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: P1501887

Luminaire Tested: GSS-SB3C-827-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501887
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14680.3 lumens
Efficiency:	N/A
Efficacy:	97.9 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

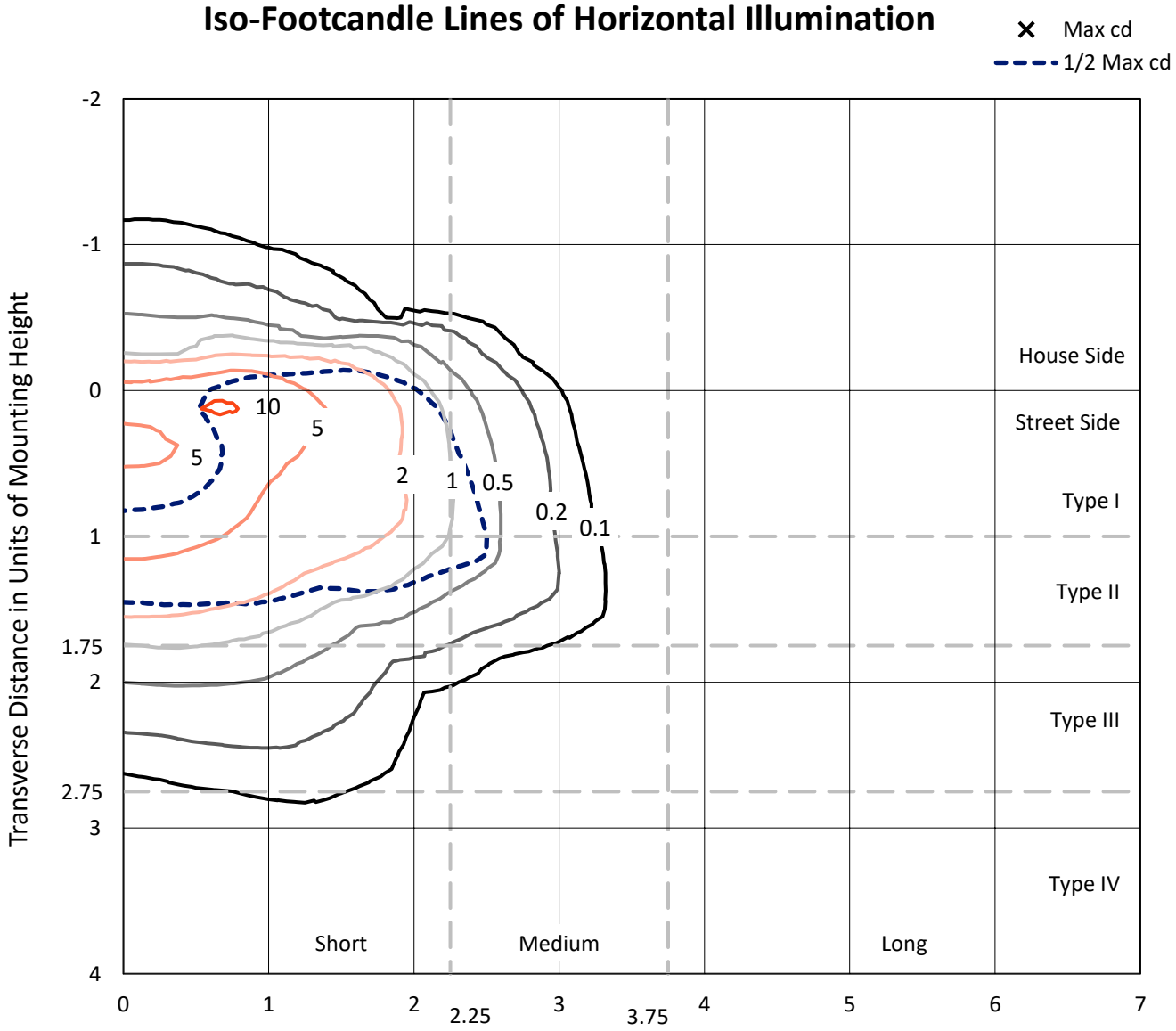
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



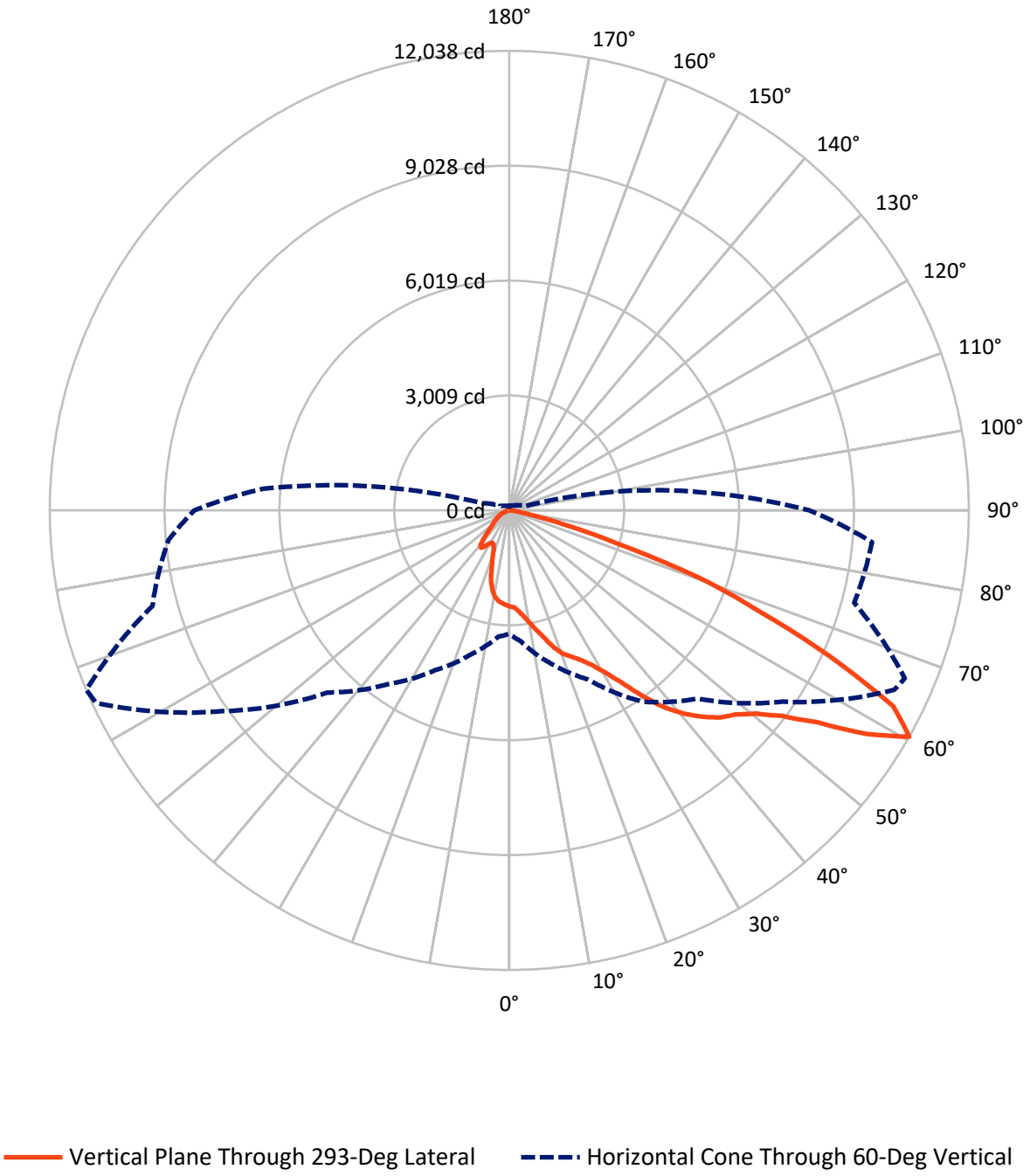
Based on 20 foot mounting height. Maximum calculated value = 10.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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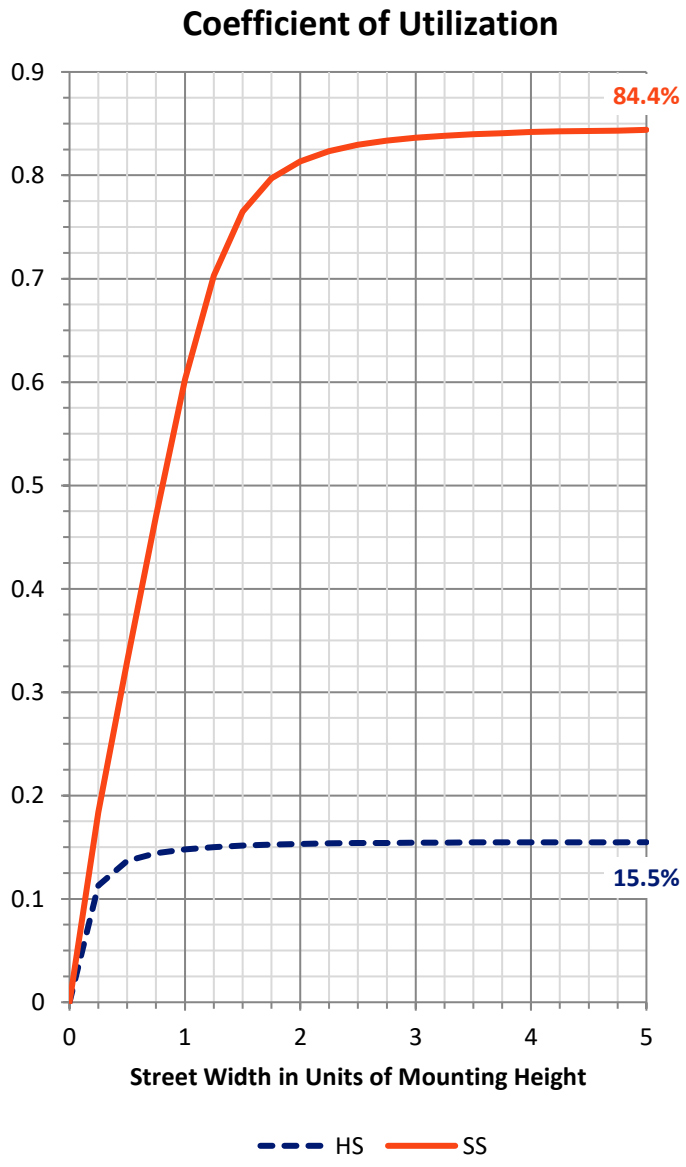
REPORT NUMBER: P1501887
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2290.5	0.0	2290.5
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	12389.8	0.0	12389.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	14680.3	0.0	14680.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	1.6
10°-20°	573.8	3.9
20°-30°	1071.2	7.3
30°-40°	2124.2	14.5
40°-50°	3386.7	23.1
50°-60°	4046.3	27.6
60°-70°	2652.6	18.1
70°-80°	555.7	3.8
80°-90°	42.0	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°	14680.3	100.0
0°-180°	14680.3	100.0



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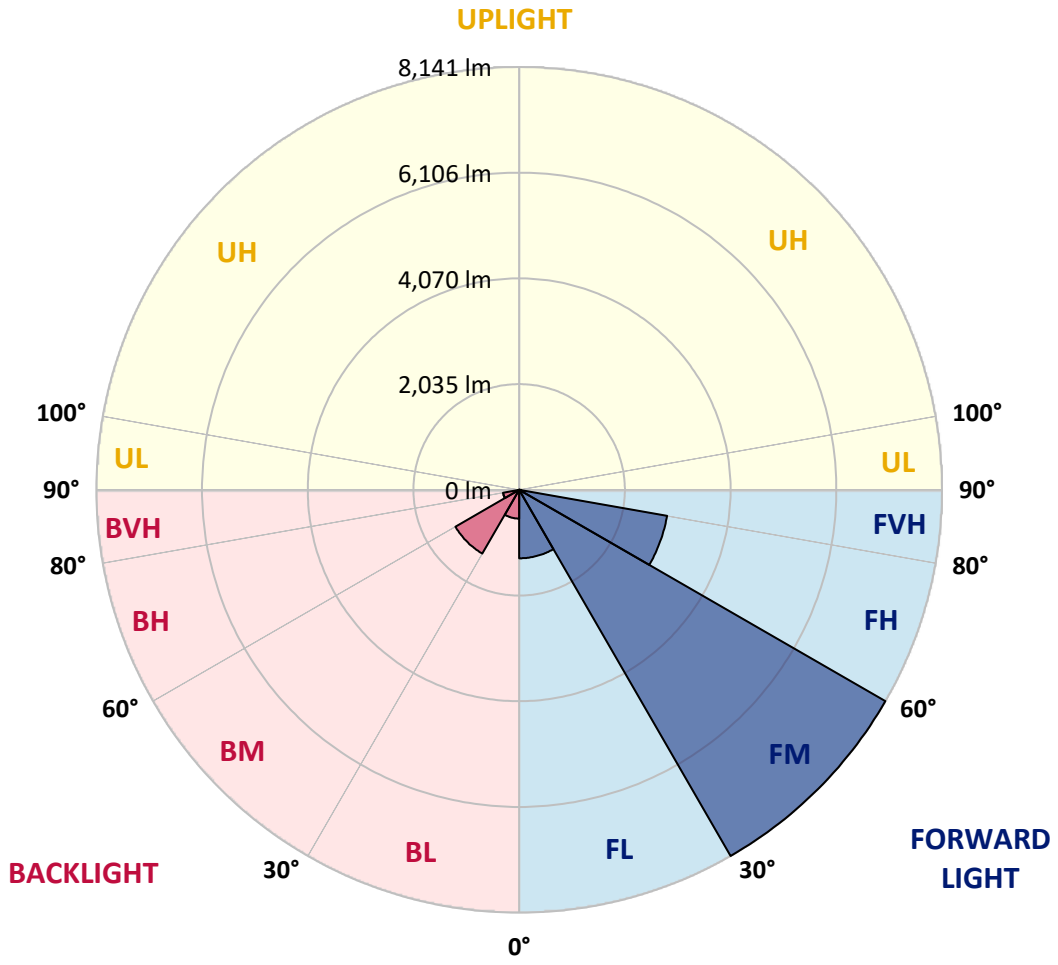
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1318.6	9.0			
FM	(30°-60°)	8140.8	55.5			
FH	(60°-80°)	2891.9	19.7			G2/5000
FVH	(80°-90°)	38.5	0.3			G1/100
BL	(0°-30°)	554.1	3.8	B2/1000		
BM	(30°-60°)	1416.4	9.6	B2/2500		
BH	(60°-80°)	316.4	2.2	B1/500		G1/500
BVH	(80°-90°)	3.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1
2.5°	2643.5	2635.3	2622.9	2627.1	2622.9	2606.5	2581.8	2561.3	2577.7	2553.1	2536.6
5°	2721.6	2721.6	2713.4	2713.4	2717.5	2709.3	2692.8	2664.1	2668.2	2647.6	2594.2
7.5°	2721.6	2709.3	2729.8	2750.4	2787.4	2807.9	2816.2	2799.7	2807.9	2766.8	2696.9
10°	2561.3	2553.1	2606.5	2684.6	2791.5	2886.1	2947.7	2951.8	2964.2	2923.1	2840.8
12.5°	2220.0	2203.6	2310.5	2458.5	2676.4	2894.3	3067.0	3132.7	3161.5	3145.1	3030.0
15°	1903.5	1924.0	1998.0	2158.4	2450.3	2783.3	3132.7	3350.6	3391.7	3412.3	3276.6
17.5°	1870.6	1874.7	1899.4	1977.5	2199.5	2602.4	3141.0	3576.7	3634.3	3724.7	3539.7
20°	1961.0	1952.8	1977.5	2002.2	2109.0	2442.1	3062.8	3794.6	3905.6	4098.9	3897.4
22.5°	2129.6	2129.6	2141.9	2158.4	2211.8	2429.7	3030.0	3996.1	4185.2	4579.9	4345.5
25°	2413.3	2380.4	2388.6	2368.1	2413.3	2577.7	3104.0	4156.4	4415.4	5114.3	4880.0
27.5°	2853.2	2865.5	2791.5	2680.5	2705.2	2845.0	3284.8	4337.3	4653.9	5669.3	5422.7
30°	3461.6	3441.1	3395.9	3178.0	3079.3	3202.6	3617.9	4633.3	4974.6	6372.4	6146.2
32.5°	3938.5	3996.1	3918.0	3765.9	3613.7	3650.7	4086.5	5110.2	5365.1	7017.8	6894.5
35°	4514.1	4514.1	4530.5	4316.8	4214.0	4205.8	4674.4	5628.2	5883.1	7601.6	7687.9
37.5°	5291.1	5237.7	5147.2	4908.8	4830.7	4933.4	5225.3	6162.7	6438.1	8074.4	8304.6
40°	5944.8	5981.8	5969.5	5624.1	5472.0	5583.0	5842.0	6619.0	6832.8	8378.6	8802.1
42.5°	6586.1	6606.7	6553.3	6388.8	6166.8	6175.0	6388.8	6964.4	7182.3	8670.5	9270.8
45°	7067.2	7063.0	7026.0	6984.9	6853.4	6717.7	6754.7	7346.7	7535.8	8765.1	9525.6
47.5°	7219.3	7252.2	7285.0	7400.2	7490.6	7276.8	7087.7	7552.3	7724.9	8748.6	9620.2
50°	7079.5	7149.4	7309.7	7482.4	7790.7	7774.3	7367.3	7774.3	7942.8	8839.1	9731.2
52.5°	6767.0	6836.9	7050.7	7363.2	7827.7	8058.0	7885.3	8148.4	8345.7	9069.3	9961.4
55°	6039.4	6068.1	6508.0	6919.1	7642.7	7934.6	8440.3	8781.5	8946.0	9348.9	10265.7
57.5°	4917.0	4986.9	5418.6	6088.7	7124.7	7609.8	8756.9	9862.8	9858.7	9616.1	10331.4
60°	*3235.5*	*3441.1*	*4144.1*	*4884.1*	*6121.6*	*6972.6*	*8736.3*	*11129.0*	*11256.5*	*9353.0*	*9538.0*
62.5°	2470.8	2557.2	2956.0	3572.6	4530.5	5780.3	8600.6	11507.2	11605.9	8645.9	8349.8
65°	1858.3	1965.2	2347.5	2898.4	3198.5	3918.0	7712.6	10002.5	10138.2	7716.7	6491.6
67.5°	1138.8	1225.1	1734.9	2380.4	2421.5	2433.8	5204.8	7576.9	7626.3	6224.4	4370.2
70°	760.6	846.9	1200.5	1829.5	1928.2	1401.9	2857.3	5735.1	5731.0	4259.2	2655.8
72.5°	439.9	481.0	760.6	1348.5	1517.0	892.1	1426.6	3646.6	3486.3	2002.2	1241.6
75°	250.8	279.6	419.3	867.5	1064.8	567.3	563.2	1952.8	1726.7	1031.9	678.3
77.5°	152.1	164.4	230.2	567.3	641.3	382.3	312.5	908.6	875.7	604.3	357.7
80°	74.0	86.3	139.8	333.0	411.1	205.6	189.1	357.7	382.3	333.0	189.1
82.5°	24.7	32.9	78.1	127.4	267.2	82.2	78.1	197.3	209.7	197.3	90.4
85°	12.3	16.4	37.0	41.1	102.8	41.1	28.8	86.3	106.9	65.8	37.0
87.5°	0.0	4.1	4.1	4.1	4.1	4.1	4.1	8.2	8.2	8.2	8.2
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°	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1
2.5°	2524.3	2516.1	2499.6	2470.8	2466.7	2446.2	2413.3	2392.7	2376.3	2388.6	2392.7
5°	2569.5	2548.9	2499.6	2421.5	2339.3	2257.0	2178.9	2088.5	2026.8	2018.6	2002.2
7.5°	2651.7	2610.6	2503.7	2351.6	2141.9	1944.6	1714.4	1492.4	1381.4	1364.9	1327.9
10°	2783.3	2713.4	2536.6	2228.3	1825.4	1414.3	1064.8	826.4	690.7	666.0	674.2
12.5°	2939.5	2840.8	2540.7	2018.6	1389.6	875.7	604.3	513.9	485.1	472.8	472.8
15°	3141.0	2997.1	2536.6	1747.3	937.4	563.2	485.1	448.1	435.8	427.6	427.6
17.5°	3395.9	3206.7	2507.8	1340.3	633.1	489.2	444.0	415.2	398.8	394.7	394.7
20°	3696.0	3441.1	2442.1	999.0	530.3	456.3	419.3	382.3	370.0	361.8	361.8
22.5°	4078.3	3724.7	2314.6	777.0	501.6	435.8	394.7	353.6	341.2	333.0	333.0
25°	4522.3	4086.5	2146.0	698.9	497.5	419.3	370.0	328.9	316.6	312.5	308.3
27.5°	5048.6	4473.0	1989.8	703.0	505.7	407.0	345.3	308.3	296.0	283.7	287.8
30°	5669.3	4871.8	1862.4	752.3	513.9	394.7	328.9	296.0	283.7	267.2	267.2
32.5°	6281.9	5340.4	1850.0	842.8	542.7	386.5	312.5	279.6	267.2	254.9	254.9
35°	6910.9	5768.0	1919.9	962.0	600.2	374.1	291.9	263.1	250.8	242.6	238.4
37.5°	7511.2	6109.2	1985.7	1036.0	567.3	320.7	267.2	242.6	230.2	213.8	213.8
40°	7909.9	6294.2	1998.0	978.5	468.7	287.8	242.6	217.9	201.4	193.2	189.1
42.5°	8201.8	6413.5	1858.3	793.5	407.0	263.1	222.0	197.3	185.0	176.8	176.8
45°	8321.1	6372.4	1619.8	604.3	374.1	242.6	201.4	180.9	172.7	164.4	164.4
47.5°	8304.6	6183.2	1377.3	485.1	341.2	222.0	189.1	172.7	164.4	156.2	152.1
50°	8275.8	6006.5	1130.6	431.7	304.2	209.7	176.8	164.4	152.1	143.9	139.8
52.5°	8465.0	5948.9	937.4	394.7	283.7	201.4	172.7	156.2	143.9	135.7	135.7
55°	8654.1	5973.6	735.9	370.0	263.1	197.3	168.6	152.1	139.8	127.4	127.4
57.5°	8641.7	5866.7	559.1	345.3	246.7	193.2	164.4	148.0	127.4	119.2	119.2
60°	*7856.5*	*5233.6*	*435.8*	*316.6*	*226.1*	*180.9*	*152.1*	*139.8*	*119.2*	*106.9*	*106.9*
62.5°	6643.7	4115.3	357.7	279.6	201.4	164.4	139.8	127.4	106.9	86.3	86.3
65°	4908.8	2968.3	287.8	242.6	185.0	143.9	127.4	111.0	86.3	69.9	65.8
67.5°	3321.8	1825.4	230.2	201.4	164.4	123.3	106.9	94.6	78.1	57.6	53.4
70°	1969.3	970.2	168.6	139.8	123.3	90.4	90.4	82.2	65.8	49.3	45.2
72.5°	937.4	337.1	123.3	102.8	94.6	65.8	69.9	69.9	53.4	37.0	32.9
75°	476.9	164.4	82.2	74.0	61.7	49.3	57.6	53.4	37.0	24.7	24.7
77.5°	271.3	115.1	57.6	49.3	41.1	32.9	37.0	32.9	20.6	12.3	12.3
80°	152.1	82.2	37.0	32.9	24.7	20.6	20.6	16.4	12.3	4.1	4.1
82.5°	57.6	49.3	24.7	16.4	12.3	12.3	8.2	8.2	4.1	0.0	0.0
85°	24.7	12.3	12.3	8.2	8.2	4.1	4.1	4.1	0.0	0.0	0.0
87.5°	4.1	4.1	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1
2.5°	2359.8	2368.1	2376.3	2409.2	2417.4	2442.1	2462.6	2487.3	2491.4	2524.3	2524.3
5°	2035.0	2030.9	2100.8	2203.6	2269.4	2359.8	2429.7	2503.7	2544.8	2598.3	2622.9
7.5°	1348.5	1451.3	1607.5	1788.4	2022.7	2240.6	2405.1	2548.9	2647.6	2709.3	2733.9
10°	670.1	727.7	892.1	1188.1	1586.9	2030.9	2380.4	2647.6	2807.9	2877.8	2923.1
12.5°	472.8	485.1	513.9	674.2	1056.6	1685.6	2302.3	2754.5	2976.5	3108.1	3165.6
15°	423.5	431.7	444.0	489.2	653.7	1258.0	2162.5	2873.7	3239.6	3391.7	3465.7
17.5°	390.6	394.7	407.0	444.0	513.9	855.1	1936.4	3001.2	3556.2	3741.2	3881.0
20°	361.8	361.8	374.1	419.3	476.9	657.8	1611.6	3145.1	3959.1	4226.3	4366.1
22.5°	328.9	337.1	345.3	394.7	464.6	600.2	1307.4	3256.1	4407.2	4732.0	4896.4
25°	304.2	312.5	320.7	370.0	452.2	600.2	1130.6	3326.0	4908.8	5295.2	5521.3
27.5°	283.7	291.9	304.2	353.6	439.9	624.9	1060.7	3346.5	5455.6	5957.1	6261.4
30°	267.2	275.5	287.8	341.2	448.1	653.7	1085.4	3317.7	6010.6	6639.6	7001.4
32.5°	250.8	259.0	271.3	328.9	448.1	690.7	1167.6	3260.2	6549.1	7322.0	7766.1
35°	238.4	242.6	246.7	296.0	407.0	686.6	1270.4	3202.6	7091.8	7996.3	8514.3
37.5°	213.8	217.9	226.1	254.9	324.8	624.9	1290.9	3132.7	7519.4	8563.6	9135.1
40°	189.1	197.3	205.6	234.3	271.3	505.7	1200.5	2984.7	7745.5	8999.4	9694.2
42.5°	172.7	176.8	185.0	213.8	250.8	402.9	1007.2	2725.7	7946.9	9295.4	10101.2
45°	160.3	164.4	172.7	193.2	234.3	349.5	793.5	2409.2	7963.4	9390.0	10298.6
47.5°	148.0	152.1	156.2	176.8	226.1	312.5	608.5	2121.4	7959.3	9513.3	10467.1
50°	139.8	143.9	152.1	168.6	213.8	279.6	501.6	1887.0	8132.0	9780.5	10808.3
52.5°	135.7	135.7	148.0	164.4	201.4	254.9	419.3	1677.4	8222.4	10043.7	11055.0
55°	127.4	131.6	139.8	156.2	189.1	242.6	357.7	1414.3	8263.5	10175.2	11100.2
57.5°	119.2	123.3	135.7	148.0	180.9	230.2	308.3	1056.6	7675.6	9488.6	10343.8
60°	*106.9*	*115.1*	*131.6*	*143.9*	*168.6*	*209.7*	*271.3*	*715.3*	*6475.1*	*8247.1*	*8962.4*
62.5°	86.3	102.8	119.2	127.4	152.1	176.8	230.2	476.9	5171.9	6824.6	7638.6
65°	65.8	86.3	98.7	111.0	127.4	148.0	193.2	324.8	3449.3	4592.2	5509.0
67.5°	57.6	74.0	82.2	90.4	106.9	127.4	156.2	226.1	2092.6	2758.6	3663.1
70°	45.2	61.7	69.9	65.8	82.2	98.7	111.0	152.1	1068.9	1496.5	2084.4
72.5°	32.9	49.3	53.4	53.4	49.3	69.9	82.2	106.9	464.6	727.7	945.6
75°	24.7	32.9	37.0	32.9	28.8	45.2	57.6	69.9	304.2	435.8	550.9
77.5°	12.3	12.3	20.6	20.6	12.3	24.7	28.8	41.1	172.7	254.9	316.6
80°	4.1	0.0	0.0	4.1	0.0	8.2	12.3	20.6	90.4	135.7	197.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	45.2	41.1	102.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	24.7
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: P1501887
CATALOG NUMBER: GSS-SB3C-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2516.1	*2516.1*	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1	2516.1
2.5°	2544.8	*2544.8*	2561.3	2585.9	2598.3	2606.5	2610.6	2618.8	2651.7	2643.5
5°	2651.7	*2659.9*	2672.3	2696.9	2725.7	2717.5	2717.5	2717.5	2738.1	2721.6
7.5°	2791.5	*2816.2*	2820.3	2849.1	2828.5	2787.4	2762.7	2725.7	2721.6	2721.6
10°	3017.6	*3009.4*	3009.4	2972.4	2898.4	2779.2	2672.3	2598.3	2557.2	2561.3
12.5°	3260.2	*3227.3*	3231.4	3095.7	2886.1	2622.9	2405.1	2244.7	2232.4	2220.0
15°	3560.3	*3474.0*	3457.5	3145.1	2701.1	2298.2	2084.4	1956.9	1915.8	1903.5
17.5°	3987.9	*3770.0*	3691.9	3058.7	2458.5	2096.7	1936.4	1878.8	1874.7	1870.6
20°	4440.1	*4008.4*	3860.4	2931.3	2376.3	2100.8	1981.6	1965.2	1956.9	1961.0
22.5°	4966.3	*4160.5*	3971.4	2951.8	2450.3	2236.5	2141.9	2129.6	2121.4	2129.6
25°	5509.0	*4337.3*	4103.0	3116.3	2672.3	2487.3	2376.3	2351.6	2376.3	2413.3
27.5°	6055.8	*4575.8*	4362.0	3441.1	3030.0	2828.5	2721.6	2812.1	2849.1	2853.2
30°	6540.9	*4908.8*	4711.4	3897.4	3437.0	3235.5	3256.1	3371.2	3416.4	3461.6
32.5°	6984.9	*5352.8*	5200.7	4415.4	3963.2	3844.0	3831.6	3918.0	3967.3	3938.5
35°	7433.0	*5932.5*	5784.5	4978.7	4608.7	4510.0	4407.2	4575.8	4559.3	4514.1
37.5°	7856.5	*6516.3*	6380.6	5583.0	5200.7	5028.0	5011.6	5163.7	5299.3	5291.1
40°	8160.7	*6989.0*	6824.6	6183.2	5821.5	5673.5	5759.8	6022.9	5990.0	5944.8
42.5°	8440.3	*7391.9*	7243.9	6709.5	6331.2	6397.0	6475.1	6651.9	6631.4	6586.1
45°	8571.9	*7737.3*	7609.8	7108.3	6923.3	7132.9	7128.8	7194.6	7083.6	7067.2
47.5°	8756.9	*7983.9*	7852.4	7465.9	7630.4	7716.7	7474.2	7404.3	7301.5	7219.3
50°	9098.1	*8366.3*	8234.7	8008.6	8148.4	7881.2	7585.2	7433.0	7223.4	7079.5
52.5°	9496.9	*8946.0*	8830.9	8740.4	8349.8	7798.9	7420.7	7145.3	6890.4	6767.0
55°	9998.4	*9801.1*	9718.9	9221.4	8169.0	7461.8	7017.8	6503.9	6154.5	6039.4
57.5°	10162.9	*11055.0*	11026.2	9299.5	7663.3	6849.3	6047.6	5352.8	4991.0	4917.0
60°	*9677.8*	*12037.6*	*11934.8*	*9168.0*	*6746.5*	*5558.3*	*4621.0*	*3909.8*	*3321.8*	*3235.5*
62.5°	9057.0	*11285.2*	11248.2	8506.1	5139.0	3983.8	3453.4	2787.4	2536.6	2470.8
65°	7757.8	*9233.8*	9250.2	6824.6	3252.0	2861.4	2836.7	2215.9	1907.6	1858.3
67.5°	5973.6	*7083.6*	6968.5	4292.1	1895.3	2289.9	2265.3	1619.8	1171.7	1138.8
70°	3490.4	*5274.7*	5089.7	2232.4	1253.9	1911.7	1743.1	1138.8	797.6	760.6
72.5°	1541.7	*2902.5*	3116.3	982.6	883.9	1521.1	1258.0	698.9	448.1	439.9
75°	855.1	*1438.9*	1504.7	427.6	620.8	1081.2	760.6	390.6	254.9	250.8
77.5°	513.9	*637.2*	620.8	275.5	464.6	690.7	460.5	222.0	160.3	152.1
80°	287.8	*291.9*	246.7	201.4	275.5	386.5	259.0	139.8	74.0	74.0
82.5°	176.8	*160.3*	127.4	61.7	74.0	234.3	94.6	78.1	24.7	24.7
85°	74.0	*49.3*	32.9	12.3	28.8	61.7	32.9	37.0	12.3	12.3
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

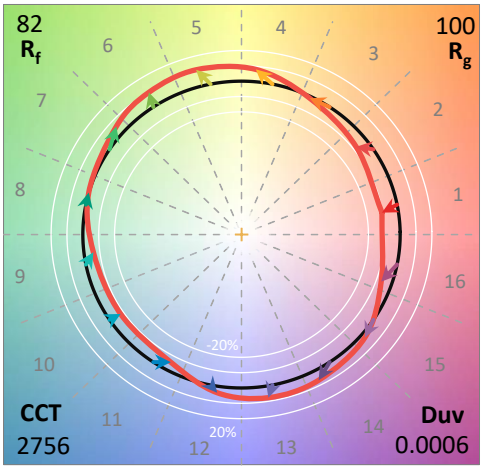
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

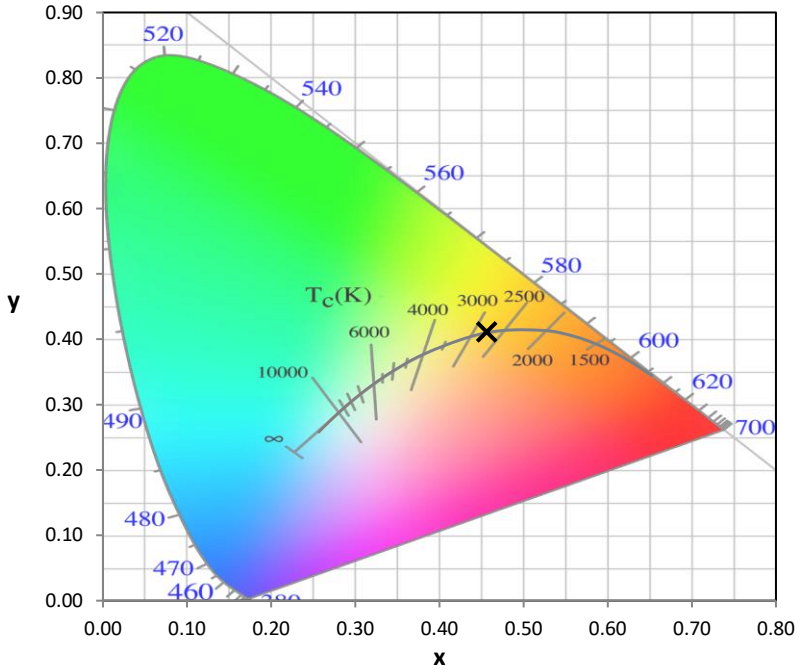
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

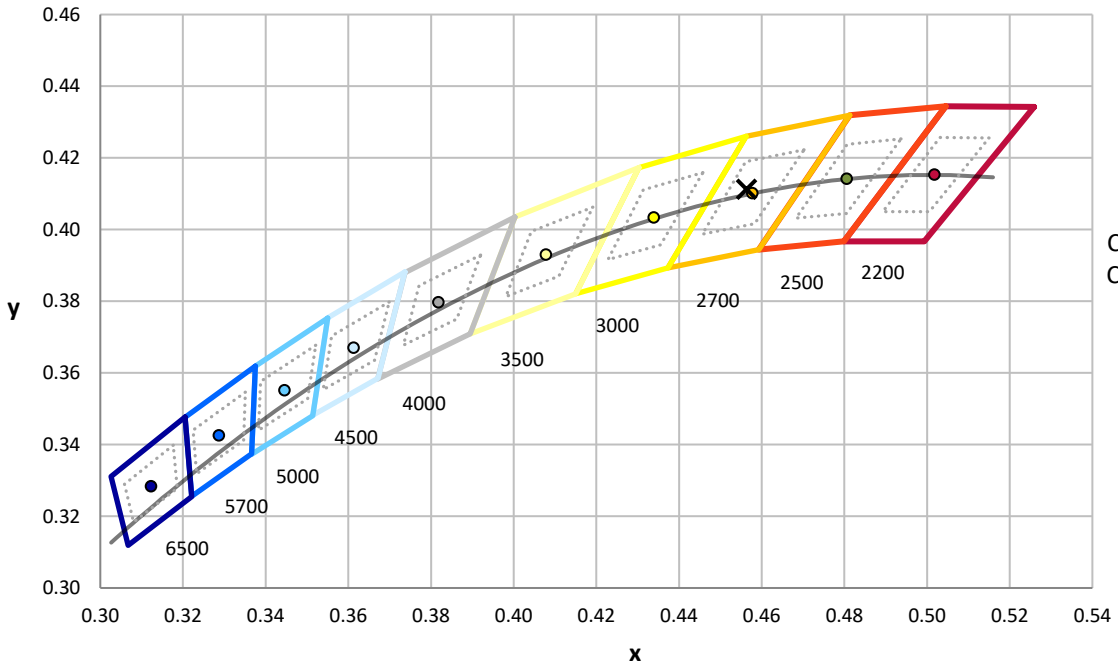
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

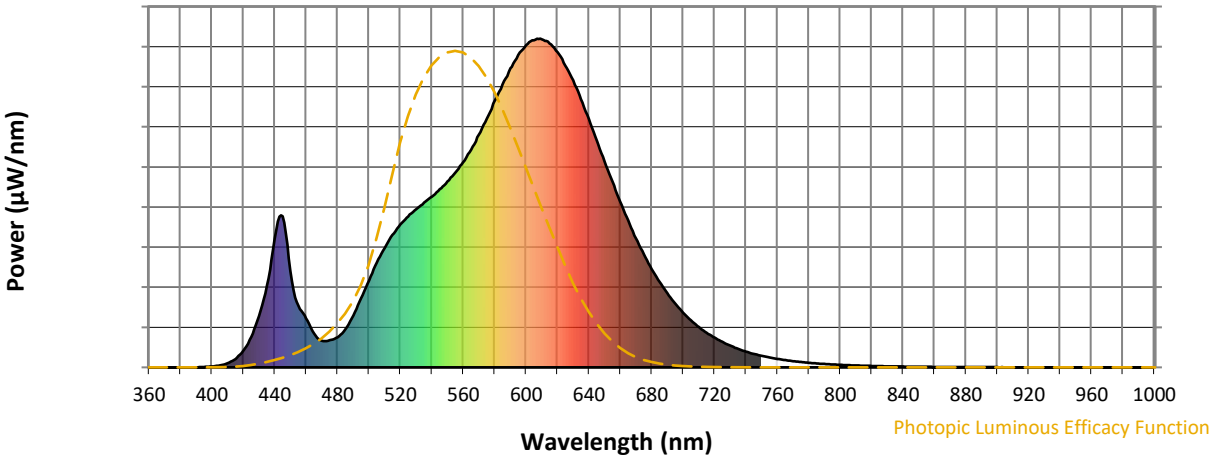


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

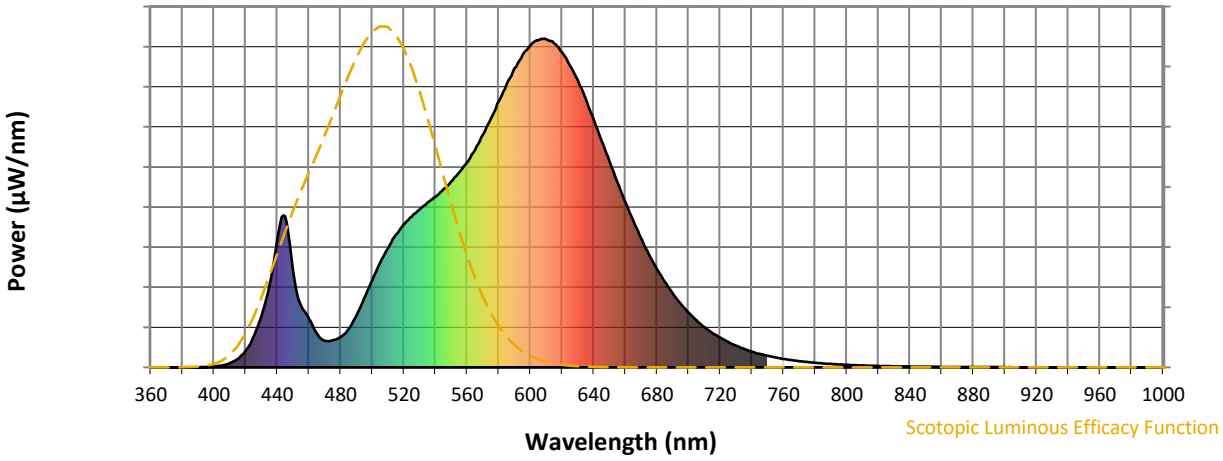


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

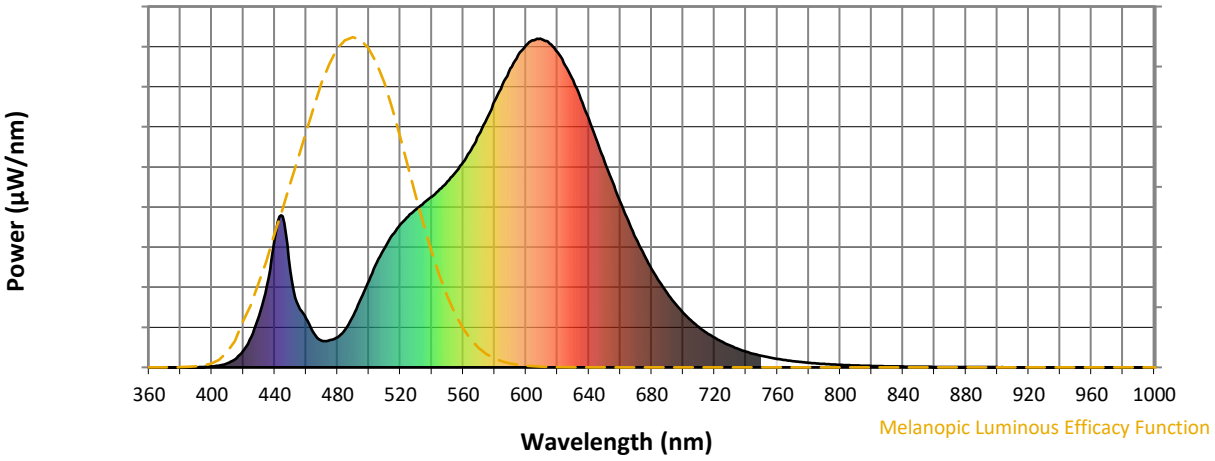


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

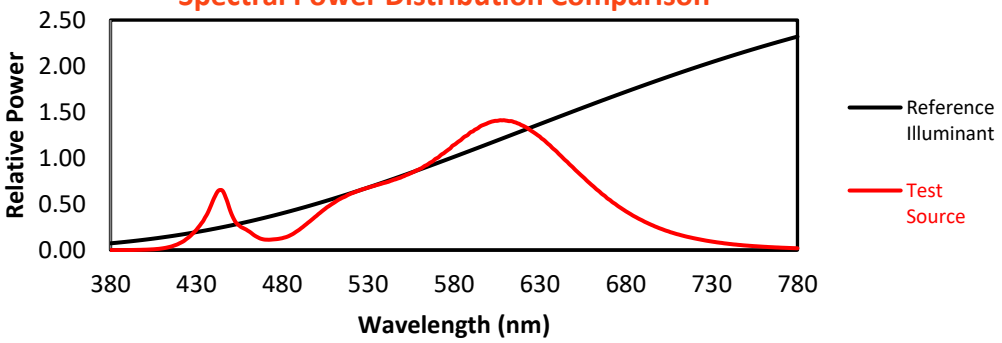
REPORT NUMBER: SP1-2407-184-8

TM-30-18

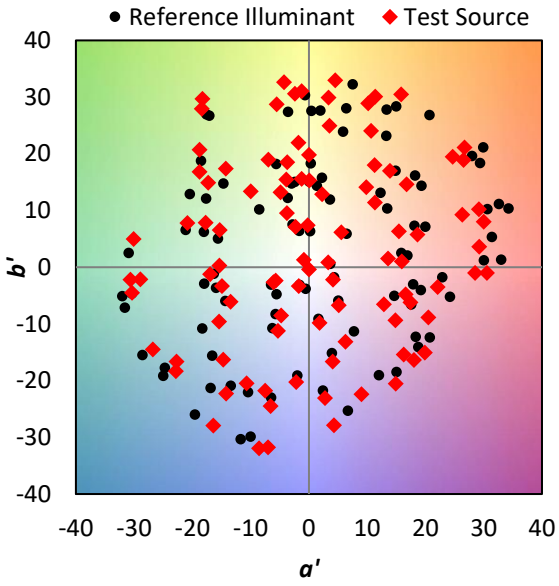
Summary

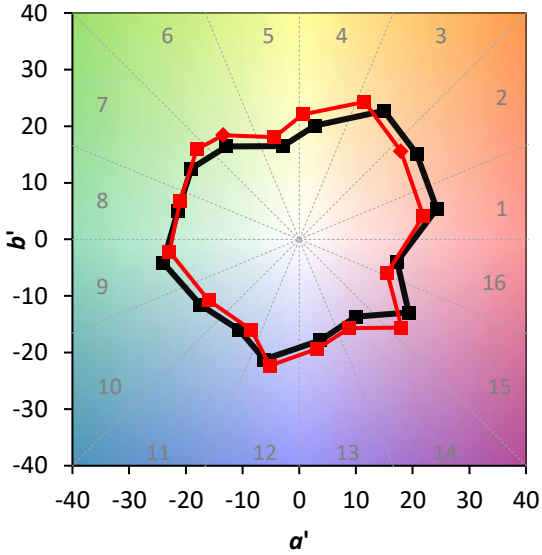
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

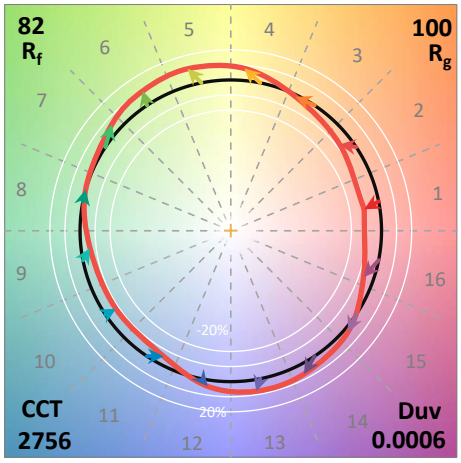
Spectral Power Distribution Comparison

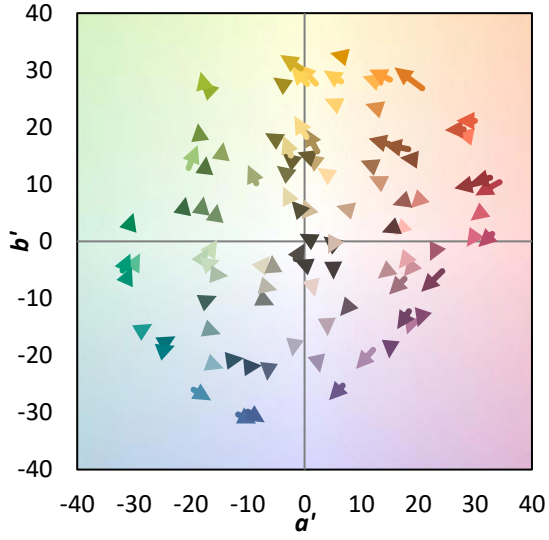


Color Vector Graphics







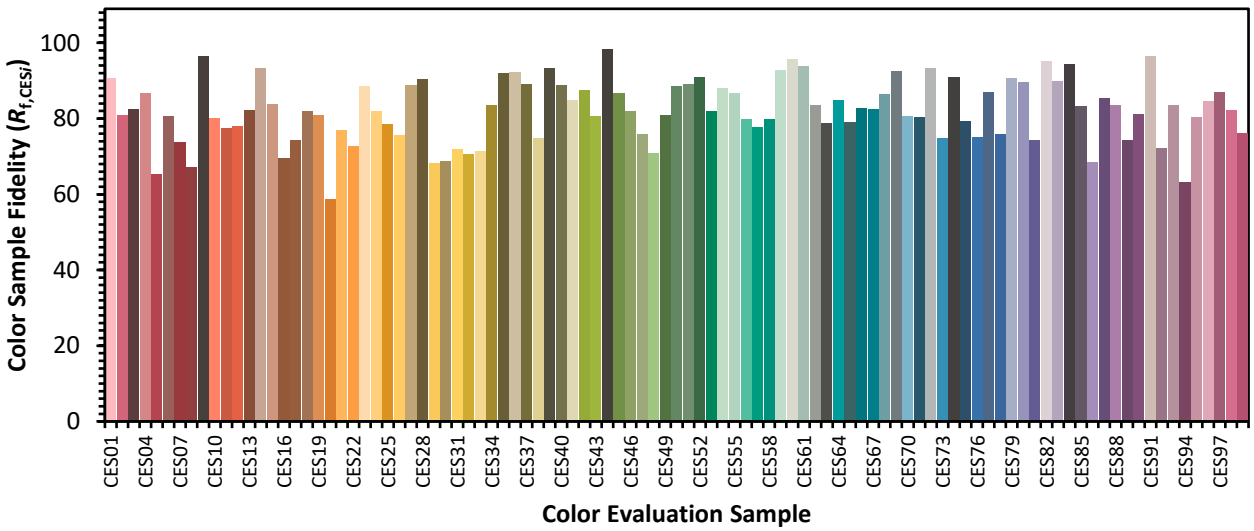


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Individual Sample Fidelity Index ($R_{f,i}$)

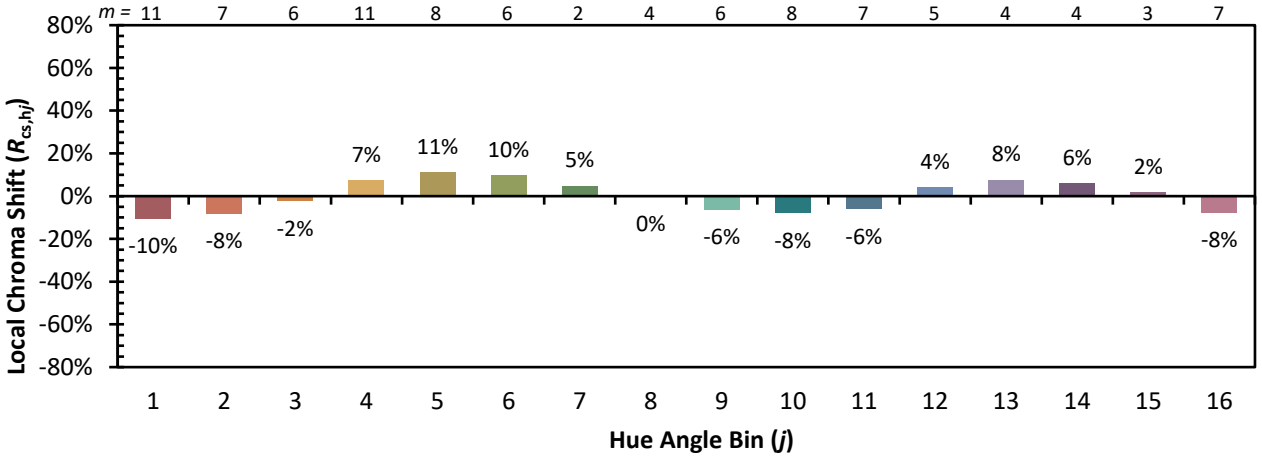
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
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CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

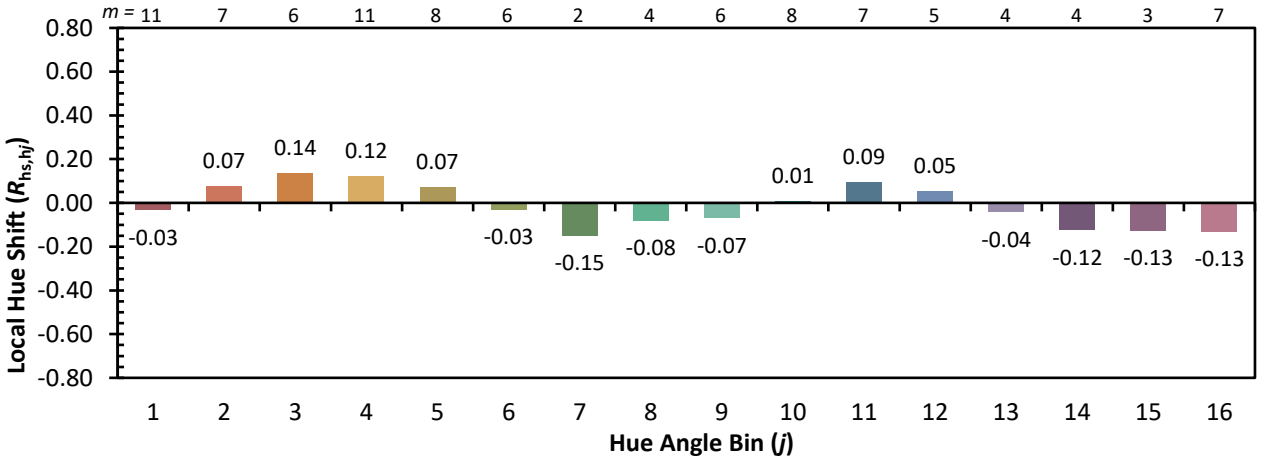


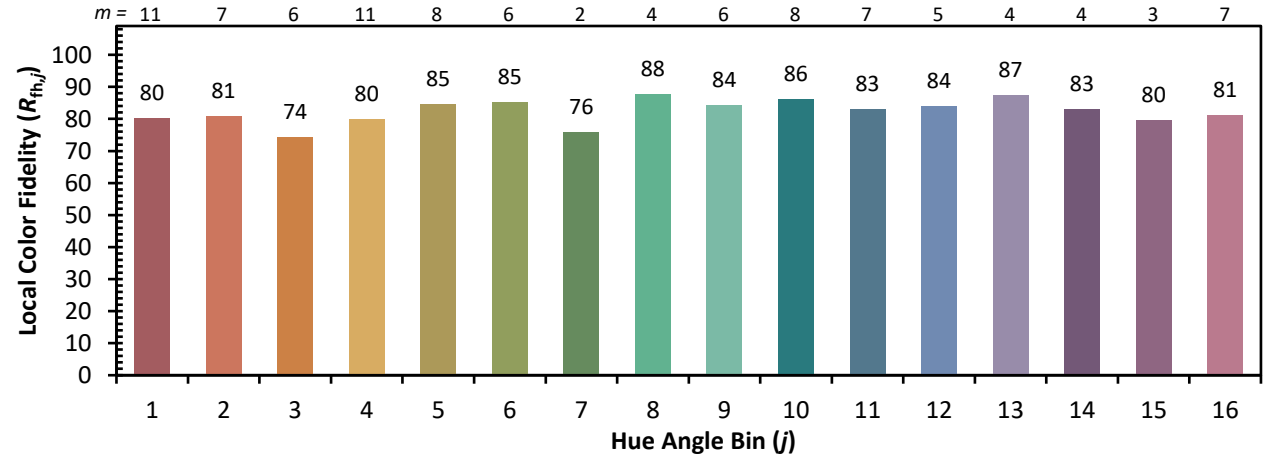
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Color Rendition by Hue-Angle Bin



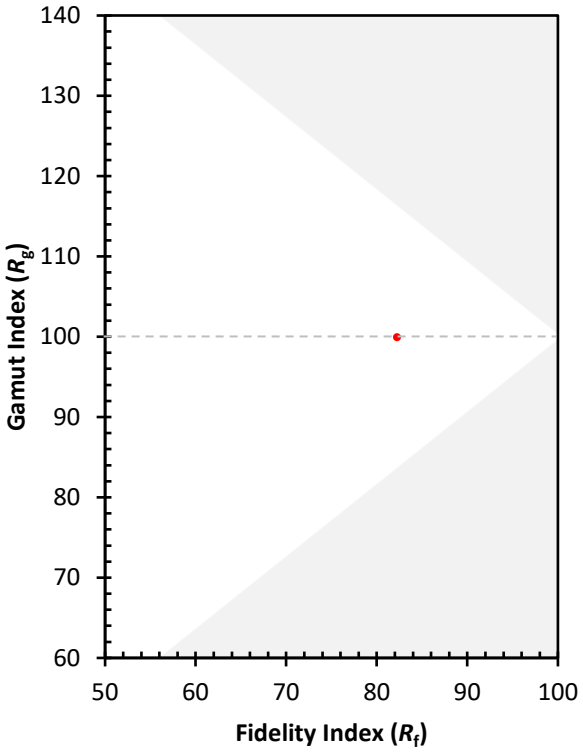


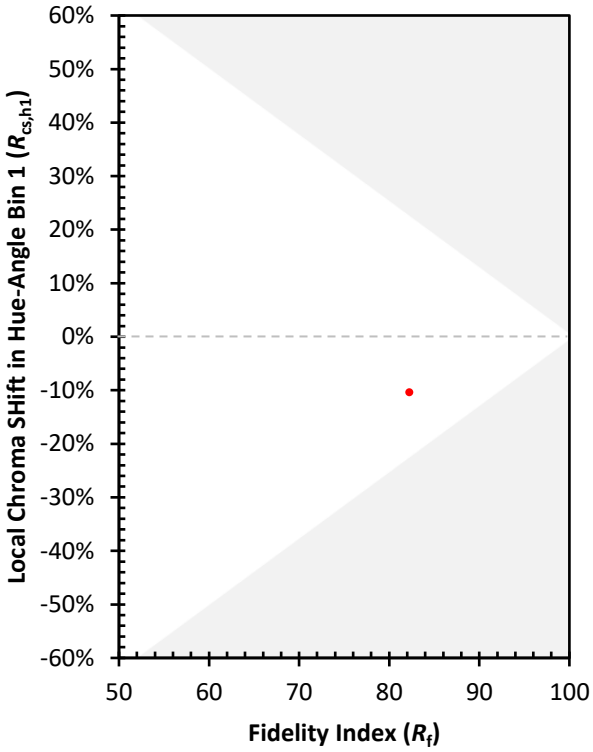


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Measure Comparisons





(END OF REPORT)