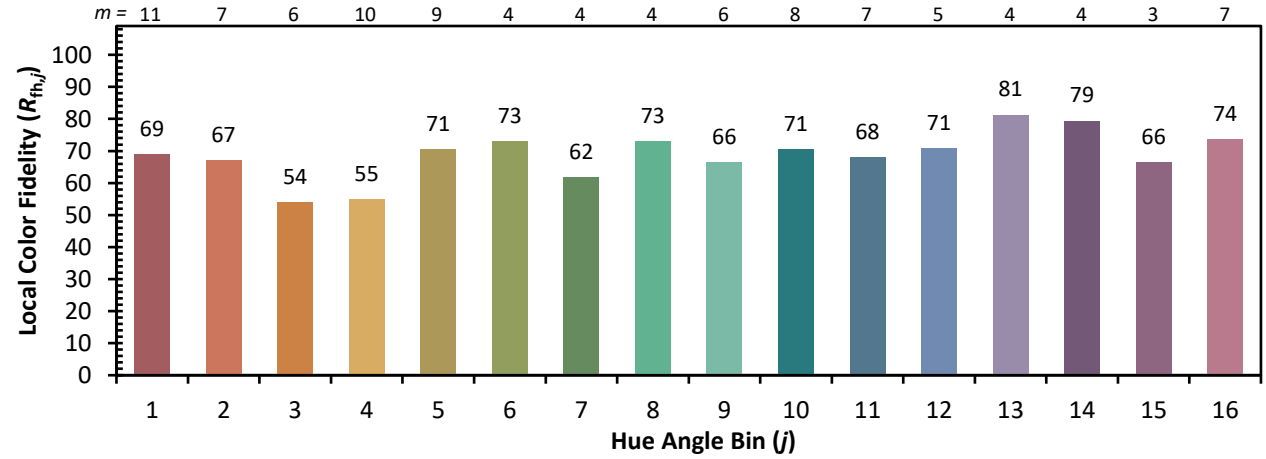
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Color Rendition by Hue-Angle Bin



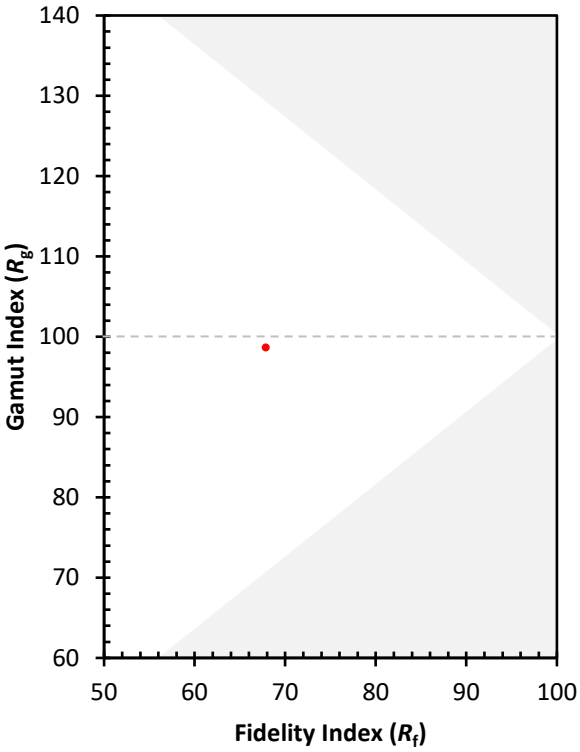


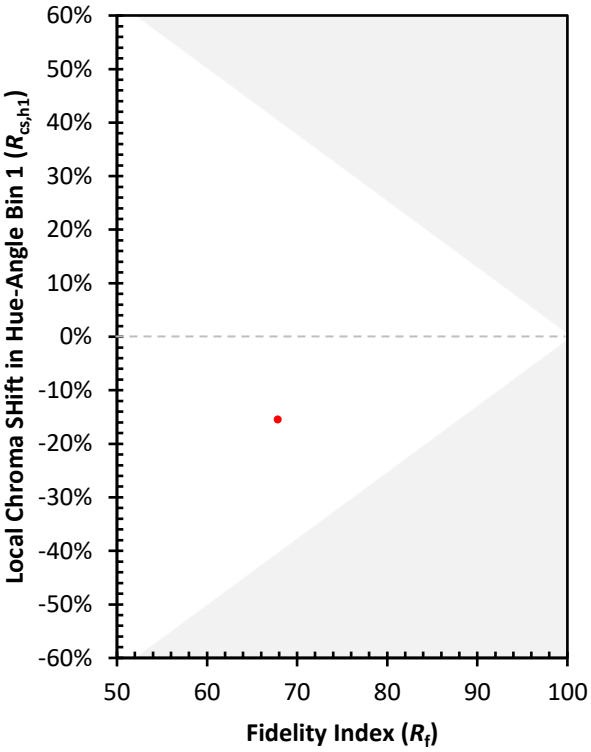


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Measure Comparisons





(END OF REPORT)