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: P1501898

Luminaire Tested: GSS-SB6B-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:	P1501898
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 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:	23213.2 lumens
Efficiency:	N/A
Efficacy:	106.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

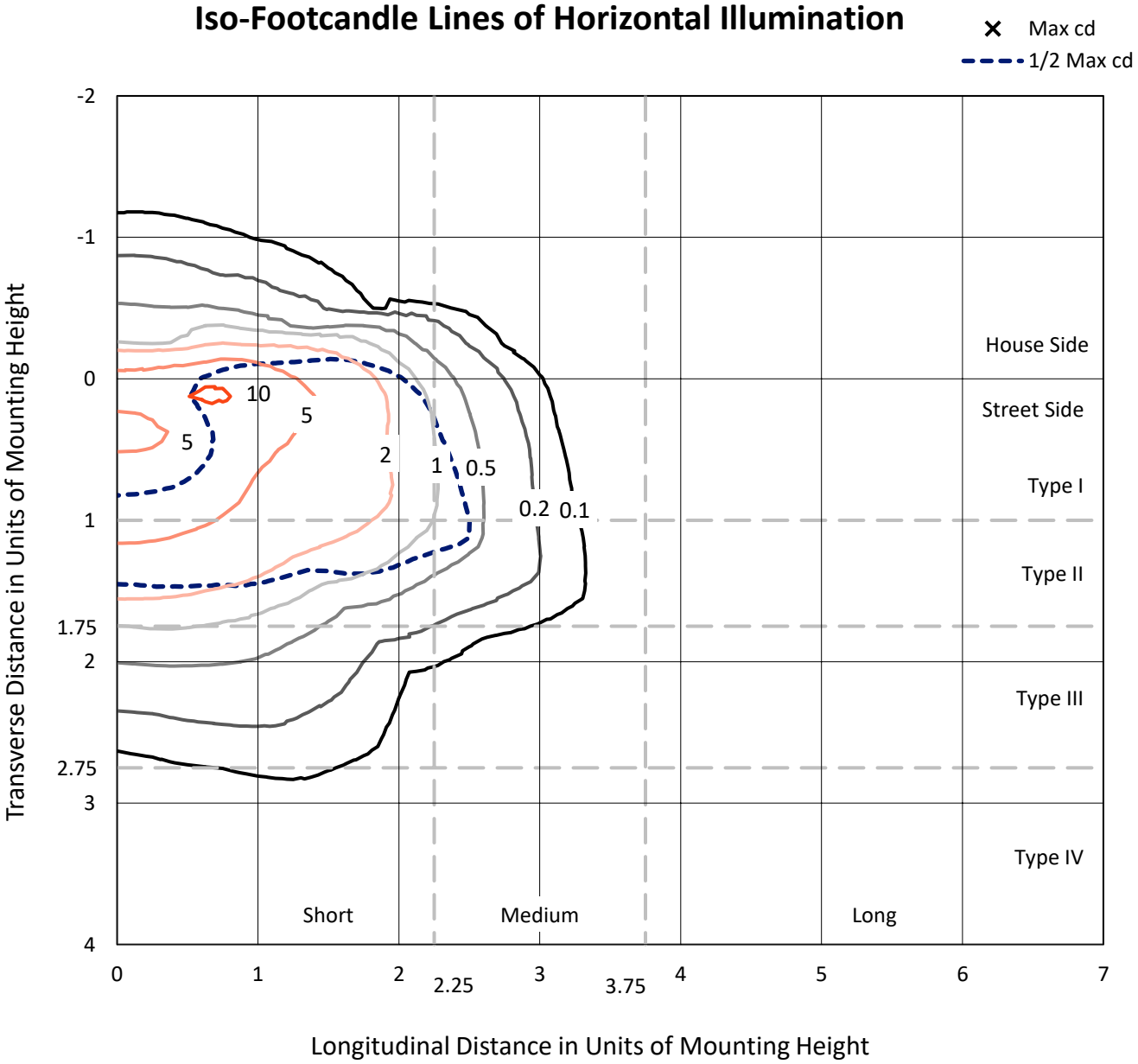
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



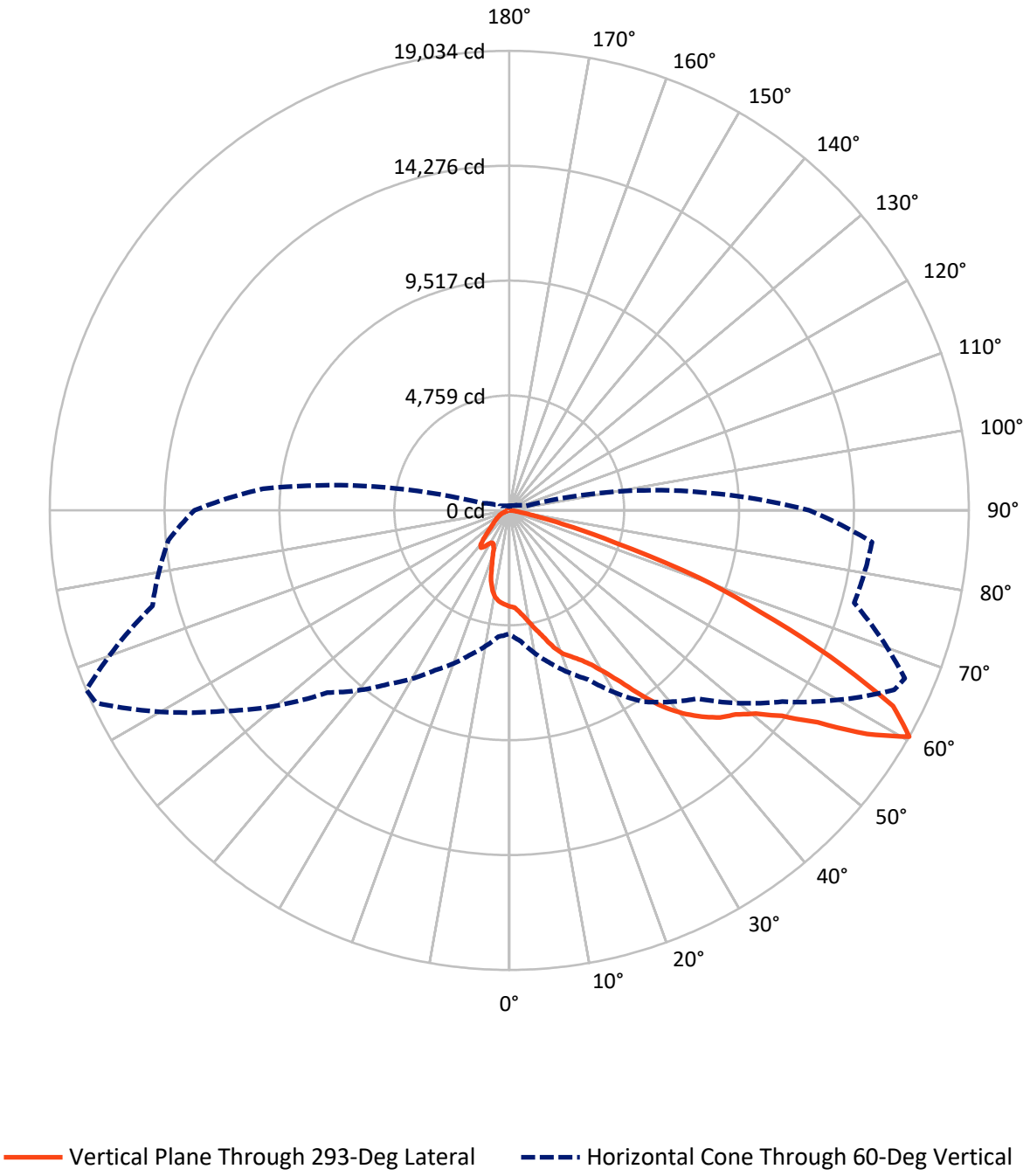
Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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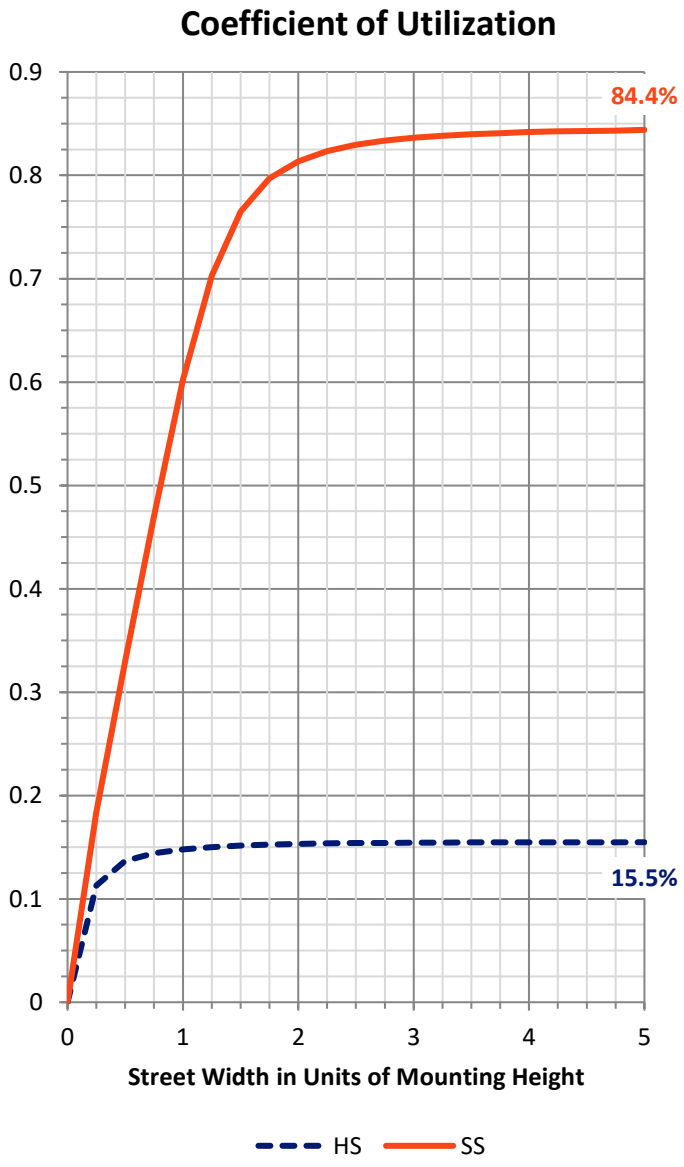
REPORT NUMBER: P1501898
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3621.8	0.0	3621.8
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	19591.4	0.0	19591.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	23213.2	0.0	23213.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.2	1.6
10°-20°	907.3	3.9
20°-30°	1693.8	7.3
30°-40°	3358.9	14.5
40°-50°	5355.3	23.1
50°-60°	6398.2	27.6
60°-70°	4194.4	18.1
70°-80°	878.8	3.8
80°-90°	66.5	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°	23213.2	100.0
0°-180°	23213.2	100.0



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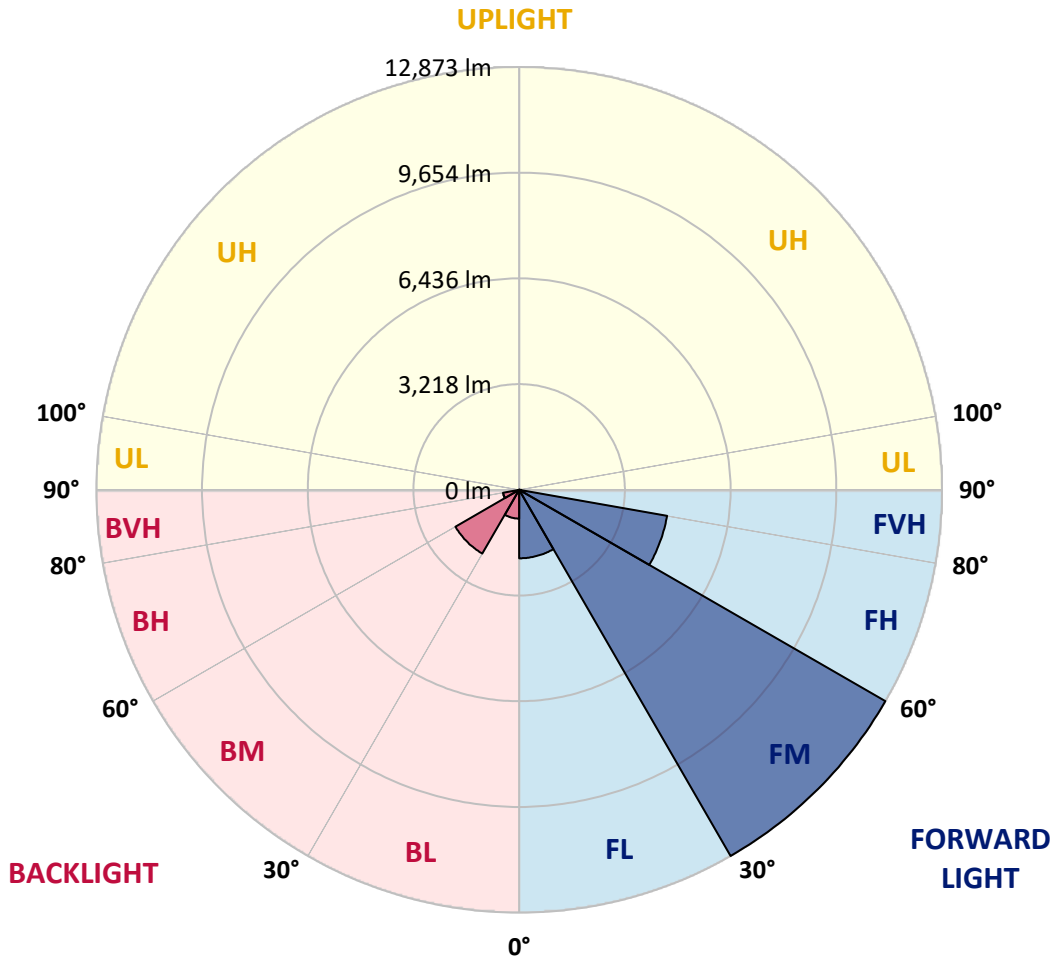
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2085.0	9.0			
FM	(30°-60°)	12872.6	55.5			
FH	(60°-80°)	4572.9	19.7			G2/5000
FVH	(80°-90°)	60.9	0.3			G1/100
BL	(0°-30°)	876.2	3.8	B2/1000		
BM	(30°-60°)	2239.7	9.6	B2/2500		
BH	(60°-80°)	500.3	2.2	B2/1000		G2/1000
BVH	(80°-90°)	5.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5
2.5°	4180.0	4167.0	4147.5	4154.0	4147.5	4121.5	4082.5	4050.0	4076.0	4037.0	4011.0
5°	4303.6	4303.6	4290.5	4290.5	4297.1	4284.0	4258.0	4212.5	4219.0	4186.5	4102.0
7.5°	4303.6	4284.0	4316.6	4349.1	4407.6	4440.1	4453.1	4427.1	4440.1	4375.1	4264.5
10°	4050.0	4037.0	4121.5	4245.0	4414.1	4563.6	4661.1	4667.6	4687.1	4622.1	4492.1
12.5°	3510.4	3484.4	3653.5	3887.5	4232.0	4576.6	4849.6	4953.6	4999.1	4973.1	4791.1
15°	3009.9	3042.4	3159.4	3412.9	3874.5	4401.1	4953.6	5298.2	5363.2	5395.7	5181.2
17.5°	2957.9	2964.4	3003.4	3126.9	3477.9	4115.0	4966.6	5655.7	5746.7	5889.8	5597.2
20°	3100.9	3087.9	3126.9	3165.9	3334.9	3861.5	4843.1	6000.3	6175.8	6481.3	6162.8
22.5°	3367.4	3367.4	3386.9	3412.9	3497.4	3842.0	4791.1	6318.8	6617.8	7241.9	6871.4
25°	3816.0	3764.0	3777.0	3744.5	3816.0	4076.0	4908.1	6572.3	6981.9	8087.0	7716.5
27.5°	4511.6	4531.1	4414.1	4238.5	4277.5	4498.6	5194.2	6858.4	7358.9	8964.6	8574.6
30°	5473.7	5441.2	5369.7	5025.1	4869.1	5064.1	5720.7	7326.4	7866.0	10076.3	9718.7
32.5°	6227.8	6318.8	6195.3	5954.8	5714.2	5772.7	6461.8	8080.5	8483.6	11096.9	10901.9
35°	7137.9	7137.9	7163.9	6825.9	6663.4	6650.4	7391.4	8899.6	9302.7	12020.0	12156.6
37.5°	8366.6	8282.1	8139.0	7762.0	7638.5	7801.0	8262.6	9744.7	10180.3	12767.6	13131.7
40°	9400.2	9458.7	9439.2	8893.1	8652.6	8828.1	9237.7	10466.3	10804.4	13248.7	13918.3
42.5°	10414.3	10446.8	10362.3	10102.3	9751.2	9764.3	10102.3	11012.4	11357.0	13710.3	14659.4
45°	11174.9	11168.4	11109.9	11044.9	10836.9	10622.4	10680.9	11617.0	11916.0	13859.8	15062.4
47.5°	11415.5	11467.5	11519.5	11701.5	11844.5	11506.5	11207.4	11942.0	12215.1	13833.8	15211.9
50°	11194.4	11304.9	11558.5	11831.5	12319.1	12293.1	11649.5	12293.1	12559.6	13976.8	15387.5
52.5°	10700.4	10810.9	11148.9	11643.0	12377.6	12741.6	12468.6	12884.6	13196.7	14340.8	15751.5
55°	9549.7	9595.2	10290.8	10940.9	12085.0	12546.6	13346.2	13885.8	14145.8	14782.9	16232.6
57.5°	7775.0	7885.5	8568.1	9627.7	11265.9	12033.0	13846.8	15595.5	15589.0	15205.4	16336.6
60°	*5116.2*	*5441.2*	*6552.8*	*7723.0*	*9679.7*	*11025.4*	*13814.3*	*17597.8*	*17799.3*	*14789.4*	*15081.9*
62.5°	3907.0	4043.5	4674.1	5649.2	7163.9	9140.2	13599.7	18195.8	18351.8	13671.3	13203.2
65°	2938.4	3107.4	3712.0	4583.1	5057.6	6195.3	12195.6	15816.5	16031.1	12202.1	10264.8
67.5°	1800.7	1937.2	2743.4	3764.0	3829.0	3848.5	8230.1	11981.0	12059.0	9842.3	6910.4
70°	1202.7	1339.2	1898.2	2892.9	3048.9	2216.8	4518.1	9068.7	9062.2	6734.9	4199.5
72.5°	695.6	760.6	1202.7	2132.3	2398.8	1410.7	2255.8	5766.2	5512.7	3165.9	1963.3
75°	396.6	442.1	663.1	1371.7	1683.7	897.1	890.6	3087.9	2730.3	1631.7	1072.6
77.5°	240.5	260.0	364.0	897.1	1014.1	604.6	494.1	1436.7	1384.7	955.6	565.6
80°	117.0	136.5	221.0	526.6	650.1	325.0	299.0	565.6	604.6	526.6	299.0
82.5°	39.0	52.0	123.5	201.5	422.6	130.0	123.5	312.0	331.5	312.0	143.0
85°	19.5	26.0	58.5	65.0	162.5	65.0	45.5	136.5	169.0	104.0	58.5
87.5°	0.0	6.5	6.5	6.5	6.5	6.5	6.5	13.0	13.0	13.0	13.0
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°	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5
2.5°	3991.5	3978.5	3952.5	3907.0	3900.5	3868.0	3816.0	3783.5	3757.5	3777.0	3783.5
5°	4063.0	4030.5	3952.5	3829.0	3699.0	3569.0	3445.4	3302.4	3204.9	3191.9	3165.9
7.5°	4193.0	4128.0	3959.0	3718.5	3386.9	3074.9	2710.8	2359.8	2184.3	2158.3	2099.8
10°	4401.1	4290.5	4011.0	3523.5	2886.4	2236.3	1683.7	1306.7	1092.1	1053.1	1066.1
12.5°	4648.1	4492.1	4017.5	3191.9	2197.3	1384.7	955.6	812.6	767.1	747.6	747.6
15°	4966.6	4739.1	4011.0	2762.9	1482.2	890.6	767.1	708.6	689.1	676.1	676.1
17.5°	5369.7	5070.6	3965.5	2119.3	1001.1	773.6	702.1	656.6	630.6	624.1	624.1
20°	5844.2	5441.2	3861.5	1579.7	838.6	721.6	663.1	604.6	585.1	572.1	572.1
22.5°	6448.8	5889.8	3660.0	1228.7	793.1	689.1	624.1	559.1	539.6	526.6	526.6
25°	7150.9	6461.8	3393.4	1105.1	786.6	663.1	585.1	520.1	500.6	494.1	487.6
27.5°	7983.0	7072.9	3146.4	1111.6	799.6	643.6	546.1	487.6	468.1	448.6	455.1
30°	8964.6	7703.5	2944.9	1189.7	812.6	624.1	520.1	468.1	448.6	422.6	422.6
32.5°	9933.3	8444.6	2925.4	1332.7	858.1	611.1	494.1	442.1	422.6	403.1	403.1
35°	10927.9	9120.7	3035.9	1521.2	949.1	591.6	461.6	416.1	396.6	383.5	377.0
37.5°	11877.0	9660.2	3139.9	1638.2	897.1	507.1	422.6	383.5	364.0	338.0	338.0
40°	12507.6	9952.8	3159.4	1547.2	741.1	455.1	383.5	344.5	318.5	305.5	299.0
42.5°	12969.2	10141.3	2938.4	1254.7	643.6	416.1	351.0	312.0	292.5	279.5	279.5
45°	13157.7	10076.3	2561.3	955.6	591.6	383.5	318.5	286.0	273.0	260.0	260.0
47.5°	13131.7	9777.3	2177.8	767.1	539.6	351.0	299.0	273.0	260.0	247.0	240.5
50°	13086.2	9497.7	1787.7	682.6	481.1	331.5	279.5	260.0	240.5	227.5	221.0
52.5°	13385.2	9406.7	1482.2	624.1	448.6	318.5	273.0	247.0	227.5	214.5	214.5
55°	13684.3	9445.7	1163.6	585.1	416.1	312.0	266.5	240.5	221.0	201.5	201.5
57.5°	13664.7	9276.7	884.1	546.1	390.0	305.5	260.0	234.0	201.5	188.5	188.5
60°	*12423.1*	*8275.6*	*689.1*	*500.6*	*357.5*	*286.0*	*240.5*	*221.0*	*188.5*	*169.0*	*169.0*
62.5°	10505.3	6507.3	565.6	442.1	318.5	260.0	221.0	201.5	169.0	136.5	136.5
65°	7762.0	4693.6	455.1	383.5	292.5	227.5	201.5	175.5	136.5	110.5	104.0
67.5°	5252.7	2886.4	364.0	318.5	260.0	195.0	169.0	149.5	123.5	91.0	84.5
70°	3113.9	1534.2	266.5	221.0	195.0	143.0	143.0	130.0	104.0	78.0	71.5
72.5°	1482.2	533.1	195.0	162.5	149.5	104.0	110.5	110.5	84.5	58.5	52.0
75°	754.1	260.0	130.0	117.0	97.5	78.0	91.0	84.5	58.5	39.0	39.0
77.5°	429.1	182.0	91.0	78.0	65.0	52.0	58.5	52.0	32.5	19.5	19.5
80°	240.5	130.0	58.5	52.0	39.0	32.5	32.5	26.0	19.5	6.5	6.5
82.5°	91.0	78.0	39.0	26.0	19.5	19.5	13.0	13.0	6.5	0.0	0.0
85°	39.0	19.5	19.5	13.0	13.0	6.5	6.5	6.5	0.0	0.0	0.0
87.5°	6.5	6.5	6.5	6.5	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°	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5
2.5°	3731.5	3744.5	3757.5	3809.5	3822.5	3861.5	3894.0	3933.0	3939.5	3991.5	3991.5
5°	3217.9	3211.4	3321.9	3484.4	3588.5	3731.5	3842.0	3959.0	4024.0	4108.5	4147.5
7.5°	2132.3	2294.8	2541.8	2827.9	3198.4	3543.0	3803.0	4030.5	4186.5	4284.0	4323.1
10°	1059.6	1150.6	1410.7	1878.7	2509.3	3211.4	3764.0	4186.5	4440.1	4550.6	4622.1
12.5°	747.6	767.1	812.6	1066.1	1670.7	2665.3	3640.5	4355.6	4706.6	4914.6	5005.6
15°	669.6	682.6	702.1	773.6	1033.6	1989.3	3419.4	4544.1	5122.7	5363.2	5480.2
17.5°	617.6	624.1	643.6	702.1	812.6	1352.2	3061.9	4745.6	5623.2	5915.8	6136.8
20°	572.1	572.1	591.6	663.1	754.1	1040.1	2548.3	4973.1	6260.3	6682.9	6903.9
22.5°	520.1	533.1	546.1	624.1	734.6	949.1	2067.3	5148.7	6968.9	7482.5	7742.5
25°	481.1	494.1	507.1	585.1	715.1	949.1	1787.7	5259.2	7762.0	8373.1	8730.6
27.5°	448.6	461.6	481.1	559.1	695.6	988.1	1677.2	5291.7	8626.6	9419.7	9900.8
30°	422.6	435.6	455.1	539.6	708.6	1033.6	1716.2	5246.2	9504.2	10498.8	11070.9
32.5°	396.6	409.6	429.1	520.1	708.6	1092.1	1846.2	5155.2	10355.8	11578.0	12280.1
35°	377.0	383.5	390.0	468.1	643.6	1085.6	2008.8	5064.1	11213.9	12644.1	13463.2
37.5°	338.0	344.5	357.5	403.1	513.6	988.1	2041.3	4953.6	11890.0	13541.2	14444.8
40°	299.0	312.0	325.0	370.5	429.1	799.6	1898.2	4719.6	12247.6	14230.3	15329.0
42.5°	273.0	279.5	292.5	338.0	396.6	637.1	1592.7	4310.1	12566.1	14698.4	15972.5
45°	253.5	260.0	273.0	305.5	370.5	552.6	1254.7	3809.5	12592.1	14847.9	16284.6
47.5°	234.0	240.5	247.0	279.5	357.5	494.1	962.1	3354.4	12585.6	15042.9	16551.1
50°	221.0	227.5	240.5	266.5	338.0	442.1	793.1	2983.9	12858.6	15465.5	17090.7
52.5°	214.5	214.5	234.0	260.0	318.5	403.1	663.1	2652.3	13001.7	15881.5	17480.7
55°	201.5	208.0	221.0	247.0	299.0	383.5	565.6	2236.3	13066.7	16089.6	17552.2
57.5°	188.5	195.0	214.5	234.0	286.0	364.0	487.6	1670.7	12137.1	15003.9	16356.1
60°	*169.0*	*182.0*	*208.0*	*227.5*	*266.5*	*331.5*	*429.1*	*1131.1*	*10238.8*	*13040.7*	*14171.8*
62.5°	136.5	162.5	188.5	201.5	240.5	279.5	364.0	754.1	8178.0	10791.4	12078.5
65°	104.0	136.5	156.0	175.5	201.5	234.0	305.5	513.6	5454.2	7261.4	8711.1
67.5°	91.0	117.0	130.0	143.0	169.0	201.5	247.0	357.5	3308.9	4362.1	5792.2
70°	71.5	97.5	110.5	104.0	130.0	156.0	175.5	240.5	1690.2	2366.3	3295.9
72.5°	52.0	78.0	84.5	84.5	78.0	110.5	130.0	169.0	734.6	1150.6	1495.2
75°	39.0	52.0	58.5	52.0	45.5	71.5	91.0	110.5	481.1	689.1	871.1
77.5°	19.5	19.5	32.5	32.5	19.5	39.0	45.5	65.0	273.0	403.1	500.6
80°	6.5	0.0	0.0	6.5	0.0	13.0	19.5	32.5	143.0	214.5	312.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	71.5	65.0	162.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	39.0
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: P1501898
CATALOG NUMBER: GSS-SB6B-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5	3978.5
2.5°	4024.0	4024.0	4050.0	4089.0	4108.5	4121.5	4128.0	4141.0	4193.0	4180.0
5°	4193.0	4206.0	4225.5	4264.5	4310.1	4297.1	4297.1	4297.1	4329.6	4303.6
7.5°	4414.1	4453.1	4459.6	4505.1	4472.6	4407.6	4368.6	4310.1	4303.6	4303.6
10°	4771.6	4758.6	4758.6	4700.1	4583.1	4394.6	4225.5	4108.5	4043.5	4050.0
12.5°	5155.2	5103.2	5109.7	4895.1	4563.6	4147.5	3803.0	3549.5	3530.0	3510.4
15°	5629.7	5493.2	5467.2	4973.1	4271.0	3634.0	3295.9	3094.4	3029.4	3009.9
17.5°	6305.8	5961.3	5837.7	4836.6	3887.5	3315.4	3061.9	2970.9	2964.4	2957.9
20°	7020.9	6338.3	6104.3	4635.1	3757.5	3321.9	3133.4	3107.4	3094.4	3100.9
22.5°	7853.0	6578.8	6279.8	4667.6	3874.5	3536.5	3386.9	3367.4	3354.4	3367.4
25°	8711.1	6858.4	6487.8	4927.6	4225.5	3933.0	3757.5	3718.5	3757.5	3816.0
27.5°	9575.7	7235.4	6897.4	5441.2	4791.1	4472.6	4303.6	4446.6	4505.1	4511.6
30°	10342.8	7762.0	7450.0	6162.8	5434.7	5116.2	5148.7	5330.7	5402.2	5473.7
32.5°	11044.9	8464.1	8223.6	6981.9	6266.8	6078.3	6058.8	6195.3	6273.3	6227.8
35°	11753.5	9380.7	9146.7	7872.5	7287.4	7131.4	6968.9	7235.4	7209.4	7137.9
37.5°	12423.1	10303.8	10089.3	8828.1	8223.6	7950.5	7924.5	8165.0	8379.6	8366.6
40°	12904.2	11051.4	10791.4	9777.3	9205.2	8971.1	9107.7	9523.7	9471.7	9400.2
42.5°	13346.2	11688.5	11454.5	10609.4	10011.3	10115.3	10238.8	10518.3	10485.8	10414.3
45°	13554.2	12234.6	12033.0	11239.9	10947.4	11278.9	11272.4	11376.5	11200.9	11174.9
47.5°	13846.8	12624.6	12416.6	11805.5	12065.5	12202.1	11818.5	11708.0	11545.5	11415.5
50°	14386.3	13229.2	13021.2	12663.6	12884.6	12462.1	11994.0	11753.5	11422.0	11194.4
52.5°	15016.9	14145.8	13963.8	13820.8	13203.2	12332.1	11734.0	11298.4	10895.4	10700.4
55°	15810.0	15498.0	15368.0	14581.4	12917.2	11799.0	11096.9	10284.3	9731.7	9549.7
57.5°	16070.1	17480.7	17435.2	14704.9	12117.6	10830.4	9562.7	8464.1	7892.0	7775.0
60°	15303.0	19034.4	18871.9	14496.9	10667.9	8789.1	7306.9	6182.3	5252.7	5116.2
62.5°	14321.3	17844.8	17786.3	13450.2	8126.0	6299.3	5460.7	4407.6	4011.0	3907.0
65°	12267.1	14600.9	14626.9	10791.4	5142.2	4524.6	4485.6	3503.9	3016.4	2938.4
67.5°	9445.7	11200.9	11018.9	6786.9	2996.9	3621.0	3582.0	2561.3	1852.7	1800.7
70°	5519.2	8340.6	8048.0	3530.0	1982.8	3022.9	2756.4	1800.7	1261.2	1202.7
72.5°	2437.8	4589.6	4927.6	1553.7	1397.7	2405.3	1989.3	1105.1	708.6	695.6
75°	1352.2	2275.3	2379.3	676.1	981.6	1709.7	1202.7	617.6	403.1	396.6
77.5°	812.6	1007.6	981.6	435.6	734.6	1092.1	728.1	351.0	253.5	240.5
80°	455.1	461.6	390.0	318.5	435.6	611.1	409.6	221.0	117.0	117.0
82.5°	279.5	253.5	201.5	97.5	117.0	370.5	149.5	123.5	39.0	39.0
85°	117.0	78.0	52.0	19.5	45.5	97.5	52.0	58.5	19.5	19.5
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

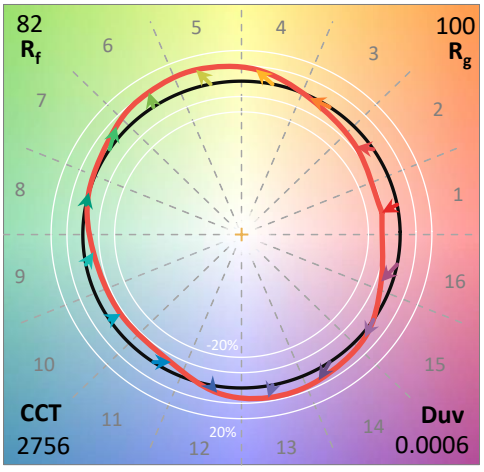
Test Information

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

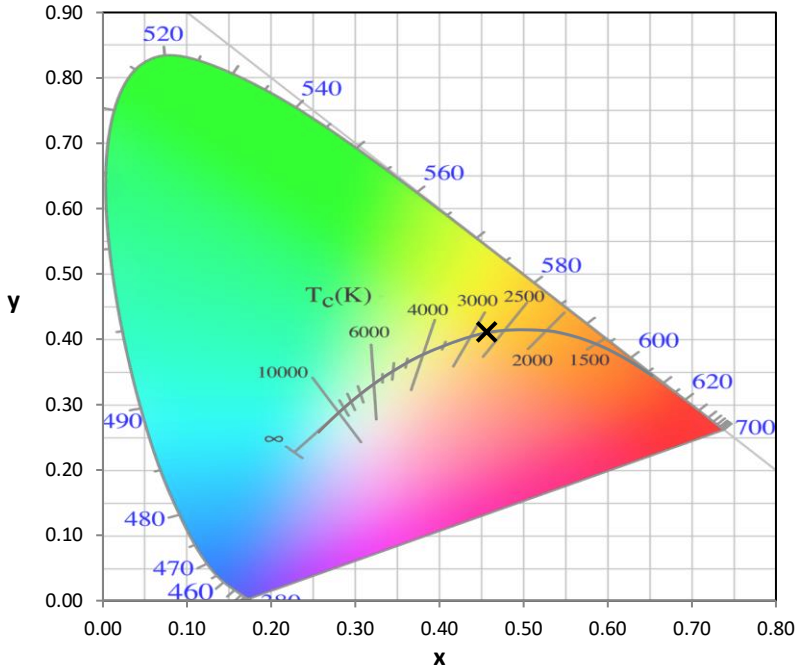
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

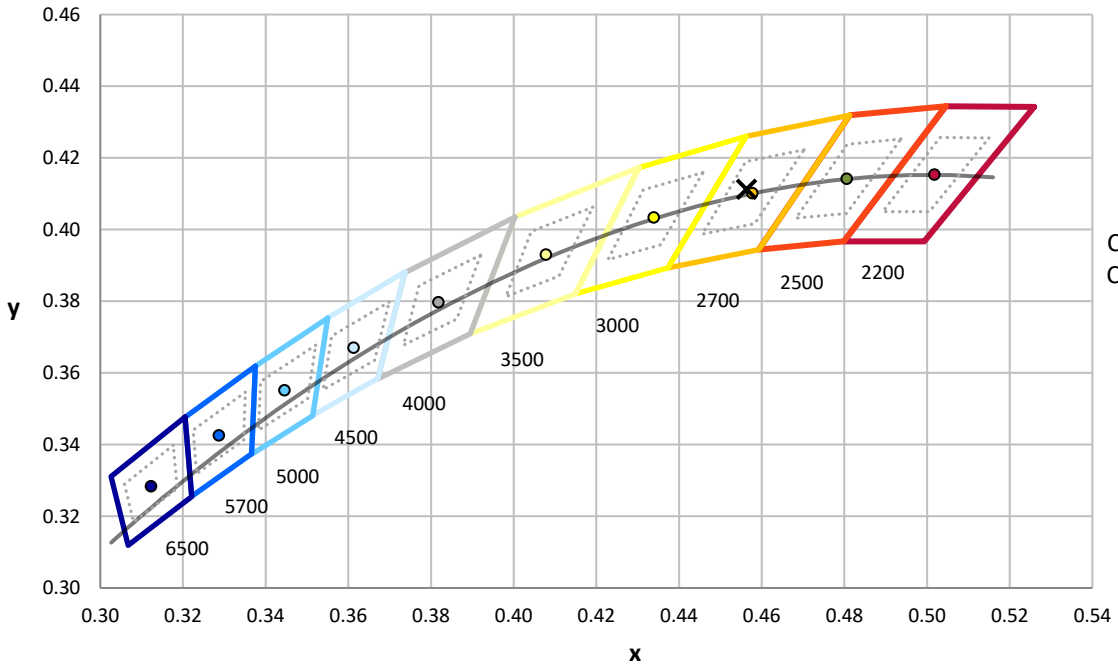
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

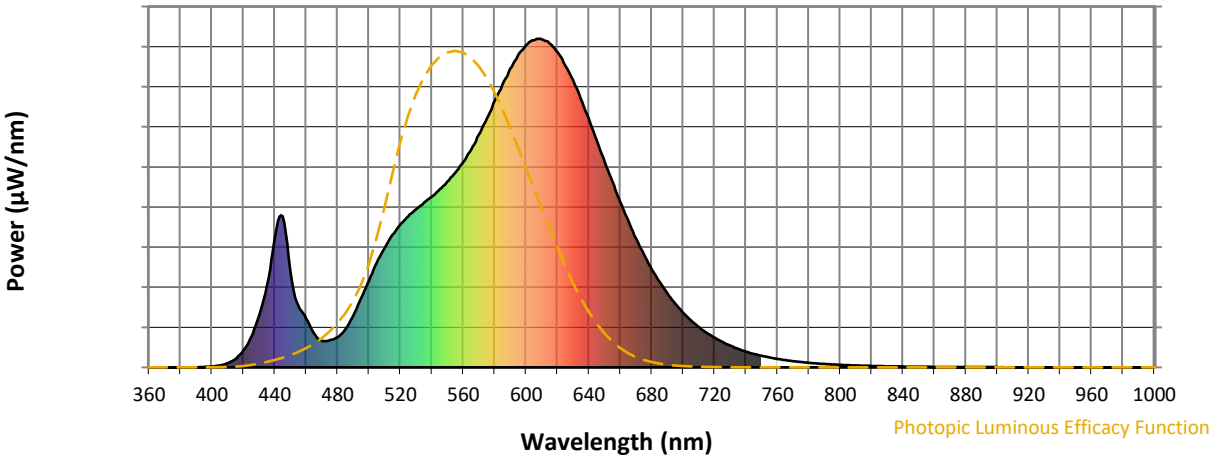


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

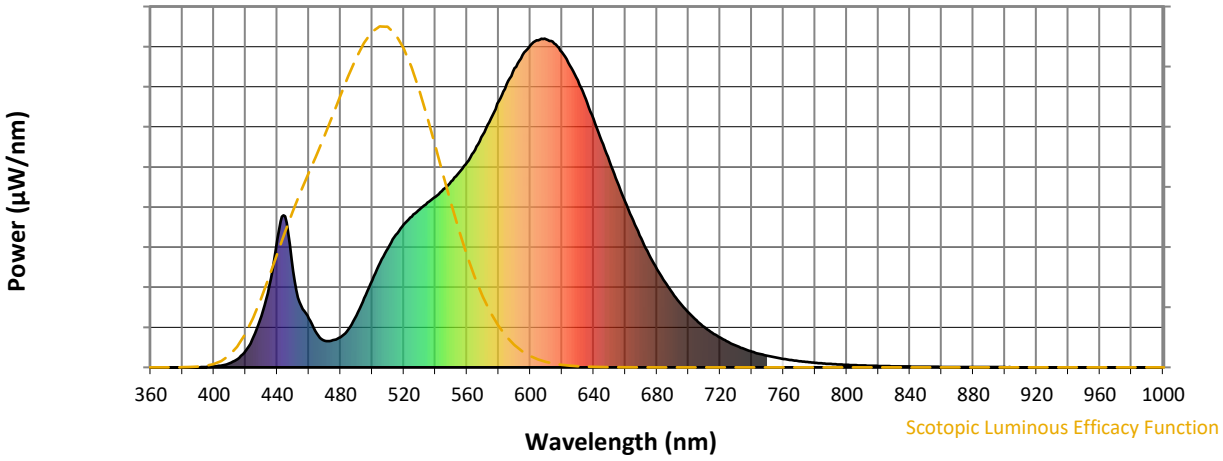


Photopic Lumens: NR

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

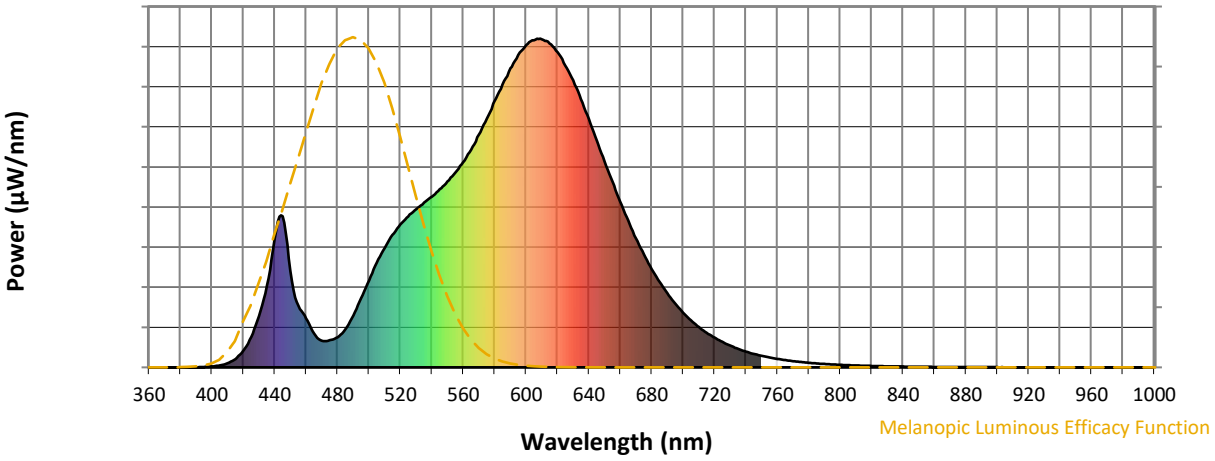


Scotopic Lumens: NR **S/P: 1.2**

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			

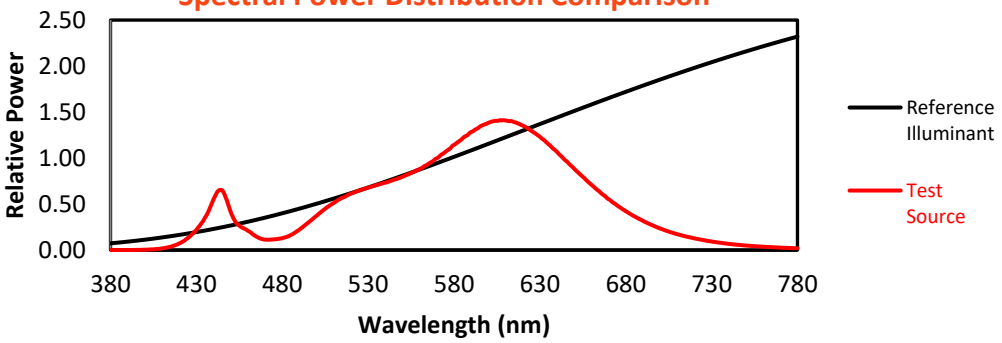
REPORT NUMBER: SP1-2407-184-8

TM-30-18

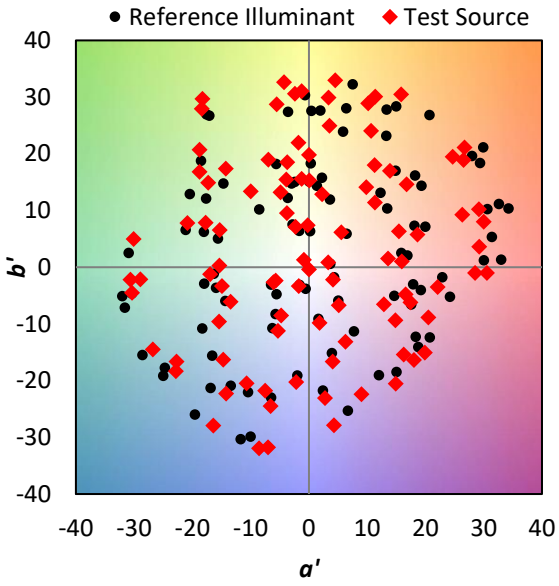
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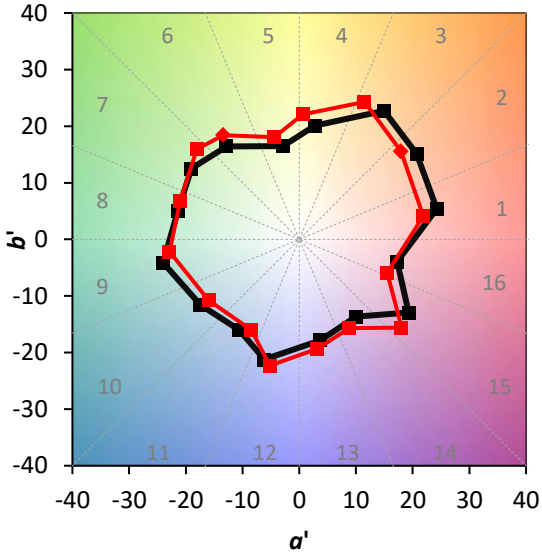
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

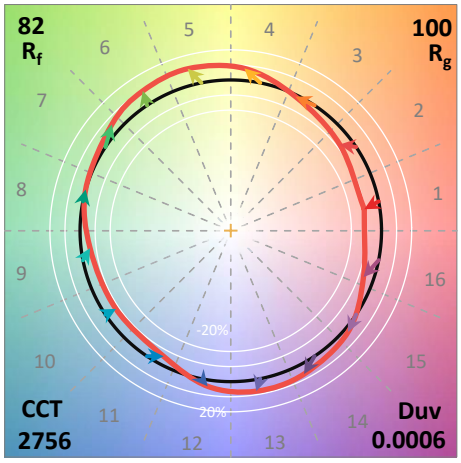
Spectral Power Distribution Comparison

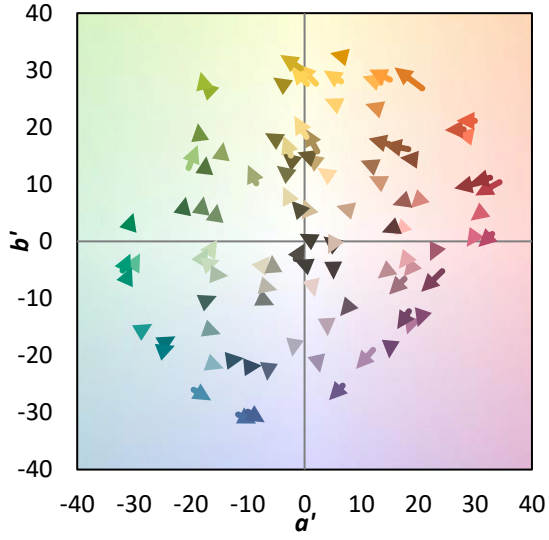


Color Vector Graphics







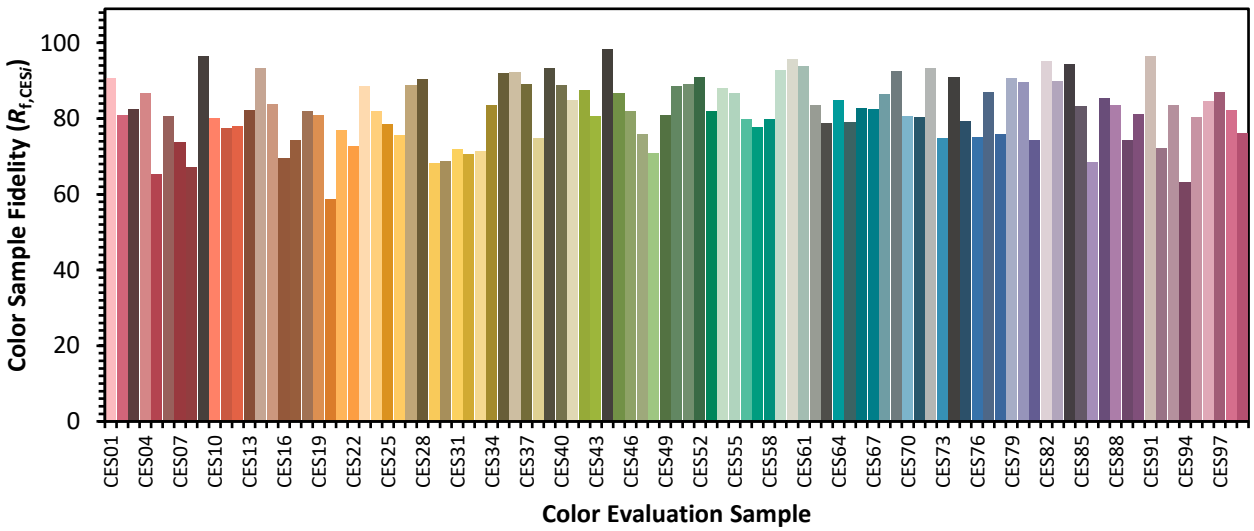


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Individual Sample Fidelity Index ($R_{f,i}$)

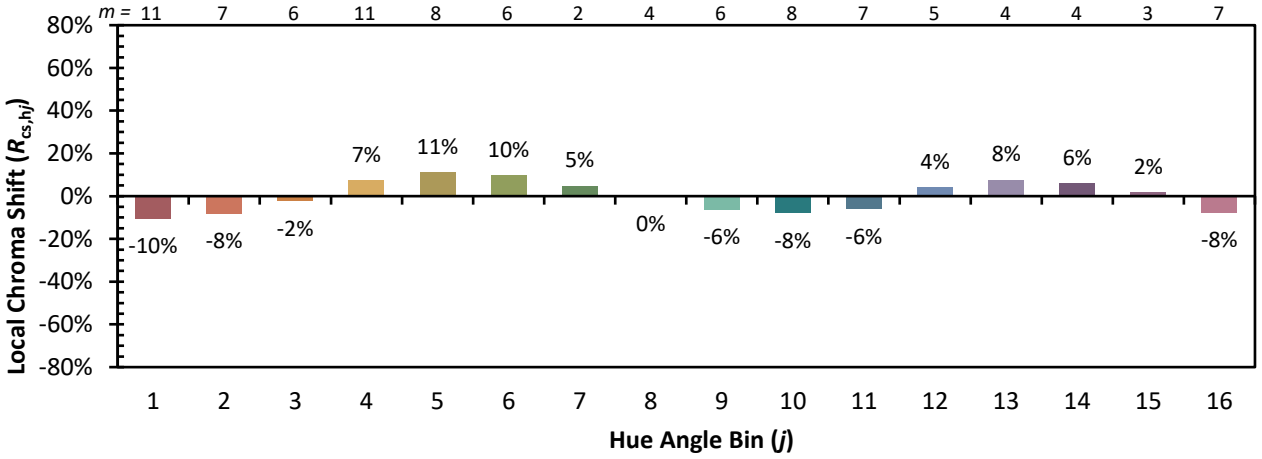
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57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

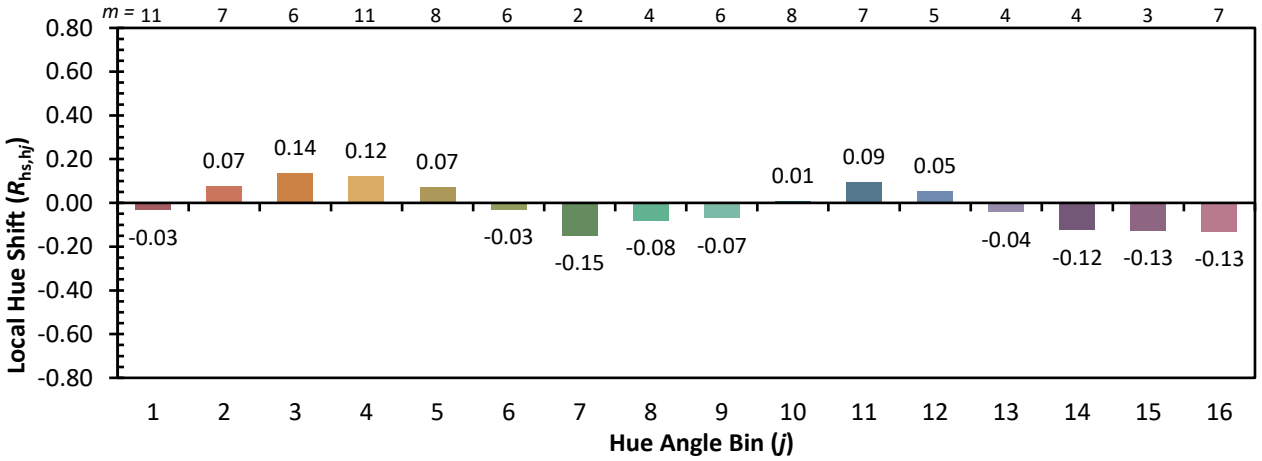


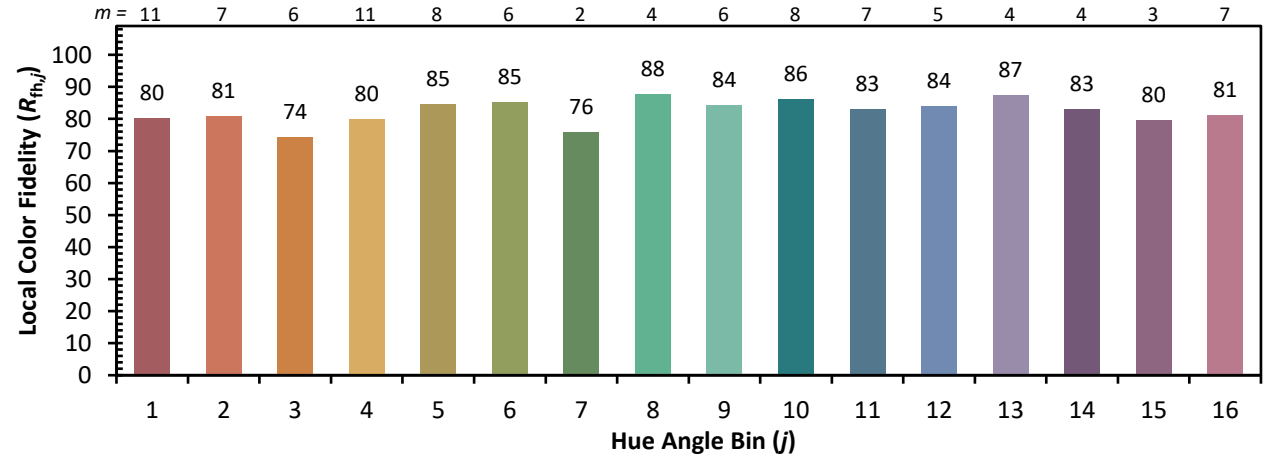
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Color Rendition by Hue-Angle Bin



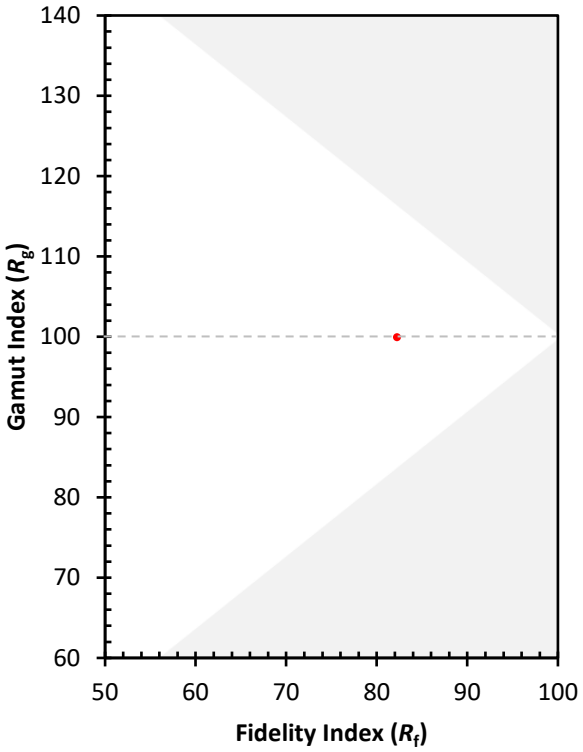


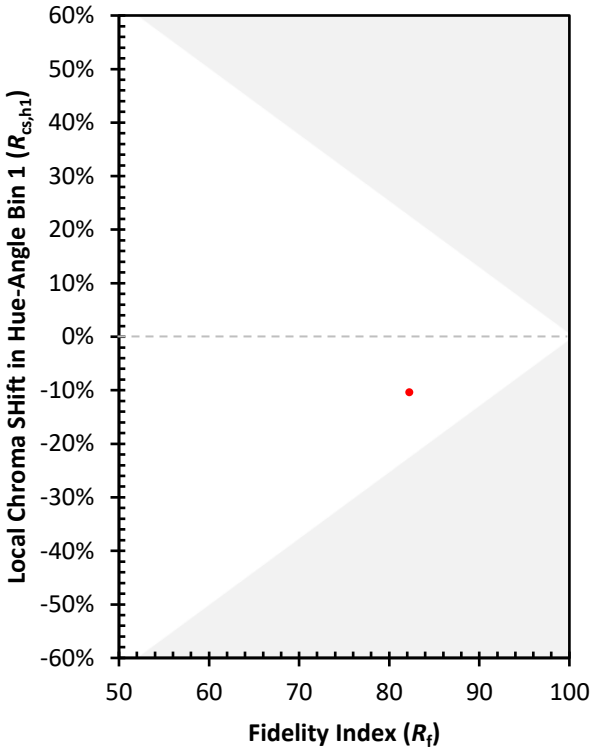


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Measure Comparisons





(END OF REPORT)