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: P1501899

Luminaire Tested: GSS-SB6C-827-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501899
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-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30611.9 lumens
Efficiency:	N/A
Efficacy:	102.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

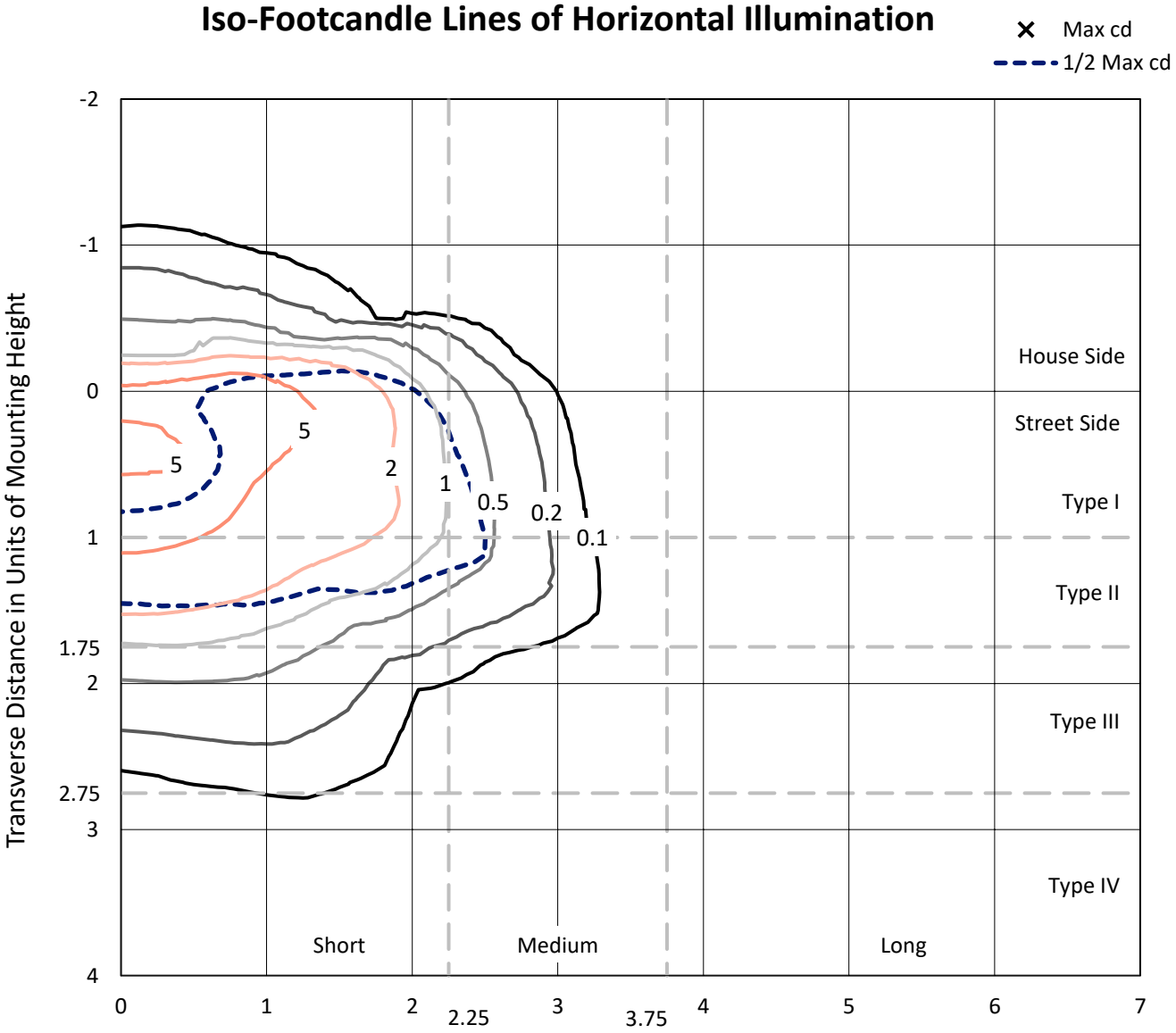
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



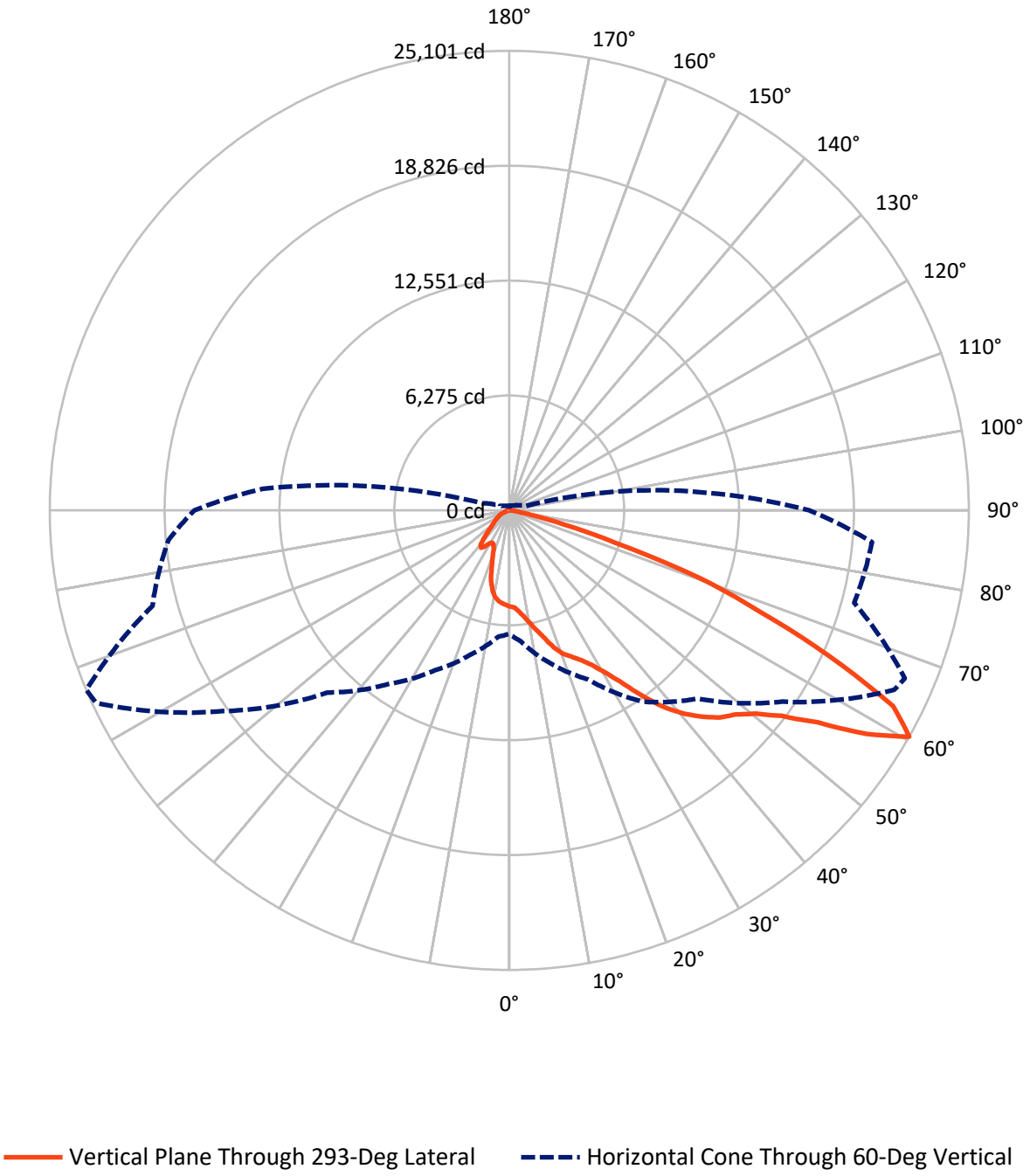
Based on 30 foot mounting height. Maximum calculated value = 9.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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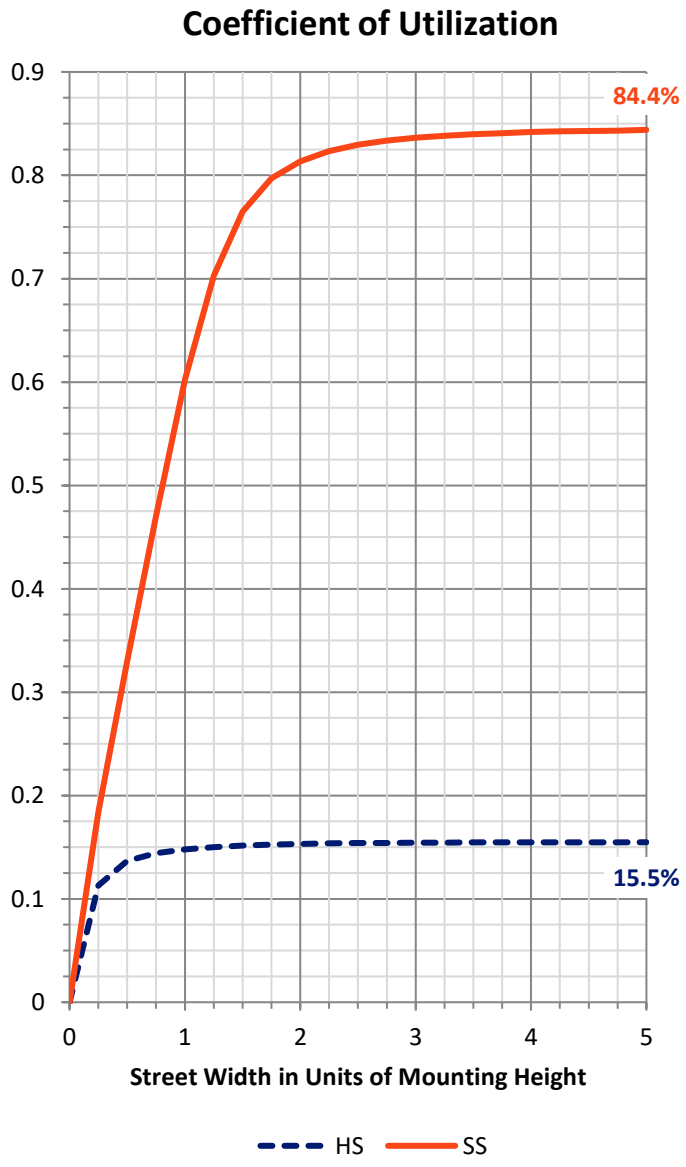
REPORT NUMBER: P1501899
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4776.2	0.0	4776.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	25835.7	0.0	25835.7
	% Fixture	84.4	0.0	84.4
Total	Lumens	30611.9	0.0	30611.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.0	1.6
10°-20°	1196.5	3.9
20°-30°	2233.6	7.3
30°-40°	4429.4	14.5
40°-50°	7062.1	23.1
50°-60°	8437.5	27.6
60°-70°	5531.3	18.1
70°-80°	1158.8	3.8
80°-90°	87.7	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°	30611.9	100.0
0°-180°	30611.9	100.0



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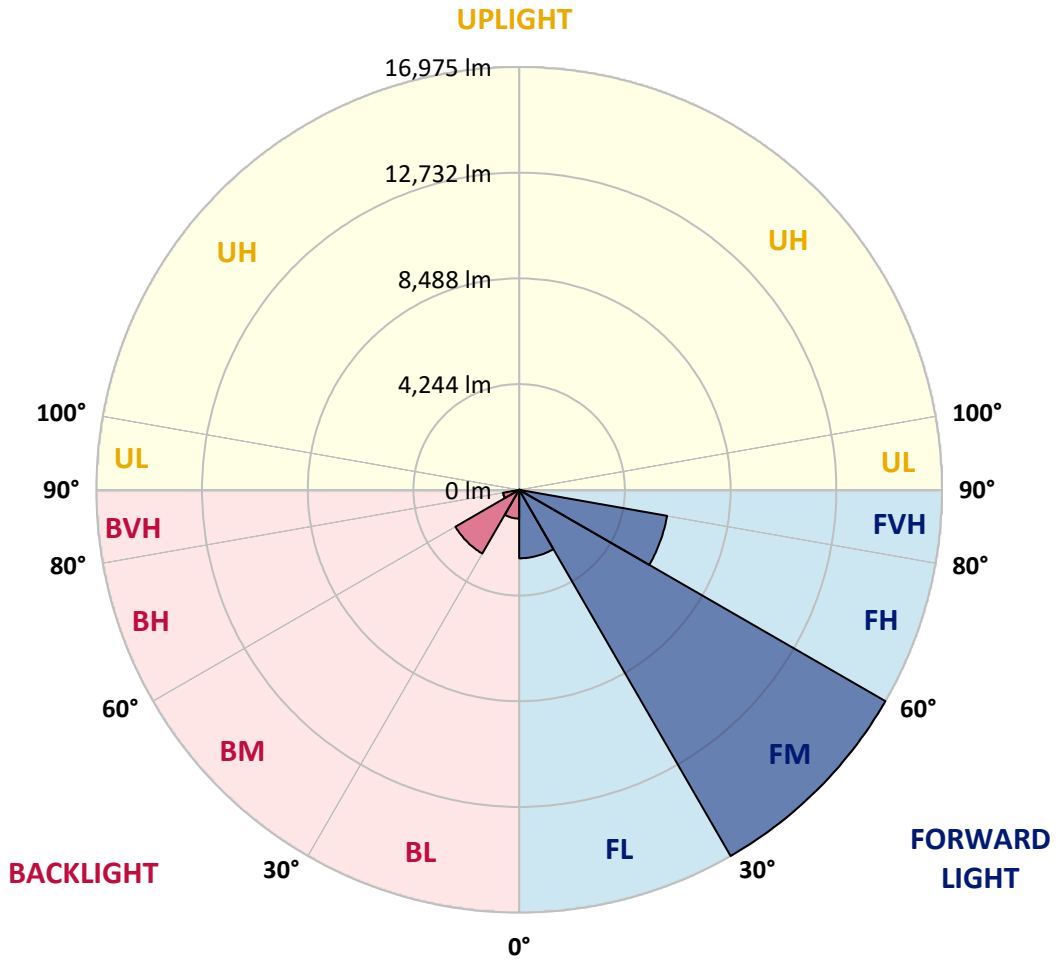
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2749.6	9.0			
FM	(30°-60°)	16975.4	55.5			
FH	(60°-80°)	6030.4	19.7			G3/7500
FVH	(80°-90°)	80.3	0.3			G1/100
BL	(0°-30°)	1155.5	3.8	B3/2500		
BM	(30°-60°)	2953.6	9.6	B3/5000		
BH	(60°-80°)	659.8	2.2	B2/1000		G2/1000
BVH	(80°-90°)	7.3	0.0			G0/10
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°	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6
2.5°	5512.3	5495.2	5469.5	5478.0	5469.5	5435.2	5383.7	5340.9	5375.2	5323.7	5289.4
5°	5675.2	5675.2	5658.1	5658.1	5666.6	5649.5	5615.2	5555.2	5563.8	5520.9	5409.4
7.5°	5675.2	5649.5	5692.3	5735.2	5812.4	5855.2	5872.4	5838.1	5855.2	5769.5	5623.8
10°	5340.9	5323.7	5435.2	5598.0	5820.9	6018.1	6146.7	6155.3	6181.0	6095.3	5923.8
12.5°	4629.3	4595.0	4817.9	5126.5	5580.9	6035.3	6395.3	6532.5	6592.5	6558.2	6318.2
15°	3969.2	4012.1	4166.4	4500.7	5109.4	5803.8	6532.5	6986.8	7072.6	7115.4	6832.5
17.5°	3900.6	3909.2	3960.6	4123.5	4586.5	5426.6	6549.6	7458.3	7578.4	7767.0	7381.2
20°	4089.2	4072.1	4123.5	4175.0	4397.9	5092.3	6386.7	7912.7	8144.2	8547.1	8127.0
22.5°	4440.7	4440.7	4466.4	4500.7	4612.2	5066.5	6318.2	8332.8	8727.1	9550.1	9061.5
25°	5032.2	4963.7	4980.8	4937.9	5032.2	5375.2	6472.5	8667.1	9207.2	10664.6	10175.9
27.5°	5949.5	5975.3	5820.9	5589.5	5640.9	5932.4	6849.7	9044.3	9704.4	11821.9	11307.5
30°	7218.3	7175.4	7081.1	6626.8	6421.0	6678.2	7544.1	9661.6	10373.1	13287.9	12816.4
32.5°	8212.8	8332.8	8169.9	7852.7	7535.5	7612.7	8521.4	10656.0	11187.5	14633.8	14376.6
35°	9412.9	9412.9	9447.2	9001.5	8787.1	8770.0	9747.3	11736.2	12267.7	15851.1	16031.2
37.5°	11033.2	10921.8	10733.2	10235.9	10073.1	10287.4	10896.0	12850.6	13425.0	16837.0	17317.1
40°	12396.3	12473.4	12447.7	11727.6	11410.4	11641.9	12182.0	13802.2	14248.0	17471.4	18354.4
42.5°	13733.6	13776.5	13665.1	13322.2	12859.2	12876.4	13322.2	14522.3	14976.7	18080.1	19331.7
45°	14736.7	14728.1	14650.9	14565.2	14290.9	14008.0	14085.1	15319.6	15714.0	18277.2	19863.2
47.5°	15053.9	15122.4	15191.0	15431.1	15619.7	15173.9	14779.5	15748.3	16108.3	18242.9	20060.4
50°	14762.4	14908.1	15242.5	15602.5	16245.5	16211.2	15362.5	16211.2	16562.7	18431.5	20291.8
52.5°	14110.9	14256.6	14702.4	15353.9	16322.6	16802.7	16442.7	16991.3	17402.8	18911.6	20771.9
55°	12593.5	12653.5	13570.8	14428.0	15936.9	16545.5	17600.0	18311.5	18654.4	19494.6	21406.3
57.5°	10253.1	10398.8	11299.0	12696.3	14856.7	15868.3	18260.1	20566.2	20557.6	20051.8	21543.5
60°	*6746.8*	*7175.4*	*8641.4*	*10184.5*	*12764.9*	*14539.5*	*18217.2*	*23206.6*	*23472.4*	*19503.2*	*19888.9*
62.5°	5152.3	5332.3	6163.9	7449.8	9447.2	12053.4	17934.3	23995.3	24201.1	18028.6	17411.4
65°	3874.9	4097.8	4895.1	6043.8	6669.6	8169.9	16082.6	20857.7	21140.6	16091.2	13536.5
67.5°	2374.7	2554.7	3617.7	4963.7	5049.4	5075.1	10853.2	15799.7	15902.6	12979.2	9112.9
70°	1586.0	1766.0	2503.3	3814.9	4020.6	2923.3	5958.1	11959.1	11950.5	8881.4	5538.0
72.5°	917.3	1003.0	1586.0	2811.9	3163.4	1860.3	2974.8	7604.1	7269.7	4175.0	2589.0
75°	522.9	583.0	874.4	1808.9	2220.4	1183.0	1174.5	4072.1	3600.6	2151.8	1414.5
77.5°	317.2	342.9	480.1	1183.0	1337.4	797.3	651.5	1894.6	1826.0	1260.2	745.8
80°	154.3	180.0	291.5	694.4	857.3	428.6	394.3	745.8	797.3	694.4	394.3
82.5°	51.4	68.6	162.9	265.8	557.2	171.5	162.9	411.5	437.2	411.5	188.6
85°	25.7	34.3	77.2	85.7	214.3	85.7	60.0	180.0	222.9	137.2	77.2
87.5°	0.0	8.6	8.6	8.6	8.6	8.6	8.6	17.1	17.1	17.1	17.1
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°	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6
2.5°	5263.7	5246.6	5212.3	5152.3	5143.7	5100.8	5032.2	4989.4	4955.1	4980.8	4989.4
5°	5358.0	5315.1	5212.3	5049.4	4877.9	4706.5	4543.6	4355.0	4226.4	4209.3	4175.0
7.5°	5529.5	5443.7	5220.8	4903.6	4466.4	4054.9	3574.9	3111.9	2880.5	2846.2	2769.0
10°	5803.8	5658.1	5289.4	4646.5	3806.3	2949.0	2220.4	1723.1	1440.2	1388.8	1405.9
12.5°	6129.6	5923.8	5298.0	4209.3	2897.6	1826.0	1260.2	1071.6	1011.6	985.9	985.9
15°	6549.6	6249.6	5289.4	3643.4	1954.6	1174.5	1011.6	934.4	908.7	891.6	891.6
17.5°	7081.1	6686.8	5229.4	2794.7	1320.2	1020.2	925.9	865.9	831.6	823.0	823.0
20°	7707.0	7175.4	5092.3	2083.2	1105.9	951.6	874.4	797.3	771.6	754.4	754.4
22.5°	8504.2	7767.0	4826.5	1620.3	1045.9	908.7	823.0	737.3	711.5	694.4	694.4
25°	9430.1	8521.4	4475.0	1457.4	1037.3	874.4	771.6	685.8	660.1	651.5	643.0
27.5°	10527.4	9327.2	4149.2	1466.0	1054.5	848.7	720.1	643.0	617.2	591.5	600.1
30°	11821.9	10158.8	3883.5	1568.8	1071.6	823.0	685.8	617.2	591.5	557.2	557.2
32.5°	13099.3	11136.1	3857.8	1757.4	1131.6	805.8	651.5	583.0	557.2	531.5	531.5
35°	14410.9	12027.7	4003.5	2006.0	1251.6	780.1	608.7	548.7	522.9	505.8	497.2
37.5°	15662.5	12739.2	4140.7	2160.3	1183.0	668.7	557.2	505.8	480.1	445.8	445.8
40°	16494.1	13125.0	4166.4	2040.3	977.3	600.1	505.8	454.4	420.1	402.9	394.3
42.5°	17102.8	13373.6	3874.9	1654.6	848.7	548.7	462.9	411.5	385.8	368.6	368.6
45°	17351.4	13287.9	3377.7	1260.2	780.1	505.8	420.1	377.2	360.1	342.9	342.9
47.5°	17317.1	12893.5	2871.9	1011.6	711.5	462.9	394.3	360.1	342.9	325.8	317.2
50°	17257.1	12524.9	2357.5	900.1	634.4	437.2	368.6	342.9	317.2	300.0	291.5
52.5°	17651.4	12404.9	1954.6	823.0	591.5	420.1	360.1	325.8	300.0	282.9	282.9
55°	18045.8	12456.3	1534.5	771.6	548.7	411.5	351.5	317.2	291.5	265.8	265.8
57.5°	18020.1	12233.4	1165.9	720.1	514.4	402.9	342.9	308.6	265.8	248.6	248.6
60°	*16382.6*	*10913.2*	*908.7*	*660.1*	*471.5*	*377.2*	*317.2*	*291.5*	*248.6*	*222.9*	*222.9*
62.5°	13853.7	8581.4	745.8	583.0	420.1	342.9	291.5	265.8	222.9	180.0	180.0
65°	10235.9	6189.6	600.1	505.8	385.8	300.0	265.8	231.5	180.0	145.7	137.2
67.5°	6926.8	3806.3	480.1	420.1	342.9	257.2	222.9	197.2	162.9	120.0	111.4
70°	4106.4	2023.2	351.5	291.5	257.2	188.6	188.6	171.5	137.2	102.9	94.3
72.5°	1954.6	703.0	257.2	214.3	197.2	137.2	145.7	145.7	111.4	77.2	68.6
75°	994.4	342.9	171.5	154.3	128.6	102.9	120.0	111.4	77.2	51.4	51.4
77.5°	565.8	240.0	120.0	102.9	85.7	68.6	77.2	68.6	42.9	25.7	25.7
80°	317.2	171.5	77.2	68.6	51.4	42.9	42.9	34.3	25.7	8.6	8.6
82.5°	120.0	102.9	51.4	34.3	25.7	25.7	17.1	17.1	8.6	0.0	0.0
85°	51.4	25.7	25.7	17.1	17.1	8.6	8.6	8.6	0.0	0.0	0.0
87.5°	8.6	8.6	8.6	8.6	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6
2.5°	4920.8	4937.9	4955.1	5023.7	5040.8	5092.3	5135.1	5186.6	5195.1	5263.7	5263.7
5°	4243.5	4235.0	4380.7	4595.0	4732.2	4920.8	5066.5	5220.8	5306.6	5418.0	5469.5
7.5°	2811.9	3026.2	3352.0	3729.2	4217.8	4672.2	5015.1	5315.1	5520.9	5649.5	5700.9
10°	1397.4	1517.4	1860.3	2477.5	3309.1	4235.0	4963.7	5520.9	5855.2	6001.0	6095.3
12.5°	985.9	1011.6	1071.6	1405.9	2203.2	3514.9	4800.8	5743.8	6206.7	6481.0	6601.1
15°	883.0	900.1	925.9	1020.2	1363.1	2623.3	4509.3	5992.4	6755.4	7072.6	7226.9
17.5°	814.4	823.0	848.7	925.9	1071.6	1783.1	4037.8	6258.2	7415.5	7801.3	8092.7
20°	754.4	754.4	780.1	874.4	994.4	1371.7	3360.5	6558.2	8255.6	8812.9	9104.3
22.5°	685.8	703.0	720.1	823.0	968.7	1251.6	2726.2	6789.7	9190.1	9867.3	10210.2
25°	634.4	651.5	668.7	771.6	943.0	1251.6	2357.5	6935.4	10235.9	11041.8	11513.3
27.5°	591.5	608.7	634.4	737.3	917.3	1303.1	2211.8	6978.3	11376.1	12422.0	13056.4
30°	557.2	574.4	600.1	711.5	934.4	1363.1	2263.2	6918.3	12533.5	13845.1	14599.5
32.5°	522.9	540.1	565.8	685.8	934.4	1440.2	2434.7	6798.2	13656.5	15268.2	16194.0
35°	497.2	505.8	514.4	617.2	848.7	1431.7	2649.0	6678.2	14788.1	16674.1	17754.3
37.5°	445.8	454.4	471.5	531.5	677.3	1303.1	2691.9	6532.5	15679.7	17857.2	19048.8
40°	394.3	411.5	428.6	488.7	565.8	1054.5	2503.3	6223.9	16151.2	18765.9	20214.7
42.5°	360.1	368.6	385.8	445.8	522.9	840.1	2100.3	5683.8	16571.2	19383.1	21063.4
45°	334.3	342.9	360.1	402.9	488.7	728.7	1654.6	5023.7	16605.5	19580.3	21474.9
47.5°	308.6	317.2	325.8	368.6	471.5	651.5	1268.8	4423.6	16597.0	19837.5	21826.4
50°	291.5	300.0	317.2	351.5	445.8	583.0	1045.9	3934.9	16957.0	20394.7	22537.9
52.5°	282.9	282.9	308.6	342.9	420.1	531.5	874.4	3497.7	17145.6	20943.4	23052.3
55°	265.8	274.3	291.5	325.8	394.3	505.8	745.8	2949.0	17231.4	21217.7	23146.6
57.5°	248.6	257.2	282.9	308.6	377.2	480.1	643.0	2203.2	16005.4	19786.1	21569.2
60°	*222.9*	*240.0*	*274.3*	*300.0*	*351.5*	*437.2*	*565.8*	*1491.7*	*13502.2*	*17197.1*	*18688.7*
62.5°	180.0	214.3	248.6	265.8	317.2	368.6	480.1	994.4	10784.6	14230.9	15928.3
65°	137.2	180.0	205.7	231.5	265.8	308.6	402.9	677.3	7192.6	9575.8	11487.6
67.5°	120.0	154.3	171.5	188.6	222.9	265.8	325.8	471.5	4363.6	5752.4	7638.4
70°	94.3	128.6	145.7	137.2	171.5	205.7	231.5	317.2	2228.9	3120.5	4346.4
72.5°	68.6	102.9	111.4	111.4	102.9	145.7	171.5	222.9	968.7	1517.4	1971.7
75°	51.4	68.6	77.2	68.6	60.0	94.3	120.0	145.7	634.4	908.7	1148.8
77.5°	25.7	25.7	42.9	42.9	25.7	51.4	60.0	85.7	360.1	531.5	660.1
80°	8.6	0.0	0.0	8.6	0.0	17.1	25.7	42.9	188.6	282.9	411.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	94.3	85.7	214.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1	51.4
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: P1501899
CATALOG NUMBER: GSS-SB6C-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6	5246.6
2.5°	5306.6	5306.6	5340.9	5392.3	5418.0	5435.2	5443.7	5460.9	5529.5	5512.3
5°	5529.5	5546.6	5572.3	5623.8	5683.8	5666.6	5666.6	5666.6	5709.5	5675.2
7.5°	5820.9	5872.4	5881.0	5941.0	5898.1	5812.4	5760.9	5683.8	5675.2	5675.2
10°	6292.4	6275.3	6275.3	6198.1	6043.8	5795.2	5572.3	5418.0	5332.3	5340.9
12.5°	6798.2	6729.7	6738.2	6455.3	6018.1	5469.5	5015.1	4680.8	4655.0	4629.3
15°	7424.1	7244.0	7209.7	6558.2	5632.3	4792.2	4346.4	4080.7	3994.9	3969.2
17.5°	8315.6	7861.3	7698.4	6378.2	5126.5	4372.1	4037.8	3917.8	3909.2	3900.6
20°	9258.6	8358.5	8049.9	6112.4	4955.1	4380.7	4132.1	4097.8	4080.7	4089.2
22.5°	10356.0	8675.7	8281.3	6155.3	5109.4	4663.6	4466.4	4440.7	4423.6	4440.7
25°	11487.6	9044.3	8555.7	6498.2	5572.3	5186.6	4955.1	4903.6	4955.1	5032.2
27.5°	12627.8	9541.5	9095.8	7175.4	6318.2	5898.1	5675.2	5863.8	5941.0	5949.5
30°	13639.3	10235.9	9824.4	8127.0	7166.9	6746.8	6789.7	7029.7	7124.0	7218.3
32.5°	14565.2	11161.8	10844.6	9207.2	8264.2	8015.6	7989.9	8169.9	8272.8	8212.8
35°	15499.6	12370.6	12061.9	10381.7	9610.1	9404.4	9190.1	9541.5	9507.3	9412.9
37.5°	16382.6	13587.9	13305.0	11641.9	10844.6	10484.6	10450.3	10767.5	11050.4	11033.2
40°	17017.0	14573.8	14230.9	12893.5	12139.1	11830.5	12010.5	12559.2	12490.6	12396.3
42.5°	17600.0	15413.9	15105.3	13990.8	13202.1	13339.3	13502.2	13870.8	13827.9	13733.6
45°	17874.3	16134.0	15868.3	14822.4	14436.6	14873.8	14865.3	15002.4	14771.0	14736.7
47.5°	18260.1	16648.4	16374.1	15568.2	15911.1	16091.2	15585.4	15439.6	15225.3	15053.9
50°	18971.6	17445.7	17171.3	16699.8	16991.3	16434.1	15816.8	15499.6	15062.4	14762.4
52.5°	19803.2	18654.4	18414.4	18225.8	17411.4	16262.6	15473.9	14899.6	14368.0	14110.9
55°	20849.1	20437.6	20266.1	19228.8	17034.2	15559.7	14633.8	13562.2	12833.5	12593.5
57.5°	21192.0	23052.3	22992.3	19391.7	15979.7	14282.3	12610.6	11161.8	10407.4	10253.1
60°	20180.4	25101.2	24886.9	19117.4	14068.0	11590.4	9635.8	8152.7	6926.8	6746.8
62.5°	18885.9	23532.4	23455.2	17737.2	10716.0	8307.1	7201.2	5812.4	5289.4	5152.3
65°	16176.9	19254.5	19288.8	14230.9	6781.1	5966.7	5915.2	4620.7	3977.8	3874.9
67.5°	12456.3	14771.0	14530.9	8950.0	3952.1	4775.1	4723.6	3377.7	2443.3	2374.7
70°	7278.3	10998.9	10613.1	4655.0	2614.7	3986.4	3634.9	2374.7	1663.1	1586.0
72.5°	3214.8	6052.4	6498.2	2048.9	1843.2	3171.9	2623.3	1457.4	934.4	917.3
75°	1783.1	3000.5	3137.6	891.6	1294.5	2254.6	1586.0	814.4	531.5	522.9
77.5°	1071.6	1328.8	1294.5	574.4	968.7	1440.2	960.2	462.9	334.3	317.2
80°	600.1	608.7	514.4	420.1	574.4	805.8	540.1	291.5	154.3	154.3
82.5°	368.6	334.3	265.8	128.6	154.3	488.7	197.2	162.9	51.4	51.4
85°	154.3	102.9	68.6	25.7	60.0	128.6	68.6	77.2	25.7	25.7
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: SP1-2407-184-8

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

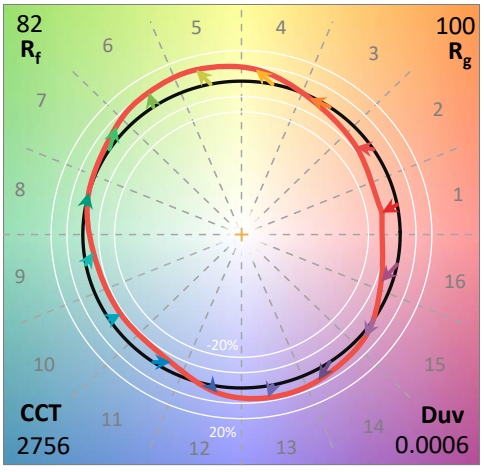
Test Information

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

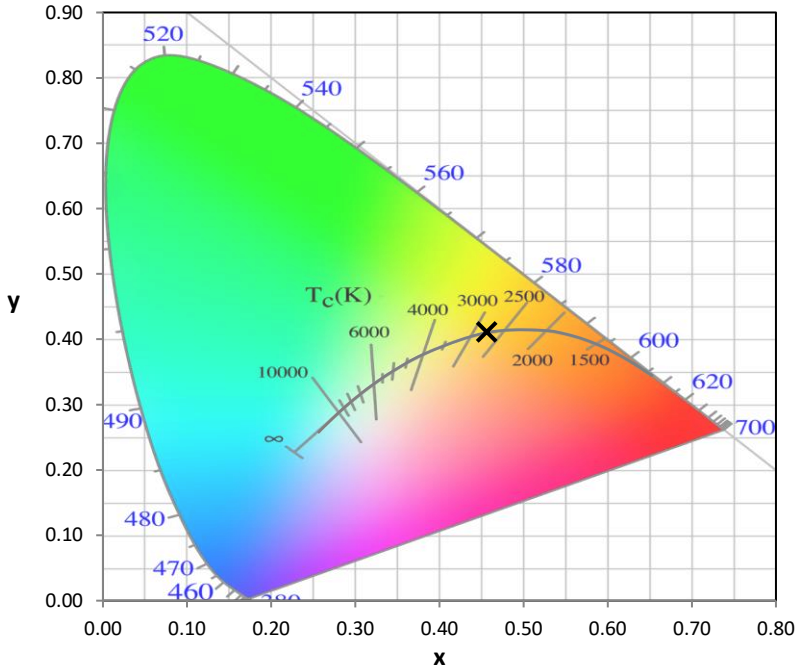
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

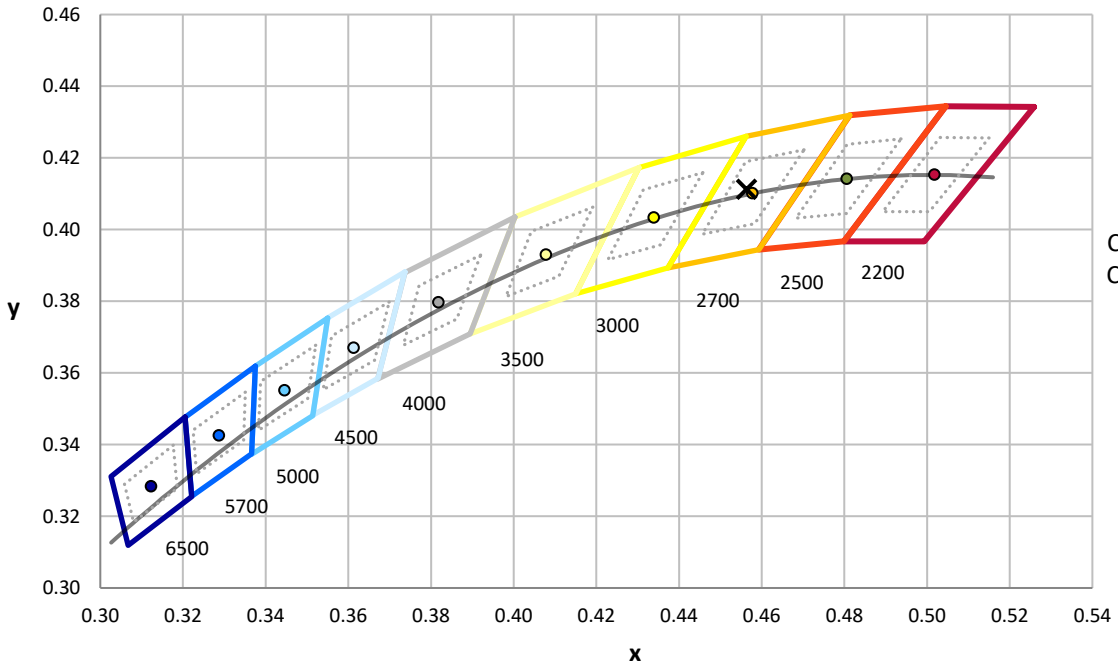
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

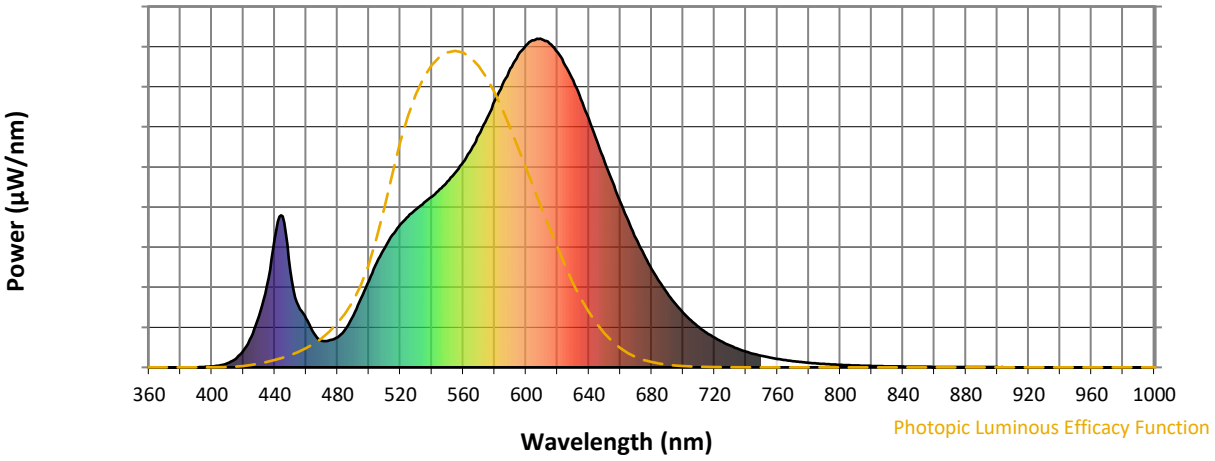


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

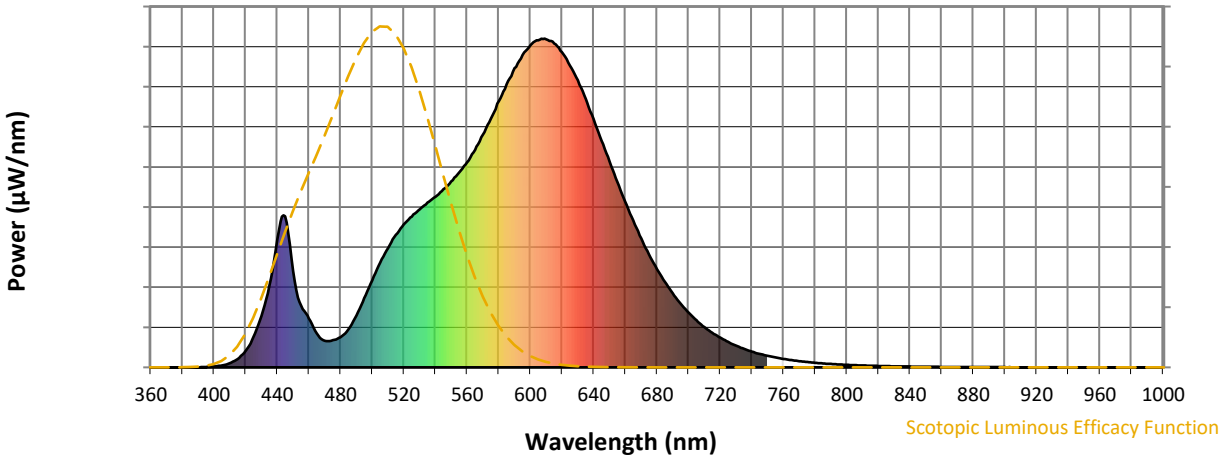


Photopic Lumens: NR

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

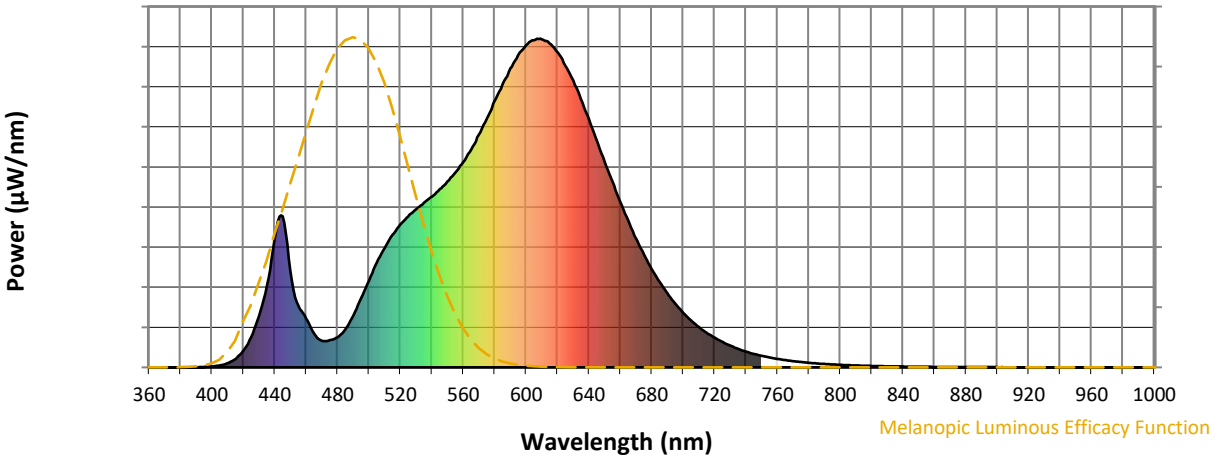


Scotopic Lumens: NR **S/P: 1.2**

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			

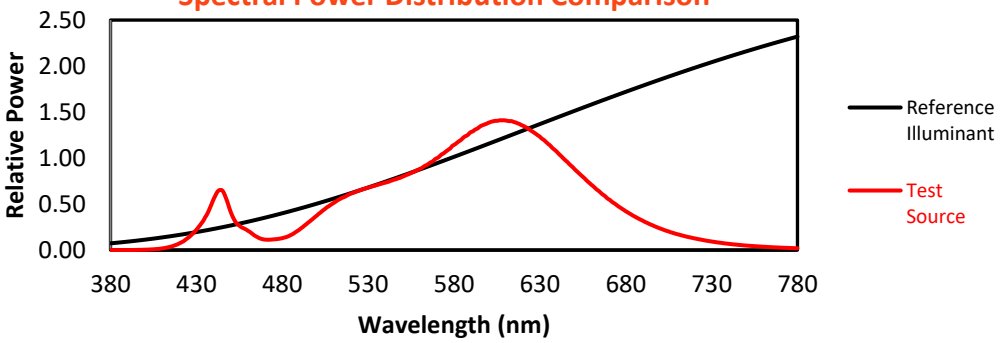
REPORT NUMBER: SP1-2407-184-8

TM-30-18

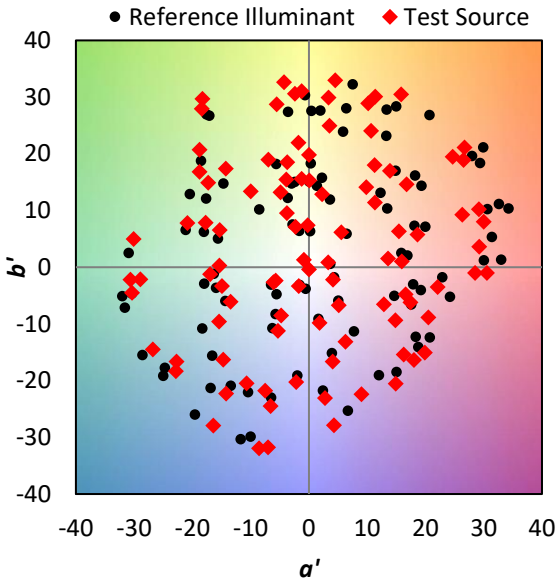
Summary

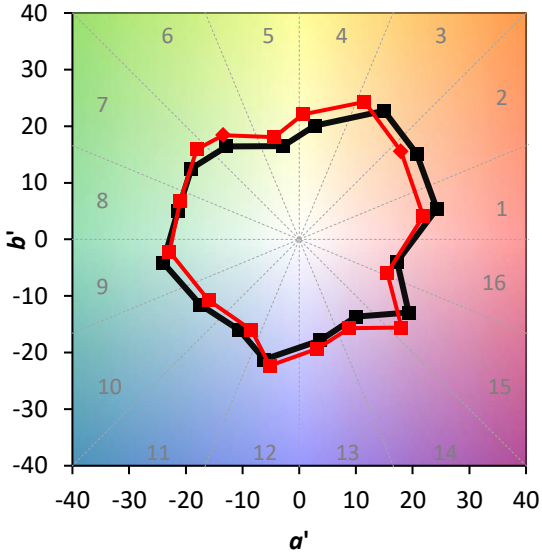
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

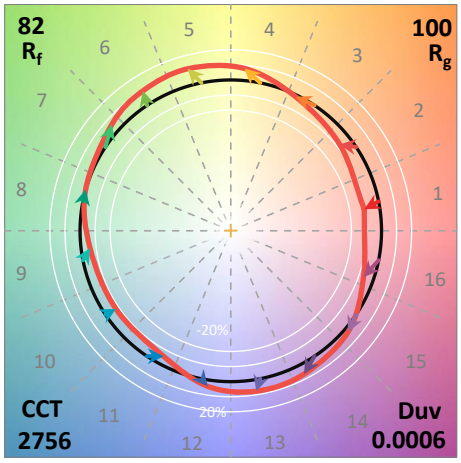
Spectral Power Distribution Comparison

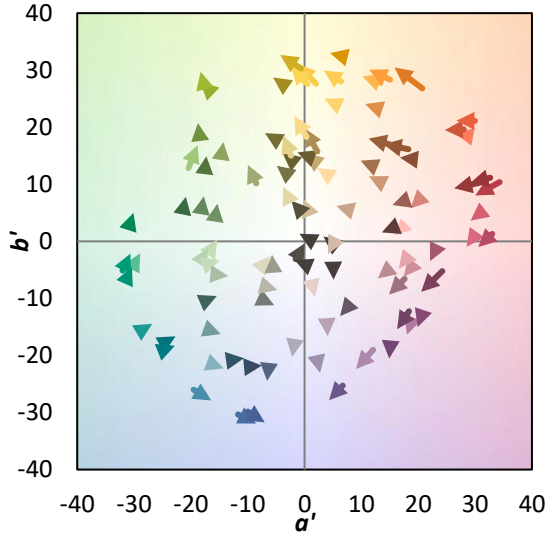


Color Vector Graphics







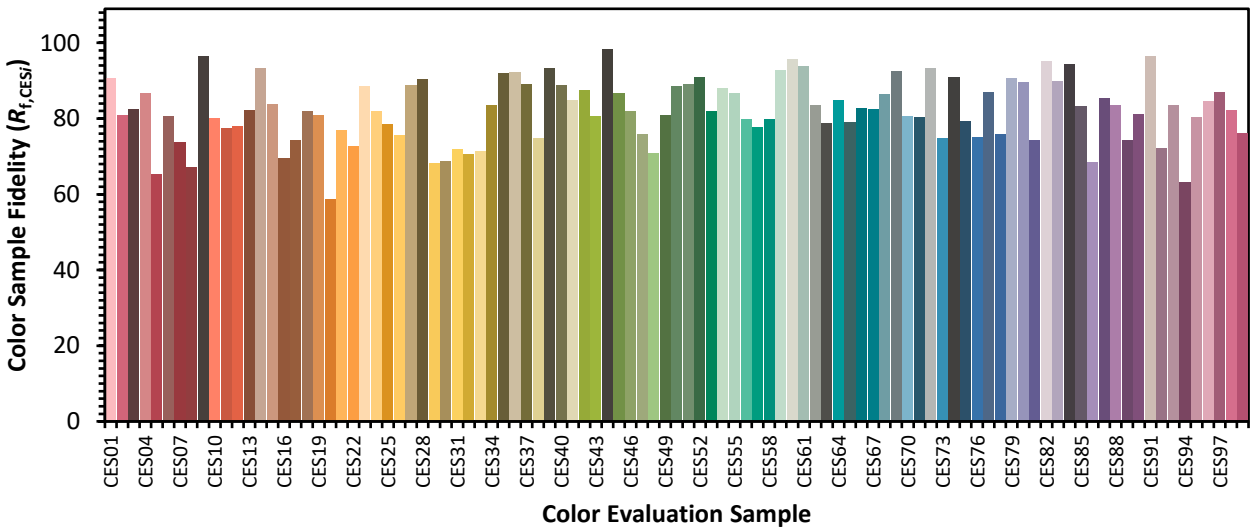


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Individual Sample Fidelity Index ($R_{f,i}$)

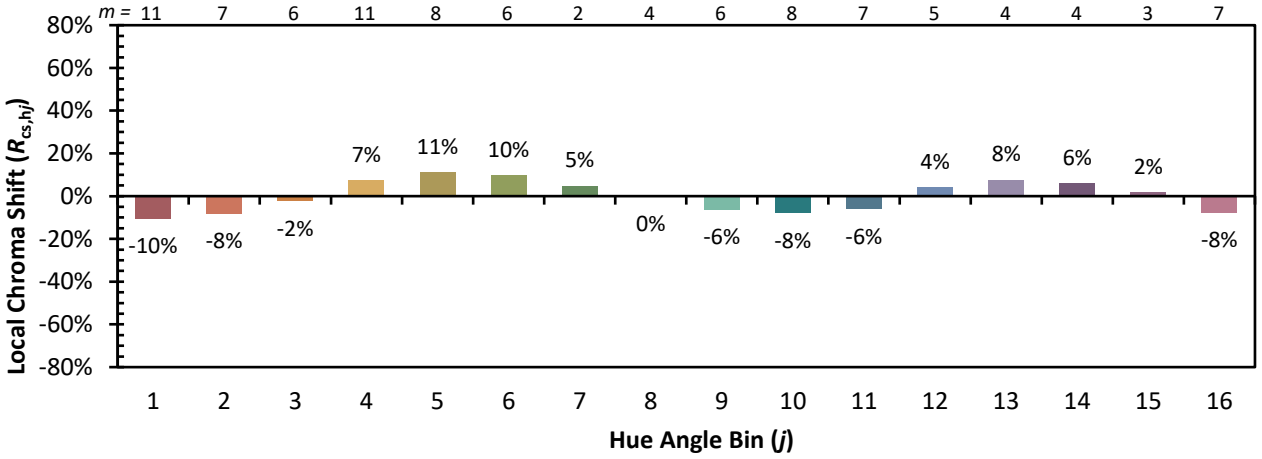
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 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
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CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

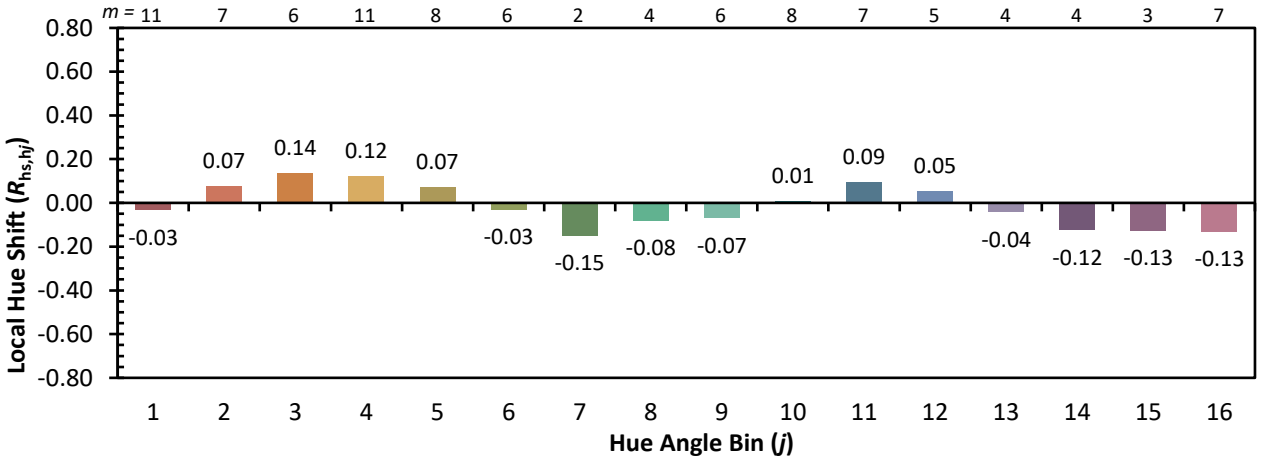


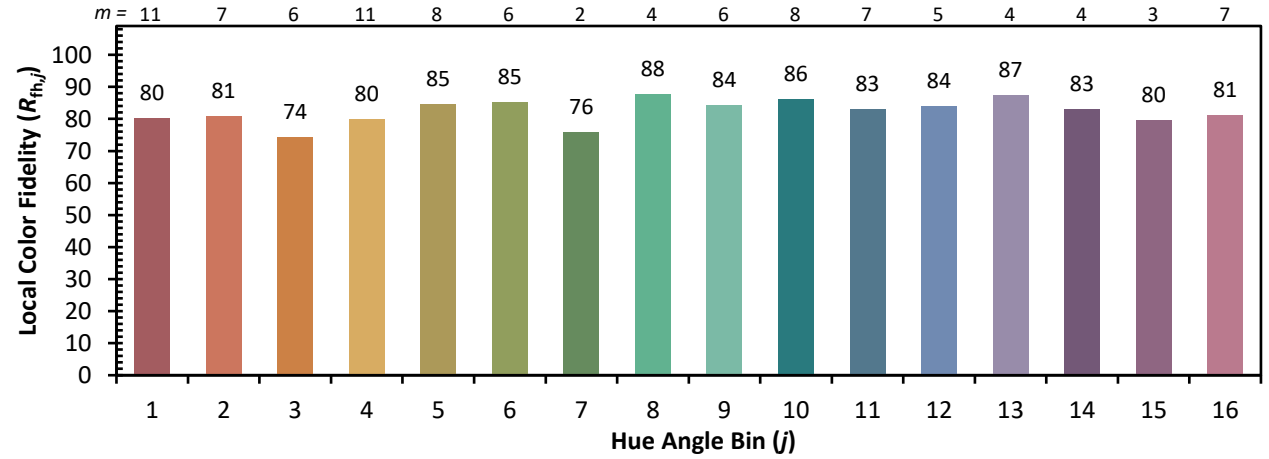
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Color Rendition by Hue-Angle Bin



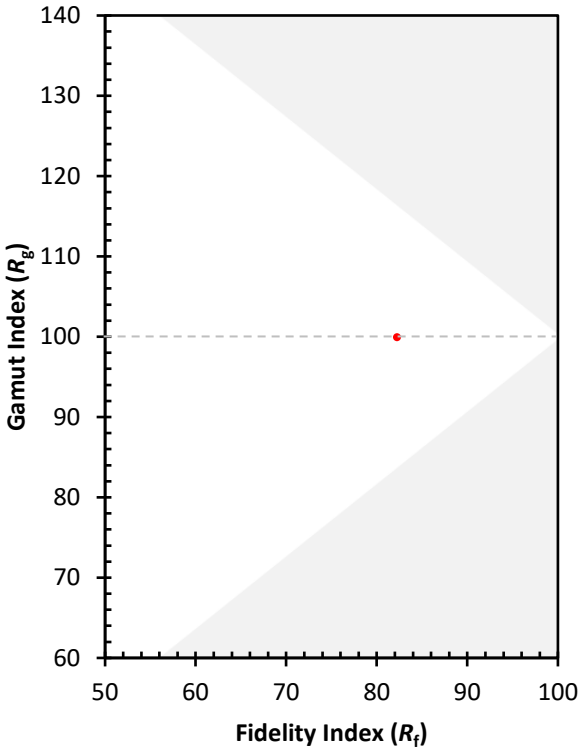


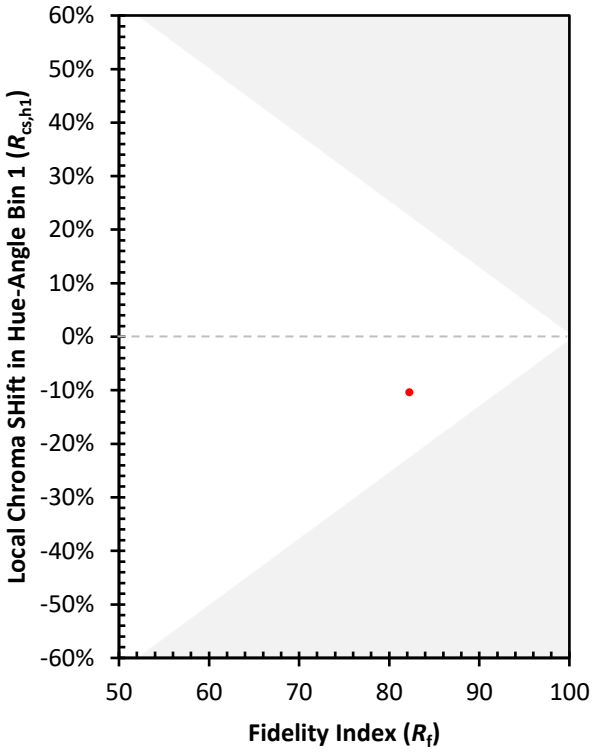


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Measure Comparisons





(END OF REPORT)