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: P1501467

Luminaire Tested: GSS-SB6C-750-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501467
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-750-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	45756.1 lumens
Efficiency:	N/A
Efficacy:	152.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4

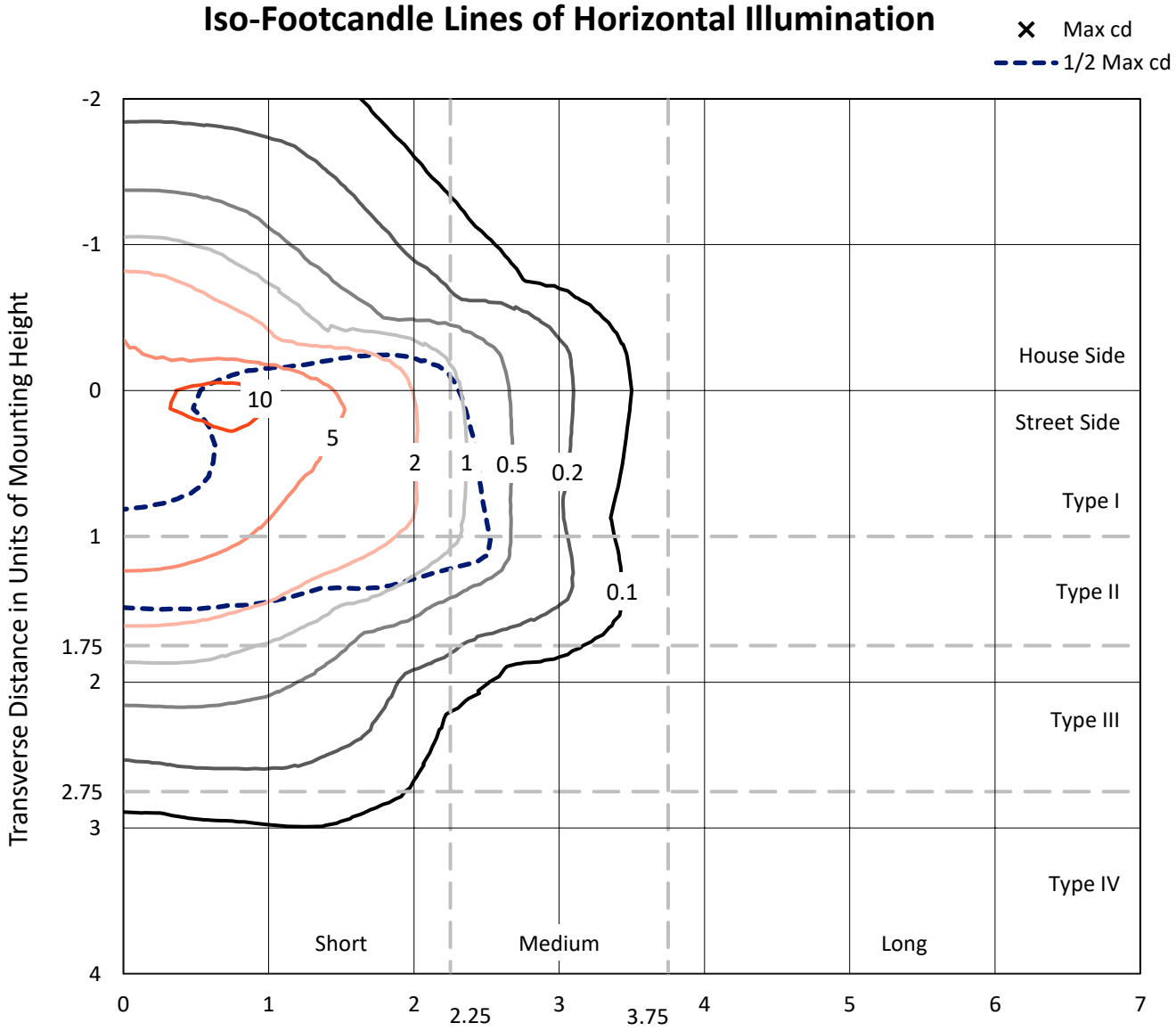
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



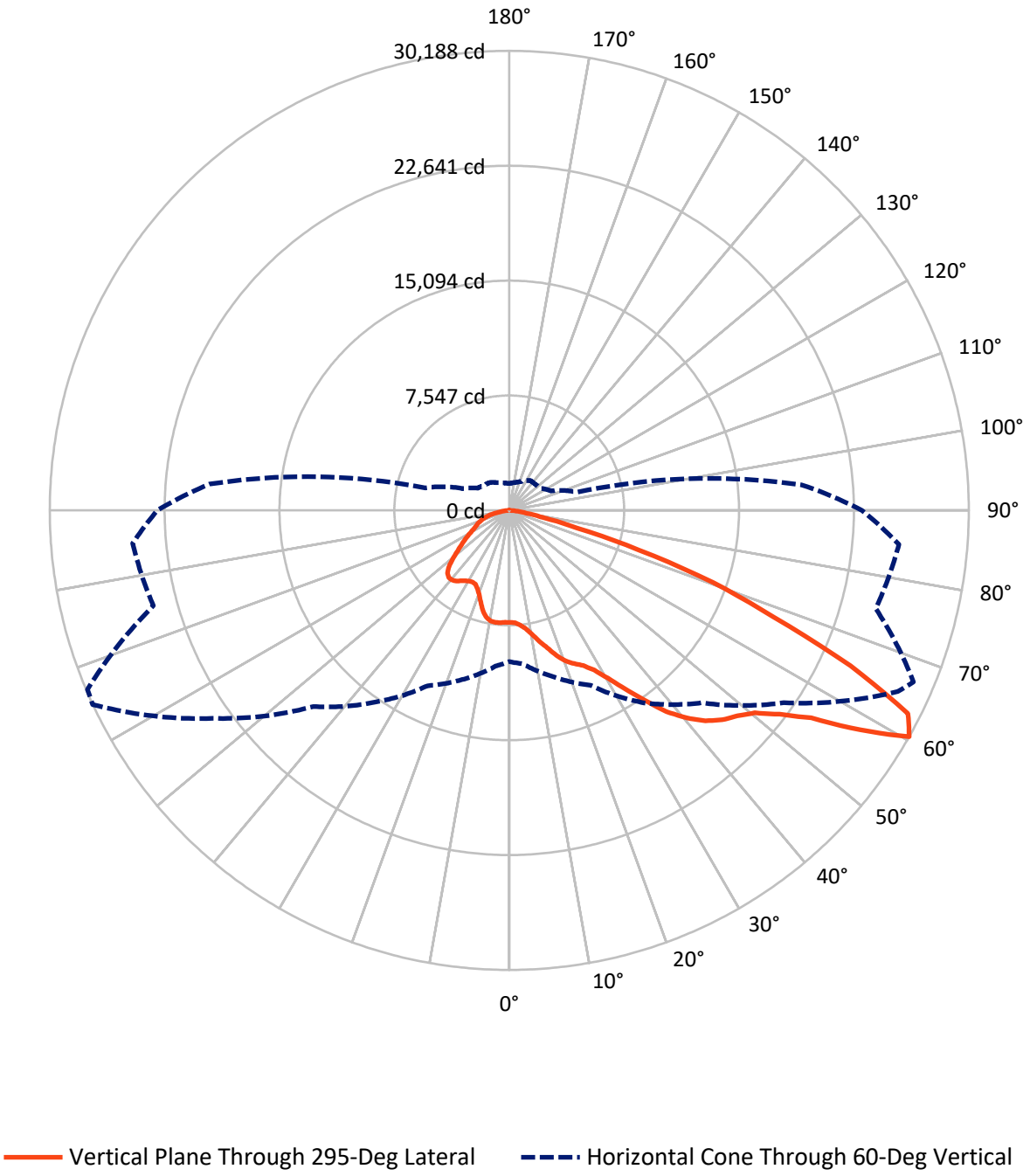
Based on 30 foot mounting height. Maximum calculated value = 12.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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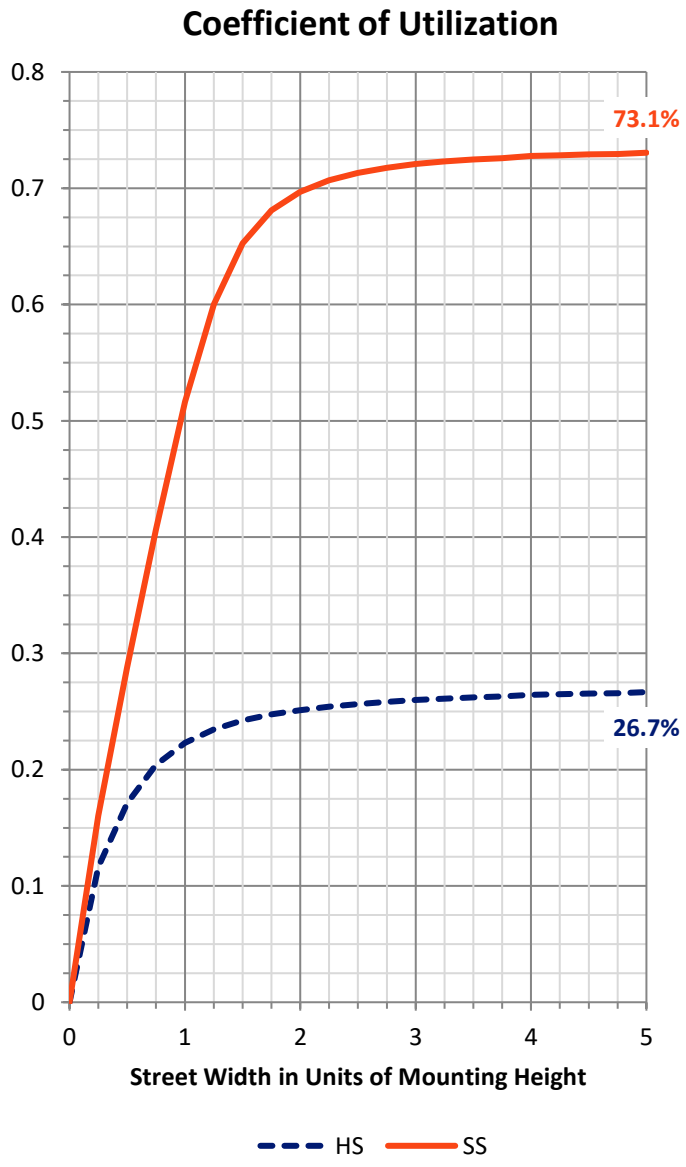
REPORT NUMBER: P1501467
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12304.4	0.0	12304.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	33451.7	0.0	33451.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	45756.1	0.0	45756.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.2	1.5
10°-20°	1989.8	4.3
20°-30°	3769.1	8.2
30°-40°	6644.7	14.5
40°-50°	9826.8	21.5
50°-60°	11539.3	25.2
60°-70°	8360.8	18.3
70°-80°	2578.4	5.6
80°-90°	354.9	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	45756.1	100.0
0°-180°	45756.1	100.0



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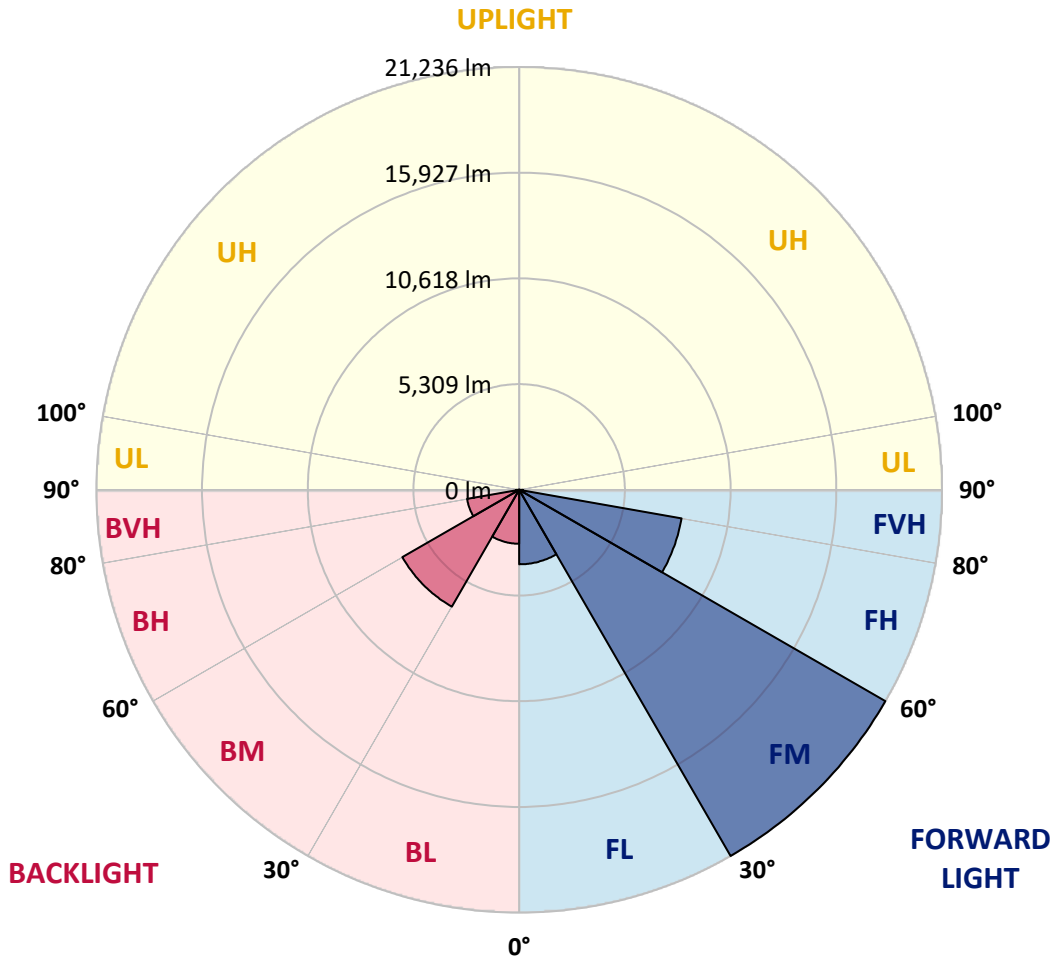
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3741.3	8.2			
FM	(30°-60°)	21235.7	46.4			
FH	(60°-80°)	8283.3	18.1			G4/12000
FVH	(80°-90°)	191.5	0.4			G2/225
BL	(0°-30°)	2709.8	5.9	B4/5000		
BM	(30°-60°)	6775.2	14.8	B4/8500		
BH	(60°-80°)	2655.9	5.8	B4/5000		G4/5000
BVH	(80°-90°)	163.5	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9
2.5°	7507.9	7528.8	7497.5	7518.4	7518.4	7487.1	7476.6	7434.9	7455.8	7445.4	7434.9
5°	7685.2	7695.6	7674.8	7706.1	7706.1	7716.5	7706.1	7653.9	7653.9	7653.9	7633.1
7.5°	7633.1	7633.1	7643.5	7747.8	7852.0	7987.6	7987.6	7966.7	7987.6	7977.2	7883.3
10°	7195.1	7236.8	7330.7	7591.3	7841.6	8133.6	8331.7	8394.3	8394.3	8404.7	8248.3
12.5°	6413.0	6444.3	6663.3	7059.5	7580.9	8112.7	8592.4	8905.2	8936.5	8988.7	8780.1
15°	5714.4	5735.2	5891.6	6298.3	6892.7	7831.2	8738.4	9384.9	9489.2	9708.2	9395.3
17.5°	5776.9	5766.5	5808.2	5964.6	6392.2	7372.4	8707.1	9948.0	10135.7	10521.5	10250.4
20°	6152.3	6152.3	6183.6	6214.9	6371.3	7038.7	8477.7	10406.8	10771.8	11522.6	11209.8
22.5°	6746.7	6746.7	6736.3	6788.4	6788.4	7184.7	8488.1	10750.9	11293.2	12638.3	12335.9
25°	7570.5	7528.8	7528.8	7549.6	7455.8	7737.3	8748.8	11105.5	11814.6	13962.7	13702.0
27.5°	8498.6	8529.8	8509.0	8436.0	8310.9	8529.8	9374.5	11658.1	12398.5	15360.0	15255.7
30°	9510.0	9520.5	9541.3	9499.6	9395.3	9551.8	10354.7	12492.4	13170.2	16819.8	17049.3
32.5°	10500.7	10646.7	10594.5	10490.2	10532.0	10813.5	11564.3	13618.5	14317.2	18175.4	18988.8
35°	11762.4	11814.6	12023.1	11637.3	11647.7	12127.4	13107.6	15099.3	15777.1	19583.2	20928.3
37.5°	13597.7	13691.5	13597.7	12992.9	12899.0	13566.4	14609.2	16559.2	17049.3	20646.8	22732.3
40°	15401.7	15516.4	15672.8	14963.7	14369.3	14922.0	16027.3	17674.9	18185.9	21230.7	23931.5
42.5°	16892.8	17080.5	16913.7	16705.1	16162.9	16267.2	17018.0	18540.4	19051.4	21971.1	25141.1
45°	18154.6	18185.9	18258.9	18112.9	17841.8	17747.9	17862.6	19301.6	19864.7	22304.8	25735.5
47.5°	18676.0	18811.5	18874.1	19124.4	19405.9	19218.2	18582.1	19656.2	20167.1	22283.9	25923.2
50°	18394.4	18530.0	18863.7	19458.0	20135.8	20469.5	19426.8	20146.3	20719.8	22659.3	26309.0
52.5°	17654.1	17800.0	18342.3	19020.1	20156.7	20917.9	20615.5	21168.2	21720.9	23326.7	26955.5
55°	15860.5	16079.5	16840.7	17966.9	19531.0	20678.1	21866.8	22669.8	23274.6	24129.6	27622.9
57.5°	13253.6	13483.0	14338.1	16027.3	18373.6	19687.5	22231.8	25485.2	25756.4	25089.0	27685.5
60°	*9927.1*	*10114.8*	*11324.5*	*12680.1*	*15433.0*	*17873.0*	*22023.3*	*28154.7*	*28843.0*	*24922.1*	*25693.8*
62.5°	7862.5	8091.9	9165.9	9791.6	11762.4	14765.6	21293.3	28895.1	29489.5	23545.7	22920.0
65°	6141.9	6298.3	7299.4	8196.2	8675.8	10083.6	18248.4	25276.7	25808.5	21303.7	18915.8
67.5°	4056.4	4296.2	5485.0	6715.4	6965.7	6413.0	12554.9	19447.6	19697.9	16934.5	14223.4
70°	2909.3	3024.0	3910.4	5224.3	5599.7	4296.2	6840.6	14723.9	14796.9	11366.2	9583.0
72.5°	1981.3	2002.1	2659.1	4004.2	4463.0	3117.9	3764.4	9697.7	9447.5	5610.1	5485.0
75°	1345.2	1366.0	1699.7	2669.5	3159.6	2169.0	2450.5	5286.8	5078.3	3097.0	3326.4
77.5°	907.2	928.1	1167.9	1793.6	2106.4	1501.6	1793.6	2794.6	2742.5	2054.3	1783.1
80°	688.2	719.5	865.5	1147.0	1470.3	875.9	1021.9	1324.3	1345.2	1094.9	907.2
82.5°	385.8	427.5	521.4	583.9	948.9	490.1	490.1	792.5	761.2	677.8	490.1
85°	166.8	177.3	208.6	219.0	385.8	208.6	177.3	344.1	354.5	333.7	156.4
87.5°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	41.7	41.7	41.7	41.7
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°	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9
2.5°	7382.8	7445.4	7382.8	7351.5	7351.5	7299.4	7278.5	7278.5	7205.5	7236.8	7216.0
5°	7549.6	7570.5	7497.5	7403.7	7278.5	7174.2	7028.3	6840.6	6725.9	6715.4	6725.9
7.5°	7810.3	7820.8	7622.6	7414.1	7101.2	6725.9	6277.5	5912.5	5589.2	5537.1	5599.7
10°	8175.3	8154.4	7862.5	7372.4	6715.4	5922.9	5234.7	4901.0	4713.3	4702.9	4692.5
12.5°	8665.4	8529.8	8081.4	7195.1	6048.1	5130.4	4775.9	4755.0	4807.2	4848.9	4859.3
15°	9228.5	9051.2	8258.7	6851.0	5370.3	4838.4	4859.3	5036.6	5099.1	5140.8	5140.8
17.5°	9927.1	9697.7	8456.8	6360.9	5026.1	4901.0	5047.0	5213.8	5318.1	5359.8	5349.4
20°	10855.2	10375.5	8613.3	5891.6	4932.3	5005.3	5130.4	5297.3	5401.5	5453.7	5453.7
22.5°	11783.3	11188.9	8644.5	5568.4	4932.3	5015.7	5130.4	5297.3	5412.0	5464.1	5453.7
25°	13045.0	12231.7	8655.0	5339.0	4942.7	4963.6	5067.9	5213.8	5380.7	5432.8	5453.7
27.5°	14390.2	13378.7	8707.1	5286.8	4901.0	4890.6	4963.6	5099.1	5266.0	5401.5	5412.0
30°	16058.6	14671.7	8728.0	5339.0	4911.4	4775.9	4828.0	4963.6	5140.8	5276.4	5318.1
32.5°	17695.8	15870.9	8686.3	5453.7	4932.3	4702.9	4713.3	4796.7	4984.4	5078.3	5151.3
35°	19426.8	17143.1	8613.3	5610.1	4942.7	4671.6	4577.8	4619.5	4744.6	4755.0	4786.3
37.5°	20782.4	18092.0	8394.3	5818.6	4963.6	4556.9	4369.2	4337.9	4285.8	4181.5	4202.4
40°	21898.1	18728.1	8029.3	5922.9	4911.4	4421.3	4108.5	3962.5	3764.4	3608.0	3639.3
42.5°	22701.1	19155.6	7591.3	5943.8	4828.0	4191.9	3806.1	3555.8	3336.9	3170.0	3180.4
45°	23055.6	19113.9	7122.1	5787.4	4629.9	3910.4	3524.6	3284.7	3044.9	2867.6	2846.8
47.5°	23066.0	18707.3	6475.6	5412.0	4296.2	3587.1	3263.9	3003.2	2805.0	2679.9	2669.5
50°	23149.4	18477.8	5870.8	4869.7	3858.2	3243.0	3034.5	2773.8	2659.1	2481.8	2429.6
52.5°	23670.8	18853.2	5453.7	4275.3	3451.6	2992.7	2836.3	2606.9	2419.2	2304.5	2294.1
55°	24515.5	19499.8	5224.3	3827.0	3065.7	2752.9	2648.6	2450.5	2283.7	2169.0	2137.7
57.5°	24619.7	19833.4	4953.1	3409.9	2752.9	2565.2	2523.5	2304.5	2064.7	1981.3	1950.0
60°	*23159.9*	*19270.3*	*4619.5*	*3024.0*	*2523.5*	*2419.2*	*2398.4*	*2106.4*	*1908.3*	*1804.0*	*1762.3*
62.5°	21168.2	17862.6	4108.5	2669.5	2346.2	2273.2	2189.8	1960.4	1710.1	1595.4	1564.2
65°	17299.5	15015.9	3493.3	2429.6	2169.0	2085.5	2064.7	1751.8	1585.0	1522.4	1512.0
67.5°	13107.6	12064.8	3076.2	2252.4	1981.3	1950.0	1877.0	1772.7	1699.7	1626.7	1605.9
70°	9270.2	8707.1	2617.3	2023.0	1793.6	1741.4	2043.8	1929.1	1668.4	1574.6	1564.2
72.5°	5620.5	5464.1	2262.8	1814.4	1543.3	1626.7	1887.4	1741.4	1501.6	1386.9	1345.2
75°	3545.4	3243.0	1897.8	1543.3	1230.5	1324.3	1647.6	1553.7	1293.0	1178.3	1147.0
77.5°	1929.1	1793.6	1428.6	1261.7	969.8	1074.1	1439.0	1282.6	1032.3	1126.2	1001.1
80°	844.6	938.5	948.9	729.9	646.5	792.5	1032.3	1001.1	792.5	802.9	667.4
82.5°	406.7	531.8	615.2	500.5	365.0	469.2	688.2	573.5	531.8	500.5	479.7
85°	125.1	198.1	271.1	239.8	166.8	198.1	323.3	312.8	375.4	323.3	302.4
87.5°	41.7	41.7	31.3	31.3	31.3	41.7	52.1	31.3	10.4	10.4	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°	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9
2.5°	7205.5	7216.0	7216.0	7226.4	7226.4	7257.7	7299.4	7341.1	7309.8	7351.5	7361.9
5°	6705.0	6757.1	6798.8	6955.3	7080.4	7184.7	7299.4	7403.7	7434.9	7455.8	7507.9
7.5°	5526.7	5672.7	5943.8	6298.3	6694.6	7080.4	7341.1	7612.2	7653.9	7706.1	7779.0
10°	4702.9	4765.4	4953.1	5318.1	6027.2	6788.4	7424.5	7852.0	8029.3	8133.6	8206.6
12.5°	4838.4	4796.7	4765.4	4817.6	5276.4	6256.6	7372.4	8196.2	8529.8	8644.5	8738.4
15°	5161.7	5120.0	5005.3	4859.3	4911.4	5693.5	7195.1	8519.4	9051.2	9238.9	9437.0
17.5°	5349.4	5307.7	5213.8	5057.4	4921.9	5224.3	6861.4	8811.4	9875.0	10104.4	10386.0
20°	5453.7	5412.0	5318.1	5161.7	5005.3	5047.0	6433.9	9176.4	10813.5	11178.5	11595.6
22.5°	5474.5	5422.4	5318.1	5161.7	5067.9	5036.6	6027.2	9395.3	11825.0	12388.1	12867.8
25°	5464.1	5370.3	5234.7	5120.0	5067.9	5057.4	5745.6	9520.5	12919.9	13816.7	14358.9
27.5°	5391.1	5276.4	5140.8	5057.4	5036.6	5099.1	5620.5	9666.5	14202.5	15349.5	16215.0
30°	5307.7	5140.8	4974.0	4942.7	4994.9	5193.0	5724.8	9718.6	15547.7	17018.0	17904.3
32.5°	5088.7	4963.6	4796.7	4786.3	4911.4	5266.0	5964.6	9645.6	16736.4	18686.4	19802.2
35°	4775.9	4702.9	4609.0	4640.3	4838.4	5328.5	6131.5	9416.2	17820.9	20240.1	21543.6
37.5°	4223.2	4275.3	4327.5	4400.5	4650.7	5318.1	6204.5	9051.2	18717.7	21481.0	23149.4
40°	3608.0	3785.2	3952.1	4139.8	4473.5	5234.7	6225.3	8602.8	19239.1	22419.5	24578.0
42.5°	3222.2	3389.0	3597.5	3868.7	4233.6	5047.0	6204.5	8102.3	19405.9	23066.0	25485.2
45°	2867.6	3065.7	3326.4	3608.0	4025.1	4775.9	6016.8	7560.1	19489.3	23368.4	25871.1
47.5°	2679.9	2794.6	3034.5	3316.0	3754.0	4442.2	5651.8	7163.8	19364.2	23431.0	26340.3
50°	2460.9	2617.3	2773.8	3044.9	3472.4	4025.1	5213.8	6934.4	19572.7	24046.2	27080.7
52.5°	2294.1	2377.5	2544.4	2794.6	3107.4	3639.3	4796.7	6746.7	20146.3	24671.9	27852.3
55°	2169.0	2262.8	2367.1	2575.6	2815.5	3253.4	4369.2	6465.2	20813.6	25339.3	28624.0
57.5°	1970.8	2033.4	2179.4	2398.4	2554.8	2878.0	3868.7	6131.5	20761.5	24817.9	27289.2
60°	*1793.6*	*1856.1*	*2012.5*	*2231.5*	*2325.4*	*2544.4*	*3378.6*	*5703.9*	*19760.4*	*23118.2*	*24828.3*
62.5°	1595.4	1668.4	1856.1	2012.5	2096.0	2262.8	2867.6	4921.9	17674.9	20563.4	21950.3
65°	1512.0	1553.7	1678.9	1866.6	1856.1	2012.5	2419.2	3868.7	14223.4	15714.5	16976.3
67.5°	1605.9	1668.4	1647.6	1699.7	1668.4	1751.8	2169.0	3107.4	11178.5	11835.4	12565.4
70°	1585.0	1731.0	1804.0	1699.7	1459.9	1553.7	1877.0	2481.8	7998.0	7935.5	7904.2
72.5°	1386.9	1532.9	1741.4	1845.7	1428.6	1293.0	1626.7	2148.1	5130.4	5109.6	4619.5
75°	1178.3	1282.6	1532.9	1668.4	1230.5	1042.8	1397.3	1824.8	3065.7	3107.4	2773.8
77.5°	1084.5	1032.3	1282.6	1470.3	1001.1	802.9	1126.2	1376.5	1689.3	1710.1	1585.0
80°	782.1	750.8	959.3	1074.1	761.2	573.5	636.1	855.1	907.2	813.4	844.6
82.5°	500.5	511.0	573.5	688.2	469.2	312.8	438.0	573.5	490.1	396.3	469.2
85°	323.3	365.0	302.4	354.5	146.0	146.0	187.7	250.3	166.8	114.7	125.1
87.5°	0.0	0.0	20.9	41.7	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: P1501467
CATALOG NUMBER: GSS-SB6C-750-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	7361.9	7361.9	*7361.9*	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9	7361.9
2.5°	7393.2	7382.8	*7382.8*	7403.7	7455.8	7476.6	7507.9	7497.5	7528.8	7507.9
5°	7539.2	7549.6	*7580.9*	7591.3	7622.6	7664.3	7674.8	7664.3	7685.2	7685.2
7.5°	7831.2	7872.9	*7852.0*	7904.2	7862.5	7810.3	7726.9	7664.3	7612.2	7633.1
10°	8321.3	8300.4	*8290.0*	8196.2	8008.5	7737.3	7518.4	7278.5	7236.8	7195.1
12.5°	8863.5	8842.7	*8842.7*	8519.4	7987.6	7424.5	6924.0	6548.6	6423.4	6413.0
15°	9624.7	9489.2	*9364.1*	8686.3	7622.6	6663.3	6079.3	5787.4	5714.4	5714.4
17.5°	10573.7	10219.1	*10010.6*	8561.1	7028.3	6162.8	5818.6	5745.6	5724.8	5776.9
20°	11752.0	10855.2	*10552.8*	8279.6	6809.3	6225.3	6058.5	6068.9	6079.3	6152.3
22.5°	13045.0	11439.2	*10938.6*	8279.6	7028.3	6621.6	6538.2	6652.9	6684.1	6746.7
25°	14484.0	11960.5	*11282.7*	8717.5	7674.8	7372.4	7268.1	7382.8	7466.2	7570.5
27.5°	16100.3	12502.8	*11877.1*	9510.0	8509.0	8321.3	8206.6	8258.7	8373.4	8498.6
30°	17549.8	13410.0	*12784.3*	10719.7	9645.6	9416.2	9218.1	9301.5	9426.6	9510.0
32.5°	18832.4	14515.3	*13983.5*	11991.8	10949.1	10552.8	10333.8	10313.0	10563.2	10500.7
35°	20010.7	15818.8	*15307.8*	13441.3	12273.4	11783.3	11491.3	11866.7	11699.9	11762.4
37.5°	20938.8	17174.4	*16767.7*	14828.2	13649.8	12982.5	12805.2	13264.0	13524.7	13597.7
40°	21700.0	18352.7	*17925.2*	16204.6	14911.6	14421.5	14703.0	15464.2	15433.0	15401.7
42.5°	22283.9	19364.2	*18895.0*	17247.4	16121.2	16215.0	16434.0	16945.0	17070.1	16892.8
45°	22544.6	20000.3	*19624.9*	18071.2	17497.6	18039.9	18133.7	18352.7	18269.3	18154.6
47.5°	22847.0	20563.4	*20167.1*	18822.0	18988.8	19520.6	19332.9	19155.6	18853.2	18676.0
50°	23358.0	21230.7	*20897.1*	19916.9	20521.7	20344.4	19614.5	19218.2	18603.0	18394.4
52.5°	24327.8	22492.5	*22242.2*	21647.9	21241.2	20219.3	19332.9	18623.8	17935.6	17654.1
55°	25193.3	24202.6	*24056.6*	23264.1	21022.2	19562.3	18373.6	17278.7	16100.3	15860.5
57.5°	25693.8	27039.0	*27205.8*	23952.4	20021.1	18071.2	16319.3	14567.5	13451.7	13253.6
60°	*24202.6*	*30104.7*	*30188.1*	*23816.8*	*18217.2*	*15380.8*	*12711.3*	*11470.4*	*10271.3*	*9927.1*
62.5°	22148.4	29468.6	*29395.6*	23003.5	14504.9	11220.2	9656.0	9072.1	8144.0	7862.5
65°	19040.9	24546.8	*24630.2*	19875.2	9645.6	8112.7	8112.7	7372.4	6340.0	6141.9
67.5°	15516.4	18926.2	*18738.5*	12888.6	5922.9	6496.4	6809.3	5745.6	4296.2	4056.4
70°	10083.6	14452.8	*14192.1*	7434.9	3722.7	5412.0	5359.8	4317.1	3076.2	2909.3
72.5°	4337.9	8352.6	*8884.4*	3795.7	2805.0	4358.8	4275.3	3024.0	2054.3	1981.3
75°	2617.3	4202.4	*4577.8*	2419.2	2043.8	3284.7	2961.5	1918.7	1397.3	1345.2
77.5°	1658.0	2304.5	*2283.7*	1814.4	1532.9	2221.1	1991.7	1324.3	948.9	907.2
80°	959.3	1136.6	*1178.3*	1136.6	1032.3	1585.0	1272.2	959.3	740.4	688.2
82.5°	615.2	709.1	*719.5*	552.7	573.5	1021.9	688.2	563.1	427.5	385.8
85°	271.1	302.4	*292.0*	187.7	187.7	417.1	239.8	229.4	166.8	166.8
87.5°	10.4	20.9	*10.4*	10.4	10.4	41.7	20.9	31.3	31.3	31.3
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

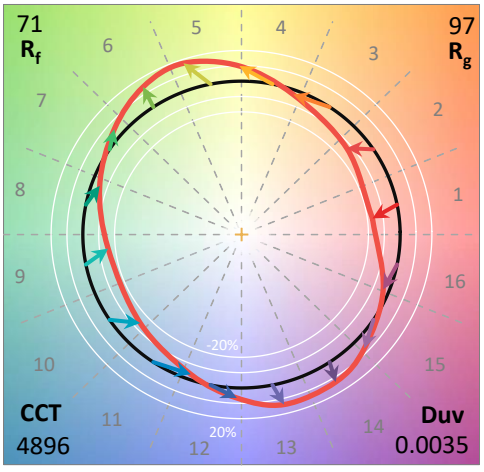
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

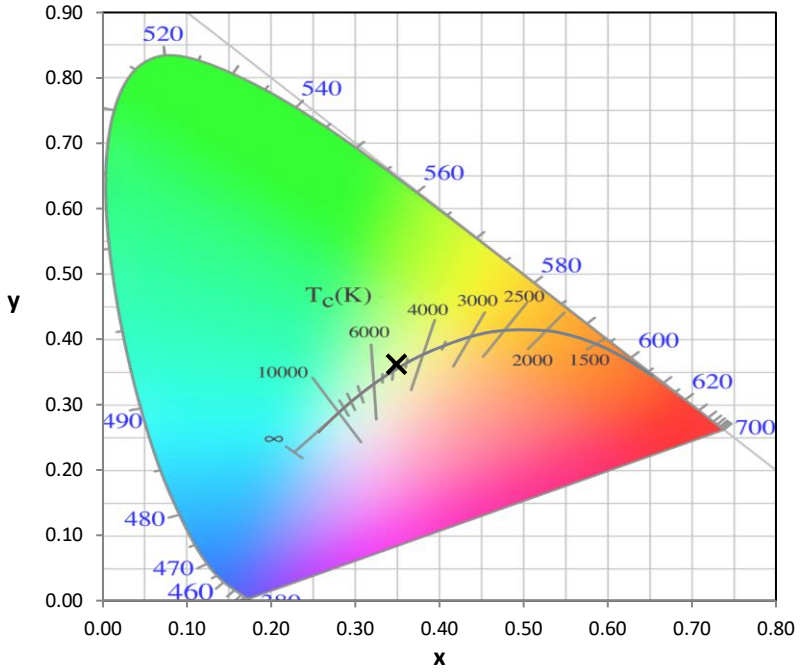
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

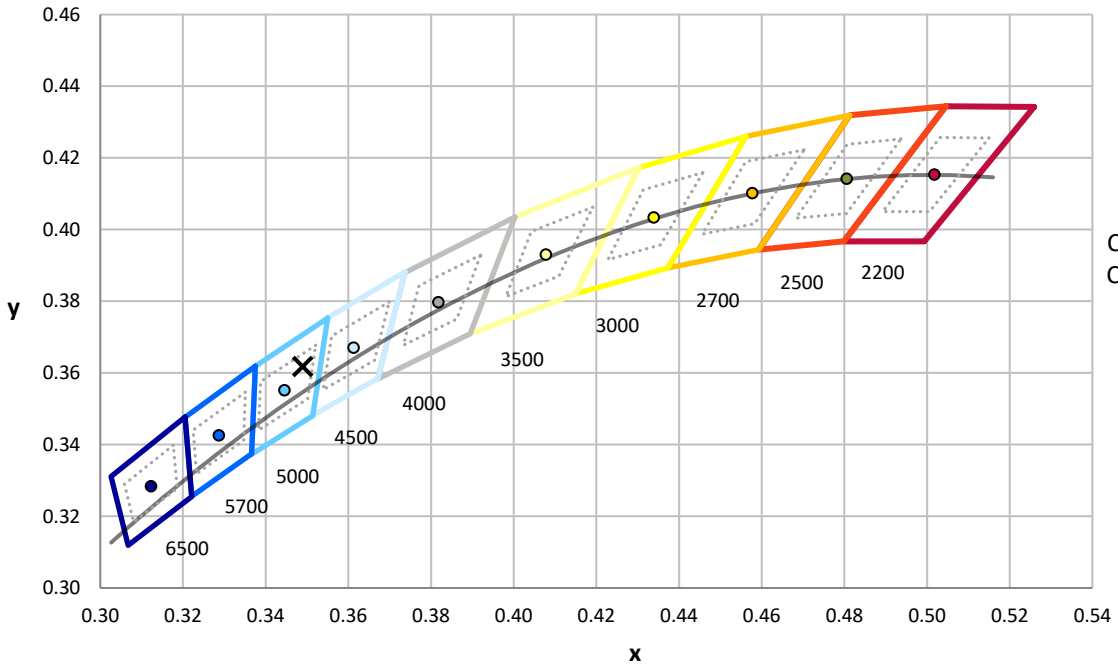
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

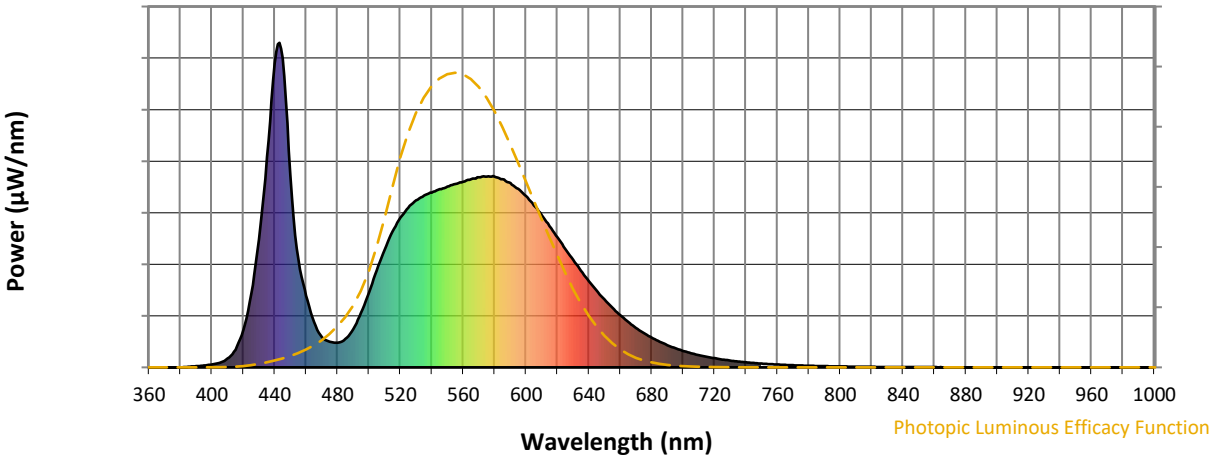


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

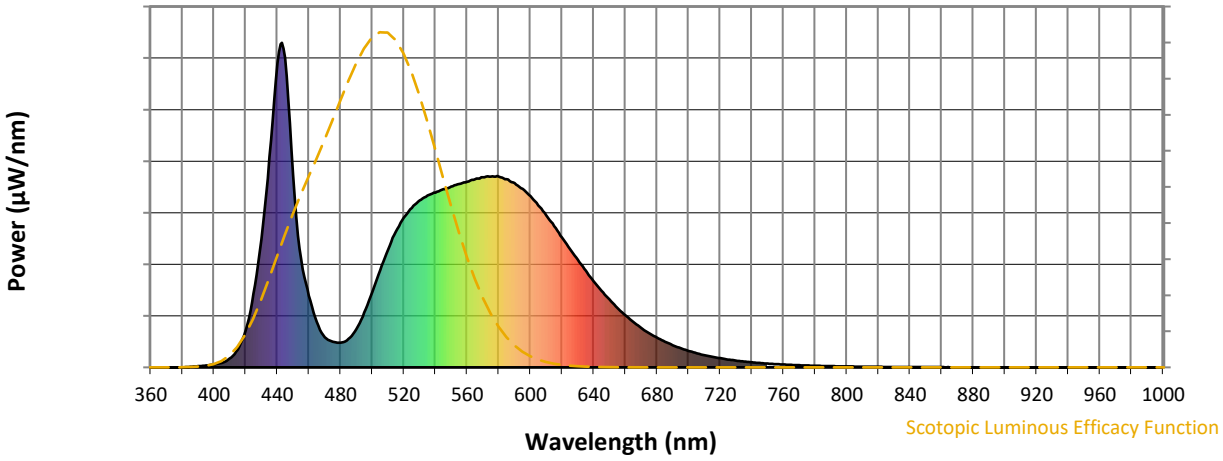


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

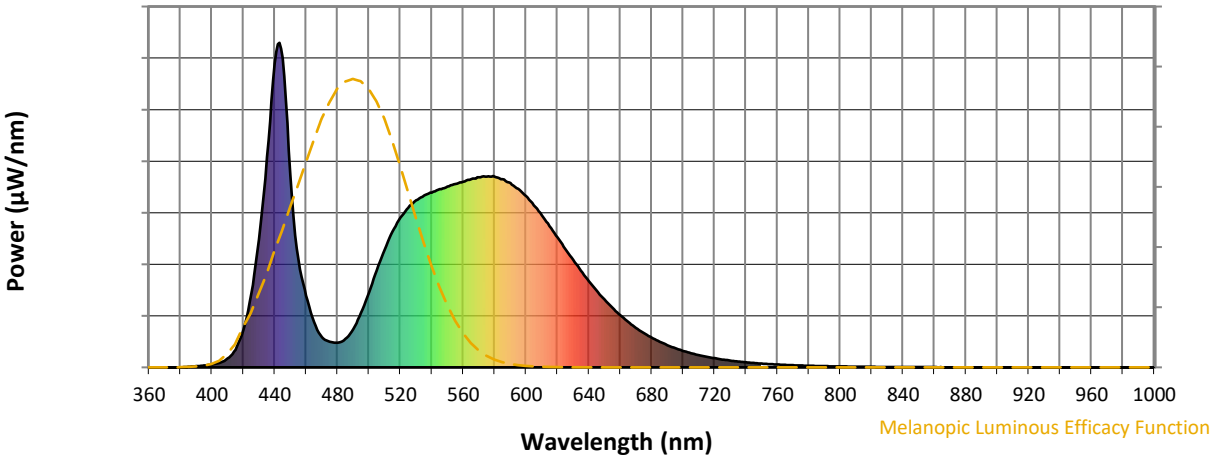


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

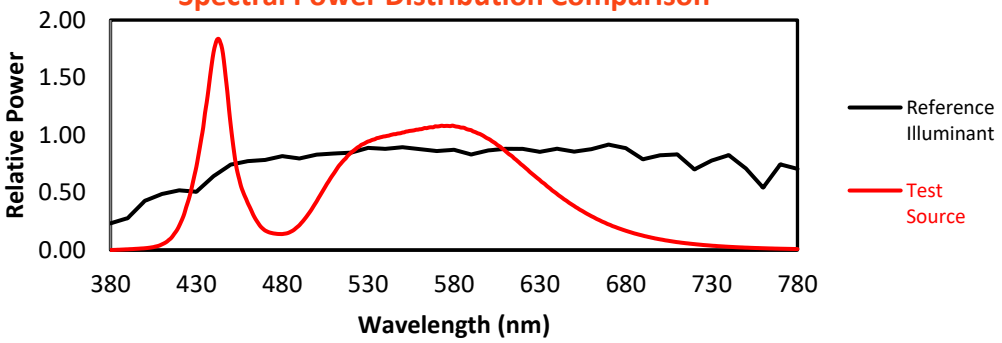
REPORT NUMBER: SP1-2407-184-6

TM-30-18

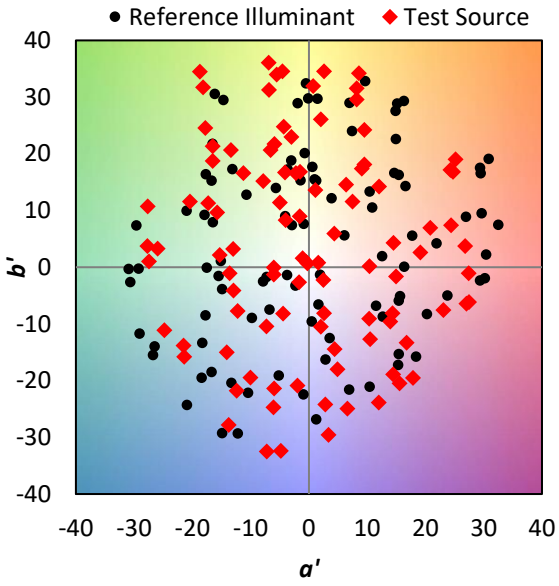
Summary

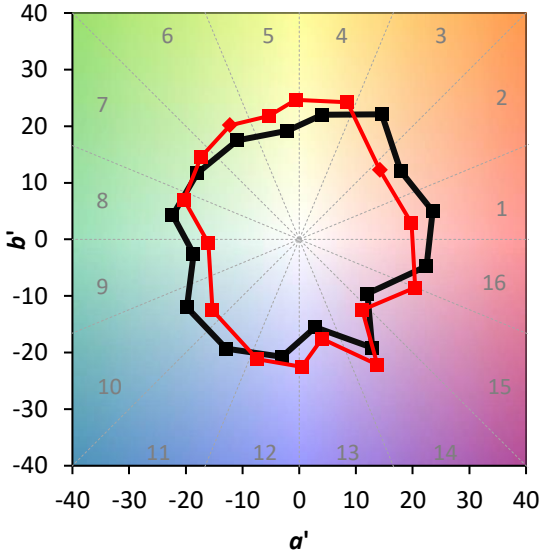
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

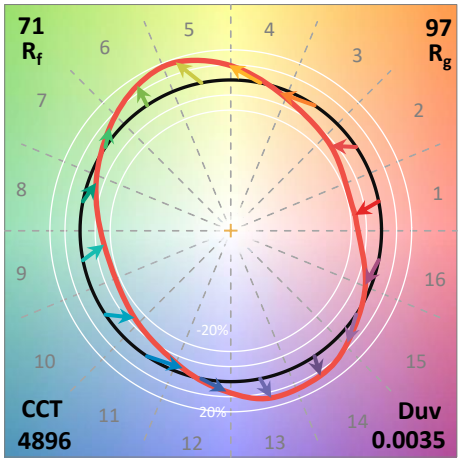
Spectral Power Distribution Comparison

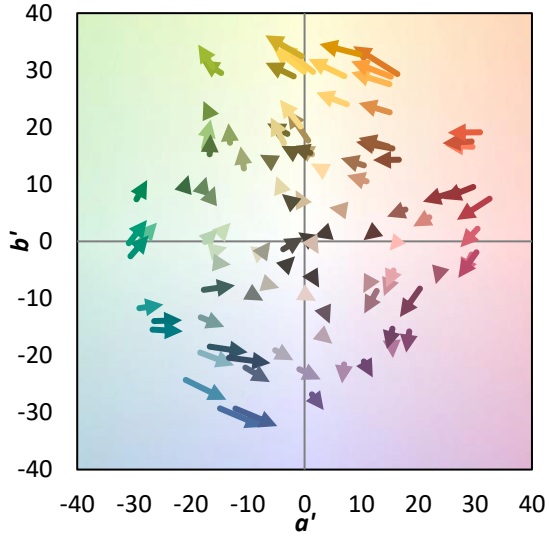


Color Vector Graphics







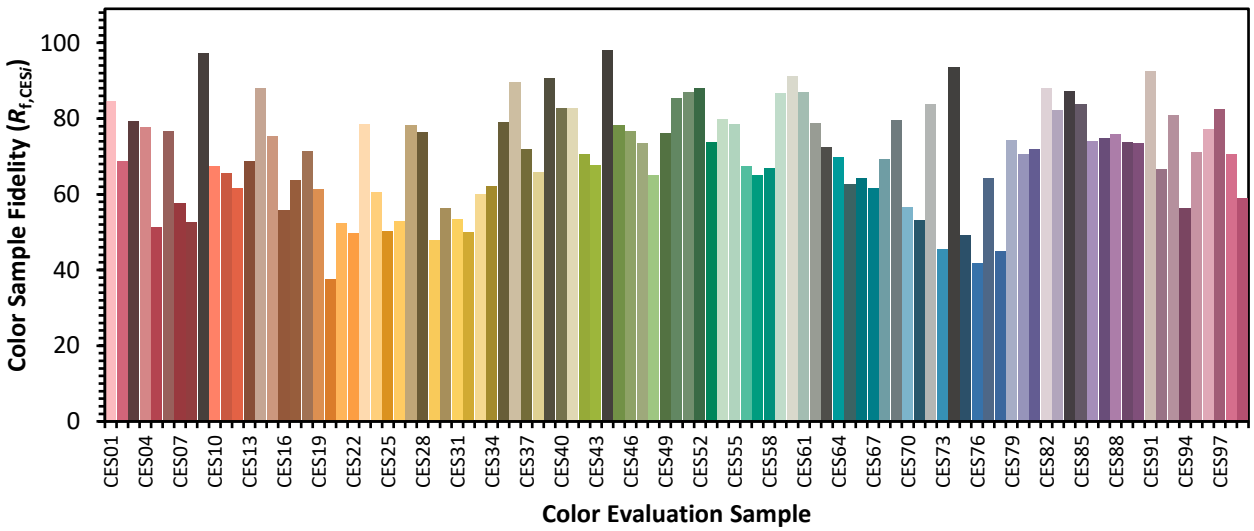


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Individual Sample Fidelity Index ($R_{f,i}$)

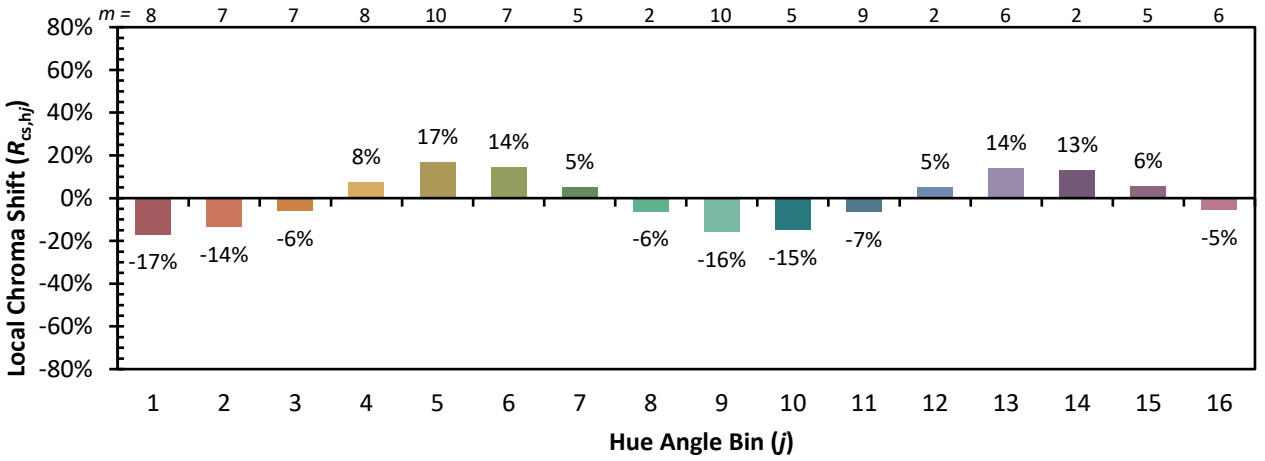
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

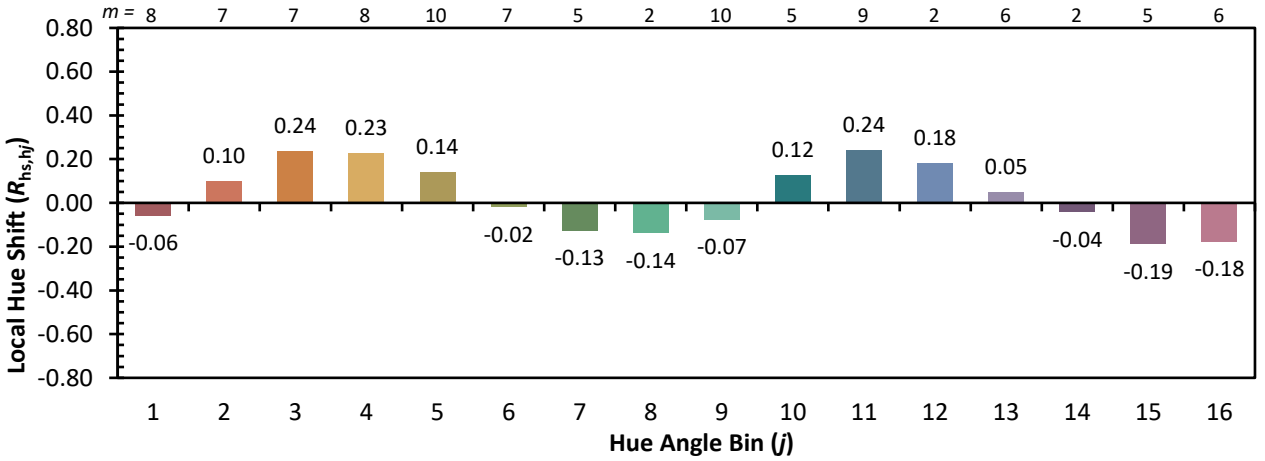


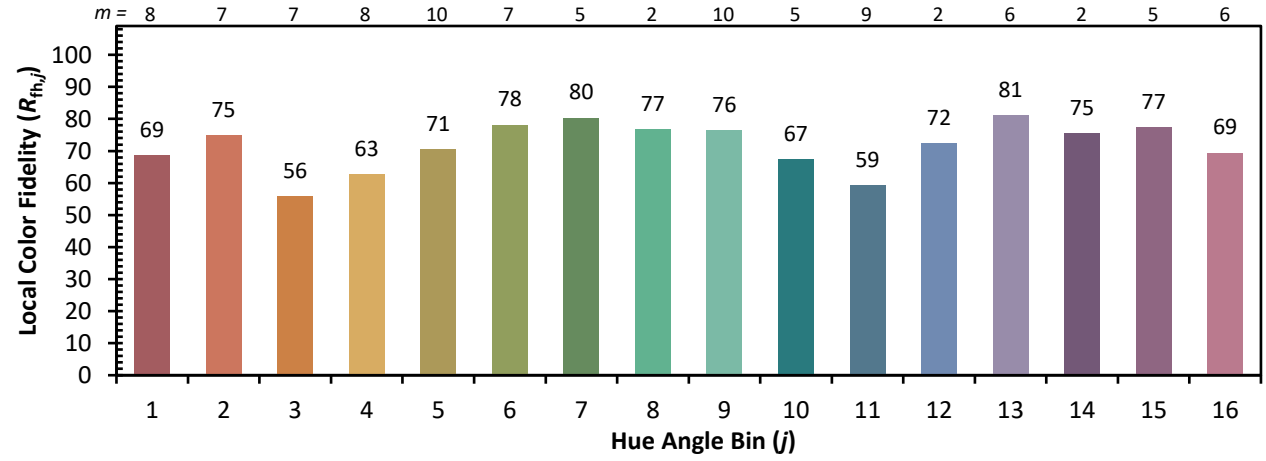
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Color Rendition by Hue-Angle Bin



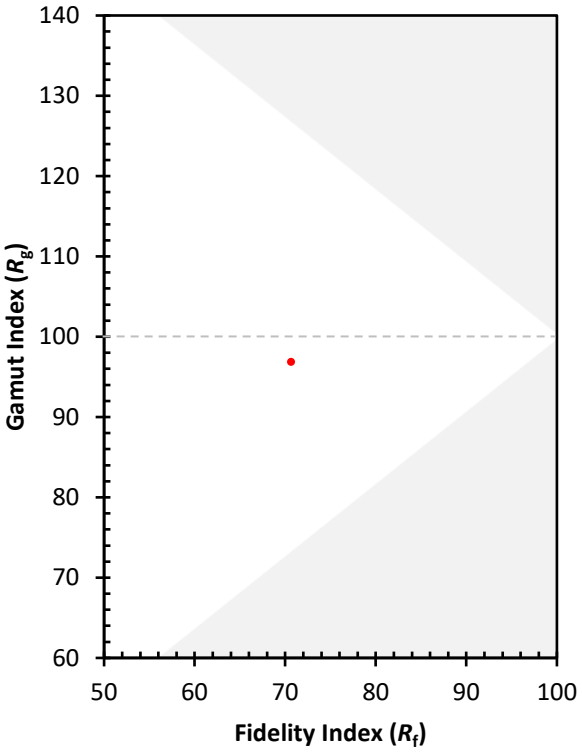


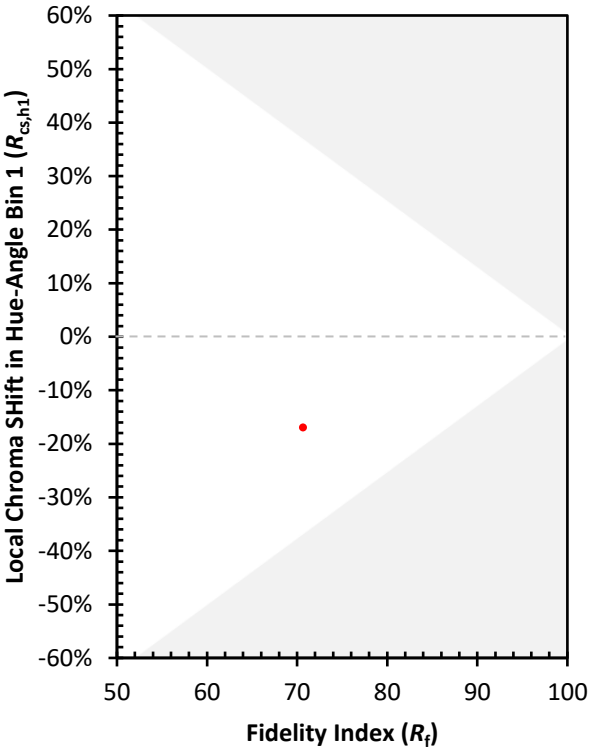


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Measure Comparisons





(END OF REPORT)