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: P1501456

Luminaire Tested: GSS-SB3D-750-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501456
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3D-750-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30159.7 lumens
Efficiency:	N/A
Efficacy:	137.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

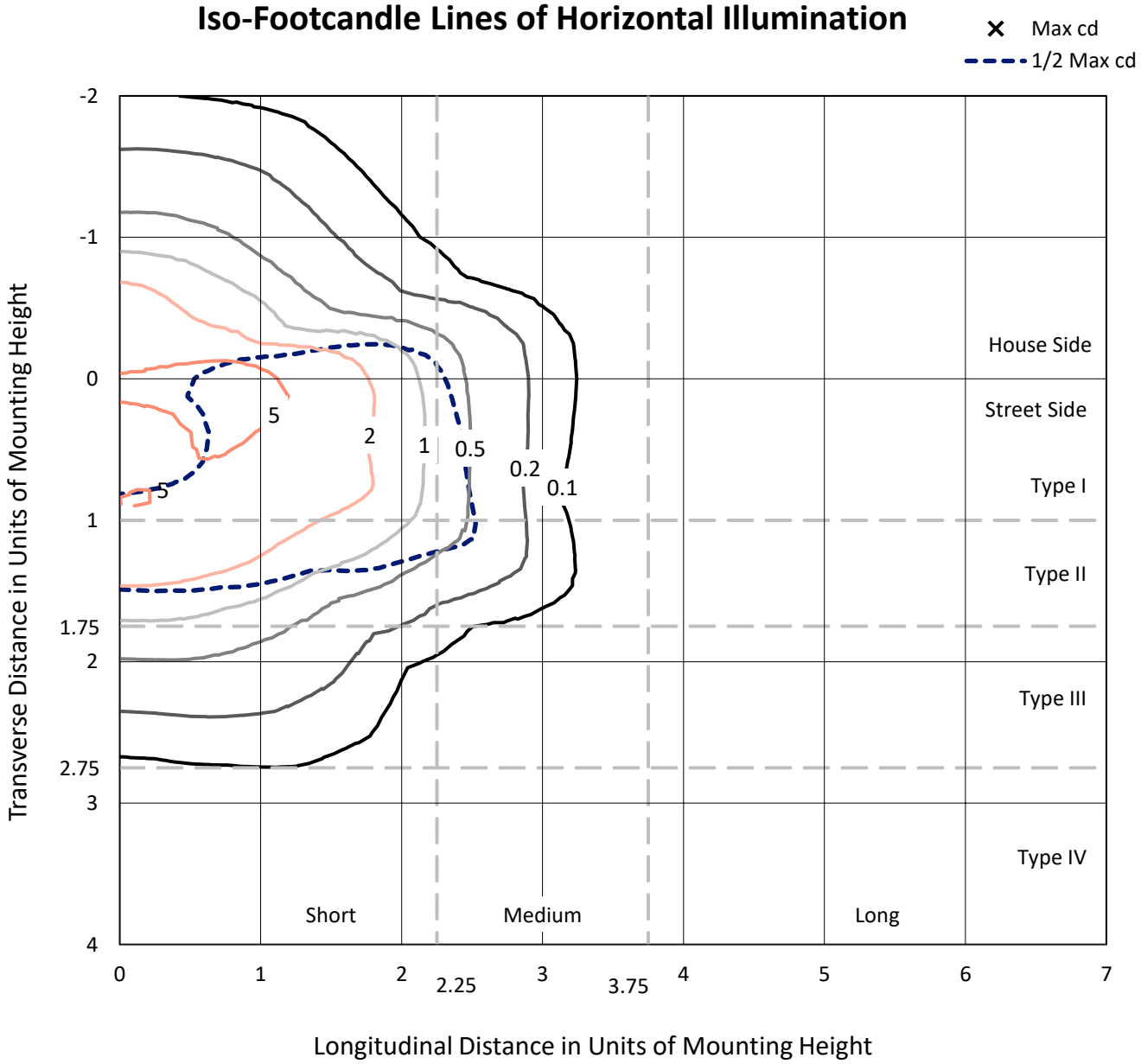
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



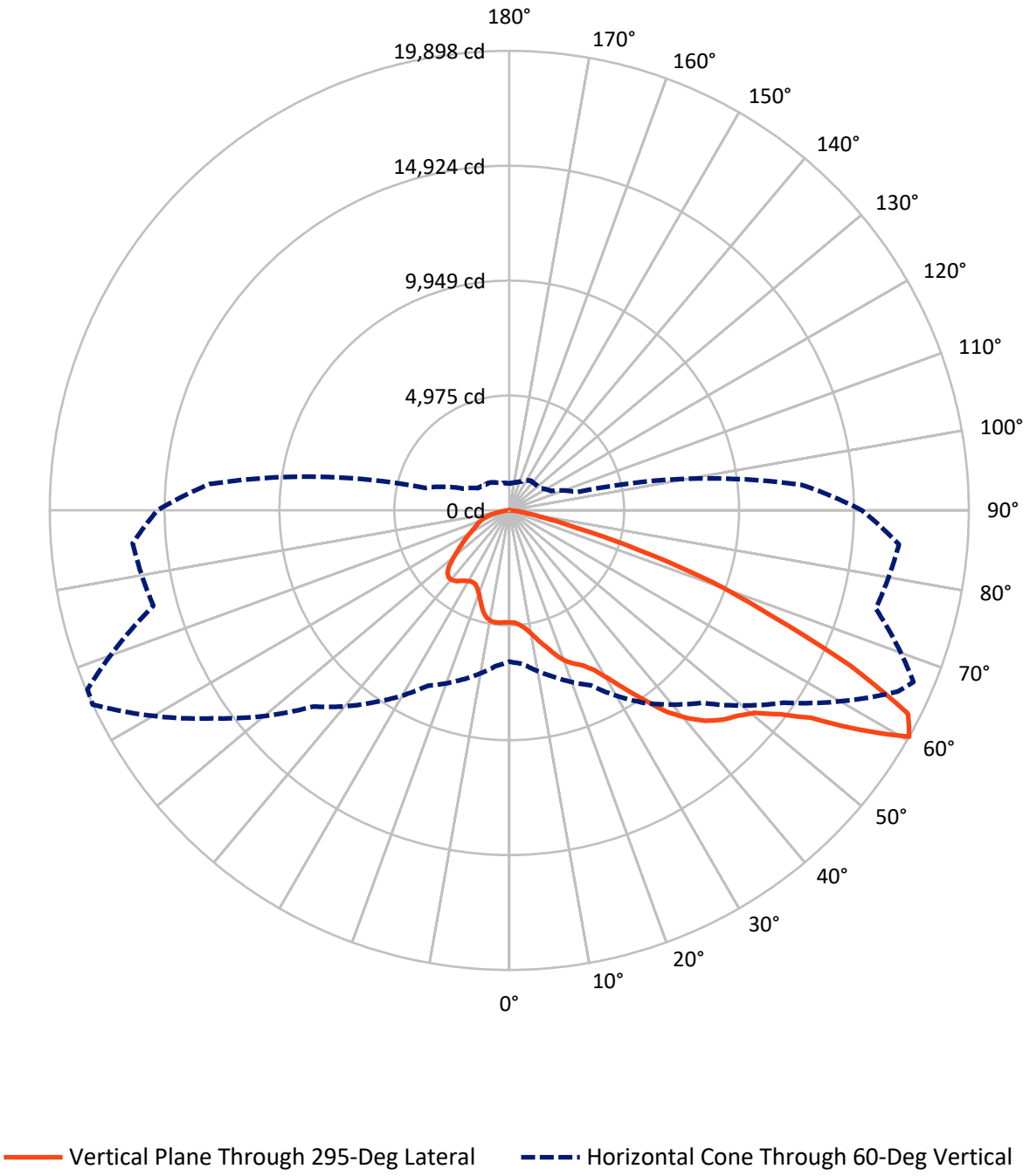
Based on 30 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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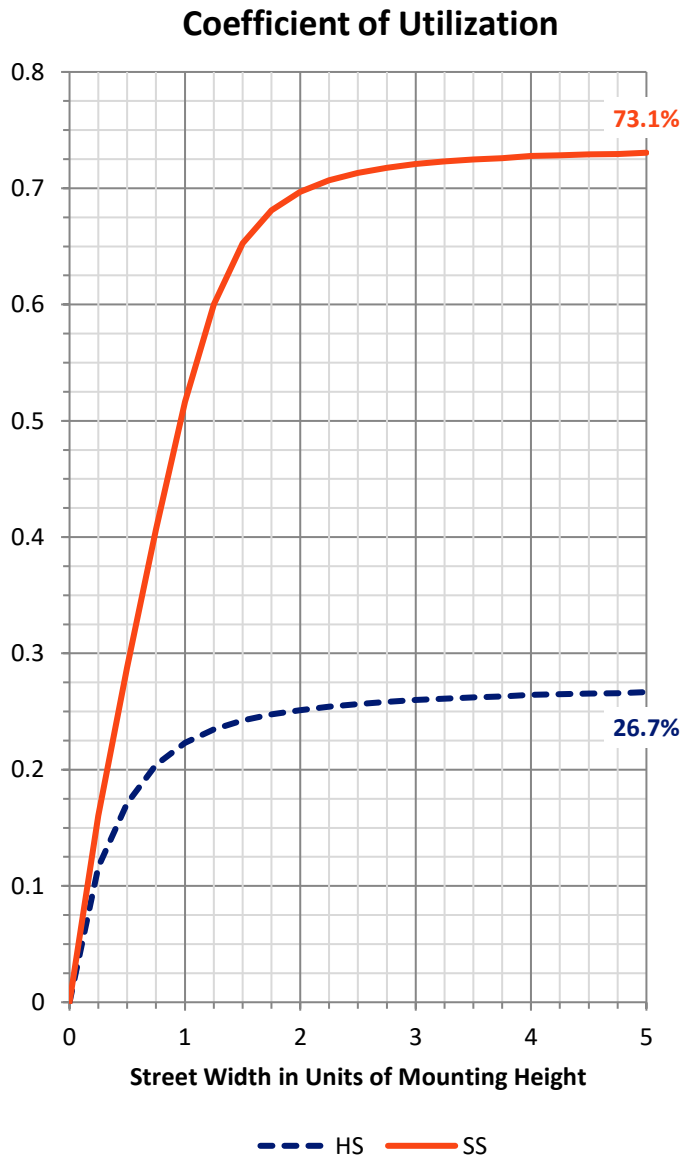
REPORT NUMBER: P1501456
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8110.3	0.0	8110.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	22049.4	0.0	22049.4
	% Fixture	73.1	0.0	73.1
Total	Lumens	30159.7	0.0	30159.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.3	1.5
10°-20°	1311.6	4.3
20°-30°	2484.4	8.2
30°-40°	4379.8	14.5
40°-50°	6477.2	21.5
50°-60°	7606.0	25.2
60°-70°	5510.9	18.3
70°-80°	1699.5	5.6
80°-90°	234.0	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°	30159.7	100.0
0°-180°	30159.7	100.0



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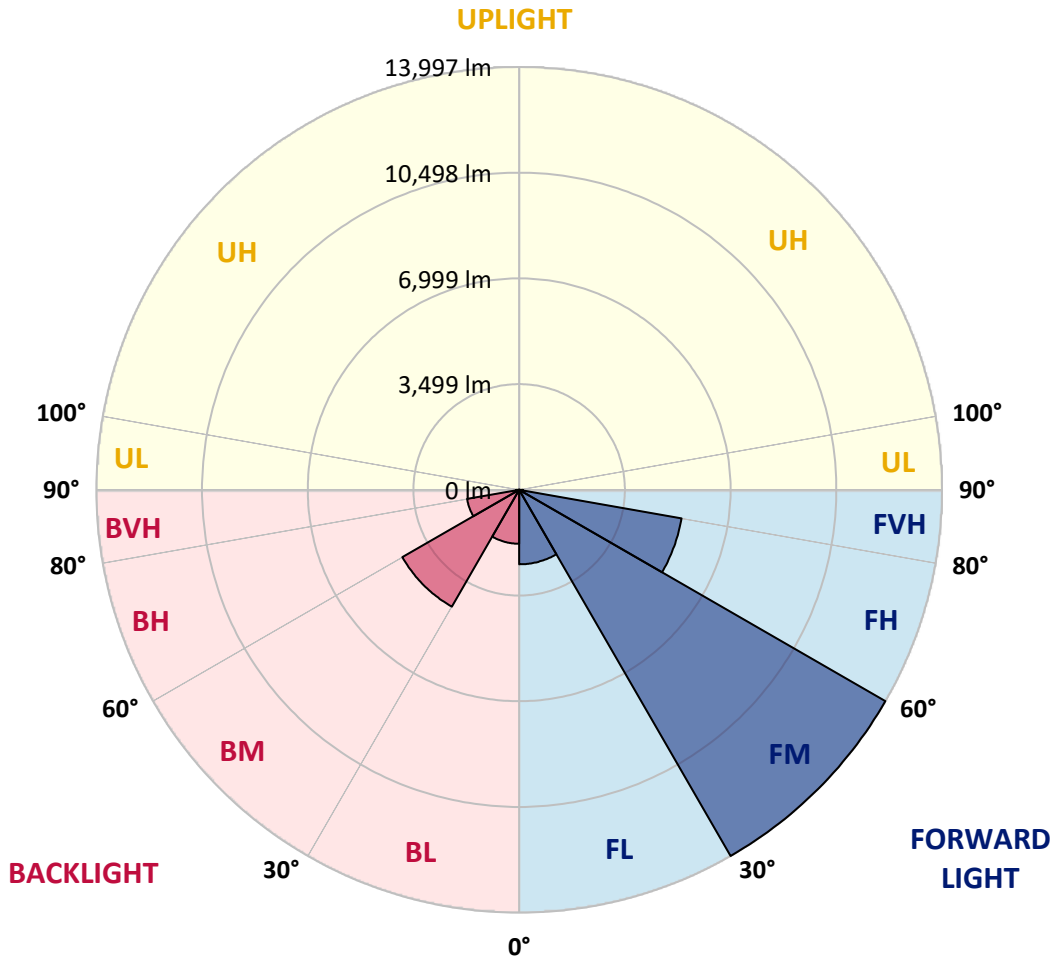
Scaled Data Report

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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°)	2466.0	8.2			
FM	(30°-60°)	13997.3	46.4			
FH	(60°-80°)	5459.8	18.1			G3/7500
FVH	(80°-90°)	126.2	0.4			G2/225
BL	(0°-30°)	1786.2	5.9	B3/2500		
BM	(30°-60°)	4465.8	14.8	B3/5000		
BH	(60°-80°)	1750.6	5.8	B3/2500		G3/2500
BVH	(80°-90°)	107.8	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6
2.5°	4948.8	4962.5	4941.9	4955.7	4955.7	4935.0	4928.2	4900.7	4914.4	4907.5	4900.7
5°	5065.6	5072.5	5058.8	5079.4	5079.4	5086.2	5079.4	5045.0	5045.0	5045.0	5031.3
7.5°	5031.3	5031.3	5038.1	5106.9	5175.6	5264.9	5264.9	5251.2	5264.9	5258.1	5196.2
10°	4742.6	4770.1	4831.9	5003.8	5168.7	5361.2	5491.8	5533.0	5533.0	5539.9	5436.8
12.5°	4227.1	4247.7	4392.0	4653.2	4996.9	5347.4	5663.6	5869.8	5890.4	5924.8	5787.3
15°	3766.6	3780.3	3883.4	4151.5	4543.3	5161.8	5759.8	6186.0	6254.7	6399.0	6192.8
17.5°	3807.8	3800.9	3828.4	3931.5	4213.3	4859.4	5739.2	6557.1	6680.8	6935.2	6756.5
20°	4055.2	4055.2	4075.9	4096.5	4199.6	4639.5	5588.0	6859.6	7100.1	7595.0	7388.8
22.5°	4447.0	4447.0	4440.2	4474.5	4474.5	4735.7	5594.9	7086.4	7443.8	8330.4	8131.1
25°	4990.0	4962.5	4962.5	4976.3	4914.4	5100.0	5766.7	7320.1	7787.5	9203.4	9031.5
27.5°	5601.7	5622.4	5608.6	5560.5	5478.0	5622.4	6179.1	7684.4	8172.4	10124.4	10055.6
30°	6268.5	6275.3	6289.1	6261.6	6192.8	6295.9	6825.2	8234.2	8681.0	11086.6	11237.8
32.5°	6921.4	7017.6	6983.3	6914.5	6942.0	7127.6	7622.5	8976.5	9437.0	11980.2	12516.3
35°	7753.1	7787.5	7924.9	7670.6	7677.5	7993.7	8639.7	9952.5	10399.3	12908.1	13794.7
37.5°	8962.8	9024.6	8962.8	8564.1	8502.3	8942.2	9629.5	10914.8	11237.8	13609.1	14983.8
40°	10151.9	10227.5	10330.6	9863.2	9471.4	9835.7	10564.3	11650.2	11987.0	13994.0	15774.2
42.5°	11134.7	11258.5	11148.5	11011.0	10653.6	10722.4	11217.2	12220.7	12557.5	14482.0	16571.5
45°	11966.4	11987.0	12035.2	11938.9	11760.2	11698.4	11774.0	12722.5	13093.6	14702.0	16963.3
47.5°	12310.1	12399.4	12440.7	12605.6	12791.2	12667.5	12248.2	12956.2	13293.0	14688.2	17087.0
50°	12124.5	12213.9	12433.8	12825.6	13272.3	13492.3	12805.0	13279.2	13657.3	14935.7	17341.3
52.5°	11636.5	11732.7	12090.1	12536.9	13286.1	13787.8	13588.5	13952.8	14317.1	15375.6	17767.5
55°	10454.3	10598.6	11100.4	11842.7	12873.7	13629.8	14413.3	14942.6	15341.2	15904.8	18207.4
57.5°	8736.0	8887.2	9450.8	10564.3	12110.8	12976.8	14653.9	16798.4	16977.1	16537.2	18248.6
60°	*6543.4*	*6667.1*	*7464.4*	*8357.9*	*10172.5*	*11780.8*	*14516.4*	*18557.9*	*19011.6*	*16427.2*	*16935.8*
62.5°	5182.5	5333.7	6041.6	6454.0	7753.1	9732.6	14035.3	19045.9	19437.7	15519.9	15107.5
65°	4048.4	4151.5	4811.3	5402.4	5718.6	6646.5	12028.3	16660.9	17011.4	14042.2	12468.2
67.5°	2673.7	2831.8	3615.4	4426.4	4591.4	4227.1	8275.5	12818.7	12983.7	11162.2	9375.2
70°	1917.7	1993.3	2577.5	3443.5	3691.0	2831.8	4508.9	9705.1	9753.2	7491.9	6316.6
72.5°	1305.9	1319.7	1752.7	2639.3	2941.8	2055.1	2481.3	6392.2	6227.2	3697.8	3615.4
75°	886.7	900.4	1120.3	1759.6	2082.6	1429.6	1615.2	3484.8	3347.3	2041.4	2192.6
77.5°	598.0	611.7	769.8	1182.2	1388.4	989.8	1182.2	1842.0	1807.7	1354.0	1175.3
80°	453.6	474.3	570.5	756.1	969.1	577.4	673.6	872.9	886.7	721.7	598.0
82.5°	254.3	281.8	343.7	384.9	625.5	323.0	323.0	522.4	501.8	446.8	323.0
85°	110.0	116.8	137.5	144.3	254.3	137.5	116.8	226.8	233.7	219.9	103.1
87.5°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	27.5	27.5	27.5	27.5
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°	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6
2.5°	4866.3	4907.5	4866.3	4845.7	4845.7	4811.3	4797.6	4797.6	4749.5	4770.1	4756.3
5°	4976.3	4990.0	4941.9	4880.0	4797.6	4728.8	4632.6	4508.9	4433.3	4426.4	4433.3
7.5°	5148.1	5155.0	5024.4	4886.9	4680.7	4433.3	4137.7	3897.2	3684.1	3649.7	3691.0
10°	5388.7	5374.9	5182.5	4859.4	4426.4	3904.0	3450.4	3230.5	3106.7	3099.9	3093.0
12.5°	5711.7	5622.4	5326.8	4742.6	3986.5	3381.7	3148.0	3134.2	3168.6	3196.1	3203.0
15°	6082.9	5966.0	5443.7	4515.8	3539.8	3189.2	3203.0	3319.8	3361.0	3388.5	3388.5
17.5°	6543.4	6392.2	5574.2	4192.7	3312.9	3230.5	3326.7	3436.7	3505.4	3532.9	3526.0
20°	7155.1	6838.9	5677.3	3883.4	3251.1	3299.2	3381.7	3491.6	3560.4	3594.7	3594.7
22.5°	7766.8	7375.1	5698.0	3670.3	3251.1	3306.1	3381.7	3491.6	3567.2	3601.6	3594.7
25°	8598.5	8062.4	5704.8	3519.1	3257.9	3271.7	3340.4	3436.7	3546.6	3581.0	3594.7
27.5°	9485.2	8818.4	5739.2	3484.8	3230.5	3223.6	3271.7	3361.0	3471.0	3560.4	3567.2
30°	10584.9	9670.7	5753.0	3519.1	3237.3	3148.0	3182.3	3271.7	3388.5	3477.9	3505.4
32.5°	11664.0	10461.2	5725.5	3594.7	3251.1	3099.9	3106.7	3161.7	3285.4	3347.3	3395.4
35°	12805.0	11299.7	5677.3	3697.8	3257.9	3079.2	3017.4	3044.9	3127.4	3134.2	3154.8
37.5°	13698.5	11925.2	5533.0	3835.3	3271.7	3003.6	2879.9	2859.3	2824.9	2756.2	2769.9
40°	14433.9	12344.5	5292.4	3904.0	3237.3	2914.3	2708.1	2611.9	2481.3	2378.2	2398.8
42.5°	14963.2	12626.3	5003.8	3917.8	3182.3	2763.1	2508.8	2343.8	2199.5	2089.5	2096.4
45°	15196.9	12598.8	4694.5	3814.7	3051.7	2577.5	2323.2	2165.1	2007.0	1890.2	1876.4
47.5°	15203.7	12330.7	4268.3	3567.2	2831.8	2364.4	2151.3	1979.5	1848.9	1766.4	1759.6
50°	15258.7	12179.5	3869.7	3209.8	2543.1	2137.6	2000.1	1828.3	1752.7	1635.8	1601.5
52.5°	15602.4	12426.9	3594.7	2818.1	2275.1	1972.6	1869.5	1718.3	1594.6	1519.0	1512.1
55°	16159.1	12853.1	3443.5	2522.5	2020.8	1814.6	1745.8	1615.2	1505.3	1429.6	1409.0
57.5°	16227.9	13073.0	3264.8	2247.6	1814.6	1690.8	1663.3	1519.0	1360.9	1305.9	1285.3
60°	*15265.6*	*12701.9*	*3044.9*	*1993.3*	*1663.3*	*1594.6*	*1580.9*	*1388.4*	*1257.8*	*1189.1*	*1161.6*
62.5°	13952.8	11774.0	2708.1	1759.6	1546.5	1498.4	1443.4	1292.2	1127.2	1051.6	1031.0
65°	11402.8	9897.6	2302.6	1601.5	1429.6	1374.7	1360.9	1154.7	1044.7	1003.5	996.6
67.5°	8639.7	7952.4	2027.6	1484.6	1305.9	1285.3	1237.2	1168.5	1120.3	1072.2	1058.5
70°	6110.4	5739.2	1725.2	1333.4	1182.2	1147.8	1347.2	1271.6	1099.7	1037.9	1031.0
72.5°	3704.7	3601.6	1491.5	1196.0	1017.2	1072.2	1244.1	1147.8	989.8	914.1	886.7
75°	2336.9	2137.6	1250.9	1017.2	811.0	872.9	1086.0	1024.1	852.3	776.7	756.1
77.5°	1271.6	1182.2	941.6	831.7	639.2	708.0	948.5	845.4	680.5	742.3	659.8
80°	556.7	618.6	625.5	481.1	426.1	522.4	680.5	659.8	522.4	529.2	439.9
82.5°	268.1	350.5	405.5	329.9	240.6	309.3	453.6	378.0	350.5	329.9	316.2
85°	82.5	130.6	178.7	158.1	110.0	130.6	213.1	206.2	247.4	213.1	199.3
87.5°	27.5	27.5	20.6	20.6	20.6	27.5	34.4	20.6	6.9	6.9	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°	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6
2.5°	4749.5	4756.3	4756.3	4763.2	4763.2	4783.8	4811.3	4838.8	4818.2	4845.7	4852.6
5°	4419.5	4453.9	4481.4	4584.5	4667.0	4735.7	4811.3	4880.0	4900.7	4914.4	4948.8
7.5°	3642.9	3739.1	3917.8	4151.5	4412.7	4667.0	4838.8	5017.5	5045.0	5079.4	5127.5
10°	3099.9	3141.1	3264.8	3505.4	3972.8	4474.5	4893.8	5175.6	5292.4	5361.2	5409.3
12.5°	3189.2	3161.7	3141.1	3175.5	3477.9	4124.0	4859.4	5402.4	5622.4	5698.0	5759.8
15°	3402.3	3374.8	3299.2	3203.0	3237.3	3752.8	4742.6	5615.5	5966.0	6089.7	6220.3
17.5°	3526.0	3498.5	3436.7	3333.6	3244.2	3443.5	4522.6	5807.9	6509.0	6660.2	6845.8
20°	3594.7	3567.2	3505.4	3402.3	3299.2	3326.7	4240.8	6048.5	7127.6	7368.2	7643.1
22.5°	3608.5	3574.1	3505.4	3402.3	3340.4	3319.8	3972.8	6192.8	7794.3	8165.5	8481.7
25°	3601.6	3539.8	3450.4	3374.8	3340.4	3333.6	3787.2	6275.3	8516.0	9107.1	9464.5
27.5°	3553.5	3477.9	3388.5	3333.6	3319.8	3361.0	3704.7	6371.6	9361.4	10117.5	10688.0
30°	3498.5	3388.5	3278.6	3257.9	3292.3	3422.9	3773.4	6405.9	10248.1	11217.2	11801.5
32.5°	3354.2	3271.7	3161.7	3154.8	3237.3	3471.0	3931.5	6357.8	11031.7	12317.0	13052.4
35°	3148.0	3099.9	3038.0	3058.6	3189.2	3512.3	4041.5	6206.6	11746.5	13341.1	14200.2
37.5°	2783.7	2818.1	2852.4	2900.5	3065.5	3505.4	4089.6	5966.0	12337.6	14159.0	15258.7
40°	2378.2	2495.0	2605.0	2728.7	2948.6	3450.4	4103.4	5670.5	12681.2	14777.6	16200.4
42.5°	2123.9	2233.8	2371.3	2550.0	2790.6	3326.7	4089.6	5340.6	12791.2	15203.7	16798.4
45°	1890.2	2020.8	2192.6	2378.2	2653.1	3148.0	3965.9	4983.1	12846.2	15403.1	17052.7
47.5°	1766.4	1842.0	2000.1	2185.7	2474.4	2928.0	3725.3	4722.0	12763.7	15444.3	17362.0
50°	1622.1	1725.2	1828.3	2007.0	2288.8	2653.1	3436.7	4570.7	12901.2	15849.8	17850.0
52.5°	1512.1	1567.1	1677.1	1842.0	2048.2	2398.8	3161.7	4447.0	13279.2	16262.2	18358.6
55°	1429.6	1491.5	1560.2	1697.7	1855.8	2144.5	2879.9	4261.4	13719.1	16702.1	18867.2
57.5°	1299.1	1340.3	1436.5	1580.9	1684.0	1897.0	2550.0	4041.5	13684.7	16358.5	17987.4
60°	*1182.2*	*1223.4*	*1326.5*	*1470.9*	*1532.7*	*1677.1*	*2226.9*	*3759.7*	*13024.9*	*15238.1*	*16365.3*
62.5°	1051.6	1099.7	1223.4	1326.5	1381.5	1491.5	1890.2	3244.2	11650.2	13554.2	14468.3
65°	996.6	1024.1	1106.6	1230.3	1223.4	1326.5	1594.6	2550.0	9375.2	10358.1	11189.7
67.5°	1058.5	1099.7	1086.0	1120.3	1099.7	1154.7	1429.6	2048.2	7368.2	7801.2	8282.3
70°	1044.7	1141.0	1189.1	1120.3	962.3	1024.1	1237.2	1635.8	5271.8	5230.6	5210.0
72.5°	914.1	1010.4	1147.8	1216.6	941.6	852.3	1072.2	1415.9	3381.7	3367.9	3044.9
75°	776.7	845.4	1010.4	1099.7	811.0	687.3	921.0	1202.8	2020.8	2048.2	1828.3
77.5°	714.8	680.5	845.4	969.1	659.8	529.2	742.3	907.3	1113.5	1127.2	1044.7
80°	515.5	494.9	632.3	708.0	501.8	378.0	419.3	563.6	598.0	536.1	556.7
82.5°	329.9	336.8	378.0	453.6	309.3	206.2	288.7	378.0	323.0	261.2	309.3
85°	213.1	240.6	199.3	233.7	96.2	96.2	123.7	165.0	110.0	75.6	82.5
87.5°	0.0	0.0	13.7	27.5	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: P1501456
CATALOG NUMBER: GSS-SB3D-750-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4852.6	4852.6	*4852.6*	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6	4852.6
2.5°	4873.2	4866.3	*4866.3*	4880.0	4914.4	4928.2	4948.8	4941.9	4962.5	4948.8
5°	4969.4	4976.3	*4996.9*	5003.8	5024.4	5051.9	5058.8	5051.9	5065.6	5065.6
7.5°	5161.8	5189.3	*5175.6*	5210.0	5182.5	5148.1	5093.1	5051.9	5017.5	5031.3
10°	5484.9	5471.1	*5464.3*	5402.4	5278.7	5100.0	4955.7	4797.6	4770.1	4742.6
12.5°	5842.3	5828.6	*5828.6*	5615.5	5264.9	4893.8	4563.9	4316.4	4234.0	4227.1
15°	6344.1	6254.7	*6172.2*	5725.5	5024.4	4392.0	4007.1	3814.7	3766.6	3766.6
17.5°	6969.5	6735.8	*6598.4*	5643.0	4632.6	4062.1	3835.3	3787.2	3773.4	3807.8
20°	7746.2	7155.1	*6955.8*	5457.4	4488.3	4103.4	3993.4	4000.3	4007.1	4055.2
22.5°	8598.5	7540.0	*7210.1*	5457.4	4632.6	4364.5	4309.6	4385.2	4405.8	4447.0
25°	9547.0	7883.7	*7436.9*	5746.1	5058.8	4859.4	4790.7	4866.3	4921.3	4990.0
27.5°	10612.4	8241.1	*7828.7*	6268.5	5608.6	5484.9	5409.3	5443.7	5519.3	5601.7
30°	11567.8	8839.1	*8426.7*	7065.8	6357.8	6206.6	6076.0	6131.0	6213.5	6268.5
32.5°	12413.2	9567.6	*9217.1*	7904.3	7217.0	6955.8	6811.4	6797.7	6962.7	6921.4
35°	13189.9	10426.8	*10090.0*	8859.7	8089.9	7766.8	7574.4	7821.8	7711.8	7753.1
37.5°	13801.6	11320.3	*11052.3*	9773.8	8997.2	8557.3	8440.4	8742.8	8914.7	8962.8
40°	14303.3	12097.0	*11815.2*	10681.1	9828.8	9505.8	9691.4	10193.1	10172.5	10151.9
42.5°	14688.2	12763.7	*12454.4*	11368.4	10626.1	10688.0	10832.3	11169.1	11251.6	11134.7
45°	14860.1	13183.0	*12935.6*	11911.4	11533.4	11890.8	11952.7	12097.0	12042.0	11966.4
47.5°	15059.4	13554.2	*13293.0*	12406.3	12516.3	12866.8	12743.1	12626.3	12426.9	12310.1
50°	15396.2	13994.0	*13774.1*	13128.0	13526.7	13409.8	12928.7	12667.5	12262.0	12124.5
52.5°	16035.4	14825.7	*14660.8*	14269.0	14000.9	13327.3	12743.1	12275.7	11822.1	11636.5
55°	16605.9	15952.9	*15856.7*	15334.3	13856.6	12894.3	12110.8	11389.1	10612.4	10454.3
57.5°	16935.8	17822.5	*17932.4*	15788.0	13196.7	11911.4	10756.7	9602.0	8866.6	8736.0
60°	*15952.9*	*19843.2*	*19898.2*	*15698.6*	*12007.7*	*10138.1*	*8378.6*	*7560.6*	*6770.2*	*6543.4*
62.5°	14598.9	19424.0	*19375.8*	15162.5	9560.8	7395.7	6364.7	5979.8	5368.0	5182.5
65°	12550.6	16179.8	*16234.7*	13100.5	6357.8	5347.4	5347.4	4859.4	4179.0	4048.4
67.5°	10227.5	12475.0	*12351.3*	8495.4	3904.0	4282.1	4488.3	3787.2	2831.8	2673.7
70°	6646.5	9526.4	*9354.6*	4900.7	2453.8	3567.2	3532.9	2845.5	2027.6	1917.7
72.5°	2859.3	5505.5	*5856.1*	2501.9	1848.9	2873.0	2818.1	1993.3	1354.0	1305.9
75°	1725.2	2769.9	*3017.4*	1594.6	1347.2	2165.1	1952.0	1264.7	921.0	886.7
77.5°	1092.9	1519.0	*1505.3*	1196.0	1010.4	1464.0	1312.8	872.9	625.5	598.0
80°	632.3	749.2	*776.7*	749.2	680.5	1044.7	838.5	632.3	488.0	453.6
82.5°	405.5	467.4	*474.3*	364.3	378.0	673.6	453.6	371.2	281.8	254.3
85°	178.7	199.3	*192.5*	123.7	123.7	274.9	158.1	151.2	110.0	110.0
87.5°	6.9	13.7	*6.9*	6.9	6.9	27.5	13.7	20.6	20.6	20.6
90°	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-6

Test Date: 10/10/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

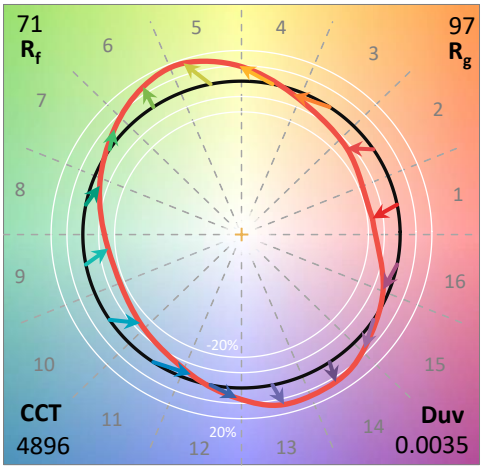
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

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

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



Test Conditions

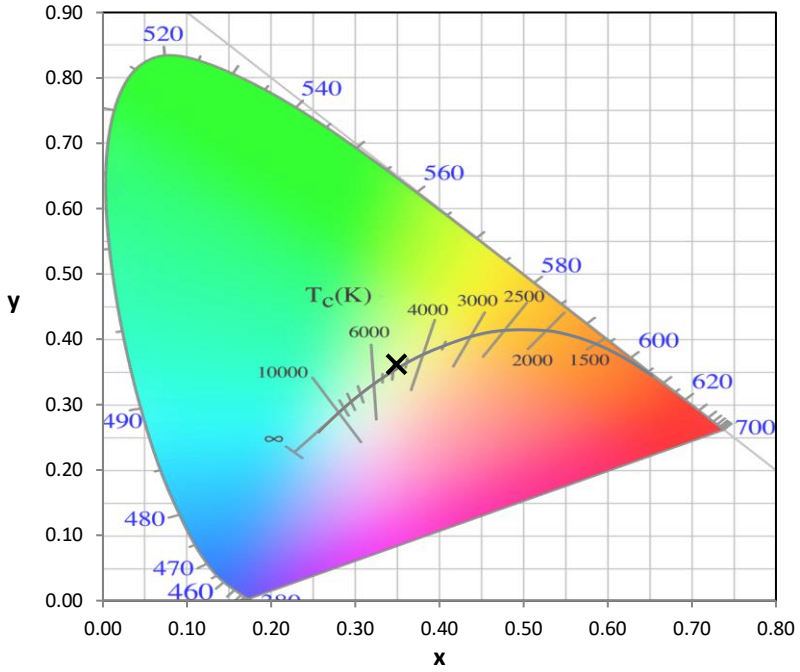
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

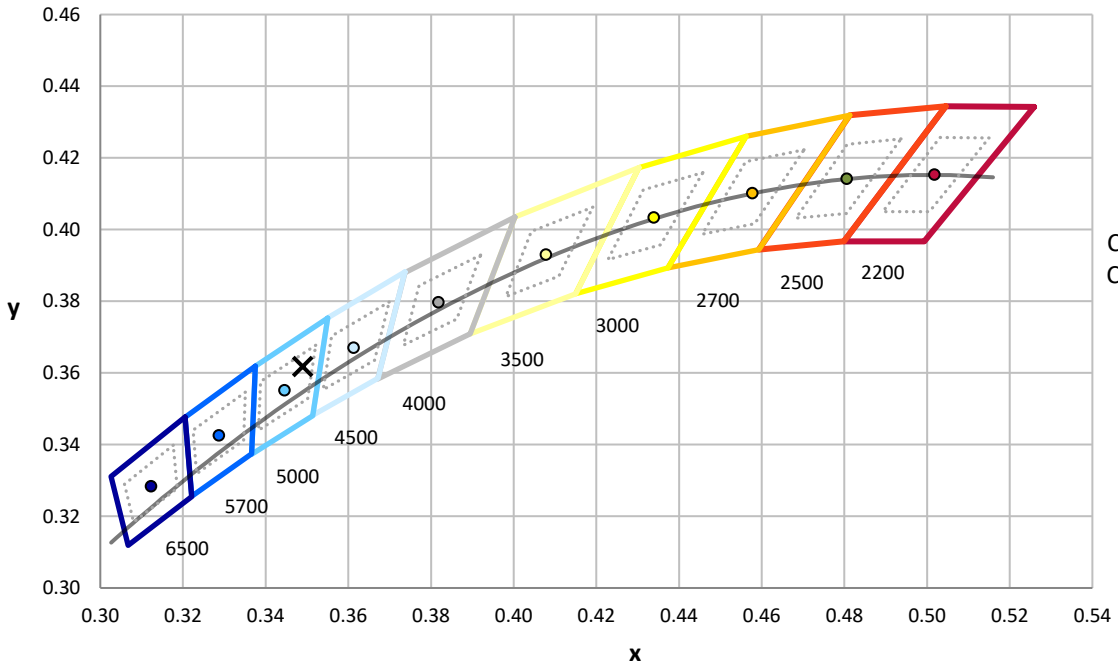
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

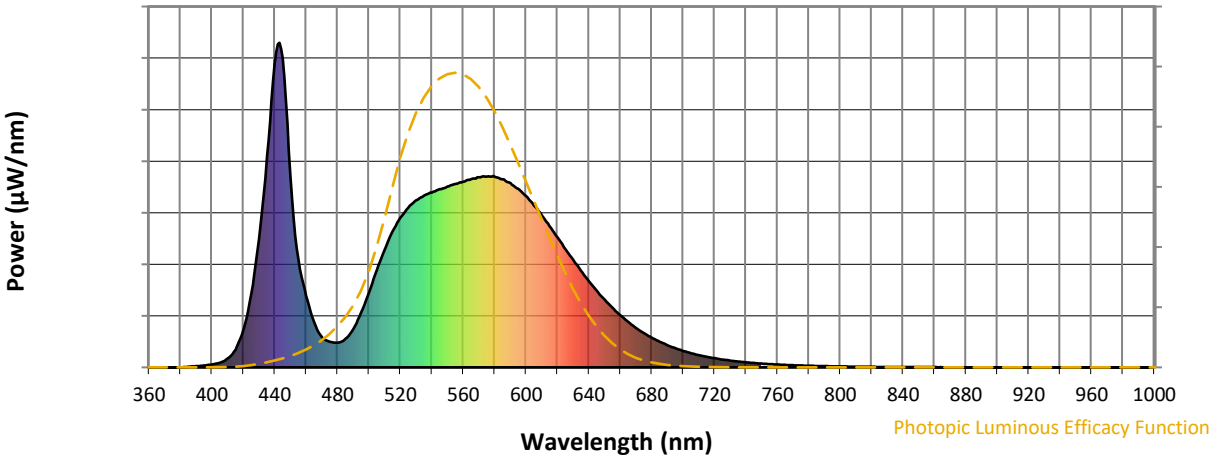


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

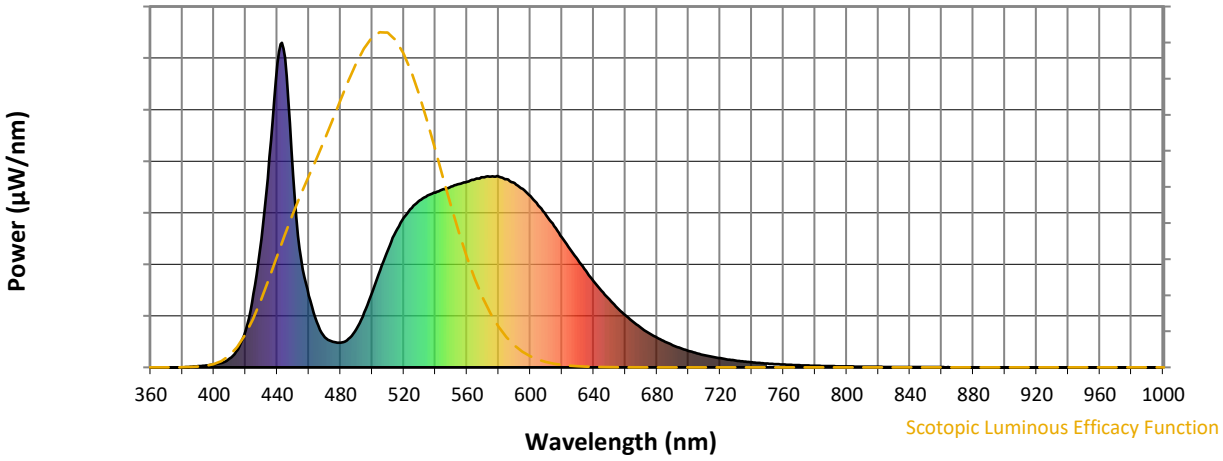


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

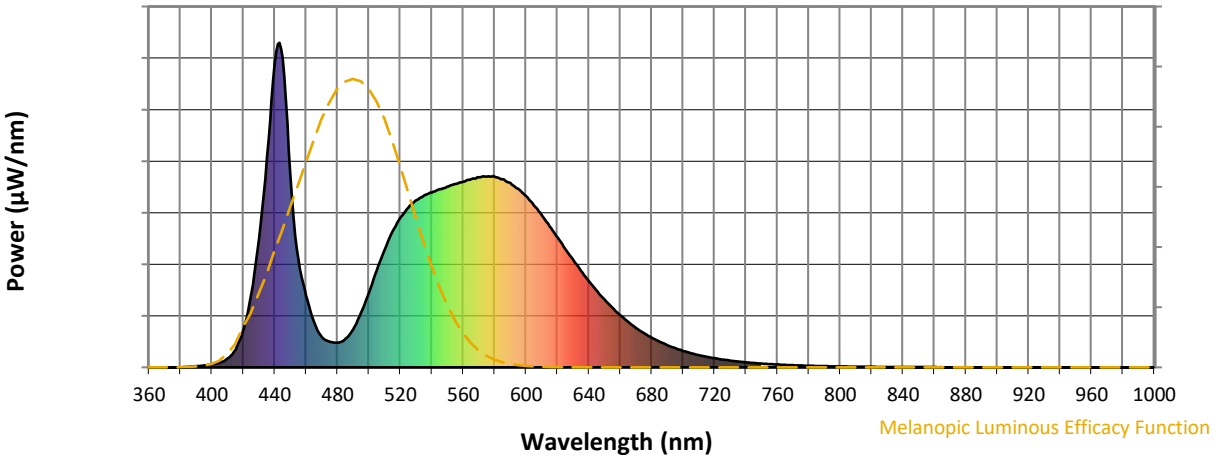


Scotopic Lumens: NR **S/P: 1.7**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

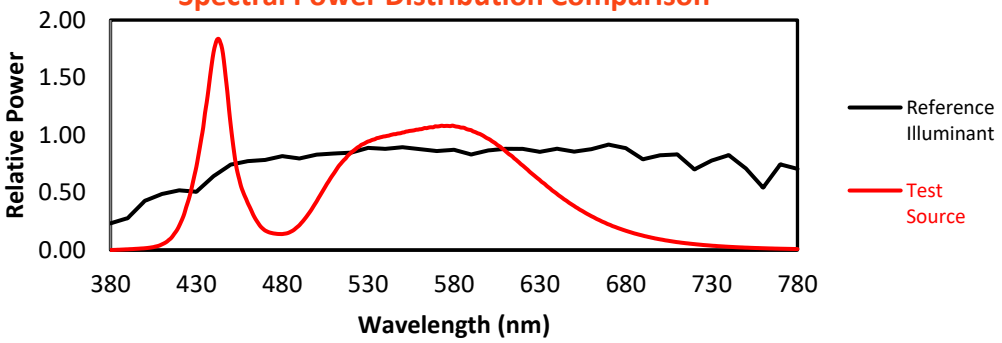
REPORT NUMBER: SP1-2407-184-6

TM-30-18

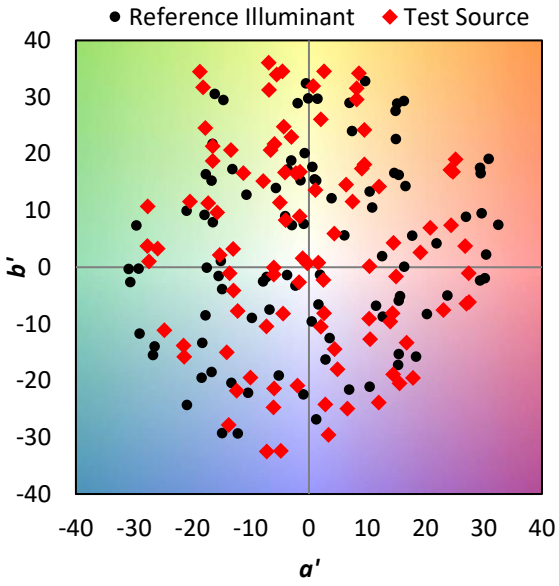
Summary

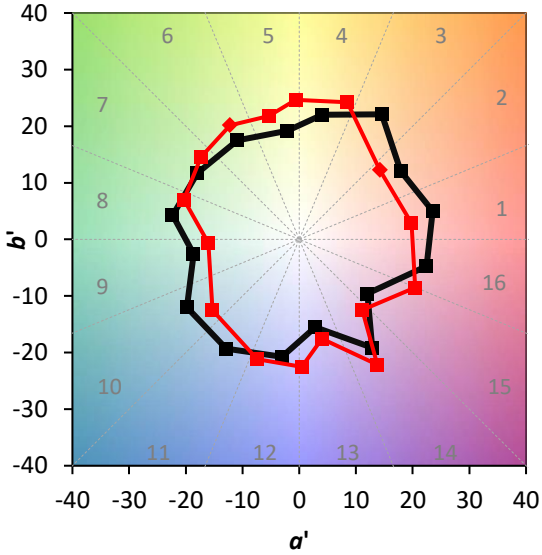
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

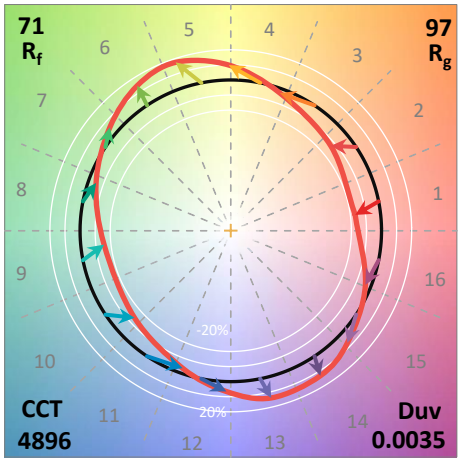
Spectral Power Distribution Comparison

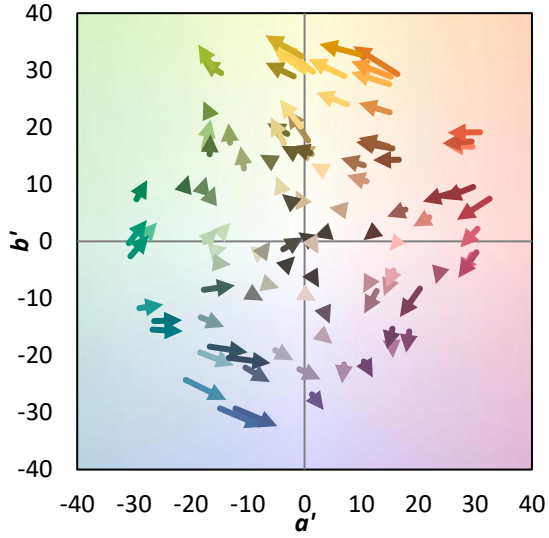


Color Vector Graphics







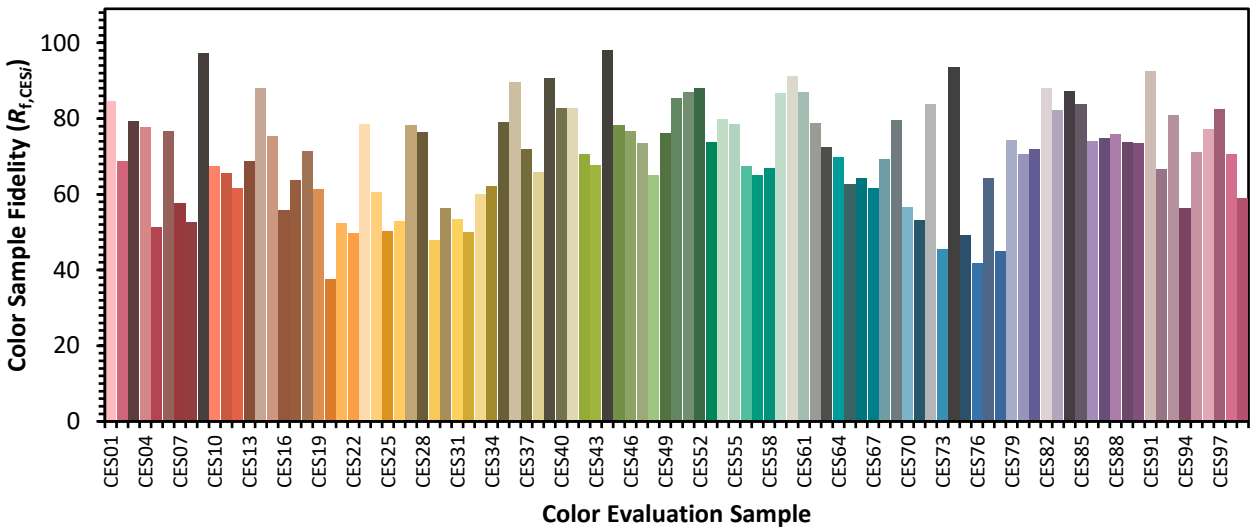


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Individual Sample Fidelity Index ($R_{f,i}$)

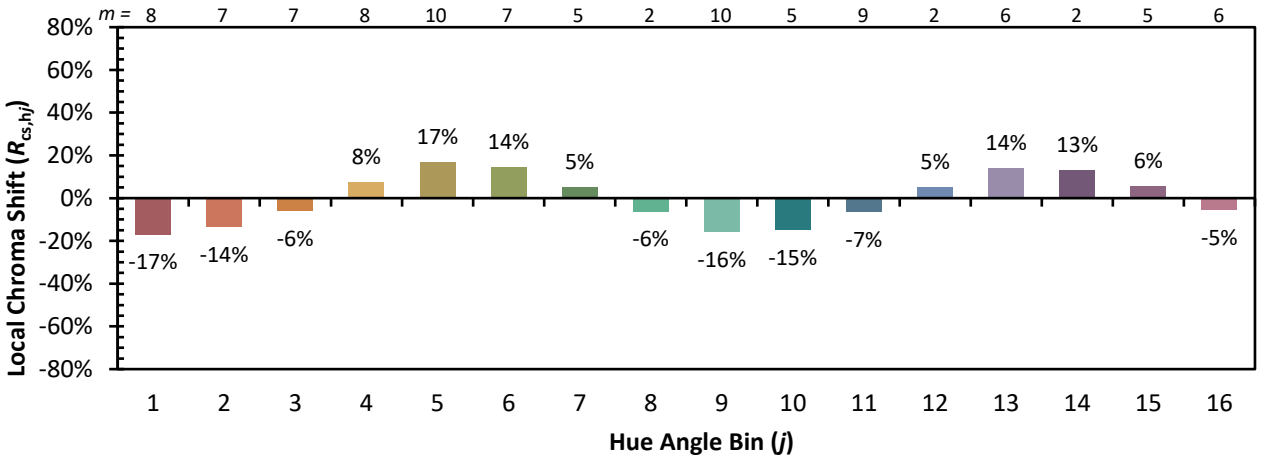
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82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

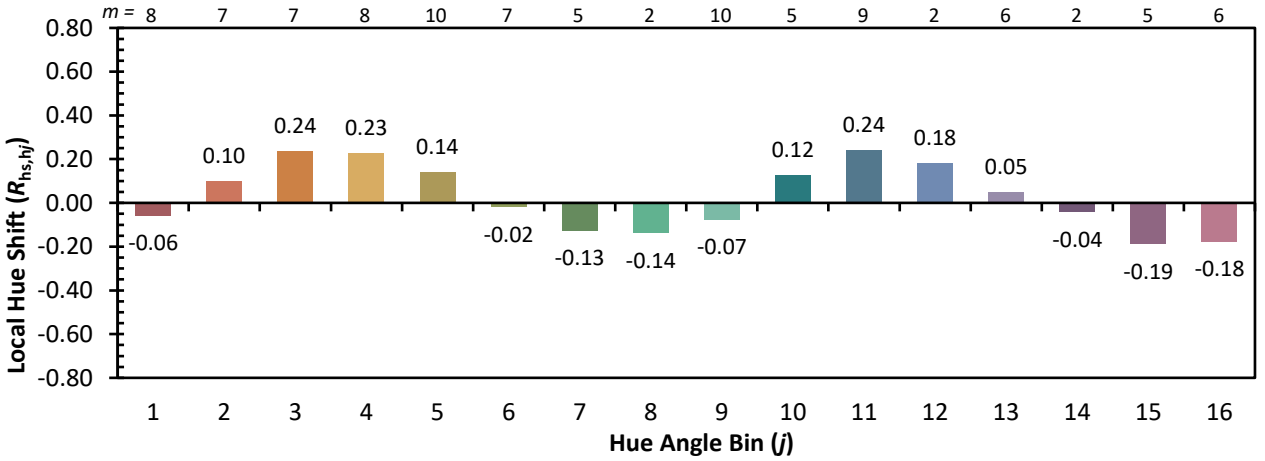


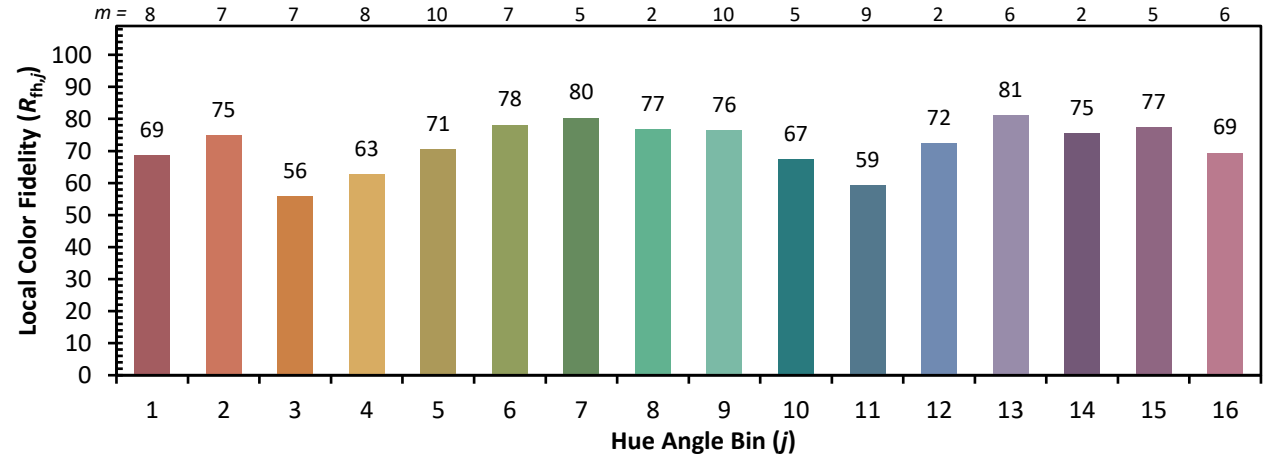
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Color Rendition by Hue-Angle Bin



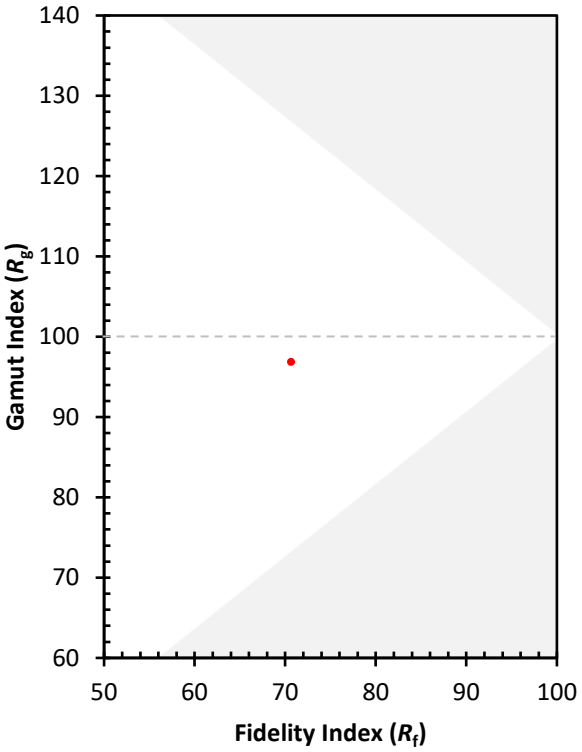


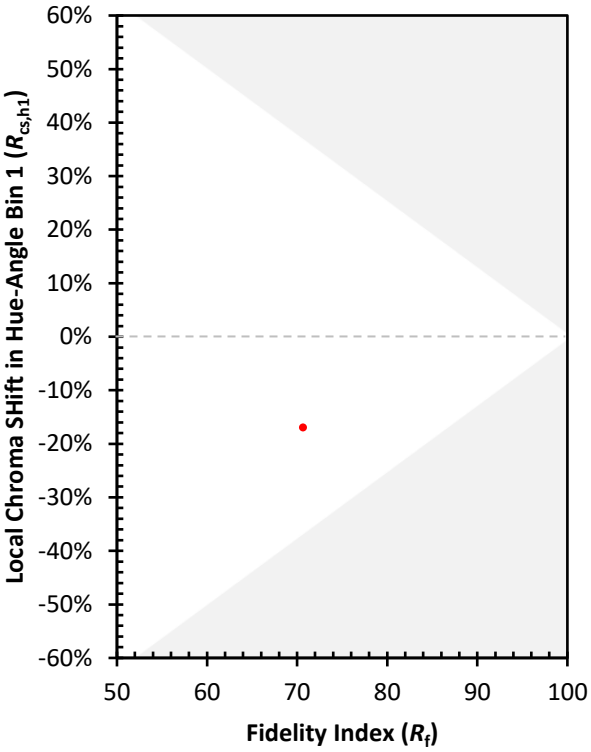


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Measure Comparisons





(END OF REPORT)