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: P1501726

Luminaire Tested: GSS-SB5B-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:	P1501726
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-740-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23521.1 lumens
Efficiency:	N/A
Efficacy:	127.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

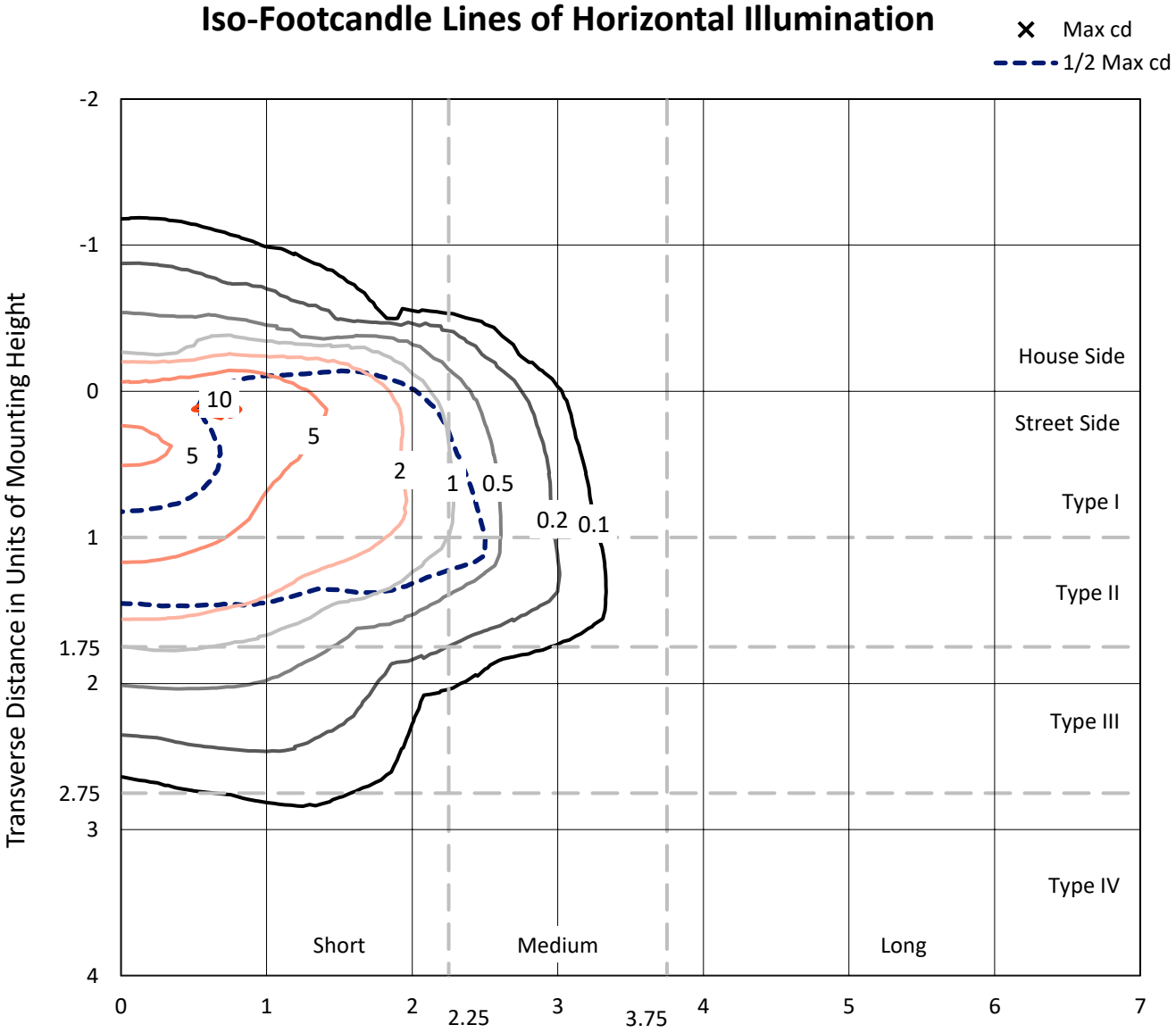
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



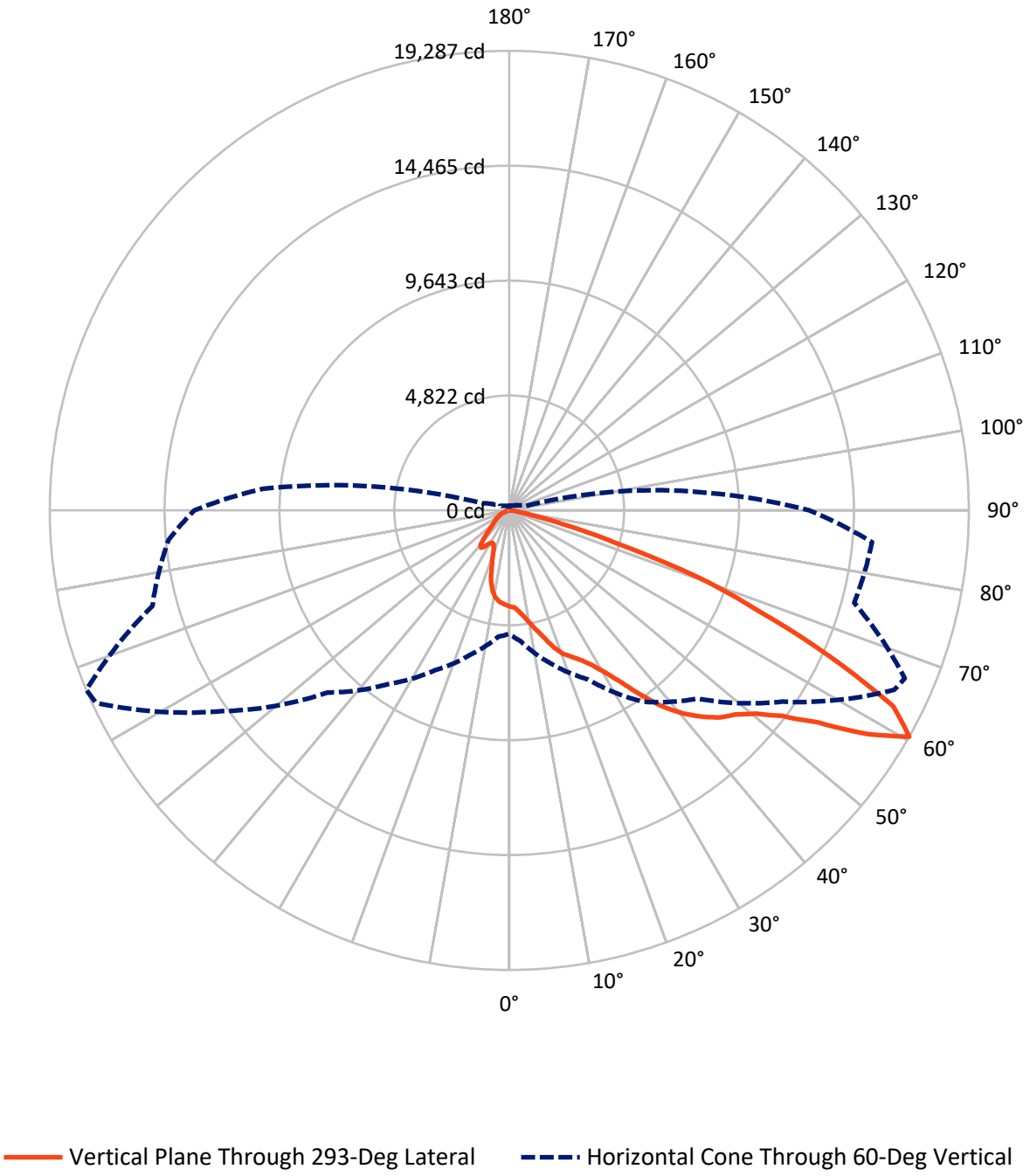
Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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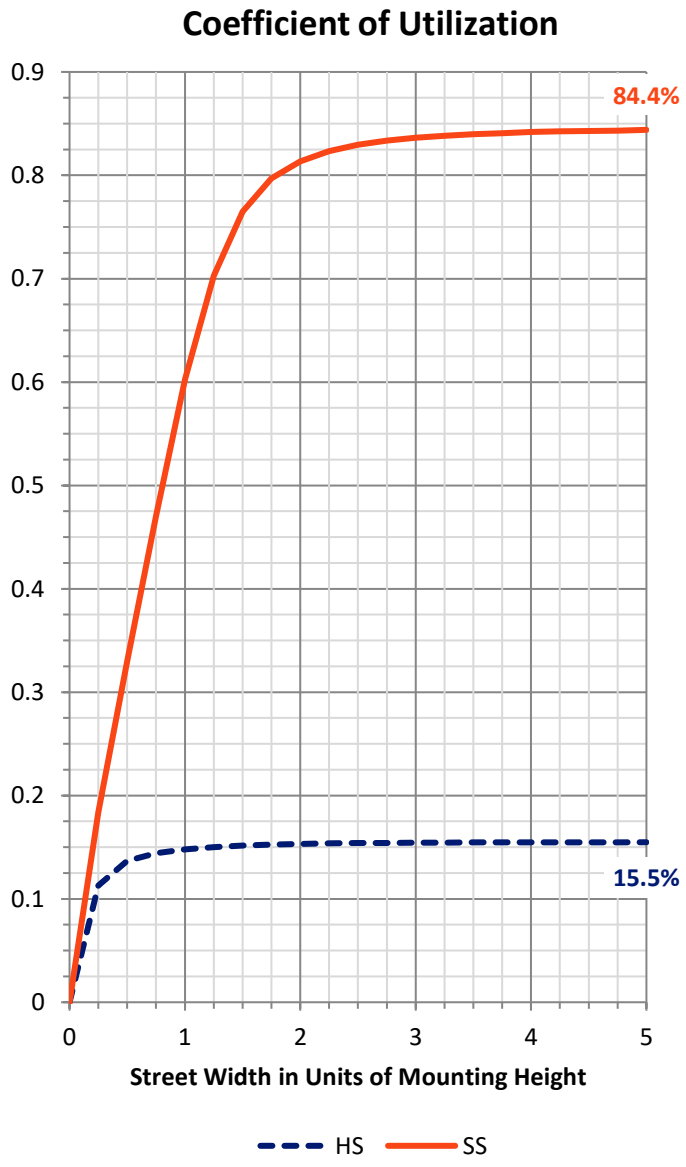
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3669.9	0.0	3669.9
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	19851.3	0.0	19851.3
	% Fixture	84.4	0.0	84.4
Total	Lumens	23521.1	0.0	23521.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.0	1.6
10°-20°	919.3	3.9
20°-30°	1716.2	7.3
30°-40°	3403.4	14.5
40°-50°	5426.3	23.1
50°-60°	6483.1	27.6
60°-70°	4250.0	18.1
70°-80°	890.4	3.8
80°-90°	67.4	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°	23521.1	100.0
0°-180°	23521.1	100.0



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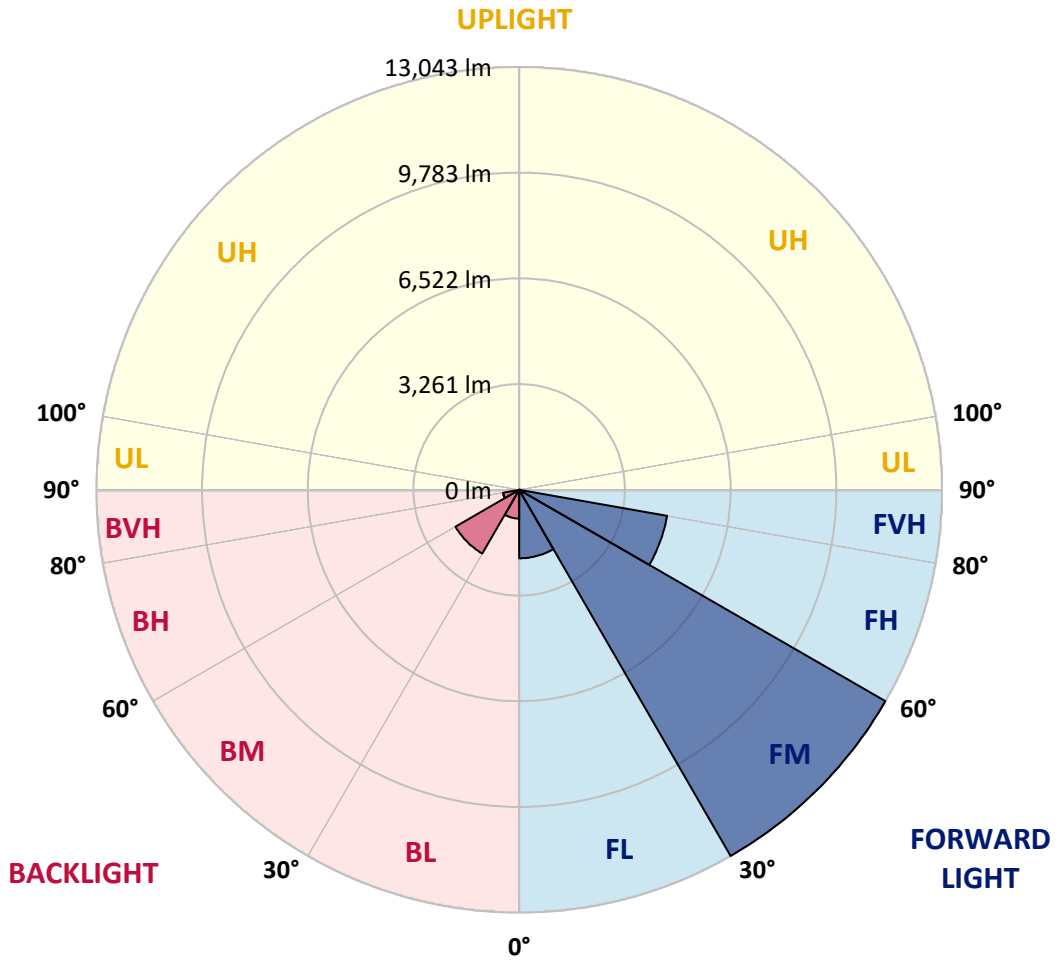
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2112.7	9.0			
FM	(30°-60°)	13043.4	55.5			
FH	(60°-80°)	4633.5	19.7			G2/5000
FVH	(80°-90°)	61.7	0.3			G1/100
BL	(0°-30°)	887.9	3.8	B2/1000		
BM	(30°-60°)	2269.4	9.6	B2/2500		
BH	(60°-80°)	506.9	2.2	B2/1000		G2/1000
BVH	(80°-90°)	5.6	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°	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3
2.5°	4235.5	4222.3	4202.5	4209.1	4202.5	4176.2	4136.7	4103.7	4130.1	4090.6	4064.2
5°	4360.6	4360.6	4347.5	4347.5	4354.0	4340.9	4314.5	4268.4	4275.0	4242.1	4156.4
7.5°	4360.6	4340.9	4373.8	4406.7	4466.0	4499.0	4512.1	4485.8	4499.0	4433.1	4321.1
10°	4103.7	4090.6	4176.2	4301.4	4472.6	4624.1	4722.9	4729.5	4749.3	4683.4	4551.7
12.5°	3557.0	3530.7	3701.9	3939.1	4288.2	4637.3	4914.0	5019.3	5065.5	5039.1	4854.7
15°	3049.8	3082.7	3201.3	3458.2	3925.9	4459.4	5019.3	5368.5	5434.3	5467.3	5249.9
17.5°	2997.1	3003.7	3043.2	3168.4	3524.1	4169.6	5032.5	5730.7	5823.0	5967.9	5671.5
20°	3142.0	3128.9	3168.4	3207.9	3379.2	3912.7	4907.4	6079.9	6257.7	6567.3	6244.5
22.5°	3412.1	3412.1	3431.9	3458.2	3543.8	3893.0	4854.7	6402.6	6705.6	7338.0	6962.5
25°	3866.6	3813.9	3827.1	3794.1	3866.6	4130.1	4973.2	6659.5	7074.5	8194.3	7818.8
27.5°	4571.4	4591.2	4472.6	4294.8	4334.3	4558.2	5263.1	6949.4	7456.6	9083.6	8688.3
30°	5546.3	5513.4	5440.9	5091.8	4933.7	5131.3	5796.6	7423.6	7970.3	10210.0	9847.7
32.5°	6310.4	6402.6	6277.5	6033.8	5790.0	5849.3	6547.5	8187.7	8596.1	11244.1	11046.5
35°	7232.6	7232.6	7258.9	6916.4	6751.7	6738.6	7489.5	9017.7	9426.1	12179.5	12317.8
37.5°	8477.6	8391.9	8247.0	7865.0	7739.8	7904.5	8372.2	9874.0	10315.3	12937.0	13305.9
40°	9524.9	9584.2	9564.4	9011.1	8767.4	8945.2	9360.2	10605.2	10947.7	13424.4	14102.9
42.5°	10552.5	10585.4	10499.8	10236.3	9880.6	9893.8	10236.3	11158.5	11507.6	13892.1	14853.8
45°	11323.2	11316.6	11257.3	11191.4	10980.6	10763.3	10822.5	11771.1	12074.1	14043.6	15262.2
47.5°	11566.9	11619.6	11672.3	11856.7	12001.6	11659.1	11356.1	12100.4	12377.1	14017.3	15413.7
50°	11342.9	11454.9	11711.8	11988.5	12482.5	12456.1	11804.0	12456.1	12726.2	14162.2	15591.6
52.5°	10842.3	10954.3	11296.8	11797.4	12541.8	12910.6	12634.0	13055.6	13371.7	14531.1	15960.5
55°	9676.4	9722.5	10427.3	11086.0	12245.4	12713.0	13523.2	14070.0	14333.5	14979.0	16447.9
57.5°	7878.1	7990.1	8681.8	9755.4	11415.4	12192.7	14030.4	15802.4	15795.8	15407.1	16553.3
60°	*5184.0*	*5513.4*	*6639.8*	*7825.4*	*9808.1*	*11171.7*	*13997.5*	*17831.2*	*18035.4*	*14985.6*	*15282.0*
62.5°	3958.8	4097.2	4736.1	5724.2	7258.9	9261.4	13780.1	18437.2	18595.3	13852.6	13378.3
65°	2977.4	3148.6	3761.2	4643.9	5124.7	6277.5	12357.3	16026.3	16243.7	12363.9	10401.0
67.5°	1824.6	1962.9	2779.7	3813.9	3879.8	3899.5	8339.2	12140.0	12219.0	9972.8	7002.0
70°	1218.6	1356.9	1923.4	2931.2	3089.3	2246.2	4578.0	9189.0	9182.4	6824.2	4255.2
72.5°	704.8	770.7	1218.6	2160.6	2430.6	1429.4	2285.7	5842.7	5585.8	3207.9	1989.3
75°	401.8	447.9	671.9	1389.9	1706.0	909.0	902.4	3128.9	2766.6	1653.4	1086.9
77.5°	243.7	263.5	368.9	909.0	1027.6	612.6	500.6	1455.7	1403.0	968.3	573.1
80°	118.6	138.3	224.0	533.6	658.7	329.4	303.0	573.1	612.6	533.6	303.0
82.5°	39.5	52.7	125.2	204.2	428.2	131.7	125.2	316.2	335.9	316.2	144.9
85°	19.8	26.3	59.3	65.9	164.7	65.9	46.1	138.3	171.3	105.4	59.3
87.5°	0.0	6.6	6.6	6.6	6.6	6.6	6.6	13.2	13.2	13.2	13.2
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°	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3
2.5°	4044.5	4031.3	4004.9	3958.8	3952.2	3919.3	3866.6	3833.7	3807.3	3827.1	3833.7
5°	4116.9	4084.0	4004.9	3879.8	3748.0	3616.3	3491.1	3346.2	3247.4	3234.2	3207.9
7.5°	4248.7	4182.8	4011.5	3767.8	3431.9	3115.7	2746.8	2391.1	2213.3	2186.9	2127.6
10°	4459.4	4347.5	4064.2	3570.2	2924.7	2266.0	1706.0	1324.0	1106.6	1067.1	1080.3
12.5°	4709.8	4551.7	4070.8	3234.2	2226.4	1403.0	968.3	823.4	777.3	757.5	757.5
15°	5032.5	4802.0	4064.2	2799.5	1501.9	902.4	777.3	718.0	698.2	685.1	685.1
17.5°	5440.9	5137.9	4018.1	2147.4	1014.4	783.9	711.4	665.3	638.9	632.4	632.4
20°	5921.8	5513.4	3912.7	1600.7	849.7	731.2	671.9	612.6	592.8	579.7	579.7
22.5°	6534.4	5967.9	3708.5	1245.0	803.6	698.2	632.4	566.5	546.7	533.6	533.6
25°	7245.8	6547.5	3438.4	1119.8	797.0	671.9	592.8	527.0	507.2	500.6	494.0
27.5°	8088.9	7166.7	3188.1	1126.4	810.2	652.1	553.3	494.0	474.3	454.5	461.1
30°	9083.6	7805.7	2983.9	1205.4	823.4	632.4	527.0	474.3	454.5	428.2	428.2
32.5°	10065.0	8556.6	2964.2	1350.3	869.5	619.2	500.6	447.9	428.2	408.4	408.4
35°	11072.9	9241.7	3076.2	1541.4	961.7	599.4	467.7	421.6	401.8	388.6	382.0
37.5°	12034.6	9788.4	3181.6	1659.9	909.0	513.8	428.2	388.6	368.9	342.5	342.5
40°	12673.5	10084.8	3201.3	1567.7	750.9	461.1	388.6	349.1	322.8	309.6	303.0
42.5°	13141.2	10275.8	2977.4	1271.3	652.1	421.6	355.7	316.2	296.4	283.2	283.2
45°	13332.2	10210.0	2595.3	968.3	599.4	388.6	322.8	289.8	276.7	263.5	263.5
47.5°	13305.9	9906.9	2206.7	777.3	546.7	355.7	303.0	276.7	263.5	250.3	243.7
50°	13259.8	9623.7	1811.4	691.6	487.4	335.9	283.2	263.5	243.7	230.5	224.0
52.5°	13562.8	9531.5	1501.9	632.4	454.5	322.8	276.7	250.3	230.5	217.4	217.4
55°	13865.8	9571.0	1179.1	592.8	421.6	316.2	270.1	243.7	224.0	204.2	204.2
57.5°	13846.0	9399.7	895.8	553.3	395.2	309.6	263.5	237.1	204.2	191.0	191.0
60°	*12587.9*	*8385.3*	*698.2*	*507.2*	*362.3*	*289.8*	*243.7*	*224.0*	*191.0*	*171.3*	*171.3*
62.5°	10644.7	6593.7	573.1	447.9	322.8	263.5	224.0	204.2	171.3	138.3	138.3
65°	7865.0	4755.9	461.1	388.6	296.4	230.5	204.2	177.9	138.3	112.0	105.4
67.5°	5322.3	2924.7	368.9	322.8	263.5	197.6	171.3	151.5	125.2	92.2	85.6
70°	3155.2	1554.5	270.1	224.0	197.6	144.9	144.9	131.7	105.4	79.0	72.5
72.5°	1501.9	540.1	197.6	164.7	151.5	105.4	112.0	112.0	85.6	59.3	52.7
75°	764.1	263.5	131.7	118.6	98.8	79.0	92.2	85.6	59.3	39.5	39.5
77.5°	434.7	184.4	92.2	79.0	65.9	52.7	59.3	52.7	32.9	19.8	19.8
80°	243.7	131.7	59.3	52.7	39.5	32.9	32.9	26.3	19.8	6.6	6.6
82.5°	92.2	79.0	39.5	26.3	19.8	19.8	13.2	13.2	6.6	0.0	0.0
85°	39.5	19.8	19.8	13.2	13.2	6.6	6.6	6.6	0.0	0.0	0.0
87.5°	6.6	6.6	6.6	6.6	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°	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3
2.5°	3781.0	3794.1	3807.3	3860.0	3873.2	3912.7	3945.7	3985.2	3991.8	4044.5	4044.5
5°	3260.6	3254.0	3366.0	3530.7	3636.1	3781.0	3893.0	4011.5	4077.4	4163.0	4202.5
7.5°	2160.6	2325.2	2575.5	2865.4	3240.8	3590.0	3853.4	4084.0	4242.1	4340.9	4380.4
10°	1073.7	1165.9	1429.4	1903.7	2542.6	3254.0	3813.9	4242.1	4499.0	4610.9	4683.4
12.5°	757.5	777.3	823.4	1080.3	1692.9	2700.7	3688.8	4413.3	4769.0	4979.8	5072.0
15°	678.5	691.6	711.4	783.9	1047.3	2015.6	3464.8	4604.4	5190.6	5434.3	5552.9
17.5°	625.8	632.4	652.1	711.4	823.4	1370.1	3102.5	4808.6	5697.8	5994.2	6218.2
20°	579.7	579.7	599.4	671.9	764.1	1053.9	2582.1	5039.1	6343.3	6771.5	6995.5
22.5°	527.0	540.1	553.3	632.4	744.3	961.7	2094.7	5217.0	7061.3	7581.7	7845.2
25°	487.4	500.6	513.8	592.8	724.6	961.7	1811.4	5328.9	7865.0	8484.1	8846.4
27.5°	454.5	467.7	487.4	566.5	704.8	1001.2	1699.5	5361.9	8741.0	9544.7	10032.1
30°	428.2	441.3	461.1	546.7	718.0	1047.3	1739.0	5315.8	9630.3	10638.1	11217.8
32.5°	401.8	415.0	434.7	527.0	718.0	1106.6	1870.7	5223.5	10493.2	11731.6	12443.0
35°	382.0	388.6	395.2	474.3	652.1	1100.0	2035.4	5131.3	11362.7	12811.8	13641.8
37.5°	342.5	349.1	362.3	408.4	520.4	1001.2	2068.3	5019.3	12047.7	13720.9	14636.5
40°	303.0	316.2	329.4	375.5	434.7	810.2	1923.4	4782.2	12410.0	14419.1	15532.3
42.5°	276.7	283.2	296.4	342.5	401.8	645.5	1613.8	4367.2	12732.8	14893.4	16184.4
45°	256.9	263.5	276.7	309.6	375.5	559.9	1271.3	3860.0	12759.1	15044.9	16500.6
47.5°	237.1	243.7	250.3	283.2	362.3	500.6	974.9	3398.9	12752.6	15242.5	16770.7
50°	224.0	230.5	243.7	270.1	342.5	447.9	803.6	3023.5	13029.2	15670.6	17317.4
52.5°	217.4	217.4	237.1	263.5	322.8	408.4	671.9	2687.5	13174.1	16092.2	17712.6
55°	204.2	210.8	224.0	250.3	303.0	388.6	573.1	2266.0	13240.0	16303.0	17785.1
57.5°	191.0	197.6	217.4	237.1	289.8	368.9	494.0	1692.9	12298.0	15202.9	16573.1
60°	*171.3*	*184.4*	*210.8*	*230.5*	*270.1*	*335.9*	*434.7*	*1146.1*	*10374.6*	*13213.7*	*14359.8*
62.5°	138.3	164.7	191.0	204.2	243.7	283.2	368.9	764.1	8286.5	10934.5	12238.8
65°	105.4	138.3	158.1	177.9	204.2	237.1	309.6	520.4	5526.5	7357.8	8826.7
67.5°	92.2	118.6	131.7	144.9	171.3	204.2	250.3	362.3	3352.8	4419.9	5869.1
70°	72.5	98.8	112.0	105.4	131.7	158.1	177.9	243.7	1712.6	2397.7	3339.6
72.5°	52.7	79.0	85.6	85.6	79.0	112.0	131.7	171.3	744.3	1165.9	1515.0
75°	39.5	52.7	59.3	52.7	46.1	72.5	92.2	112.0	487.4	698.2	882.7
77.5°	19.8	19.8	32.9	32.9	19.8	39.5	46.1	65.9	276.7	408.4	507.2
80°	6.6	0.0	0.0	6.6	0.0	13.2	19.8	32.9	144.9	217.4	316.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	72.5	65.9	164.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	39.5
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: P1501726
CATALOG NUMBER: GSS-SB5B-740-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3	4031.3
2.5°	4077.4	4077.4	4103.7	4143.3	4163.0	4176.2	4182.8	4196.0	4248.7	4235.5
5°	4248.7	4261.8	4281.6	4321.1	4367.2	4354.0	4354.0	4354.0	4387.0	4360.6
7.5°	4472.6	4512.1	4518.7	4564.8	4531.9	4466.0	4426.5	4367.2	4360.6	4360.6
10°	4834.9	4821.7	4821.7	4762.4	4643.9	4452.9	4281.6	4163.0	4097.2	4103.7
12.5°	5223.5	5170.8	5177.4	4960.1	4624.1	4202.5	3853.4	3596.5	3576.8	3557.0
15°	5704.4	5566.1	5539.7	5039.1	4327.7	3682.2	3339.6	3135.4	3069.6	3049.8
17.5°	6389.5	6040.3	5915.2	4900.8	3939.1	3359.4	3102.5	3010.3	3003.7	2997.1
20°	7114.0	6422.4	6185.3	4696.6	3807.3	3366.0	3175.0	3148.6	3135.4	3142.0
22.5°	7957.2	6666.1	6363.1	4729.5	3925.9	3583.4	3431.9	3412.1	3398.9	3412.1
25°	8826.7	6949.4	6573.9	4993.0	4281.6	3985.2	3807.3	3767.8	3807.3	3866.6
27.5°	9702.7	7331.4	6988.9	5513.4	4854.7	4531.9	4360.6	4505.6	4564.8	4571.4
30°	10480.0	7865.0	7548.8	6244.5	5506.8	5184.0	5217.0	5401.4	5473.9	5546.3
32.5°	11191.4	8576.4	8332.6	7074.5	6349.9	6158.9	6139.1	6277.5	6356.5	6310.4
35°	11909.4	9505.1	9268.0	7976.9	7384.1	7226.0	7061.3	7331.4	7305.1	7232.6
37.5°	12587.9	10440.5	10223.1	8945.2	8332.6	8056.0	8029.6	8273.4	8490.7	8477.6
40°	13075.3	11198.0	10934.5	9906.9	9327.3	9090.1	9228.5	9650.0	9597.4	9524.9
42.5°	13523.2	11843.5	11606.4	10750.1	10144.1	10249.5	10374.6	10657.9	10624.9	10552.5
45°	13734.0	12396.9	12192.7	11389.0	11092.6	11428.6	11422.0	11527.4	11349.5	11323.2
47.5°	14030.4	12792.1	12581.3	11962.1	12225.6	12363.9	11975.3	11863.3	11698.6	11566.9
50°	14577.2	13404.7	13193.9	12831.6	13055.6	12627.4	12153.1	11909.4	11573.5	11342.9
52.5°	15216.1	14333.5	14149.0	14004.1	13378.3	12495.7	11889.7	11448.3	11039.9	10842.3
55°	16019.7	15703.6	15571.8	14774.8	13088.5	11955.5	11244.1	10420.7	9860.8	9676.4
57.5°	16283.2	17712.6	17666.5	14899.9	12278.3	10974.0	9689.6	8576.4	7996.7	7878.1
60°	15506.0	19286.9	19122.2	14689.2	10809.4	8905.7	7403.9	6264.3	5322.3	5184.0
62.5°	14511.3	18081.5	18022.2	13628.6	8233.8	6382.9	5533.1	4466.0	4064.2	3958.8
65°	12429.8	14794.5	14820.9	10934.5	5210.4	4584.6	4545.1	3550.4	3056.4	2977.4
67.5°	9571.0	11349.5	11165.1	6876.9	3036.6	3669.0	3629.5	2595.3	1877.3	1824.6
70°	5592.4	8451.2	8154.8	3576.8	2009.1	3063.0	2792.9	1824.6	1277.9	1218.6
72.5°	2470.1	4650.5	4993.0	1574.3	1416.2	2437.2	2015.6	1119.8	718.0	704.8
75°	1370.1	2305.5	2410.9	685.1	994.6	1732.4	1218.6	625.8	408.4	401.8
77.5°	823.4	1021.0	994.6	441.3	744.3	1106.6	737.8	355.7	256.9	243.7
80°	461.1	467.7	395.2	322.8	441.3	619.2	415.0	224.0	118.6	118.6
82.5°	283.2	256.9	204.2	98.8	118.6	375.5	151.5	125.2	39.5	39.5
85°	118.6	79.0	52.7	19.8	46.1	98.8	52.7	59.3	19.8	19.8
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

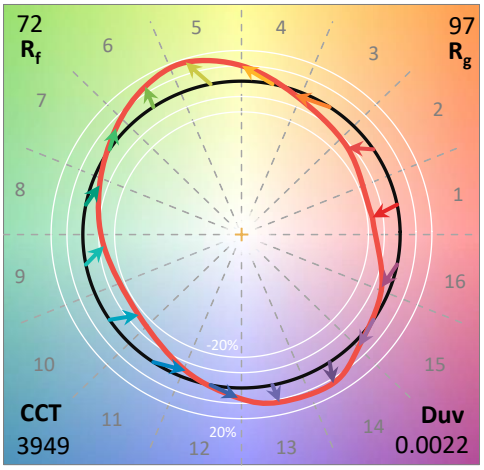
Test Information

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

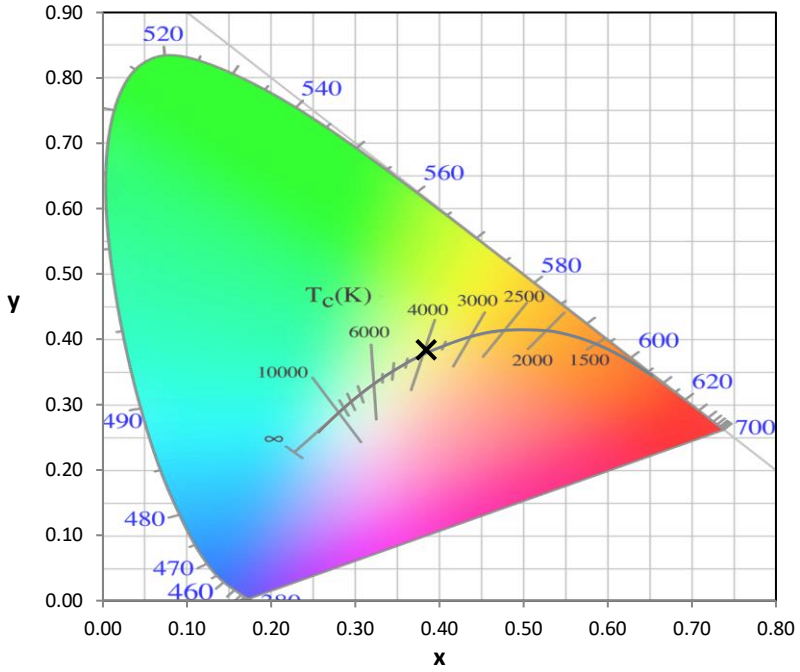
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

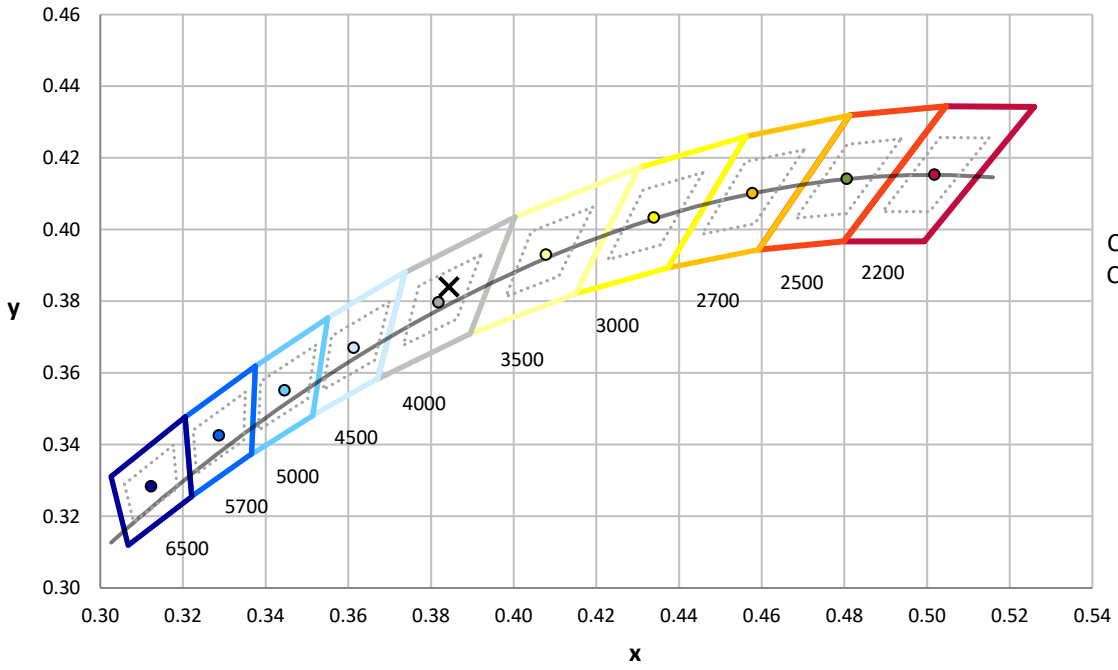
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

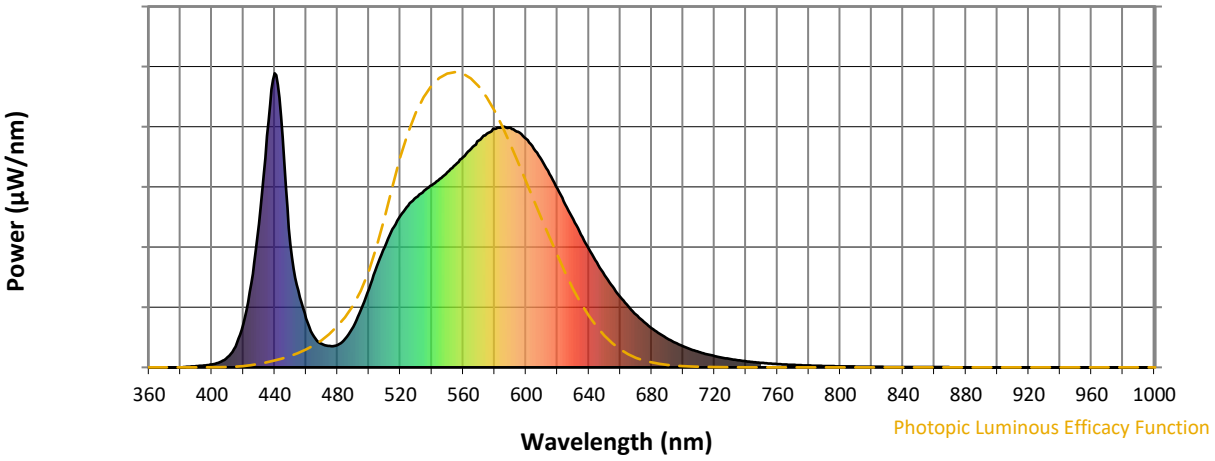


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

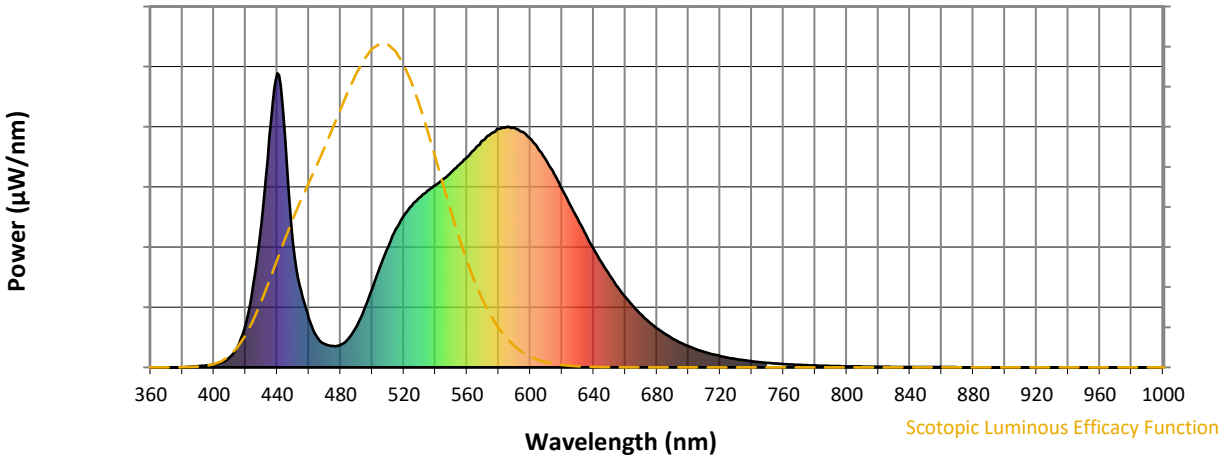


Photopic Lumens: NR

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

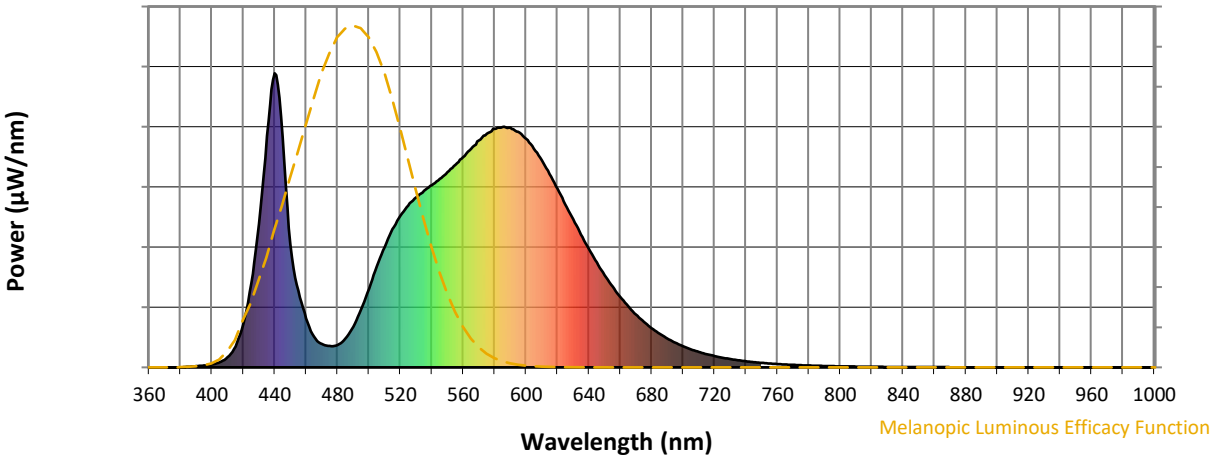


Scotopic Lumens: NR **S/P: 1.47**

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			

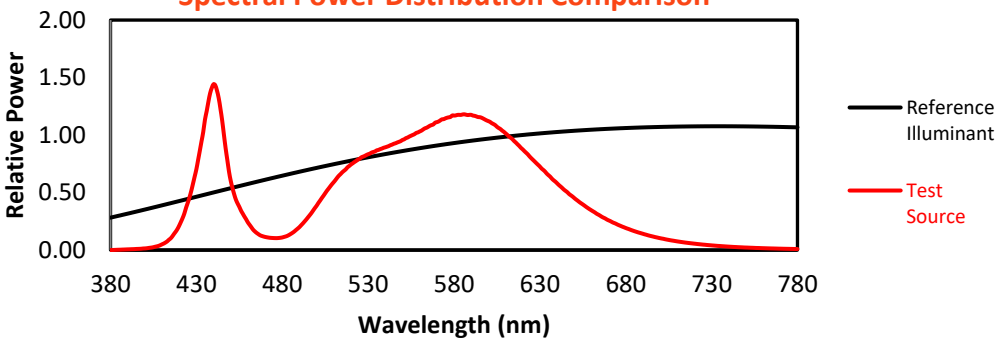
REPORT NUMBER: SP1-2407-184-1

TM-30-18

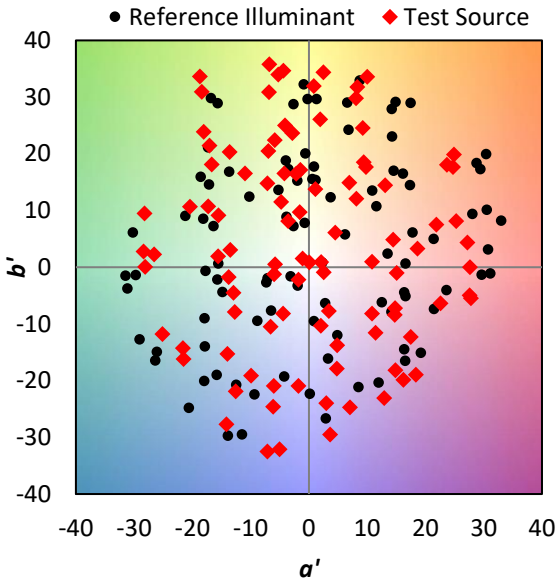
Summary

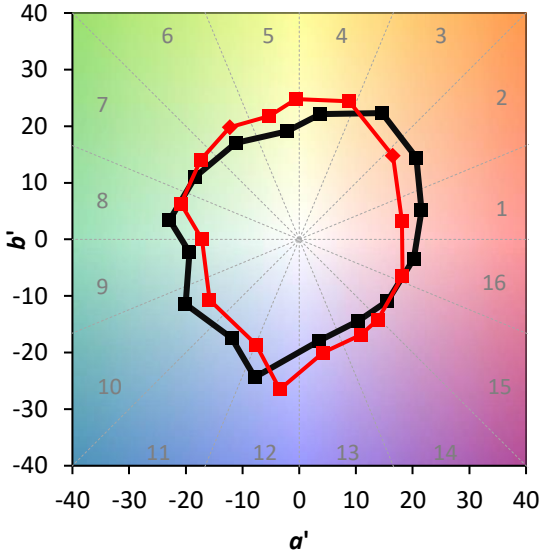
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

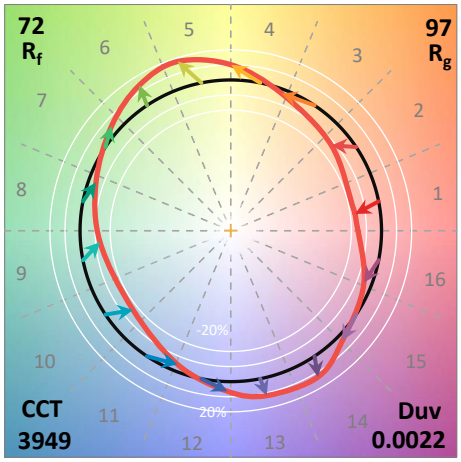
Spectral Power Distribution Comparison

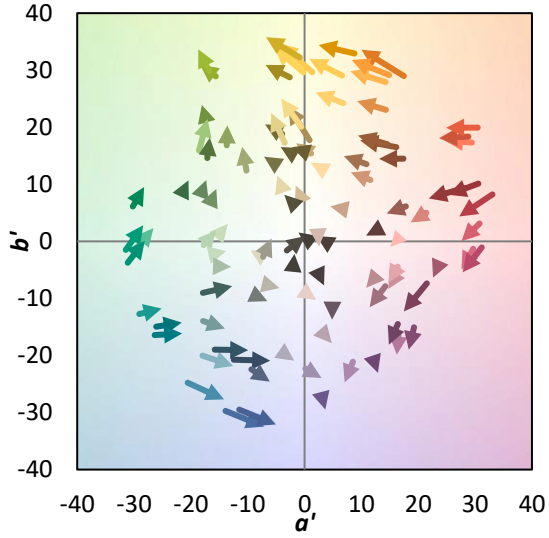


Color Vector Graphics







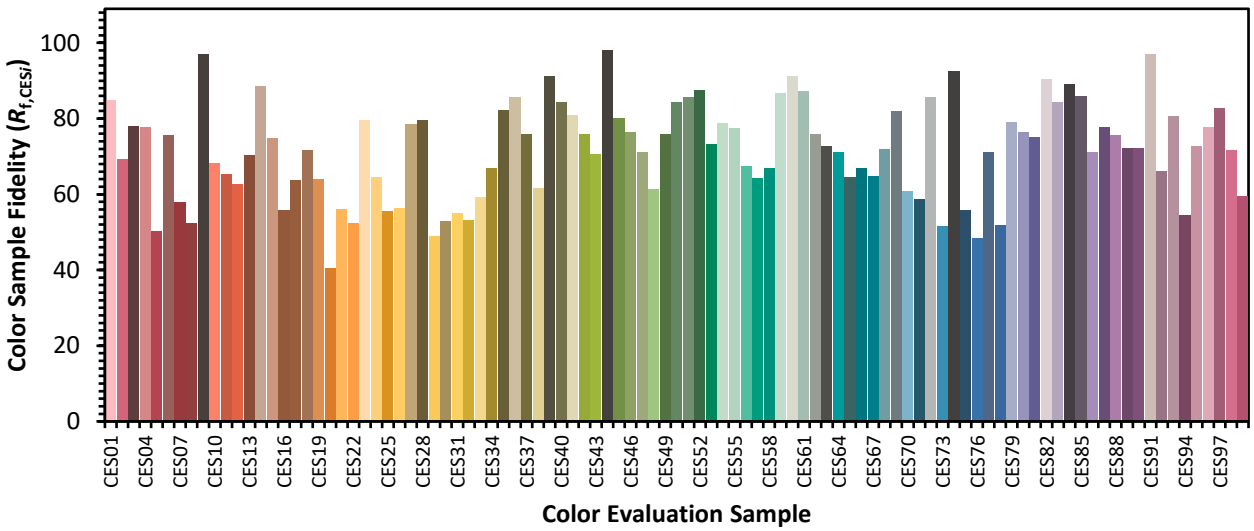


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Individual Sample Fidelity Index ($R_{f,i}$)

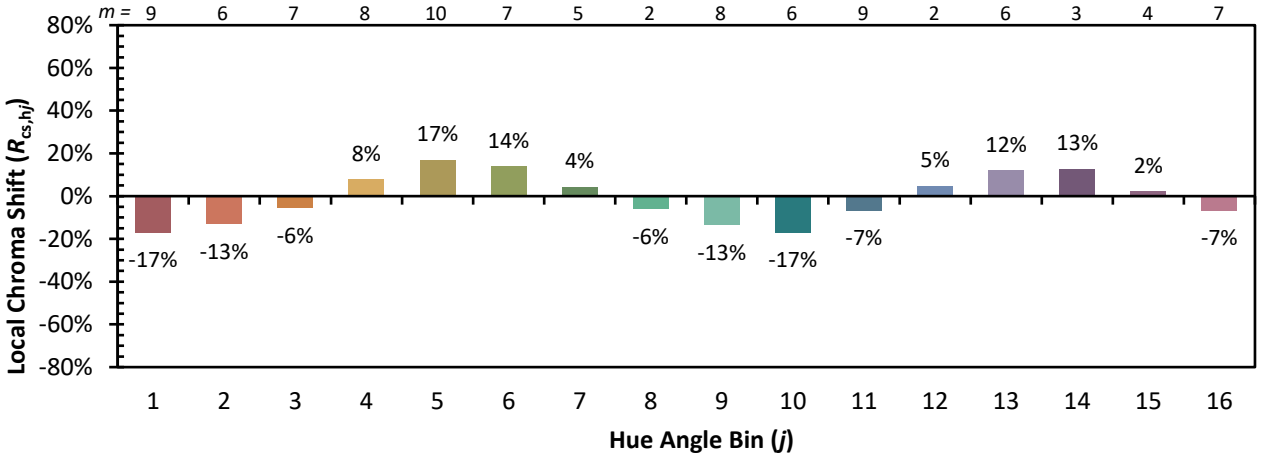
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 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	

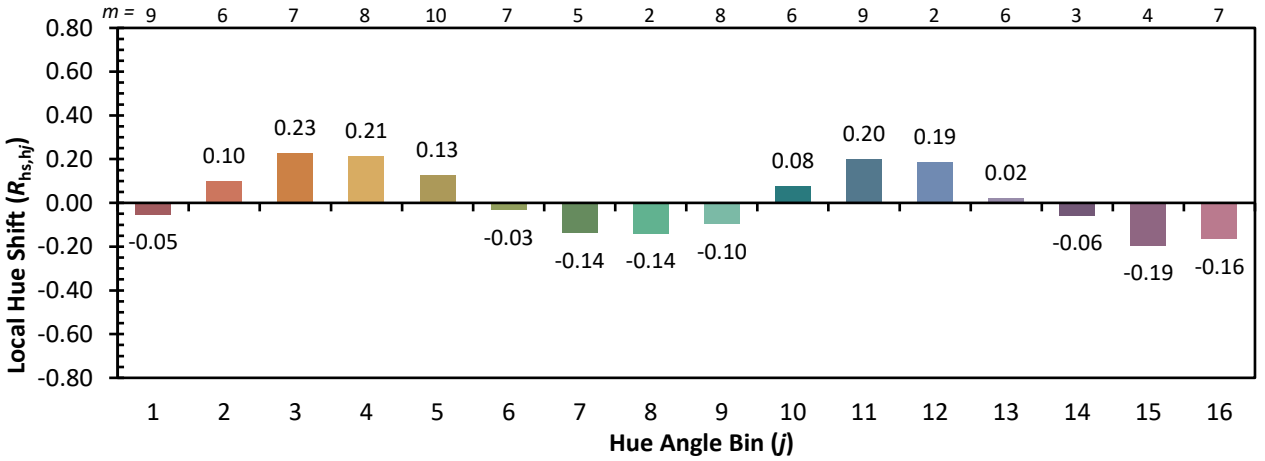


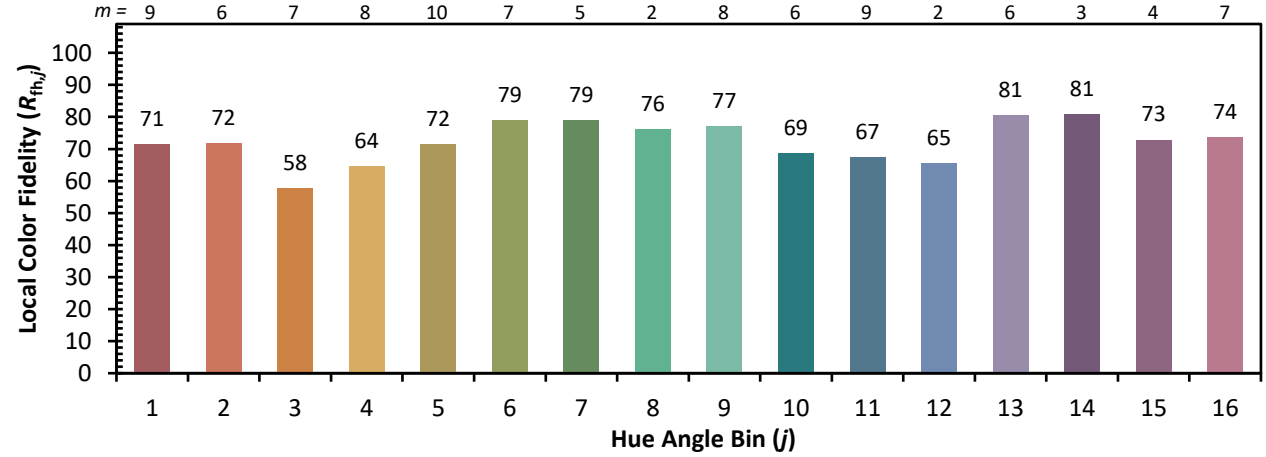
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Color Rendition by Hue-Angle Bin



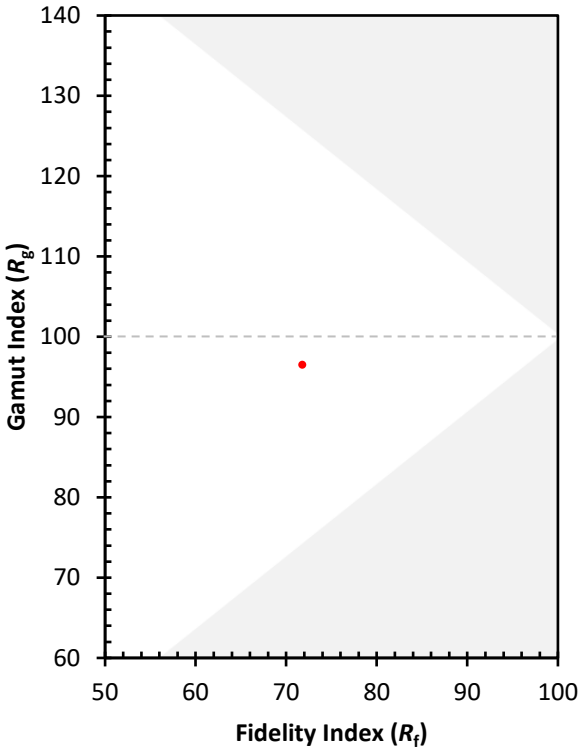


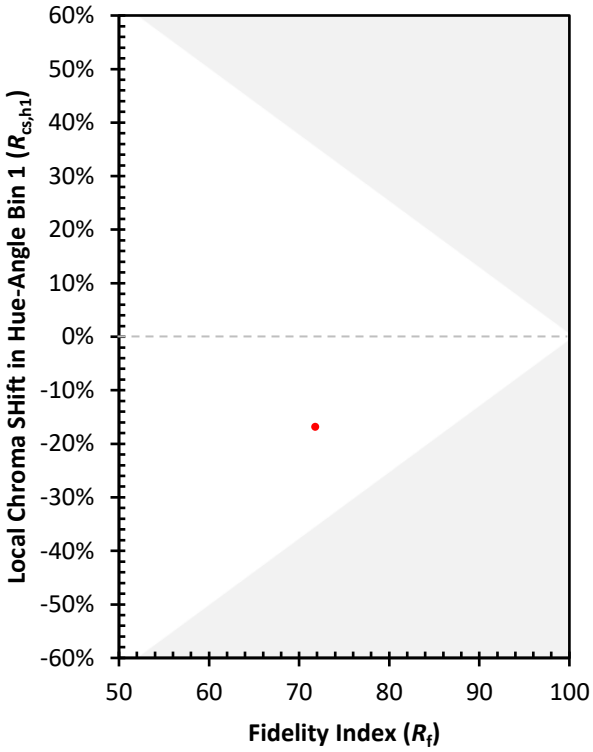


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Measure Comparisons





(END OF REPORT)