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: P1501775

Luminaire Tested: GSS-SB5C-727-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501775
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-727-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27203.2 lumens
Efficiency:	N/A
Efficacy:	107.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

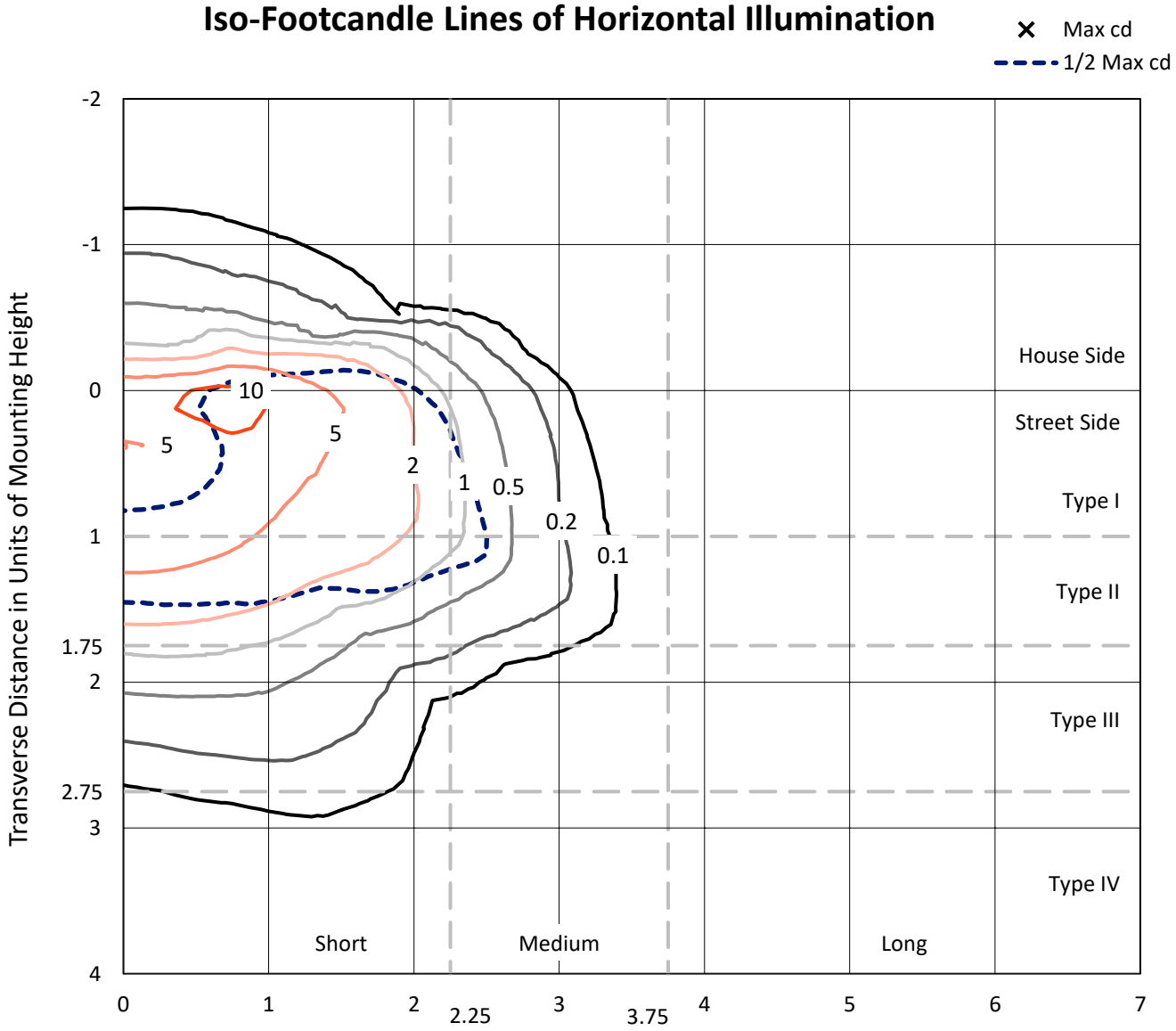
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



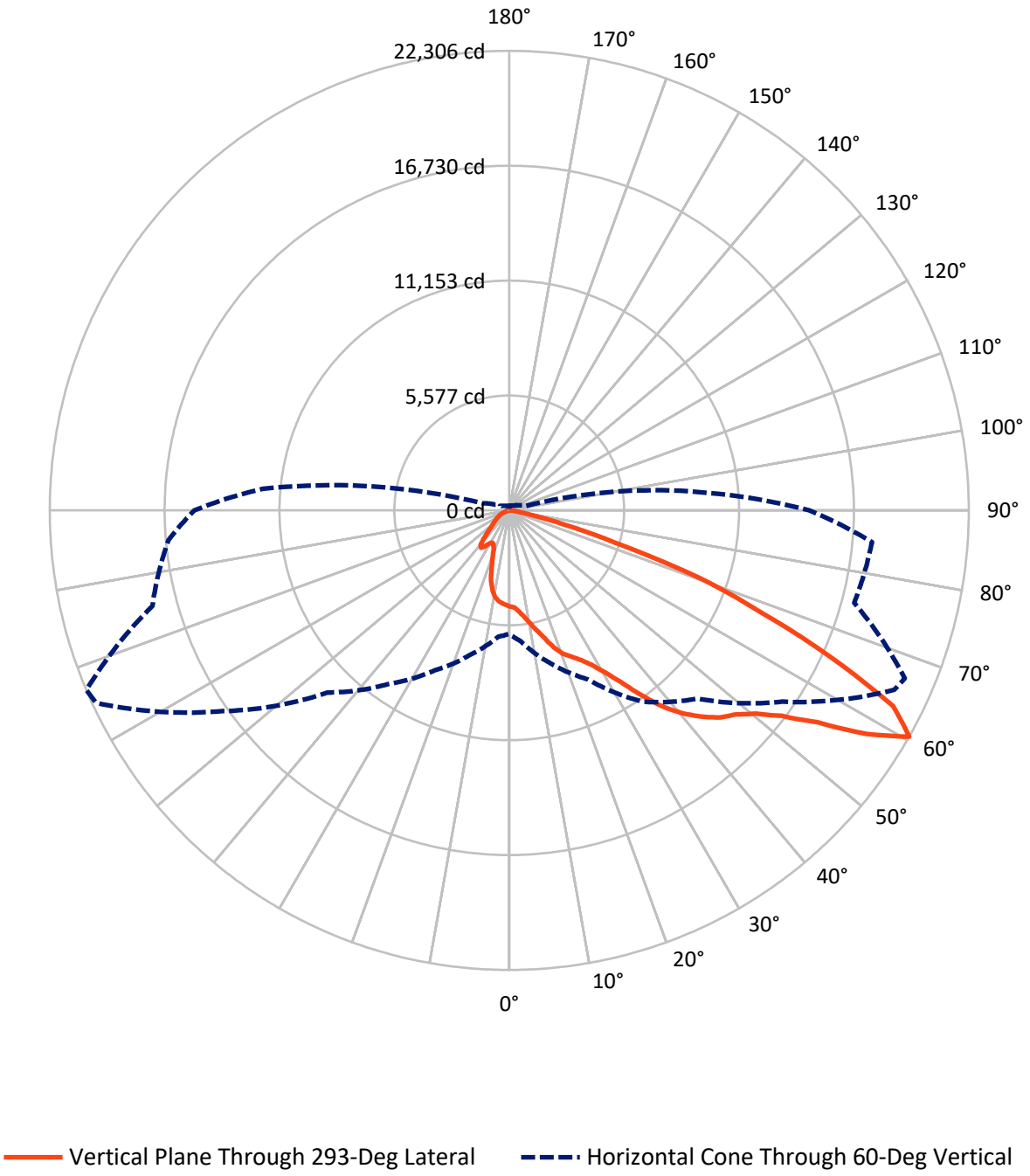
Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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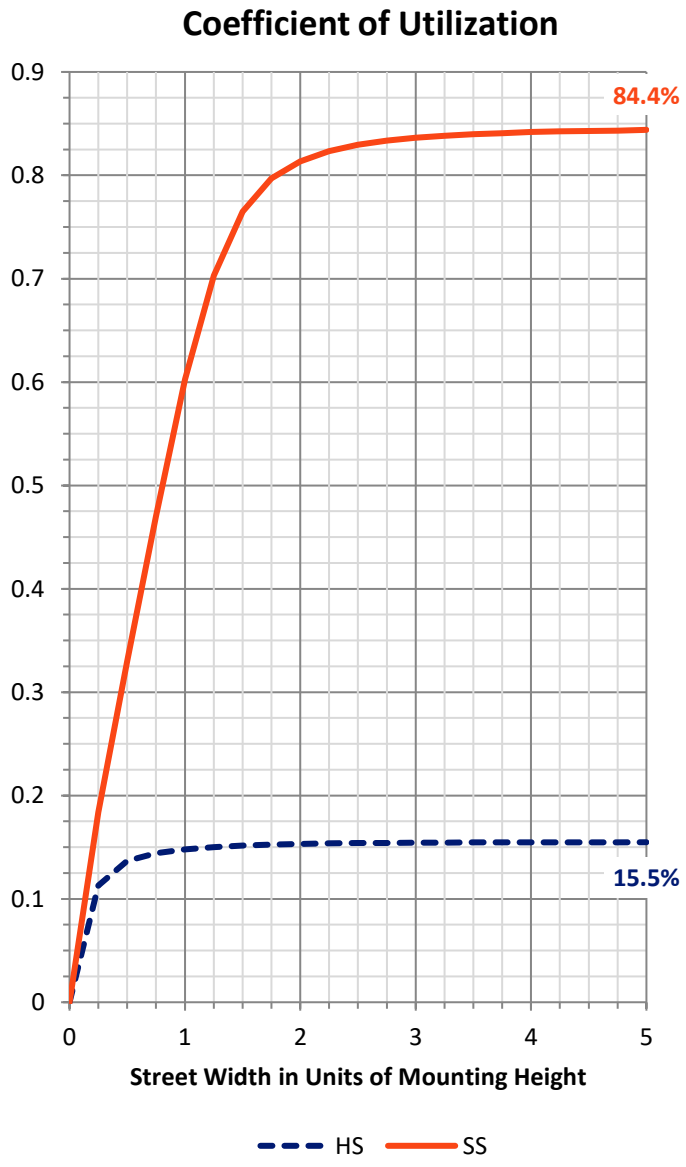
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4244.4	0.0	4244.4
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	22958.9	0.0	22958.9
	% Fixture	84.4	0.0	84.4
Total	Lumens	27203.2	0.0	27203.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.1	1.6
10°-20°	1063.3	3.9
20°-30°	1984.9	7.3
30°-40°	3936.2	14.5
40°-50°	6275.8	23.1
50°-60°	7498.0	27.6
60°-70°	4915.4	18.1
70°-80°	1029.8	3.8
80°-90°	77.9	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°	27203.2	100.0
0°-180°	27203.2	100.0



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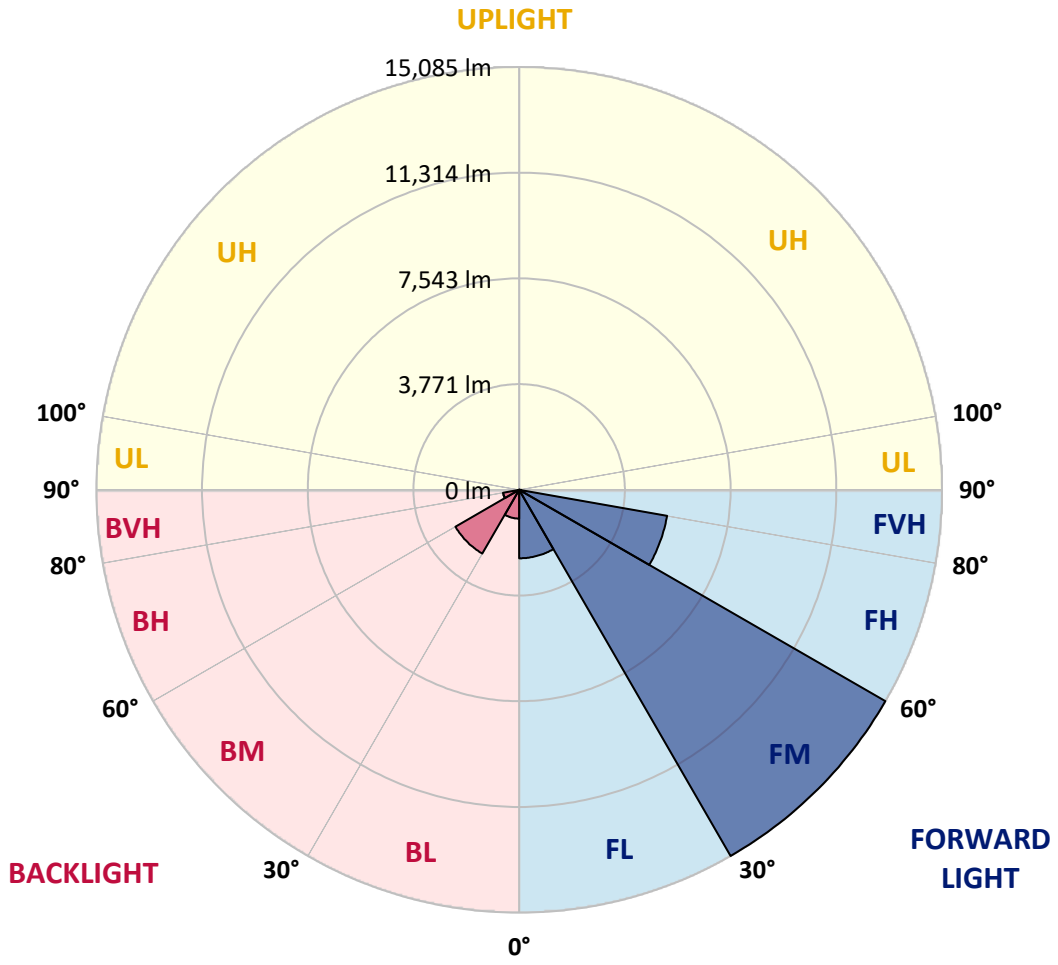
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2443.4	9.0			
FM	(30°-60°)	15085.2	55.5			
FH	(60°-80°)	5358.9	19.7			G3/7500
FVH	(80°-90°)	71.4	0.3			G1/100
BL	(0°-30°)	1026.8	3.8	B3/2500		
BM	(30°-60°)	2624.7	9.6	B3/5000		
BH	(60°-80°)	586.3	2.2	B2/1000		G2/1000
BVH	(80°-90°)	6.5	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°	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4
2.5°	4898.5	4883.3	4860.4	4868.1	4860.4	4830.0	4784.3	4746.2	4776.6	4730.9	4700.5
5°	5043.3	5043.3	5028.0	5028.0	5035.7	5020.4	4989.9	4936.6	4944.2	4906.1	4807.1
7.5°	5043.3	5020.4	5058.5	5096.6	5165.2	5203.3	5218.5	5188.0	5203.3	5127.1	4997.6
10°	4746.2	4730.9	4830.0	4974.7	5172.8	5348.0	5462.3	5469.9	5492.7	5416.6	5264.2
12.5°	4113.8	4083.4	4281.4	4555.7	4959.5	5363.2	5683.2	5805.1	5858.4	5827.9	5614.6
15°	3527.2	3565.3	3702.5	3999.6	4540.5	5157.5	5805.1	6208.9	6285.0	6323.1	6071.7
17.5°	3466.3	3473.9	3519.6	3664.4	4075.8	4822.3	5820.3	6627.9	6734.5	6902.1	6559.3
20°	3633.9	3618.7	3664.4	3710.1	3908.2	4525.2	5675.6	7031.6	7237.3	7595.4	7222.1
22.5°	3946.2	3946.2	3969.1	3999.6	4098.6	4502.4	5614.6	7404.9	7755.4	8486.7	8052.5
25°	4471.9	4411.0	4426.2	4388.1	4471.9	4776.6	5751.8	7702.0	8182.0	9477.1	9042.8
27.5°	5287.1	5309.9	5172.8	4967.1	5012.8	5271.8	6087.0	8037.2	8623.8	10505.5	10048.5
30°	6414.6	6376.5	6292.7	5888.9	5706.1	5934.6	6704.0	8585.7	9218.1	11808.3	11389.3
32.5°	7298.3	7404.9	7260.2	6978.3	6696.4	6765.0	7572.5	9469.5	9941.8	13004.3	12775.8
35°	8364.8	8364.8	8395.3	7999.1	7808.7	7793.5	8661.9	10429.4	10901.7	14086.1	14246.1
37.5°	9804.7	9705.6	9538.0	9096.2	8951.4	9141.9	9682.8	11419.7	11930.2	14962.2	15388.8
40°	11016.0	11084.5	11061.7	10421.7	10139.9	10345.6	10825.5	12265.4	12661.5	15526.0	16310.6
42.5°	12204.4	12242.5	12143.5	11838.7	11427.4	11442.6	11838.7	12905.3	13309.1	16066.9	17179.1
45°	13095.7	13088.1	13019.6	12943.4	12699.6	12448.2	12516.8	13613.8	13964.2	16242.1	17651.4
47.5°	13377.6	13438.6	13499.5	13712.8	13880.4	13484.3	13133.8	13994.7	14314.7	16211.6	17826.7
50°	13118.6	13248.1	13545.2	13865.2	14436.6	14406.1	13651.9	14406.1	14718.4	16379.2	18032.4
52.5°	12539.6	12669.1	13065.3	13644.3	14505.1	14931.7	14611.8	15099.3	15465.0	16805.8	18459.0
55°	11191.2	11244.5	12059.7	12821.5	14162.3	14703.2	15640.2	16272.5	16577.3	17323.9	19022.7
57.5°	9111.4	9240.9	10040.8	11282.6	13202.4	14101.4	16226.8	18276.1	18268.5	17819.0	19144.6
60°	*5995.5*	*6376.5*	*7679.2*	*9050.5*	*11343.5*	*12920.5*	*16188.7*	*20622.6*	*20858.7*	*17331.5*	*17674.3*
62.5°	4578.6	4738.5	5477.5	6620.2	8395.3	10711.2	15937.3	21323.4	21506.3	16021.1	15472.6
65°	3443.4	3641.5	4350.0	5370.9	5927.0	7260.2	14291.8	18535.2	18786.6	14299.4	12029.2
67.5°	2110.3	2270.2	3214.9	4411.0	4487.1	4510.0	9644.7	14040.4	14131.8	11534.0	8098.2
70°	1409.4	1569.4	2224.5	3390.1	3573.0	2597.8	5294.7	10627.4	10619.8	7892.5	4921.4
72.5°	815.2	891.3	1409.4	2498.8	2811.1	1653.2	2643.5	6757.4	6460.3	3710.1	2300.7
75°	464.7	518.0	777.1	1607.4	1973.1	1051.3	1043.7	3618.7	3199.7	1912.2	1257.0
77.5°	281.9	304.7	426.6	1051.3	1188.4	708.5	579.0	1683.6	1622.7	1119.9	662.8
80°	137.1	160.0	259.0	617.1	761.8	380.9	350.4	662.8	708.5	617.1	350.4
82.5°	45.7	60.9	144.7	236.2	495.2	152.4	144.7	365.7	388.5	365.7	167.6
85°	22.9	30.5	68.6	76.2	190.5	76.2	53.3	160.0	198.1	121.9	68.6
87.5°	0.0	7.6	7.6	7.6	7.6	7.6	7.6	15.2	15.2	15.2	15.2
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°	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4
2.5°	4677.6	4662.4	4631.9	4578.6	4570.9	4532.8	4471.9	4433.8	4403.3	4426.2	4433.8
5°	4761.4	4723.3	4631.9	4487.1	4334.8	4182.4	4037.7	3870.1	3755.8	3740.6	3710.1
7.5°	4913.8	4837.6	4639.5	4357.6	3969.1	3603.4	3176.8	2765.4	2559.7	2529.3	2460.7
10°	5157.5	5028.0	4700.5	4129.1	3382.5	2620.7	1973.1	1531.3	1279.9	1234.2	1249.4
12.5°	5447.0	5264.2	4708.1	3740.6	2575.0	1622.7	1119.9	952.3	899.0	876.1	876.1
15°	5820.3	5553.7	4700.5	3237.7	1737.0	1043.7	899.0	830.4	807.5	792.3	792.3
17.5°	6292.7	5942.2	4647.1	2483.5	1173.2	906.6	822.8	769.4	739.0	731.4	731.4
20°	6848.8	6376.5	4525.2	1851.2	982.8	845.6	777.1	708.5	685.6	670.4	670.4
22.5°	7557.3	6902.1	4289.1	1439.8	929.4	807.5	731.4	655.2	632.3	617.1	617.1
25°	8380.1	7572.5	3976.7	1295.1	921.8	777.1	685.6	609.5	586.6	579.0	571.4
27.5°	9355.2	8288.6	3687.2	1302.7	937.0	754.2	639.9	571.4	548.5	525.7	533.3
30°	10505.5	9027.6	3451.1	1394.1	952.3	731.4	609.5	548.5	525.7	495.2	495.2
32.5°	11640.7	9896.1	3428.2	1561.7	1005.6	716.1	579.0	518.0	495.2	472.3	472.3
35°	12806.3	10688.4	3557.7	1782.7	1112.3	693.3	540.9	487.6	464.7	449.5	441.9
37.5°	13918.5	11320.7	3679.6	1919.8	1051.3	594.2	495.2	449.5	426.6	396.1	396.1
40°	14657.5	11663.5	3702.5	1813.1	868.5	533.3	449.5	403.8	373.3	358.1	350.4
42.5°	15198.4	11884.4	3443.4	1470.3	754.2	487.6	411.4	365.7	342.8	327.6	327.6
45°	15419.3	11808.3	3001.6	1119.9	693.3	449.5	373.3	335.2	320.0	304.7	304.7
47.5°	15388.8	11457.8	2552.1	899.0	632.3	411.4	350.4	320.0	304.7	289.5	281.9
50°	15335.5	11130.2	2095.0	799.9	563.7	388.5	327.6	304.7	281.9	266.6	259.0
52.5°	15685.9	11023.6	1737.0	731.4	525.7	373.3	320.0	289.5	266.6	251.4	251.4
55°	16036.4	11069.3	1363.7	685.6	487.6	365.7	312.3	281.9	259.0	236.2	236.2
57.5°	16013.5	10871.2	1036.1	639.9	457.1	358.1	304.7	274.3	236.2	220.9	220.9
60°	*14558.4*	*9698.0*	*807.5*	*586.6*	*419.0*	*335.2*	*281.9*	*259.0*	*220.9*	*198.1*	*198.1*
62.5°	12311.1	7625.9	662.8	518.0	373.3	304.7	259.0	236.2	198.1	160.0	160.0
65°	9096.2	5500.4	533.3	449.5	342.8	266.6	236.2	205.7	160.0	129.5	121.9
67.5°	6155.5	3382.5	426.6	373.3	304.7	228.5	198.1	175.2	144.7	106.7	99.0
70°	3649.1	1797.9	312.3	259.0	228.5	167.6	167.6	152.4	121.9	91.4	83.8
72.5°	1737.0	624.7	228.5	190.5	175.2	121.9	129.5	129.5	99.0	68.6	60.9
75°	883.7	304.7	152.4	137.1	114.3	91.4	106.7	99.0	68.6	45.7	45.7
77.5°	502.8	213.3	106.7	91.4	76.2	60.9	68.6	60.9	38.1	22.9	22.9
80°	281.9	152.4	68.6	60.9	45.7	38.1	38.1	30.5	22.9	7.6	7.6
82.5°	106.7	91.4	45.7	30.5	22.9	22.9	15.2	15.2	7.6	0.0	0.0
85°	45.7	22.9	22.9	15.2	15.2	7.6	7.6	7.6	0.0	0.0	0.0
87.5°	7.6	7.6	7.6	7.6	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°	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4
2.5°	4372.9	4388.1	4403.3	4464.3	4479.5	4525.2	4563.3	4609.0	4616.6	4677.6	4677.6
5°	3771.0	3763.4	3892.9	4083.4	4205.3	4372.9	4502.4	4639.5	4715.7	4814.7	4860.4
7.5°	2498.8	2689.2	2978.7	3313.9	3748.2	4151.9	4456.7	4723.3	4906.1	5020.4	5066.1
10°	1241.8	1348.4	1653.2	2201.7	2940.6	3763.4	4411.0	4906.1	5203.3	5332.8	5416.6
12.5°	876.1	899.0	952.3	1249.4	1957.9	3123.5	4266.2	5104.2	5515.6	5759.4	5866.0
15°	784.7	799.9	822.8	906.6	1211.3	2331.2	4007.2	5325.1	6003.2	6285.0	6422.2
17.5°	723.7	731.4	754.2	822.8	952.3	1584.6	3588.2	5561.3	6589.8	6932.6	7191.6
20°	670.4	670.4	693.3	777.1	883.7	1218.9	2986.3	5827.9	7336.4	7831.5	8090.6
22.5°	609.5	624.7	639.9	731.4	860.9	1112.3	2422.6	6033.6	8166.7	8768.6	9073.3
25°	563.7	579.0	594.2	685.6	838.0	1112.3	2095.0	6163.2	9096.2	9812.3	10231.3
27.5°	525.7	540.9	563.7	655.2	815.2	1158.0	1965.5	6201.2	10109.4	11038.8	11602.6
30°	495.2	510.4	533.3	632.3	830.4	1211.3	2011.2	6147.9	11137.9	12303.4	12973.9
32.5°	464.7	479.9	502.8	609.5	830.4	1279.9	2163.6	6041.3	12135.8	13568.1	14390.8
35°	441.9	449.5	457.1	548.5	754.2	1272.2	2354.0	5934.6	13141.5	14817.5	15777.4
37.5°	396.1	403.8	419.0	472.3	601.8	1158.0	2392.1	5805.1	13933.7	15868.8	16927.7
40°	350.4	365.7	380.9	434.2	502.8	937.0	2224.5	5530.8	14352.8	16676.3	17963.8
42.5°	320.0	327.6	342.8	396.1	464.7	746.6	1866.5	5050.9	14726.0	17224.8	18718.0
45°	297.1	304.7	320.0	358.1	434.2	647.5	1470.3	4464.3	14756.5	17400.0	19083.7
47.5°	274.3	281.9	289.5	327.6	419.0	579.0	1127.5	3931.0	14748.9	17628.6	19396.0
50°	259.0	266.6	281.9	312.3	396.1	518.0	929.4	3496.8	15068.9	18123.8	20028.3
52.5°	251.4	251.4	274.3	304.7	373.3	472.3	777.1	3108.2	15236.5	18611.3	20485.4
55°	236.2	243.8	259.0	289.5	350.4	449.5	662.8	2620.7	15312.6	18855.1	20569.2
57.5°	220.9	228.5	251.4	274.3	335.2	426.6	571.4	1957.9	14223.2	17582.9	19167.5
60°	*198.1*	*213.3*	*243.8*	*266.6*	*312.3*	*388.5*	*502.8*	*1325.6*	*11998.7*	*15282.2*	*16607.7*
62.5°	160.0	190.5	220.9	236.2	281.9	327.6	426.6	883.7	9583.7	12646.3	14154.7
65°	121.9	160.0	182.8	205.7	236.2	274.3	358.1	601.8	6391.7	8509.6	10208.4
67.5°	106.7	137.1	152.4	167.6	198.1	236.2	289.5	419.0	3877.7	5111.8	6787.8
70°	83.8	114.3	129.5	121.9	152.4	182.8	205.7	281.9	1980.7	2773.0	3862.4
72.5°	60.9	91.4	99.0	99.0	91.4	129.5	152.4	198.1	860.9	1348.4	1752.2
75°	45.7	60.9	68.6	60.9	53.3	83.8	106.7	129.5	563.7	807.5	1020.8
77.5°	22.9	22.9	38.1	38.1	22.9	45.7	53.3	76.2	320.0	472.3	586.6
80°	7.6	0.0	0.0	7.6	0.0	15.2	22.9	38.1	167.6	251.4	365.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	83.8	76.2	190.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	45.7
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: P1501775
CATALOG NUMBER: GSS-SB5C-727-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4
2.5°	4715.7	4715.7	4746.2	4791.9	4814.7	4830.0	4837.6	4852.8	4913.8	4898.5
5°	4913.8	4929.0	4951.9	4997.6	5050.9	5035.7	5035.7	5035.7	5073.7	5043.3
7.5°	5172.8	5218.5	5226.1	5279.4	5241.3	5165.2	5119.5	5050.9	5043.3	5043.3
10°	5591.8	5576.5	5576.5	5508.0	5370.9	5149.9	4951.9	4814.7	4738.5	4746.2
12.5°	6041.3	5980.3	5987.9	5736.5	5348.0	4860.4	4456.7	4159.6	4136.7	4113.8
15°	6597.4	6437.4	6406.9	5827.9	5005.2	4258.6	3862.4	3626.3	3550.1	3527.2
17.5°	7389.7	6985.9	6841.2	5668.0	4555.7	3885.3	3588.2	3481.5	3473.9	3466.3
20°	8227.7	7427.8	7153.5	5431.8	4403.3	3892.9	3672.0	3641.5	3626.3	3633.9
22.5°	9202.8	7709.7	7359.2	5469.9	4540.5	4144.3	3969.1	3946.2	3931.0	3946.2
25°	10208.4	8037.2	7603.0	5774.6	4951.9	4609.0	4403.3	4357.6	4403.3	4471.9
27.5°	11221.7	8479.1	8082.9	6376.5	5614.6	5241.3	5043.3	5210.9	5279.4	5287.1
30°	12120.6	9096.2	8730.5	7222.1	6368.8	5995.5	6033.6	6247.0	6330.8	6414.6
32.5°	12943.4	9918.9	9637.1	8182.0	7344.0	7123.0	7100.2	7260.2	7351.6	7298.3
35°	13773.8	10993.1	10718.9	9225.7	8540.0	8357.2	8166.7	8479.1	8448.6	8364.8
37.5°	14558.4	12074.9	11823.5	10345.6	9637.1	9317.1	9286.6	9568.5	9819.9	9804.7
40°	15122.2	12951.0	12646.3	11457.8	10787.4	10513.2	10673.1	11160.7	11099.8	11016.0
42.5°	15640.2	13697.6	13423.3	12433.0	11732.1	11854.0	11998.7	12326.3	12288.2	12204.4
45°	15884.0	14337.5	14101.4	13171.9	12829.1	13217.6	13210.0	13331.9	13126.2	13095.7
47.5°	16226.8	14794.6	14550.8	13834.7	14139.4	14299.4	13849.9	13720.4	13530.0	13377.6
50°	16859.2	15503.1	15259.3	14840.3	15099.3	14604.2	14055.6	13773.8	13385.2	13118.6
52.5°	17598.1	16577.3	16364.0	16196.4	15472.6	14451.8	13750.9	13240.5	12768.2	12539.6
55°	18527.5	18161.9	18009.5	17087.7	15137.4	13827.1	13004.3	12052.0	11404.5	11191.2
57.5°	18832.3	20485.4	20432.1	17232.4	14200.4	12692.0	11206.4	9918.9	9248.5	9111.4
60°	17933.3	22306.2	22115.7	16988.7	12501.5	10299.9	8562.9	7244.9	6155.5	5995.5
62.5°	16783.0	20912.1	20843.5	15762.1	9522.8	7382.1	6399.3	5165.2	4700.5	4578.6
65°	14375.6	17110.6	17141.0	12646.3	6026.0	5302.3	5256.6	4106.2	3534.9	3443.4
67.5°	11069.3	13126.2	12912.9	7953.4	3512.0	4243.4	4197.6	3001.6	2171.2	2110.3
70°	6467.9	9774.2	9431.4	4136.7	2323.6	3542.5	3230.1	2110.3	1477.9	1409.4
72.5°	2856.8	5378.5	5774.6	1820.8	1637.9	2818.7	2331.2	1295.1	830.4	815.2
75°	1584.6	2666.4	2788.3	792.3	1150.4	2003.6	1409.4	723.7	472.3	464.7
77.5°	952.3	1180.8	1150.4	510.4	860.9	1279.9	853.2	411.4	297.1	281.9
80°	533.3	540.9	457.1	373.3	510.4	716.1	479.9	259.0	137.1	137.1
82.5°	327.6	297.1	236.2	114.3	137.1	434.2	175.2	144.7	45.7	45.7
85°	137.1	91.4	60.9	22.9	53.3	114.3	60.9	68.6	22.9	22.9
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

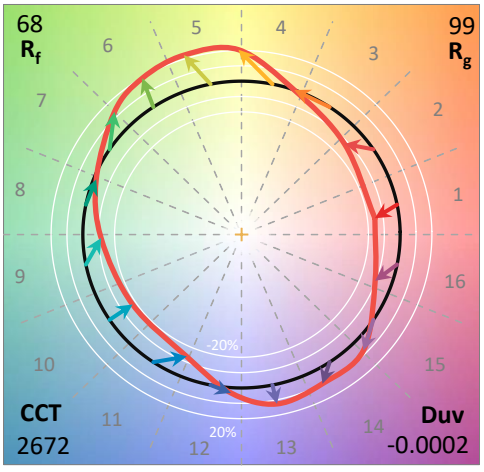
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

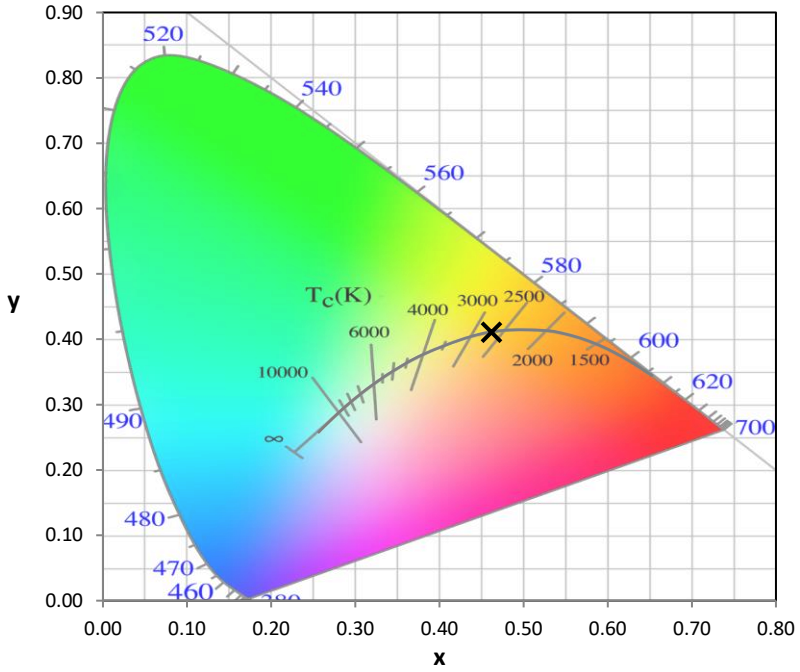
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

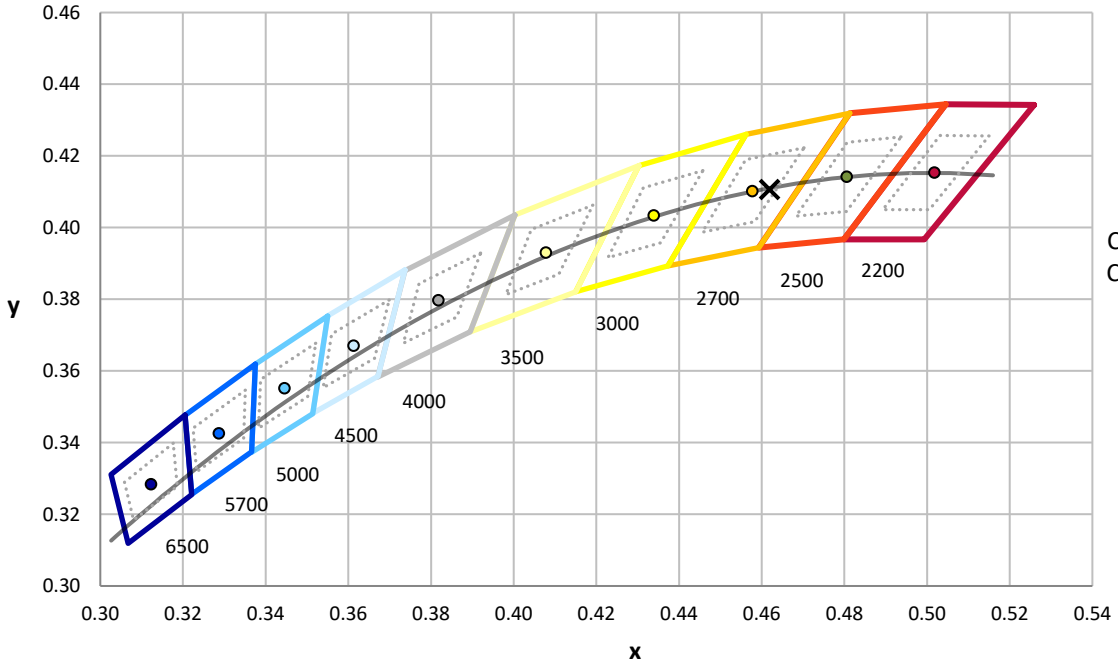
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

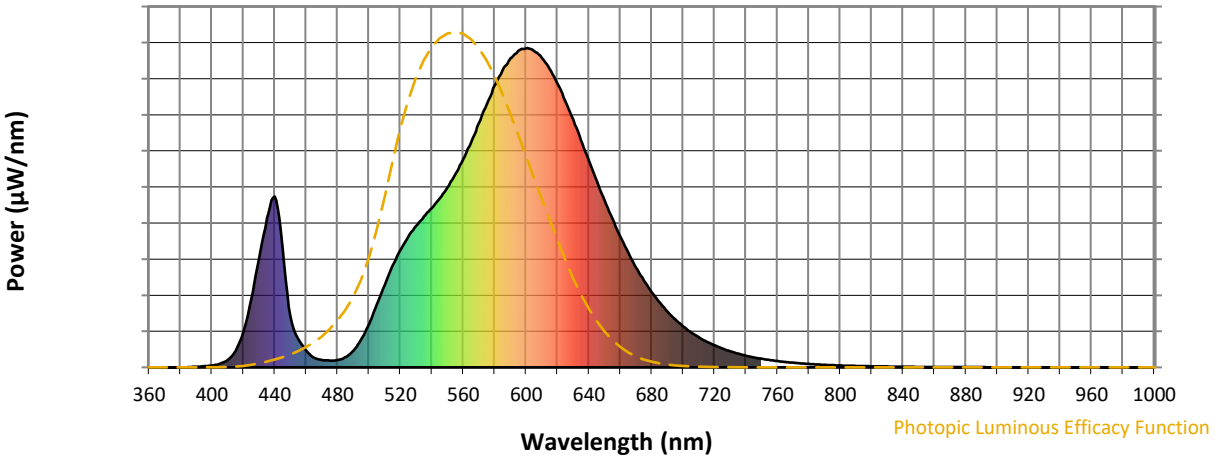


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

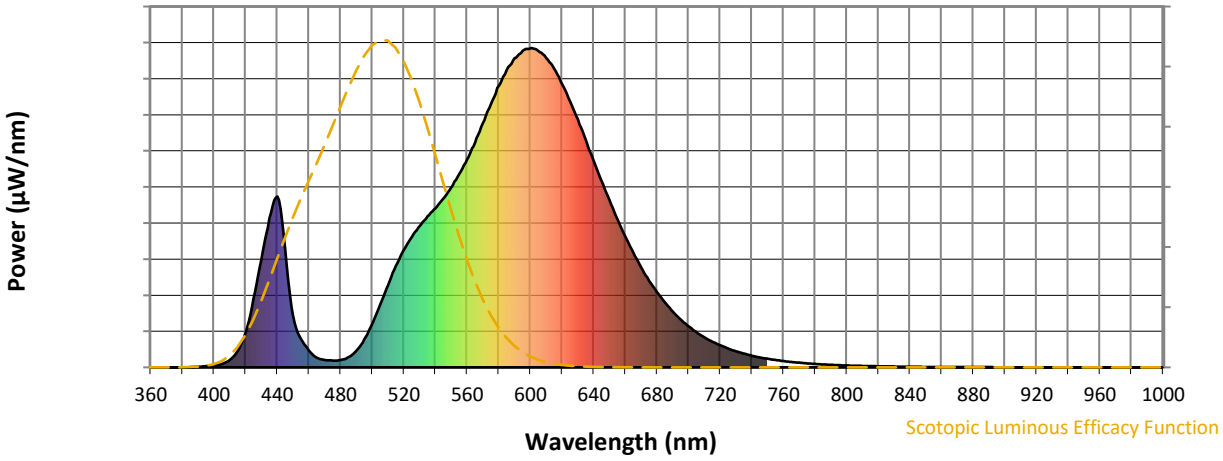


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

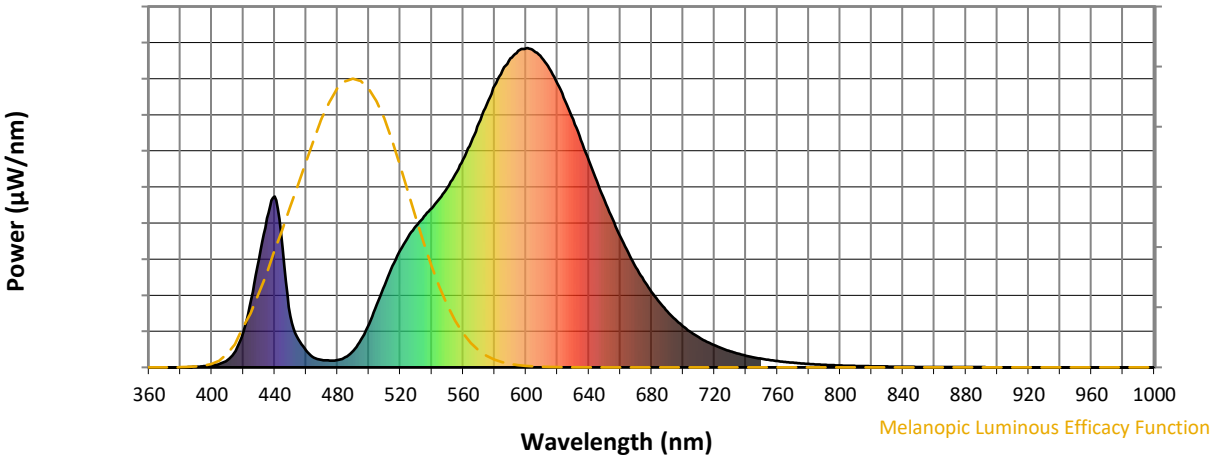


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

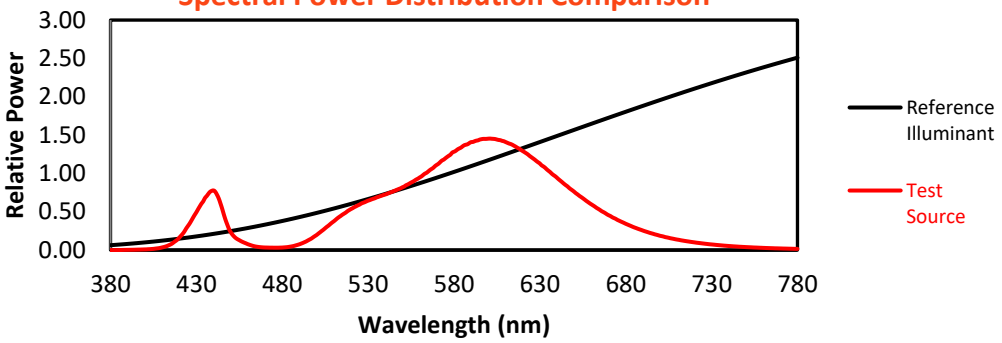
REPORT NUMBER: SP1-2407-184-3

TM-30-18

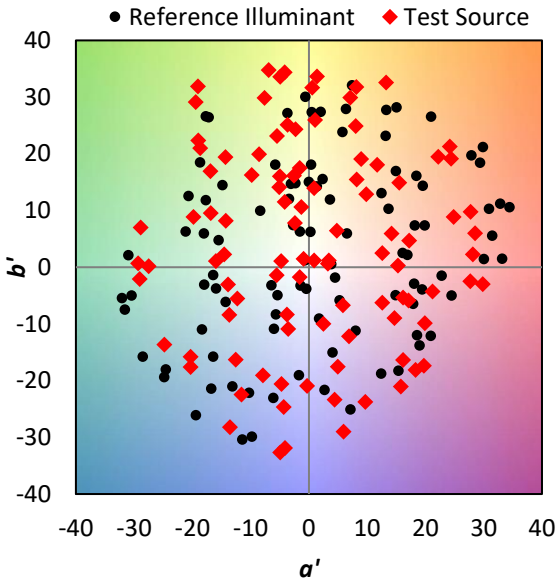
Summary

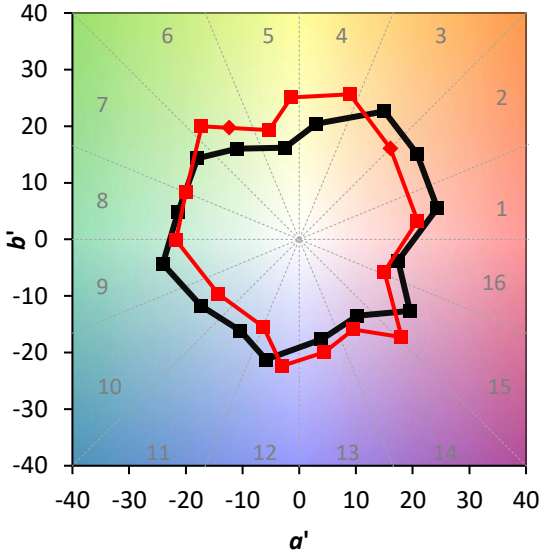
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

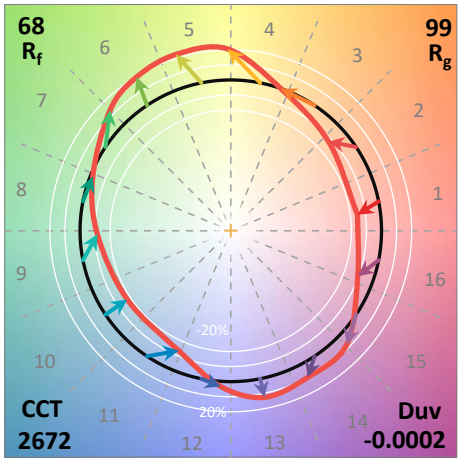
Spectral Power Distribution Comparison

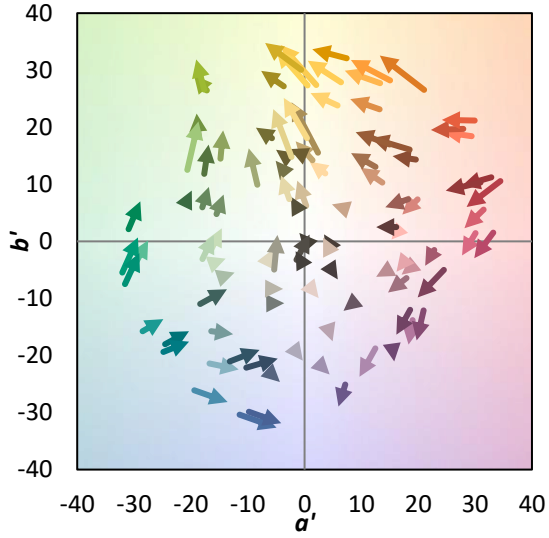


Color Vector Graphics







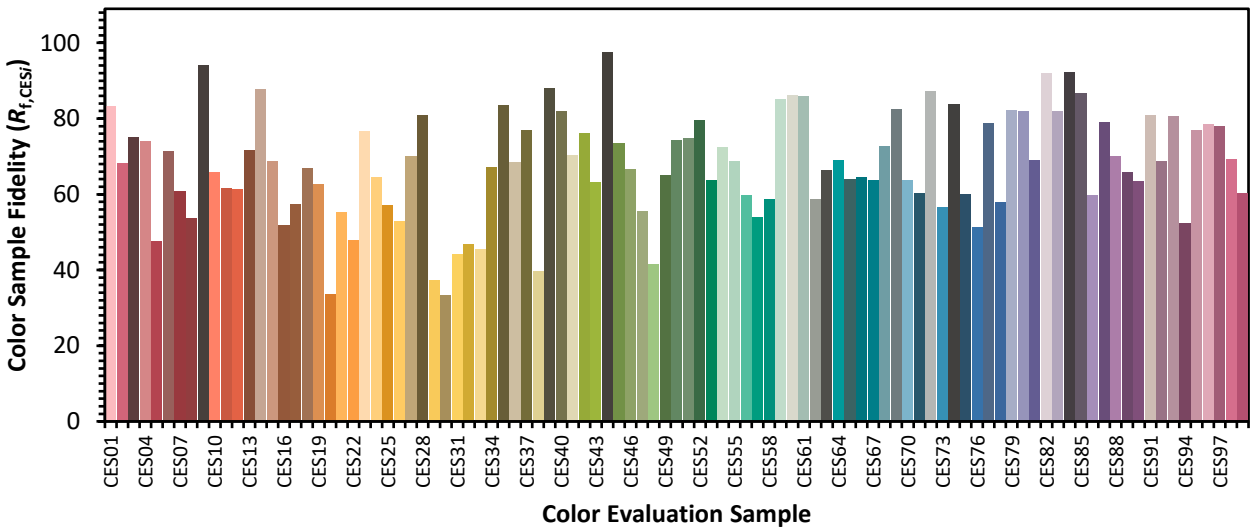


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

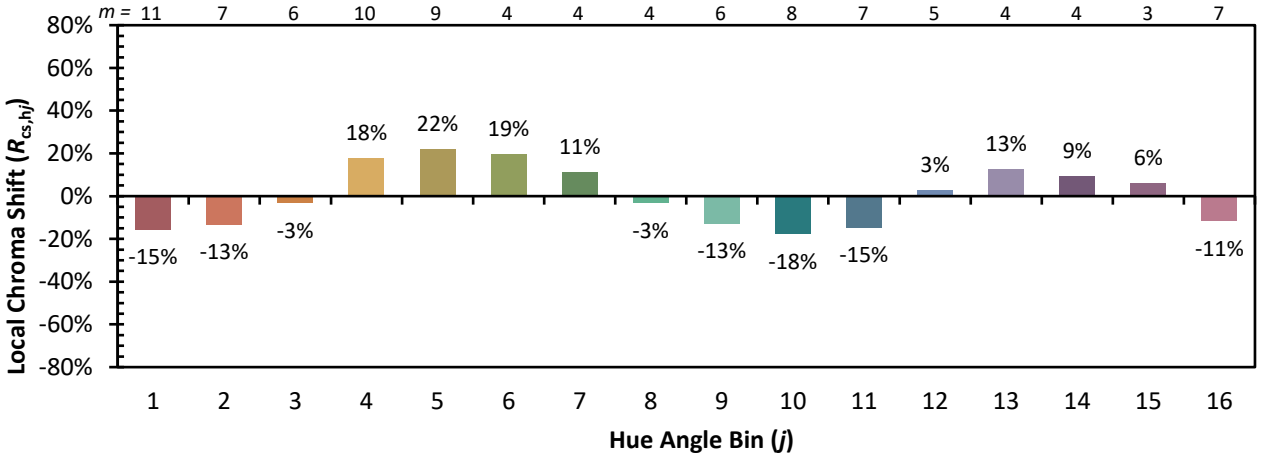
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

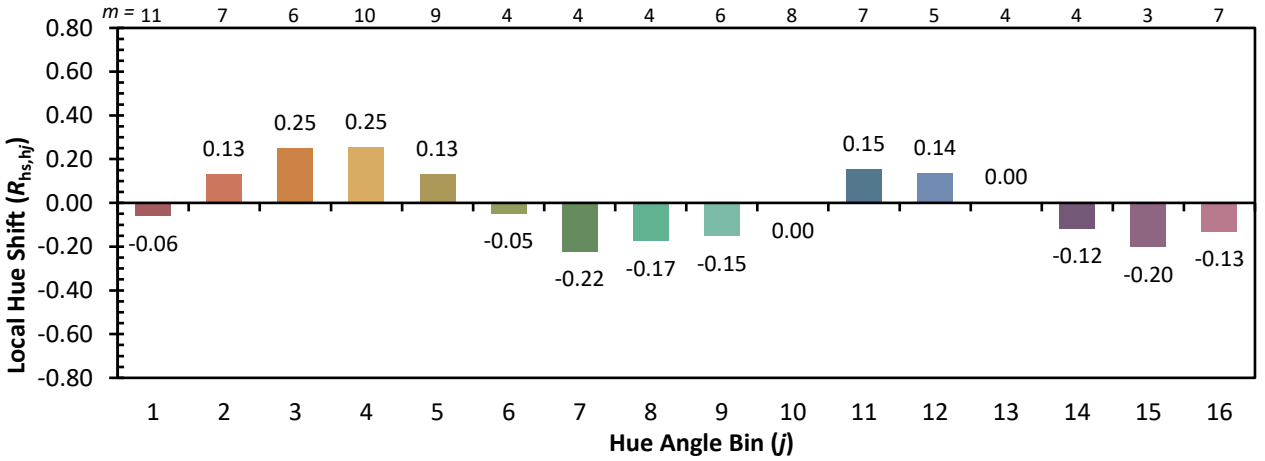


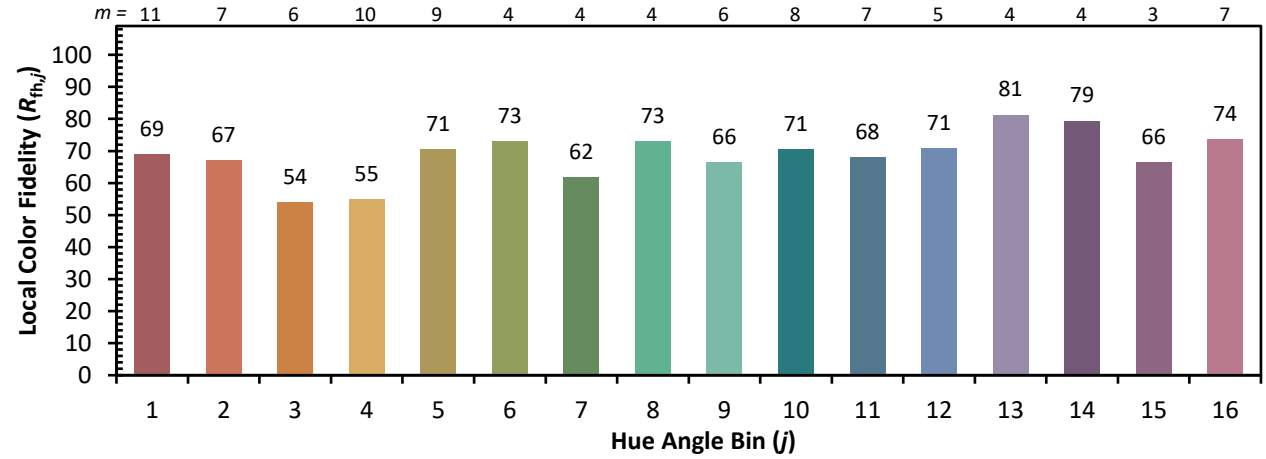
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



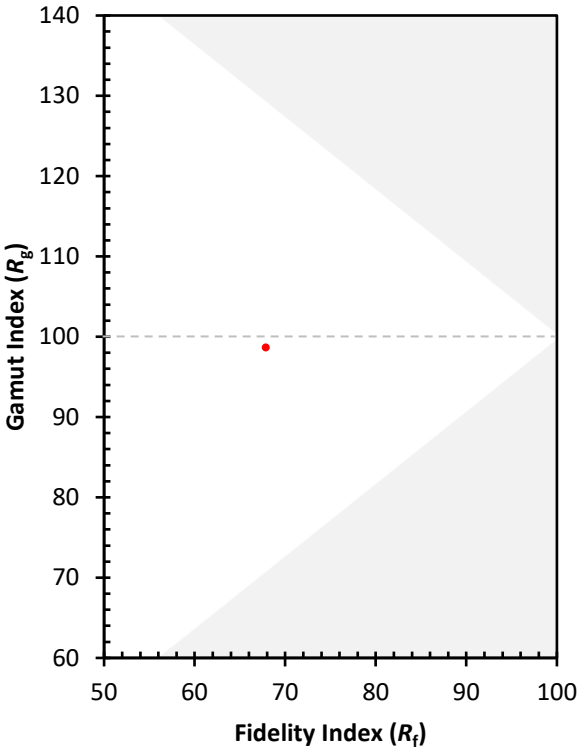


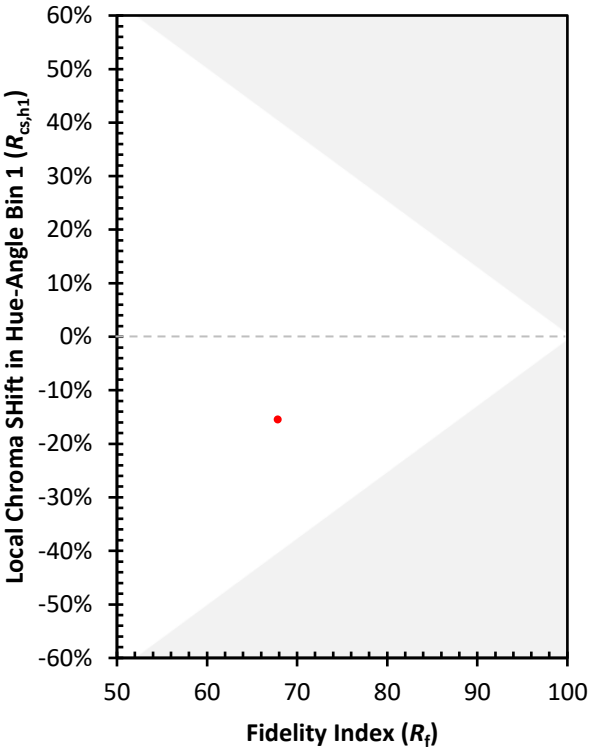


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)