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: P1501560

Luminaire Tested: GSS-SB5D-835-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501560
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5D-835-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 302W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	39542.9 lumens
Efficiency:	N/A
Efficacy:	130.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

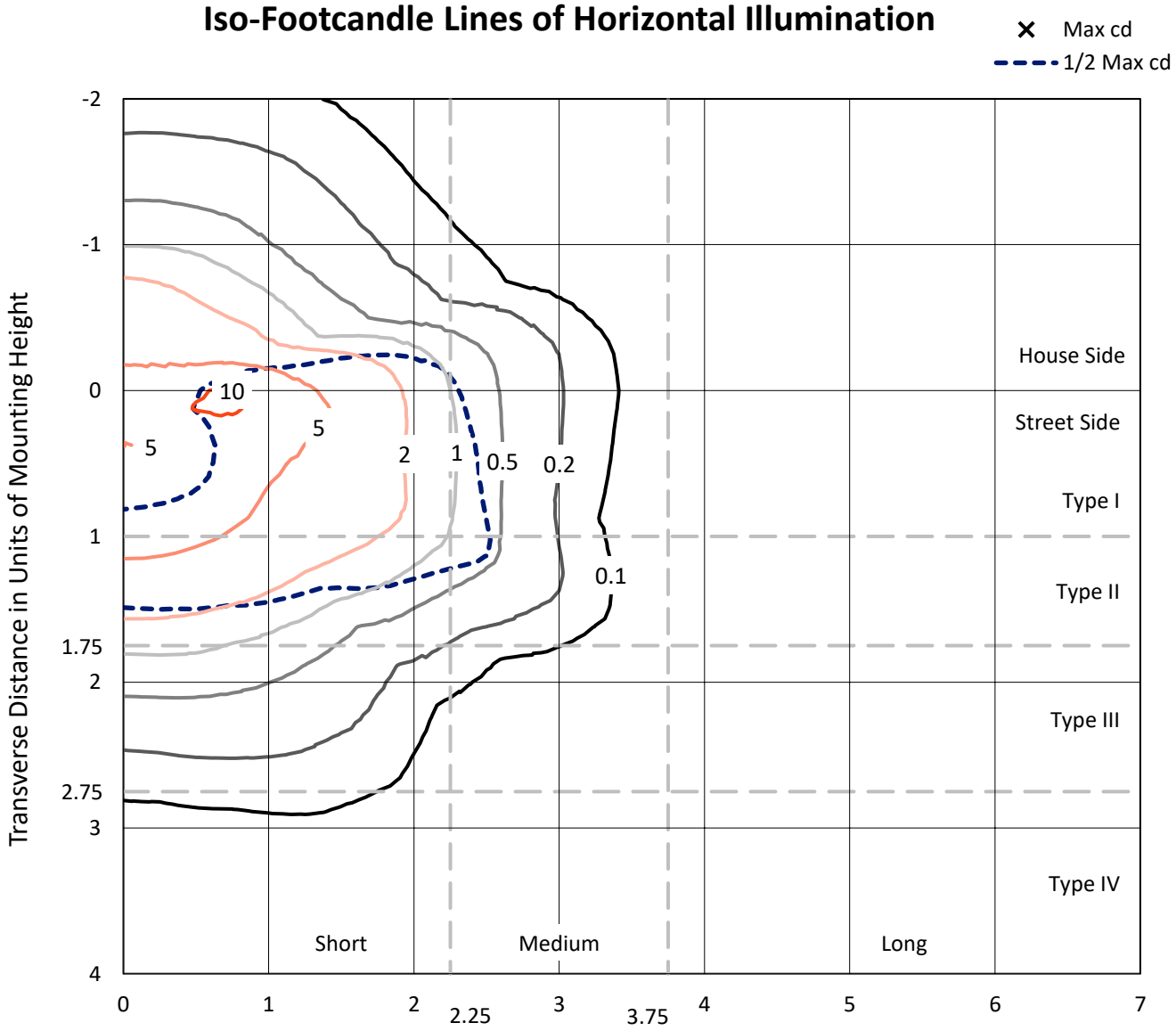
Input Watts (W):	302
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



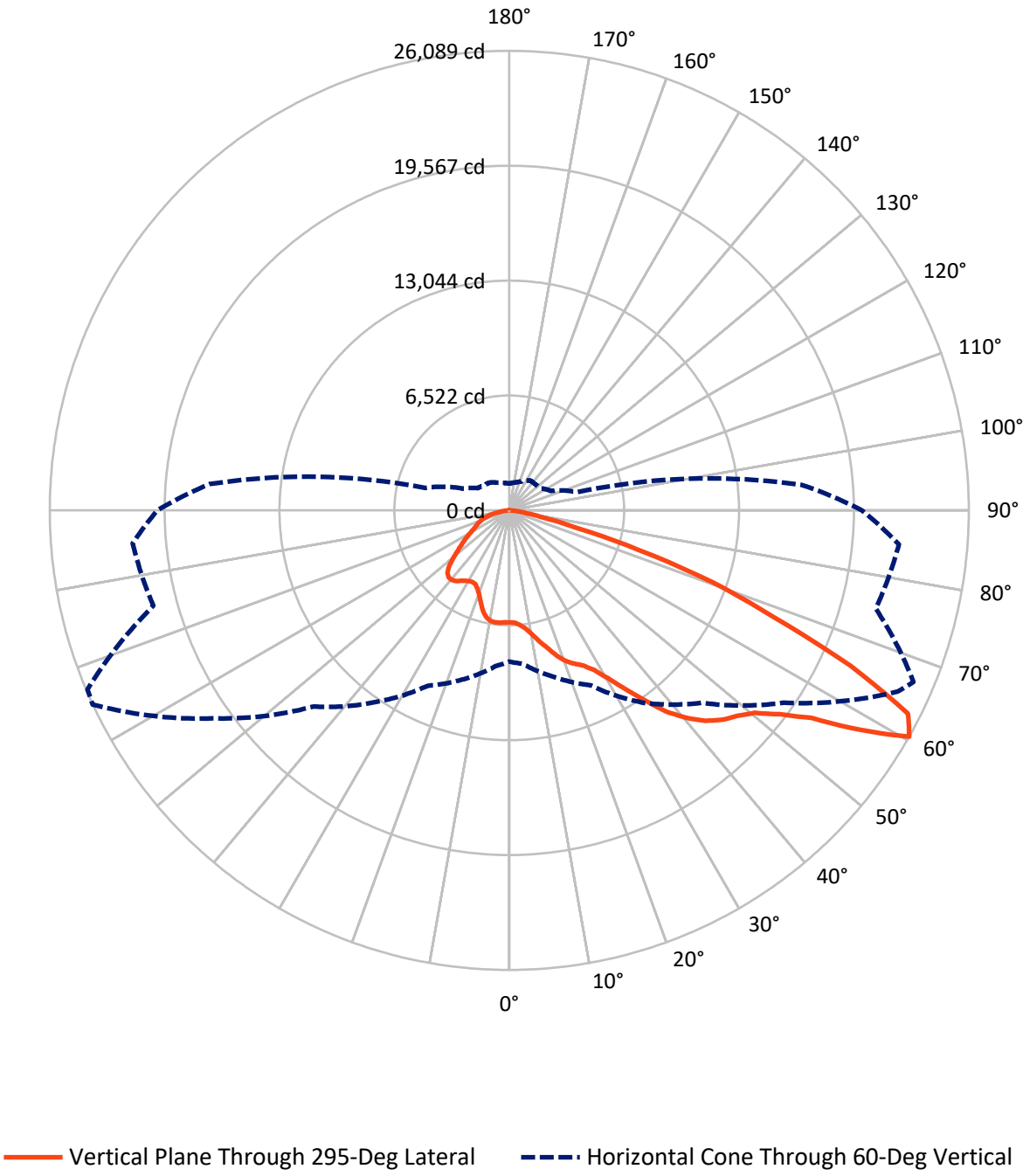
Based on 30 foot mounting height. Maximum calculated value = 10.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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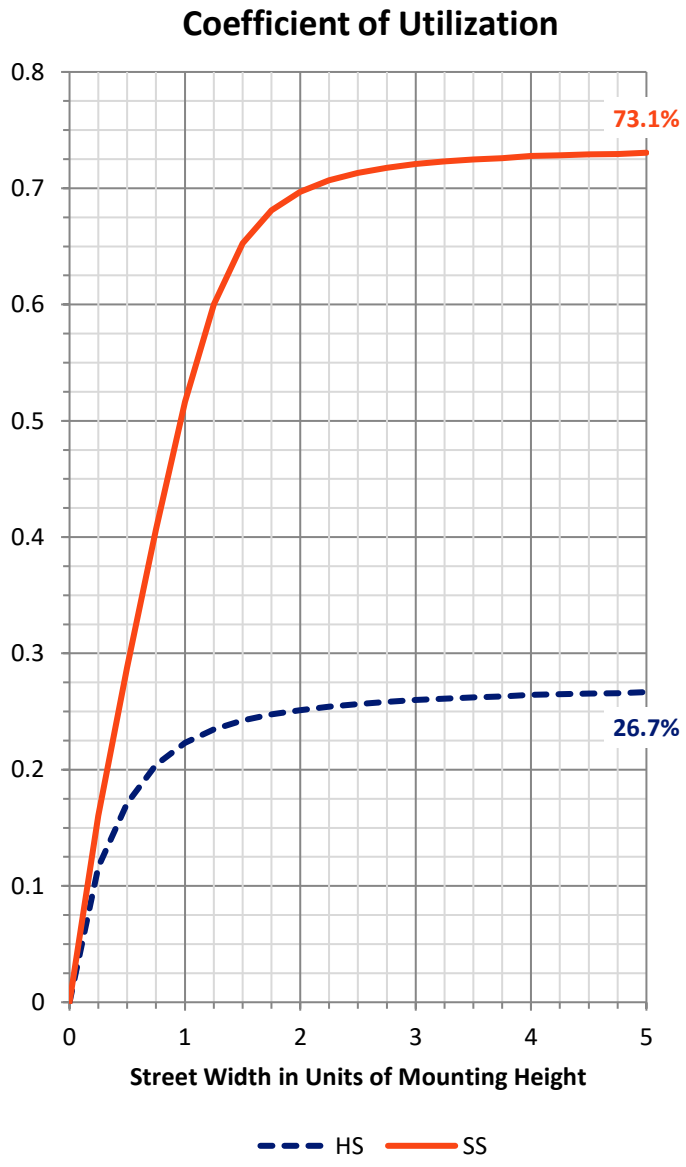
REPORT NUMBER: P1501560
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10633.6	0.0	10633.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	28909.3	0.0	28909.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	39542.9	0.0	39542.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.2	1.5
10°-20°	1719.6	4.3
20°-30°	3257.3	8.2
30°-40°	5742.4	14.5
40°-50°	8492.4	21.5
50°-60°	9972.4	25.2
60°-70°	7225.5	18.3
70°-80°	2228.3	5.6
80°-90°	306.7	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°	39542.9	100.0
0°-180°	39542.9	100.0



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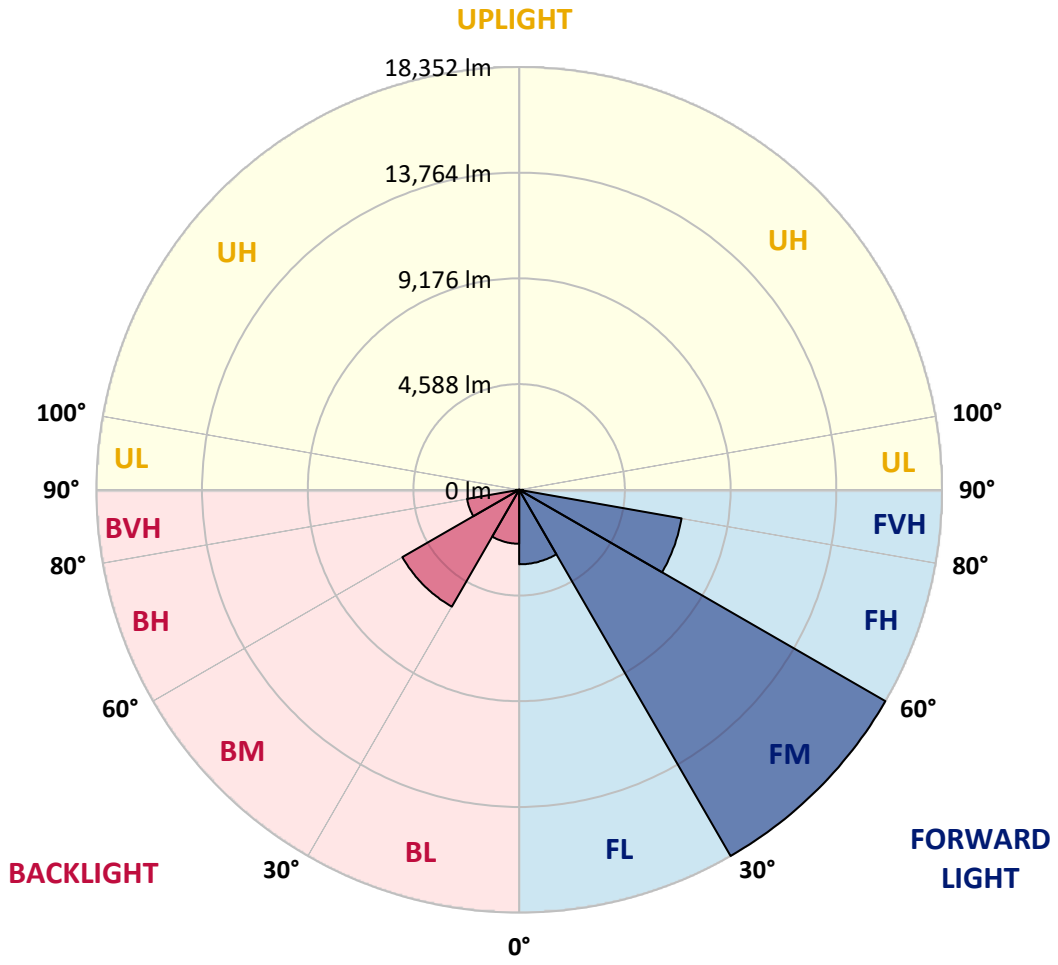
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3233.3	8.2			
FM	(30°-60°)	18352.1	46.4			
FH	(60°-80°)	7158.5	18.1			G3/7500
FVH	(80°-90°)	165.5	0.4			G2/225
BL	(0°-30°)	2341.9	5.9	B3/2500		
BM	(30°-60°)	5855.2	14.8	B4/8500		
BH	(60°-80°)	2295.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	141.3	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°	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3
2.5°	6488.4	6506.4	6479.4	6497.4	6497.4	6470.4	6461.4	6425.3	6443.4	6434.4	6425.3
5°	6641.6	6650.6	6632.6	6659.6	6659.6	6668.7	6659.6	6614.6	6614.6	6614.6	6596.6
7.5°	6596.6	6596.6	6605.6	6695.7	6785.8	6903.0	6903.0	6884.9	6903.0	6894.0	6812.8
10°	6218.1	6254.1	6335.2	6560.5	6776.8	7029.1	7200.3	7254.4	7254.4	7263.4	7128.3
12.5°	5542.2	5569.2	5758.5	6100.9	6551.5	7011.1	7425.6	7696.0	7723.0	7768.1	7587.9
15°	4938.4	4956.4	5091.6	5443.1	5956.7	6767.8	7551.8	8110.5	8200.6	8389.9	8119.5
17.5°	4992.5	4983.5	5019.5	5154.7	5524.2	6371.3	7524.8	8597.2	8759.4	9092.8	8858.5
20°	5316.9	5316.9	5343.9	5371.0	5506.1	6082.9	7326.5	8993.7	9309.1	9957.9	9687.6
22.5°	5830.6	5830.6	5821.6	5866.6	5866.6	6209.1	7335.5	9291.1	9759.7	10922.2	10660.8
25°	6542.5	6506.4	6506.4	6524.5	6443.4	6686.7	7560.8	9597.5	10210.3	12066.7	11841.4
27.5°	7344.5	7371.6	7353.5	7290.5	7182.3	7371.6	8101.5	10075.1	10714.9	13274.2	13184.1
30°	8218.7	8227.7	8245.7	8209.7	8119.5	8254.7	8948.6	10796.0	11381.8	14535.9	14734.1
32.5°	9074.8	9200.9	9155.9	9065.8	9101.8	9345.1	9994.0	11769.3	12373.1	15707.4	16410.3
35°	10165.2	10210.3	10390.5	10057.1	10066.1	10480.6	11327.7	13048.9	13634.7	16924.0	18086.5
37.5°	11751.3	11832.4	11751.3	11228.6	11147.5	11724.2	12625.4	14310.6	14734.1	17843.2	19645.5
40°	13310.3	13409.4	13544.6	12931.8	12418.1	12895.7	13851.0	15274.8	15716.4	18347.8	20681.9
42.5°	14599.0	14761.2	14617.0	14436.7	13968.1	14058.3	14707.1	16022.8	16464.4	18987.7	21727.2
45°	15689.4	15716.4	15779.5	15653.3	15419.0	15337.9	15437.0	16680.7	17167.3	19276.0	22240.9
47.5°	16140.0	16257.1	16311.2	16527.5	16770.8	16608.6	16058.8	16987.1	17428.6	19258.0	22403.1
50°	15896.6	16013.8	16302.2	16815.8	17401.6	17690.0	16788.8	17410.6	17906.2	19582.4	22736.5
52.5°	15256.8	15383.0	15851.6	16437.3	17419.6	18077.5	17816.1	18293.8	18771.4	20159.2	23295.2
55°	13706.8	13896.0	14553.9	15527.2	16878.9	17870.2	18897.5	19591.4	20114.1	20853.1	23872.0
57.5°	11453.9	11652.1	12391.1	13851.0	15878.6	17014.1	19212.9	22024.6	22258.9	21682.1	23926.1
60°	*8579.1*	*8741.3*	*9786.7*	*10958.2*	*13337.3*	*15446.1*	*19032.7*	*24331.6*	*24926.4*	*21538.0*	*22204.8*
62.5°	6794.8	6993.1	7921.3	8462.0	10165.2	12760.6	18401.9	24971.4	25485.1	20348.4	19807.7
65°	5307.9	5443.1	6308.2	7083.2	7497.7	8714.3	15770.5	21844.4	22304.0	18410.9	16347.2
67.5°	3505.6	3712.8	4740.2	5803.5	6019.8	5542.2	10850.1	16806.8	17023.1	14635.0	12292.0
70°	2514.3	2613.4	3379.4	4514.9	4839.3	3712.8	5911.7	12724.5	12787.6	9822.8	8281.8
72.5°	1712.2	1730.2	2298.0	3460.5	3857.0	2694.5	3253.2	8380.9	8164.6	4848.3	4740.2
75°	1162.5	1180.5	1468.9	2307.0	2730.5	1874.4	2117.7	4568.9	4388.7	2676.5	2874.7
77.5°	784.0	802.0	1009.3	1550.0	1820.4	1297.7	1550.0	2415.1	2370.1	1775.3	1541.0
80°	594.8	621.8	748.0	991.3	1270.6	757.0	883.1	1144.5	1162.5	946.2	784.0
82.5°	333.4	369.5	450.6	504.7	820.1	423.5	423.5	684.9	657.9	585.8	423.5
85°	144.2	153.2	180.2	189.2	333.4	180.2	153.2	297.4	306.4	288.4	135.2
87.5°	27.0	27.0	27.0	27.0	27.0	27.0	27.0	36.0	36.0	36.0	36.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3
2.5°	6380.3	6434.4	6380.3	6353.2	6353.2	6308.2	6290.2	6290.2	6227.1	6254.1	6236.1
5°	6524.5	6542.5	6479.4	6398.3	6290.2	6200.0	6073.9	5911.7	5812.5	5803.5	5812.5
7.5°	6749.8	6758.8	6587.6	6407.3	6137.0	5812.5	5425.0	5109.6	4830.3	4785.2	4839.3
10°	7065.2	7047.1	6794.8	6371.3	5803.5	5118.6	4523.9	4235.5	4073.3	4064.3	4055.3
12.5°	7488.7	7371.6	6984.1	6218.1	5226.8	4433.8	4127.4	4109.3	4154.4	4190.4	4199.5
15°	7975.4	7822.2	7137.3	5920.7	4641.0	4181.4	4199.5	4352.7	4406.7	4442.8	4442.8
17.5°	8579.1	8380.9	7308.5	5497.1	4343.6	4235.5	4361.7	4505.8	4596.0	4632.0	4623.0
20°	9381.2	8966.6	7443.7	5091.6	4262.5	4325.6	4433.8	4577.9	4668.1	4713.1	4713.1
22.5°	10183.2	9669.6	7470.7	4812.2	4262.5	4334.6	4433.8	4577.9	4677.1	4722.1	4713.1
25°	11273.6	10570.7	7479.7	4614.0	4271.5	4289.6	4379.7	4505.8	4650.0	4695.1	4713.1
27.5°	12436.1	11562.0	7524.8	4568.9	4235.5	4226.5	4289.6	4406.7	4550.9	4668.1	4677.1
30°	13878.0	12679.5	7542.8	4614.0	4244.5	4127.4	4172.4	4289.6	4442.8	4559.9	4596.0
32.5°	15292.9	13715.8	7506.7	4713.1	4262.5	4064.3	4073.3	4145.4	4307.6	4388.7	4451.8
35°	16788.8	14815.2	7443.7	4848.3	4271.5	4037.2	3956.1	3992.2	4100.3	4109.3	4136.4
37.5°	17960.3	15635.3	7254.4	5028.5	4289.6	3938.1	3775.9	3748.9	3703.8	3613.7	3631.7
40°	18924.6	16185.0	6939.0	5118.6	4244.5	3821.0	3550.6	3424.4	3253.2	3118.0	3145.1
42.5°	19618.5	16554.5	6560.5	5136.7	4172.4	3622.7	3289.3	3073.0	2883.7	2739.6	2748.6
45°	19924.9	16518.4	6155.0	5001.5	4001.2	3379.4	3046.0	2838.7	2631.4	2478.2	2460.2
47.5°	19933.9	16167.0	5596.3	4677.1	3712.8	3100.0	2820.7	2595.4	2424.1	2316.0	2307.0
50°	20006.0	15968.7	5073.6	4208.5	3334.3	2802.6	2622.4	2397.1	2298.0	2144.8	2099.7
52.5°	20456.6	16293.2	4713.1	3694.8	2982.9	2586.4	2451.2	2252.9	2090.7	1991.6	1982.6
55°	21186.5	16851.9	4514.9	3307.3	2649.4	2379.1	2289.0	2117.7	1973.6	1874.4	1847.4
57.5°	21276.6	17140.3	4280.6	2946.8	2379.1	2216.9	2180.8	1991.6	1784.3	1712.2	1685.2
60°	*20015.0*	*16653.6*	*3992.2*	*2613.4*	*2180.8*	*2090.7*	*2072.7*	*1820.4*	*1649.1*	*1559.0*	*1523.0*
62.5°	18293.8	15437.0	3550.6	2307.0	2027.6	1964.6	1892.5	1694.2	1477.9	1378.8	1351.8
65°	14950.4	12976.8	3018.9	2099.7	1874.4	1802.3	1784.3	1514.0	1369.8	1315.7	1306.7
67.5°	11327.7	10426.5	2658.5	1946.5	1712.2	1685.2	1622.1	1532.0	1468.9	1405.8	1387.8
70°	8011.4	7524.8	2261.9	1748.3	1550.0	1505.0	1766.3	1667.2	1441.9	1360.8	1351.8
72.5°	4857.3	4722.1	1955.5	1568.0	1333.7	1405.8	1631.1	1505.0	1297.7	1198.6	1162.5
75°	3064.0	2802.6	1640.1	1333.7	1063.4	1144.5	1423.8	1342.7	1117.5	1018.3	991.3
77.5°	1667.2	1550.0	1234.6	1090.4	838.1	928.2	1243.6	1108.4	892.2	973.3	865.1
80°	729.9	811.1	820.1	630.8	558.7	684.9	892.2	865.1	684.9	693.9	576.7
82.5°	351.5	459.6	531.7	432.6	315.4	405.5	594.8	495.6	459.6	432.6	414.5
85°	108.1	171.2	234.3	207.3	144.2	171.2	279.4	270.4	324.4	279.4	261.3
87.5°	36.0	36.0	27.0	27.0	27.0	36.0	45.1	27.0	9.0	9.0	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°	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3
2.5°	6227.1	6236.1	6236.1	6245.1	6245.1	6272.1	6308.2	6344.2	6317.2	6353.2	6362.3
5°	5794.5	5839.6	5875.6	6010.8	6118.9	6209.1	6308.2	6398.3	6425.3	6443.4	6488.4
7.5°	4776.2	4902.4	5136.7	5443.1	5785.5	6118.9	6344.2	6578.5	6614.6	6659.6	6722.7
10°	4064.3	4118.3	4280.6	4596.0	5208.8	5866.6	6416.3	6785.8	6939.0	7029.1	7092.2
12.5°	4181.4	4145.4	4118.3	4163.4	4559.9	5407.0	6371.3	7083.2	7371.6	7470.7	7551.8
15°	4460.8	4424.7	4325.6	4199.5	4244.5	4920.4	6218.1	7362.6	7822.2	7984.4	8155.6
17.5°	4623.0	4587.0	4505.8	4370.7	4253.5	4514.9	5929.7	7614.9	8534.1	8732.3	8975.7
20°	4713.1	4677.1	4596.0	4460.8	4325.6	4361.7	5560.2	7930.3	9345.1	9660.5	10021.0
22.5°	4731.1	4686.1	4596.0	4460.8	4379.7	4352.7	5208.8	8119.5	10219.3	10705.9	11120.4
25°	4722.1	4641.0	4523.9	4424.7	4379.7	4370.7	4965.4	8227.7	11165.5	11940.5	12409.1
27.5°	4659.0	4559.9	4442.8	4370.7	4352.7	4406.7	4857.3	8353.8	12273.9	13265.2	14013.2
30°	4587.0	4442.8	4298.6	4271.5	4316.6	4487.8	4947.4	8398.9	13436.4	14707.1	15473.1
32.5°	4397.7	4289.6	4145.4	4136.4	4244.5	4550.9	5154.7	8335.8	14463.8	16149.0	17113.2
35°	4127.4	4064.3	3983.2	4010.2	4181.4	4605.0	5298.9	8137.6	15401.0	17491.7	18618.2
37.5°	3649.7	3694.8	3739.9	3802.9	4019.2	4596.0	5362.0	7822.2	16176.0	18564.1	20006.0
40°	3118.0	3271.2	3415.4	3577.6	3866.0	4523.9	5380.0	7434.7	16626.6	19375.2	21240.6
42.5°	2784.6	2928.8	3109.0	3343.3	3658.8	4361.7	5362.0	7002.1	16770.8	19933.9	22024.6
45°	2478.2	2649.4	2874.7	3118.0	3478.5	4127.4	5199.8	6533.5	16842.9	20195.2	22358.0
47.5°	2316.0	2415.1	2622.4	2865.7	3244.2	3839.0	4884.3	6191.0	16734.7	20249.3	22763.6
50°	2126.8	2261.9	2397.1	2631.4	3000.9	3478.5	4505.8	5992.8	16915.0	20781.0	23403.4
52.5°	1982.6	2054.7	2198.9	2415.1	2685.5	3145.1	4145.4	5830.6	17410.6	21321.7	24070.2
55°	1874.4	1955.5	2045.7	2225.9	2433.2	2811.7	3775.9	5587.3	17987.4	21898.4	24737.1
57.5°	1703.2	1757.3	1883.4	2072.7	2207.9	2487.2	3343.3	5298.9	17942.3	21447.8	23583.6
60°	*1550.0*	*1604.1*	*1739.3*	*1928.5*	*2009.6*	*2198.9*	*2919.8*	*4929.4*	*17077.2*	*19978.9*	*21456.9*
62.5°	1378.8	1441.9	1604.1	1739.3	1811.4	1955.5	2478.2	4253.5	15274.8	17771.1	18969.6
65°	1306.7	1342.7	1450.9	1613.1	1604.1	1739.3	2090.7	3343.3	12292.0	13580.6	14671.0
67.5°	1387.8	1441.9	1423.8	1468.9	1441.9	1514.0	1874.4	2685.5	9660.5	10228.3	10859.1
70°	1369.8	1495.9	1559.0	1468.9	1261.6	1342.7	1622.1	2144.8	6912.0	6857.9	6830.9
72.5°	1198.6	1324.7	1505.0	1595.1	1234.6	1117.5	1405.8	1856.4	4433.8	4415.7	3992.2
75°	1018.3	1108.4	1324.7	1441.9	1063.4	901.2	1207.6	1577.0	2649.4	2685.5	2397.1
77.5°	937.2	892.2	1108.4	1270.6	865.1	693.9	973.3	1189.5	1459.9	1477.9	1369.8
80°	675.9	648.8	829.1	928.2	657.9	495.6	549.7	739.0	784.0	702.9	729.9
82.5°	432.6	441.6	495.6	594.8	405.5	270.4	378.5	495.6	423.5	342.4	405.5
85°	279.4	315.4	261.3	306.4	126.2	126.2	162.2	216.3	144.2	99.1	108.1
87.5°	0.0	0.0	18.0	36.0	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

REPORT NUMBER: P1501560
CATALOG NUMBER: GSS-SB5D-835-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	6362.3	6362.3	*6362.3*	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3
2.5°	6389.3	6380.3	*6380.3*	6398.3	6443.4	6461.4	6488.4	6479.4	6506.4	6488.4
5°	6515.5	6524.5	*6551.5*	6560.5	6587.6	6623.6	6632.6	6623.6	6641.6	6641.6
7.5°	6767.8	6803.8	*6785.8*	6830.9	6794.8	6749.8	6677.7	6623.6	6578.5	6596.6
10°	7191.3	7173.3	*7164.3*	7083.2	6921.0	6686.7	6497.4	6290.2	6254.1	6218.1
12.5°	7659.9	7641.9	*7641.9*	7362.6	6903.0	6416.3	5983.8	5659.3	5551.2	5542.2
15°	8317.8	8200.6	*8092.5*	7506.7	6587.6	5758.5	5253.8	5001.5	4938.4	4938.4
17.5°	9137.9	8831.5	*8651.2*	7398.6	6073.9	5325.9	5028.5	4965.4	4947.4	4992.5
20°	10156.2	9381.2	*9119.8*	7155.3	5884.6	5380.0	5235.8	5244.8	5253.8	5316.9
22.5°	11273.6	9885.8	*9453.3*	7155.3	6073.9	5722.4	5650.3	5749.5	5776.5	5830.6
25°	12517.3	10336.4	*9750.7*	7533.8	6632.6	6371.3	6281.2	6380.3	6452.4	6542.5
27.5°	13914.1	10805.0	*10264.3*	8218.7	7353.5	7191.3	7092.2	7137.3	7236.4	7344.5
30°	15166.7	11589.0	*11048.3*	9264.0	8335.8	8137.6	7966.3	8038.4	8146.6	8218.7
32.5°	16275.1	12544.3	*12084.7*	10363.5	9462.3	9119.8	8930.6	8912.6	9128.9	9074.8
35°	17293.5	13670.7	*13229.2*	11616.1	10606.8	10183.2	9930.9	10255.3	10111.1	10165.2
37.5°	18095.5	14842.3	*14490.8*	12814.6	11796.3	11219.6	11066.4	11462.9	11688.2	11751.3
40°	18753.3	15860.6	*15491.1*	14004.2	12886.7	12463.2	12706.5	13364.4	13337.3	13310.3
42.5°	19258.0	16734.7	*16329.2*	14905.4	13932.1	14013.2	14202.4	14644.0	14752.2	14599.0
45°	19483.3	17284.4	*16960.0*	15617.3	15121.6	15590.2	15671.3	15860.6	15788.5	15689.4
47.5°	19744.6	17771.1	*17428.6*	16266.1	16410.3	16869.9	16707.7	16554.5	16293.2	16140.0
50°	20186.2	18347.8	*18059.4*	17212.3	17735.0	17581.8	16951.0	16608.6	16076.9	15896.6
52.5°	21024.3	19438.2	*19222.0*	18708.3	18356.8	17473.7	16707.7	16094.9	15500.1	15256.8
55°	21772.3	20916.2	*20790.0*	20105.1	18167.6	16905.9	15878.6	14932.4	13914.1	13706.8
57.5°	22204.8	23367.3	*23511.5*	20699.9	17302.5	15617.3	14103.3	12589.3	11625.1	11453.9
60°	*20916.2*	*26016.8*	*26088.9*	*20582.7*	*15743.4*	*13292.3*	*10985.3*	*9912.9*	*8876.5*	*8579.1*
62.5°	19140.9	25467.1	*25404.0*	19879.8	12535.3	9696.6	8344.8	7840.2	7038.1	6794.8
65°	16455.4	21213.5	*21285.6*	17176.3	8335.8	7011.1	7011.1	6371.3	5479.1	5307.9
67.5°	13409.4	16356.2	*16194.0*	11138.5	5118.6	5614.3	5884.6	4965.4	3712.8	3505.6
70°	8714.3	12490.2	*12264.9*	6425.3	3217.2	4677.1	4632.0	3730.8	2658.5	2514.3
72.5°	3748.9	7218.4	*7678.0*	3280.3	2424.1	3766.9	3694.8	2613.4	1775.3	1712.2
75°	2261.9	3631.7	*3956.1*	2090.7	1766.3	2838.7	2559.3	1658.2	1207.6	1162.5
77.5°	1432.9	1991.6	*1973.6*	1568.0	1324.7	1919.5	1721.2	1144.5	820.1	784.0
80°	829.1	982.3	*1018.3*	982.3	892.2	1369.8	1099.4	829.1	639.8	594.8
82.5°	531.7	612.8	*621.8*	477.6	495.6	883.1	594.8	486.6	369.5	333.4
85°	234.3	261.3	*252.3*	162.2	162.2	360.5	207.3	198.3	144.2	144.2
87.5°	9.0	18.0	*9.0*	9.0	9.0	36.0	18.0	27.0	27.0	27.0
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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

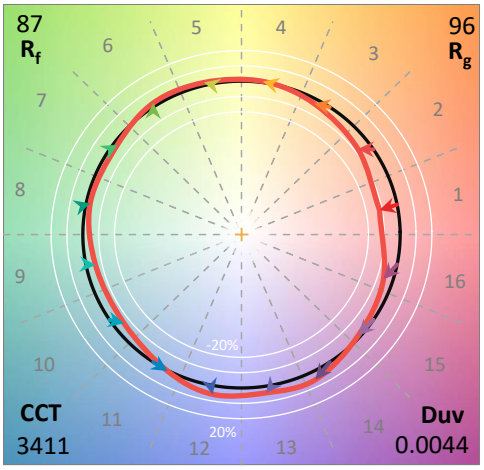
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

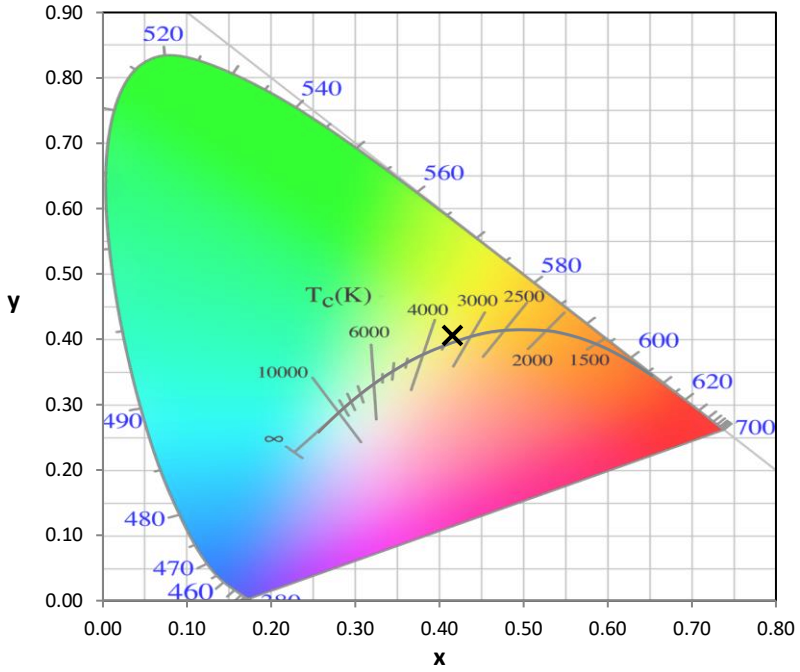
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

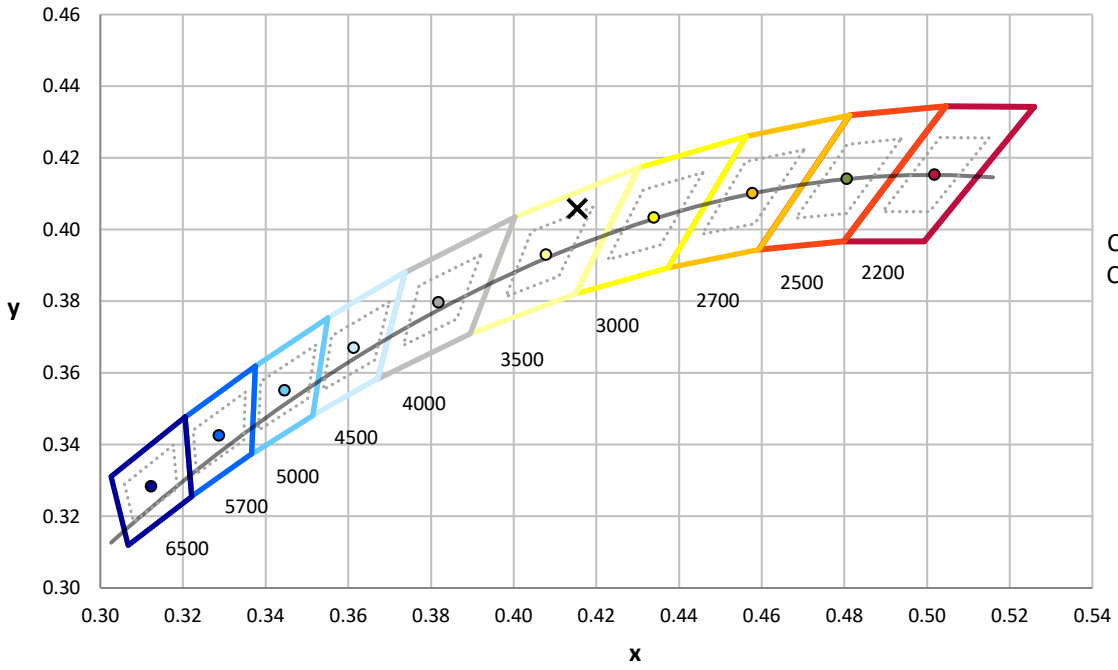
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

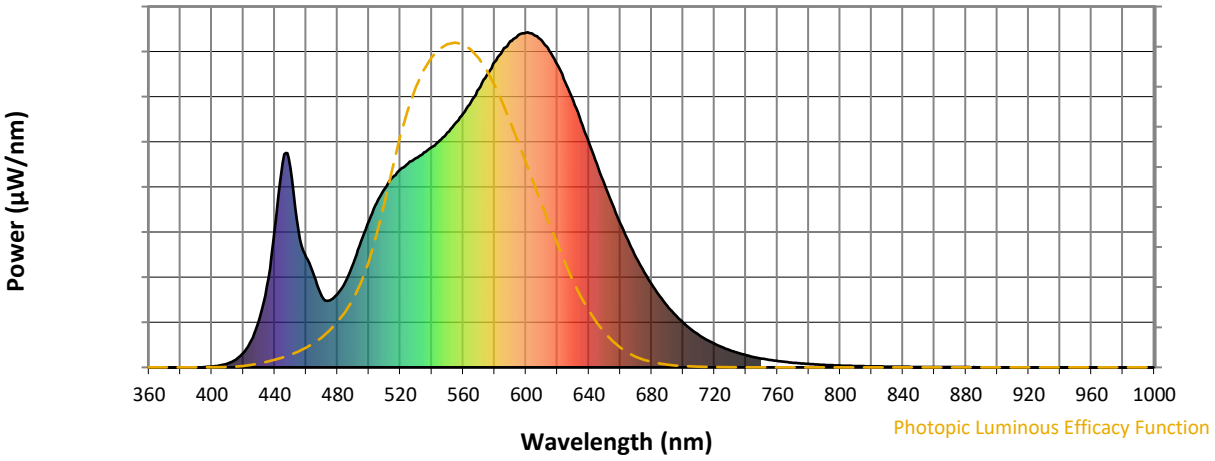


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

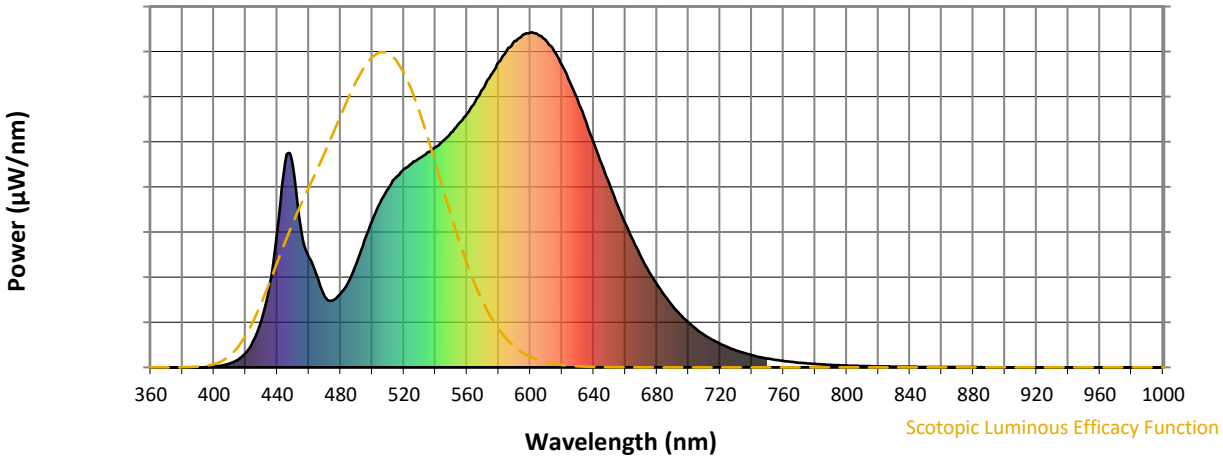


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

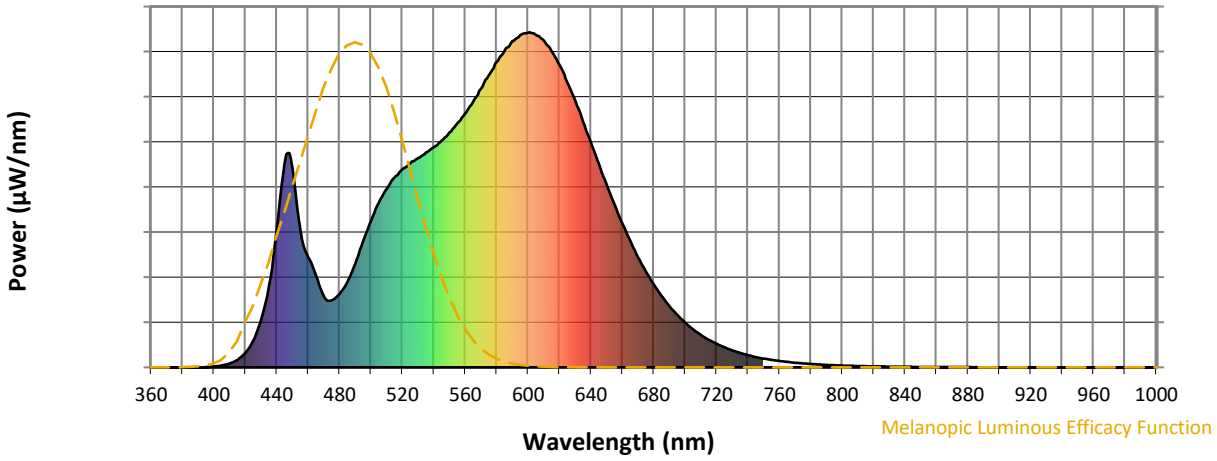


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

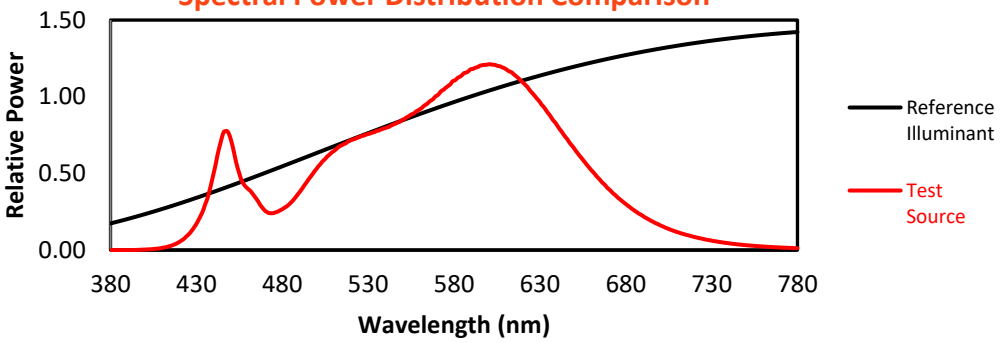
REPORT NUMBER: SP1-2407-184-10

TM-30-18

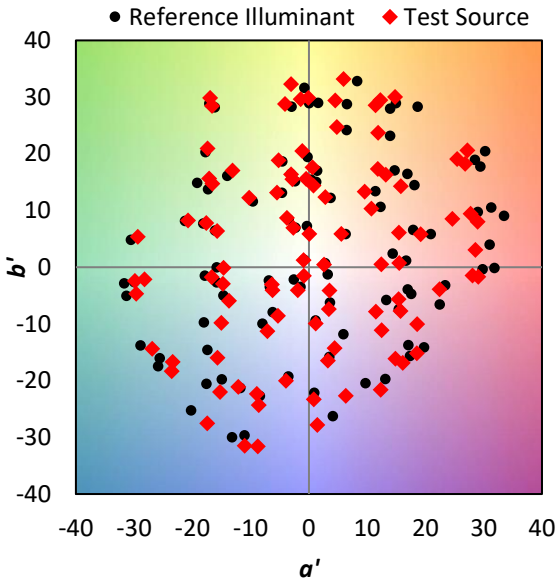
Summary

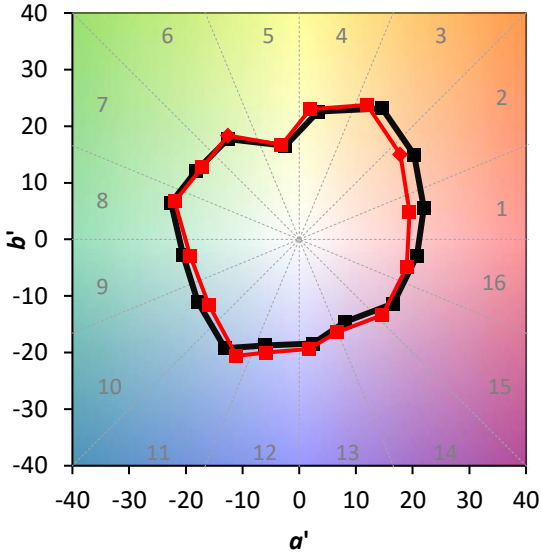
R_f = 86.6
R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

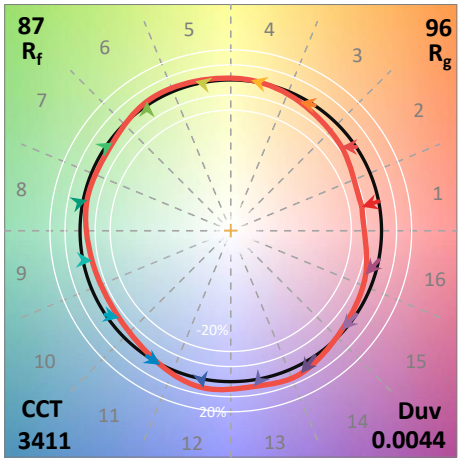
Spectral Power Distribution Comparison

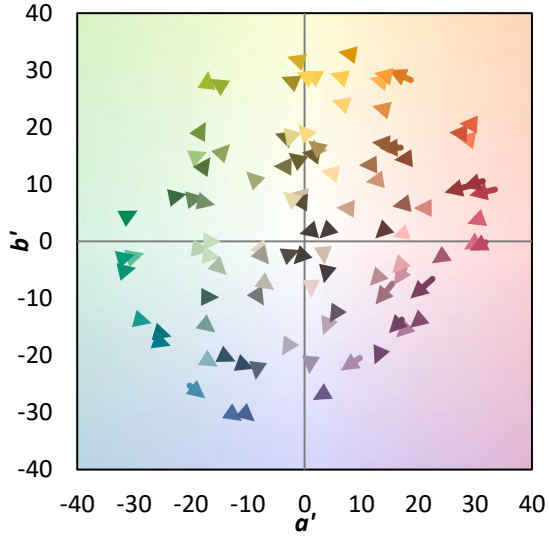


Color Vector Graphics







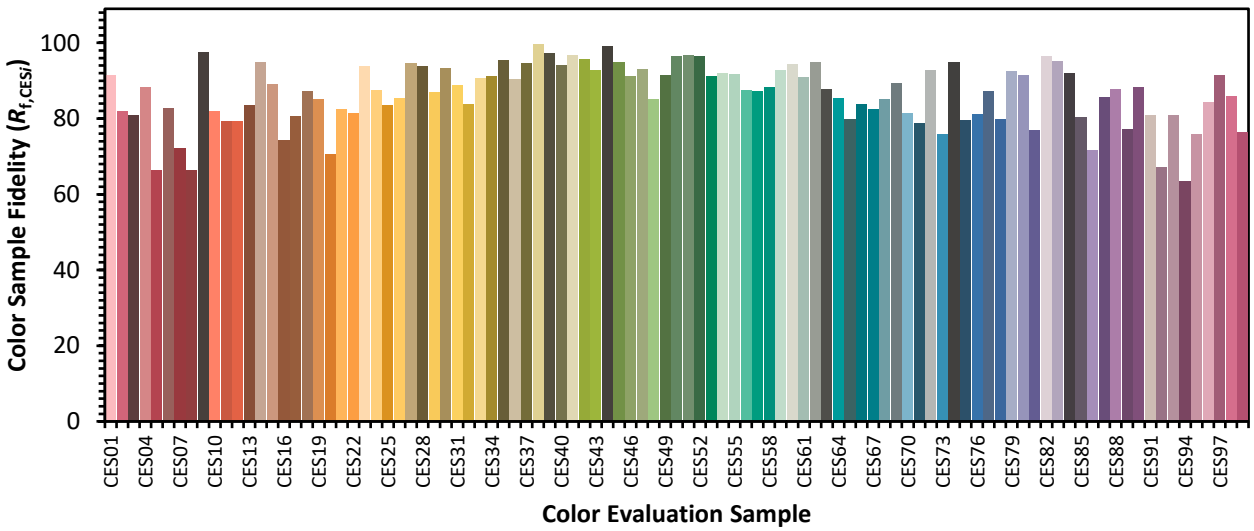


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Individual Sample Fidelity Index ($R_{f,i}$)

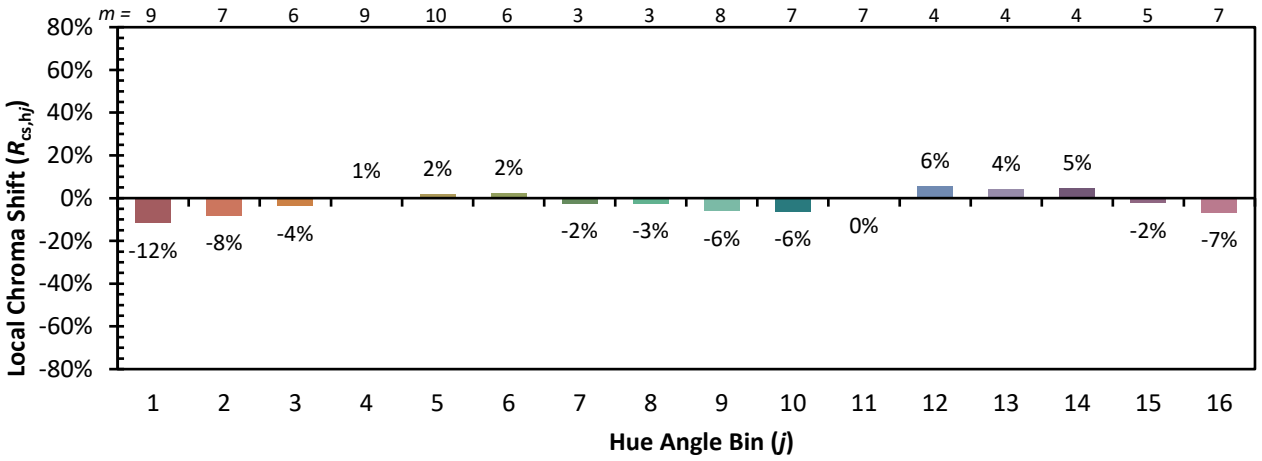
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	

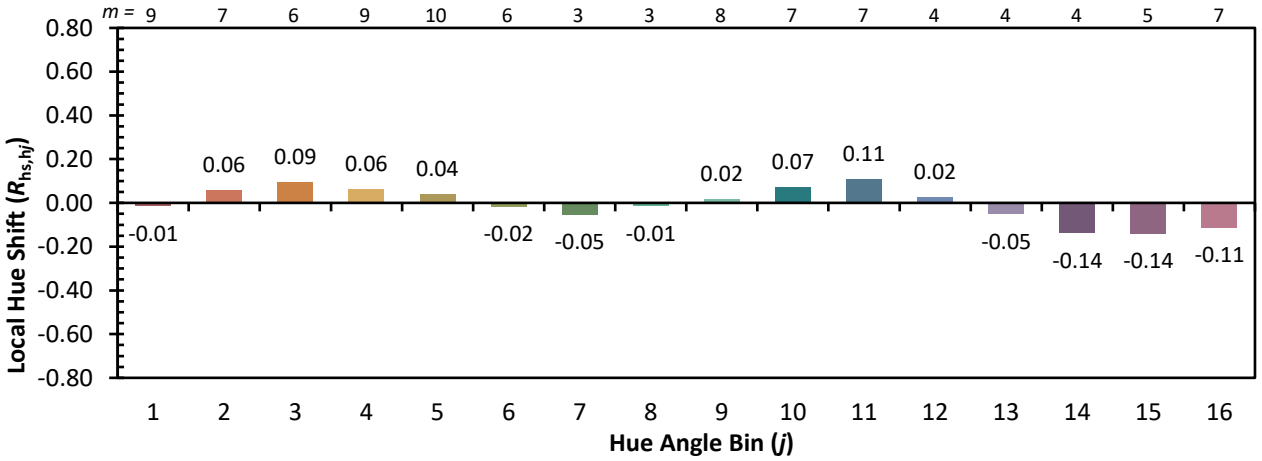


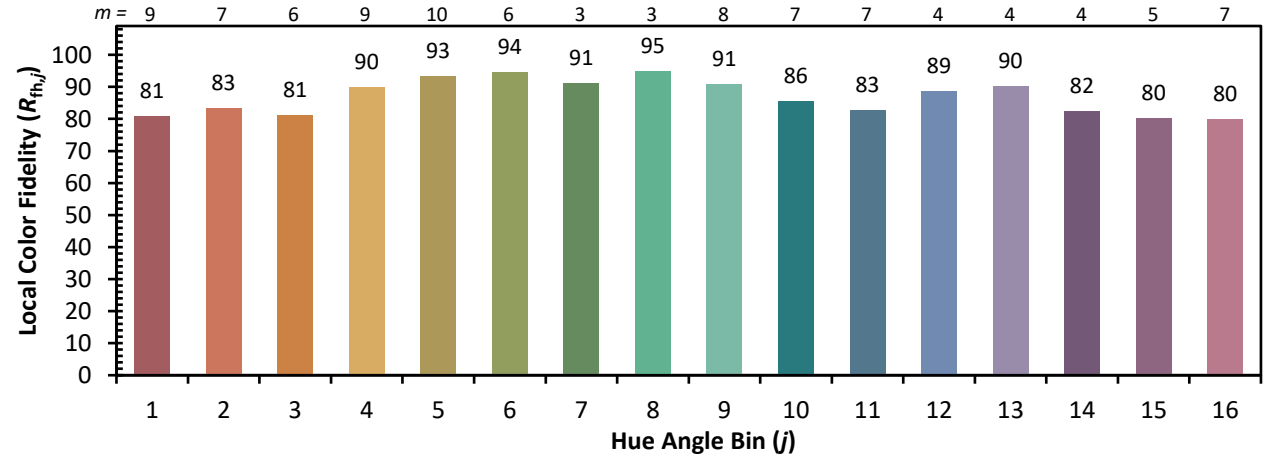
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Color Rendition by Hue-Angle Bin



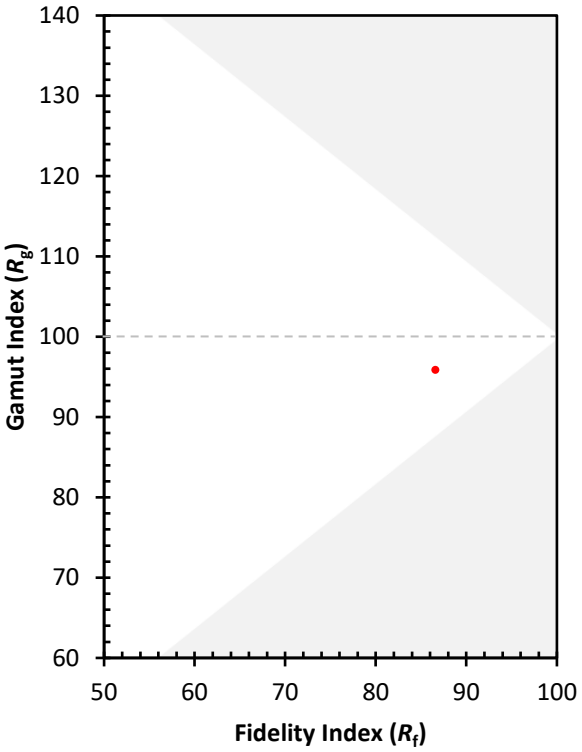


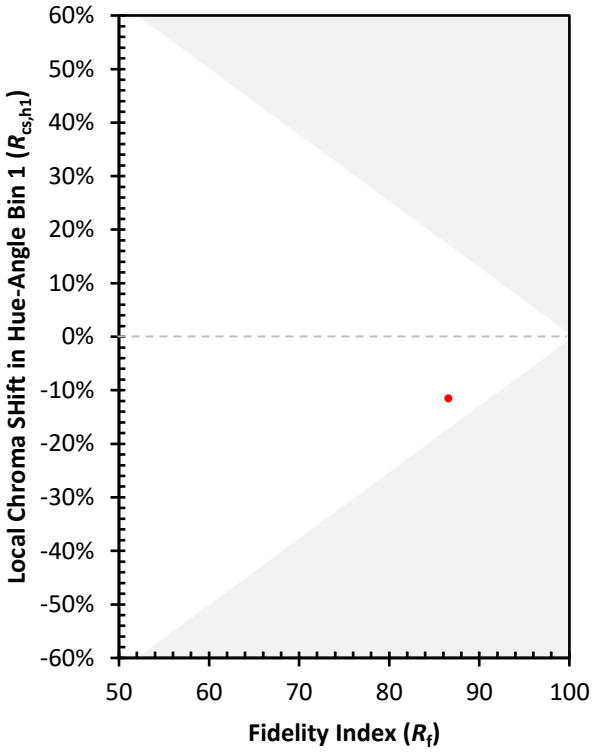


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Measure Comparisons





(END OF REPORT)