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: P1501440

Luminaire Tested: GSS-SB5D-735-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:	P1501440
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5D-735-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 302W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	42608.9 lumens
Efficiency:	N/A
Efficacy:	141.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4

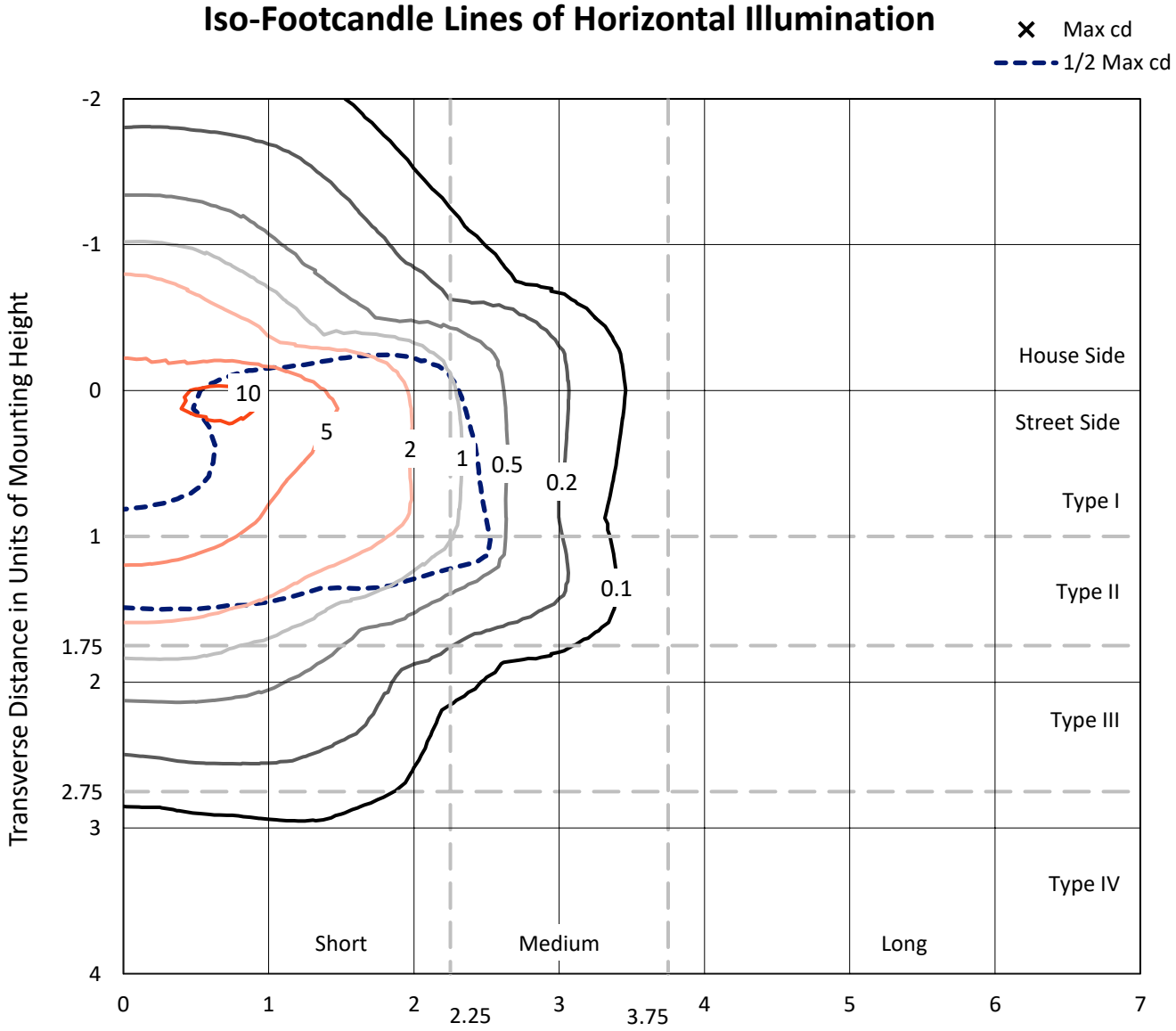
Input Watts (W):	302
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



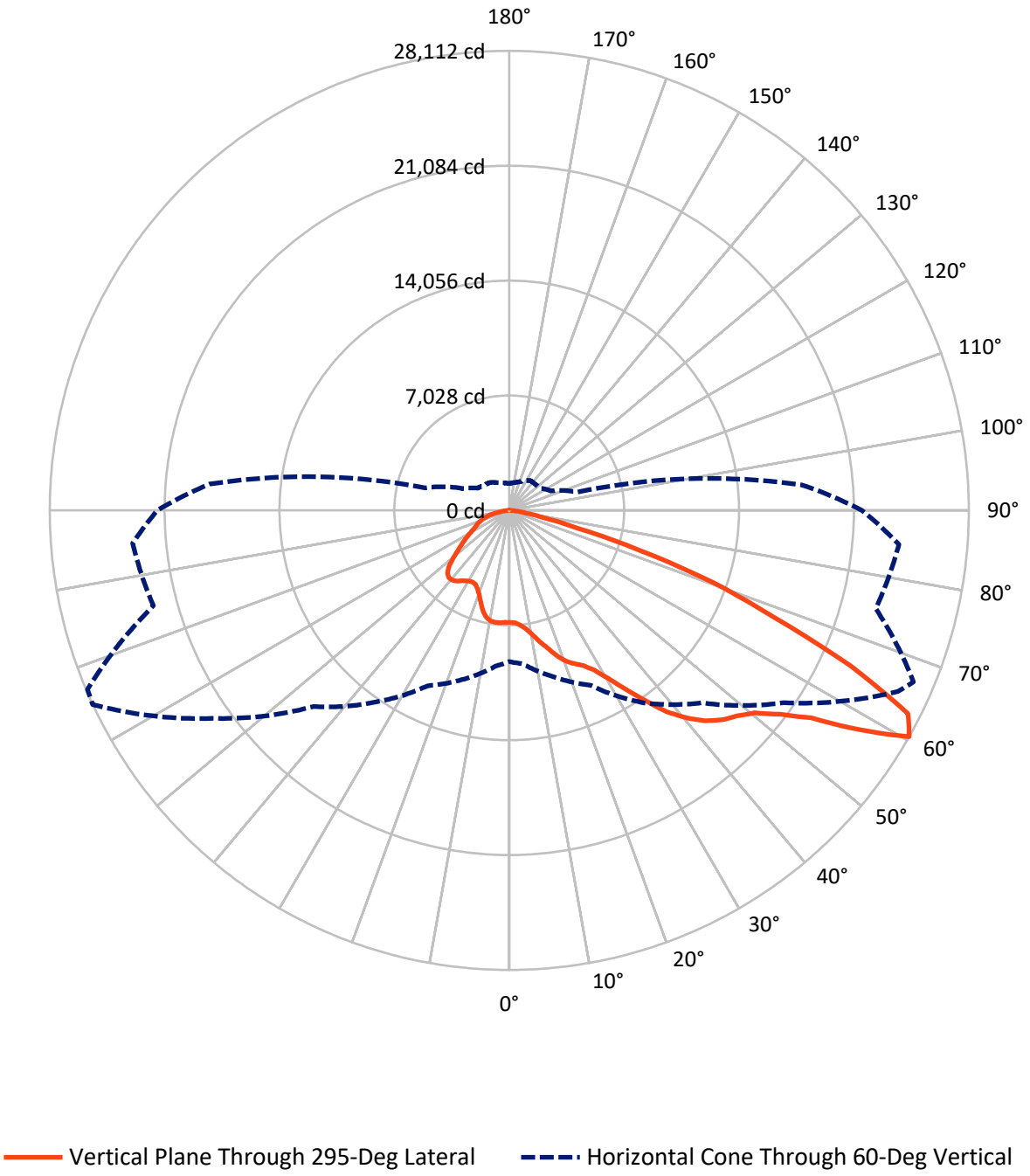
Based on 30 foot mounting height. Maximum calculated value = 11.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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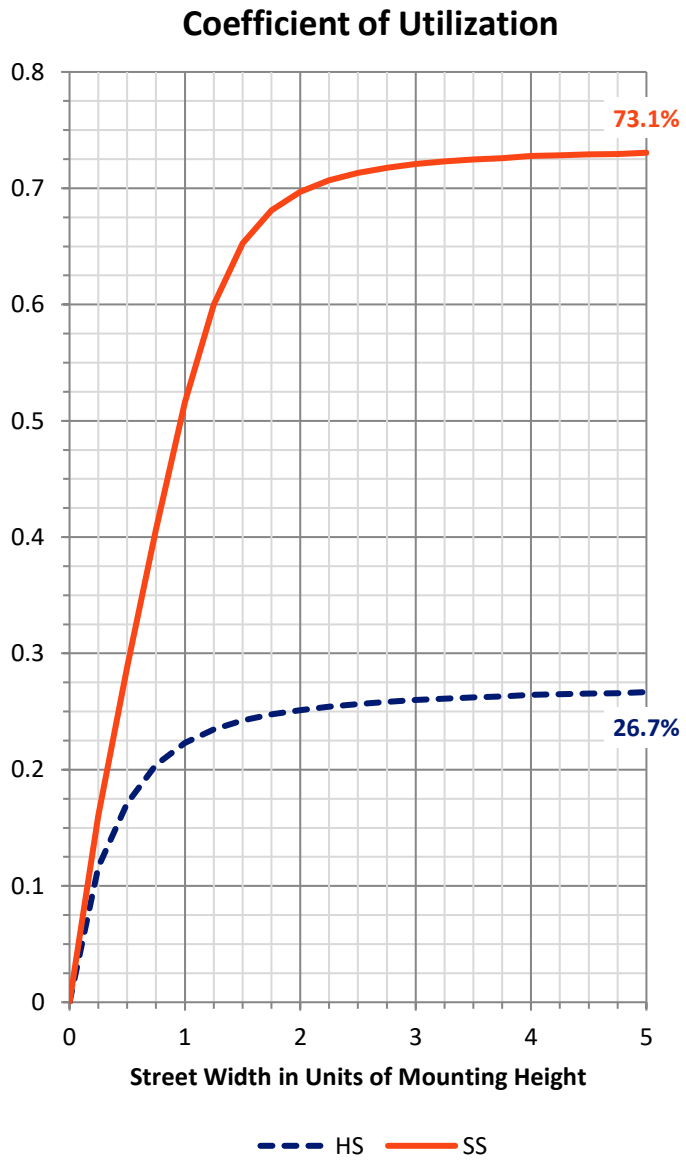
REPORT NUMBER: P1501440
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11458.1	0.0	11458.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	31150.8	0.0	31150.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	42608.9	0.0	42608.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.6	1.5
10°-20°	1853.0	4.3
20°-30°	3509.8	8.2
30°-40°	6187.7	14.5
40°-50°	9150.9	21.5
50°-60°	10745.6	25.2
60°-70°	7785.7	18.3
70°-80°	2401.0	5.6
80°-90°	330.5	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°	42608.9	100.0
0°-180°	42608.9	100.0



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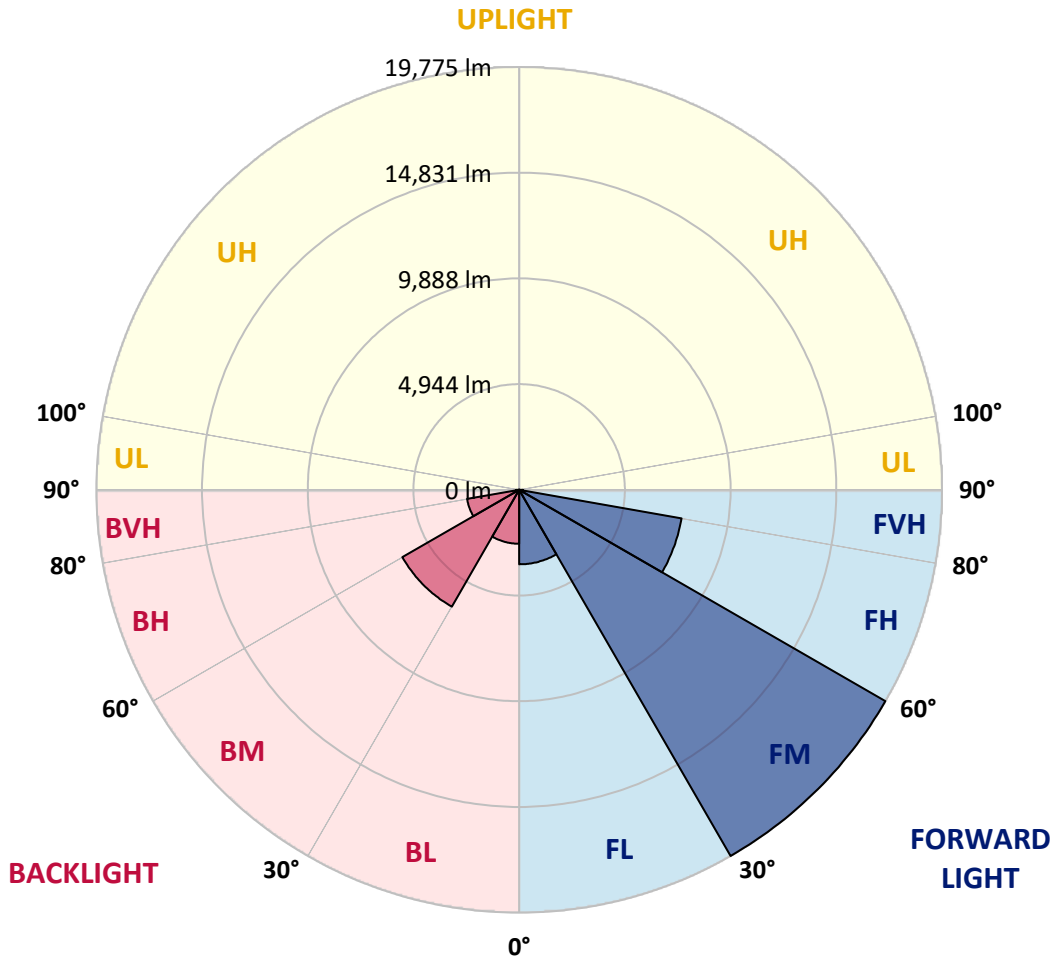
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3484.0	8.2			
FM	(30°-60°)	19775.1	46.4			
FH	(60°-80°)	7713.5	18.1			G4/12000
FVH	(80°-90°)	178.3	0.4			G2/225
BL	(0°-30°)	2523.4	5.9	B4/5000		
BM	(30°-60°)	6309.2	14.8	B4/8500		
BH	(60°-80°)	2473.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	152.2	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°	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6
2.5°	6991.5	7010.9	6981.8	7001.2	7001.2	6972.1	6962.4	6923.5	6943.0	6933.3	6923.5
5°	7156.6	7166.3	7146.9	7176.0	7176.0	7185.7	7176.0	7127.5	7127.5	7127.5	7108.0
7.5°	7108.0	7108.0	7117.8	7214.9	7312.0	7438.2	7438.2	7418.8	7438.2	7428.5	7341.1
10°	6700.2	6739.0	6826.4	7069.2	7302.3	7574.1	7758.6	7816.9	7816.9	7826.6	7681.0
12.5°	5971.9	6001.1	6205.0	6574.0	7059.5	7554.7	8001.4	8292.7	8321.8	8370.4	8176.2
15°	5321.3	5340.7	5486.4	5865.1	6418.6	7292.5	8137.3	8739.4	8836.5	9040.4	8749.1
17.5°	5379.6	5369.9	5408.7	5554.4	5952.5	6865.3	8108.2	9263.8	9438.5	9797.8	9545.4
20°	5729.2	5729.2	5758.3	5787.4	5933.1	6554.5	7894.6	9691.0	10030.9	10730.0	10438.7
22.5°	6282.7	6282.7	6272.9	6321.5	6321.5	6690.5	7904.3	10011.5	10516.4	11769.1	11487.5
25°	7049.8	7010.9	7010.9	7030.4	6943.0	7205.1	8147.1	10341.6	11001.9	13002.3	12759.5
27.5°	7914.0	7943.1	7923.7	7855.7	7739.2	7943.1	8729.7	10856.3	11545.7	14303.5	14206.4
30°	8855.9	8865.6	8885.1	8846.2	8749.1	8894.8	9642.5	11633.1	12264.3	15662.9	15876.6
32.5°	9778.4	9914.4	9865.8	9768.7	9807.5	10069.7	10768.9	12681.8	13332.4	16925.3	17682.7
35°	10953.4	11001.9	11196.1	10836.9	10846.6	11293.2	12206.0	14060.7	14691.9	18236.2	19488.9
37.5°	12662.4	12749.8	12662.4	12099.2	12011.8	12633.3	13604.3	15420.2	15876.6	19226.7	21168.8
40°	14342.3	14449.1	14594.8	13934.5	13381.0	13895.6	14924.9	16459.2	16935.0	19770.5	22285.5
42.5°	15730.9	15905.7	15750.3	15556.1	15051.2	15148.3	15847.4	17265.2	17741.0	20459.9	23411.9
45°	16905.9	16935.0	17003.0	16867.0	16614.6	16527.2	16634.0	17974.0	18498.4	20770.6	23965.4
47.5°	17391.4	17517.6	17575.9	17808.9	18071.1	17896.3	17304.0	18304.2	18780.0	20751.2	24140.2
50°	17129.2	17255.5	17566.2	18119.7	18750.9	19061.6	18090.6	18760.6	19294.6	21100.8	24499.4
52.5°	16439.8	16575.7	17080.7	17711.8	18770.3	19479.1	19197.5	19712.2	20226.8	21722.3	25101.5
55°	14769.6	14973.5	15682.4	16731.1	18187.7	19255.8	20362.8	21110.5	21673.7	22470.0	25723.0
57.5°	12342.0	12555.6	13351.9	14924.9	17109.8	18333.3	20702.7	23732.3	23984.8	23363.3	25781.2
60°	*9244.3*	*9419.1*	*10545.5*	*11807.9*	*14371.5*	*16643.7*	*20508.4*	*26218.2*	*26859.1*	*23208.0*	*23926.5*
62.5°	7321.7	7535.3	8535.5	9118.1	10953.4	13750.0	19828.7	26907.6	27461.1	21926.2	21343.5
65°	5719.4	5865.1	6797.3	7632.4	8079.1	9390.0	16993.3	23538.1	24033.3	19838.4	17614.7
67.5°	3777.4	4000.7	5107.7	6253.5	6486.6	5971.9	11691.4	18110.0	18343.0	15769.8	13245.0
70°	2709.2	2816.0	3641.4	4864.9	5214.5	4000.7	6370.0	13711.1	13779.1	10584.4	8923.9
72.5°	1845.0	1864.4	2476.2	3728.8	4156.1	2903.4	3505.5	9030.7	8797.7	5224.2	5107.7
75°	1252.6	1272.1	1582.8	2485.9	2942.3	2019.8	2282.0	4923.2	4729.0	2884.0	3097.6
77.5°	844.8	864.2	1087.6	1670.2	1961.5	1398.3	1670.2	2602.4	2553.8	1913.0	1660.5
80°	640.9	670.0	806.0	1068.1	1369.2	815.7	951.6	1233.2	1252.6	1019.6	844.8
82.5°	359.3	398.1	485.5	543.8	883.7	456.4	456.4	738.0	708.9	631.2	456.4
85°	155.4	165.1	194.2	203.9	359.3	194.2	165.1	320.4	330.2	310.7	145.7
87.5°	29.1	29.1	29.1	29.1	29.1	29.1	29.1	38.8	38.8	38.8	38.8
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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Scaled Data Report

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6
2.5°	6875.0	6933.3	6875.0	6845.9	6845.9	6797.3	6777.9	6777.9	6709.9	6739.0	6719.6
5°	7030.4	7049.8	6981.8	6894.4	6777.9	6680.8	6544.8	6370.0	6263.2	6253.5	6263.2
7.5°	7273.1	7282.8	7098.3	6904.1	6612.8	6263.2	5845.7	5505.8	5204.8	5156.2	5214.5
10°	7613.0	7593.6	7321.7	6865.3	6253.5	5515.5	4874.6	4563.9	4389.1	4379.4	4369.7
12.5°	8069.4	7943.1	7525.6	6700.2	5632.1	4777.5	4447.4	4428.0	4476.5	4515.4	4525.1
15°	8593.7	8428.7	7690.7	6379.8	5000.9	4505.6	4525.1	4690.1	4748.4	4787.2	4787.2
17.5°	9244.3	9030.7	7875.2	5923.4	4680.4	4563.9	4699.9	4855.2	4952.3	4991.2	4981.5
20°	10108.6	9661.9	8020.8	5486.4	4593.0	4661.0	4777.5	4932.9	5030.0	5078.6	5078.6
22.5°	10972.8	10419.3	8050.0	5185.4	4593.0	4670.7	4777.5	4932.9	5039.7	5088.3	5078.6
25°	12147.8	11390.3	8059.7	4971.7	4602.7	4622.2	4719.3	4855.2	5010.6	5059.1	5078.6
27.5°	13400.4	12458.5	8108.2	4923.2	4563.9	4554.2	4622.2	4748.4	4903.8	5030.0	5039.7
30°	14954.1	13662.6	8127.6	4971.7	4573.6	4447.4	4495.9	4622.2	4787.2	4913.5	4952.3
32.5°	16478.6	14779.3	8088.8	5078.6	4593.0	4379.4	4389.1	4466.8	4641.6	4729.0	4797.0
35°	18090.6	15964.0	8020.8	5224.2	4602.7	4350.3	4262.9	4301.7	4418.3	4428.0	4457.1
37.5°	19352.9	16847.6	7816.9	5418.4	4622.2	4243.5	4068.7	4039.5	3991.0	3893.9	3913.3
40°	20391.9	17440.0	7477.0	5515.5	4573.6	4117.2	3825.9	3690.0	3505.5	3359.8	3388.9
42.5°	21139.6	17838.1	7069.2	5535.0	4495.9	3903.6	3544.3	3311.3	3107.3	2952.0	2961.7
45°	21469.8	17799.2	6632.2	5389.3	4311.4	3641.4	3282.1	3058.8	2835.4	2670.4	2651.0
47.5°	21479.5	17420.5	6030.2	5039.7	4000.7	3340.4	3039.4	2796.6	2612.1	2495.6	2485.9
50°	21557.2	17206.9	5467.0	4534.8	3592.9	3019.9	2825.7	2583.0	2476.2	2311.1	2262.5
52.5°	22042.7	17556.5	5078.6	3981.3	3214.2	2786.9	2641.2	2427.6	2252.8	2146.0	2136.3
55°	22829.2	18158.5	4864.9	3563.7	2854.9	2563.6	2466.5	2282.0	2126.6	2019.8	1990.6
57.5°	22926.3	18469.3	4612.5	3175.3	2563.6	2388.8	2349.9	2146.0	1922.7	1845.0	1815.9
60°	*21566.9*	*17944.9*	*4301.7*	*2816.0*	*2349.9*	*2252.8*	*2233.4*	*1961.5*	*1777.0*	*1679.9*	*1641.1*
62.5°	19712.2	16634.0	3825.9	2485.9	2184.8	2116.9	2039.2	1825.6	1592.5	1485.7	1456.6
65°	16109.6	13983.0	3253.0	2262.5	2019.8	1942.1	1922.7	1631.4	1476.0	1417.7	1408.0
67.5°	12206.0	11235.0	2864.6	2097.5	1845.0	1815.9	1747.9	1650.8	1582.8	1514.8	1495.4
70°	8632.6	8108.2	2437.3	1883.8	1670.2	1621.6	1903.2	1796.4	1553.7	1466.3	1456.6
72.5°	5233.9	5088.3	2107.2	1689.6	1437.1	1514.8	1757.6	1621.6	1398.3	1291.5	1252.6
75°	3301.5	3019.9	1767.3	1437.1	1145.8	1233.2	1534.2	1446.9	1204.1	1097.3	1068.1
77.5°	1796.4	1670.2	1330.3	1175.0	903.1	1000.2	1340.0	1194.4	961.3	1048.7	932.2
80°	786.5	873.9	883.7	679.7	602.0	738.0	961.3	932.2	738.0	747.7	621.5
82.5°	378.7	495.2	572.9	466.1	339.9	437.0	640.9	534.1	495.2	466.1	446.7
85°	116.5	184.5	252.5	223.3	155.4	184.5	301.0	291.3	349.6	301.0	281.6
87.5°	38.8	38.8	29.1	29.1	29.1	38.8	48.6	29.1	9.7	9.7	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°	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6
2.5°	6709.9	6719.6	6719.6	6729.3	6729.3	6758.5	6797.3	6836.1	6807.0	6845.9	6855.6
5°	6243.8	6292.4	6331.2	6476.9	6593.4	6690.5	6797.3	6894.4	6923.5	6943.0	6991.5
7.5°	5146.5	5282.5	5535.0	5865.1	6234.1	6593.4	6836.1	7088.6	7127.5	7176.0	7244.0
10°	4379.4	4437.7	4612.5	4952.3	5612.6	6321.5	6913.8	7312.0	7477.0	7574.1	7642.1
12.5°	4505.6	4466.8	4437.7	4486.2	4913.5	5826.3	6865.3	7632.4	7943.1	8050.0	8137.3
15°	4806.7	4767.8	4661.0	4525.1	4573.6	5301.9	6700.2	7933.4	8428.7	8603.5	8787.9
17.5°	4981.5	4942.6	4855.2	4709.6	4583.3	4864.9	6389.5	8205.3	9195.8	9409.4	9671.6
20°	5078.6	5039.7	4952.3	4806.7	4661.0	4699.9	5991.3	8545.2	10069.7	10409.6	10798.0
22.5°	5098.0	5049.4	4952.3	4806.7	4719.3	4690.1	5612.6	8749.1	11011.6	11536.0	11982.7
25°	5088.3	5000.9	4874.6	4767.8	4719.3	4709.6	5350.5	8865.6	12031.2	12866.3	13371.3
27.5°	5020.3	4913.5	4787.2	4709.6	4690.1	4748.4	5233.9	9001.6	13225.6	14293.8	15099.7
30°	4942.6	4787.2	4631.9	4602.7	4651.3	4835.8	5331.0	9050.1	14478.3	15847.4	16672.8
32.5°	4738.7	4622.2	4466.8	4457.1	4573.6	4903.8	5554.4	8982.2	15585.3	17401.1	18440.1
35°	4447.4	4379.4	4292.0	4321.1	4505.6	4962.0	5709.7	8768.5	16595.1	18848.0	20061.8
37.5°	3932.7	3981.3	4029.8	4097.8	4330.9	4952.3	5777.7	8428.7	17430.2	20003.5	21557.2
40°	3359.8	3524.9	3680.3	3855.0	4165.8	4874.6	5797.1	8011.1	17915.8	20877.4	22887.5
42.5°	3000.5	3155.9	3350.1	3602.6	3942.4	4699.9	5777.7	7545.0	18071.1	21479.5	23732.3
45°	2670.4	2854.9	3097.6	3359.8	3748.2	4447.4	5602.9	7040.1	18148.8	21761.1	24091.6
47.5°	2495.6	2602.4	2825.7	3087.9	3495.8	4136.6	5263.1	6671.1	18032.3	21819.4	24528.6
50°	2291.7	2437.3	2583.0	2835.4	3233.6	3748.2	4855.2	6457.4	18226.5	22392.3	25218.0
52.5°	2136.3	2214.0	2369.3	2602.4	2893.7	3388.9	4466.8	6282.7	18760.6	22974.9	25936.6
55°	2019.8	2107.2	2204.3	2398.5	2621.8	3029.7	4068.7	6020.5	19382.0	23596.4	26655.2
57.5°	1835.3	1893.5	2029.5	2233.4	2379.1	2680.1	3602.6	5709.7	19333.5	23110.8	25412.2
60°	*1670.2*	*1728.5*	*1874.1*	*2078.0*	*2165.4*	*2369.3*	*3146.2*	*5311.6*	*18401.3*	*21528.0*	*23120.6*
62.5°	1485.7	1553.7	1728.5	1874.1	1951.8	2107.2	2670.4	4583.3	16459.2	19149.0	20440.5
65°	1408.0	1446.9	1563.4	1738.2	1728.5	1874.1	2252.8	3602.6	13245.0	14633.6	15808.6
67.5°	1495.4	1553.7	1534.2	1582.8	1553.7	1631.4	2019.8	2893.7	10409.6	11021.3	11701.1
70°	1476.0	1611.9	1679.9	1582.8	1359.5	1446.9	1747.9	2311.1	7447.9	7389.6	7360.5
72.5°	1291.5	1427.4	1621.6	1718.7	1330.3	1204.1	1514.8	2000.4	4777.5	4758.1	4301.7
75°	1097.3	1194.4	1427.4	1553.7	1145.8	971.0	1301.2	1699.3	2854.9	2893.7	2583.0
77.5°	1009.9	961.3	1194.4	1369.2	932.2	747.7	1048.7	1281.8	1573.1	1592.5	1476.0
80°	728.3	699.2	893.4	1000.2	708.9	534.1	592.3	796.3	844.8	757.4	786.5
82.5°	466.1	475.8	534.1	640.9	437.0	291.3	407.8	534.1	456.4	369.0	437.0
85°	301.0	339.9	281.6	330.2	135.9	135.9	174.8	233.1	155.4	106.8	116.5
87.5°	0.0	0.0	19.4	38.8	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: P1501440
CATALOG NUMBER: GSS-SB5D-735-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	6855.6	6855.6	*6855.6*	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6	6855.6
2.5°	6884.7	6875.0	*6875.0*	6894.4	6943.0	6962.4	6991.5	6981.8	7010.9	6991.5
5°	7020.6	7030.4	*7059.5*	7069.2	7098.3	7137.2	7146.9	7137.2	7156.6	7156.6
7.5°	7292.5	7331.4	*7312.0*	7360.5	7321.7	7273.1	7195.4	7137.2	7088.6	7108.0
10°	7748.9	7729.5	*7719.8*	7632.4	7457.6	7205.1	7001.2	6777.9	6739.0	6700.2
12.5°	8253.9	8234.5	*8234.5*	7933.4	7438.2	6913.8	6447.7	6098.2	5981.6	5971.9
15°	8962.7	8836.5	*8720.0*	8088.8	7098.3	6205.0	5661.2	5389.3	5321.3	5321.3
17.5°	9846.4	9516.2	*9322.0*	7972.3	6544.8	5738.9	5418.4	5350.5	5331.0	5379.6
20°	10943.7	10108.6	*9827.0*	7710.1	6340.9	5797.1	5641.8	5651.5	5661.2	5729.2
22.5°	12147.8	10652.4	*10186.3*	7710.1	6544.8	6166.1	6088.4	6195.3	6224.4	6282.7
25°	13487.8	11137.9	*10506.7*	8117.9	7146.9	6865.3	6768.2	6875.0	6952.7	7049.8
27.5°	14992.9	11642.8	*11060.2*	8855.9	7923.7	7748.9	7642.1	7690.7	7797.5	7914.0
30°	16342.7	12487.6	*11905.0*	9982.3	8982.2	8768.5	8584.0	8661.7	8778.2	8855.9
32.5°	17537.1	13516.9	*13021.7*	11167.0	10196.0	9827.0	9623.0	9603.6	9836.7	9778.4
35°	18634.3	14730.7	*14254.9*	12516.8	11429.2	10972.8	10700.9	11050.5	10895.1	10953.4
37.5°	19498.6	15993.1	*15614.4*	13808.2	12711.0	12089.5	11924.4	12351.7	12594.4	12662.4
40°	20207.4	17090.4	*16692.2*	15090.0	13885.9	13429.5	13691.7	14400.6	14371.5	14342.3
42.5°	20751.2	18032.3	*17595.3*	16061.1	15012.3	15099.7	15303.7	15779.5	15896.0	15730.9
45°	20994.0	18624.6	*18275.0*	16828.2	16294.1	16799.1	16886.5	17090.4	17012.7	16905.9
47.5°	21275.6	19149.0	*18780.0*	17527.3	17682.7	18177.9	18003.2	17838.1	17556.5	17391.4
50°	21751.4	19770.5	*19459.7*	18546.9	19110.1	18945.1	18265.3	17896.3	17323.4	17129.2
52.5°	22654.5	20945.4	*20712.4*	20158.9	19780.2	18828.5	18003.2	17342.8	16702.0	16439.8
55°	23460.4	22537.9	*22402.0*	21664.0	19576.2	18216.8	17109.8	16090.2	14992.9	14769.6
57.5°	23926.5	25179.2	*25334.5*	22304.9	18644.0	16828.2	15196.8	13565.5	12526.5	12342.0
60°	*22537.9*	*28034.0*	*28111.7*	*22178.6*	*16964.1*	*14322.9*	*11837.0*	*10681.5*	*9564.8*	*9244.3*
62.5°	20625.0	27441.7	*27373.7*	21421.2	13507.2	10448.4	8991.9	8448.1	7583.9	7321.7
65°	17731.3	22858.4	*22936.1*	18508.1	8982.2	7554.7	7554.7	6865.3	5903.9	5719.4
67.5°	14449.1	17624.4	*17449.7*	12002.1	5515.5	6049.6	6340.9	5350.5	4000.7	3777.4
70°	9390.0	13458.7	*13215.9*	6923.5	3466.6	5039.7	4991.2	4020.1	2864.6	2709.2
72.5°	4039.5	7778.1	*8273.3*	3534.6	2612.1	4059.0	3981.3	2816.0	1913.0	1845.0
75°	2437.3	3913.3	*4262.9*	2252.8	1903.2	3058.8	2757.8	1786.7	1301.2	1252.6
77.5°	1544.0	2146.0	*2126.6*	1689.6	1427.4	2068.3	1854.7	1233.2	883.7	844.8
80°	893.4	1058.4	*1097.3*	1058.4	961.3	1476.0	1184.7	893.4	689.4	640.9
82.5°	572.9	660.3	*670.0*	514.7	534.1	951.6	640.9	524.4	398.1	359.3
85°	252.5	281.6	*271.9*	174.8	174.8	388.4	223.3	213.6	155.4	155.4
87.5°	9.7	19.4	*9.7*	9.7	9.7	38.8	19.4	29.1	29.1	29.1
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

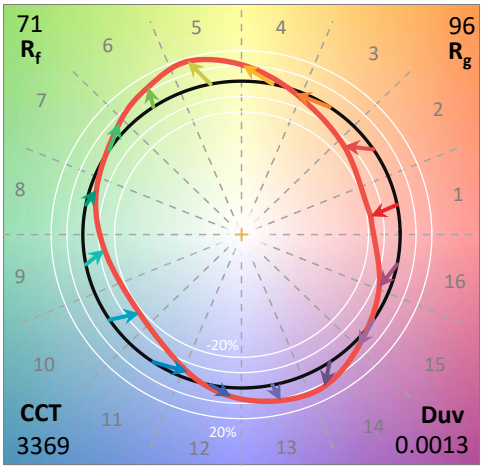
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

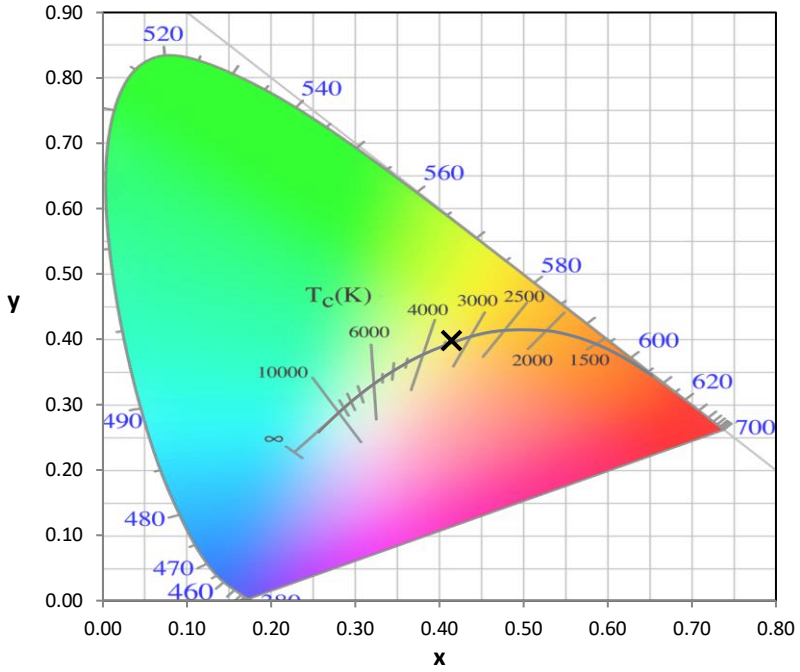
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

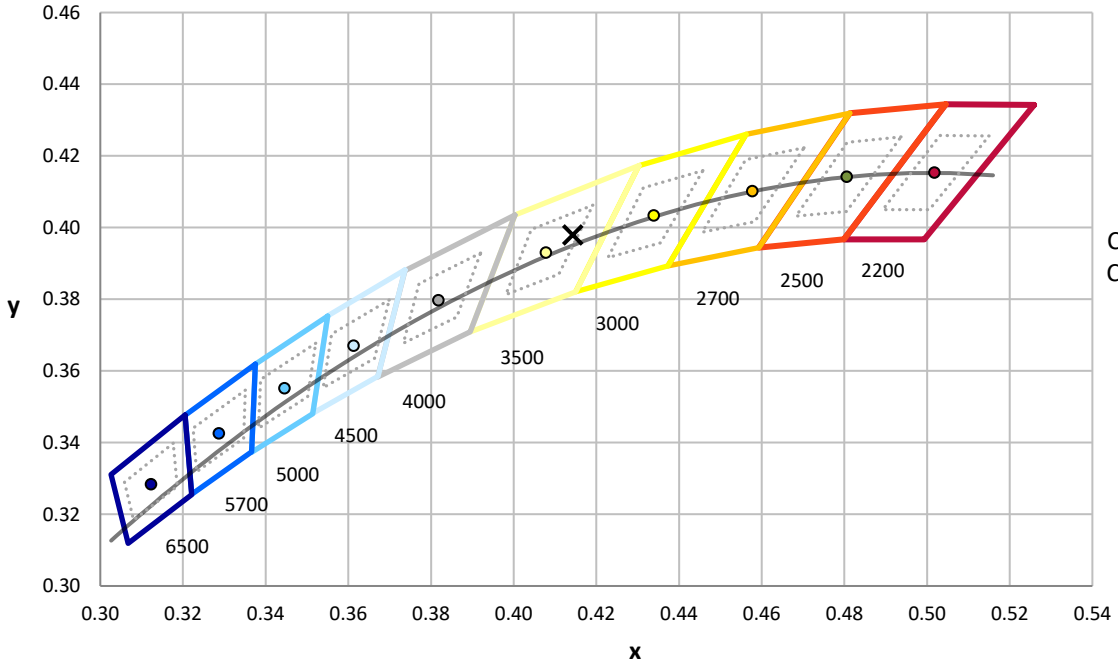
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

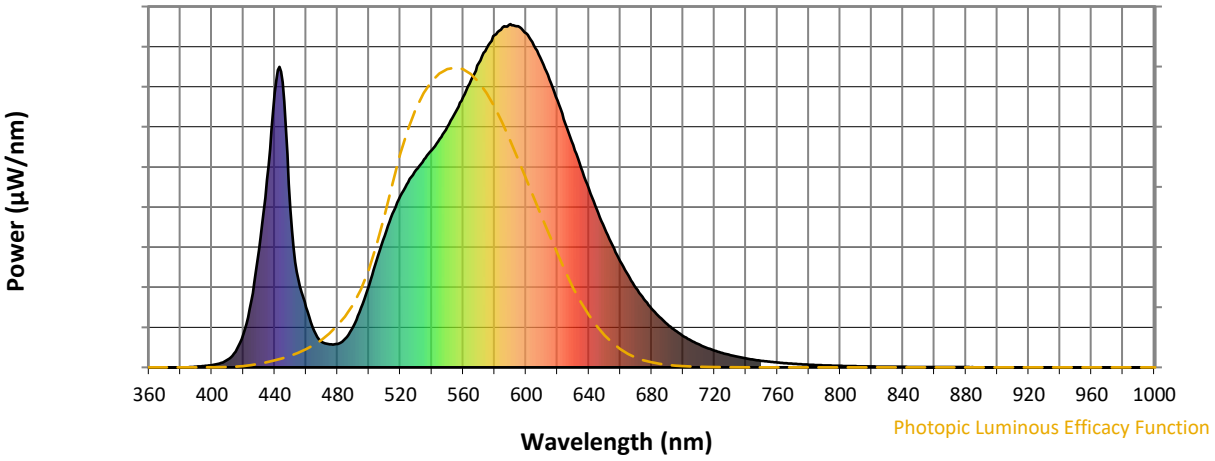


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

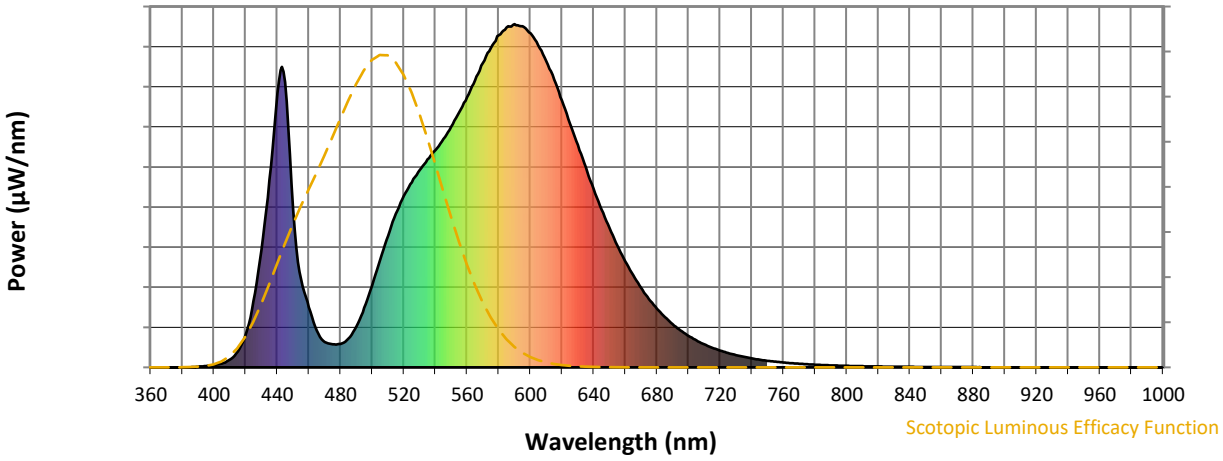


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

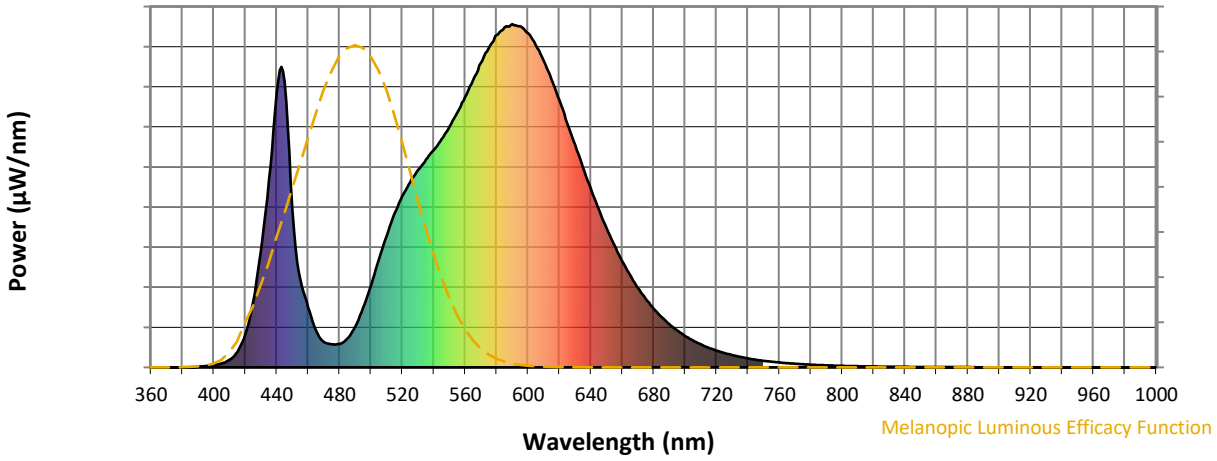


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

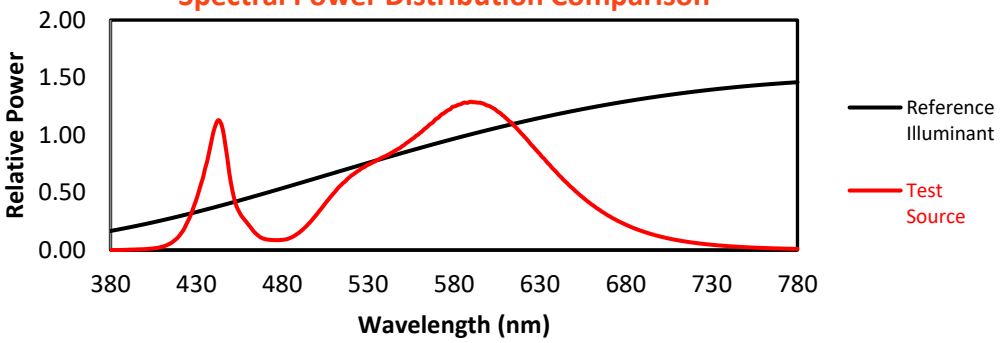
REPORT NUMBER: SP1-2407-184-5

TM-30-18

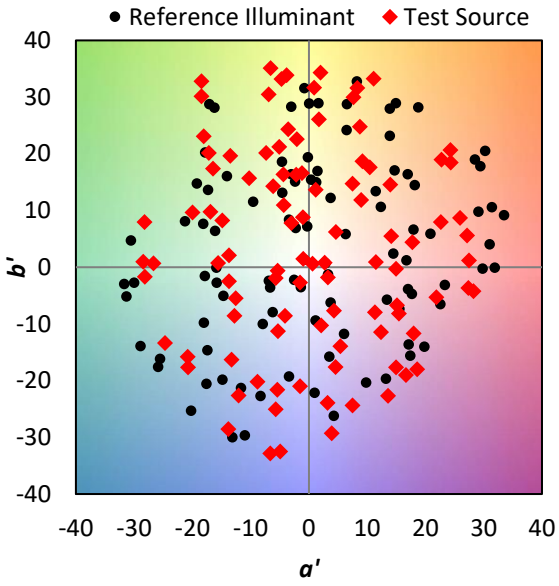
Summary

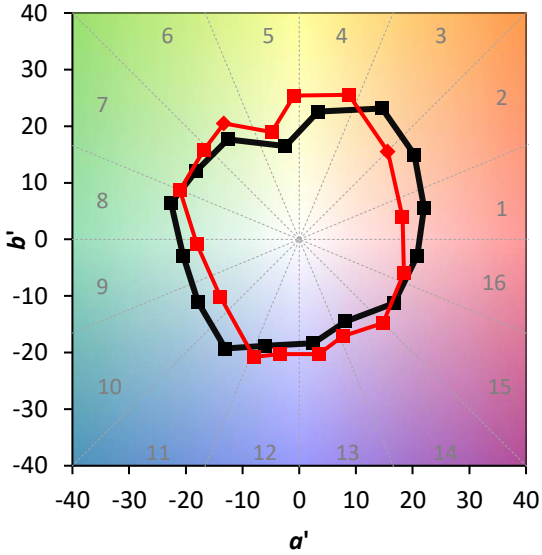
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

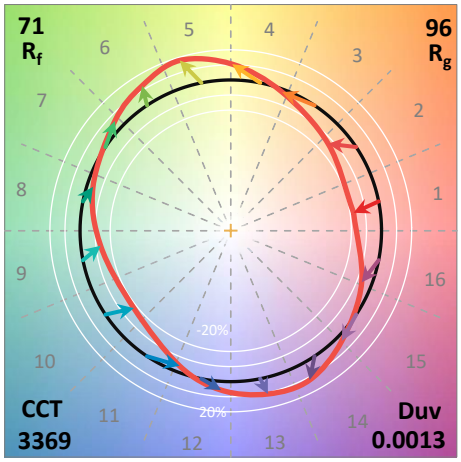
Spectral Power Distribution Comparison

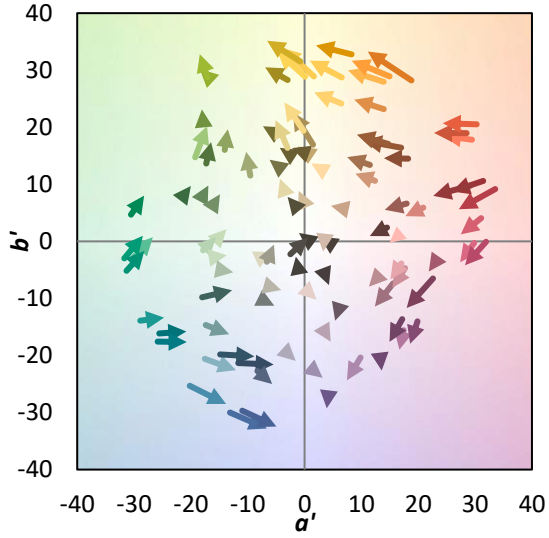


Color Vector Graphics







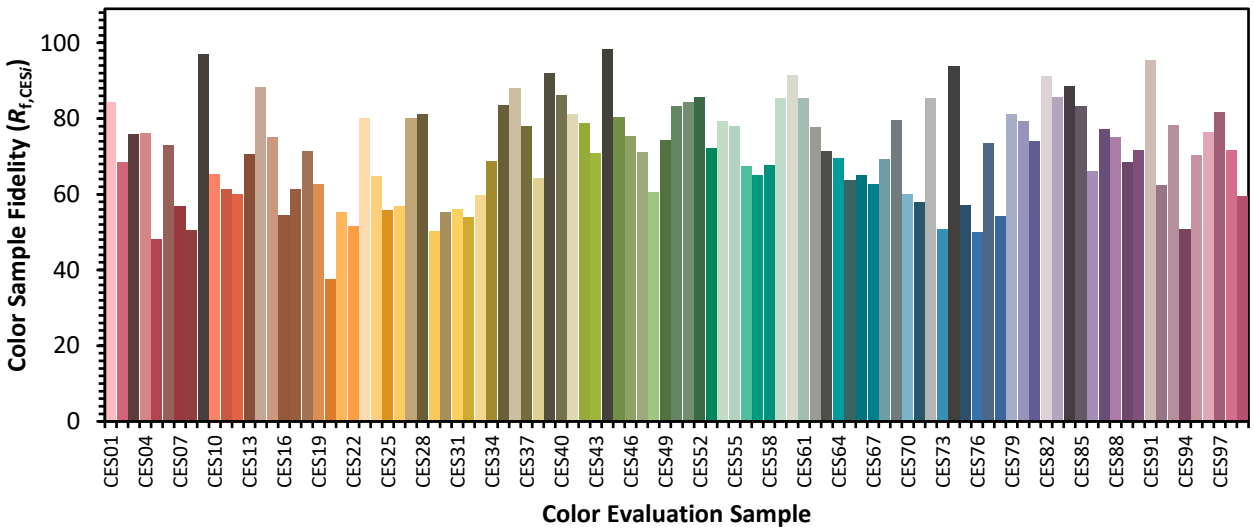


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Individual Sample Fidelity Index ($R_{f,i}$)

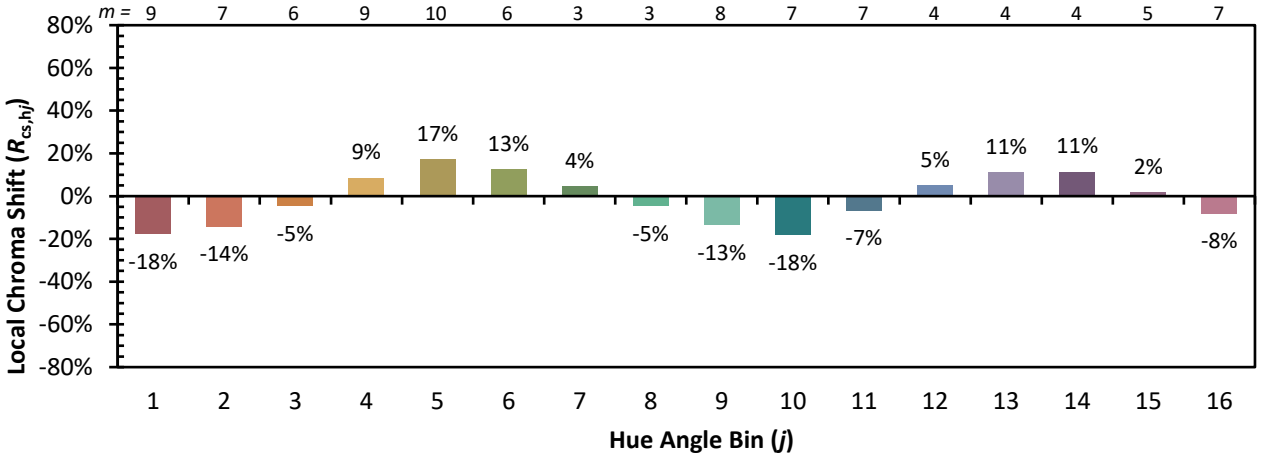
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

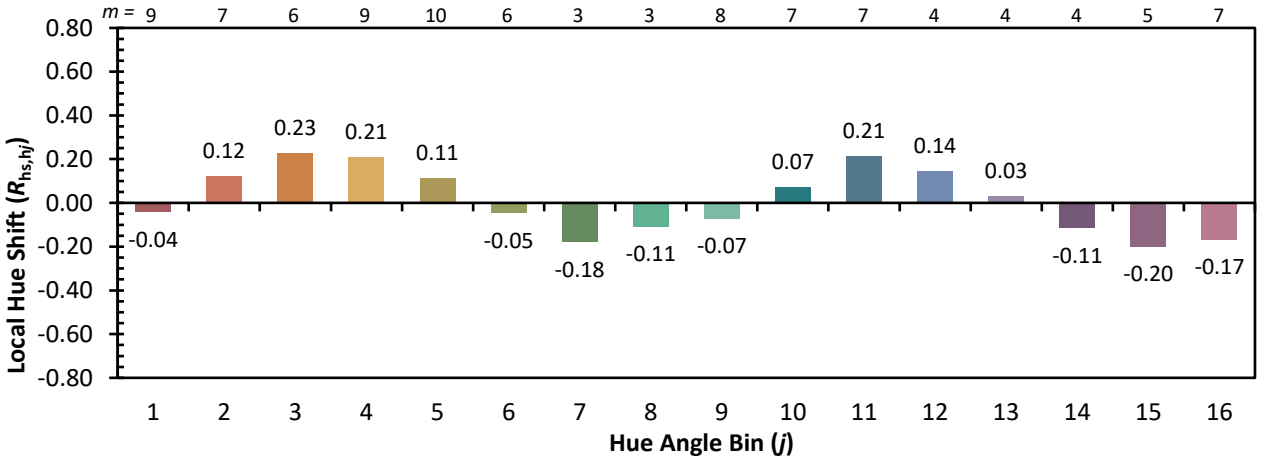


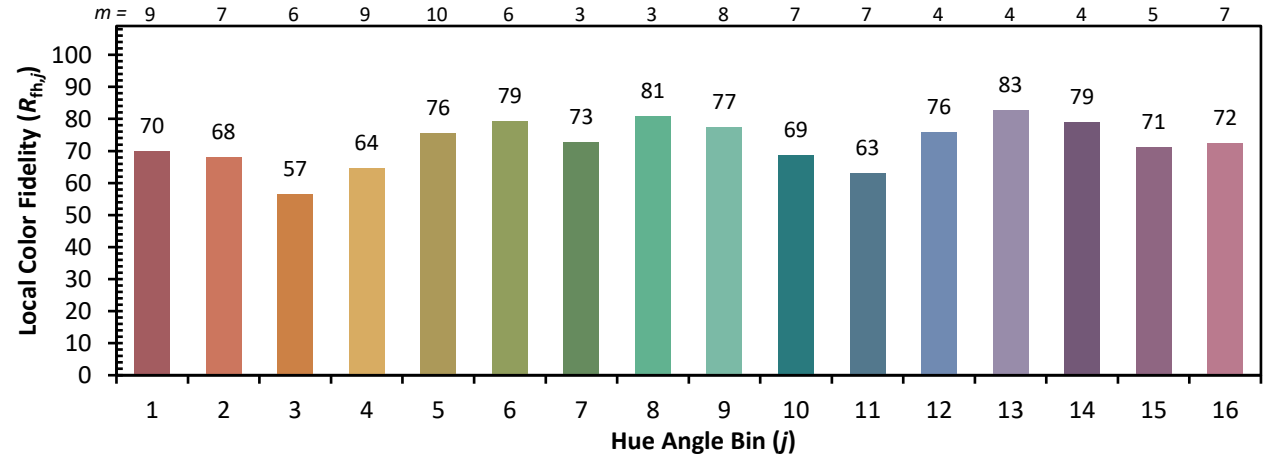
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Color Rendition by Hue-Angle Bin



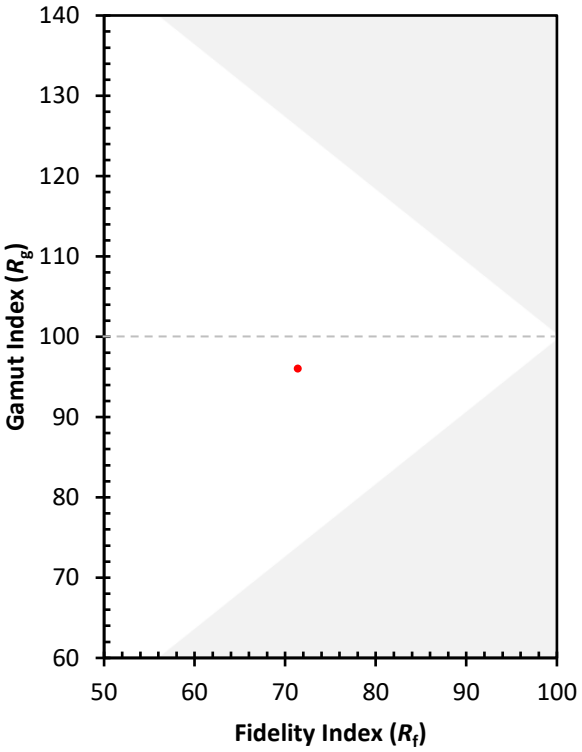


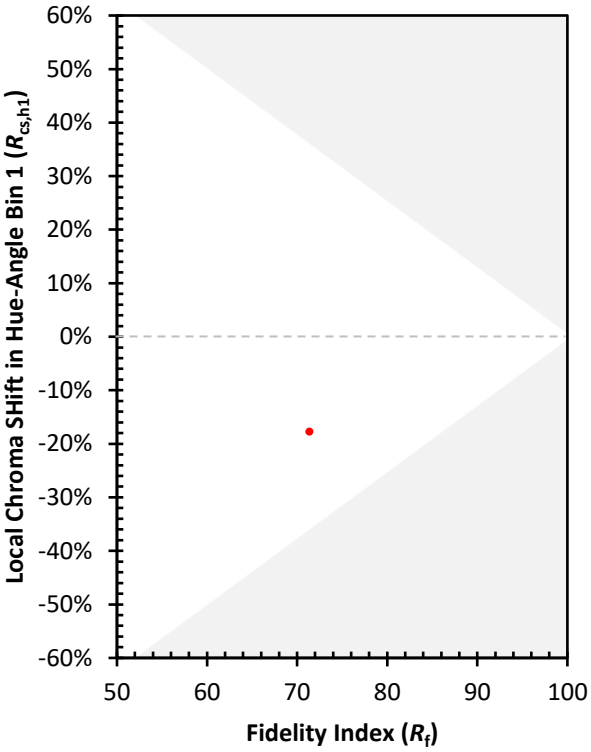


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Measure Comparisons





(END OF REPORT)