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: P1501343

Luminaire Tested: GSS-SB5C-740-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:	P1501343
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-740-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 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:	38111.2 lumens
Efficiency:	N/A
Efficacy:	151.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

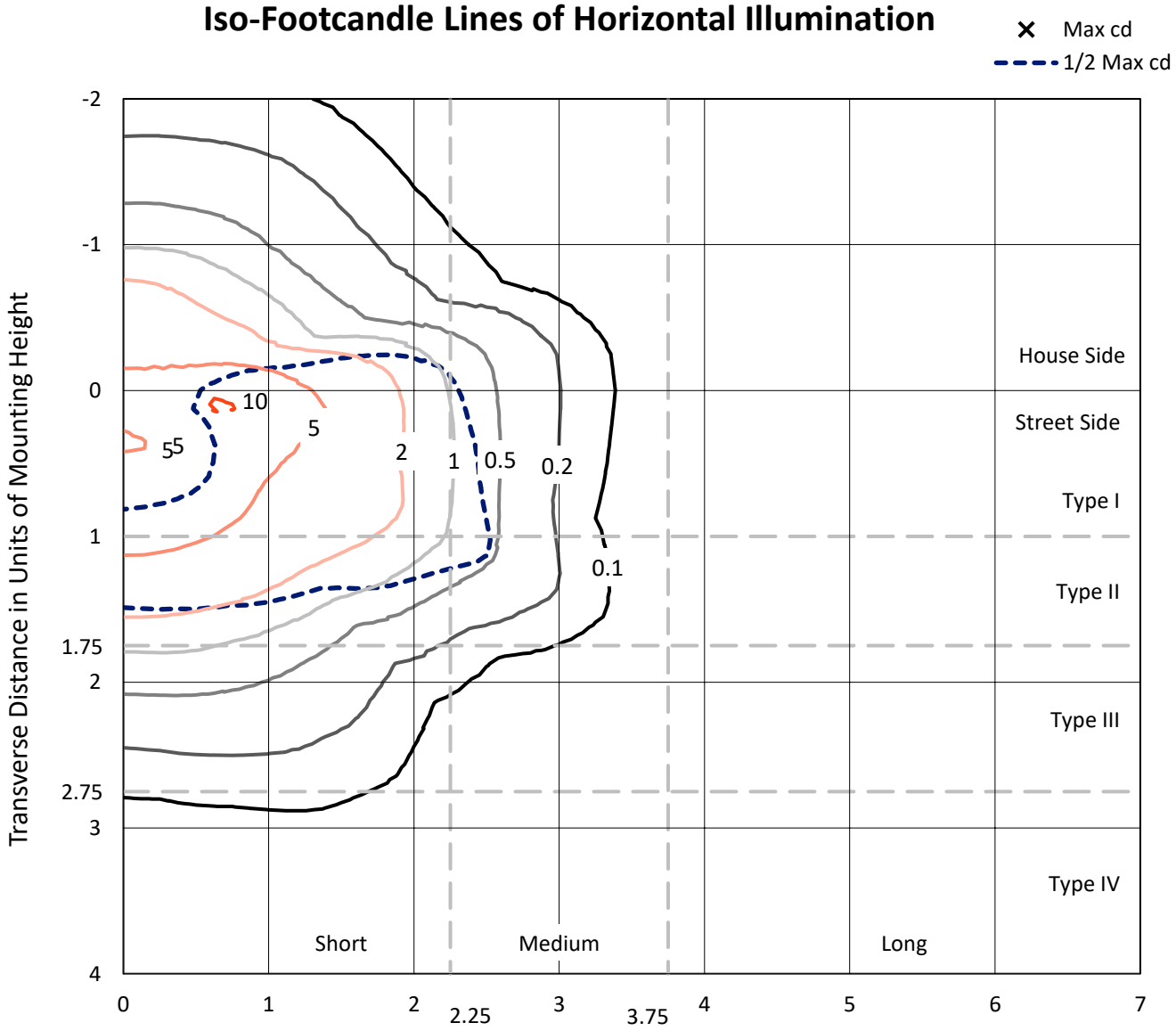
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



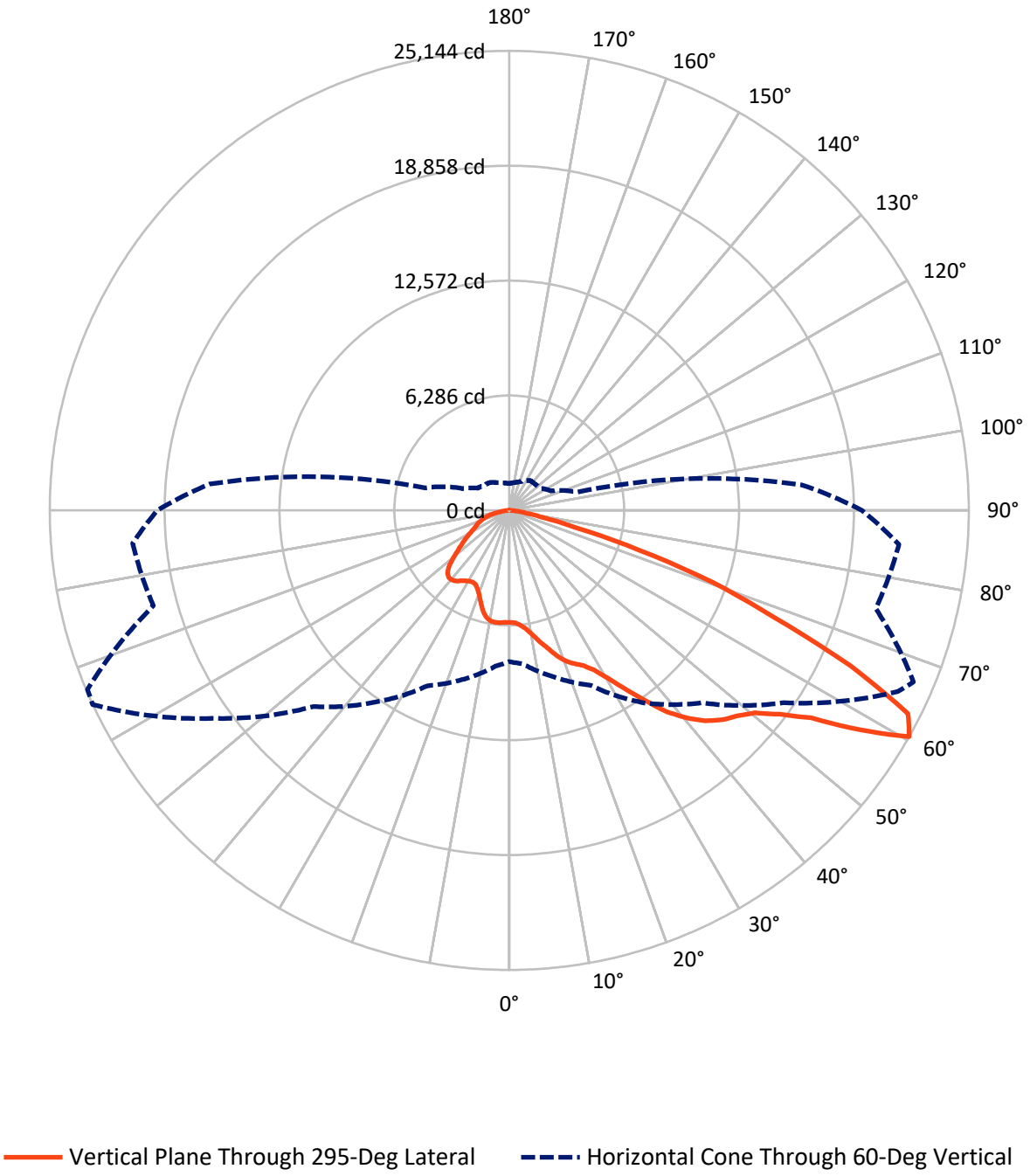
Based on 30 foot mounting height. Maximum calculated value = 10.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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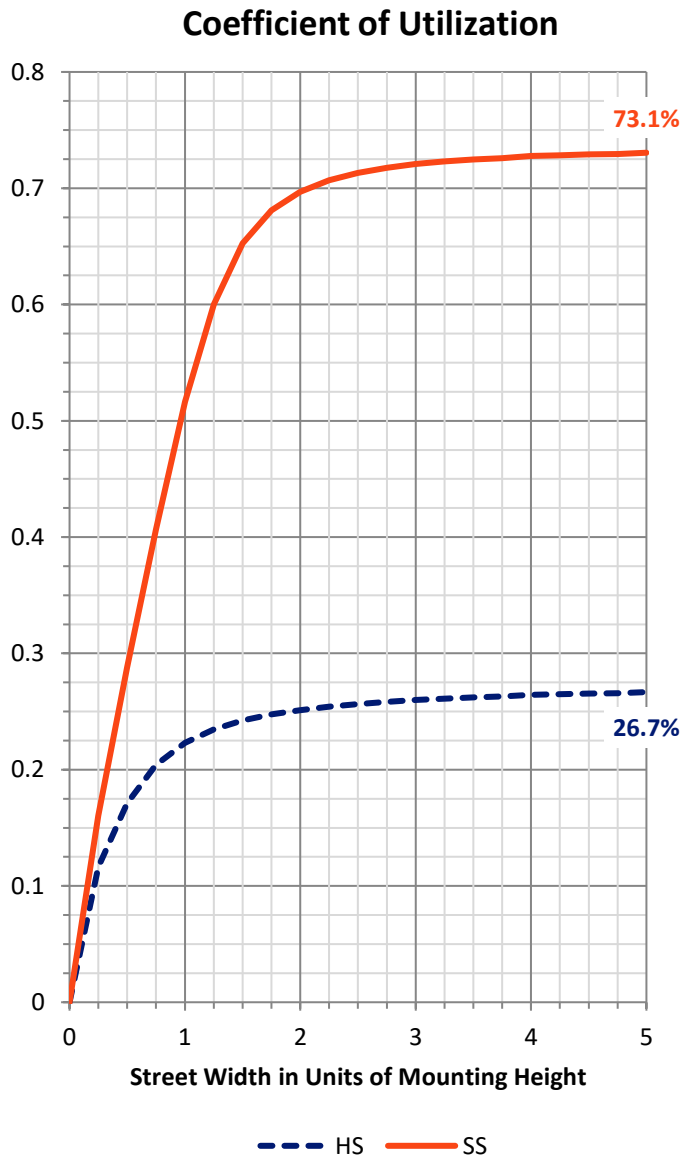
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10248.6	0.0	10248.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	27862.6	0.0	27862.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	38111.2	0.0	38111.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.6	1.5
10°-20°	1657.4	4.3
20°-30°	3139.3	8.2
30°-40°	5534.5	14.5
40°-50°	8184.9	21.5
50°-60°	9611.3	25.2
60°-70°	6963.9	18.3
70°-80°	2147.6	5.6
80°-90°	295.6	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°	38111.2	100.0
0°-180°	38111.2	100.0



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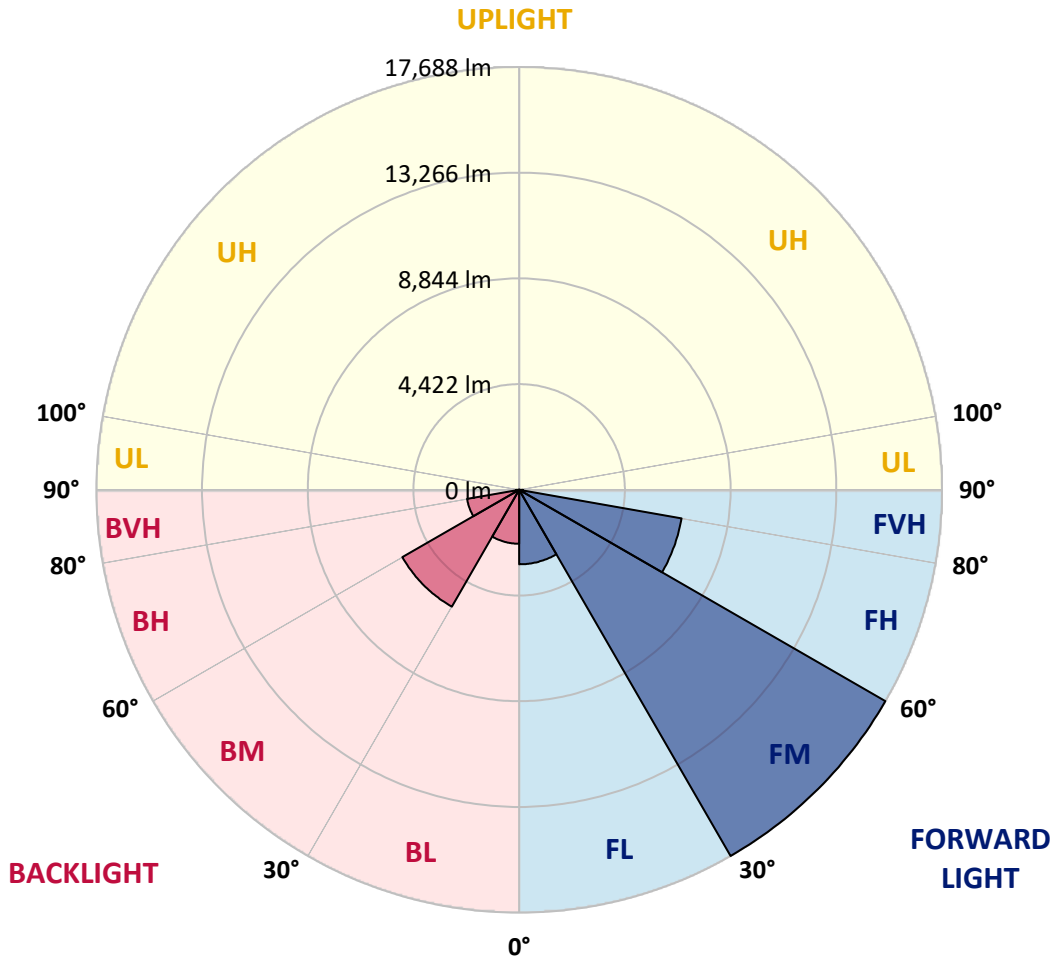
Scaled Data Report

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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°)	3116.2	8.2			
FM	(30°-60°)	17687.6	46.4			
FH	(60°-80°)	6899.3	18.1			G3/7500
FVH	(80°-90°)	159.5	0.4			G2/225
BL	(0°-30°)	2257.1	5.9	B3/2500		
BM	(30°-60°)	5643.2	14.8	B4/8500		
BH	(60°-80°)	2212.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	136.2	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°	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9
2.5°	6253.5	6270.9	6244.8	6262.2	6262.2	6236.1	6227.4	6192.7	6210.1	6201.4	6192.7
5°	6401.2	6409.8	6392.5	6418.5	6418.5	6427.2	6418.5	6375.1	6375.1	6375.1	6357.7
7.5°	6357.7	6357.7	6366.4	6453.3	6540.1	6653.0	6653.0	6635.7	6653.0	6644.3	6566.2
10°	5992.9	6027.7	6105.8	6323.0	6531.4	6774.6	6939.6	6991.8	6991.8	7000.4	6870.2
12.5°	5341.5	5367.6	5550.0	5880.0	6314.3	6757.3	7156.8	7417.3	7443.4	7486.8	7313.1
15°	4759.6	4777.0	4907.3	5246.0	5741.1	6522.7	7278.4	7816.9	7903.7	8086.1	7825.6
17.5°	4811.7	4803.0	4837.8	4968.1	5324.2	6140.6	7252.3	8285.9	8442.2	8763.6	8537.8
20°	5124.4	5124.4	5150.5	5176.5	5306.8	5862.7	7061.2	8668.0	8972.0	9597.4	9336.8
22.5°	5619.5	5619.5	5610.8	5654.2	5654.2	5984.3	7069.9	8954.7	9406.3	10526.7	10274.8
25°	6305.6	6270.9	6270.9	6288.2	6210.1	6444.6	7287.1	9250.0	9840.6	11629.8	11412.6
27.5°	7078.6	7104.7	7087.3	7026.5	6922.3	7104.7	7808.2	9710.3	10327.0	12793.6	12706.8
30°	7921.1	7929.8	7947.2	7912.4	7825.6	7955.8	8624.6	10405.1	10969.7	14009.6	14200.7
32.5°	8746.2	8867.8	8824.4	8737.5	8772.3	9006.8	9632.1	11343.2	11925.1	15138.7	15816.1
35°	9797.2	9840.6	10014.3	9692.9	9701.6	10101.1	10917.6	12576.5	13141.0	16311.2	17431.6
37.5°	11325.8	11404.0	11325.8	10822.0	10743.9	11299.7	12168.3	13792.4	14200.7	17197.1	18934.2
40°	12828.4	12923.9	13054.2	12463.6	11968.5	12428.8	13349.5	14721.8	15147.4	17683.5	19933.0
42.5°	14070.4	14226.7	14087.7	13914.0	13462.4	13549.3	14174.6	15442.7	15868.3	18300.2	20940.5
45°	15121.3	15147.4	15208.2	15086.6	14860.7	14782.6	14878.1	16076.7	16545.7	18578.1	21435.6
47.5°	15555.6	15668.5	15720.6	15929.1	16163.6	16007.2	15477.4	16372.0	16797.6	18560.7	21591.9
50°	15321.1	15434.0	15711.9	16207.0	16771.5	17049.5	16180.9	16780.2	17257.9	18873.4	21913.3
52.5°	14704.4	14826.0	15277.6	15842.2	16788.9	17422.9	17171.1	17631.4	18091.7	19429.3	22451.8
55°	13210.5	13392.9	14026.9	14965.0	16267.8	17223.2	18213.3	18882.1	19385.9	20098.1	23007.7
57.5°	11039.2	11230.2	11942.4	13349.5	15303.7	16398.1	18517.3	21227.2	21453.0	20897.1	23059.8
60°	*8268.5*	*8424.9*	*9432.4*	*10561.5*	*12854.4*	*14886.8*	*18343.6*	*23450.6*	*24023.9*	*20758.1*	*21400.9*
62.5°	6548.8	6739.9	7634.5	8155.6	9797.2	12298.6	17735.6	24067.3	24562.4	19611.7	19090.5
65°	5115.7	5246.0	6079.8	6826.7	7226.3	8398.8	15199.5	21053.5	21496.4	17744.3	15755.3
67.5°	3378.6	3578.4	4568.5	5593.4	5801.9	5341.5	10457.2	16198.3	16406.8	14105.1	11846.9
70°	2423.2	2518.8	3257.0	4351.4	4664.1	3578.4	5697.6	12263.8	12324.6	9467.1	7981.9
72.5°	1650.2	1667.6	2214.8	3335.2	3717.4	2596.9	3135.4	8077.4	7869.0	4672.8	4568.5
75°	1120.4	1137.8	1415.7	2223.5	2631.7	1806.6	2041.1	4403.5	4229.8	2579.6	2770.6
77.5°	755.6	773.0	972.8	1493.9	1754.5	1250.7	1493.9	2327.7	2284.3	1711.0	1485.2
80°	573.2	599.3	720.9	955.4	1224.6	729.6	851.2	1103.0	1120.4	912.0	755.6
82.5°	321.4	356.1	434.3	486.4	790.4	408.2	408.2	660.1	634.0	564.6	408.2
85°	139.0	147.7	173.7	182.4	321.4	173.7	147.7	286.6	295.3	277.9	130.3
87.5°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	34.7	34.7	34.7	34.7
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°	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9
2.5°	6149.3	6201.4	6149.3	6123.2	6123.2	6079.8	6062.4	6062.4	6001.6	6027.7	6010.3
5°	6288.2	6305.6	6244.8	6166.6	6062.4	5975.6	5854.0	5697.6	5602.1	5593.4	5602.1
7.5°	6505.4	6514.1	6349.0	6175.3	5914.8	5602.1	5228.6	4924.6	4655.4	4612.0	4664.1
10°	6809.4	6792.0	6548.8	6140.6	5593.4	4933.3	4360.1	4082.1	3925.8	3917.1	3908.4
12.5°	7217.6	7104.7	6731.2	5992.9	5037.5	4273.2	3977.9	3960.6	4004.0	4038.7	4047.4
15°	7686.6	7538.9	6878.9	5706.3	4473.0	4030.0	4047.4	4195.1	4247.2	4281.9	4281.9
17.5°	8268.5	8077.4	7043.9	5298.1	4186.4	4082.1	4203.7	4342.7	4429.6	4464.3	4455.6
20°	9041.5	8642.0	7174.2	4907.3	4108.2	4169.0	4273.2	4412.2	4499.0	4542.5	4542.5
22.5°	9814.5	9319.5	7200.2	4638.0	4108.2	4177.7	4273.2	4412.2	4507.7	4551.2	4542.5
25°	10865.5	10188.0	7208.9	4446.9	4116.9	4134.3	4221.1	4342.7	4481.7	4525.1	4542.5
27.5°	11985.9	11143.4	7252.3	4403.5	4082.1	4073.5	4134.3	4247.2	4386.1	4499.0	4507.7
30°	13375.5	12220.4	7269.7	4446.9	4090.8	3977.9	4021.3	4134.3	4281.9	4394.8	4429.6
32.5°	14739.2	13219.2	7235.0	4542.5	4108.2	3917.1	3925.8	3995.3	4151.6	4229.8	4290.6
35°	16180.9	14278.8	7174.2	4672.8	4116.9	3891.1	3812.9	3847.6	3951.9	3960.6	3986.6
37.5°	17310.0	15069.2	6991.8	4846.5	4134.3	3795.5	3639.2	3613.1	3569.7	3482.9	3500.2
40°	18239.4	15599.0	6687.8	4933.3	4090.8	3682.6	3422.1	3300.5	3135.4	3005.2	3031.2
42.5°	18908.2	15955.1	6323.0	4950.7	4021.3	3491.5	3170.2	2961.7	2779.3	2640.4	2649.1
45°	19203.5	15920.4	5932.1	4820.4	3856.3	3257.0	2935.7	2735.9	2536.1	2388.5	2371.1
47.5°	19212.1	15581.6	5393.6	4507.7	3578.4	2987.8	2718.5	2501.4	2336.4	2232.2	2223.5
50°	19281.6	15390.6	4889.9	4056.1	3213.6	2701.2	2527.5	2310.3	2214.8	2067.1	2023.7
52.5°	19715.9	15703.2	4542.5	3561.0	2874.9	2492.7	2362.4	2171.4	2015.0	1919.5	1910.8
55°	20419.4	16241.7	4351.4	3187.5	2553.5	2293.0	2206.1	2041.1	1902.1	1806.6	1780.5
57.5°	20506.3	16519.7	4125.6	2840.1	2293.0	2136.6	2101.9	1919.5	1719.7	1650.2	1624.2
60°	*19290.3*	*16050.7*	*3847.6*	*2518.8*	*2101.9*	*2015.0*	*1997.6*	*1754.5*	*1589.4*	*1502.6*	*1467.8*
62.5°	17631.4	14878.1	3422.1	2223.5	1954.2	1893.4	1823.9	1632.9	1424.4	1328.9	1302.8
65°	14409.1	12507.0	2909.6	2023.7	1806.6	1737.1	1719.7	1459.2	1320.2	1268.1	1259.4
67.5°	10917.6	10049.0	2562.2	1876.1	1650.2	1624.2	1563.4	1476.5	1415.7	1354.9	1337.6
70°	7721.3	7252.3	2180.0	1685.0	1493.9	1450.5	1702.3	1606.8	1389.7	1311.5	1302.8
72.5°	4681.4	4551.2	1884.7	1511.3	1285.4	1354.9	1572.1	1450.5	1250.7	1155.2	1120.4
75°	2953.0	2701.2	1580.7	1285.4	1024.9	1103.0	1372.3	1294.1	1077.0	981.5	955.4
77.5°	1606.8	1493.9	1189.9	1050.9	807.7	894.6	1198.6	1068.3	859.9	938.0	833.8
80°	703.5	781.7	790.4	608.0	538.5	660.1	859.9	833.8	660.1	668.8	555.9
82.5°	338.7	443.0	512.4	416.9	304.0	390.8	573.2	477.7	443.0	416.9	399.5
85°	104.2	165.0	225.8	199.8	139.0	165.0	269.2	260.6	312.7	269.2	251.9
87.5°	34.7	34.7	26.1	26.1	26.1	34.7	43.4	26.1	8.7	8.7	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°	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9
2.5°	6001.6	6010.3	6010.3	6019.0	6019.0	6045.1	6079.8	6114.5	6088.5	6123.2	6131.9
5°	5584.7	5628.2	5662.9	5793.2	5897.4	5984.3	6079.8	6166.6	6192.7	6210.1	6253.5
7.5°	4603.3	4724.9	4950.7	5246.0	5576.0	5897.4	6114.5	6340.4	6375.1	6418.5	6479.3
10°	3917.1	3969.2	4125.6	4429.6	5020.2	5654.2	6184.0	6540.1	6687.8	6774.6	6835.4
12.5°	4030.0	3995.3	3969.2	4012.7	4394.8	5211.3	6140.6	6826.7	7104.7	7200.2	7278.4
15°	4299.3	4264.5	4169.0	4047.4	4090.8	4742.2	5992.9	7096.0	7538.9	7695.3	7860.3
17.5°	4455.6	4420.9	4342.7	4212.4	4099.5	4351.4	5715.0	7339.2	8225.1	8416.2	8650.7
20°	4542.5	4507.7	4429.6	4299.3	4169.0	4203.7	5358.9	7643.2	9006.8	9310.8	9658.2
22.5°	4559.8	4516.4	4429.6	4299.3	4221.1	4195.1	5020.2	7825.6	9849.3	10318.3	10717.8
25°	4551.2	4473.0	4360.1	4264.5	4221.1	4212.4	4785.7	7929.8	10761.2	11508.2	11959.8
27.5°	4490.4	4394.8	4281.9	4212.4	4195.1	4247.2	4681.4	8051.4	11829.5	12784.9	13505.8
30°	4420.9	4281.9	4142.9	4116.9	4160.3	4325.3	4768.3	8094.8	12950.0	14174.6	14912.9
32.5°	4238.5	4134.3	3995.3	3986.6	4090.8	4386.1	4968.1	8034.0	13940.1	15564.3	16493.6
35°	3977.9	3917.1	3839.0	3865.0	4030.0	4438.2	5107.0	7842.9	14843.4	16858.4	17944.1
37.5°	3517.6	3561.0	3604.4	3665.2	3873.7	4429.6	5167.8	7538.9	15590.3	17892.0	19281.6
40°	3005.2	3152.8	3291.8	3448.1	3726.0	4360.1	5185.2	7165.5	16024.6	18673.6	20471.5
42.5°	2683.8	2822.8	2996.5	3222.3	3526.3	4203.7	5167.8	6748.6	16163.6	19212.1	21227.2
45°	2388.5	2553.5	2770.6	3005.2	3352.6	3977.9	5011.5	6296.9	16233.0	19464.0	21548.5
47.5°	2232.2	2327.7	2527.5	2762.0	3126.8	3700.0	4707.5	5966.9	16128.8	19516.1	21939.4
50°	2049.8	2180.0	2310.3	2536.1	2892.2	3352.6	4342.7	5775.8	16302.5	20028.6	22556.0
52.5°	1910.8	1980.3	2119.2	2327.7	2588.3	3031.2	3995.3	5619.5	16780.2	20549.7	23198.7
55°	1806.6	1884.7	1971.6	2145.3	2345.1	2709.9	3639.2	5385.0	17336.1	21105.6	23841.5
57.5°	1641.5	1693.7	1815.3	1997.6	2127.9	2397.2	3222.3	5107.0	17292.7	20671.3	22729.7
60°	*1493.9*	*1546.0*	*1676.3*	*1858.7*	*1936.8*	*2119.2*	*2814.1*	*4750.9*	*16458.9*	*19255.6*	*20680.0*
62.5°	1328.9	1389.7	1546.0	1676.3	1745.8	1884.7	2388.5	4099.5	14721.8	17127.6	18282.8
65°	1259.4	1294.1	1398.4	1554.7	1546.0	1676.3	2015.0	3222.3	11846.9	13088.9	14139.9
67.5°	1337.6	1389.7	1372.3	1415.7	1389.7	1459.2	1806.6	2588.3	9310.8	9857.9	10465.9
70°	1320.2	1441.8	1502.6	1415.7	1216.0	1294.1	1563.4	2067.1	6661.7	6609.6	6583.5
72.5°	1155.2	1276.8	1450.5	1537.3	1189.9	1077.0	1354.9	1789.2	4273.2	4255.9	3847.6
75°	981.5	1068.3	1276.8	1389.7	1024.9	868.5	1163.8	1519.9	2553.5	2588.3	2310.3
77.5°	903.3	859.9	1068.3	1224.6	833.8	668.8	938.0	1146.5	1407.0	1424.4	1320.2
80°	651.4	625.4	799.1	894.6	634.0	477.7	529.8	712.2	755.6	677.5	703.5
82.5°	416.9	425.6	477.7	573.2	390.8	260.6	364.8	477.7	408.2	330.0	390.8
85°	269.2	304.0	251.9	295.3	121.6	121.6	156.3	208.5	139.0	95.5	104.2
87.5°	0.0	0.0	17.4	34.7	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

REPORT NUMBER: P1501343
CATALOG NUMBER: GSS-SB5C-740-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	6131.9	6131.9	*6131.9*	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9	6131.9
2.5°	6158.0	6149.3	*6149.3*	6166.6	6210.1	6227.4	6253.5	6244.8	6270.9	6253.5
5°	6279.6	6288.2	*6314.3*	6323.0	6349.0	6383.8	6392.5	6383.8	6401.2	6401.2
7.5°	6522.7	6557.5	*6540.1*	6583.5	6548.8	6505.4	6435.9	6383.8	6340.4	6357.7
10°	6931.0	6913.6	*6904.9*	6826.7	6670.4	6444.6	6262.2	6062.4	6027.7	5992.9
12.5°	7382.6	7365.2	*7365.2*	7096.0	6653.0	6184.0	5767.1	5454.4	5350.2	5341.5
15°	8016.6	7903.7	*7799.5*	7235.0	6349.0	5550.0	5063.6	4820.4	4759.6	4759.6
17.5°	8807.0	8511.7	*8338.0*	7130.7	5854.0	5133.1	4846.5	4785.7	4768.3	4811.7
20°	9788.5	9041.5	*8789.6*	6896.2	5671.6	5185.2	5046.2	5054.9	5063.6	5124.4
22.5°	10865.5	9527.9	*9111.0*	6896.2	5854.0	5515.2	5445.8	5541.3	5567.4	5619.5
25°	12064.0	9962.2	*9397.6*	7261.0	6392.5	6140.6	6053.7	6149.3	6218.8	6305.6
27.5°	13410.3	10413.8	*9892.7*	7921.1	7087.3	6931.0	6835.4	6878.9	6974.4	7078.6
30°	14617.6	11169.4	*10648.3*	8928.6	8034.0	7842.9	7677.9	7747.4	7851.6	7921.1
32.5°	15685.9	12090.1	*11647.1*	9988.2	9119.7	8789.6	8607.2	8589.9	8798.3	8746.2
35°	16667.3	13175.8	*12750.2*	11195.5	10222.7	9814.5	9571.3	9884.0	9745.0	9797.2
37.5°	17440.3	14304.9	*13966.2*	12350.7	11369.2	10813.3	10665.7	11047.9	11265.0	11325.8
40°	18074.4	15286.3	*14930.2*	13497.1	12420.1	12011.9	12246.4	12880.5	12854.4	12828.4
42.5°	18560.7	16128.8	*15738.0*	14365.7	13427.7	13505.8	13688.2	14113.8	14218.0	14070.4
45°	18777.9	16658.6	*16346.0*	15051.8	14574.1	15025.8	15103.9	15286.3	15216.9	15121.3
47.5°	19029.7	17127.6	*16797.6*	15677.2	15816.1	16259.1	16102.8	15955.1	15703.2	15555.6
50°	19455.3	17683.5	*17405.6*	16589.1	17092.9	16945.2	16337.3	16007.2	15494.8	15321.1
52.5°	20263.1	18734.4	*18526.0*	18030.9	17692.2	16841.0	16102.8	15512.2	14938.9	14704.4
55°	20984.0	20158.9	*20037.3*	19377.2	17509.8	16293.8	15303.7	14391.7	13410.3	13210.5
57.5°	21400.9	22521.3	*22660.3*	19950.4	16676.0	15051.8	13592.7	12133.5	11204.2	11039.2
60°	*20158.9*	*25074.8*	*25144.3*	*19837.5*	*15173.4*	*12811.0*	*10587.5*	*9554.0*	*8555.1*	*8268.5*
62.5°	18447.8	24545.0	*24484.2*	19160.0	12081.4	9345.5	8042.7	7556.3	6783.3	6548.8
65°	15859.6	20445.5	*20515.0*	16554.4	8034.0	6757.3	6757.3	6140.6	5280.7	5115.7
67.5°	12923.9	15764.0	*15607.7*	10735.2	4933.3	5411.0	5671.6	4785.7	3578.4	3378.6
70°	8398.8	12038.0	*11820.9*	6192.7	3100.7	4507.7	4464.3	3595.8	2562.2	2423.2
72.5°	3613.1	6957.0	*7400.0*	3161.5	2336.4	3630.5	3561.0	2518.8	1711.0	1650.2
75°	2180.0	3500.2	*3812.9*	2015.0	1702.3	2735.9	2466.7	1598.1	1163.8	1120.4
77.5°	1381.0	1919.5	*1902.1*	1511.3	1276.8	1850.0	1658.9	1103.0	790.4	755.6
80°	799.1	946.7	*981.5*	946.7	859.9	1320.2	1059.6	799.1	616.7	573.2
82.5°	512.4	590.6	*599.3*	460.3	477.7	851.2	573.2	469.0	356.1	321.4
85°	225.8	251.9	*243.2*	156.3	156.3	347.4	199.8	191.1	139.0	139.0
87.5°	8.7	17.4	*8.7*	8.7	8.7	34.7	17.4	26.1	26.1	26.1
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

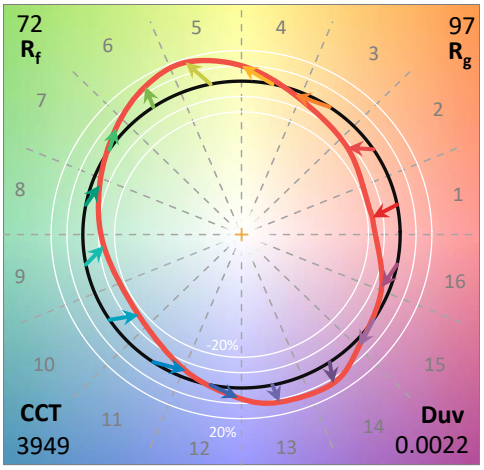
Test Information

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

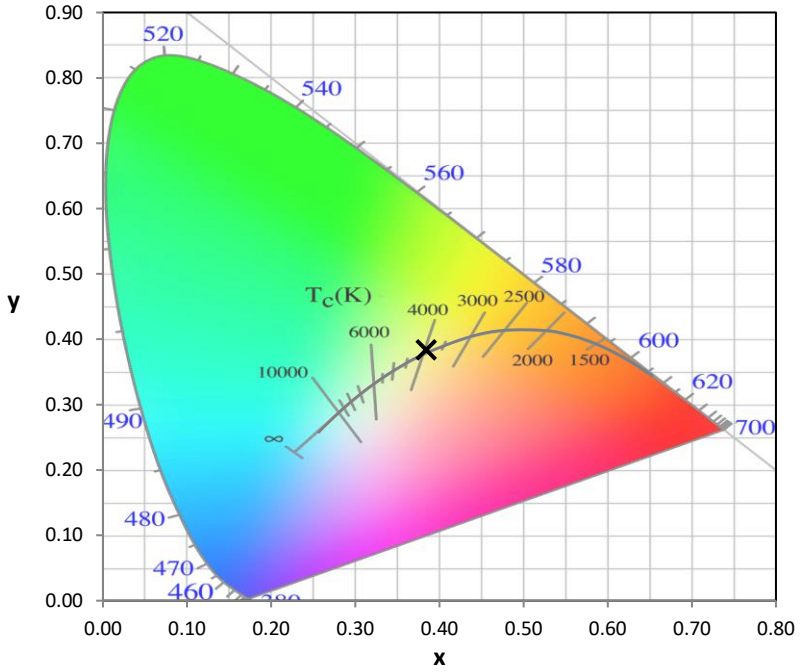
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

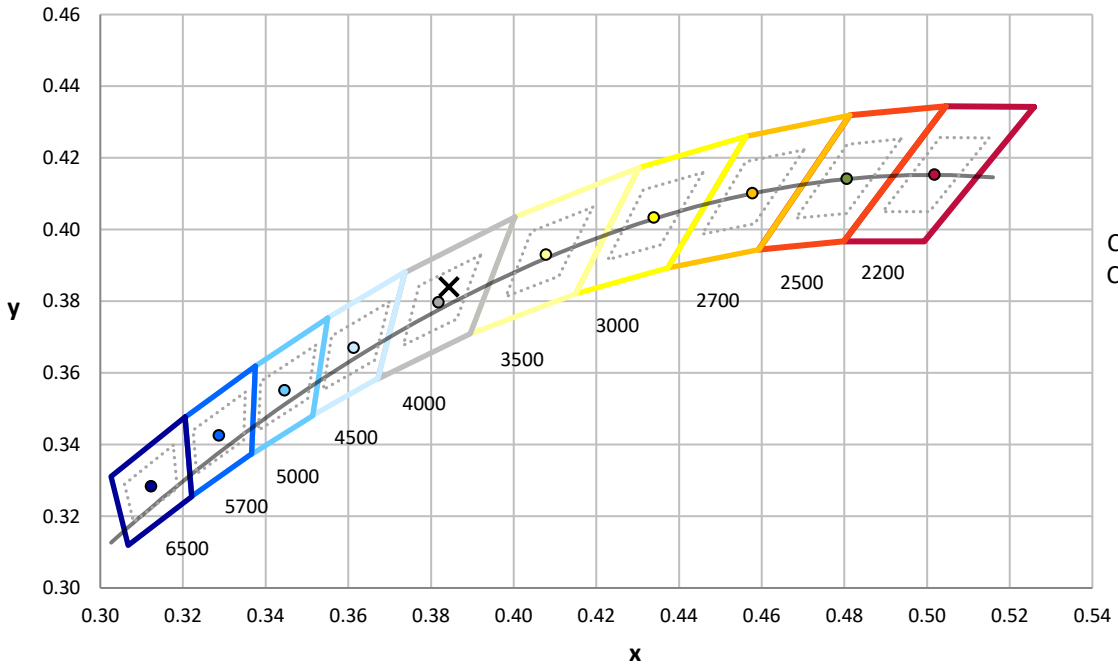
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

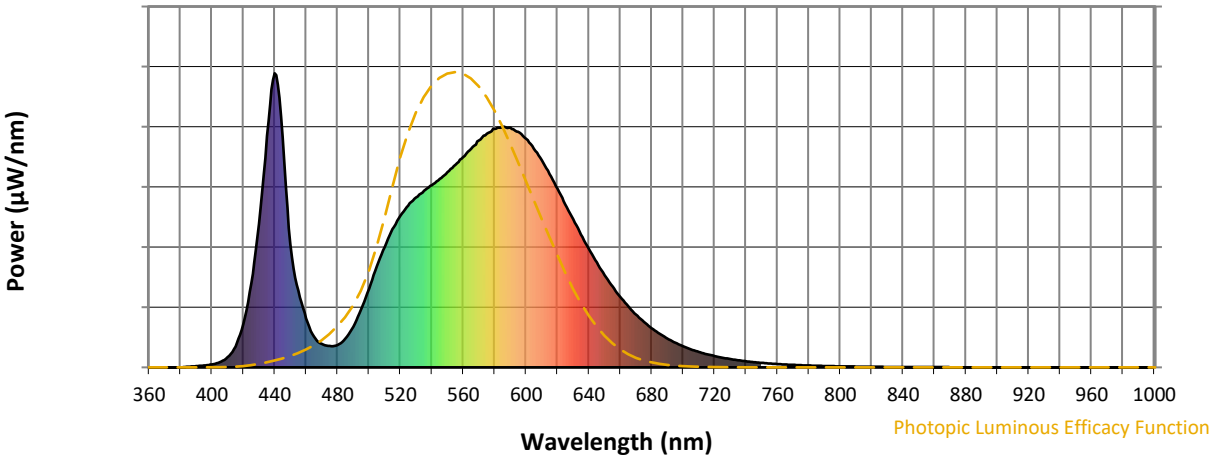


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

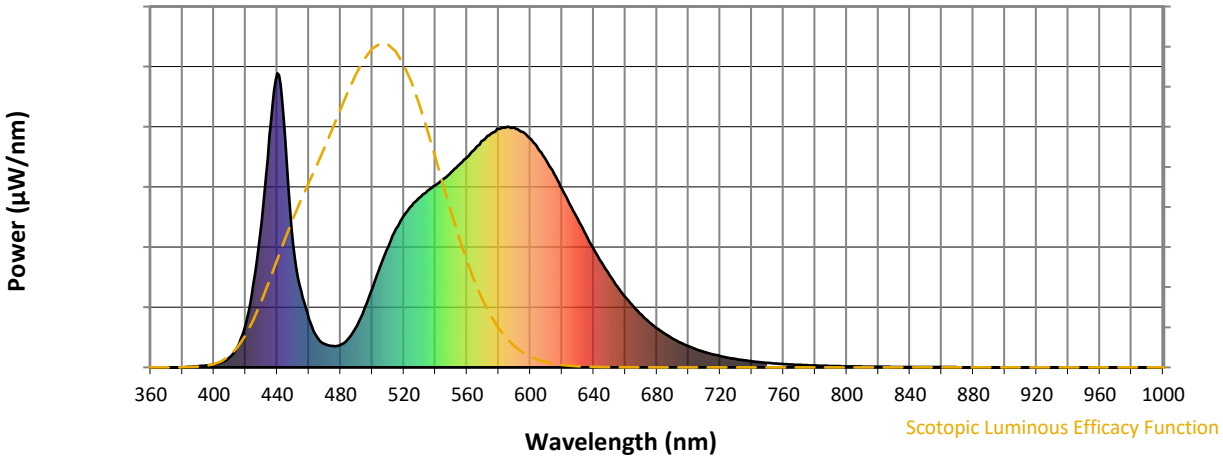


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength

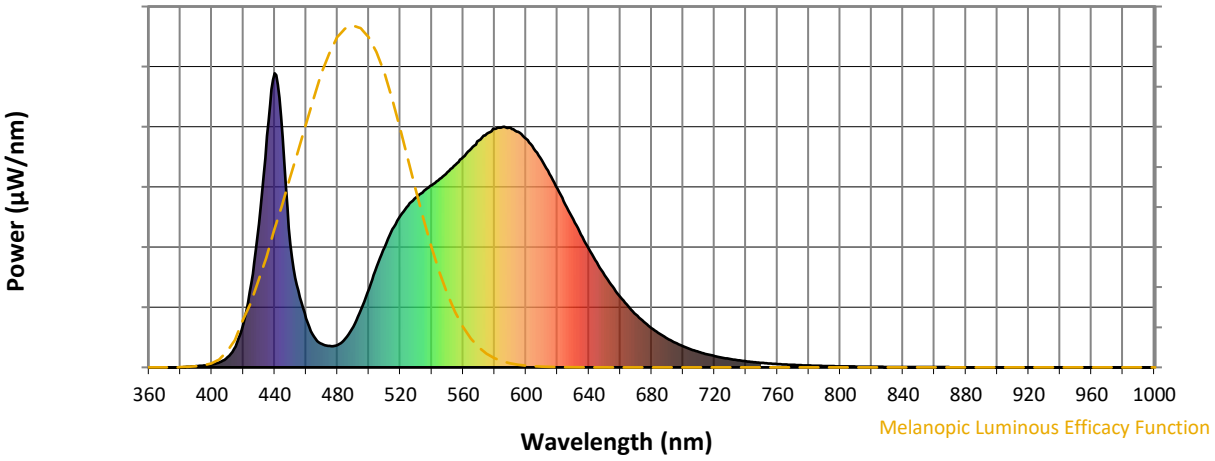


Scotopic Lumens: NR **S/P: 1.47**

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			

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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			

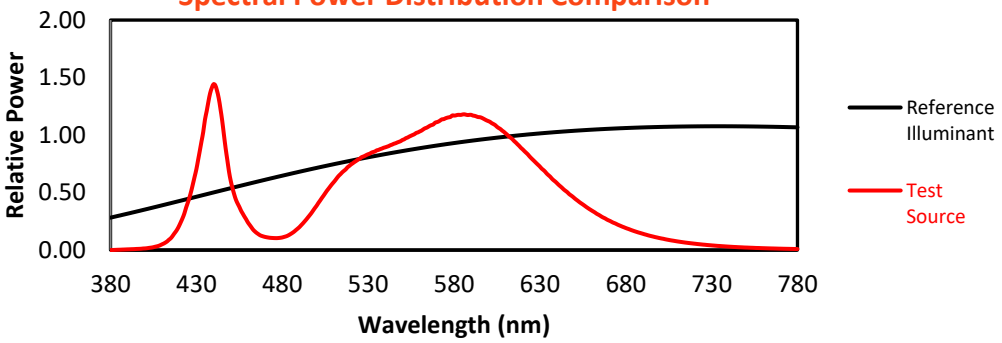
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TM-30-18

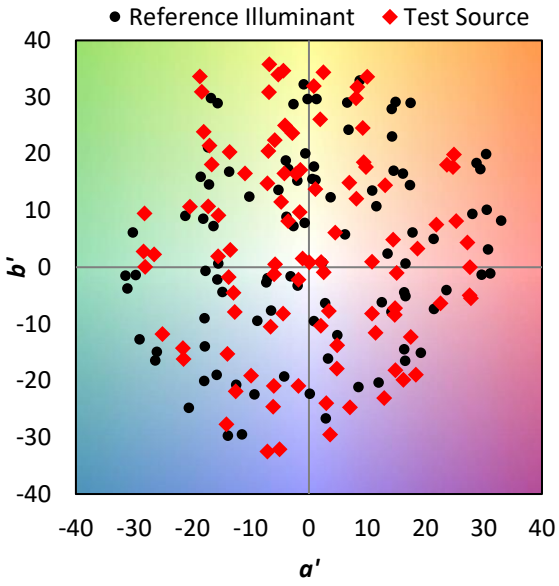
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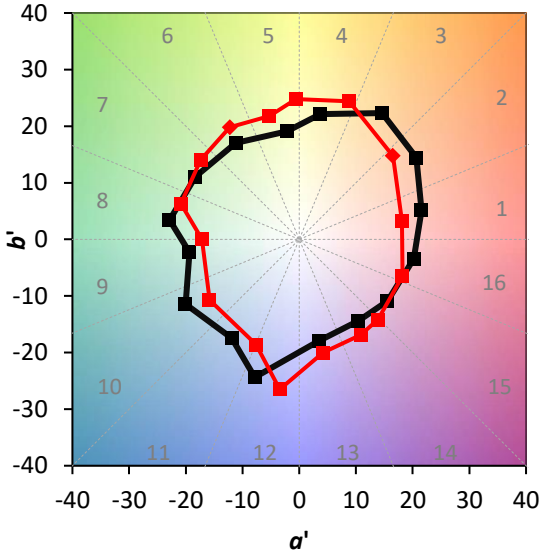
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

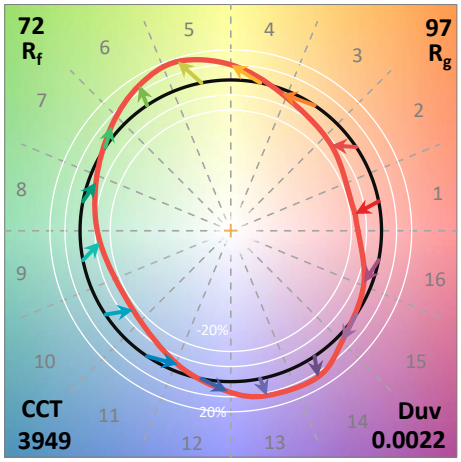
Spectral Power Distribution Comparison

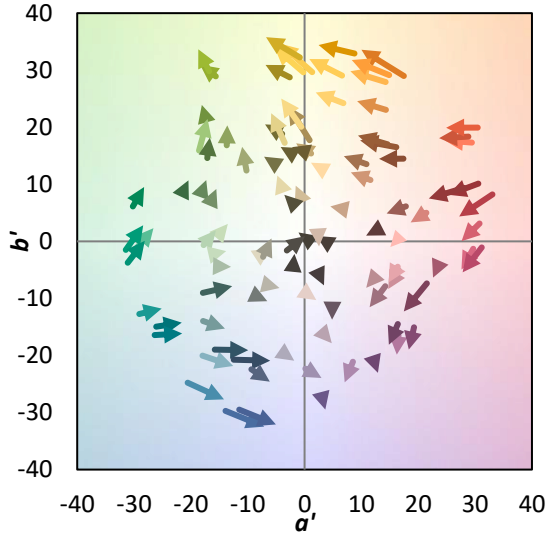


Color Vector Graphics







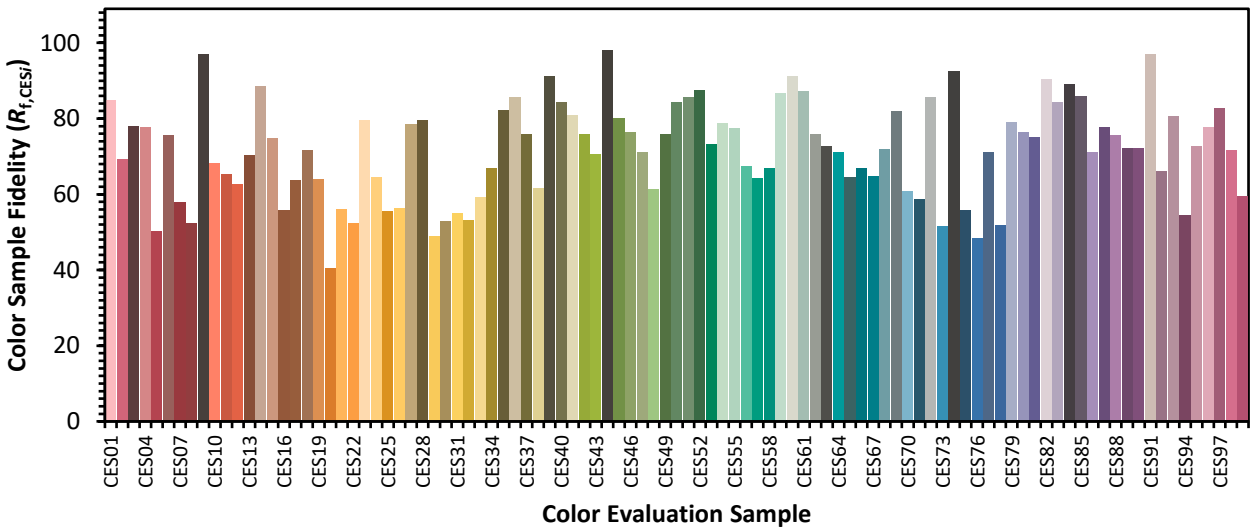


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Individual Sample Fidelity Index ($R_{f,i}$)

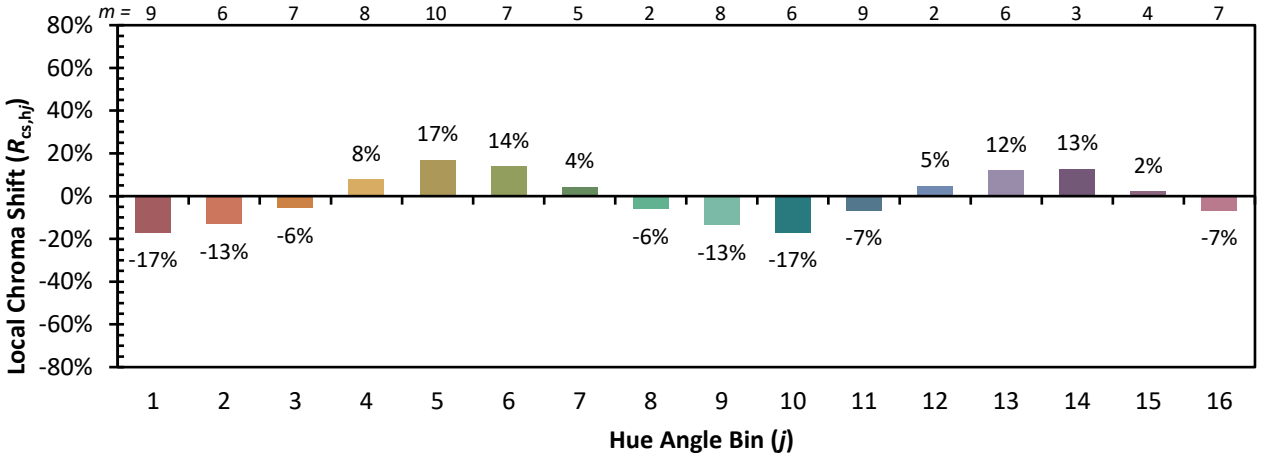
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 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	

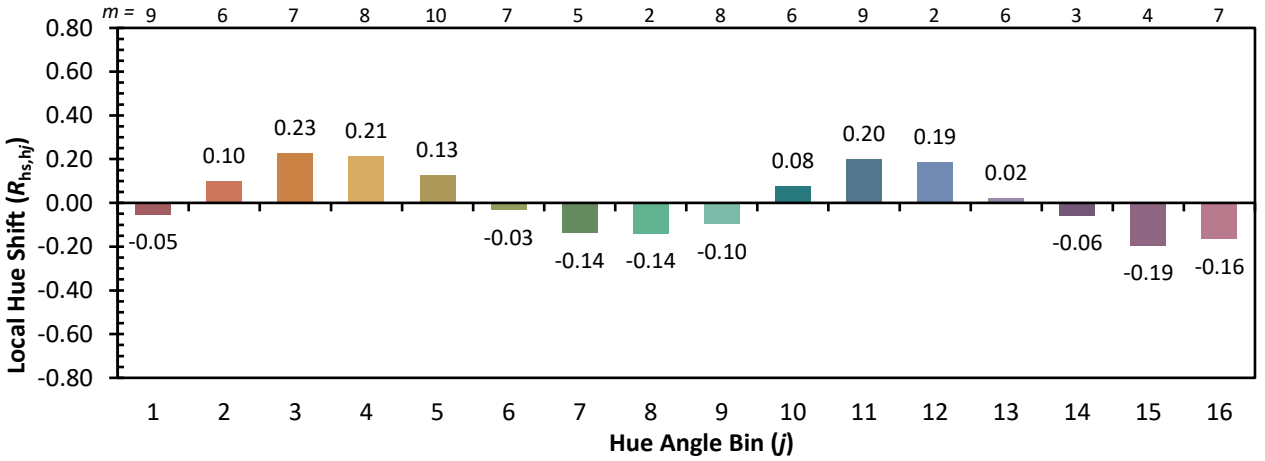


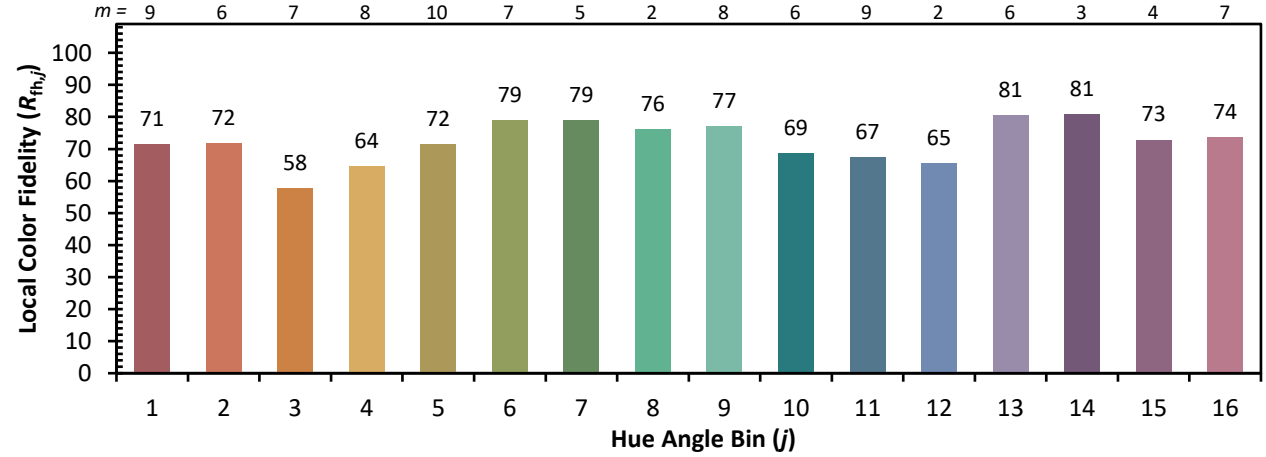
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Color Rendition by Hue-Angle Bin



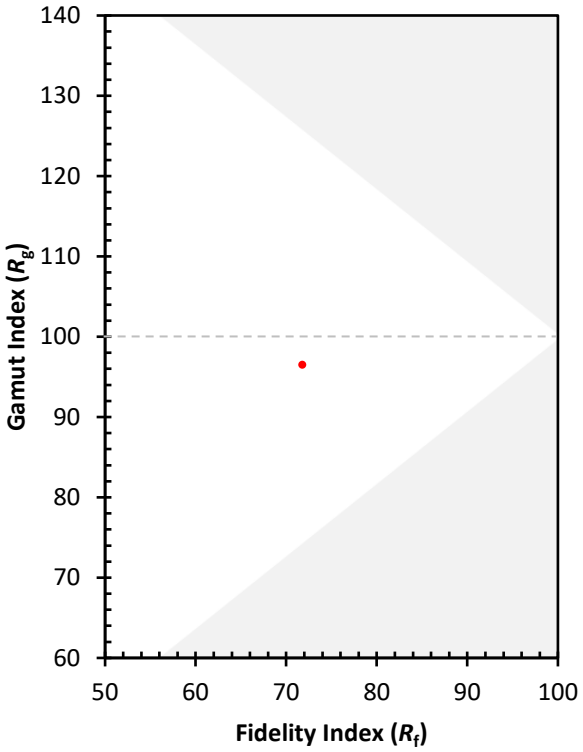


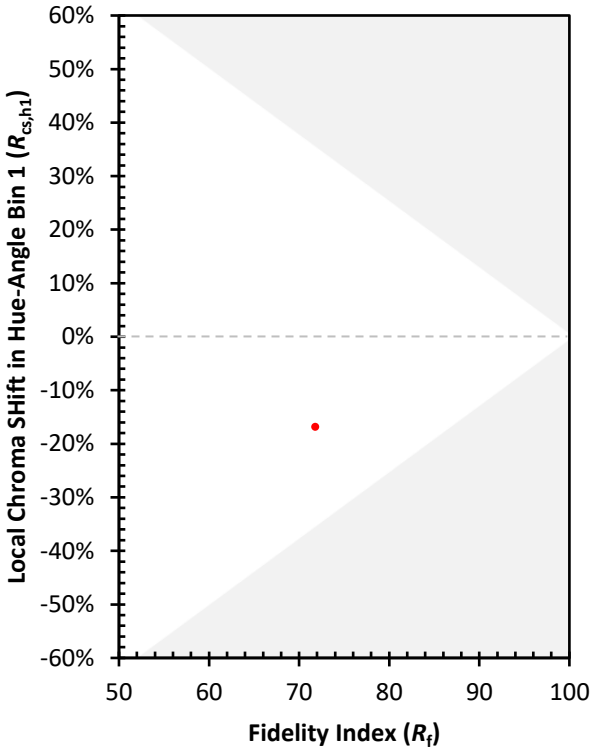


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Measure Comparisons





(END OF REPORT)