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: P1501755

Luminaire Tested: GSS-SB6C-722-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501755
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29085 lumens
Efficiency:	N/A
Efficacy:	96.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

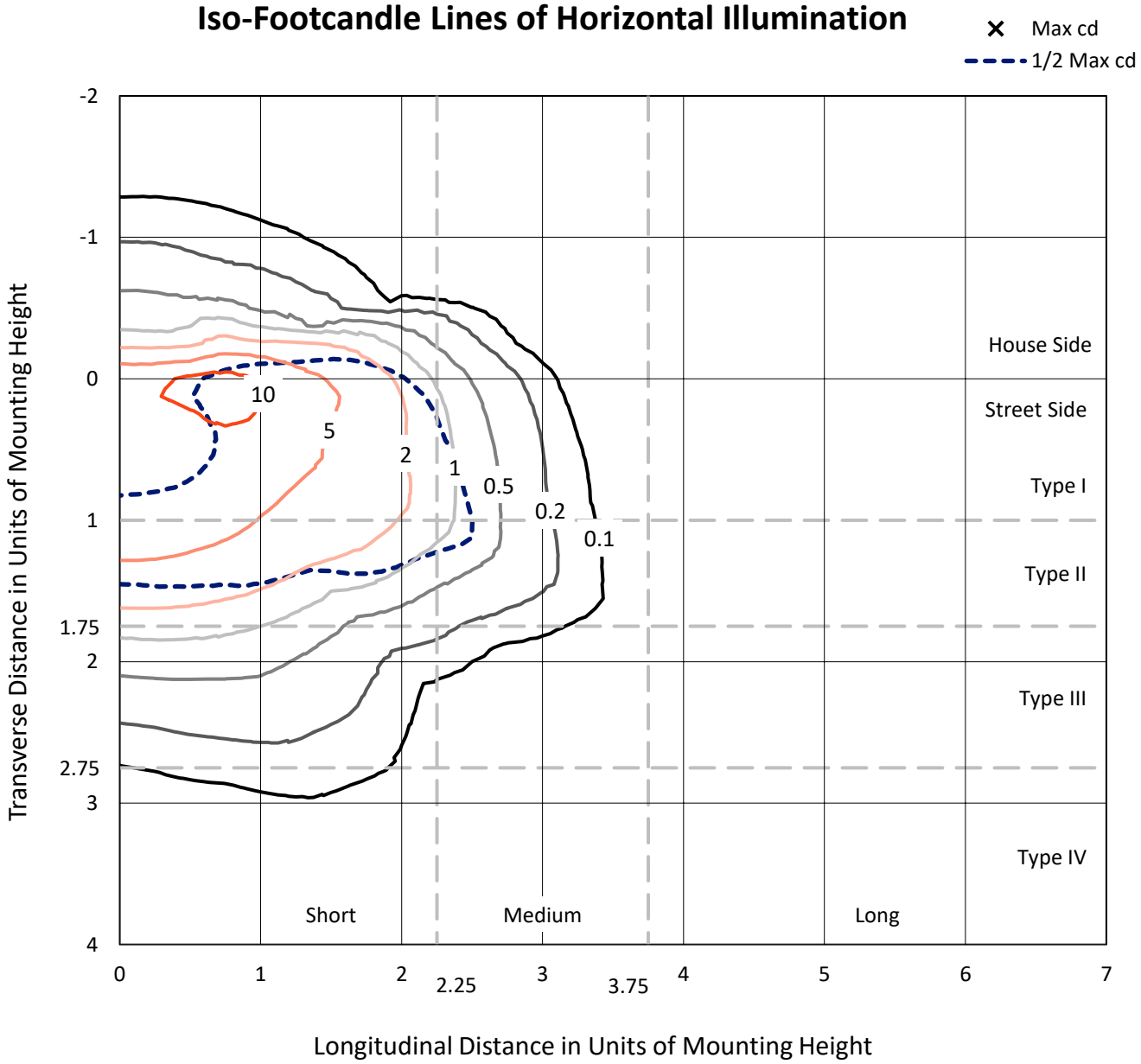
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



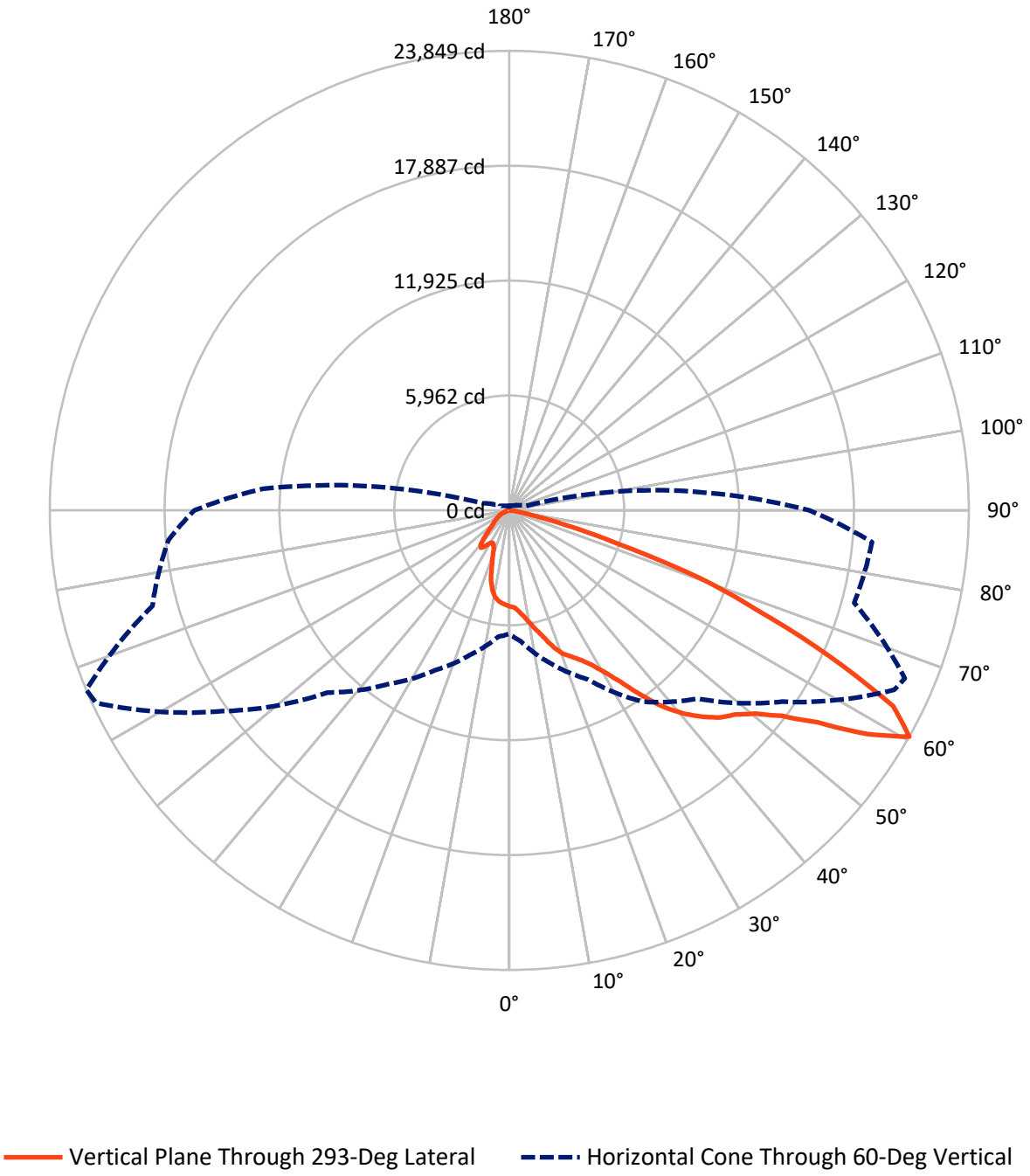
Based on 25 foot mounting height. Maximum calculated value = 13.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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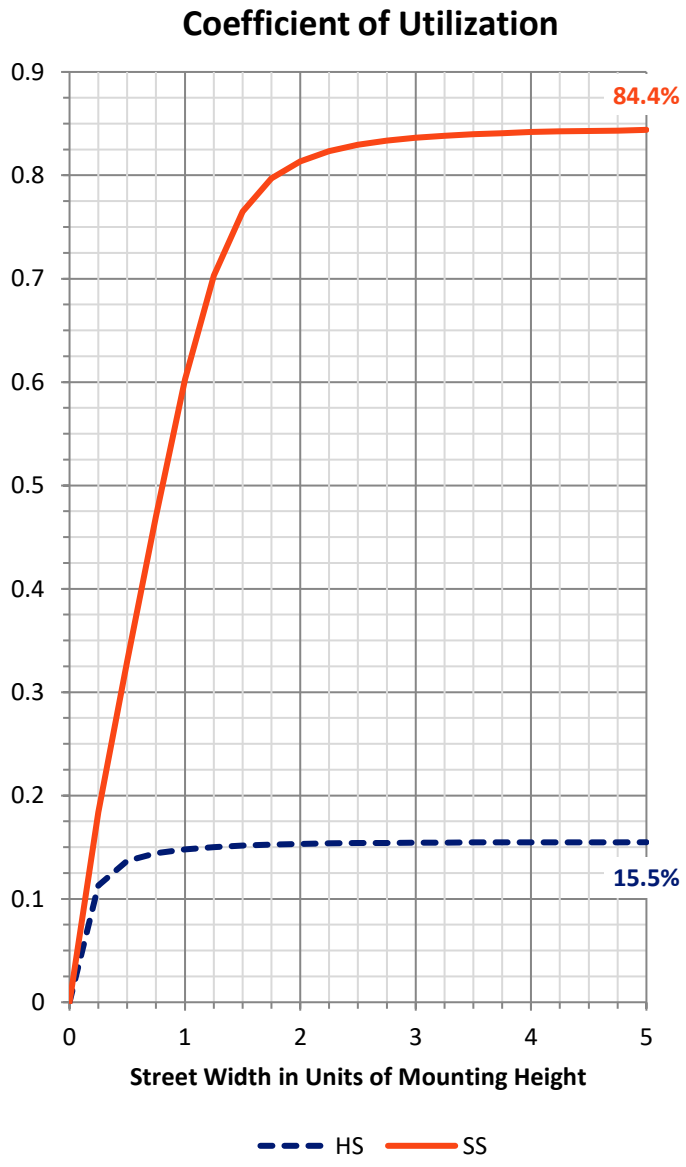
REPORT NUMBER: P1501755
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4538.0	0.0	4538.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	24547.0	0.0	24547.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	29085.0	0.0	29085.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.3	1.6
10°-20°	1136.8	3.9
20°-30°	2122.2	7.3
30°-40°	4208.5	14.5
40°-50°	6709.9	23.1
50°-60°	8016.6	27.6
60°-70°	5255.4	18.1
70°-80°	1101.0	3.8
80°-90°	83.3	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°	29085.0	100.0
0°-180°	29085.0	100.0



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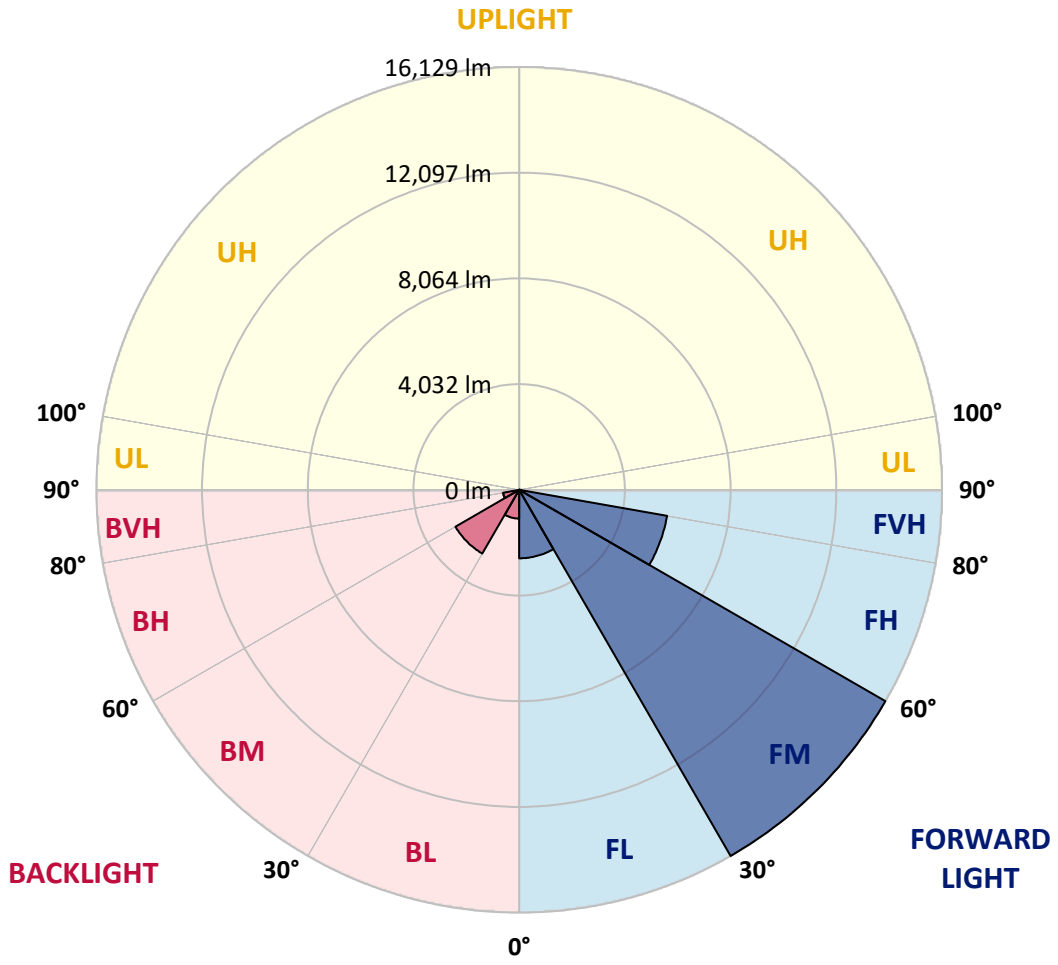
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2612.4	9.0			
FM	(30°-60°)	16128.7	55.5			
FH	(60°-80°)	5729.6	19.7			G3/7500
FVH	(80°-90°)	76.3	0.3			G1/100
BL	(0°-30°)	1097.9	3.8	B3/2500		
BM	(30°-60°)	2806.3	9.6	B3/5000		
BH	(60°-80°)	626.8	2.2	B2/1000		G2/1000
BVH	(80°-90°)	7.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9
2.5°	5237.4	5221.1	5196.6	5204.8	5196.6	5164.1	5115.2	5074.5	5107.1	5058.2	5025.6
5°	5392.1	5392.1	5375.8	5375.8	5384.0	5367.7	5335.1	5278.1	5286.2	5245.5	5139.6
7.5°	5392.1	5367.7	5408.4	5449.1	5522.5	5563.2	5579.5	5546.9	5563.2	5481.7	5343.3
10°	5074.5	5058.2	5164.1	5318.8	5530.6	5717.9	5840.1	5848.3	5872.7	5791.2	5628.3
12.5°	4398.4	4365.8	4577.6	4870.8	5302.5	5734.2	6076.3	6206.7	6263.7	6231.1	6003.0
15°	3771.2	3812.0	3958.6	4276.2	4854.5	5514.3	6206.7	6638.4	6719.8	6760.5	6491.7
17.5°	3706.1	3714.2	3763.1	3917.8	4357.7	5155.9	6222.9	7086.3	7200.4	7379.6	7013.0
20°	3885.3	3869.0	3917.8	3966.7	4178.5	4838.3	6068.2	7518.0	7738.0	8120.8	7721.7
22.5°	4219.2	4219.2	4243.7	4276.2	4382.1	4813.8	6003.0	7917.1	8291.8	9073.8	8609.5
25°	4781.2	4716.1	4732.4	4691.6	4781.2	5107.1	6149.6	8234.8	8748.0	10132.6	9668.4
27.5°	5652.8	5677.2	5530.6	5310.7	5359.6	5636.5	6508.0	8593.2	9220.4	11232.3	10743.5
30°	6858.3	6817.5	6727.9	6296.3	6100.8	6345.1	7167.8	9179.7	9855.7	12625.1	12177.1
32.5°	7803.1	7917.1	7762.4	7461.0	7159.6	7233.0	8096.3	10124.5	10629.5	13903.9	13659.5
35°	8943.4	8943.4	8976.0	8552.5	8348.8	8332.6	9261.1	11150.8	11655.8	15060.5	15231.6
37.5°	10482.9	10377.0	10197.8	9725.4	9570.6	9774.3	10352.6	12209.7	12755.4	15997.2	16453.3
40°	11778.0	11851.3	11826.9	11142.7	10841.3	11061.2	11574.4	13113.8	13537.3	16599.9	17438.9
42.5°	13048.6	13089.4	12983.5	12657.7	12217.8	12234.1	12657.7	13798.0	14229.7	17178.3	18367.5
45°	14001.6	13993.5	13920.2	13838.7	13578.1	13309.3	13382.6	14555.5	14930.2	17365.6	18872.5
47.5°	14303.0	14368.2	14433.3	14661.4	14840.6	14417.0	14042.4	14962.8	15304.9	17333.0	19059.8
50°	14026.1	14164.5	14482.2	14824.3	15435.2	15402.6	14596.2	15402.6	15736.6	17512.2	19279.7
52.5°	13407.0	13545.5	13969.0	14588.1	15508.5	15964.6	15622.5	16143.8	16534.8	17968.3	19735.9
55°	11965.3	12022.3	12893.9	13708.4	15142.0	15720.3	16722.1	17398.2	17724.0	18522.2	20338.6
57.5°	9741.7	9880.1	10735.4	12063.1	14115.7	15076.8	17349.3	19540.4	19532.2	19051.7	20468.9
60°	*6410.3*	*6817.5*	*8210.4*	*9676.5*	*12128.2*	*13814.3*	*17308.6*	*22049.1*	*22301.6*	*18530.4*	*18896.9*
62.5°	4895.3	5066.3	5856.4	7078.2	8976.0	11452.2	17039.8	22798.5	22993.9	17129.4	16542.9
65°	3681.6	3893.4	4650.9	5742.4	6337.0	7762.4	15280.4	19817.3	20086.1	15288.6	12861.3
67.5°	2256.2	2427.3	3437.3	4716.1	4797.5	4822.0	10311.8	15011.6	15109.4	12331.9	8658.4
70°	1506.9	1677.9	2378.4	3624.6	3820.1	2777.5	5660.9	11362.6	11354.4	8438.4	5261.8
72.5°	871.5	953.0	1506.9	2671.6	3005.6	1767.5	2826.4	7224.8	6907.1	3966.7	2459.9
75°	496.9	553.9	830.8	1718.6	2109.6	1124.0	1115.9	3869.0	3421.0	2044.4	1344.0
77.5°	301.4	325.8	456.1	1124.0	1270.7	757.5	619.0	1800.1	1734.9	1197.3	708.6
80°	146.6	171.0	276.9	659.8	814.5	407.3	374.7	708.6	757.5	659.8	374.7
82.5°	48.9	65.2	154.8	252.5	529.4	162.9	154.8	391.0	415.4	391.0	179.2
85°	24.4	32.6	73.3	81.5	203.6	81.5	57.0	171.0	211.8	130.3	73.3
87.5°	0.0	8.1	8.1	8.1	8.1	8.1	8.1	16.3	16.3	16.3	16.3
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°	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9
2.5°	5001.2	4984.9	4952.3	4895.3	4887.1	4846.4	4781.2	4740.5	4707.9	4732.4	4740.5
5°	5090.8	5050.0	4952.3	4797.5	4634.6	4471.7	4317.0	4137.8	4015.6	3999.3	3966.7
7.5°	5253.7	5172.2	4960.4	4659.1	4243.7	3852.7	3396.6	2956.7	2736.8	2704.2	2630.9
10°	5514.3	5375.8	5025.6	4414.7	3616.5	2802.0	2109.6	1637.2	1368.4	1319.5	1335.8
12.5°	5823.8	5628.3	5033.7	3999.3	2753.1	1734.9	1197.3	1018.2	961.1	936.7	936.7
15°	6222.9	5937.9	5025.6	3461.7	1857.1	1115.9	961.1	887.8	863.4	847.1	847.1
17.5°	6727.9	6353.3	4968.6	2655.3	1254.4	969.3	879.7	822.7	790.1	781.9	781.9
20°	7322.5	6817.5	4838.3	1979.3	1050.7	904.1	830.8	757.5	733.1	716.8	716.8
22.5°	8080.1	7379.6	4585.8	1539.4	993.7	863.4	781.9	700.5	676.1	659.8	659.8
25°	8959.7	8096.3	4251.8	1384.7	985.6	830.8	733.1	651.6	627.2	619.0	610.9
27.5°	10002.3	8862.0	3942.3	1392.8	1001.9	806.4	684.2	610.9	586.5	562.0	570.2
30°	11232.3	9652.1	3689.8	1490.6	1018.2	781.9	651.6	586.5	562.0	529.4	529.4
32.5°	12445.9	10580.6	3665.3	1669.8	1075.2	765.7	619.0	553.9	529.4	505.0	505.0
35°	13692.1	11427.7	3803.8	1906.0	1189.2	741.2	578.3	521.3	496.9	480.6	472.4
37.5°	14881.3	12103.8	3934.1	2052.6	1124.0	635.3	529.4	480.6	456.1	423.6	423.6
40°	15671.4	12470.3	3958.6	1938.6	928.6	570.2	480.6	431.7	399.1	382.8	374.7
42.5°	16249.7	12706.5	3681.6	1572.0	806.4	521.3	439.8	391.0	366.5	350.2	350.2
45°	16485.9	12625.1	3209.2	1197.3	741.2	480.6	399.1	358.4	342.1	325.8	325.8
47.5°	16453.3	12250.4	2728.6	961.1	676.1	439.8	374.7	342.1	325.8	309.5	301.4
50°	16396.3	11900.2	2239.9	855.2	602.7	415.4	350.2	325.8	301.4	285.1	276.9
52.5°	16771.0	11786.1	1857.1	781.9	562.0	399.1	342.1	309.5	285.1	268.8	268.8
55°	17145.7	11835.0	1458.0	733.1	521.3	391.0	334.0	301.4	276.9	252.5	252.5
57.5°	17121.2	11623.2	1107.7	684.2	488.7	382.8	325.8	293.2	252.5	236.2	236.2
60°	*15565.5*	*10368.9*	*863.4*	*627.2*	*448.0*	*358.4*	*301.4*	*276.9*	*236.2*	*211.8*	*211.8*
62.5°	13162.7	8153.4	708.6	553.9	399.1	325.8	276.9	252.5	211.8	171.0	171.0
65°	9725.4	5880.8	570.2	480.6	366.5	285.1	252.5	219.9	171.0	138.5	130.3
67.5°	6581.3	3616.5	456.1	399.1	325.8	244.4	211.8	187.3	154.8	114.0	105.9
70°	3901.6	1922.3	334.0	276.9	244.4	179.2	179.2	162.9	130.3	97.7	89.6
72.5°	1857.1	667.9	244.4	203.6	187.3	130.3	138.5	138.5	105.9	73.3	65.2
75°	944.8	325.8	162.9	146.6	122.2	97.7	114.0	105.9	73.3	48.9	48.9
77.5°	537.6	228.1	114.0	97.7	81.5	65.2	73.3	65.2	40.7	24.4	24.4
80°	301.4	162.9	73.3	65.2	48.9	40.7	40.7	32.6	24.4	8.1	8.1
82.5°	114.0	97.7	48.9	32.6	24.4	24.4	16.3	16.3	8.1	0.0	0.0
85°	48.9	24.4	24.4	16.3	16.3	8.1	8.1	8.1	0.0	0.0	0.0
87.5°	8.1	8.1	8.1	8.1	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9
2.5°	4675.4	4691.6	4707.9	4773.1	4789.4	4838.3	4879.0	4927.9	4936.0	5001.2	5001.2
5°	4031.9	4023.7	4162.2	4365.8	4496.2	4675.4	4813.8	4960.4	5041.9	5147.8	5196.6
7.5°	2671.6	2875.3	3184.8	3543.2	4007.4	4439.1	4765.0	5050.0	5245.5	5367.7	5416.6
10°	1327.7	1441.7	1767.5	2354.0	3144.1	4023.7	4716.1	5245.5	5563.2	5701.7	5791.2
12.5°	936.7	961.1	1018.2	1335.8	2093.3	3339.5	4561.3	5457.3	5897.1	6157.8	6271.8
15°	839.0	855.2	879.7	969.3	1295.1	2492.4	4284.4	5693.5	6418.4	6719.8	6866.4
17.5°	773.8	781.9	806.4	879.7	1018.2	1694.2	3836.4	5946.0	7045.6	7412.1	7689.1
20°	716.8	716.8	741.2	830.8	944.8	1303.2	3192.9	6231.1	7843.8	8373.3	8650.2
22.5°	651.6	667.9	684.2	781.9	920.4	1189.2	2590.2	6451.0	8731.7	9375.1	9701.0
25°	602.7	619.0	635.3	733.1	896.0	1189.2	2239.9	6589.5	9725.4	10491.0	10939.0
27.5°	562.0	578.3	602.7	700.5	871.5	1238.1	2101.5	6630.2	10808.7	11802.4	12405.2
30°	529.4	545.7	570.2	676.1	887.8	1295.1	2150.3	6573.2	11908.3	13154.5	13871.3
32.5°	496.9	513.1	537.6	651.6	887.8	1368.4	2313.2	6459.2	12975.3	14506.6	15386.3
35°	472.4	480.6	488.7	586.5	806.4	1360.3	2516.9	6345.1	14050.5	15842.4	16868.7
37.5°	423.6	431.7	448.0	505.0	643.5	1238.1	2557.6	6206.7	14897.6	16966.5	18098.7
40°	374.7	391.0	407.3	464.3	537.6	1001.9	2378.4	5913.4	15345.6	17829.9	19206.4
42.5°	342.1	350.2	366.5	423.6	496.9	798.2	1995.6	5400.3	15744.7	18416.3	20012.8
45°	317.7	325.8	342.1	382.8	464.3	692.3	1572.0	4773.1	15777.3	18603.7	20403.8
47.5°	293.2	301.4	309.5	350.2	448.0	619.0	1205.5	4202.9	15769.1	18848.0	20737.7
50°	276.9	285.1	301.4	334.0	423.6	553.9	993.7	3738.7	16111.2	19377.5	21413.8
52.5°	268.8	268.8	293.2	325.8	399.1	505.0	830.8	3323.2	16290.4	19898.8	21902.5
55°	252.5	260.6	276.9	309.5	374.7	480.6	708.6	2802.0	16371.9	20159.4	21992.1
57.5°	236.2	244.4	268.8	293.2	358.4	456.1	610.9	2093.3	15207.1	18799.2	20493.4
60°	*211.8*	*228.1*	*260.6*	*285.1*	*334.0*	*415.4*	*537.6*	*1417.3*	*12828.7*	*16339.3*	*17756.6*
62.5°	171.0	203.6	236.2	252.5	301.4	350.2	456.1	944.8	10246.7	13521.1	15133.8
65°	130.3	171.0	195.5	219.9	252.5	293.2	382.8	643.5	6833.8	9098.2	10914.6
67.5°	114.0	146.6	162.9	179.2	211.8	252.5	309.5	448.0	4145.9	5465.4	7257.4
70°	89.6	122.2	138.5	130.3	162.9	195.5	219.9	301.4	2117.8	2964.9	4129.6
72.5°	65.2	97.7	105.9	105.9	97.7	138.5	162.9	211.8	920.4	1441.7	1873.4
75°	48.9	65.2	73.3	65.2	57.0	89.6	114.0	138.5	602.7	863.4	1091.5
77.5°	24.4	24.4	40.7	40.7	24.4	48.9	57.0	81.5	342.1	505.0	627.2
80°	8.1	0.0	0.0	8.1	0.0	16.3	24.4	40.7	179.2	268.8	391.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	89.6	81.5	203.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	48.9
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: P1501755
CATALOG NUMBER: GSS-SB6C-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4984.9	*4984.9*	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9	4984.9
2.5°	5041.9	*5041.9*	5074.5	5123.3	5147.8	5164.1	5172.2	5188.5	5253.7	5237.4
5°	5253.7	*5270.0*	5294.4	5343.3	5400.3	5384.0	5384.0	5384.0	5424.7	5392.1
7.5°	5530.6	*5579.5*	5587.6	5644.6	5603.9	5522.5	5473.6	5400.3	5392.1	5392.1
10°	5978.6	*5962.3*	5962.3	5889.0	5742.4	5506.2	5294.4	5147.8	5066.3	5074.5
12.5°	6459.2	*6394.0*	6402.1	6133.3	5717.9	5196.6	4765.0	4447.3	4422.9	4398.4
15°	7053.8	*6882.7*	6850.1	6231.1	5351.4	4553.2	4129.6	3877.1	3795.7	3771.2
17.5°	7900.9	*7469.2*	7314.4	6060.0	4870.8	4154.1	3836.4	3722.4	3714.2	3706.1
20°	8796.8	*7941.6*	7648.4	5807.5	4707.9	4162.2	3926.0	3893.4	3877.1	3885.3
22.5°	9839.4	*8243.0*	7868.3	5848.3	4854.5	4431.0	4243.7	4219.2	4202.9	4219.2
25°	10914.6	*8593.2*	8128.9	6174.1	5294.4	4927.9	4707.9	4659.1	4707.9	4781.2
27.5°	11997.9	*9065.6*	8642.1	6817.5	6003.0	5603.9	5392.1	5571.3	5644.6	5652.8
30°	12959.0	*9725.4*	9334.4	7721.7	6809.4	6410.3	6451.0	6679.1	6768.7	6858.3
32.5°	13838.7	*10605.1*	10303.7	8748.0	7852.0	7615.8	7591.3	7762.4	7860.1	7803.1
35°	14726.6	*11753.5*	11460.3	9863.9	9130.8	8935.3	8731.7	9065.6	9033.0	8943.4
37.5°	15565.5	*12910.2*	12641.4	11061.2	10303.7	9961.6	9929.0	10230.4	10499.2	10482.9
40°	16168.3	*13846.9*	13521.1	12250.4	11533.6	11240.4	11411.4	11932.7	11867.6	11778.0
42.5°	16722.1	*14645.1*	14351.9	13293.0	12543.6	12674.0	12828.7	13179.0	13138.2	13048.6
45°	16982.8	*15329.3*	15076.8	14083.1	13716.5	14131.9	14123.8	14254.1	14034.2	14001.6
47.5°	17349.3	*15818.0*	15557.4	14791.7	15117.5	15288.6	14808.0	14669.5	14465.9	14303.0
50°	18025.4	*16575.5*	16314.9	15866.9	16143.8	15614.4	15027.9	14726.6	14311.1	14026.1
52.5°	18815.4	*17724.0*	17495.9	17316.7	16542.9	15451.5	14702.1	14156.4	13651.4	13407.0
55°	19809.2	*19418.2*	19255.3	18269.7	16184.5	14783.6	13903.9	12885.7	12193.4	11965.3
57.5°	20135.0	*21902.5*	21845.5	18424.5	15182.7	13569.9	11981.6	10605.1	9888.3	9741.7
60°	*19173.8*	*23849.2*	*23645.6*	*18163.8*	*13366.3*	*11012.3*	*9155.2*	*7746.1*	*6581.3*	*6410.3*
62.5°	17943.9	*22358.6*	22285.3	16852.5	10181.5	7892.7	6842.0	5522.5	5025.6	4895.3
65°	15370.0	*18294.2*	18326.7	13521.1	6442.9	5669.1	5620.2	4390.3	3779.4	3681.6
67.5°	11835.0	*14034.2*	13806.1	8503.6	3754.9	4536.9	4488.0	3209.2	2321.4	2256.2
70°	6915.3	*10450.3*	10083.8	4422.9	2484.3	3787.5	3453.6	2256.2	1580.2	1506.9
72.5°	3054.5	*5750.5*	6174.1	1946.7	1751.2	3013.7	2492.4	1384.7	887.8	871.5
75°	1694.2	*2850.8*	2981.1	847.1	1229.9	2142.2	1506.9	773.8	505.0	496.9
77.5°	1018.2	*1262.5*	1229.9	545.7	920.4	1368.4	912.3	439.8	317.7	301.4
80°	570.2	*578.3*	488.7	399.1	545.7	765.7	513.1	276.9	146.6	146.6
82.5°	350.2	*317.7*	252.5	122.2	146.6	464.3	187.3	154.8	48.9	48.9
85°	146.6	*97.7*	65.2	24.4	57.0	122.2	65.2	73.3	24.4	24.4
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

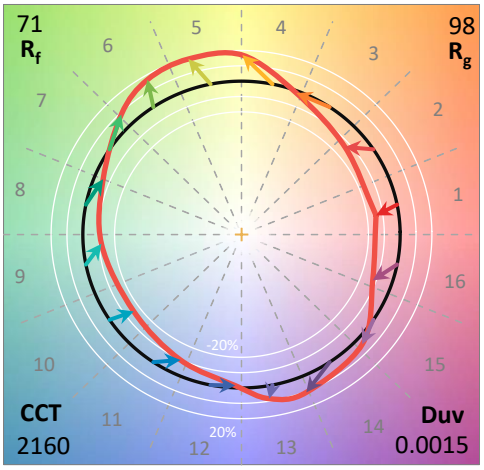
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

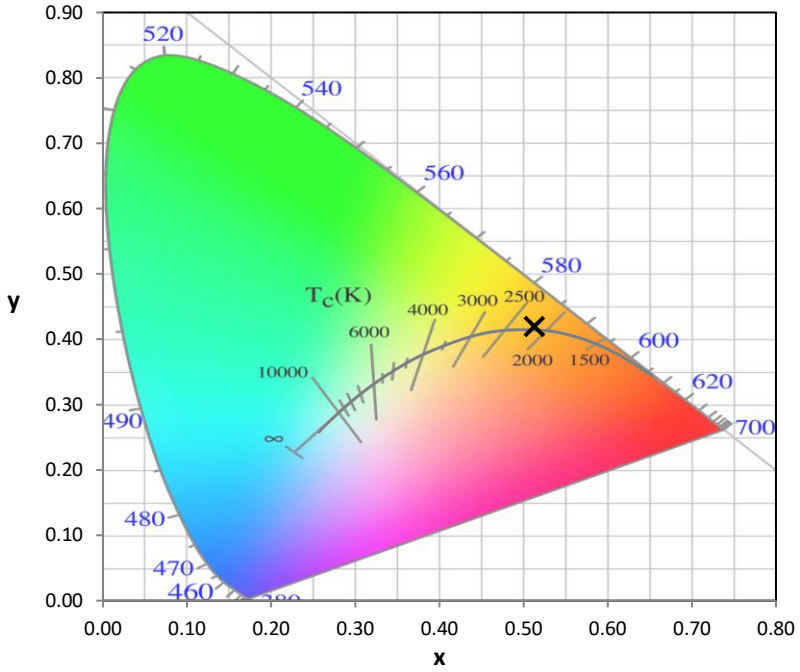
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

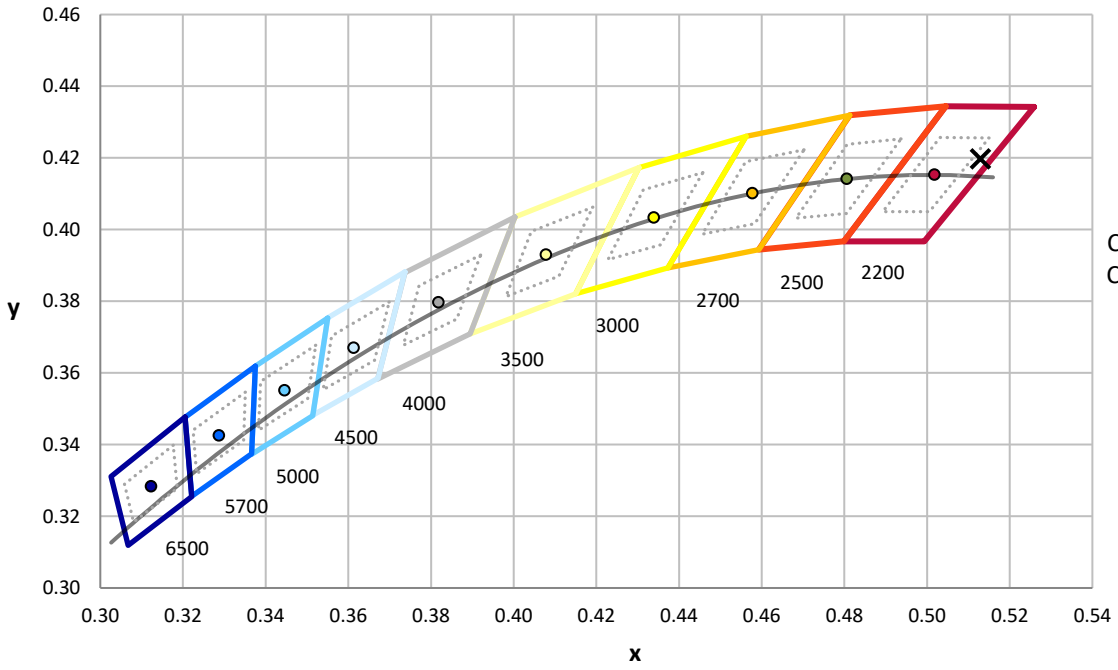
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

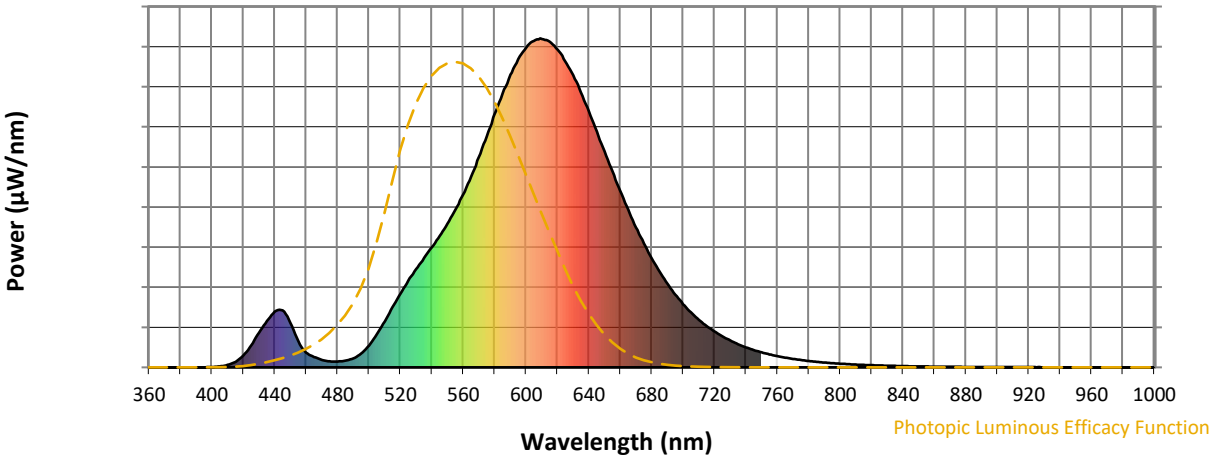


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

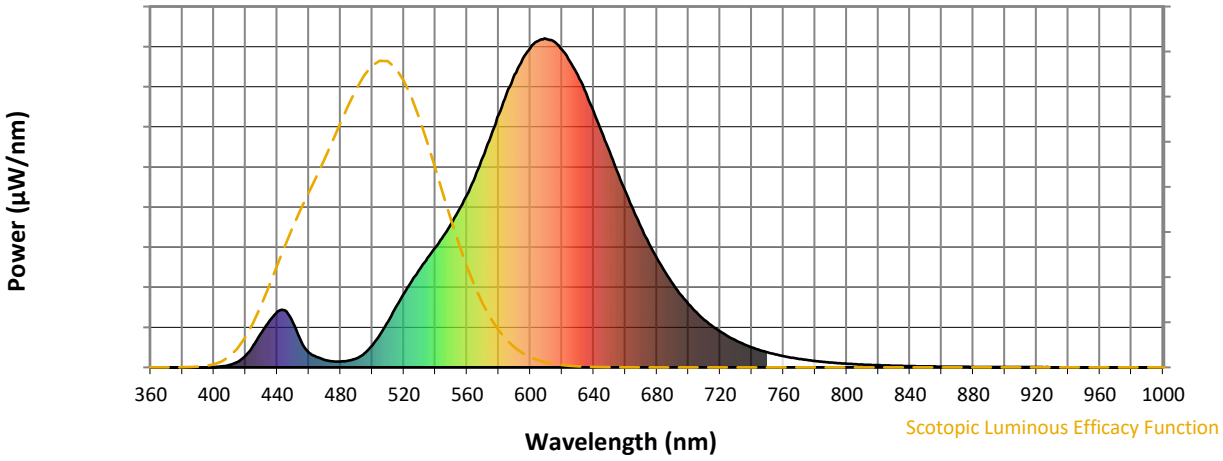


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

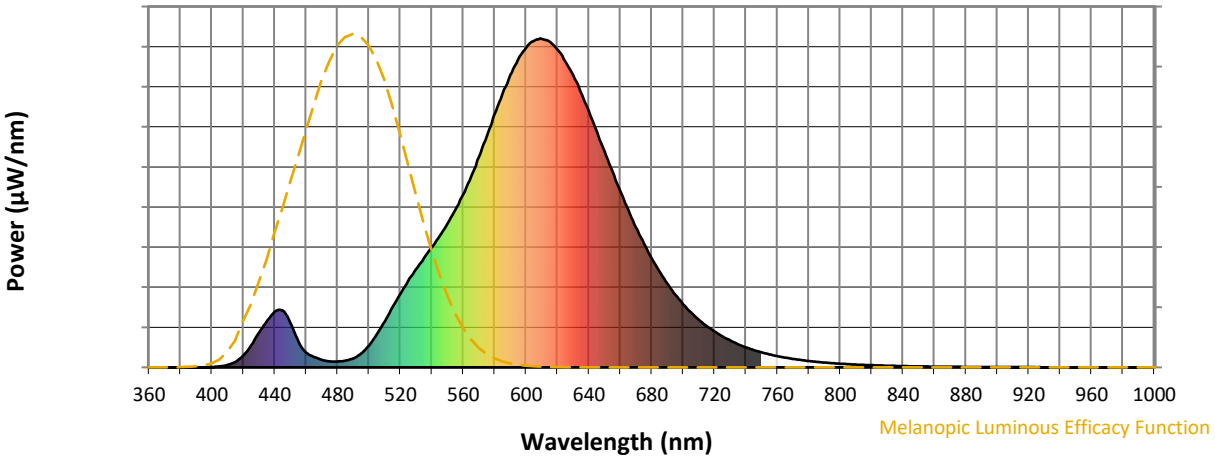


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

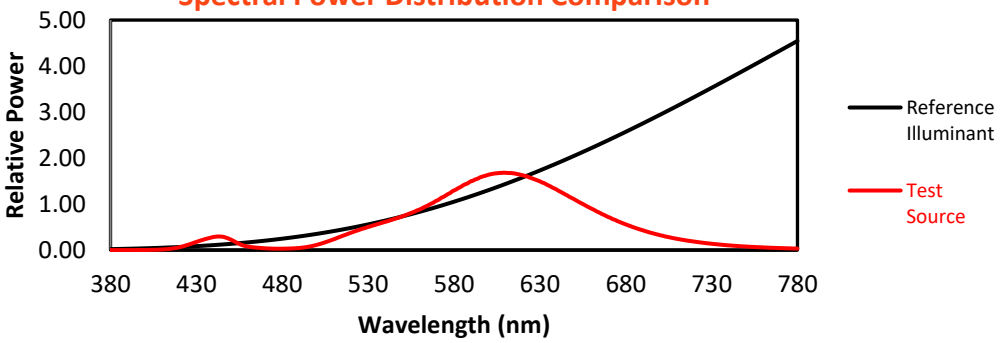
REPORT NUMBER: SP1-2407-184-2

TM-30-18

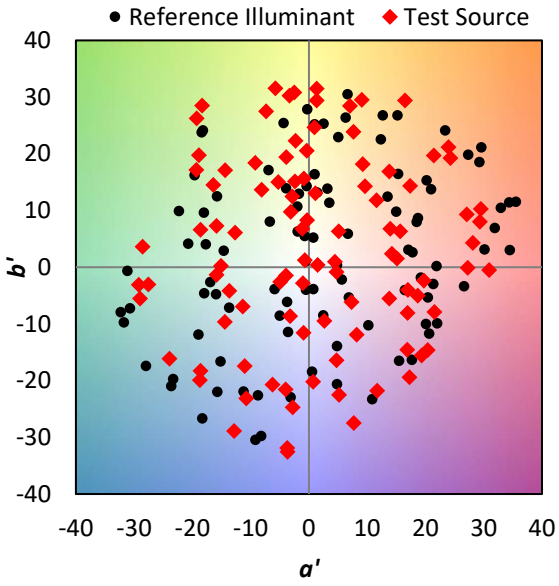
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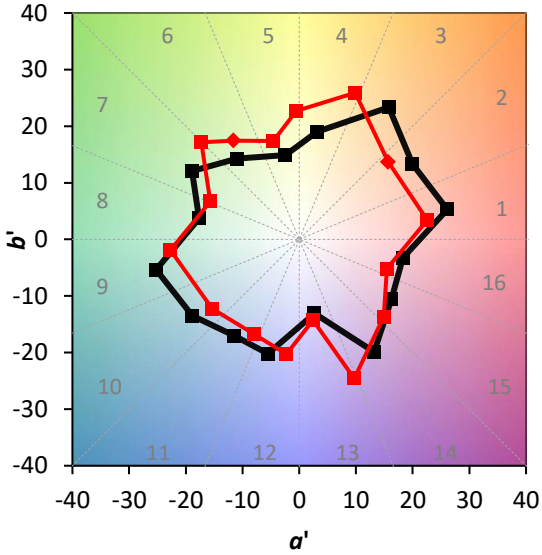
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

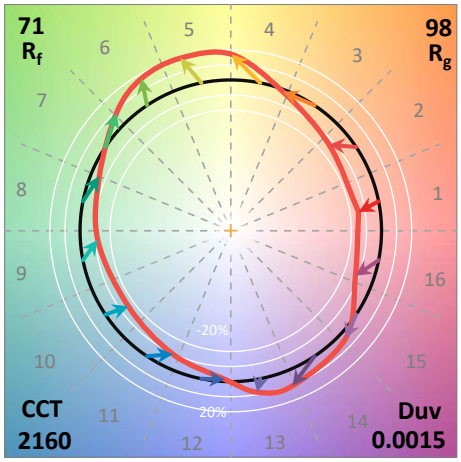
Spectral Power Distribution Comparison

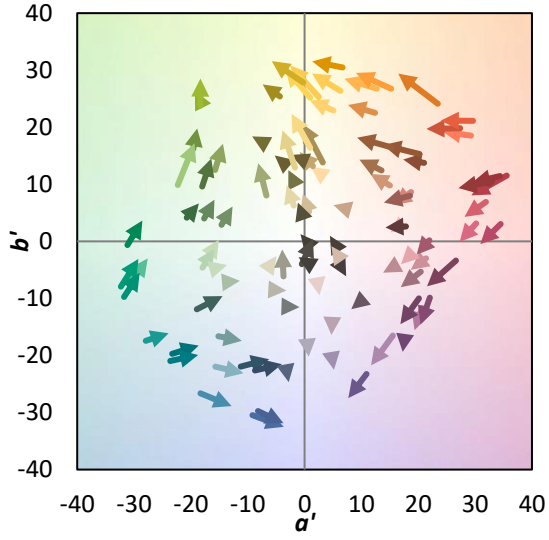


Color Vector Graphics







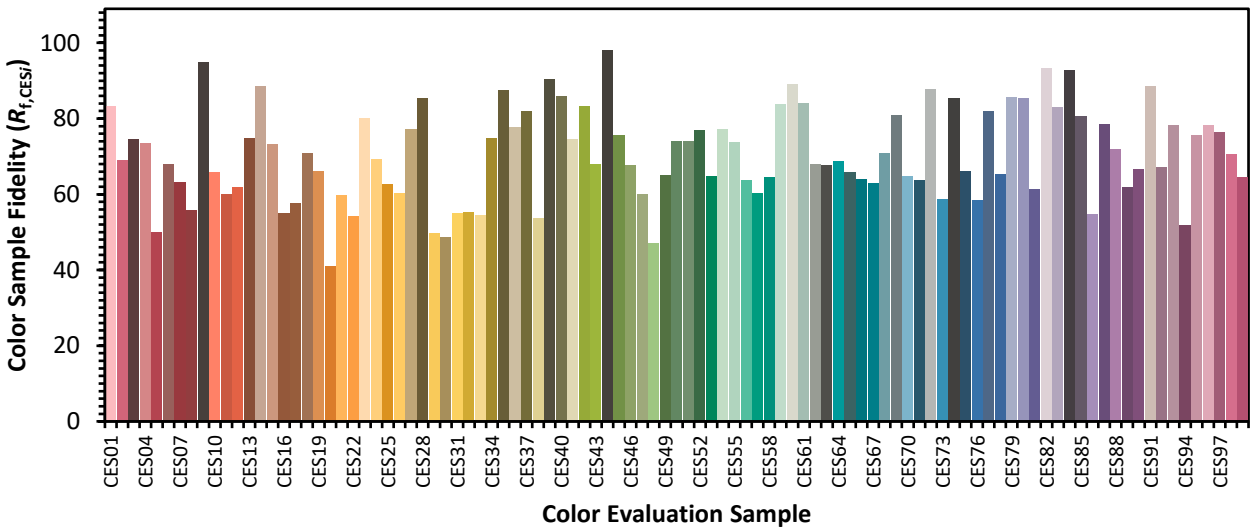


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Individual Sample Fidelity Index ($R_{f,i}$)

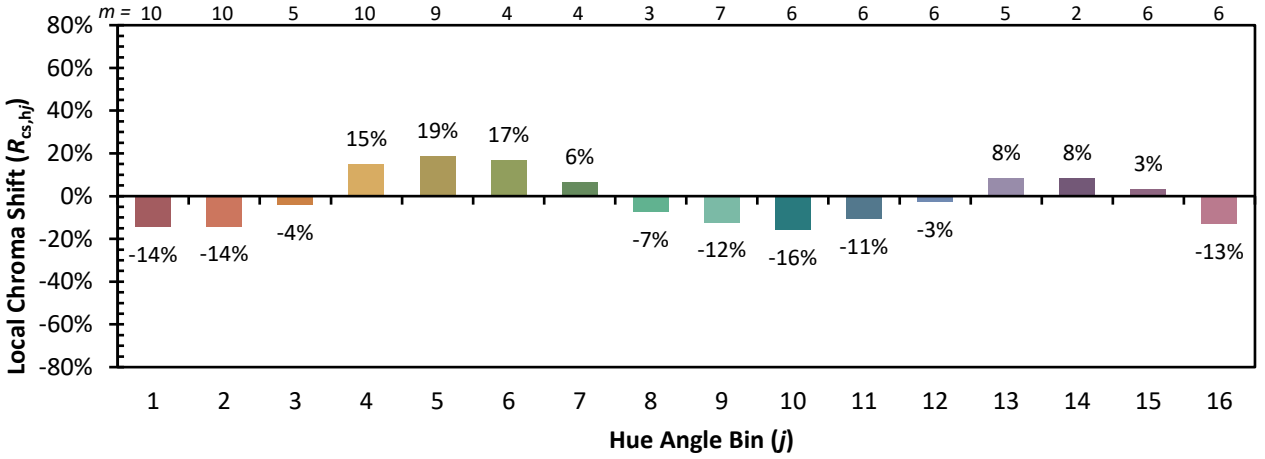
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

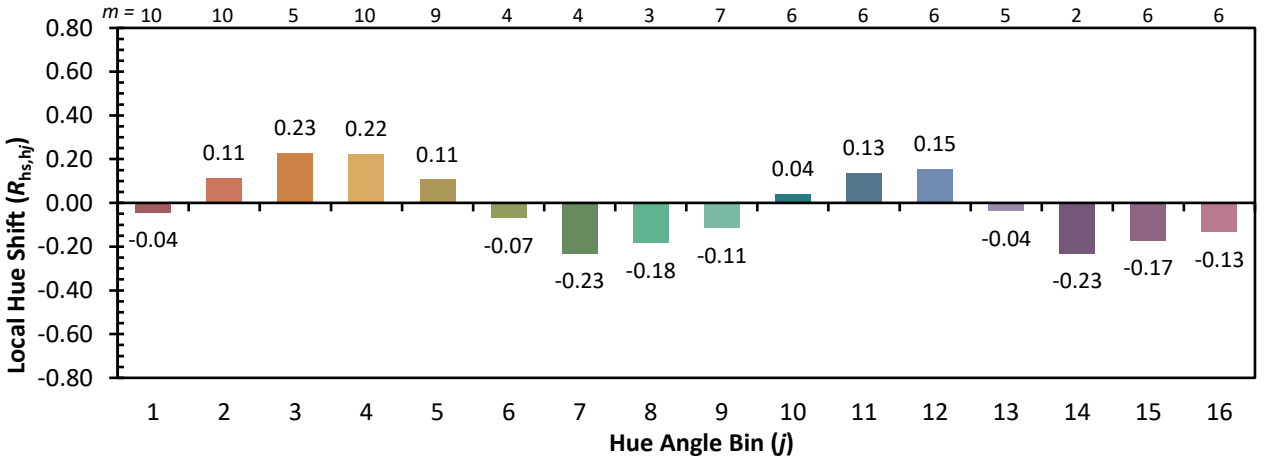


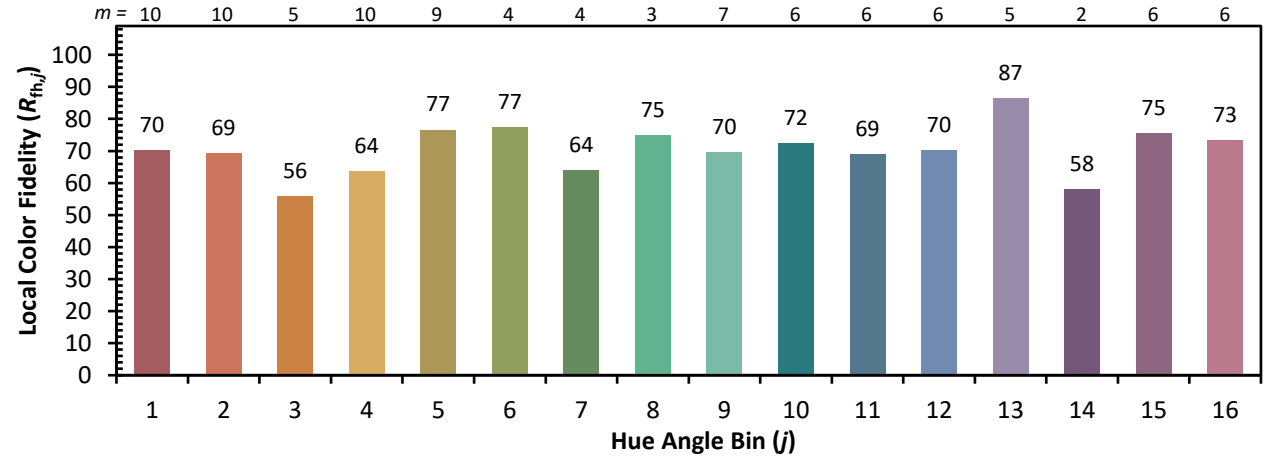
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Color Rendition by Hue-Angle Bin



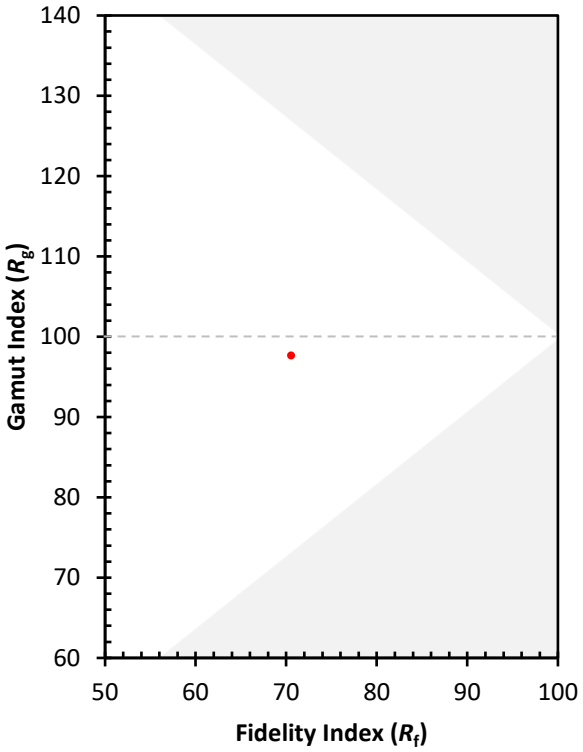


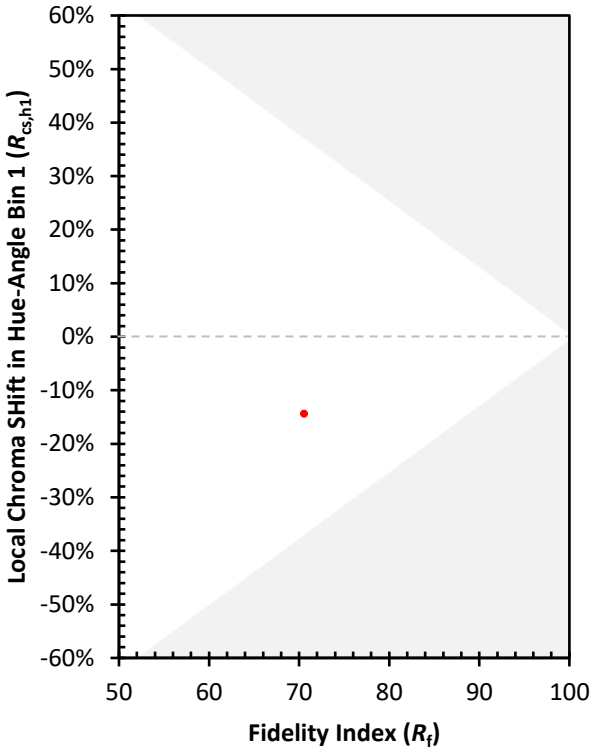


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Measure Comparisons





(END OF REPORT)