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: P1501982

Luminaire Tested: GSS-SB3B-850-U-T2LG-HSS

Issue Date: 07/20/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501982
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-850-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 80CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 5000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12242.8 lumens
Efficiency:	N/A
Efficacy:	112.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

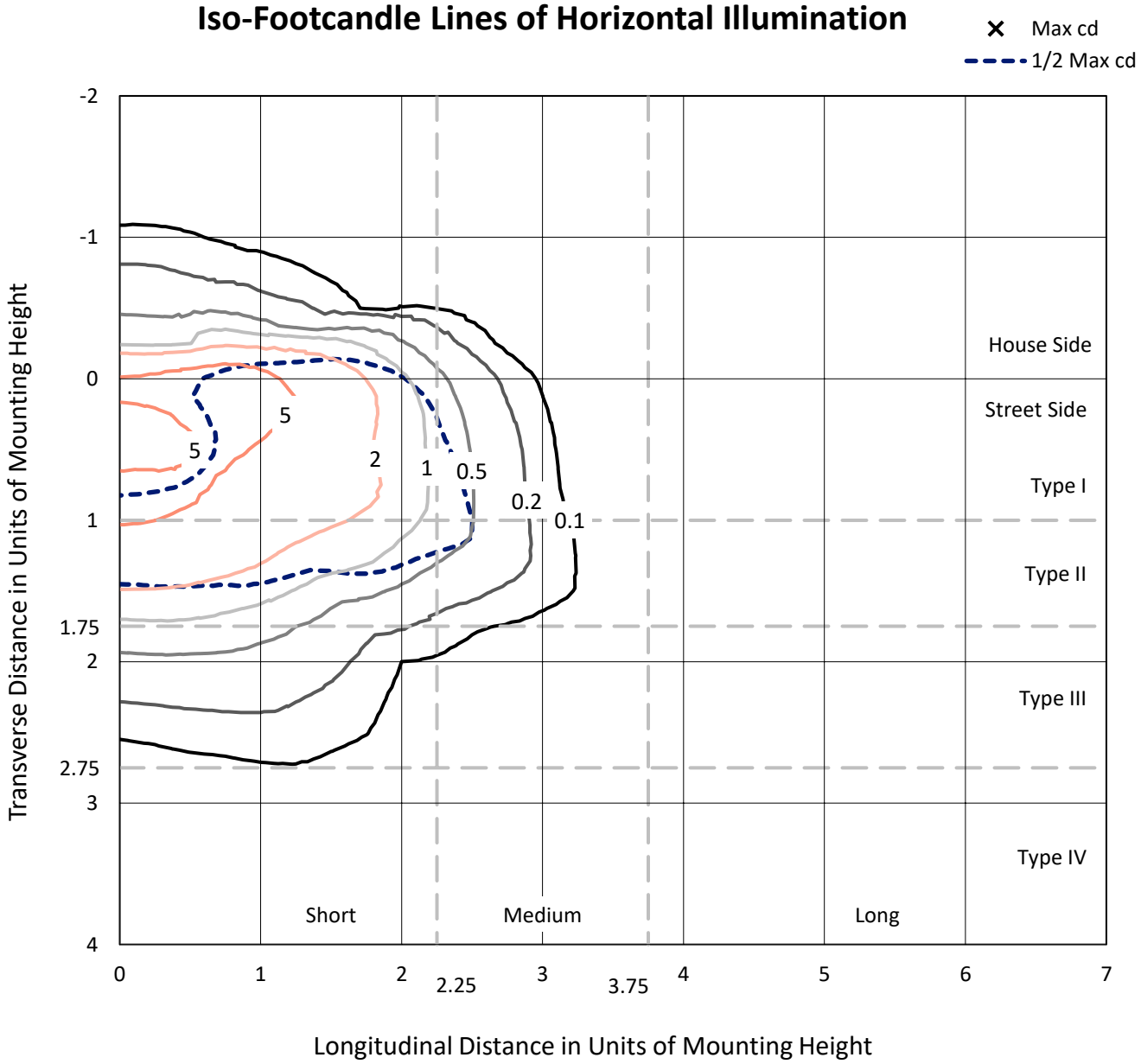
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



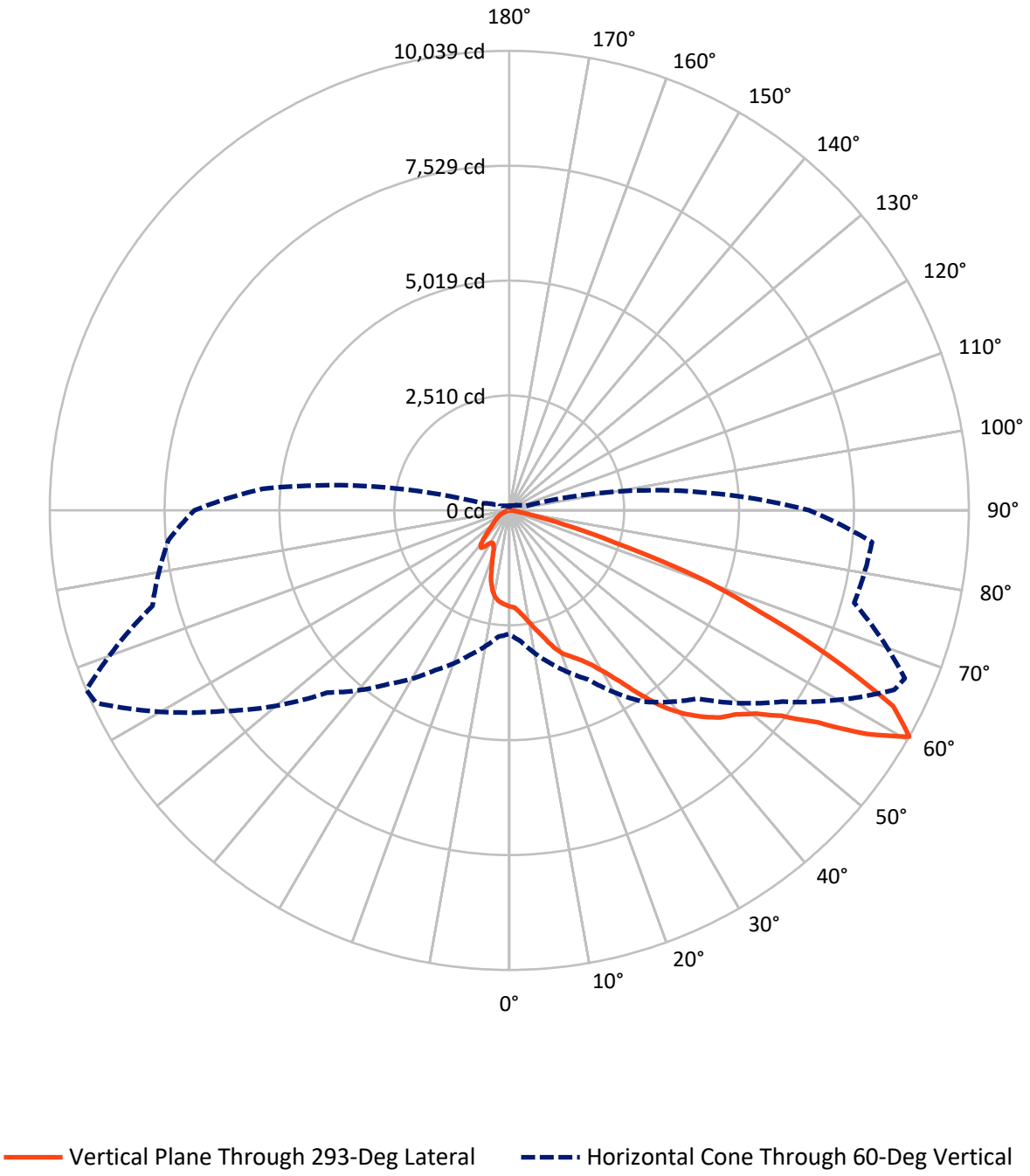
Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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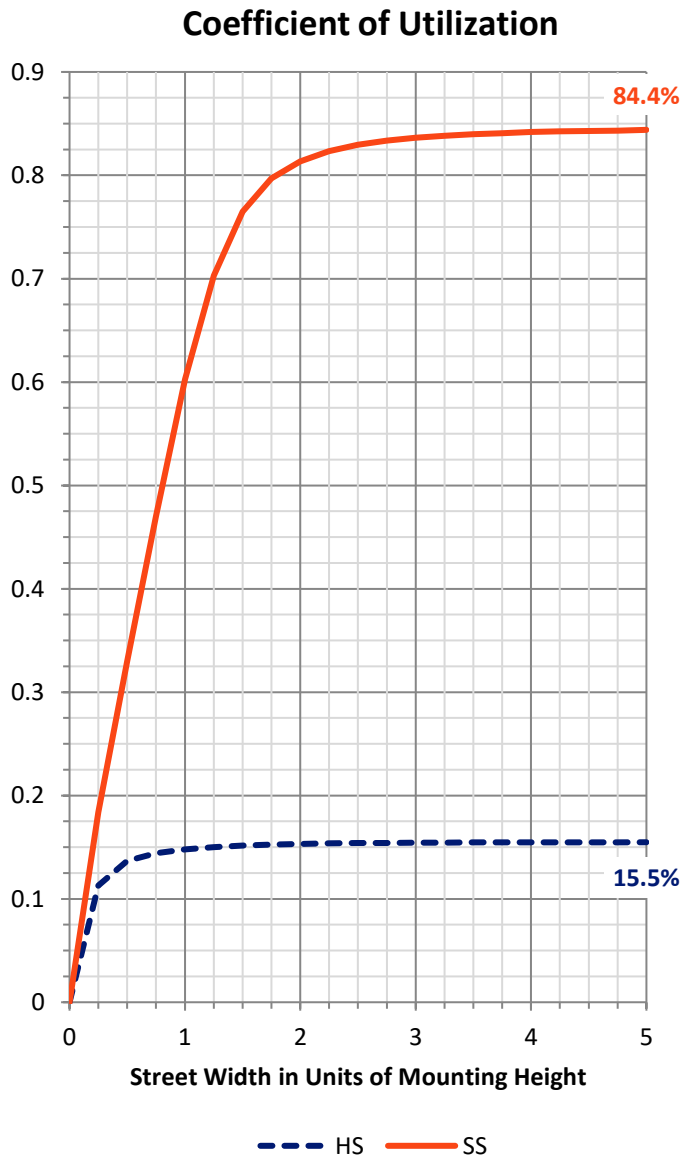
REPORT NUMBER: P1501982
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1910.2	0.0	1910.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	10332.6	0.0	10332.6
	% Fixture	84.4	0.0	84.4
Total	Lumens	12242.8	0.0	12242.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.0	1.6
10°-20°	478.5	3.9
20°-30°	893.3	7.3
30°-40°	1771.5	14.5
40°-50°	2824.4	23.1
50°-60°	3374.4	27.6
60°-70°	2212.1	18.1
70°-80°	463.5	3.8
80°-90°	35.1	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°	12242.8	100.0
0°-180°	12242.8	100.0



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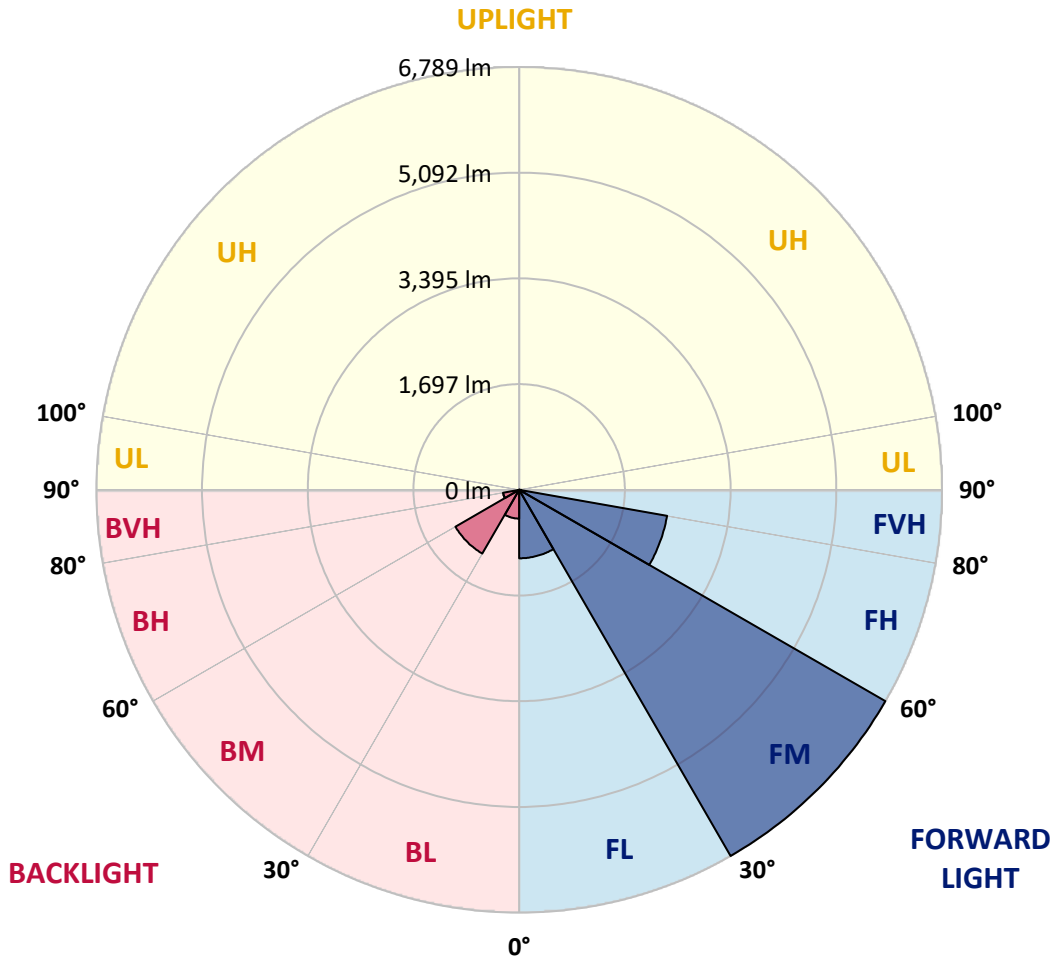
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1099.7	9.0			
FM	(30°-60°)	6789.1	55.5			
FH	(60°-80°)	2411.7	19.7			G2/5000
FVH	(80°-90°)	32.1	0.3			G1/100
BL	(0°-30°)	462.1	3.8	B1/500		
BM	(30°-60°)	1181.2	9.6	B2/2500		
BH	(60°-80°)	263.9	2.2	B1/500		G1/500
BVH	(80°-90°)	2.9	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°	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3
2.5°	2204.6	2197.7	2187.4	2190.9	2187.4	2173.7	2153.1	2136.0	2149.7	2129.1	2115.4
5°	2269.7	2269.7	2262.9	2262.9	2266.3	2259.4	2245.7	2221.7	2225.1	2208.0	2163.4
7.5°	2269.7	2259.4	2276.6	2293.7	2324.6	2341.7	2348.6	2334.9	2341.7	2307.4	2249.1
10°	2136.0	2129.1	2173.7	2238.9	2328.0	2406.9	2458.3	2461.7	2472.0	2437.7	2369.1
12.5°	1851.4	1837.7	1926.9	2050.3	2232.0	2413.7	2557.7	2612.6	2636.6	2622.9	2526.9
15°	1587.4	1604.6	1666.3	1800.0	2043.4	2321.1	2612.6	2794.3	2828.6	2845.7	2732.6
17.5°	1560.0	1563.4	1584.0	1649.1	1834.3	2170.3	2619.4	2982.9	3030.9	3106.3	2952.0
20°	1635.4	1628.6	1649.1	1669.7	1758.9	2036.6	2554.3	3164.6	3257.1	3418.3	3250.3
22.5°	1776.0	1776.0	1786.3	1800.0	1844.6	2026.3	2526.9	3332.6	3490.3	3819.4	3624.0
25°	2012.6	1985.1	1992.0	1974.9	2012.6	2149.7	2588.6	3466.3	3682.3	4265.1	4069.7
27.5°	2379.4	2389.7	2328.0	2235.4	2256.0	2372.6	2739.4	3617.1	3881.1	4728.0	4522.3
30°	2886.9	2869.7	2832.0	2650.3	2568.0	2670.9	3017.1	3864.0	4148.6	5314.3	5125.7
32.5°	3284.6	3332.6	3267.4	3140.6	3013.7	3044.6	3408.0	4261.7	4474.3	5852.6	5749.7
35°	3764.6	3764.6	3778.3	3600.0	3514.3	3507.4	3898.3	4693.7	4906.3	6339.4	6411.4
37.5°	4412.6	4368.0	4292.6	4093.7	4028.6	4114.3	4357.7	5139.4	5369.1	6733.7	6925.7
40°	4957.7	4988.6	4978.3	4690.3	4563.4	4656.0	4872.0	5520.0	5698.3	6987.4	7340.6
42.5°	5492.6	5509.7	5465.1	5328.0	5142.9	5149.7	5328.0	5808.0	5989.7	7230.9	7731.4
45°	5893.7	5890.3	5859.4	5825.1	5715.4	5602.3	5633.1	6126.9	6284.6	7309.7	7944.0
47.5°	6020.6	6048.0	6075.4	6171.4	6246.9	6068.6	5910.9	6298.3	6442.3	7296.0	8022.9
50°	5904.0	5962.3	6096.0	6240.0	6497.1	6483.4	6144.0	6483.4	6624.0	7371.4	8115.4
52.5°	5643.4	5701.7	5880.0	6140.6	6528.0	6720.0	6576.0	6795.4	6960.0	7563.4	8307.4
55°	5036.6	5060.6	5427.4	5770.3	6373.7	6617.1	7038.9	7323.4	7460.6	7796.6	8561.1
57.5°	4100.6	4158.9	4518.9	5077.7	5941.7	6346.3	7302.9	8225.1	8221.7	8019.4	8616.0
60°	*2698.3*	*2869.7*	*3456.0*	*4073.1*	*5105.1*	*5814.9*	*7285.7*	*9281.1*	*9387.4*	*7800.0*	*7954.3*
62.5°	2060.6	2132.6	2465.1	2979.4	3778.3	4820.6	7172.6	9596.6	9678.9	7210.3	6963.4
65°	1549.7	1638.9	1957.7	2417.1	2667.4	3267.4	6432.0	8341.7	8454.9	6435.4	5413.7
67.5°	949.7	1021.7	1446.9	1985.1	2019.4	2029.7	4340.6	6318.9	6360.0	5190.9	3644.6
70°	634.3	706.3	1001.1	1525.7	1608.0	1169.1	2382.9	4782.9	4779.4	3552.0	2214.9
72.5°	366.9	401.1	634.3	1124.6	1265.1	744.0	1189.7	3041.1	2907.4	1669.7	1035.4
75°	209.1	233.1	349.7	723.4	888.0	473.1	469.7	1628.6	1440.0	860.6	565.7
77.5°	126.9	137.1	192.0	473.1	534.9	318.9	260.6	757.7	730.3	504.0	298.3
80°	61.7	72.0	116.6	277.7	342.9	171.4	157.7	298.3	318.9	277.7	157.7
82.5°	20.6	27.4	65.1	106.3	222.9	68.6	65.1	164.6	174.9	164.6	75.4
85°	10.3	13.7	30.9	34.3	85.7	34.3	24.0	72.0	89.1	54.9	30.9
87.5°	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.9	6.9	6.9	6.9
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°	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3
2.5°	2105.1	2098.3	2084.6	2060.6	2057.1	2040.0	2012.6	1995.4	1981.7	1992.0	1995.4
5°	2142.9	2125.7	2084.6	2019.4	1950.9	1882.3	1817.1	1741.7	1690.3	1683.4	1669.7
7.5°	2211.4	2177.1	2088.0	1961.1	1786.3	1621.7	1429.7	1244.6	1152.0	1138.3	1107.4
10°	2321.1	2262.9	2115.4	1858.3	1522.3	1179.4	888.0	689.1	576.0	555.4	562.3
12.5°	2451.4	2369.1	2118.9	1683.4	1158.9	730.3	504.0	428.6	404.6	394.3	394.3
15°	2619.4	2499.4	2115.4	1457.1	781.7	469.7	404.6	373.7	363.4	356.6	356.6
17.5°	2832.0	2674.3	2091.4	1117.7	528.0	408.0	370.3	346.3	332.6	329.1	329.1
20°	3082.3	2869.7	2036.6	833.1	442.3	380.6	349.7	318.9	308.6	301.7	301.7
22.5°	3401.1	3106.3	1930.3	648.0	418.3	363.4	329.1	294.9	284.6	277.7	277.7
25°	3771.4	3408.0	1789.7	582.9	414.9	349.7	308.6	274.3	264.0	260.6	257.1
27.5°	4210.3	3730.3	1659.4	586.3	421.7	339.4	288.0	257.1	246.9	236.6	240.0
30°	4728.0	4062.9	1553.1	627.4	428.6	329.1	274.3	246.9	236.6	222.9	222.9
32.5°	5238.9	4453.7	1542.9	702.9	452.6	322.3	260.6	233.1	222.9	212.6	212.6
35°	5763.4	4810.3	1601.1	802.3	500.6	312.0	243.4	219.4	209.1	202.3	198.9
37.5°	6264.0	5094.9	1656.0	864.0	473.1	267.4	222.9	202.3	192.0	178.3	178.3
40°	6596.6	5249.1	1666.3	816.0	390.9	240.0	202.3	181.7	168.0	161.1	157.7
42.5°	6840.0	5348.6	1549.7	661.7	339.4	219.4	185.1	164.6	154.3	147.4	147.4
45°	6939.4	5314.3	1350.9	504.0	312.0	202.3	168.0	150.9	144.0	137.1	137.1
47.5°	6925.7	5156.6	1148.6	404.6	284.6	185.1	157.7	144.0	137.1	130.3	126.9
50°	6901.7	5009.1	942.9	360.0	253.7	174.9	147.4	137.1	126.9	120.0	116.6
52.5°	7059.4	4961.1	781.7	329.1	236.6	168.0	144.0	130.3	120.0	113.1	113.1
55°	7217.1	4981.7	613.7	308.6	219.4	164.6	140.6	126.9	116.6	106.3	106.3
57.5°	7206.9	4892.6	466.3	288.0	205.7	161.1	137.1	123.4	106.3	99.4	99.4
60°	*6552.0*	*4364.6*	*363.4*	*264.0*	*188.6*	*150.9*	*126.9*	*116.6*	*99.4*	*89.1*	*89.1*
62.5°	5540.6	3432.0	298.3	233.1	168.0	137.1	116.6	106.3	89.1	72.0	72.0
65°	4093.7	2475.4	240.0	202.3	154.3	120.0	106.3	92.6	72.0	58.3	54.9
67.5°	2770.3	1522.3	192.0	168.0	137.1	102.9	89.1	78.9	65.1	48.0	44.6
70°	1642.3	809.1	140.6	116.6	102.9	75.4	75.4	68.6	54.9	41.1	37.7
72.5°	781.7	281.1	102.9	85.7	78.9	54.9	58.3	58.3	44.6	30.9	27.4
75°	397.7	137.1	68.6	61.7	51.4	41.1	48.0	44.6	30.9	20.6	20.6
77.5°	226.3	96.0	48.0	41.1	34.3	27.4	30.9	27.4	17.1	10.3	10.3
80°	126.9	68.6	30.9	27.4	20.6	17.1	17.1	13.7	10.3	3.4	3.4
82.5°	48.0	41.1	20.6	13.7	10.3	10.3	6.9	6.9	3.4	0.0	0.0
85°	20.6	10.3	10.3	6.9	6.9	3.4	3.4	3.4	0.0	0.0	0.0
87.5°	3.4	3.4	3.4	3.4	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°	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3
2.5°	1968.0	1974.9	1981.7	2009.1	2016.0	2036.6	2053.7	2074.3	2077.7	2105.1	2105.1
5°	1697.1	1693.7	1752.0	1837.7	1892.6	1968.0	2026.3	2088.0	2122.3	2166.9	2187.4
7.5°	1124.6	1210.3	1340.6	1491.4	1686.9	1868.6	2005.7	2125.7	2208.0	2259.4	2280.0
10°	558.9	606.9	744.0	990.9	1323.4	1693.7	1985.1	2208.0	2341.7	2400.0	2437.7
12.5°	394.3	404.6	428.6	562.3	881.1	1405.7	1920.0	2297.1	2482.3	2592.0	2640.0
15°	353.1	360.0	370.3	408.0	545.1	1049.1	1803.4	2396.6	2701.7	2828.6	2890.3
17.5°	325.7	329.1	339.4	370.3	428.6	713.1	1614.9	2502.9	2965.7	3120.0	3236.6
20°	301.7	301.7	312.0	349.7	397.7	548.6	1344.0	2622.9	3301.7	3524.6	3641.1
22.5°	274.3	281.1	288.0	329.1	387.4	500.6	1090.3	2715.4	3675.4	3946.3	4083.4
25°	253.7	260.6	267.4	308.6	377.1	500.6	942.9	2773.7	4093.7	4416.0	4604.6
27.5°	236.6	243.4	253.7	294.9	366.9	521.1	884.6	2790.9	4549.7	4968.0	5221.7
30°	222.9	229.7	240.0	284.6	373.7	545.1	905.1	2766.9	5012.6	5537.1	5838.9
32.5°	209.1	216.0	226.3	274.3	373.7	576.0	973.7	2718.9	5461.7	6106.3	6476.6
35°	198.9	202.3	205.7	246.9	339.4	572.6	1059.4	2670.9	5914.3	6668.6	7100.6
37.5°	178.3	181.7	188.6	212.6	270.9	521.1	1076.6	2612.6	6270.9	7141.7	7618.3
40°	157.7	164.6	171.4	195.4	226.3	421.7	1001.1	2489.1	6459.4	7505.1	8084.6
42.5°	144.0	147.4	154.3	178.3	209.1	336.0	840.0	2273.1	6627.4	7752.0	8424.0
45°	133.7	137.1	144.0	161.1	195.4	291.4	661.7	2009.1	6641.1	7830.9	8588.6
47.5°	123.4	126.9	130.3	147.4	188.6	260.6	507.4	1769.1	6637.7	7933.7	8729.1
50°	116.6	120.0	126.9	140.6	178.3	233.1	418.3	1573.7	6781.7	8156.6	9013.7
52.5°	113.1	113.1	123.4	137.1	168.0	212.6	349.7	1398.9	6857.1	8376.0	9219.4
55°	106.3	109.7	116.6	130.3	157.7	202.3	298.3	1179.4	6891.4	8485.7	9257.1
57.5°	99.4	102.9	113.1	123.4	150.9	192.0	257.1	881.1	6401.1	7913.1	8626.3
60°	*89.1*	*96.0*	*109.7*	*120.0*	*140.6*	*174.9*	*226.3*	*596.6*	*5400.0*	*6877.7*	*7474.3*
62.5°	72.0	85.7	99.4	106.3	126.9	147.4	192.0	397.7	4313.1	5691.4	6370.3
65°	54.9	72.0	82.3	92.6	106.3	123.4	161.1	270.9	2876.6	3829.7	4594.3
67.5°	48.0	61.7	68.6	75.4	89.1	106.3	130.3	188.6	1745.1	2300.6	3054.9
70°	37.7	51.4	58.3	54.9	68.6	82.3	92.6	126.9	891.4	1248.0	1738.3
72.5°	27.4	41.1	44.6	44.6	41.1	58.3	68.6	89.1	387.4	606.9	788.6
75°	20.6	27.4	30.9	27.4	24.0	37.7	48.0	58.3	253.7	363.4	459.4
77.5°	10.3	10.3	17.1	17.1	10.3	20.6	24.0	34.3	144.0	212.6	264.0
80°	3.4	0.0	0.0	3.4	0.0	6.9	10.3	17.1	75.4	113.1	164.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	37.7	34.3	85.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	20.6
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: P1501982
CATALOG NUMBER: GSS-SB3B-850-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2098.3	*2098.3*	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3	2098.3
2.5°	2122.3	*2122.3*	2136.0	2156.6	2166.9	2173.7	2177.1	2184.0	2211.4	2204.6
5°	2211.4	*2218.3*	2228.6	2249.1	2273.1	2266.3	2266.3	2266.3	2283.4	2269.7
7.5°	2328.0	*2348.6*	2352.0	2376.0	2358.9	2324.6	2304.0	2273.1	2269.7	2269.7
10°	2516.6	*2509.7*	2509.7	2478.9	2417.1	2317.7	2228.6	2166.9	2132.6	2136.0
12.5°	2718.9	*2691.4*	2694.9	2581.7	2406.9	2187.4	2005.7	1872.0	1861.7	1851.4
15°	2969.1	*2897.1*	2883.4	2622.9	2252.6	1916.6	1738.3	1632.0	1597.7	1587.4
17.5°	3325.7	*3144.0*	3078.9	2550.9	2050.3	1748.6	1614.9	1566.9	1563.4	1560.0
20°	3702.9	*3342.9*	3219.4	2444.6	1981.7	1752.0	1652.6	1638.9	1632.0	1635.4
22.5°	4141.7	*3469.7*	3312.0	2461.7	2043.4	1865.1	1786.3	1776.0	1769.1	1776.0
25°	4594.3	*3617.1*	3421.7	2598.9	2228.6	2074.3	1981.7	1961.1	1981.7	2012.6
27.5°	5050.3	*3816.0*	3637.7	2869.7	2526.9	2358.9	2269.7	2345.1	2376.0	2379.4
30°	5454.9	*4093.7*	3929.1	3250.3	2866.3	2698.3	2715.4	2811.4	2849.1	2886.9
32.5°	5825.1	*4464.0*	4337.1	3682.3	3305.1	3205.7	3195.4	3267.4	3308.6	3284.6
35°	6198.9	*4947.4*	4824.0	4152.0	3843.4	3761.1	3675.4	3816.0	3802.3	3764.6
37.5°	6552.0	*5434.3*	5321.1	4656.0	4337.1	4193.1	4179.4	4306.3	4419.4	4412.6
40°	6805.7	*5828.6*	5691.4	5156.6	4854.9	4731.4	4803.4	5022.9	4995.4	4957.7
42.5°	7038.9	*6164.6*	6041.1	5595.4	5280.0	5334.9	5400.0	5547.4	5530.3	5492.6
45°	7148.6	*6452.6*	6346.3	5928.0	5773.7	5948.6	5945.1	6000.0	5907.4	5893.7
47.5°	7302.9	*6658.3*	6548.6	6226.3	6363.4	6435.4	6233.1	6174.9	6089.1	6020.6
50°	7587.4	*6977.1*	6867.4	6678.9	6795.4	6572.6	6325.7	6198.9	6024.0	5904.0
52.5°	7920.0	*7460.6*	7364.6	7289.1	6963.4	6504.0	6188.6	5958.9	5746.3	5643.4
55°	8338.3	*8173.7*	8105.1	7690.3	6812.6	6222.9	5852.6	5424.0	5132.6	5036.6
57.5°	8475.4	*9219.4*	9195.4	7755.4	6390.9	5712.0	5043.4	4464.0	4162.3	4100.6
60°	*8070.9*	*10038.9*	*9953.2*	*7645.7*	*5626.3*	*4635.4*	*3853.7*	*3260.6*	*2770.3*	*2698.3*
62.5°	7553.1	*9411.4*	9380.6	7093.7	4285.7	3322.3	2880.0	2324.6	2115.4	2060.6
65°	6469.7	*7700.6*	7714.3	5691.4	2712.0	2386.3	2365.7	1848.0	1590.9	1549.7
67.5°	4981.7	*5907.4*	5811.4	3579.4	1580.6	1909.7	1889.1	1350.9	977.1	949.7
70°	2910.9	*4398.9*	4244.6	1861.7	1045.7	1594.3	1453.7	949.7	665.1	634.3
72.5°	1285.7	*2420.6*	2598.9	819.4	737.1	1268.6	1049.1	582.9	373.7	366.9
75°	713.1	*1200.0*	1254.9	356.6	517.7	901.7	634.3	325.7	212.6	209.1
77.5°	428.6	*531.4*	517.7	229.7	387.4	576.0	384.0	185.1	133.7	126.9
80°	240.0	*243.4*	205.7	168.0	229.7	322.3	216.0	116.6	61.7	61.7
82.5°	147.4	*133.7*	106.3	51.4	61.7	195.4	78.9	65.1	20.6	20.6
85°	61.7	*41.1*	27.4	10.3	24.0	51.4	27.4	30.9	10.3	10.3
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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

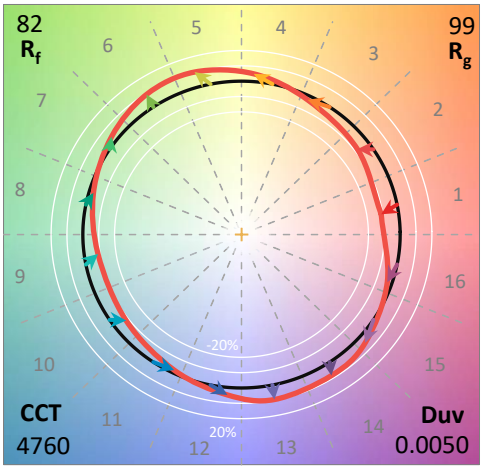
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-12
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-850-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4760
CIE u':	0.2107
CIE v':	0.4939
Duv:	0.0050
CIE x:	0.3537
CIE y:	0.3685
CIE z:	0.2779
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	571
Purity:	16.69598
Rf:	82
Rg:	99.4

CRI (Ra):	81.1
R1:	79.8
R2:	83.5
R3:	87.9
R4:	83.1
R5:	80.5
R6:	79.1
R7:	86.1
R8:	69.0
R9:	8.7
R10:	62.4
R11:	83.8
R12:	63.0
R13:	79.9
R14:	93.3
R15:	72.7



Test Conditions

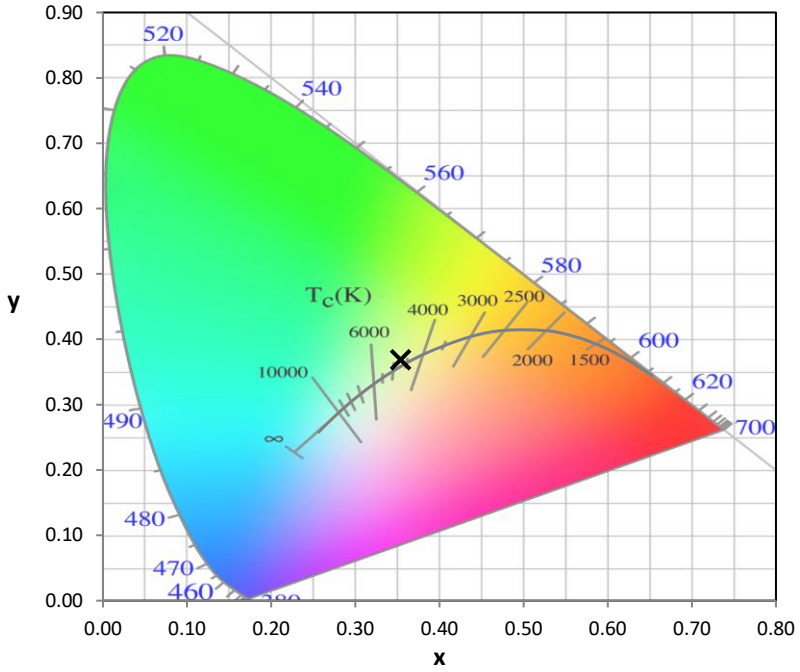
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-12

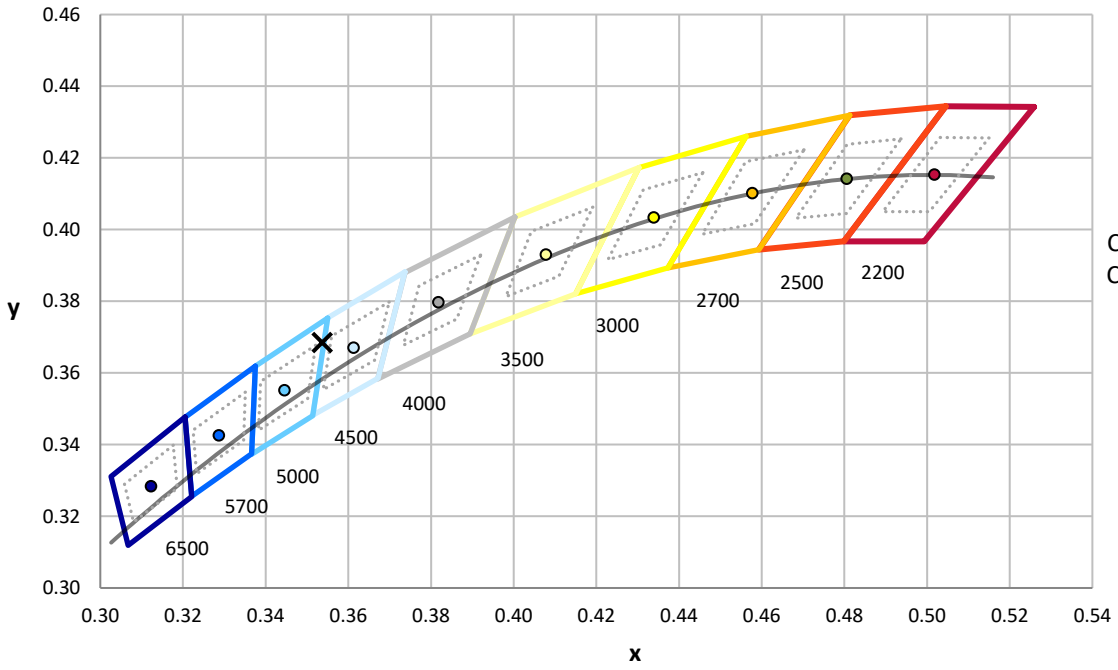
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



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

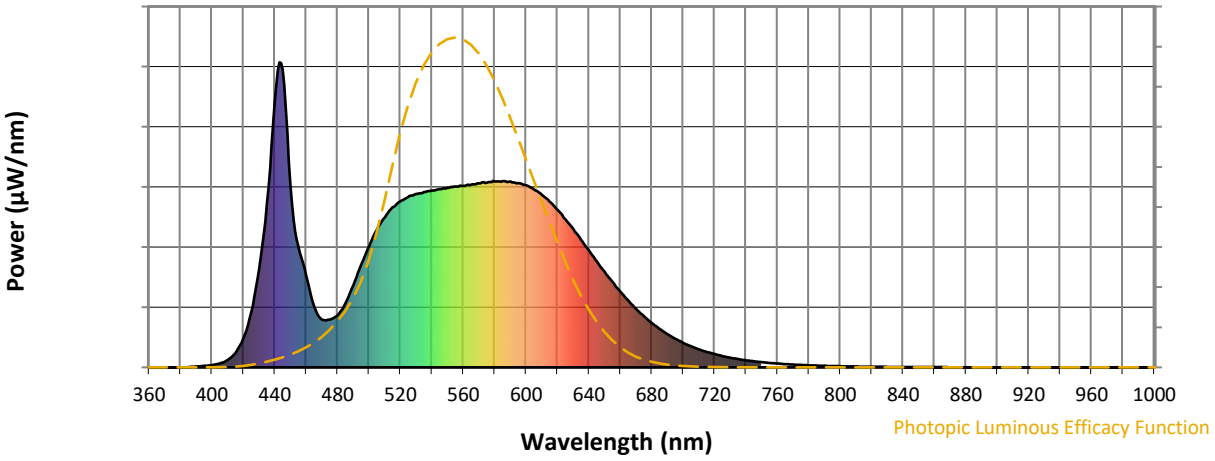


CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

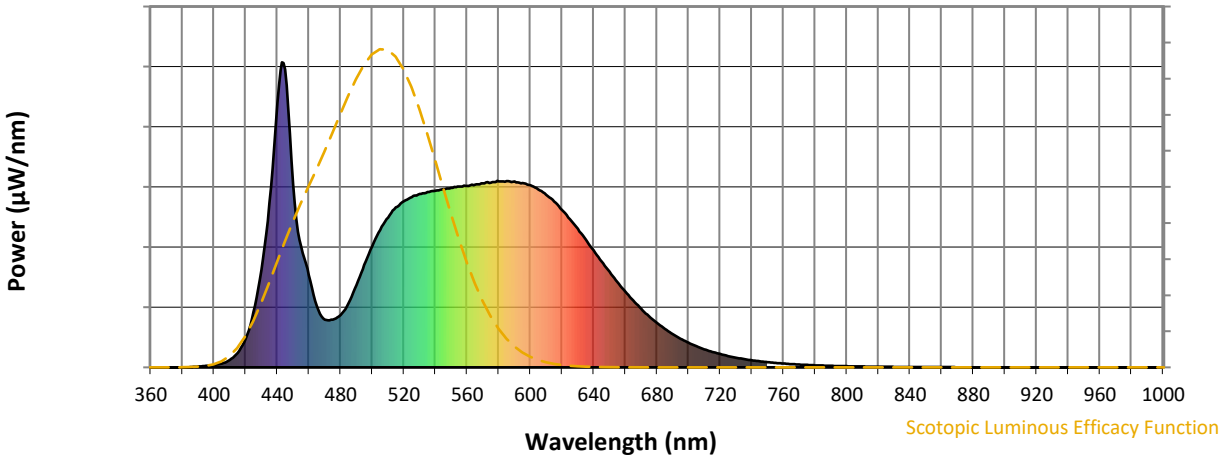


Photopic Lumens: NR

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Scotopic Flux vs. Wavelength

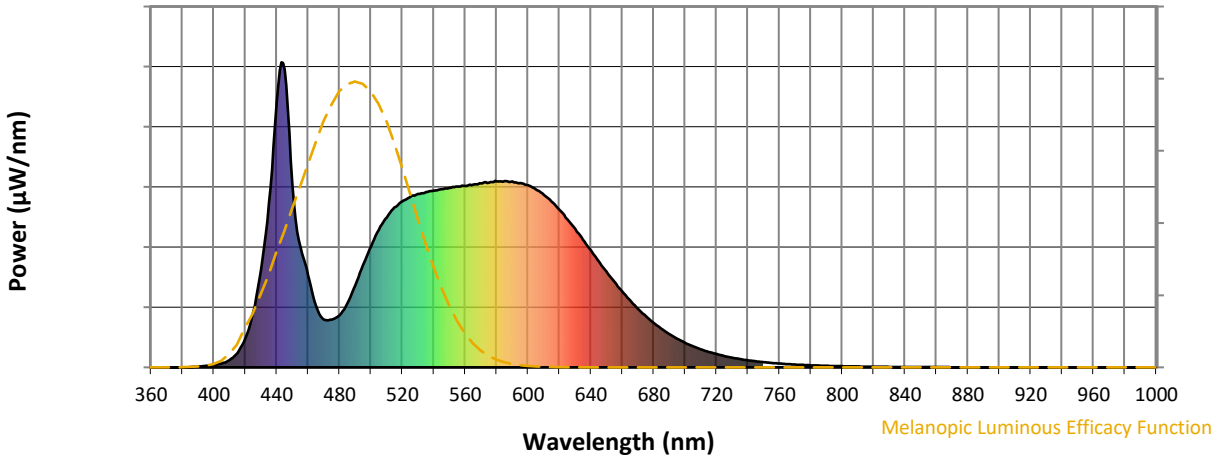


Scotopic Lumens: NR **S/P: 1.83**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.74**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

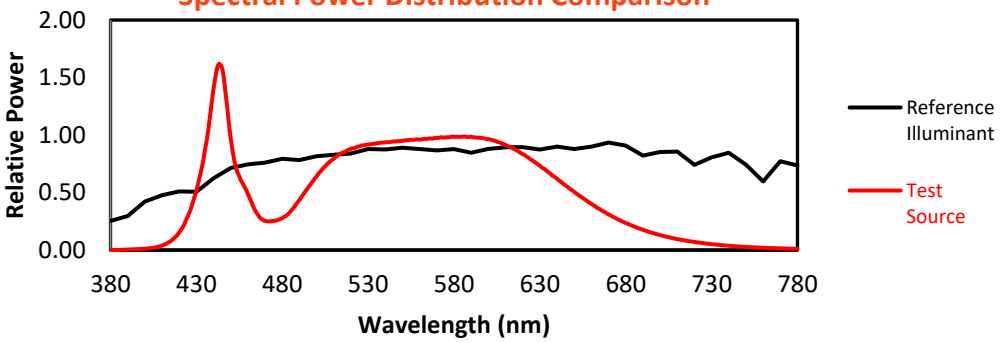
REPORT NUMBER: SP1-2407-184-12

TM-30-18

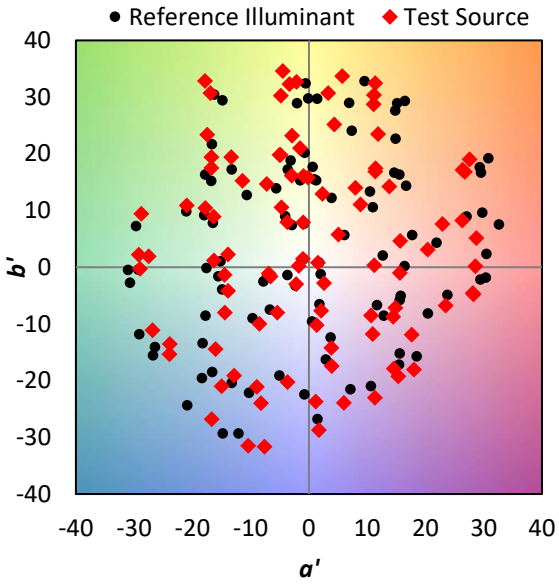
Summary

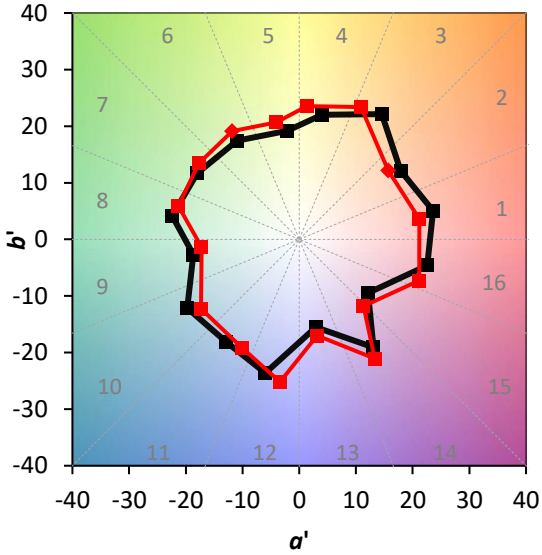
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R_g = 99.4
CIE R_a = 81.1
R_9 = 8.7

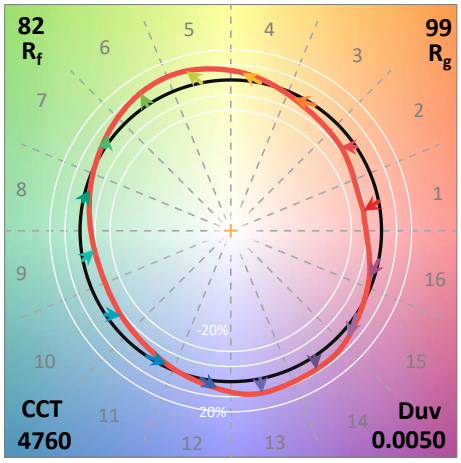
Spectral Power Distribution Comparison

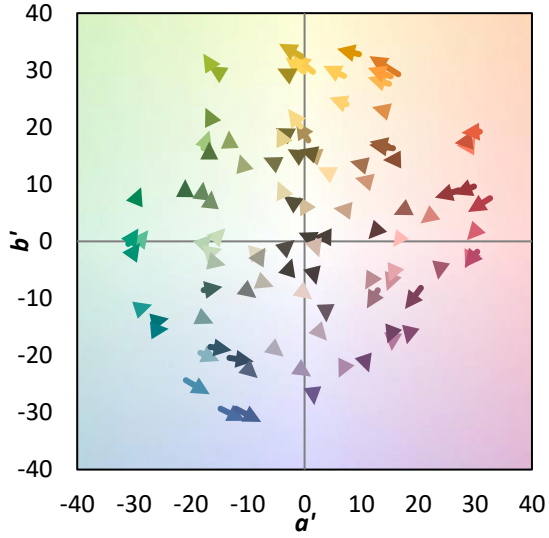


Color Vector Graphics







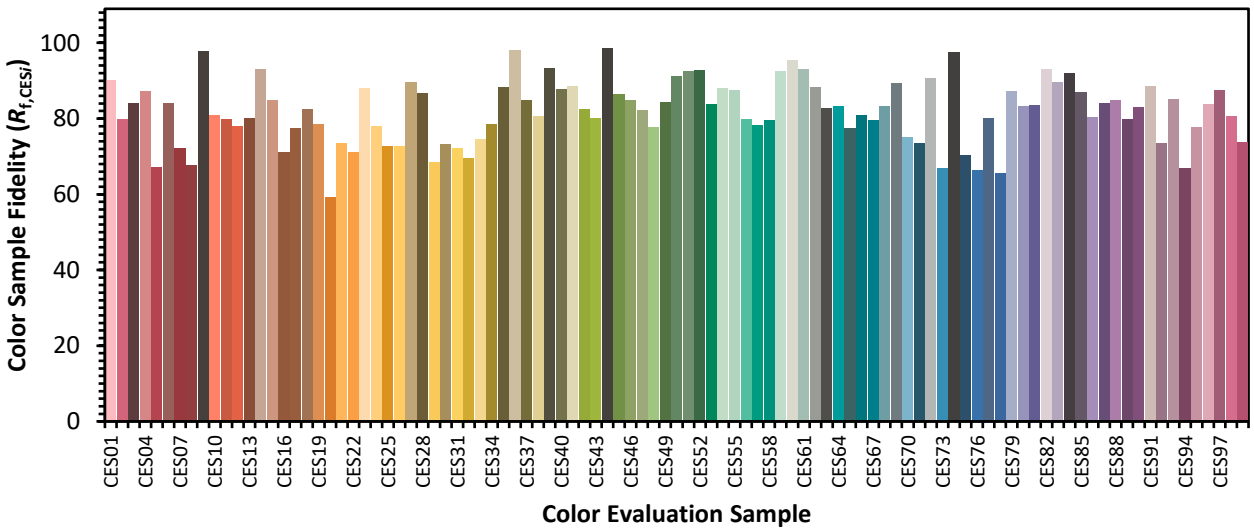


REPORT NUMBER: SP1-2407-184-12

TM-30-18

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

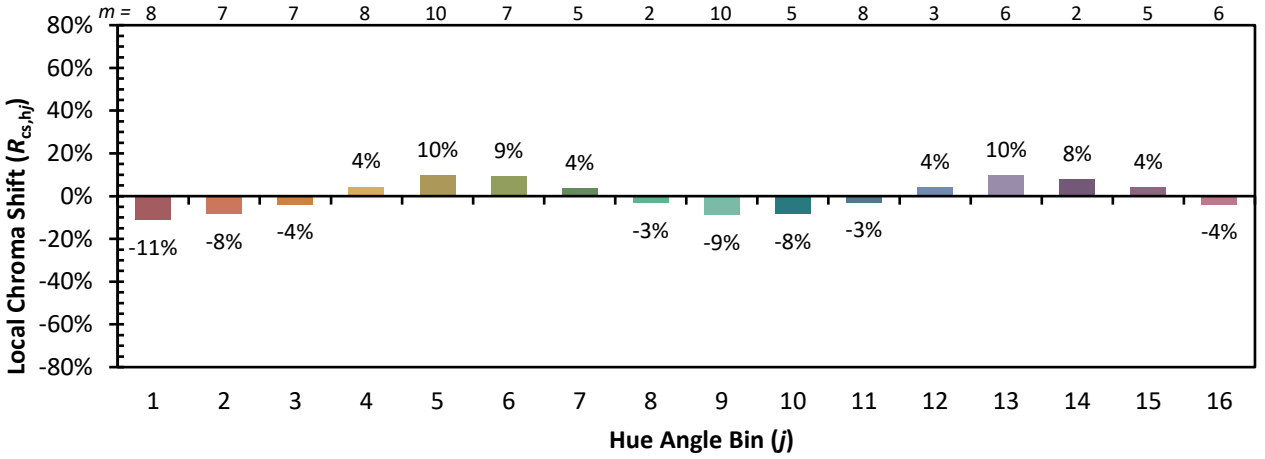
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	

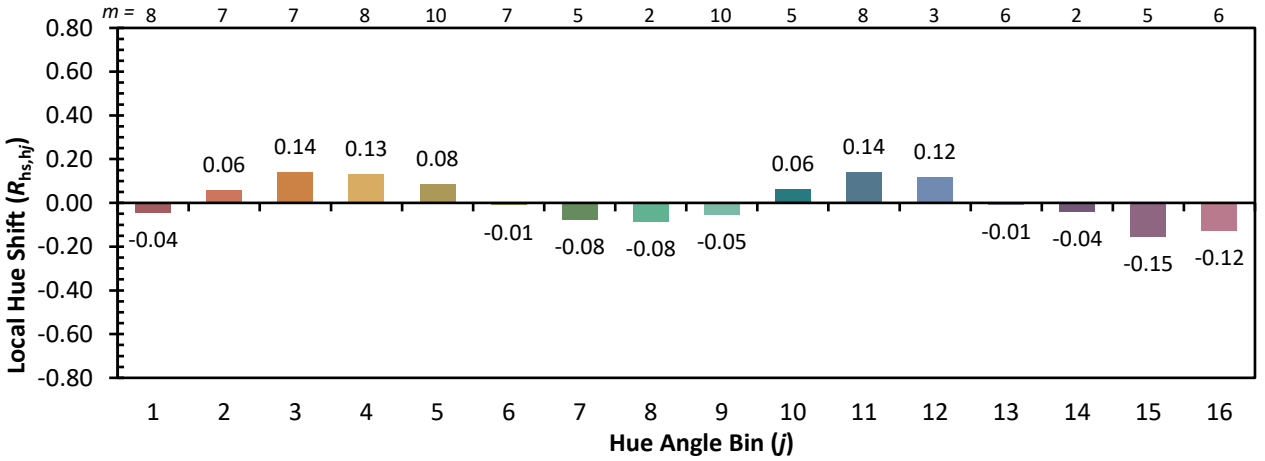


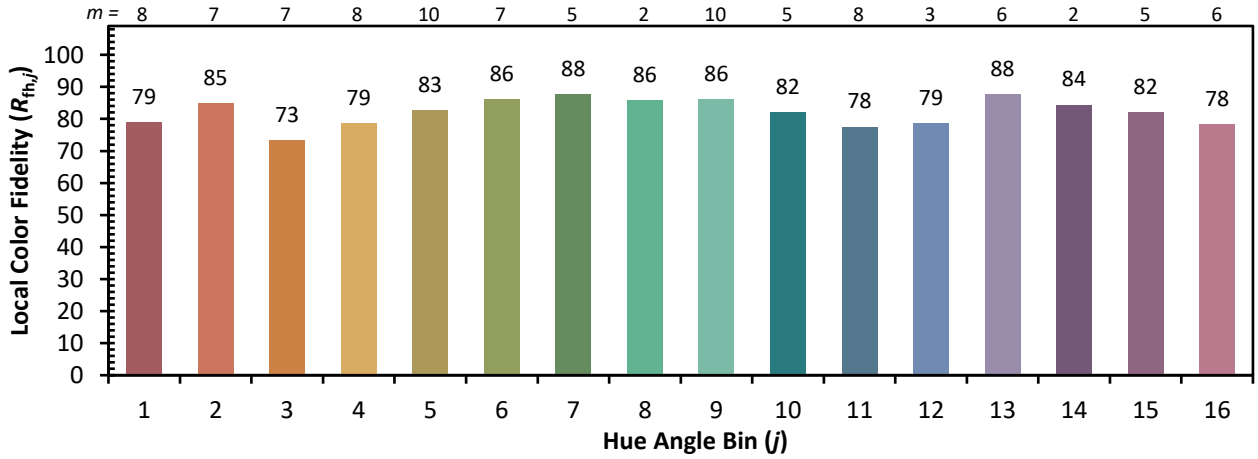
REPORT NUMBER: SP1-2407-184-12

TM-30-18

Color Rendition by Hue-Angle Bin



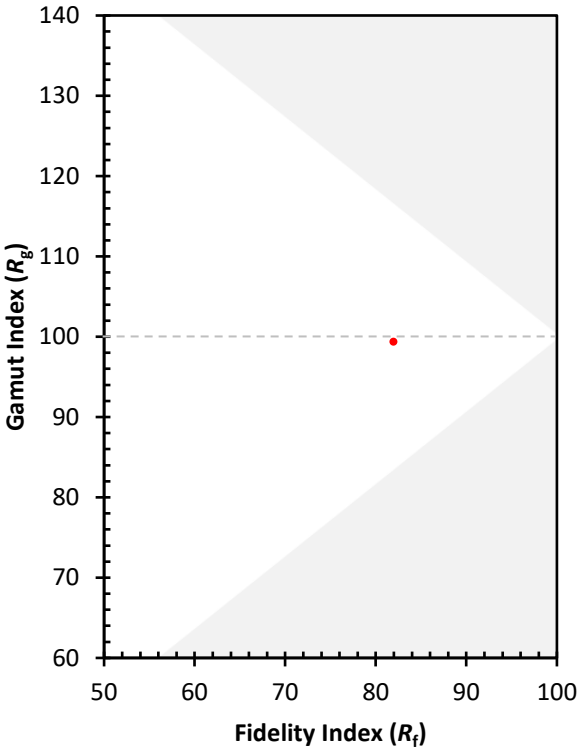


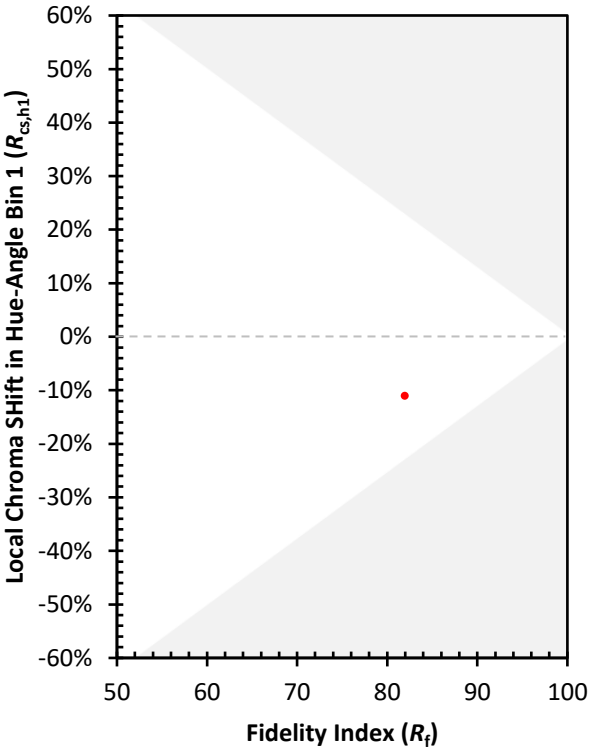


REPORT NUMBER: SP1-2407-184-12

TM-30-18

Measure Comparisons





(END OF REPORT)