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: P1501344

Luminaire Tested: GSS-SB5D-740-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501344
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5D-740-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 302W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	45088.8 lumens
Efficiency:	N/A
Efficacy:	149.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4

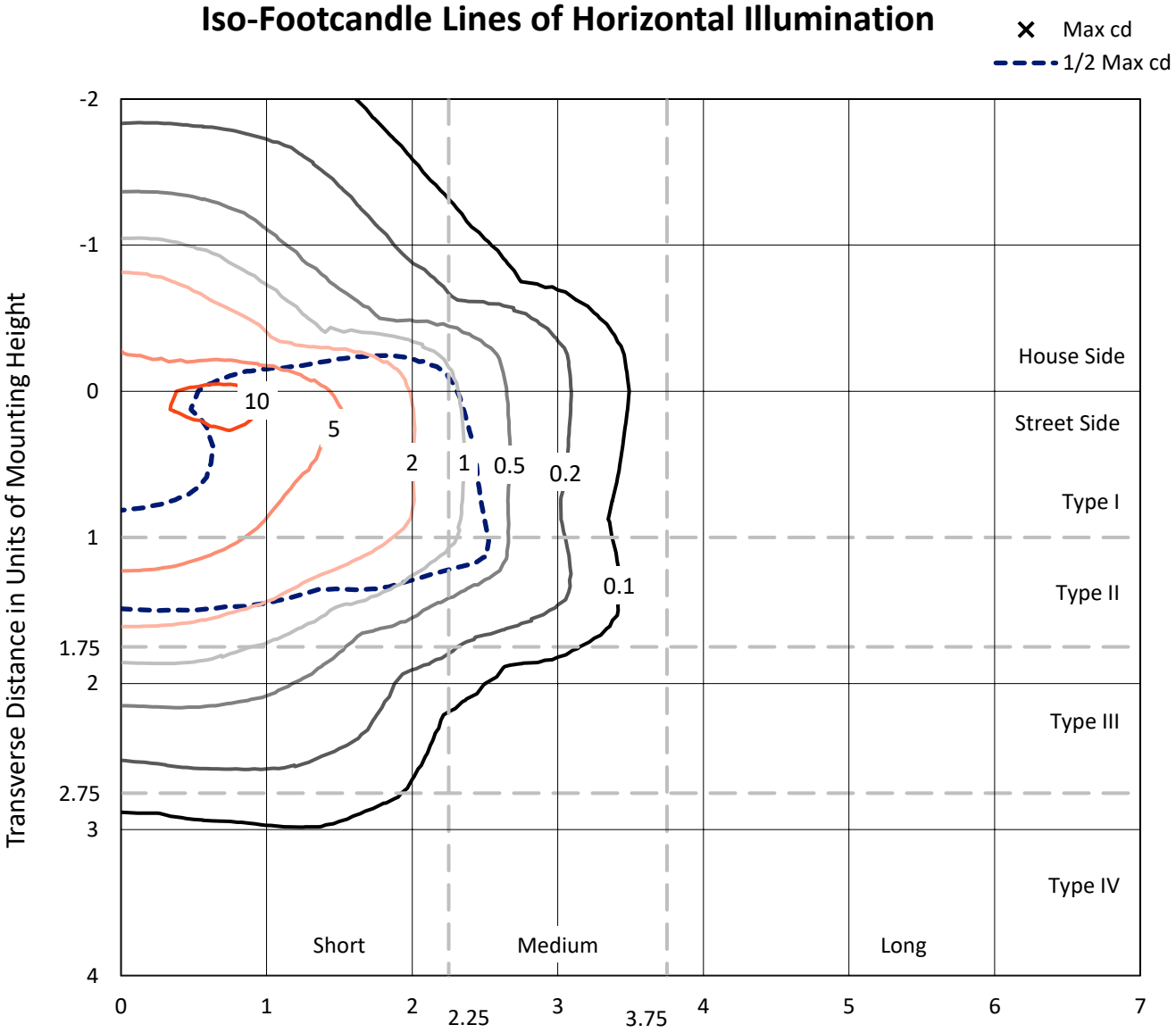
Input Watts (W):	302
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



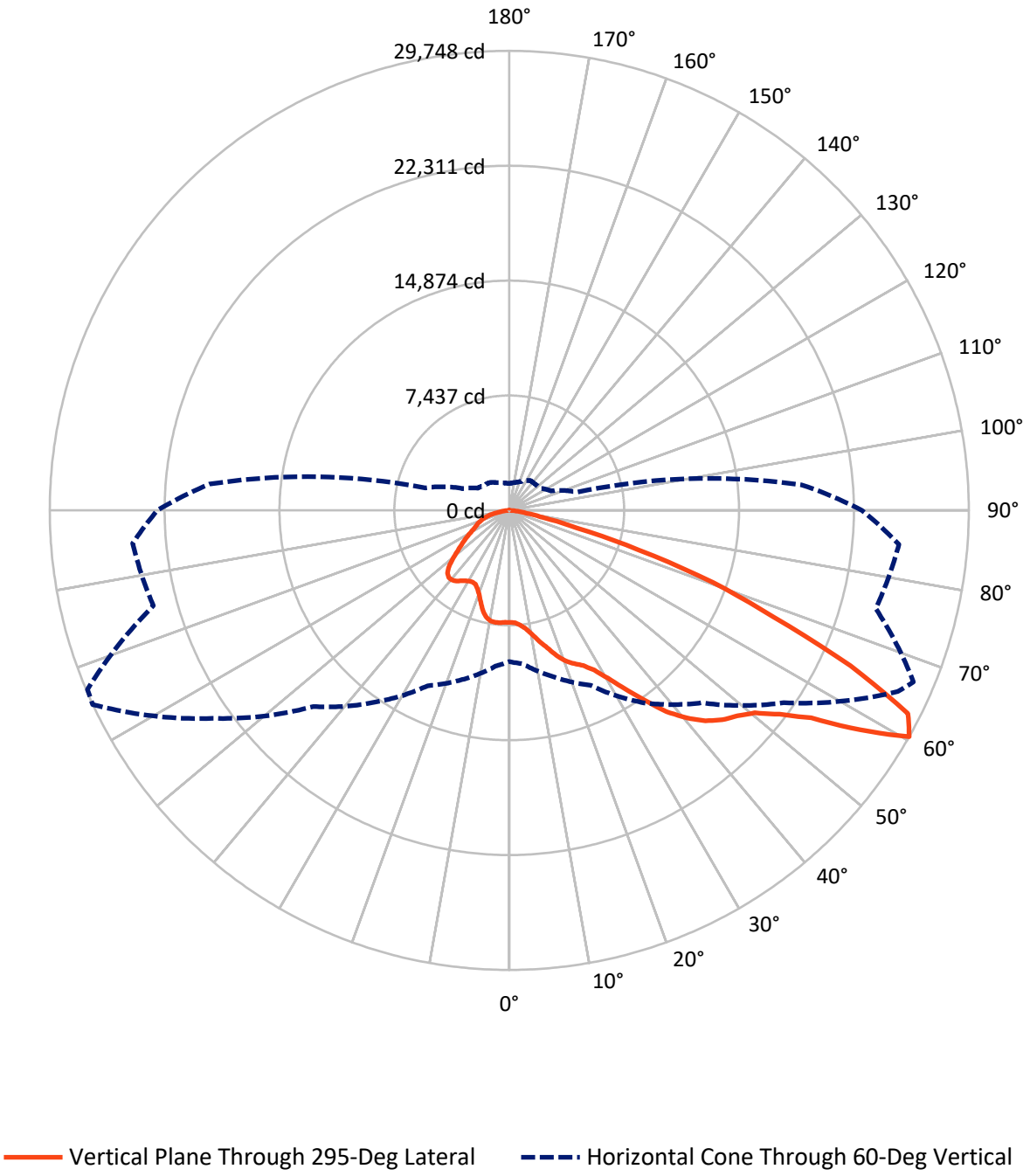
Based on 30 foot mounting height. Maximum calculated value = 12.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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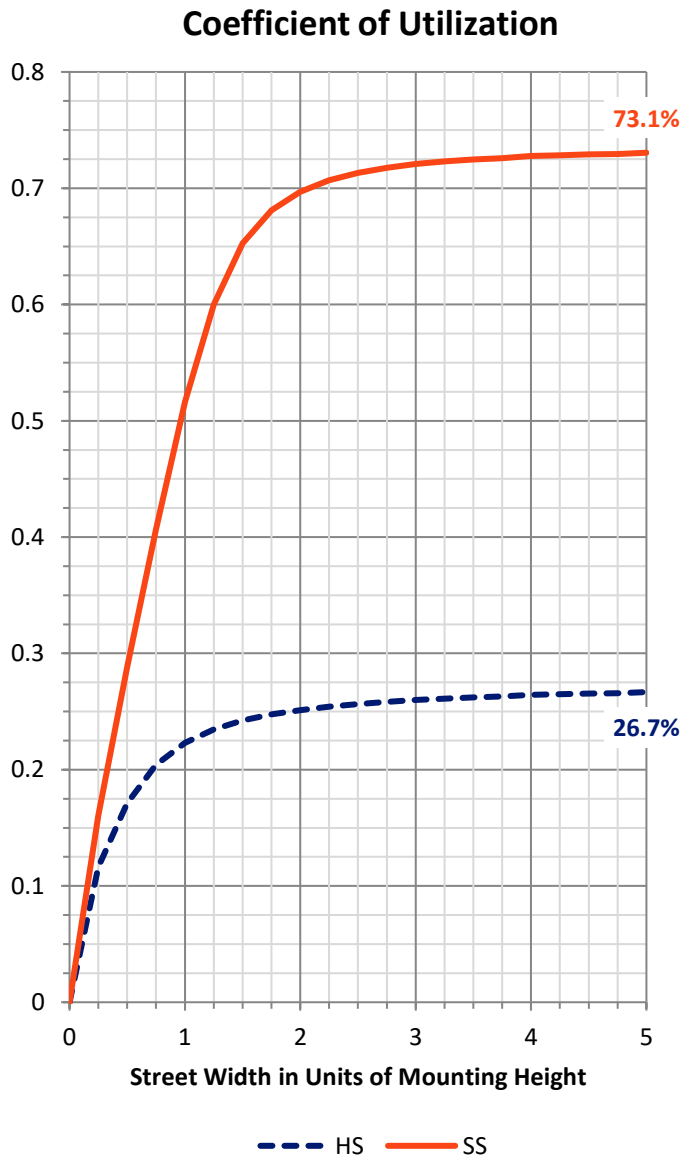
REPORT NUMBER: P1501344
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12124.9	0.0	12124.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	32963.9	0.0	32963.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	45088.8	0.0	45088.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.1	1.5
10°-20°	1960.8	4.3
20°-30°	3714.1	8.2
30°-40°	6547.8	14.5
40°-50°	9683.5	21.5
50°-60°	11371.1	25.2
60°-70°	8238.8	18.3
70°-80°	2540.8	5.6
80°-90°	349.8	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°	45088.8	100.0
0°-180°	45088.8	100.0



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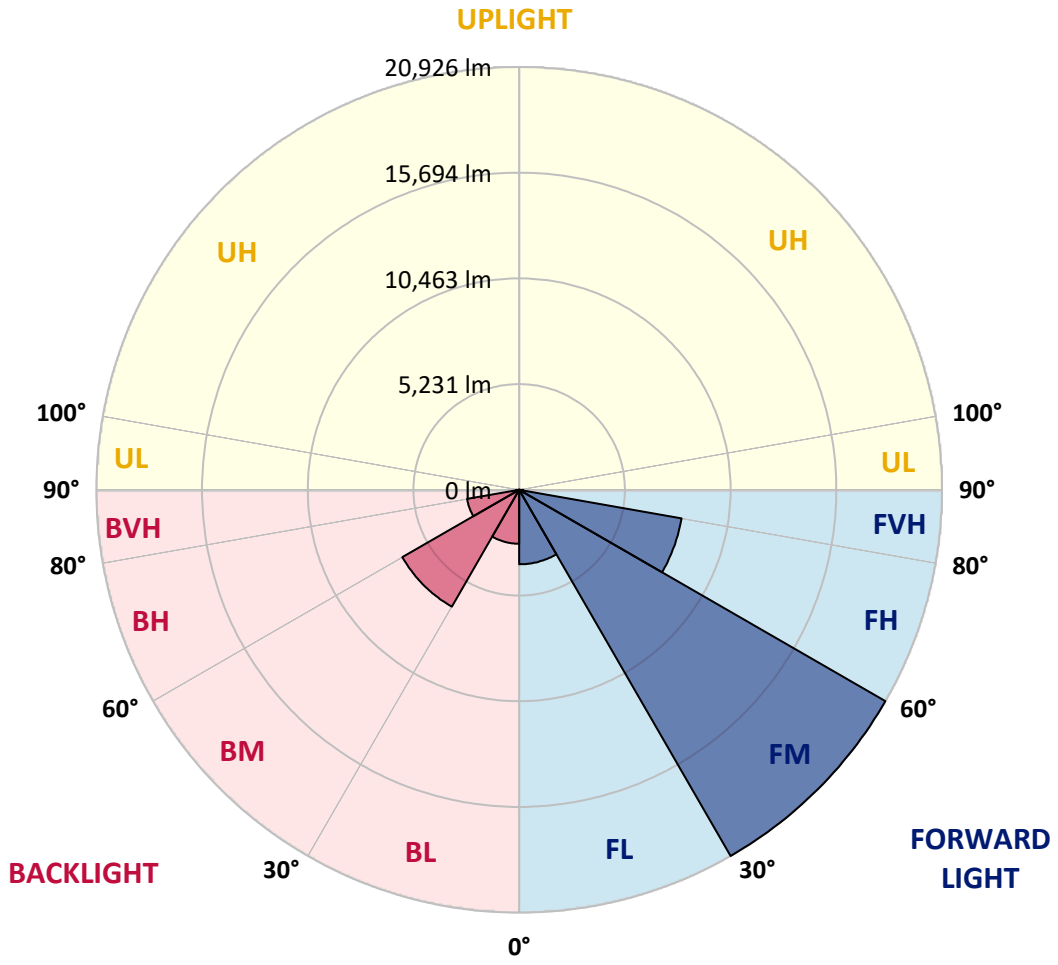
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3686.7	8.2			
FM	(30°-60°)	20926.0	46.4			
FH	(60°-80°)	8162.5	18.1			G4/12000
FVH	(80°-90°)	188.7	0.4			G2/225
BL	(0°-30°)	2670.3	5.9	B4/5000		
BM	(30°-60°)	6676.4	14.8	B4/8500		
BH	(60°-80°)	2617.2	5.8	B4/5000		G4/5000
BVH	(80°-90°)	161.1	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-G4
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6
2.5°	7398.4	7419.0	7388.2	7408.7	7408.7	7377.9	7367.6	7326.5	7347.1	7336.8	7326.5
5°	7573.1	7583.4	7562.8	7593.7	7593.7	7603.9	7593.7	7542.3	7542.3	7542.3	7521.7
7.5°	7521.7	7521.7	7532.0	7634.8	7737.5	7871.1	7871.1	7850.6	7871.1	7860.8	7768.4
10°	7090.2	7131.3	7223.7	7480.6	7727.2	8015.0	8210.2	8271.9	8271.9	8282.1	8128.0
12.5°	6319.5	6350.3	6566.1	6956.6	7470.4	7994.4	8467.1	8775.4	8806.2	8857.6	8652.1
15°	5631.0	5651.6	5805.7	6206.5	6792.2	7717.0	8611.0	9248.0	9350.8	9566.6	9258.3
17.5°	5692.7	5682.4	5723.5	5877.6	6298.9	7264.8	8580.1	9802.9	9987.9	10368.1	10100.9
20°	6062.6	6062.6	6093.4	6124.3	6278.4	6936.0	8354.1	10255.0	10614.7	11354.5	11046.3
22.5°	6648.3	6648.3	6638.0	6689.4	6689.4	7079.9	8364.3	10594.1	11128.5	12454.0	12156.0
25°	7460.1	7419.0	7419.0	7439.5	7347.1	7624.5	8621.2	10943.5	11642.3	13759.0	13502.1
27.5°	8374.6	8405.4	8384.9	8313.0	8189.7	8405.4	9237.8	11488.1	12217.7	15136.0	15033.2
30°	9371.3	9381.6	9402.2	9361.1	9258.3	9412.4	10203.7	12310.2	12978.1	16574.5	16800.6
32.5°	10347.5	10491.4	10440.0	10337.3	10378.4	10655.8	11395.6	13419.9	14108.4	17910.4	18711.9
35°	11590.9	11642.3	11847.8	11467.6	11477.8	11950.5	12916.4	14879.1	15547.0	19297.6	20623.1
37.5°	13399.4	13491.9	13399.4	12803.4	12710.9	13368.6	14396.1	16317.6	16800.6	20345.7	22400.8
40°	15177.1	15290.1	15444.2	14745.5	14159.8	14704.4	15793.6	17417.1	17920.6	20921.1	23582.5
42.5°	16646.5	16831.4	16667.0	16461.5	15927.2	16029.9	16769.8	18270.0	18773.5	21650.7	24774.5
45°	17889.8	17920.6	17992.6	17848.7	17581.5	17489.1	17602.1	19020.1	19575.0	21979.5	25360.2
47.5°	18403.6	18537.2	18598.8	18845.4	19122.9	18937.9	18311.1	19369.5	19873.0	21959.0	25545.1
50°	18126.2	18259.7	18588.6	19174.3	19842.2	20171.0	19143.4	19852.5	20417.6	22328.9	25925.3
52.5°	17396.6	17540.4	18074.8	18742.7	19862.7	20612.9	20314.9	20859.5	21404.1	22986.5	26562.4
55°	15629.2	15845.0	16595.1	17704.9	19246.2	20376.5	21547.9	22339.2	22935.1	23777.7	27220.1
57.5°	13060.3	13286.3	14128.9	15793.6	18105.6	19400.3	21907.6	25113.6	25380.7	24723.1	27281.7
60°	*9782.4*	*9967.3*	*11159.3*	*12495.1*	*15207.9*	*17612.4*	*21702.1*	*27744.1*	*28422.3*	*24558.7*	*25319.1*
62.5°	7747.8	7973.9	9032.3	9648.8	11590.9	14550.2	20982.8	28473.7	29059.4	23202.3	22585.8
65°	6052.3	6206.5	7192.9	8076.6	8549.3	9936.5	17982.3	24908.1	25432.1	20993.0	18639.9
67.5°	3997.2	4233.5	5405.0	6617.5	6864.1	6319.5	12371.8	19164.0	19410.6	16687.6	14015.9
70°	2866.9	2979.9	3853.3	5148.1	5518.0	4233.5	6740.8	14509.1	14581.1	11200.4	9443.3
72.5°	1952.4	1972.9	2620.3	3945.8	4398.0	3072.4	3709.5	9556.3	9309.7	5528.3	5405.0
75°	1325.6	1346.1	1674.9	2630.6	3113.5	2137.3	2414.8	5209.7	5004.2	3051.9	3277.9
77.5°	894.0	914.5	1150.9	1767.4	2075.7	1479.7	1767.4	2753.9	2702.5	2024.3	1757.1
80°	678.2	709.0	852.9	1130.3	1448.9	863.2	1007.0	1305.0	1325.6	1078.9	894.0
82.5°	380.2	421.3	513.8	575.4	935.1	483.0	483.0	780.9	750.1	667.9	483.0
85°	164.4	174.7	205.5	215.8	380.2	205.5	174.7	339.1	349.4	328.8	154.1
87.5°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	41.1	41.1	41.1	41.1
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°	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6
2.5°	7275.1	7336.8	7275.1	7244.3	7244.3	7192.9	7172.4	7172.4	7100.4	7131.3	7110.7
5°	7439.5	7460.1	7388.2	7295.7	7172.4	7069.6	6925.8	6740.8	6627.8	6617.5	6627.8
7.5°	7696.4	7706.7	7511.5	7306.0	6997.7	6627.8	6185.9	5826.3	5507.7	5456.3	5518.0
10°	8056.1	8035.5	7747.8	7264.8	6617.5	5836.5	5158.4	4829.5	4644.6	4634.3	4624.0
12.5°	8539.0	8405.4	7963.6	7090.2	5959.8	5055.6	4706.2	4685.7	4737.1	4778.2	4788.4
15°	9093.9	8919.2	8138.3	6751.1	5291.9	4767.9	4788.4	4963.1	5024.8	5065.9	5065.9
17.5°	9782.4	9556.3	8333.5	6268.1	4952.8	4829.5	4973.4	5137.8	5240.6	5281.7	5271.4
20°	10696.9	10224.2	8487.6	5805.7	4860.4	4932.3	5055.6	5220.0	5322.8	5374.1	5374.1
22.5°	11611.4	11025.7	8518.5	5487.2	4860.4	4942.6	5055.6	5220.0	5333.0	5384.4	5374.1
25°	12854.8	12053.3	8528.7	5261.1	4870.6	4891.2	4993.9	5137.8	5302.2	5353.6	5374.1
27.5°	14180.3	13183.6	8580.1	5209.7	4829.5	4819.3	4891.2	5024.8	5189.2	5322.8	5333.0
30°	15824.4	14457.8	8600.7	5261.1	4839.8	4706.2	4757.6	4891.2	5065.9	5199.5	5240.6
32.5°	17437.7	15639.5	8559.6	5374.1	4860.4	4634.3	4644.6	4726.8	4911.7	5004.2	5076.1
35°	19143.4	16893.1	8487.6	5528.3	4870.6	4603.5	4511.0	4552.1	4675.4	4685.7	4716.5
37.5°	20479.3	17828.2	8271.9	5733.8	4891.2	4490.4	4305.5	4274.6	4223.3	4120.5	4141.1
40°	21578.8	18455.0	7912.2	5836.5	4839.8	4356.9	4048.6	3904.7	3709.5	3555.4	3586.2
42.5°	22370.0	18876.3	7480.6	5857.1	4757.6	4130.8	3750.6	3504.0	3288.2	3123.8	3134.1
45°	22719.3	18835.2	7018.2	5703.0	4562.4	3853.3	3473.2	3236.8	3000.5	2825.8	2805.2
47.5°	22729.6	18434.4	6381.1	5333.0	4233.5	3534.8	3216.3	2959.4	2764.1	2640.8	2630.6
50°	22811.8	18208.4	5785.2	4798.7	3802.0	3195.7	2990.2	2733.3	2620.3	2445.6	2394.2
52.5°	23325.6	18578.3	5374.1	4213.0	3401.2	2949.1	2795.0	2568.9	2383.9	2270.9	2260.6
55°	24157.9	19215.4	5148.1	3771.1	3021.0	2712.8	2610.0	2414.8	2250.4	2137.3	2106.5
57.5°	24260.7	19544.2	4880.9	3360.1	2712.8	2527.8	2486.7	2270.9	2034.6	1952.4	1921.5
60°	*22822.1*	*18989.3*	*4552.1*	*2979.9*	*2486.7*	*2383.9*	*2363.4*	*2075.7*	*1880.4*	*1777.7*	*1736.6*
62.5°	20859.5	17602.1	4048.6	2630.6	2312.0	2240.1	2157.9	1931.8	1685.2	1572.2	1541.3
65°	17047.2	14796.9	3442.3	2394.2	2137.3	2055.1	2034.6	1726.3	1561.9	1500.2	1490.0
67.5°	12916.4	11888.9	3031.3	2219.5	1952.4	1921.5	1849.6	1746.9	1674.9	1603.0	1582.4
70°	9135.0	8580.1	2579.2	1993.5	1767.4	1716.0	2014.0	1901.0	1644.1	1551.6	1541.3
72.5°	5538.5	5384.4	2229.8	1788.0	1520.8	1603.0	1859.9	1716.0	1479.7	1366.7	1325.6
75°	3493.7	3195.7	1870.2	1520.8	1212.5	1305.0	1623.5	1531.1	1274.2	1161.1	1130.3
77.5°	1901.0	1767.4	1407.8	1243.3	955.6	1058.4	1418.0	1263.9	1017.3	1109.8	986.5
80°	832.3	924.8	935.1	719.3	637.1	780.9	1017.3	986.5	780.9	791.2	657.6
82.5°	400.7	524.1	606.3	493.2	359.6	462.4	678.2	565.2	524.1	493.2	472.7
85°	123.3	195.2	267.2	236.3	164.4	195.2	318.5	308.3	369.9	318.5	298.0
87.5°	41.1	41.1	30.8	30.8	30.8	41.1	51.4	30.8	10.3	10.3	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°	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6
2.5°	7100.4	7110.7	7110.7	7121.0	7121.0	7151.8	7192.9	7234.0	7203.2	7244.3	7254.6
5°	6607.2	6658.6	6699.7	6853.8	6977.1	7079.9	7192.9	7295.7	7326.5	7347.1	7398.4
7.5°	5446.1	5589.9	5857.1	6206.5	6596.9	6977.1	7234.0	7501.2	7542.3	7593.7	7665.6
10°	4634.3	4695.9	4880.9	5240.6	5939.3	6689.4	7316.2	7737.5	7912.2	8015.0	8086.9
12.5°	4767.9	4726.8	4695.9	4747.3	5199.5	6165.4	7264.8	8076.6	8405.4	8518.5	8611.0
15°	5086.4	5045.3	4932.3	4788.4	4839.8	5610.5	7090.2	8395.2	8919.2	9104.2	9299.4
17.5°	5271.4	5230.3	5137.8	4983.7	4850.1	5148.1	6761.3	8682.9	9731.0	9957.1	10234.5
20°	5374.1	5333.0	5240.6	5086.4	4932.3	4973.4	6340.0	9042.5	10655.8	11015.4	11426.5
22.5°	5394.7	5343.3	5240.6	5086.4	4993.9	4963.1	5939.3	9258.3	11652.5	12207.4	12680.1
25°	5384.4	5291.9	5158.4	5045.3	4993.9	4983.7	5661.9	9381.6	12731.5	13615.2	14149.5
27.5°	5312.5	5199.5	5065.9	4983.7	4963.1	5024.8	5538.5	9525.5	13995.4	15125.7	15978.6
30°	5230.3	5065.9	4901.5	4870.6	4922.0	5117.2	5641.3	9576.9	15320.9	16769.8	17643.2
32.5°	5014.5	4891.2	4726.8	4716.5	4839.8	5189.2	5877.6	9504.9	16492.3	18413.9	19513.4
35°	4706.2	4634.3	4541.8	4572.6	4767.9	5250.8	6042.1	9278.9	17561.0	19944.9	21229.4
37.5°	4161.6	4213.0	4264.4	4336.3	4582.9	5240.6	6114.0	8919.2	18444.7	21167.7	22811.8
40°	3555.4	3730.0	3894.5	4079.4	4408.2	5158.4	6134.5	8477.4	18958.5	22092.5	24219.6
42.5°	3175.2	3339.6	3545.1	3812.2	4171.9	4973.4	6114.0	7984.1	19122.9	22729.6	25113.6
45°	2825.8	3021.0	3277.9	3555.4	3966.4	4706.2	5929.0	7449.8	19205.1	23027.6	25493.8
47.5°	2640.8	2753.9	2990.2	3267.6	3699.2	4377.4	5569.4	7059.3	19081.8	23089.3	25956.2
50°	2425.0	2579.2	2733.3	3000.5	3421.8	3966.4	5137.8	6833.3	19287.3	23695.5	26685.7
52.5°	2260.6	2342.8	2507.2	2753.9	3062.1	3586.2	4726.8	6648.3	19852.5	24312.1	27446.1
55°	2137.3	2229.8	2332.6	2538.1	2774.4	3206.0	4305.5	6370.9	20510.1	24969.7	28206.5
57.5°	1942.1	2003.7	2147.6	2363.4	2517.5	2836.1	3812.2	6042.1	20458.7	24455.9	26891.2
60°	*1767.4*	*1829.1*	*1983.2*	*2199.0*	*2291.5*	*2507.2*	*3329.3*	*5620.8*	*19472.3*	*22781.0*	*24466.2*
62.5°	1572.2	1644.1	1829.1	1983.2	2065.4	2229.8	2825.8	4850.1	17417.1	20263.5	21630.1
65°	1490.0	1531.1	1654.4	1839.3	1829.1	1983.2	2383.9	3812.2	14015.9	15485.3	16728.7
67.5°	1582.4	1644.1	1623.5	1674.9	1644.1	1726.3	2137.3	3062.1	11015.4	11662.8	12382.1
70°	1561.9	1705.7	1777.7	1674.9	1438.6	1531.1	1849.6	2445.6	7881.4	7819.7	7788.9
72.5°	1366.7	1510.5	1716.0	1818.8	1407.8	1274.2	1603.0	2116.8	5055.6	5035.0	4552.1
75°	1161.1	1263.9	1510.5	1644.1	1212.5	1027.6	1376.9	1798.2	3021.0	3062.1	2733.3
77.5°	1068.7	1017.3	1263.9	1448.9	986.5	791.2	1109.8	1356.4	1664.6	1685.2	1561.9
80°	770.7	739.8	945.4	1058.4	750.1	565.2	626.8	842.6	894.0	801.5	832.3
82.5°	493.2	503.5	565.2	678.2	462.4	308.3	431.6	565.2	483.0	390.5	462.4
85°	318.5	359.6	298.0	349.4	143.9	143.9	185.0	246.6	164.4	113.0	123.3
87.5°	0.0	0.0	20.6	41.1	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: P1501344
CATALOG NUMBER: GSS-SB5D-740-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	7254.6	7254.6	*7254.6*	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6	7254.6
2.5°	7285.4	7275.1	*7275.1*	7295.7	7347.1	7367.6	7398.4	7388.2	7419.0	7398.4
5°	7429.3	7439.5	*7470.4*	7480.6	7511.5	7552.6	7562.8	7552.6	7573.1	7573.1
7.5°	7717.0	7758.1	*7737.5*	7788.9	7747.8	7696.4	7614.2	7552.6	7501.2	7521.7
10°	8199.9	8179.4	*8169.1*	8076.6	7891.7	7624.5	7408.7	7172.4	7131.3	7090.2
12.5°	8734.3	8713.7	*8713.7*	8395.2	7871.1	7316.2	6823.0	6453.1	6329.8	6319.5
15°	9484.4	9350.8	*9227.5*	8559.6	7511.5	6566.1	5990.7	5703.0	5631.0	5631.0
17.5°	10419.5	10070.1	*9864.6*	8436.3	6925.8	6072.9	5733.8	5661.9	5641.3	5692.7
20°	11580.6	10696.9	*10398.9*	8158.8	6710.0	6134.5	5970.1	5980.4	5990.7	6062.6
22.5°	12854.8	11272.3	*10779.1*	8158.8	6925.8	6525.0	6442.8	6555.8	6586.7	6648.3
25°	14272.8	11786.1	*11118.2*	8590.4	7562.8	7264.8	7162.1	7275.1	7357.3	7460.1
27.5°	15865.5	12320.4	*11703.9*	9371.3	8384.9	8199.9	8086.9	8138.3	8251.3	8374.6
30°	17293.8	13214.4	*12597.9*	10563.3	9504.9	9278.9	9083.6	9165.8	9289.1	9371.3
32.5°	18557.7	14303.6	*13779.6*	11816.9	10789.4	10398.9	10183.1	10162.6	10409.2	10347.5
35°	19718.9	15588.1	*15084.6*	13245.2	12094.4	11611.4	11323.7	11693.6	11529.2	11590.9
37.5°	20633.4	16923.9	*16523.2*	14611.9	13450.8	12793.1	12618.4	13070.6	13327.5	13399.4
40°	21383.5	18085.1	*17663.8*	15968.3	14694.1	14211.2	14488.6	15238.7	15207.9	15177.1
42.5°	21959.0	19081.8	*18619.4*	16995.8	15886.1	15978.6	16194.3	16697.8	16821.2	16646.5
45°	22215.8	19708.6	*19338.7*	17807.6	17242.5	17776.8	17869.3	18085.1	18002.8	17889.8
47.5°	22513.8	20263.5	*19873.0*	18547.5	18711.9	19235.9	19051.0	18876.3	18578.3	18403.6
50°	23017.3	20921.1	*20592.3*	19626.4	20222.4	20047.7	19328.4	18937.9	18331.7	18126.2
52.5°	23973.0	22164.5	*21917.9*	21332.1	20931.4	19924.4	19051.0	18352.2	17674.0	17396.6
55°	24825.8	23849.7	*23705.8*	22924.9	20715.6	19277.0	18105.6	17026.7	15865.5	15629.2
57.5°	25319.1	26644.6	*26809.0*	23603.0	19729.1	17807.6	16081.3	14355.0	13255.5	13060.3
60°	*23849.7*	*29665.7*	*29747.9*	*23469.5*	*17951.5*	*15156.5*	*12526.0*	*11303.2*	*10121.5*	*9782.4*
62.5°	21825.4	29038.8	*28966.9*	22668.0	14293.4	11056.5	9515.2	8939.8	8025.2	7747.8
65°	18763.2	24188.8	*24271.0*	19585.3	9504.9	7994.4	7994.4	7264.8	6247.6	6052.3
67.5°	15290.1	18650.2	*18465.3*	12700.6	5836.5	6401.7	6710.0	5661.9	4233.5	3997.2
70°	9936.5	14242.0	*13985.1*	7326.5	3668.4	5333.0	5281.7	4254.1	3031.3	2866.9
72.5°	4274.6	8230.8	*8754.8*	3740.3	2764.1	4295.2	4213.0	2979.9	2024.3	1952.4
75°	2579.2	4141.1	*4511.0*	2383.9	2014.0	3236.8	2918.3	1890.7	1376.9	1325.6
77.5°	1633.8	2270.9	*2250.4*	1788.0	1510.5	2188.7	1962.6	1305.0	935.1	894.0
80°	945.4	1120.0	*1161.1*	1120.0	1017.3	1561.9	1253.6	945.4	729.6	678.2
82.5°	606.3	698.7	*709.0*	544.6	565.2	1007.0	678.2	554.9	421.3	380.2
85°	267.2	298.0	*287.7*	185.0	185.0	411.0	236.3	226.1	164.4	164.4
87.5°	10.3	20.6	*10.3*	10.3	10.3	41.1	20.6	30.8	30.8	30.8
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

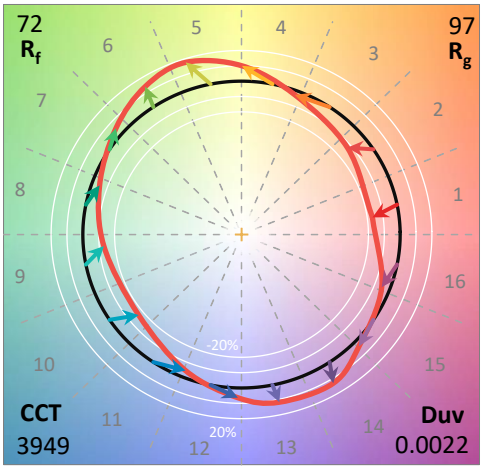
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

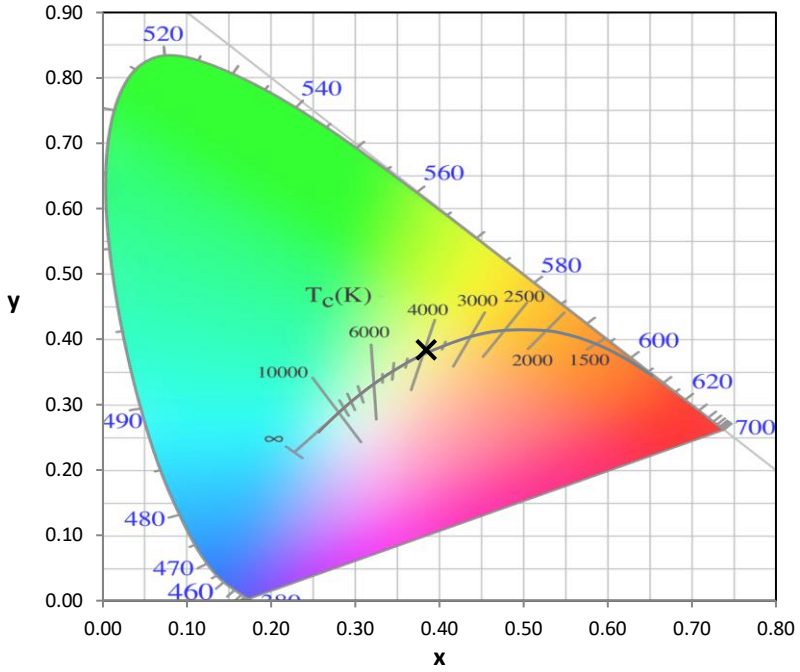
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

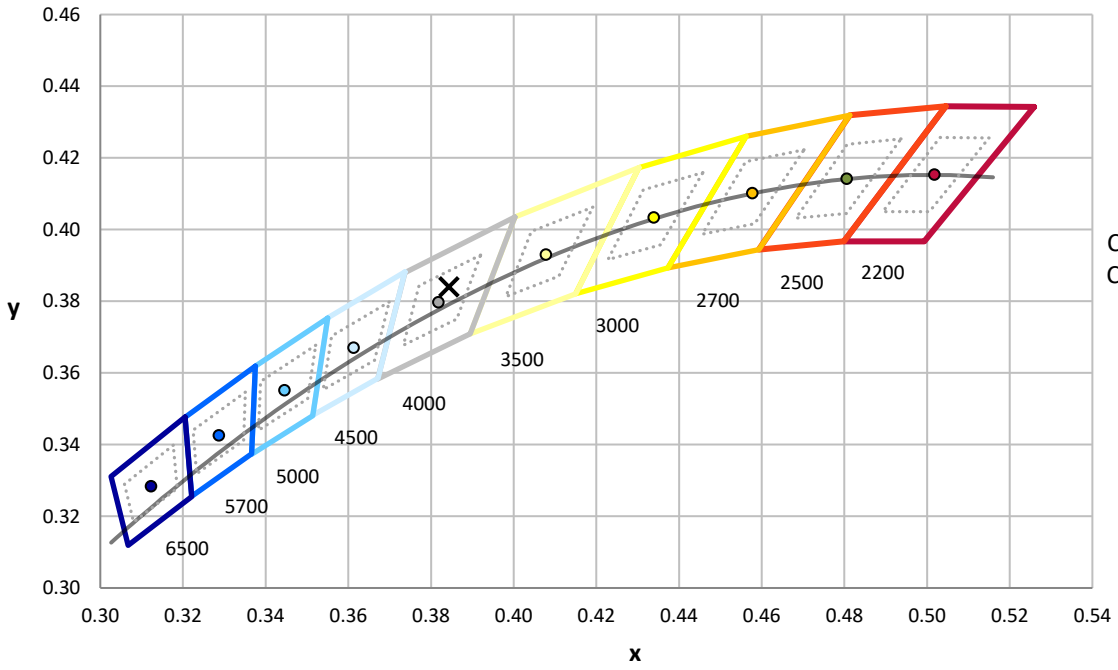
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

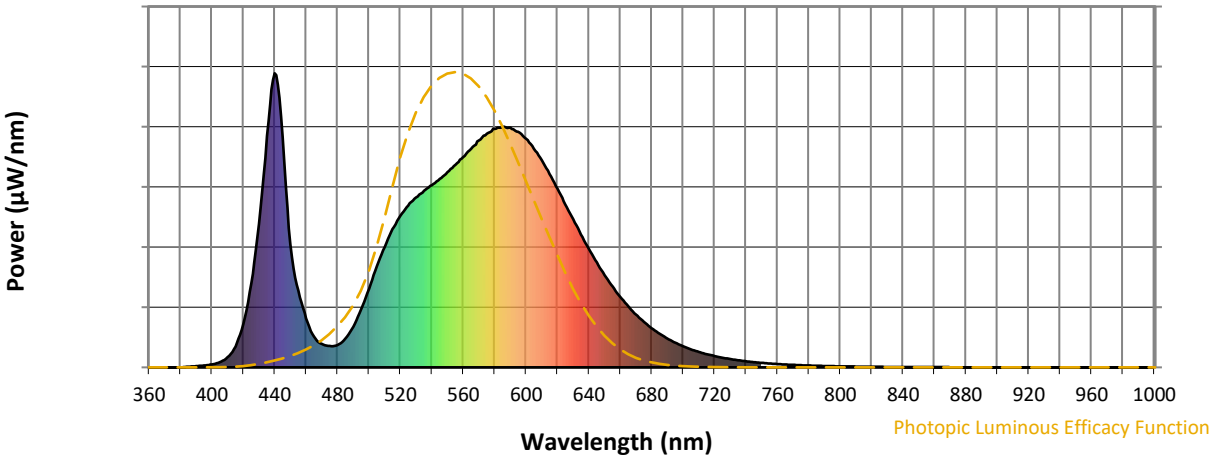


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

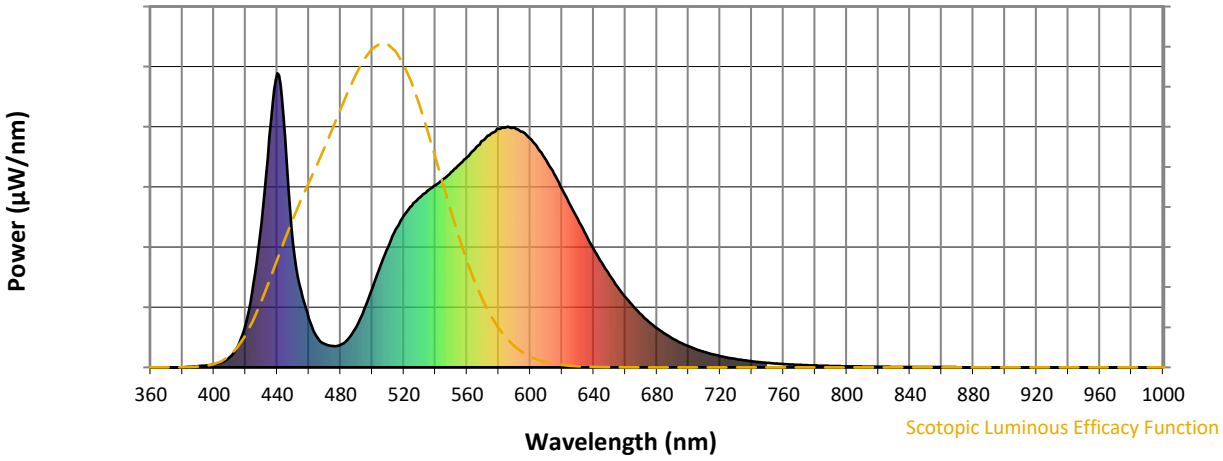


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

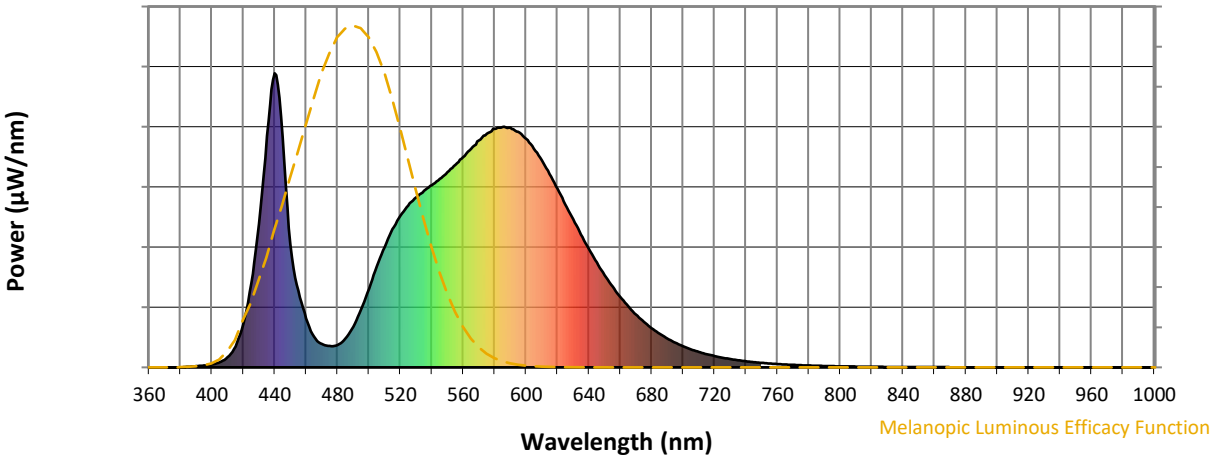


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

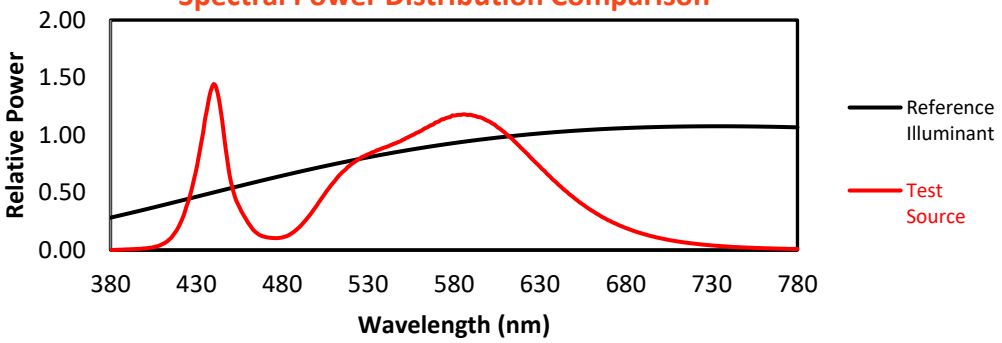
REPORT NUMBER: SP1-2407-184-1

TM-30-18

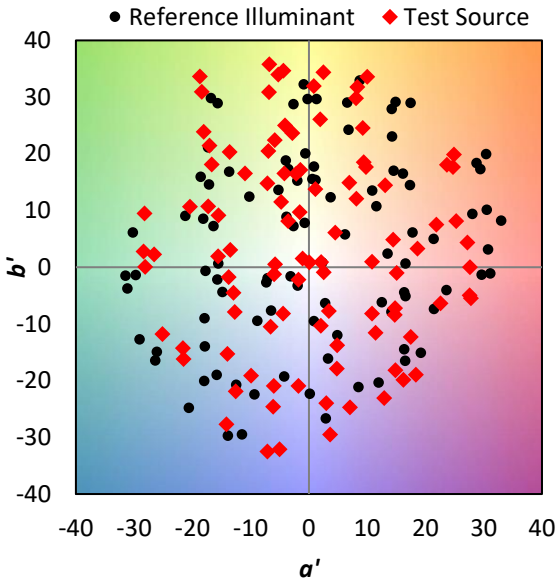
Summary

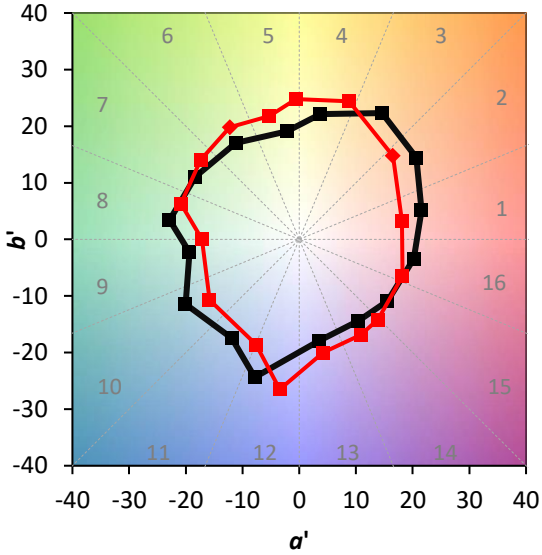
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

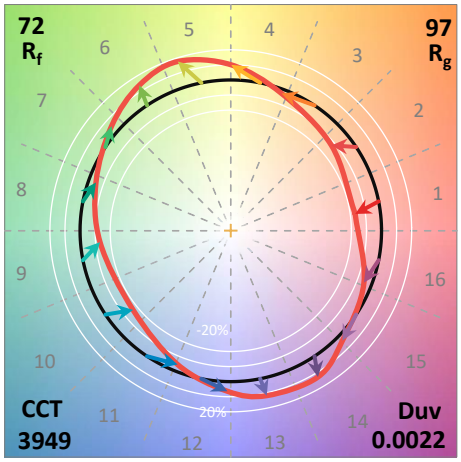
Spectral Power Distribution Comparison

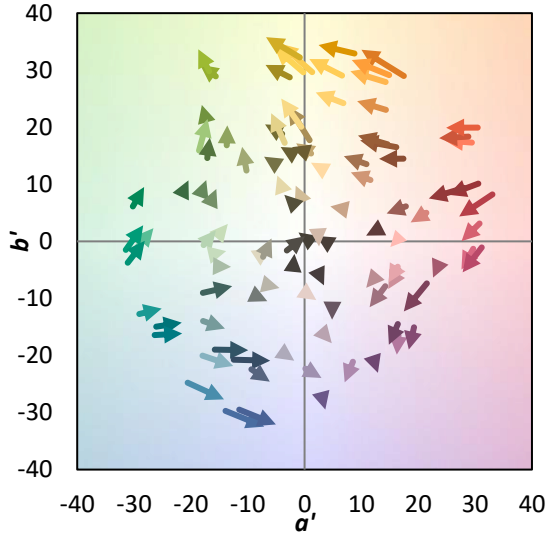


Color Vector Graphics







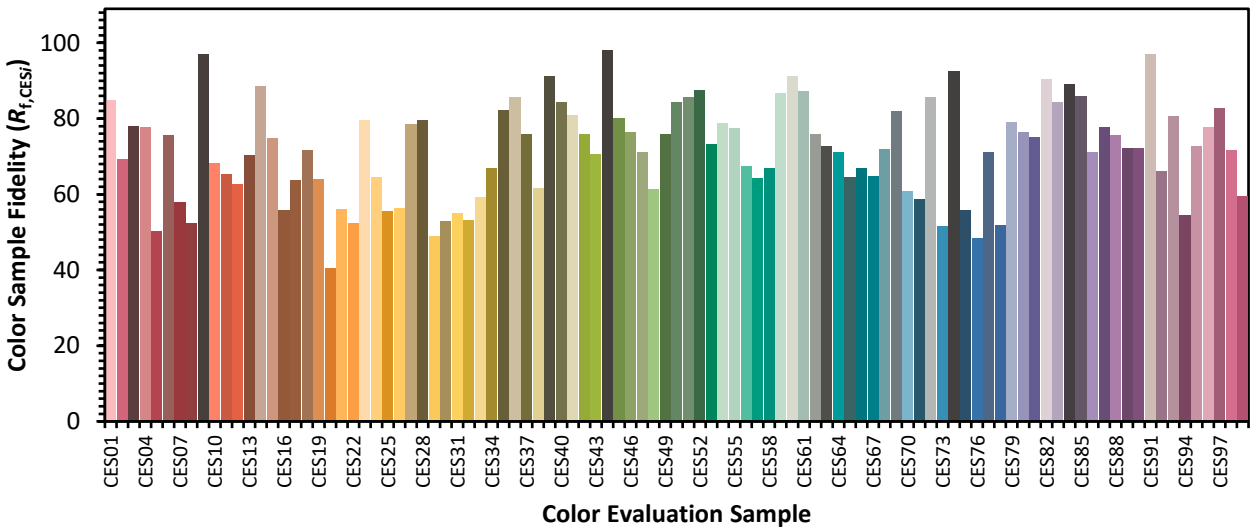


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Individual Sample Fidelity Index ($R_{f,i}$)

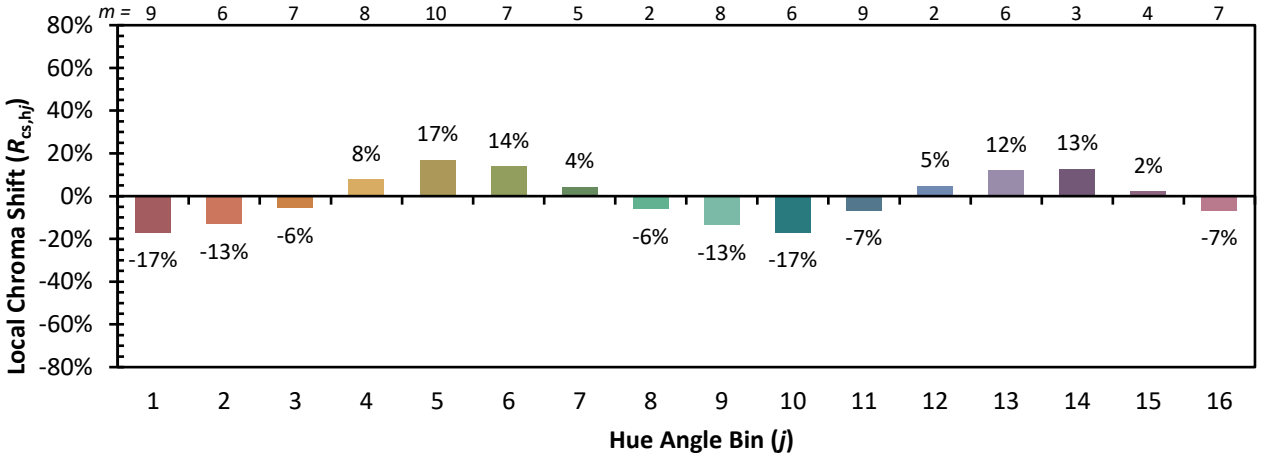
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

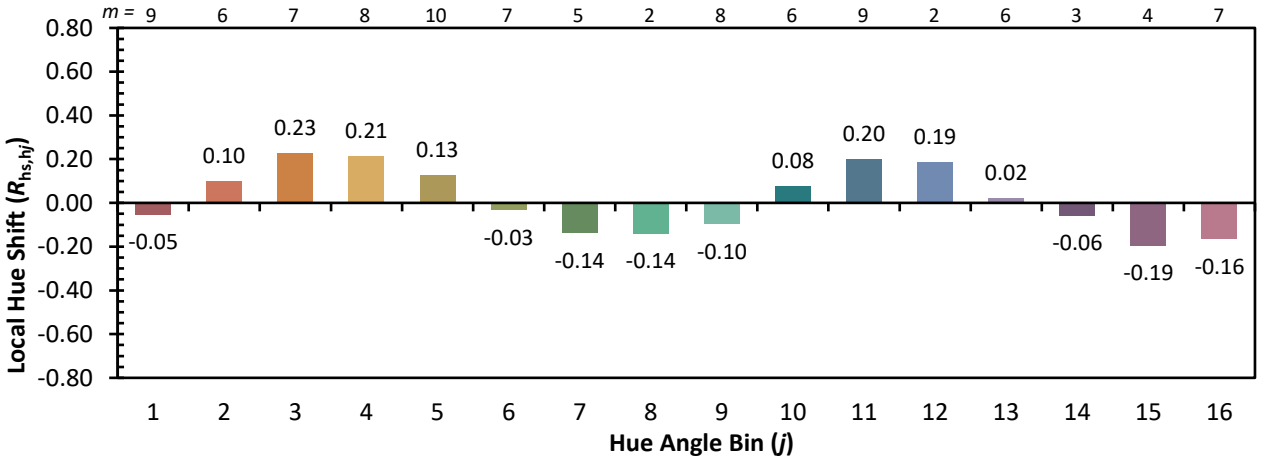


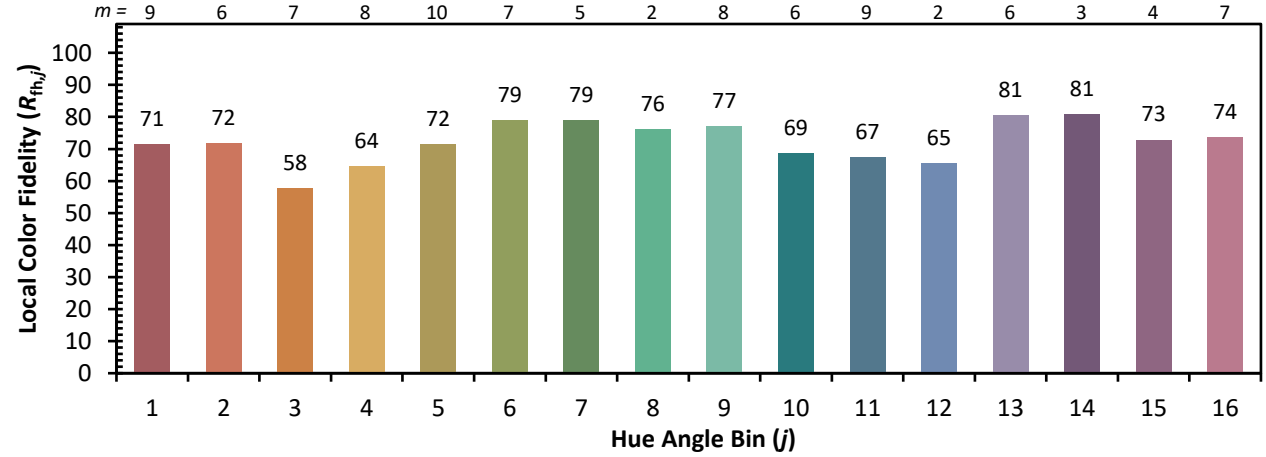
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Color Rendition by Hue-Angle Bin



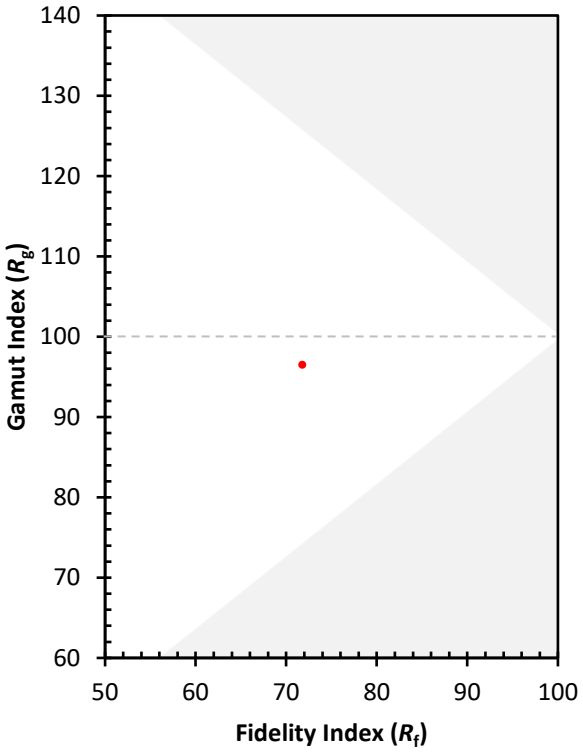


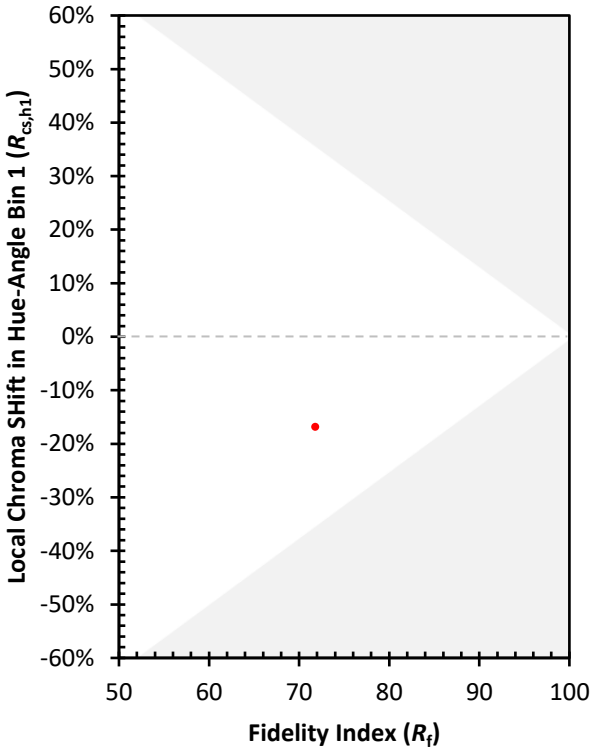


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Measure Comparisons





(END OF REPORT)