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: P1501719

Luminaire Tested: GSS-SB3C-740-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501719
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-740-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17859.2 lumens
Efficiency:	N/A
Efficacy:	119.1 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

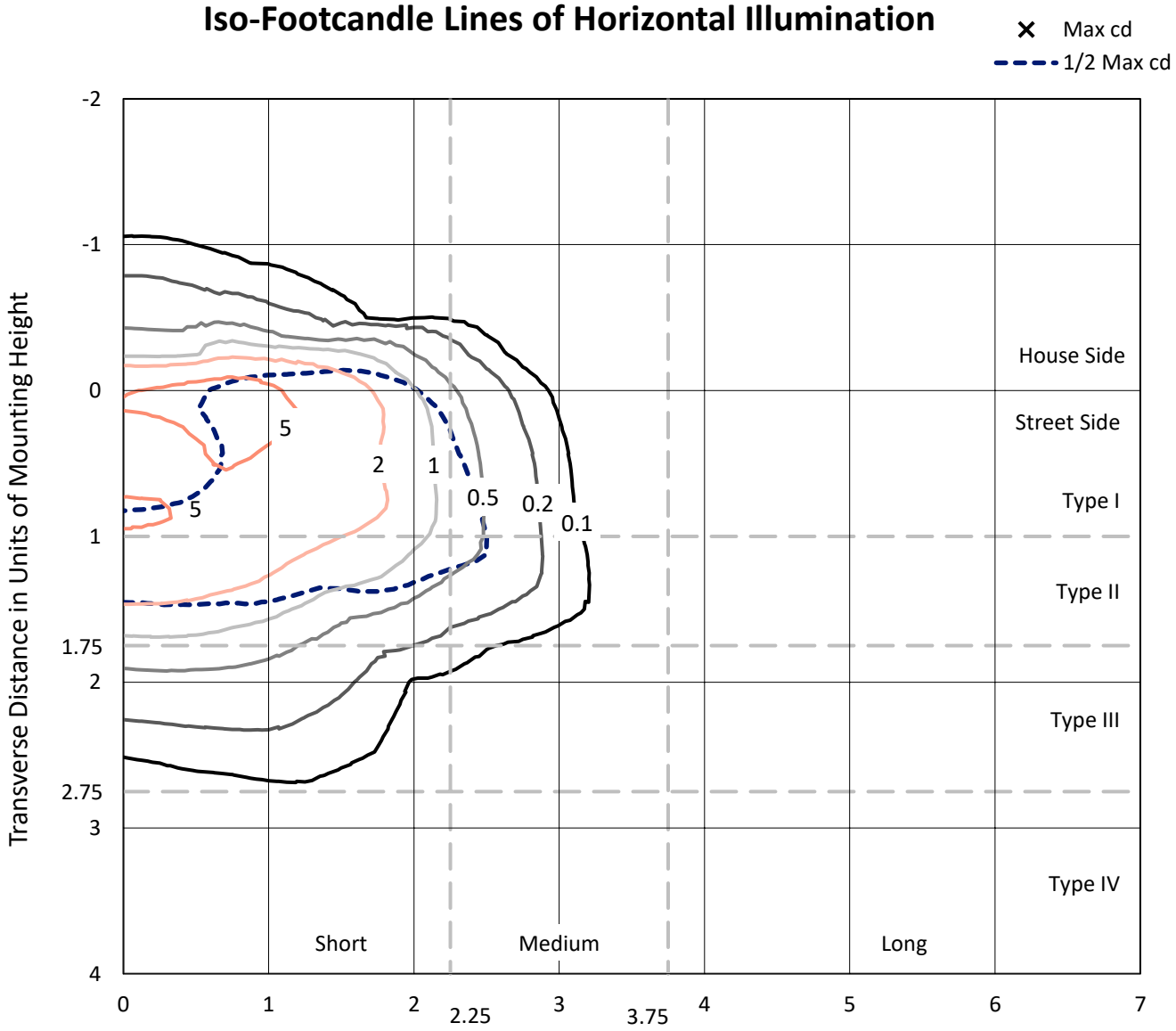
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



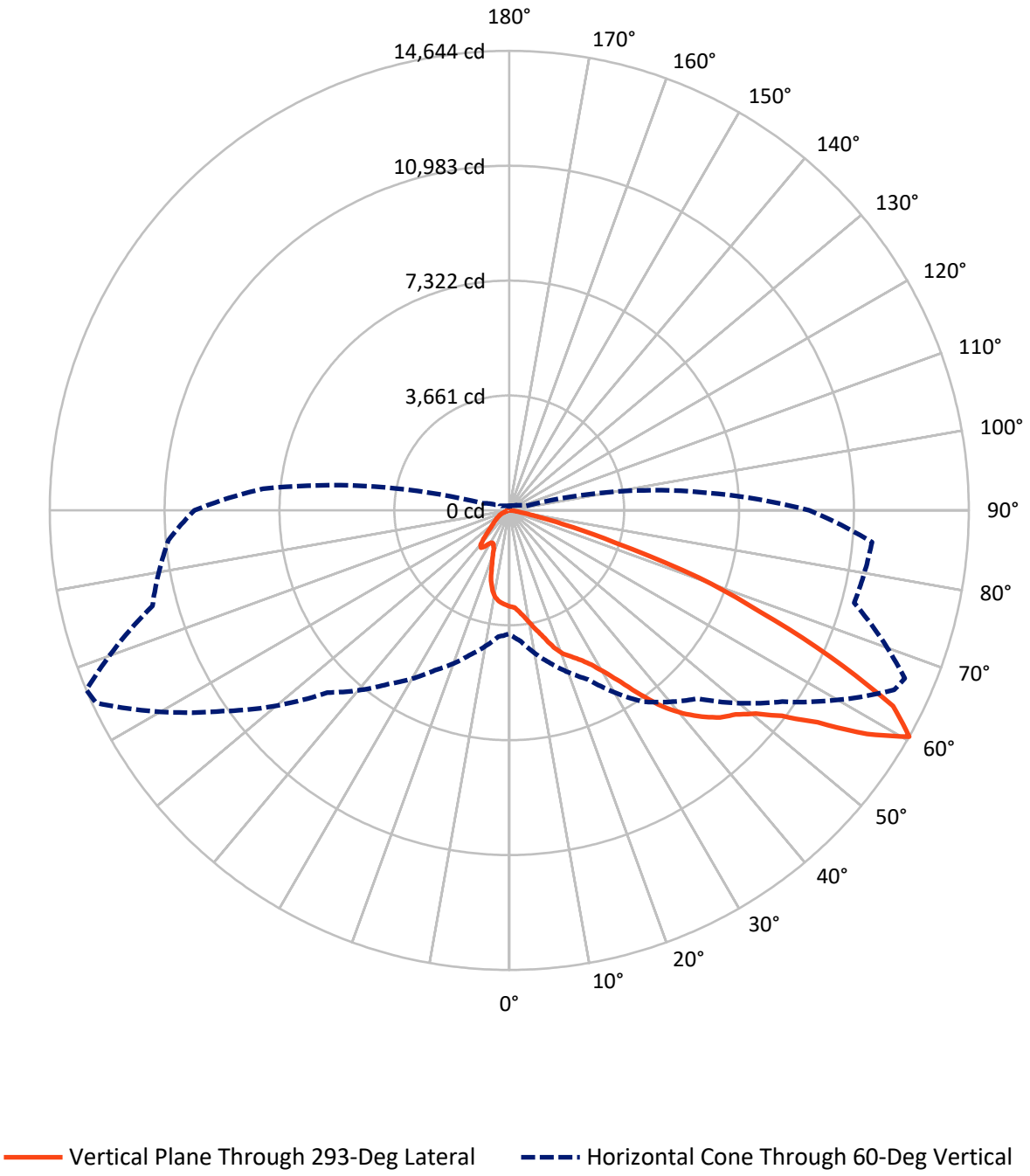
Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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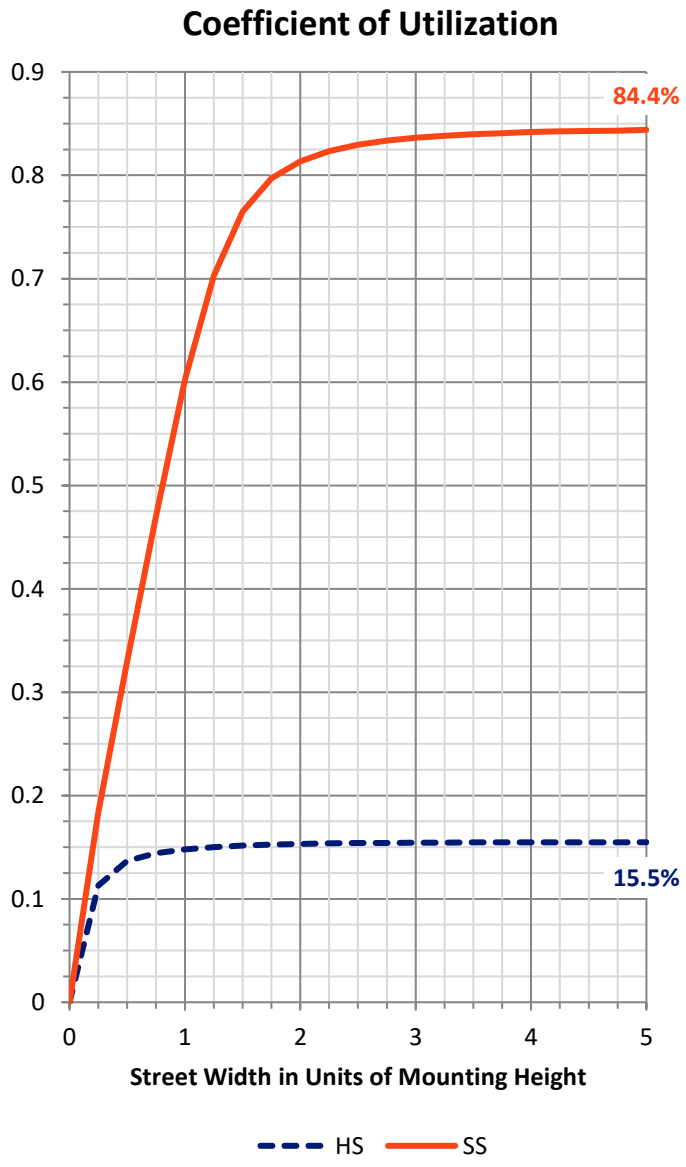
REPORT NUMBER: P1501719
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2786.5	0.0	2786.5
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	15072.8	0.0	15072.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	17859.2	0.0	17859.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.1	1.6
10°-20°	698.0	3.9
20°-30°	1303.1	7.3
30°-40°	2584.2	14.5
40°-50°	4120.1	23.1
50°-60°	4922.5	27.6
60°-70°	3227.0	18.1
70°-80°	676.1	3.8
80°-90°	51.1	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°	17859.2	100.0
0°-180°	17859.2	100.0



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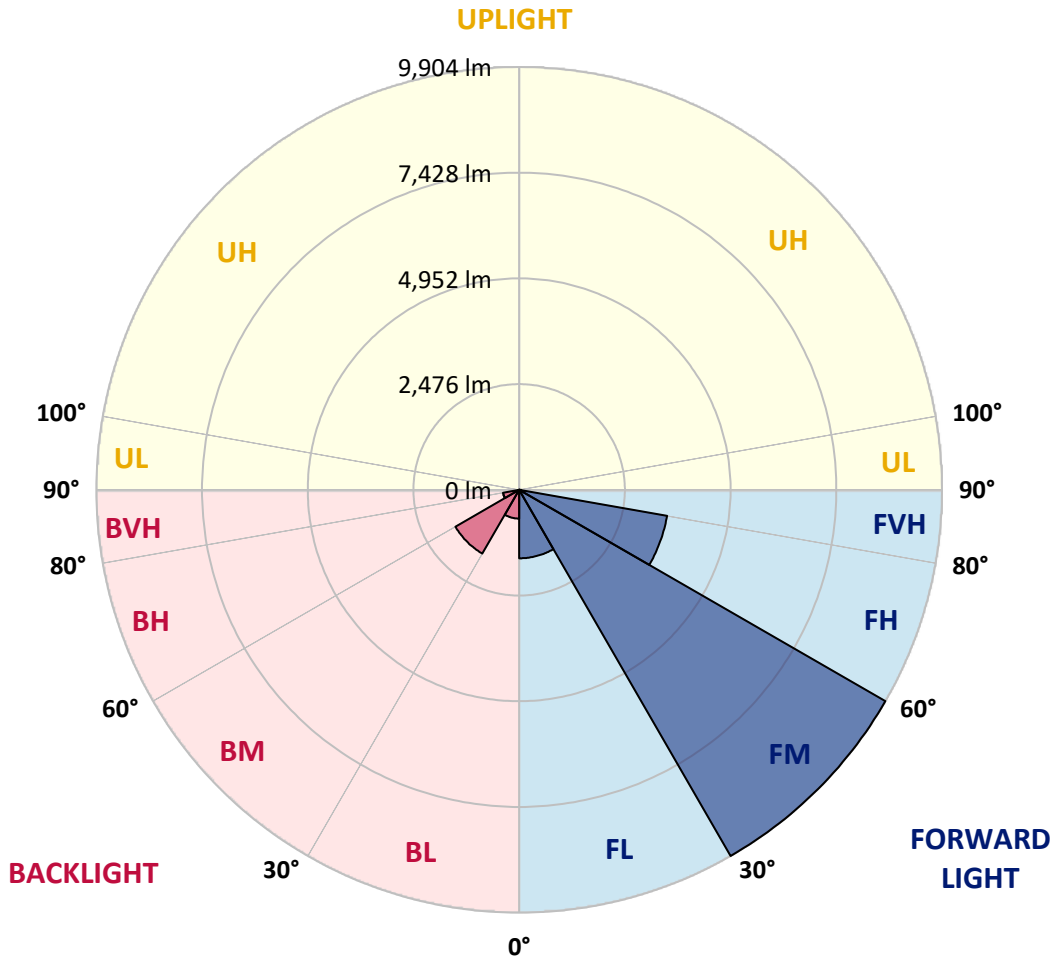
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1604.1	9.0			
FM	(30°-60°)	9903.6	55.5			
FH	(60°-80°)	3518.2	19.7			G2/5000
FVH	(80°-90°)	46.9	0.3			G1/100
BL	(0°-30°)	674.1	3.8	B2/1000		
BM	(30°-60°)	1723.2	9.6	B2/2500		
BH	(60°-80°)	384.9	2.2	B1/500		G1/500
BVH	(80°-90°)	4.3	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°	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9
2.5°	3215.9	3205.9	3190.9	3195.9	3190.9	3170.9	3140.9	3115.9	3135.9	3105.9	3085.9
5°	3311.0	3311.0	3301.0	3301.0	3306.0	3296.0	3276.0	3240.9	3245.9	3220.9	3155.9
7.5°	3311.0	3296.0	3321.0	3346.0	3391.0	3416.0	3426.0	3406.0	3416.0	3366.0	3281.0
10°	3115.9	3105.9	3170.9	3266.0	3396.0	3511.0	3586.0	3591.0	3606.1	3556.0	3456.0
12.5°	2700.8	2680.8	2810.8	2990.9	3256.0	3521.0	3731.1	3811.1	3846.1	3826.1	3686.1
15°	2315.7	2340.7	2430.7	2625.8	2980.9	3386.0	3811.1	4076.2	4126.2	4151.2	3986.2
17.5°	2275.7	2280.7	2310.7	2405.7	2675.8	3165.9	3821.1	4351.3	4421.3	4531.3	4306.3
20°	2385.7	2375.7	2405.7	2435.7	2565.7	2970.9	3726.1	4616.3	4751.4	4986.5	4741.4
22.5°	2590.8	2590.8	2605.8	2625.8	2690.8	2955.9	3686.1	4861.4	5091.5	5571.6	5286.5
25°	2935.9	2895.8	2905.8	2880.8	2935.9	3135.9	3776.1	5056.5	5371.6	6221.8	5936.7
27.5°	3471.0	3486.0	3396.0	3261.0	3291.0	3461.0	3996.2	5276.5	5661.7	6897.0	6596.9
30°	4211.2	4186.2	4131.2	3866.1	3746.1	3896.1	4401.3	5636.6	6051.8	7752.3	7477.2
32.5°	4791.4	4861.4	4766.4	4581.3	4396.3	4441.3	4971.5	6216.8	6526.9	8537.5	8387.4
35°	5491.6	5491.6	5511.6	5251.5	5126.5	5116.5	5686.7	6847.0	7157.1	9247.7	9352.7
37.5°	6436.9	6371.9	6261.8	5971.7	5876.7	6001.8	6356.9	7497.2	7832.3	9822.9	10102.9
40°	7232.1	7277.1	7262.1	6842.0	6656.9	6792.0	7107.1	8052.3	8312.4	10193.0	10708.1
42.5°	8012.3	8037.3	7972.3	7772.3	7502.2	7512.2	7772.3	8472.5	8737.5	10548.1	11278.3
45°	8597.5	8592.5	8547.5	8497.5	8337.4	8172.4	8217.4	8937.6	9167.7	10663.1	11588.4
47.5°	8782.6	8822.6	8862.6	9002.6	9112.7	8852.6	8622.5	9187.7	9397.7	10643.1	11703.4
50°	8612.5	8697.5	8892.6	9102.7	9477.8	9457.8	8962.6	9457.8	9662.8	10753.1	11838.5
52.5°	8232.4	8317.4	8577.5	8957.6	9522.8	9802.9	9592.8	9912.9	10153.0	11033.2	12118.5
55°	7347.1	7382.2	7917.3	8417.5	9297.7	9652.8	10268.0	10683.1	10883.2	11373.3	12488.6
57.5°	5981.7	6066.8	6591.9	7407.2	8667.5	9257.7	10653.1	11998.5	11993.5	11698.4	12568.7
60°	*3936.1*	*4186.2*	*5041.5*	*5941.7*	*7447.2*	*8482.5*	*10628.1*	*13539.0*	*13694.0*	*11378.3*	*11603.4*
62.5°	3005.9	3110.9	3596.0	4346.3	5511.6	7032.1	10463.1	13999.1	14119.1	10518.1	10158.0
65°	2260.7	2390.7	2855.8	3526.0	3891.1	4766.4	9382.7	12168.6	12333.6	9387.7	7897.3
67.5°	1385.4	1490.4	2110.6	2895.8	2945.9	2960.9	6331.8	9217.7	9277.7	7572.2	5316.6
70°	925.3	1030.3	1460.4	2225.6	2345.7	1705.5	3476.0	6977.0	6972.0	5181.5	3230.9
72.5°	535.2	585.2	925.3	1640.5	1845.5	1085.3	1735.5	4436.3	4241.2	2435.7	1510.4
75°	305.1	340.1	510.1	1055.3	1295.4	690.2	685.2	2375.7	2100.6	1255.4	825.2
77.5°	185.1	200.1	280.1	690.2	780.2	465.1	380.1	1105.3	1065.3	735.2	435.1
80°	90.0	105.0	170.0	405.1	500.1	250.1	230.1	435.1	465.1	405.1	230.1
82.5°	30.0	40.0	95.0	155.0	325.1	100.0	95.0	240.1	255.1	240.1	110.0
85°	15.0	20.0	45.0	50.0	125.0	50.0	35.0	105.0	130.0	80.0	45.0
87.5°	0.0	5.0	5.0	5.0	5.0	5.0	5.0	10.0	10.0	10.0	10.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9
2.5°	3070.9	3060.9	3040.9	3005.9	3000.9	2975.9	2935.9	2910.8	2890.8	2905.8	2910.8
5°	3125.9	3100.9	3040.9	2945.9	2845.8	2745.8	2650.8	2540.7	2465.7	2455.7	2435.7
7.5°	3225.9	3175.9	3045.9	2860.8	2605.8	2365.7	2085.6	1815.5	1680.5	1660.5	1615.5
10°	3386.0	3301.0	3085.9	2710.8	2220.6	1720.5	1295.4	1005.3	840.2	810.2	820.2
12.5°	3576.0	3456.0	3090.9	2455.7	1690.5	1065.3	735.2	625.2	590.2	575.2	575.2
15°	3821.1	3646.1	3085.9	2125.6	1140.3	685.2	590.2	545.2	530.2	520.2	520.2
17.5°	4131.2	3901.1	3050.9	1630.5	770.2	595.2	540.2	505.1	485.1	480.1	480.1
20°	4496.3	4186.2	2970.9	1215.4	645.2	555.2	510.1	465.1	450.1	440.1	440.1
22.5°	4961.4	4531.3	2815.8	945.3	610.2	530.2	480.1	430.1	415.1	405.1	405.1
25°	5501.6	4971.5	2610.8	850.2	605.2	510.1	450.1	400.1	385.1	380.1	375.1
27.5°	6141.8	5441.6	2420.7	855.2	615.2	495.1	420.1	375.1	360.1	345.1	350.1
30°	6897.0	5926.7	2265.7	915.3	625.2	480.1	400.1	360.1	345.1	325.1	325.1
32.5°	7642.2	6496.9	2250.7	1025.3	660.2	470.1	380.1	340.1	325.1	310.1	310.1
35°	8407.5	7017.0	2335.7	1170.3	730.2	455.1	355.1	320.1	305.1	295.1	290.1
37.5°	9137.7	7432.2	2415.7	1260.4	690.2	390.1	325.1	295.1	280.1	260.1	260.1
40°	9622.8	7657.2	2430.7	1190.3	570.2	350.1	295.1	265.1	245.1	235.1	230.1
42.5°	9977.9	7802.3	2260.7	965.3	495.1	320.1	270.1	240.1	225.1	215.1	215.1
45°	10123.0	7752.3	1970.6	735.2	455.1	295.1	245.1	220.1	210.1	200.1	200.1
47.5°	10102.9	7522.2	1675.5	590.2	415.1	270.1	230.1	210.1	200.1	190.1	185.1
50°	10067.9	7307.1	1375.4	525.2	370.1	255.1	215.1	200.1	185.1	175.1	170.0
52.5°	10298.0	7237.1	1140.3	480.1	345.1	245.1	210.1	190.1	175.1	165.0	165.0
55°	10528.1	7267.1	895.3	450.1	320.1	240.1	205.1	185.1	170.0	155.0	155.0
57.5°	10513.1	7137.1	680.2	420.1	300.1	235.1	200.1	180.1	155.0	145.0	145.0
60°	*9557.8*	*6366.9*	*530.2*	*385.1*	*275.1*	*220.1*	*185.1*	*170.0*	*145.0*	*130.0*	*130.0*
62.5°	8082.4	5006.5	435.1	340.1	245.1	200.1	170.0	155.0	130.0	105.0	105.0
65°	5971.7	3611.1	350.1	295.1	225.1	175.1	155.0	135.0	105.0	85.0	80.0
67.5°	4041.2	2220.6	280.1	245.1	200.1	150.0	130.0	115.0	95.0	70.0	65.0
70°	2395.7	1180.3	205.1	170.0	150.0	110.0	110.0	100.0	80.0	60.0	55.0
72.5°	1140.3	410.1	150.0	125.0	115.0	80.0	85.0	85.0	65.0	45.0	40.0
75°	580.2	200.1	100.0	90.0	75.0	60.0	70.0	65.0	45.0	30.0	30.0
77.5°	330.1	140.0	70.0	60.0	50.0	40.0	45.0	40.0	25.0	15.0	15.0
80°	185.1	100.0	45.0	40.0	30.0	25.0	25.0	20.0	15.0	5.0	5.0
82.5°	70.0	60.0	30.0	20.0	15.0	15.0	10.0	10.0	5.0	0.0	0.0
85°	30.0	15.0	15.0	10.0	10.0	5.0	5.0	5.0	0.0	0.0	0.0
87.5°	5.0	5.0	5.0	5.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9
2.5°	2870.8	2880.8	2890.8	2930.9	2940.9	2970.9	2995.9	3025.9	3030.9	3070.9	3070.9
5°	2475.7	2470.7	2555.7	2680.8	2760.8	2870.8	2955.9	3045.9	3095.9	3160.9	3190.9
7.5°	1640.5	1765.5	1955.6	2175.6	2460.7	2725.8	2925.9	3100.9	3220.9	3296.0	3326.0
10°	815.2	885.3	1085.3	1445.4	1930.6	2470.7	2895.8	3220.9	3416.0	3501.0	3556.0
12.5°	575.2	590.2	625.2	820.2	1285.4	2050.6	2800.8	3351.0	3621.1	3781.1	3851.1
15°	515.2	525.2	540.2	595.2	795.2	1530.4	2630.8	3496.0	3941.2	4126.2	4216.2
17.5°	475.1	480.1	495.1	540.2	625.2	1040.3	2355.7	3651.1	4326.3	4551.3	4721.4
20°	440.1	440.1	455.1	510.1	580.2	800.2	1960.6	3826.1	4816.4	5141.5	5311.6
22.5°	400.1	410.1	420.1	480.1	565.2	730.2	1590.5	3961.2	5361.6	5756.7	5956.7
25°	370.1	380.1	390.1	450.1	550.2	730.2	1375.4	4046.2	5971.7	6441.9	6717.0
27.5°	345.1	355.1	370.1	430.1	535.2	760.2	1290.4	4071.2	6636.9	7247.1	7617.2
30°	325.1	335.1	350.1	415.1	545.2	795.2	1320.4	4036.2	7312.1	8077.4	8517.5
32.5°	305.1	315.1	330.1	400.1	545.2	840.2	1420.4	3966.2	7967.3	8907.6	9447.8
35°	290.1	295.1	300.1	360.1	495.1	835.2	1545.5	3896.1	8627.5	9727.8	10358.0
37.5°	260.1	265.1	275.1	310.1	395.1	760.2	1570.5	3811.1	9147.7	10418.0	11113.2
40°	230.1	240.1	250.1	285.1	330.1	615.2	1460.4	3631.1	9422.7	10948.2	11793.4
42.5°	210.1	215.1	225.1	260.1	305.1	490.1	1225.4	3316.0	9667.8	11308.3	12288.6
45°	195.1	200.1	210.1	235.1	285.1	425.1	965.3	2930.9	9687.8	11423.3	12528.7
47.5°	180.1	185.1	190.1	215.1	275.1	380.1	740.2	2580.8	9682.8	11573.4	12733.7
50°	170.0	175.1	185.1	205.1	260.1	340.1	610.2	2295.7	9892.9	11898.5	13148.8
52.5°	165.0	165.0	180.1	200.1	245.1	310.1	510.1	2040.6	10002.9	12218.6	13448.9
55°	155.0	160.0	170.0	190.1	230.1	295.1	435.1	1720.5	10052.9	12378.6	13503.9
57.5°	145.0	150.0	165.0	180.1	220.1	280.1	375.1	1285.4	9337.7	11543.4	12583.7
60°	*130.0*	*140.0*	*160.0*	*175.1*	*205.1*	*255.1*	*330.1*	*870.3*	*7877.3*	*10032.9*	*10903.2*
62.5°	105.0	125.0	145.0	155.0	185.1	215.1	280.1	580.2	6291.8	8302.4	9292.7
65°	80.0	105.0	120.0	135.0	155.0	180.1	235.1	395.1	4196.2	5586.6	6702.0
67.5°	70.0	90.0	100.0	110.0	130.0	155.0	190.1	275.1	2545.7	3356.0	4456.3
70°	55.0	75.0	85.0	80.0	100.0	120.0	135.0	185.1	1300.4	1820.5	2535.7
72.5°	40.0	60.0	65.0	65.0	60.0	85.0	100.0	130.0	565.2	885.3	1150.3
75°	30.0	40.0	45.0	40.0	35.0	55.0	70.0	85.0	370.1	530.2	670.2
77.5°	15.0	15.0	25.0	25.0	15.0	30.0	35.0	50.0	210.1	310.1	385.1
80°	5.0	0.0	0.0	5.0	0.0	10.0	15.0	25.0	110.0	165.0	240.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	55.0	50.0	125.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	30.0
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

REPORT NUMBER: P1501719
CATALOG NUMBER: GSS-SB3C-740-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3060.9	*3060.9*	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9	3060.9
2.5°	3095.9	*3095.9*	3115.9	3145.9	3160.9	3170.9	3175.9	3185.9	3225.9	3215.9
5°	3225.9	*3235.9*	3250.9	3281.0	3316.0	3306.0	3306.0	3306.0	3331.0	3311.0
7.5°	3396.0	*3426.0*	3431.0	3466.0	3441.0	3391.0	3361.0	3316.0	3311.0	3311.0
10°	3671.1	*3661.1*	3661.1	3616.1	3526.0	3381.0	3250.9	3160.9	3110.9	3115.9
12.5°	3966.2	*3926.1*	3931.1	3766.1	3511.0	3190.9	2925.9	2730.8	2715.8	2700.8
15°	4331.3	*4226.2*	4206.2	3826.1	3286.0	2795.8	2535.7	2380.7	2330.7	2315.7
17.5°	4851.4	*4586.3*	4491.3	3721.1	2990.9	2550.7	2355.7	2285.7	2280.7	2275.7
20°	5401.6	*4876.4*	4696.4	3566.0	2890.8	2555.7	2410.7	2390.7	2380.7	2385.7
22.5°	6041.8	*5061.5*	4831.4	3591.0	2980.9	2720.8	2605.8	2590.8	2580.8	2590.8
25°	6702.0	*5276.5*	4991.5	3791.1	3250.9	3025.9	2890.8	2860.8	2890.8	2935.9
27.5°	7367.1	*5566.6*	5306.5	4186.2	3686.1	3441.0	3311.0	3421.0	3466.0	3471.0
30°	7957.3	*5971.7*	5731.7	4741.4	4181.2	3936.1	3961.2	4101.2	4156.2	4211.2
32.5°	8497.5	*6511.9*	6326.8	5371.6	4821.4	4676.4	4661.4	4766.4	4826.4	4791.4
35°	9042.6	*7217.1*	7037.1	6056.8	5606.6	5486.6	5361.6	5566.6	5546.6	5491.6
37.5°	9557.8	*7927.3*	7762.3	6792.0	6326.8	6116.8	6096.8	6281.8	6446.9	6436.9
40°	9927.9	*8502.5*	8302.4	7522.2	7082.1	6902.0	7007.0	7327.1	7287.1	7232.1
42.5°	10268.0	*8992.6*	8812.6	8162.4	7702.2	7782.3	7877.3	8092.4	8067.4	8012.3
45°	10428.0	*9412.7*	9257.7	8647.5	8422.5	8677.5	8672.5	8752.6	8617.5	8597.5
47.5°	10653.1	*9712.8*	9552.8	9082.7	9282.7	9387.7	9092.7	9007.6	8882.6	8782.6
50°	11068.2	*10178.0*	10017.9	9742.8	9912.9	9587.8	9227.7	9042.6	8787.6	8612.5
52.5°	11553.4	*10883.2*	10743.1	10633.1	10158.0	9487.8	9027.6	8692.5	8382.4	8232.4
55°	12163.5	*11923.5*	11823.5	11218.3	9937.9	9077.6	8537.5	7912.3	7487.2	7347.1
57.5°	12363.6	*13448.9*	13413.9	11313.3	9322.7	8332.4	7357.1	6511.9	6071.8	5981.7
60°	*11773.4*	*14644.3*	*14519.2*	*11153.3*	*8207.4*	*6762.0*	*5621.6*	*4756.4*	*4041.2*	*3936.1*
62.5°	11018.2	*13729.0*	13684.0	10348.0	6251.8	4846.4	4201.2	3391.0	3085.9	3005.9
65°	9437.8	*11233.3*	11253.3	8302.4	3956.2	3481.0	3451.0	2695.8	2320.7	2260.7
67.5°	7267.1	*8617.5*	8477.5	5221.5	2305.7	2785.8	2755.8	1970.6	1425.4	1385.4
70°	4246.2	*6416.9*	6191.8	2715.8	1525.4	2325.7	2120.6	1385.4	970.3	925.3
72.5°	1875.5	*3531.0*	3791.1	1195.3	1075.3	1850.5	1530.4	850.2	545.2	535.2
75°	1040.3	*1750.5*	1830.5	520.2	755.2	1315.4	925.3	475.1	310.1	305.1
77.5°	625.2	*775.2*	755.2	335.1	565.2	840.2	560.2	270.1	195.1	185.1
80°	350.1	*355.1*	300.1	245.1	335.1	470.1	315.1	170.0	90.0	90.0
82.5°	215.1	*195.1*	155.0	75.0	90.0	285.1	115.0	95.0	30.0	30.0
85°	90.0	*60.0*	40.0	15.0	35.0	75.0	40.0	45.0	15.0	15.0
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

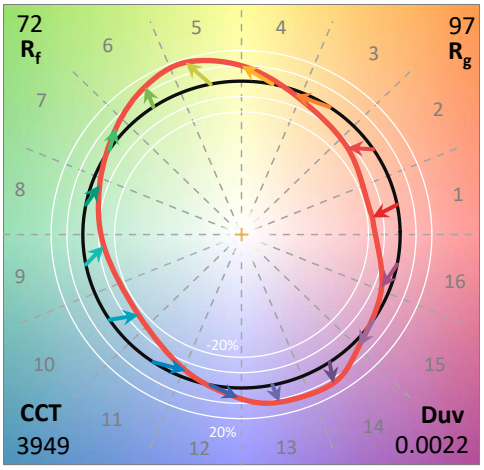
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

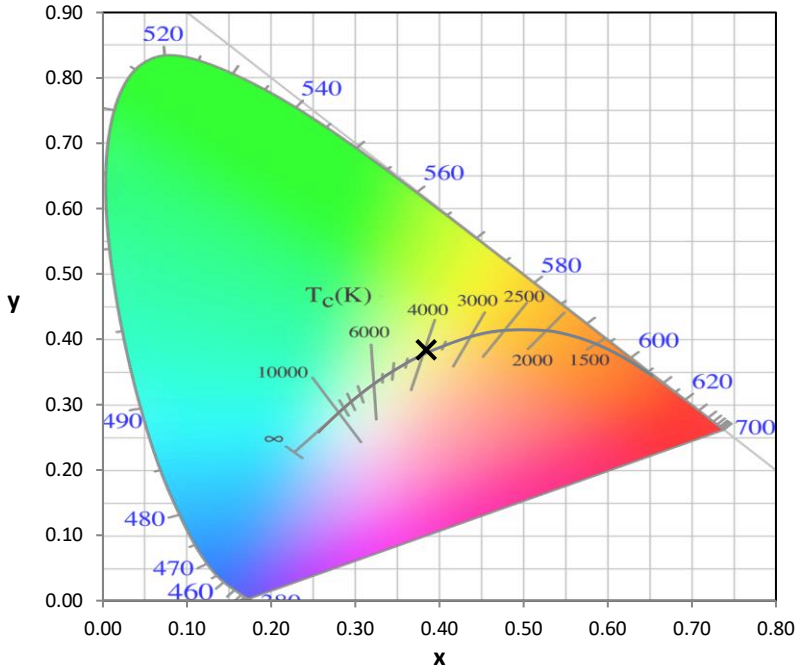
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

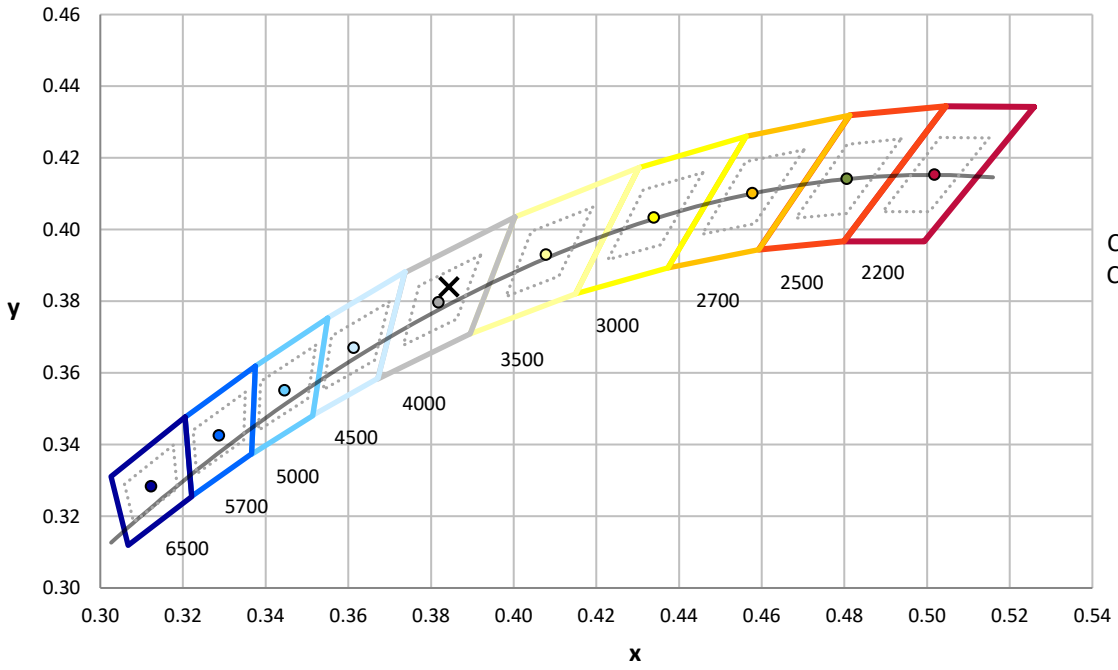
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

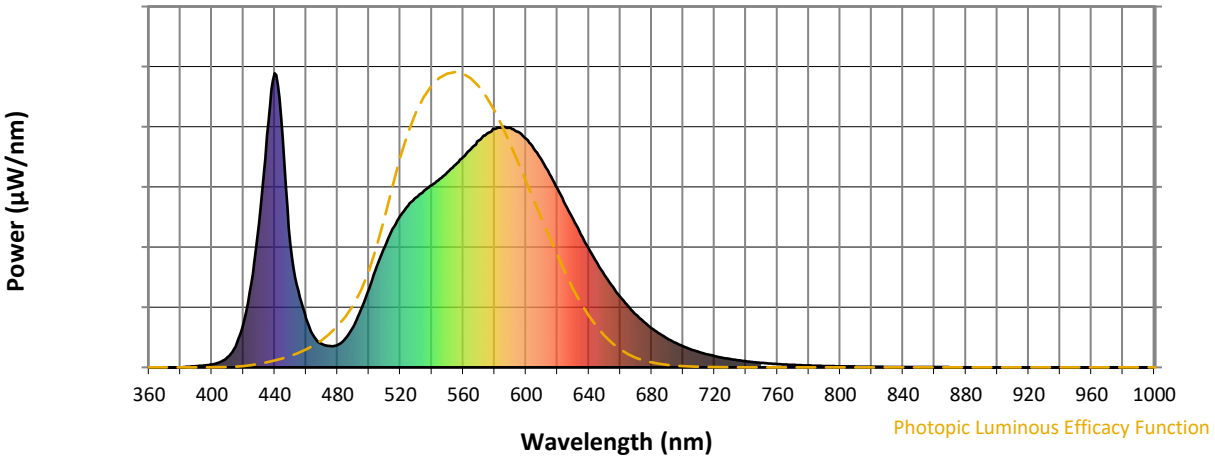


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

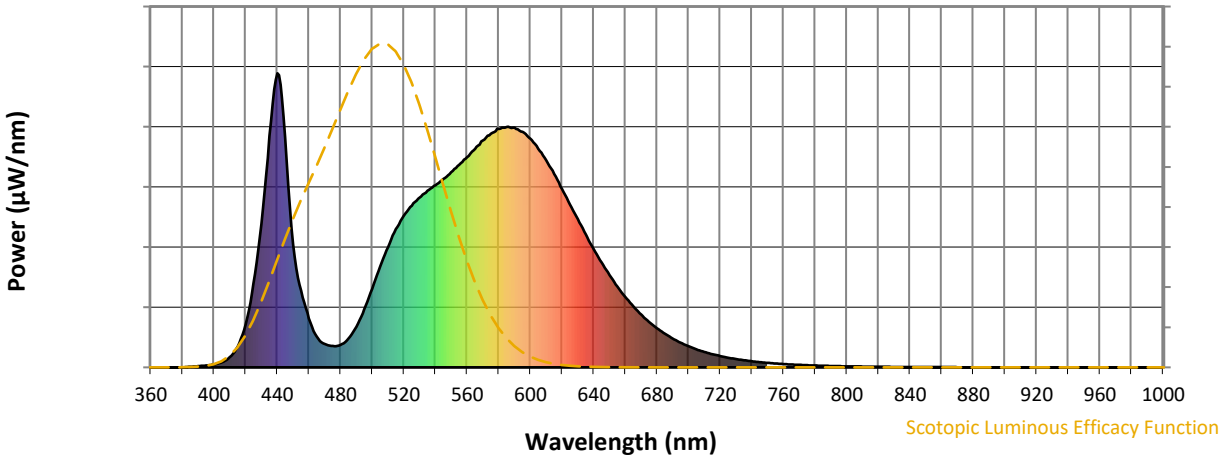


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

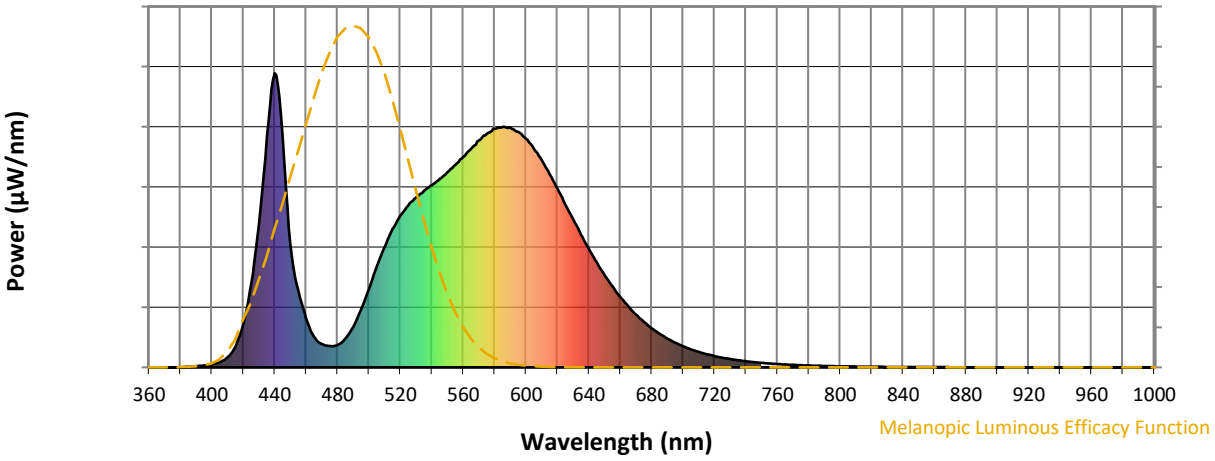


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

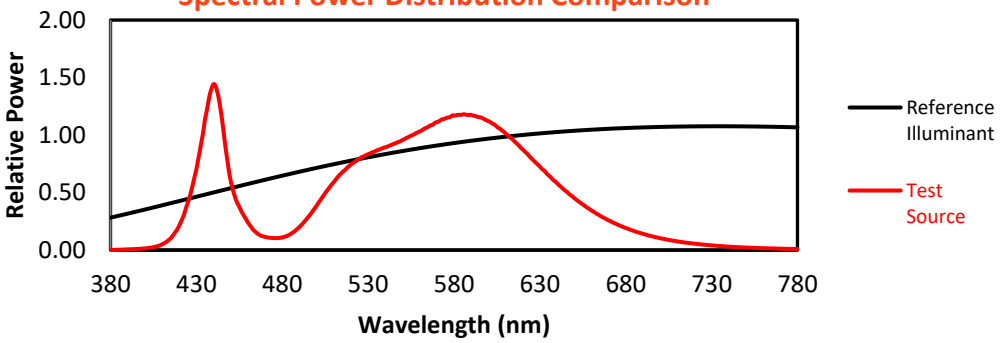
REPORT NUMBER: SP1-2407-184-1

TM-30-18

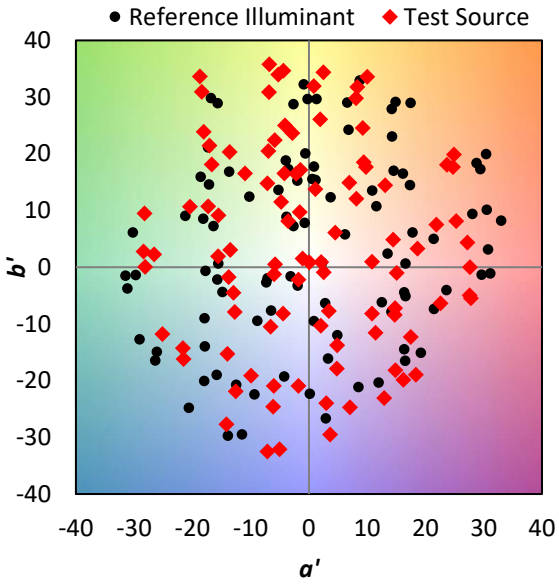
Summary

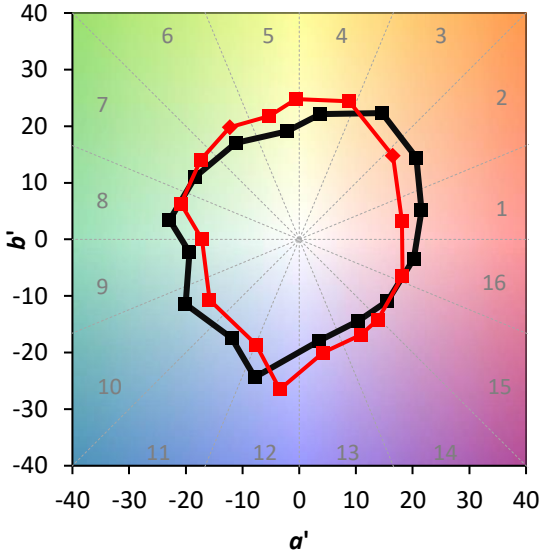
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

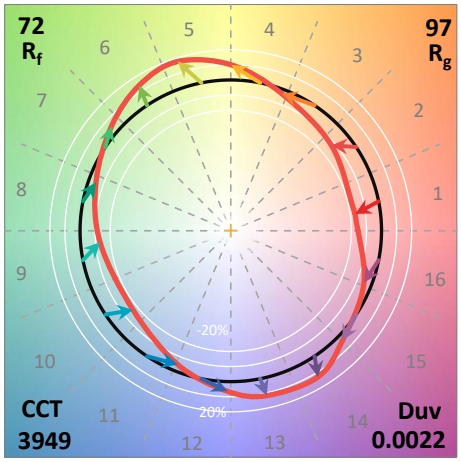
Spectral Power Distribution Comparison

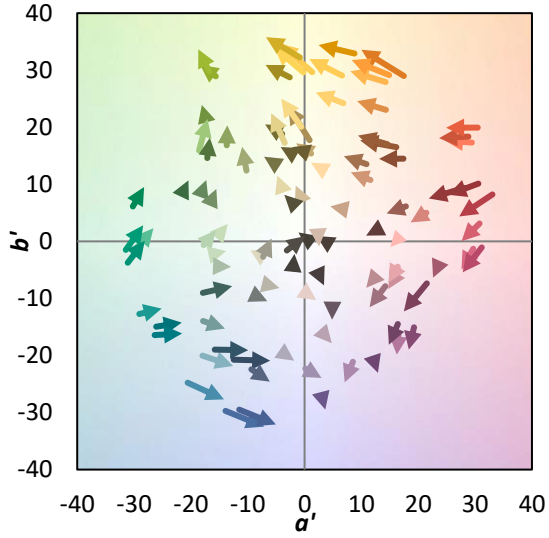


Color Vector Graphics







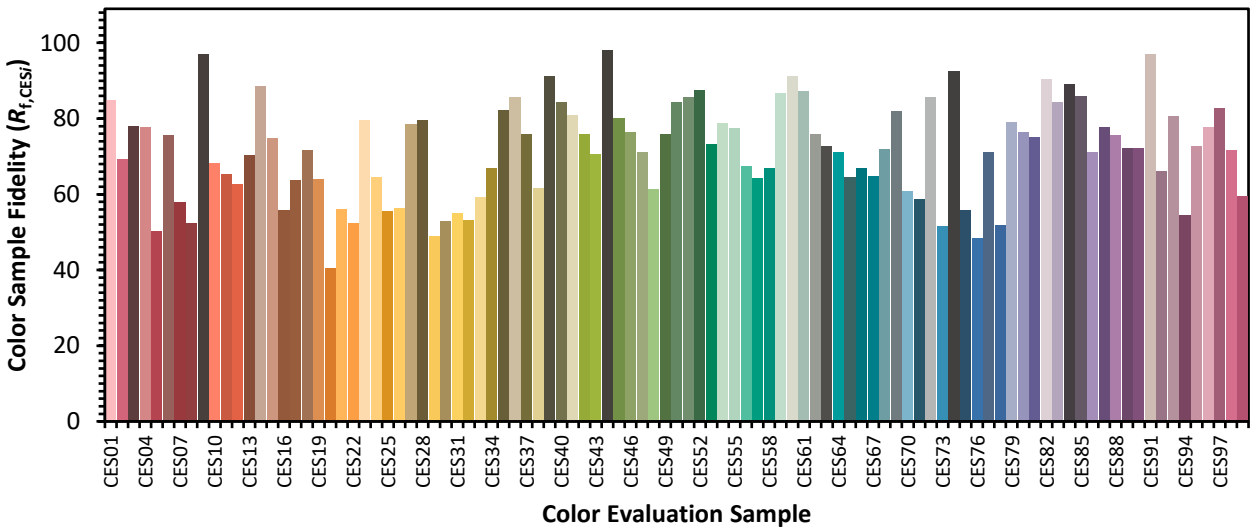


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Individual Sample Fidelity Index ($R_{f,i}$)

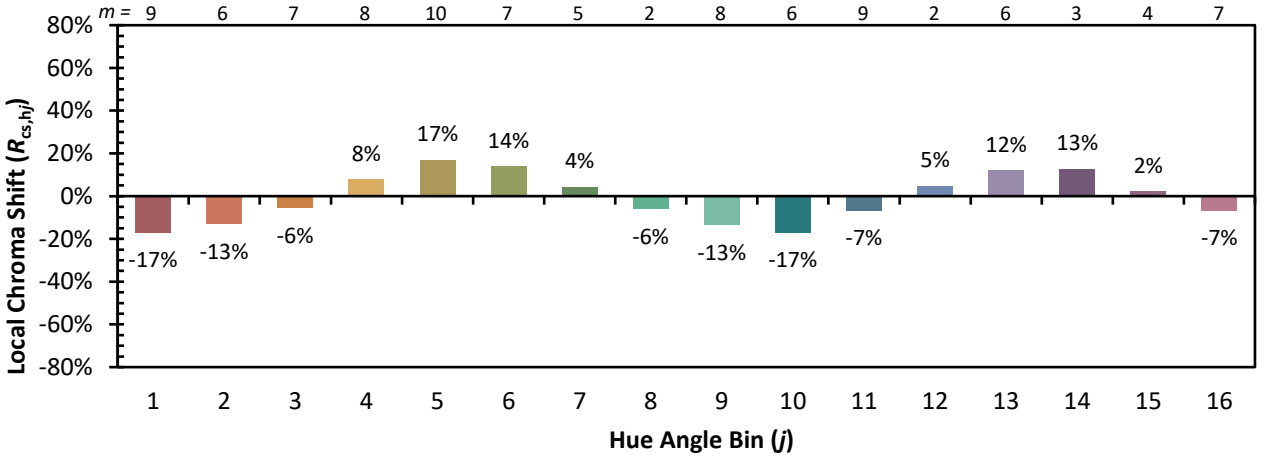
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

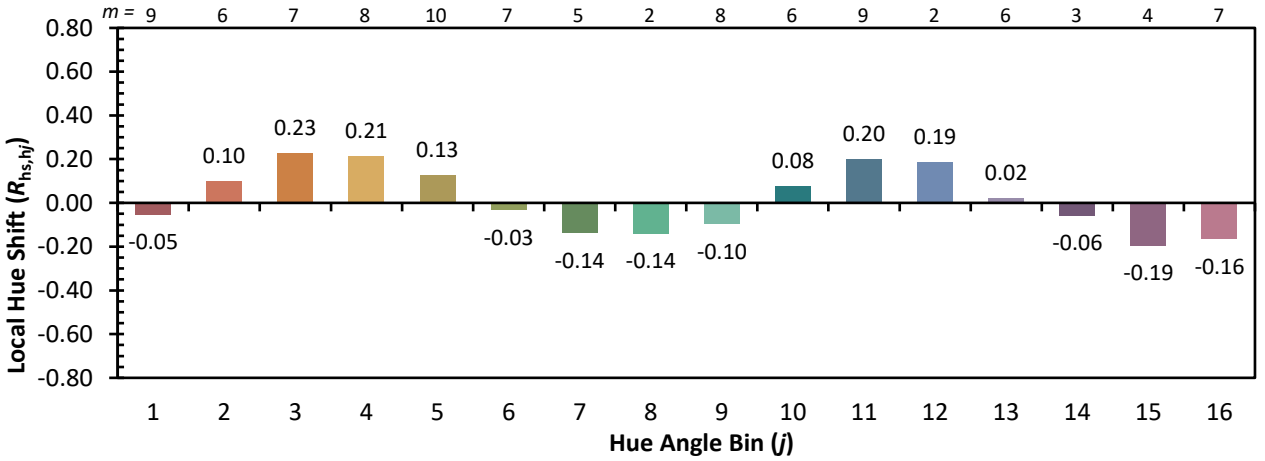


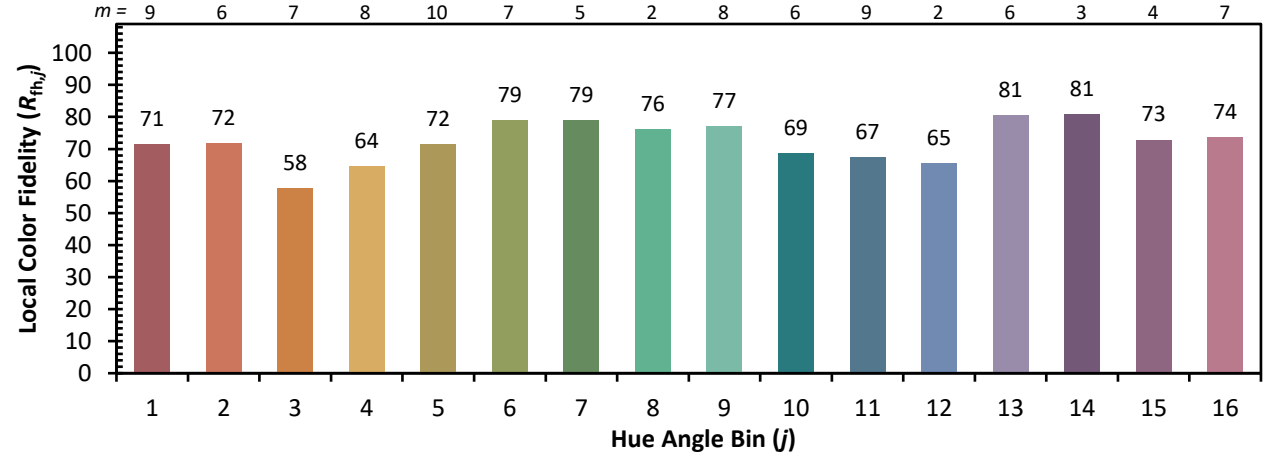
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Color Rendition by Hue-Angle Bin



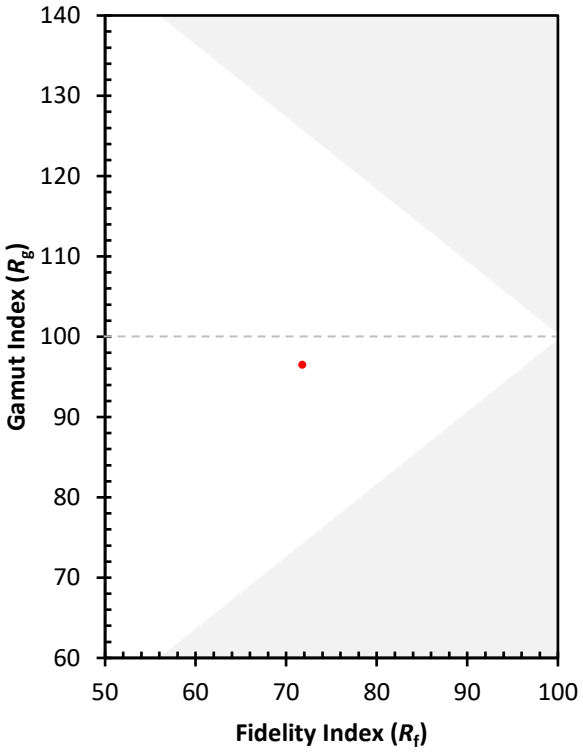


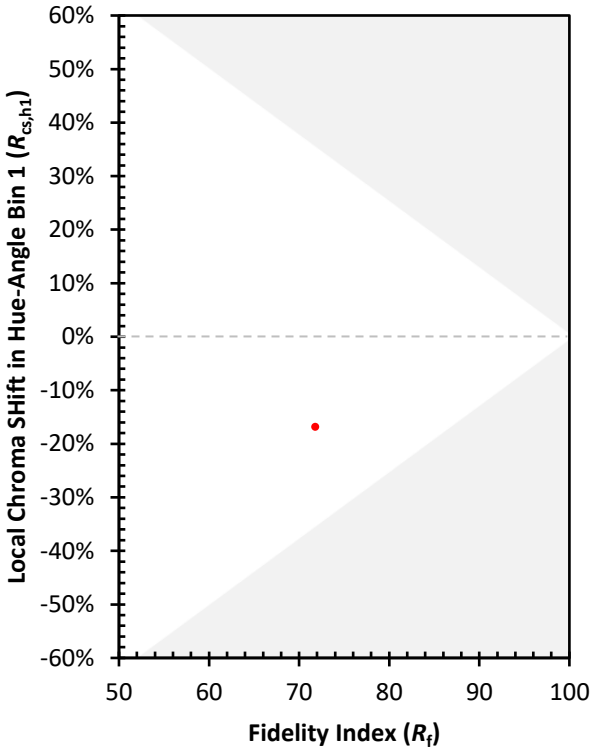


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Measure Comparisons





(END OF REPORT)