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: P1501871

Luminaire Tested: GSS-SB5C-760-U-T2LG-HSS

Issue Date: 07/20/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501871
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-760-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 70CRI 5700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 5700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	31018.5 lumens
Efficiency:	N/A
Efficacy:	123.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

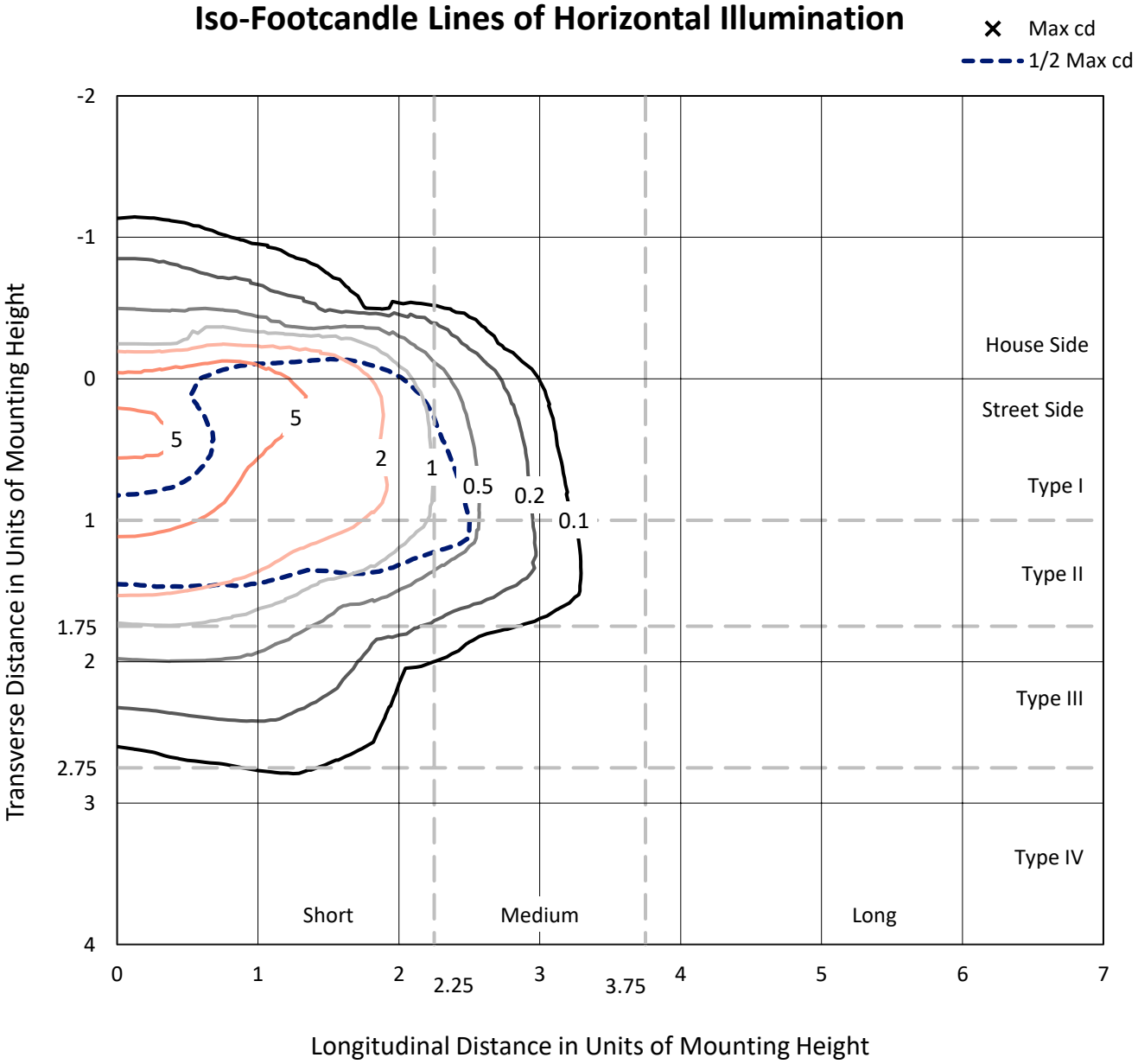
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



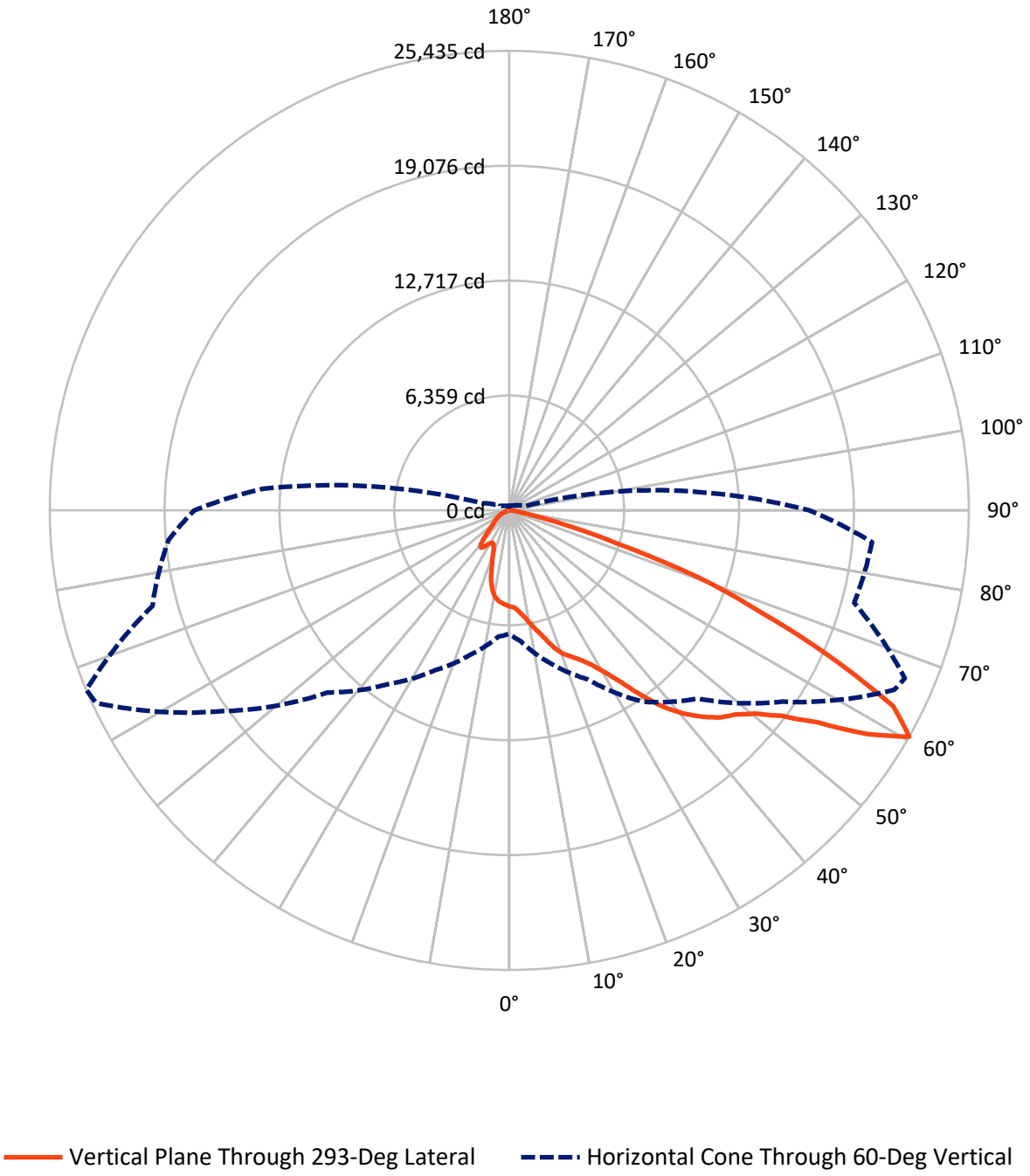
Based on 30 foot mounting height. Maximum calculated value = 9.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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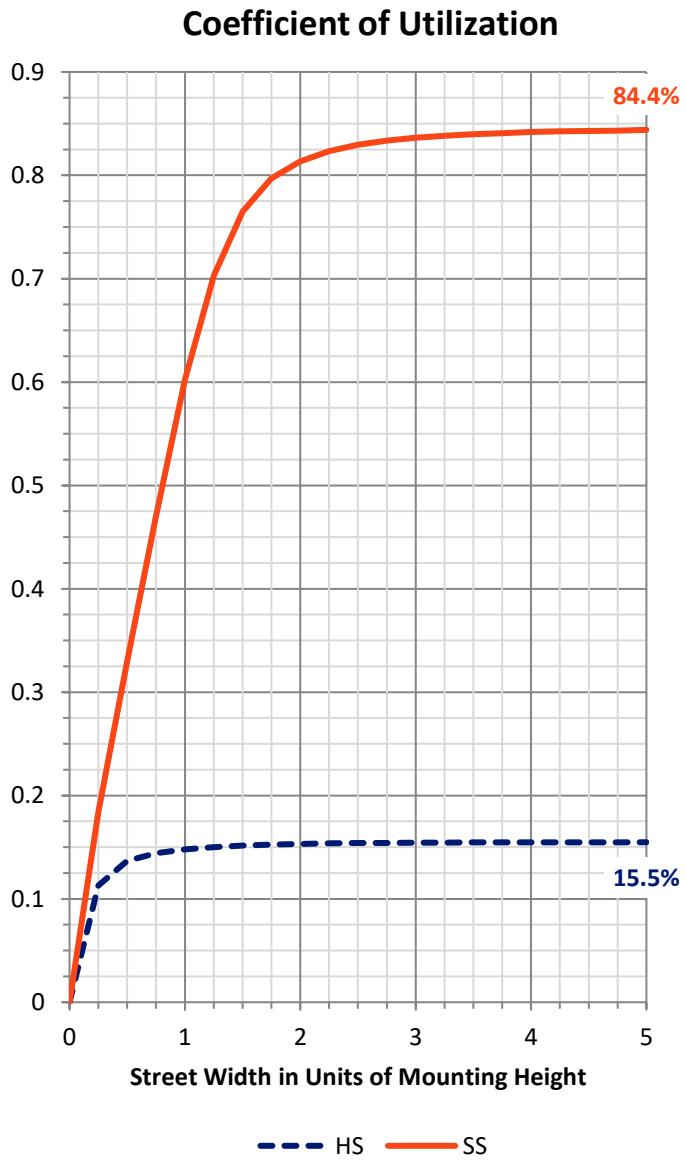
REPORT NUMBER: P1501871
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4839.6	0.0	4839.6
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	26178.9	0.0	26178.9
	% Fixture	84.4	0.0	84.4
Total	Lumens	31018.5	0.0	31018.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.3	1.6
10°-20°	1212.4	3.9
20°-30°	2263.3	7.3
30°-40°	4488.3	14.5
40°-50°	7155.9	23.1
50°-60°	8549.6	27.6
60°-70°	5604.7	18.1
70°-80°	1174.2	3.8
80°-90°	88.8	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°	31018.5	100.0
0°-180°	31018.5	100.0



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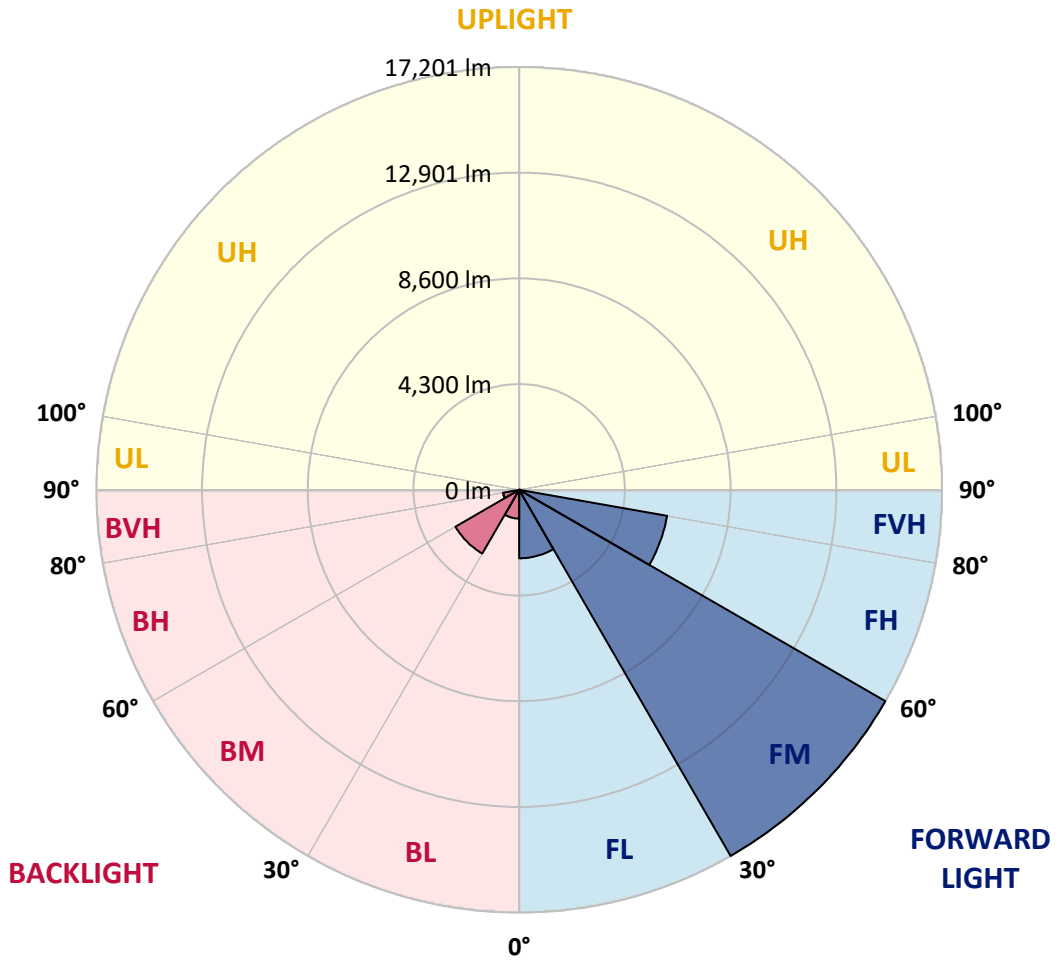
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2786.1	9.0			
FM	(30°-60°)	17200.9	55.5			
FH	(60°-80°)	6110.5	19.7			G3/7500
FVH	(80°-90°)	81.4	0.3			G1/100
BL	(0°-30°)	1170.9	3.8	B3/2500		
BM	(30°-60°)	2992.8	9.6	B3/5000		
BH	(60°-80°)	668.5	2.2	B2/1000		G2/1000
BVH	(80°-90°)	7.4	0.0			G0/10
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°	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3
2.5°	5585.5	5568.2	5542.1	5550.8	5542.1	5507.4	5455.2	5411.8	5446.6	5394.4	5359.7
5°	5750.6	5750.6	5733.2	5733.2	5741.9	5724.5	5689.8	5629.0	5637.7	5594.2	5481.3
7.5°	5750.6	5724.5	5768.0	5811.4	5889.6	5933.0	5950.4	5915.6	5933.0	5846.1	5698.5
10°	5411.8	5394.4	5507.4	5672.4	5898.3	6098.1	6228.4	6237.0	6263.1	6176.2	6002.5
12.5°	4690.8	4656.1	4881.9	5194.6	5655.0	6115.4	6480.3	6619.3	6680.1	6645.3	6402.1
15°	4021.9	4065.4	4221.7	4560.5	5177.3	5880.9	6619.3	7079.7	7166.5	7210.0	6923.3
17.5°	3952.4	3961.1	4013.3	4178.3	4647.4	5498.7	6636.6	7557.4	7679.0	7870.1	7479.2
20°	4143.6	4126.2	4178.3	4230.4	4456.3	5159.9	6471.6	8017.8	8252.4	8660.6	8235.0
22.5°	4499.7	4499.7	4525.8	4560.5	4673.4	5133.8	6402.1	8443.5	8843.1	9677.0	9181.8
25°	5099.1	5029.6	5047.0	5003.5	5099.1	5446.6	6558.5	8782.3	9329.5	10806.3	10311.1
27.5°	6028.6	6054.6	5898.3	5663.7	5715.8	6011.2	6940.7	9164.5	9833.3	11979.0	11457.8
30°	7314.2	7270.8	7175.2	6714.8	6506.3	6766.9	7644.3	9789.9	10510.9	13464.4	12986.6
32.5°	8321.9	8443.5	8278.4	7957.0	7635.6	7713.8	8634.6	10797.6	11336.1	14828.2	14567.6
35°	9538.0	9538.0	9572.7	9121.0	8903.9	8886.5	9876.8	11892.1	12430.7	16061.7	16244.1
37.5°	11179.8	11066.9	10875.7	10371.9	10206.9	10424.0	11040.8	13021.4	13603.4	17060.7	17547.1
40°	12561.0	12639.1	12613.1	11883.4	11562.0	11796.5	12343.8	13985.6	14437.3	17703.5	18598.2
42.5°	13916.1	13959.5	13846.6	13499.1	13030.0	13047.4	13499.1	14715.3	15175.7	18320.2	19588.5
45°	14932.4	14923.7	14845.6	14758.7	14480.7	14194.1	14272.2	15523.1	15922.7	18520.0	20127.1
47.5°	15253.8	15323.3	15392.8	15636.1	15827.2	15375.5	14975.9	15957.5	16322.3	18485.3	20326.9
50°	14958.5	15106.2	15444.9	15809.8	16461.3	16426.5	15566.6	16426.5	16782.7	18676.4	20561.4
52.5°	14298.3	14446.0	14897.7	15557.9	16539.5	17025.9	16661.1	17217.0	17634.0	19162.9	21047.9
55°	12760.8	12821.6	13751.0	14619.7	16148.6	16765.3	17833.8	18554.8	18902.3	19753.5	21690.7
57.5°	10389.3	10537.0	11449.1	12865.0	15054.0	16079.1	18502.7	20839.4	20830.7	20318.2	21829.7
60°	*6836.4*	*7270.8*	*8756.2*	*10319.8*	*12934.5*	*14732.6*	*18459.2*	*23514.9*	*23784.2*	*19762.2*	*20153.1*
62.5°	5220.7	5403.1	6245.7	7548.7	9572.7	12213.5	18172.6	24314.1	24522.5	18268.1	17642.7
65°	3926.4	4152.2	4960.1	6124.1	6758.3	8278.4	16296.2	21134.7	21421.4	16304.9	13716.3
67.5°	2406.2	2588.6	3665.8	5029.6	5116.5	5142.5	10997.4	16009.6	16113.8	13151.7	9234.0
70°	1607.0	1789.5	2536.5	3865.6	4074.1	2962.2	6037.3	12117.9	12109.3	8999.4	5611.6
72.5°	929.5	1016.3	1607.0	2849.2	3205.4	1885.0	3014.3	7705.1	7366.3	4230.4	2623.4
75°	529.9	590.7	886.0	1832.9	2249.9	1198.8	1190.1	4126.2	3648.4	2180.4	1433.3
77.5°	321.4	347.5	486.5	1198.8	1355.1	807.9	660.2	1919.8	1850.3	1276.9	755.7
80°	156.4	182.4	295.3	703.6	868.7	434.3	399.6	755.7	807.9	703.6	399.6
82.5°	52.1	69.5	165.0	269.3	564.6	173.7	165.0	417.0	443.0	417.0	191.1
85°	26.1	34.7	78.2	86.9	217.2	86.9	60.8	182.4	225.9	139.0	78.2
87.5°	0.0	8.7	8.7	8.7	8.7	8.7	8.7	17.4	17.4	17.4	17.4
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°	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3
2.5°	5333.6	5316.3	5281.5	5220.7	5212.0	5168.6	5099.1	5055.7	5020.9	5047.0	5055.7
5°	5429.2	5385.8	5281.5	5116.5	4942.7	4769.0	4603.9	4412.8	4282.5	4265.2	4230.4
7.5°	5602.9	5516.1	5290.2	4968.8	4525.8	4108.8	3622.4	3153.3	2918.7	2884.0	2805.8
10°	5880.9	5733.2	5359.7	4708.2	3856.9	2988.2	2249.9	1746.0	1459.4	1407.2	1424.6
12.5°	6211.0	6002.5	5368.4	4265.2	2936.1	1850.3	1276.9	1085.8	1025.0	999.0	999.0
15°	6636.6	6332.6	5359.7	3691.8	1980.6	1190.1	1025.0	946.9	920.8	903.4	903.4
17.5°	7175.2	6775.6	5298.9	2831.9	1337.8	1033.7	938.2	877.4	842.6	833.9	833.9
20°	7809.3	7270.8	5159.9	2110.9	1120.6	964.2	886.0	807.9	781.8	764.4	764.4
22.5°	8617.2	7870.1	4890.6	1641.8	1059.8	920.8	833.9	747.1	721.0	703.6	703.6
25°	9555.4	8634.6	4534.5	1476.7	1051.1	886.0	781.8	694.9	668.9	660.2	651.5
27.5°	10667.3	9451.1	4204.4	1485.4	1068.5	860.0	729.7	651.5	625.4	599.4	608.1
30°	11979.0	10293.7	3935.1	1589.7	1085.8	833.9	694.9	625.4	599.4	564.6	564.6
32.5°	13273.3	11284.0	3909.0	1780.8	1146.6	816.5	660.2	590.7	564.6	538.6	538.6
35°	14602.3	12187.4	4056.7	2032.7	1268.3	790.5	616.8	555.9	529.9	512.5	503.8
37.5°	15870.6	12908.4	4195.7	2189.0	1198.8	677.6	564.6	512.5	486.5	451.7	451.7
40°	16713.2	13299.3	4221.7	2067.4	990.3	608.1	512.5	460.4	425.6	408.3	399.6
42.5°	17330.0	13551.2	3926.4	1676.5	860.0	555.9	469.1	417.0	390.9	373.5	373.5
45°	17581.9	13464.4	3422.6	1276.9	790.5	512.5	425.6	382.2	364.8	347.5	347.5
47.5°	17547.1	13064.8	2910.0	1025.0	721.0	469.1	399.6	364.8	347.5	330.1	321.4
50°	17486.3	12691.3	2388.8	912.1	642.8	443.0	373.5	347.5	321.4	304.0	295.3
52.5°	17885.9	12569.7	1980.6	833.9	599.4	425.6	364.8	330.1	304.0	286.7	286.7
55°	18285.5	12621.8	1554.9	781.8	555.9	417.0	356.2	321.4	295.3	269.3	269.3
57.5°	18259.4	12395.9	1181.4	729.7	521.2	408.3	347.5	312.7	269.3	251.9	251.9
60°	*16600.3*	*11058.2*	*920.8*	*668.9*	*477.8*	*382.2*	*321.4*	*295.3*	*251.9*	*225.9*	*225.9*
62.5°	14037.7	8695.4	755.7	590.7	425.6	347.5	295.3	269.3	225.9	182.4	182.4
65°	10371.9	6271.8	608.1	512.5	390.9	304.0	269.3	234.5	182.4	147.7	139.0
67.5°	7018.9	3856.9	486.5	425.6	347.5	260.6	225.9	199.8	165.0	121.6	112.9
70°	4160.9	2050.1	356.2	295.3	260.6	191.1	191.1	173.7	139.0	104.2	95.6
72.5°	1980.6	712.3	260.6	217.2	199.8	139.0	147.7	147.7	112.9	78.2	69.5
75°	1007.7	347.5	173.7	156.4	130.3	104.2	121.6	112.9	78.2	52.1	52.1
77.5°	573.3	243.2	121.6	104.2	86.9	69.5	78.2	69.5	43.4	26.1	26.1
80°	321.4	173.7	78.2	69.5	52.1	43.4	43.4	34.7	26.1	8.7	8.7
82.5°	121.6	104.2	52.1	34.7	26.1	26.1	17.4	17.4	8.7	0.0	0.0
85°	52.1	26.1	26.1	17.4	17.4	8.7	8.7	8.7	0.0	0.0	0.0
87.5°	8.7	8.7	8.7	8.7	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°	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3
2.5°	4986.2	5003.5	5020.9	5090.4	5107.8	5159.9	5203.3	5255.5	5264.1	5333.6	5333.6
5°	4299.9	4291.2	4438.9	4656.1	4795.1	4986.2	5133.8	5290.2	5377.1	5490.0	5542.1
7.5°	2849.2	3066.4	3396.5	3778.7	4273.9	4734.3	5081.7	5385.8	5594.2	5724.5	5776.7
10°	1415.9	1537.5	1885.0	2510.5	3353.1	4291.2	5029.6	5594.2	5933.0	6080.7	6176.2
12.5°	999.0	1025.0	1085.8	1424.6	2232.5	3561.5	4864.6	5820.1	6289.2	6567.1	6688.8
15°	894.7	912.1	938.2	1033.7	1381.2	2658.1	4569.2	6072.0	6845.1	7166.5	7322.9
17.5°	825.2	833.9	860.0	938.2	1085.8	1806.8	4091.4	6341.3	7514.0	7904.9	8200.2
20°	764.4	764.4	790.5	886.0	1007.7	1389.9	3405.2	6645.3	8365.3	8929.9	9225.3
22.5°	694.9	712.3	729.7	833.9	981.6	1268.3	2762.4	6879.9	9312.1	9998.4	10345.9
25°	642.8	660.2	677.6	781.8	955.5	1268.3	2388.8	7027.5	10371.9	11188.5	11666.2
27.5°	599.4	616.8	642.8	747.1	929.5	1320.4	2241.2	7071.0	11527.2	12587.0	13229.8
30°	564.6	582.0	608.1	721.0	946.9	1381.2	2293.3	7010.2	12700.0	14029.0	14793.4
32.5°	529.9	547.3	573.3	694.9	946.9	1459.4	2467.0	6888.6	13837.9	15471.0	16409.2
35°	503.8	512.5	521.2	625.4	860.0	1450.7	2684.2	6766.9	14984.6	16895.6	17990.2
37.5°	451.7	460.4	477.8	538.6	686.2	1320.4	2727.6	6619.3	15888.0	18094.4	19301.8
40°	399.6	417.0	434.3	495.1	573.3	1068.5	2536.5	6306.5	16365.7	19015.2	20483.2
42.5°	364.8	373.5	390.9	451.7	529.9	851.3	2128.2	5759.3	16791.4	19640.6	21343.2
45°	338.8	347.5	364.8	408.3	495.1	738.4	1676.5	5090.4	16826.1	19840.4	21760.2
47.5°	312.7	321.4	330.1	373.5	477.8	660.2	1285.6	4482.3	16817.4	20101.0	22116.3
50°	295.3	304.0	321.4	356.2	451.7	590.7	1059.8	3987.2	17182.3	20665.7	22837.3
52.5°	286.7	286.7	312.7	347.5	425.6	538.6	886.0	3544.2	17373.4	21221.6	23358.5
55°	269.3	278.0	295.3	330.1	399.6	512.5	755.7	2988.2	17460.3	21499.6	23454.1
57.5°	251.9	260.6	286.7	312.7	382.2	486.5	651.5	2232.5	16218.1	20048.9	21855.7
60°	*225.9*	*243.2*	*278.0*	*304.0*	*356.2*	*443.0*	*573.3*	*1511.5*	*13681.5*	*17425.5*	*18937.0*
62.5°	182.4	217.2	251.9	269.3	321.4	373.5	486.5	1007.7	10927.9	14419.9	16139.9
65°	139.0	182.4	208.5	234.5	269.3	312.7	408.3	686.2	7288.1	9703.0	11640.2
67.5°	121.6	156.4	173.7	191.1	225.9	269.3	330.1	477.8	4421.5	5828.8	7739.8
70°	95.6	130.3	147.7	139.0	173.7	208.5	234.5	321.4	2258.5	3162.0	4404.2
72.5°	69.5	104.2	112.9	112.9	104.2	147.7	173.7	225.9	981.6	1537.5	1997.9
75°	52.1	69.5	78.2	69.5	60.8	95.6	121.6	147.7	642.8	920.8	1164.0
77.5°	26.1	26.1	43.4	43.4	26.1	52.1	60.8	86.9	364.8	538.6	668.9
80°	8.7	0.0	0.0	8.7	0.0	17.4	26.1	43.4	191.1	286.7	417.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	95.6	86.9	217.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	52.1
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: P1501871
CATALOG NUMBER: GSS-SB5C-760-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3	5316.3
2.5°	5377.1	5377.1	5411.8	5463.9	5490.0	5507.4	5516.1	5533.4	5602.9	5585.5
5°	5602.9	5620.3	5646.4	5698.5	5759.3	5741.9	5741.9	5741.9	5785.3	5750.6
7.5°	5898.3	5950.4	5959.1	6019.9	5976.4	5889.6	5837.5	5759.3	5750.6	5750.6
10°	6376.0	6358.7	6358.7	6280.5	6124.1	5872.2	5646.4	5490.0	5403.1	5411.8
12.5°	6888.6	6819.1	6827.7	6541.1	6098.1	5542.1	5081.7	4742.9	4716.9	4690.8
15°	7522.7	7340.3	7305.5	6645.3	5707.2	4855.9	4404.2	4134.9	4048.0	4021.9
17.5°	8426.1	7965.7	7800.7	6462.9	5194.6	4430.2	4091.4	3969.8	3961.1	3952.4
20°	9381.6	8469.5	8156.8	6193.6	5020.9	4438.9	4187.0	4152.2	4134.9	4143.6
22.5°	10493.5	8790.9	8391.3	6237.0	5177.3	4725.6	4525.8	4499.7	4482.3	4499.7
25°	11640.2	9164.5	8669.3	6584.5	5646.4	5255.5	5020.9	4968.8	5020.9	5099.1
27.5°	12795.5	9668.3	9216.6	7270.8	6402.1	5976.4	5750.6	5941.7	6019.9	6028.6
30°	13820.5	10371.9	9955.0	8235.0	7262.1	6836.4	6879.9	7123.1	7218.6	7314.2
32.5°	14758.7	11310.1	10988.7	9329.5	8374.0	8122.1	8096.0	8278.4	8382.7	8321.9
35°	15705.5	12534.9	12222.2	10519.6	9737.8	9529.3	9312.1	9668.3	9633.5	9538.0
37.5°	16600.3	13768.4	13481.8	11796.5	10988.7	10623.8	10589.1	10910.5	11197.2	11179.8
40°	17243.1	14767.4	14419.9	13064.8	12300.4	11987.6	12170.1	12726.0	12656.5	12561.0
42.5°	17833.8	15618.7	15306.0	14176.7	13377.5	13516.5	13681.5	14055.1	14011.6	13916.1
45°	18111.8	16348.4	16079.1	15019.3	14628.4	15071.4	15062.7	15201.7	14967.2	14932.4
47.5°	18502.7	16869.6	16591.6	15775.0	16122.5	16304.9	15792.4	15644.7	15427.6	15253.8
50°	19223.7	17677.4	17399.5	16921.7	17217.0	16652.4	16027.0	15705.5	15262.5	14958.5
52.5°	20066.3	18902.3	18659.0	18467.9	17642.7	16478.7	15679.5	15097.5	14558.9	14298.3
55°	21126.0	20709.1	20535.4	19484.3	17260.5	15766.4	14828.2	13742.4	13004.0	12760.8
57.5°	21473.5	23358.5	23297.7	19649.3	16192.0	14472.0	12778.1	11310.1	10545.7	10389.3
60°	20448.5	25434.6	25217.5	19371.3	14254.9	11744.4	9763.8	8261.0	7018.9	6836.4
62.5°	19136.8	23845.0	23766.8	17972.8	10858.4	8417.4	7296.8	5889.6	5359.7	5220.7
65°	16391.8	19510.3	19545.1	14419.9	6871.2	6045.9	5993.8	4682.1	4030.6	3926.4
67.5°	12621.8	14967.2	14724.0	9068.9	4004.6	4838.5	4786.4	3422.6	2475.7	2406.2
70°	7375.0	11145.0	10754.1	4716.9	2649.4	4039.3	3683.2	2406.2	1685.2	1607.0
72.5°	3257.5	6132.8	6584.5	2076.1	1867.6	3214.1	2658.1	1476.7	946.9	929.5
75°	1806.8	3040.3	3179.3	903.4	1311.7	2284.6	1607.0	825.2	538.6	529.9
77.5°	1085.8	1346.4	1311.7	582.0	981.6	1459.4	972.9	469.1	338.8	321.4
80°	608.1	616.8	521.2	425.6	582.0	816.5	547.3	295.3	156.4	156.4
82.5°	373.5	338.8	269.3	130.3	156.4	495.1	199.8	165.0	52.1	52.1
85°	156.4	104.2	69.5	26.1	60.8	130.3	69.5	78.2	26.1	26.1
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: SP1-2407-184-7

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-757-U-5WQ

Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

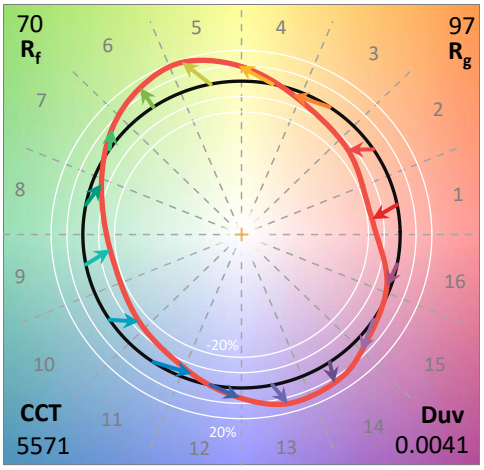
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-7
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-757-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5700K CCT 26 LEDS

Spectral Parameters

CCT (K):	5571
CIE u':	0.2033
CIE v':	0.4806
Duv:	0.0041
CIE x:	0.3308
CIE y:	0.3476
CIE z:	0.3216
Peak Wavelength (nm):	442
Dominant Wavelength (nm):	544
Purity:	3.635698
Rf:	70.4
Rg:	97.1

CRI (Ra):	69.9
R1:	68.8
R2:	72.5
R3:	76.8
R4:	72.0
R5:	70.9
R6:	65.6
R7:	75.5
R8:	56.8
R9:	-35.4
R10:	36.7
R11:	73.9
R12:	47.8
R13:	68.0
R14:	87.0
R15:	59.8



Test Conditions

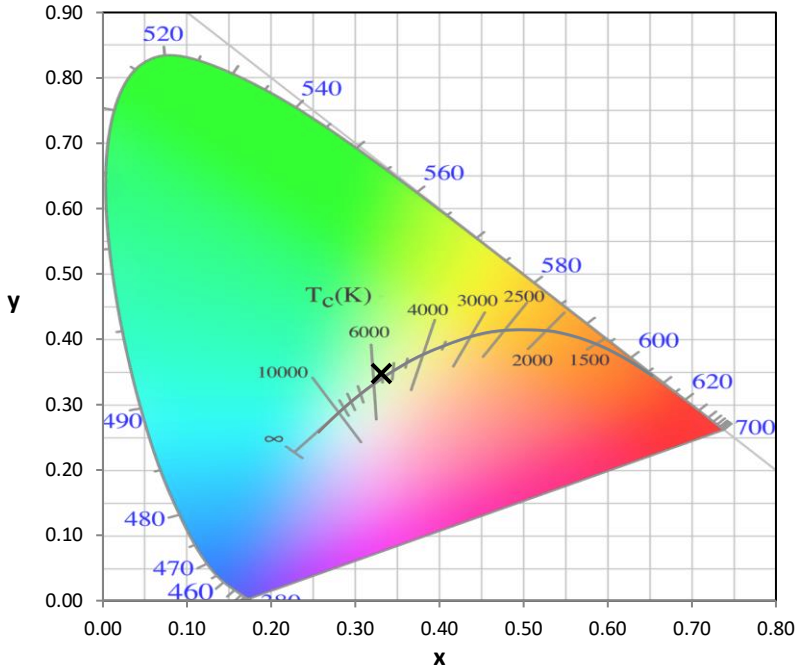
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-7

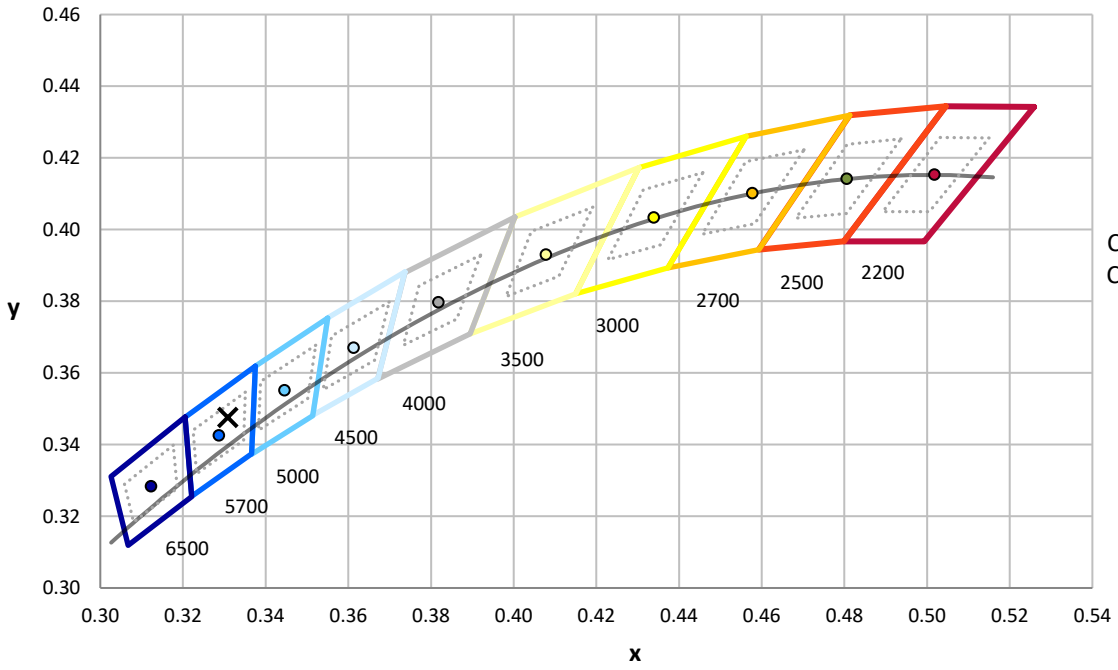
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-7

CIE 1931 Chromaticity Diagram



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

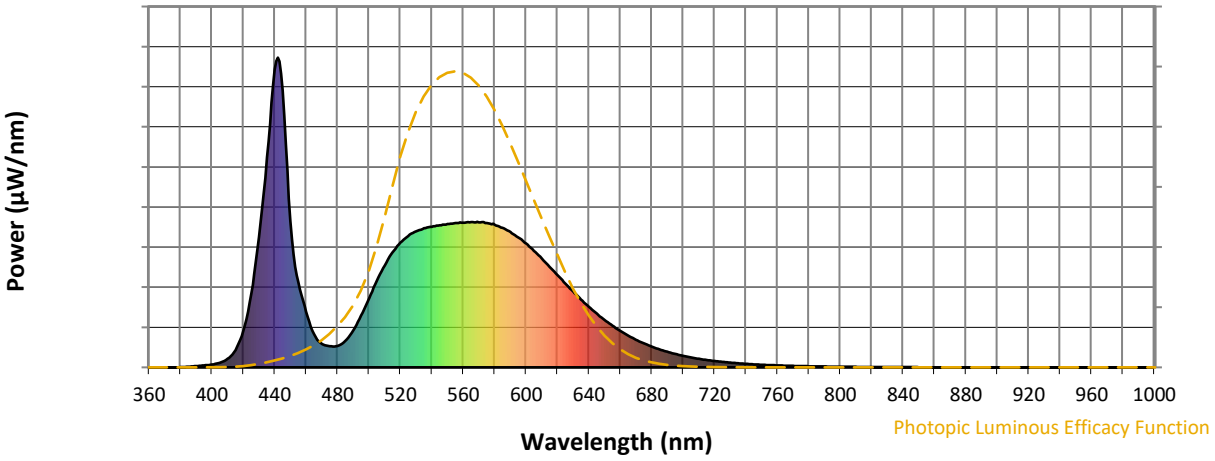


CCT = 5571K
CIE x = 0.3308
CIE y = 0.3476
Duv = 0.0041

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

Photopic Flux vs. Wavelength

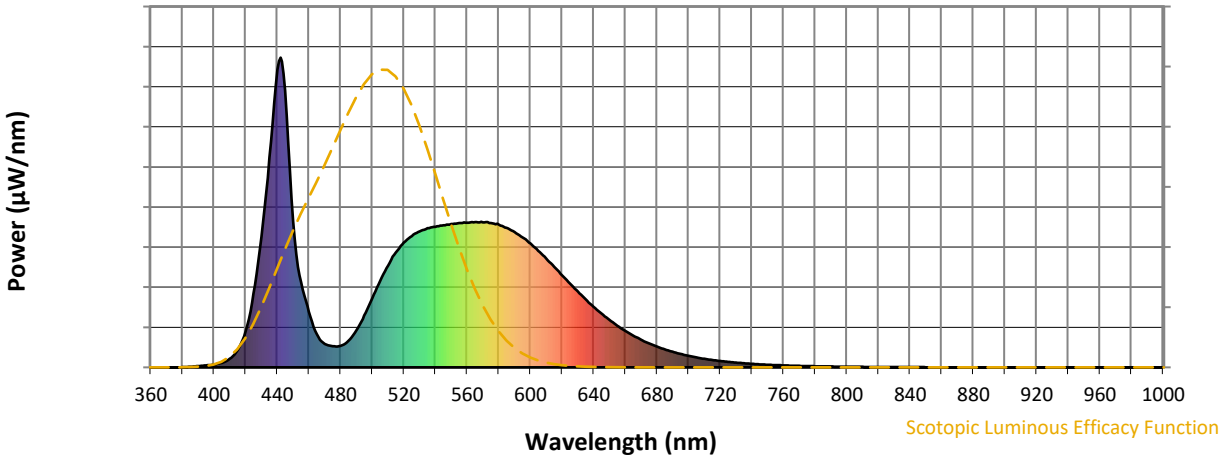


Photopic Lumens: NR

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

Scotopic Flux vs. Wavelength

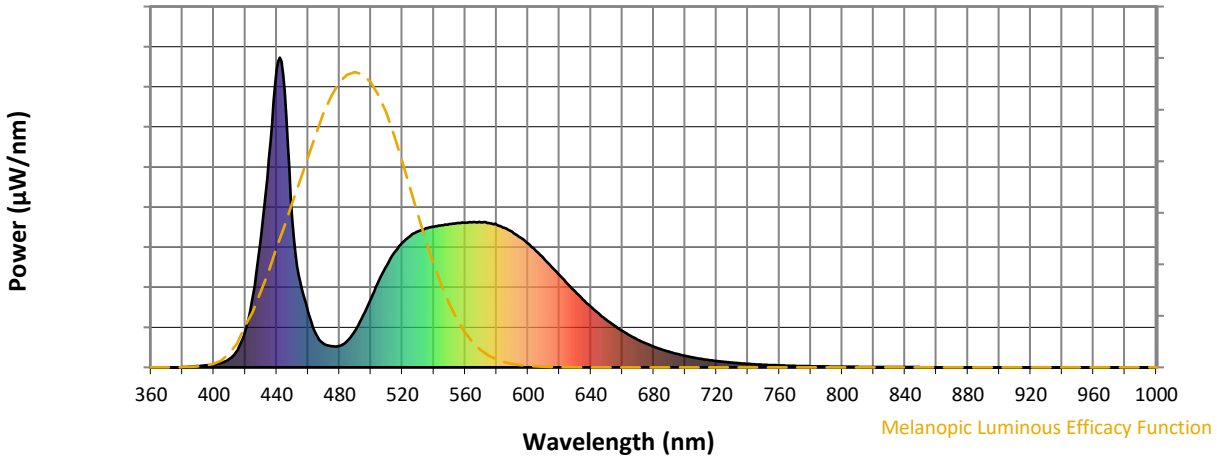


Scotopic Lumens: NR **S/P: 1.84**

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.71**

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

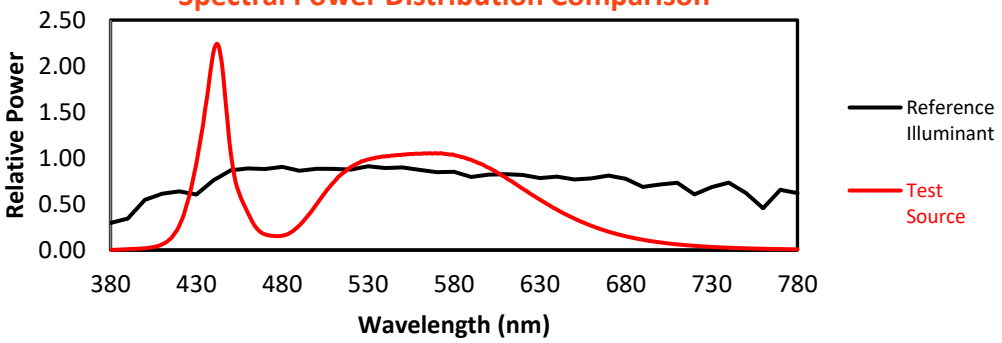
REPORT NUMBER: SP1-2407-184-7

TM-30-18

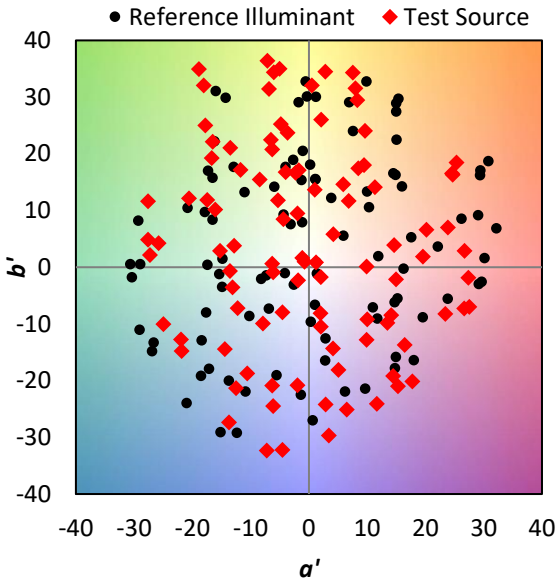
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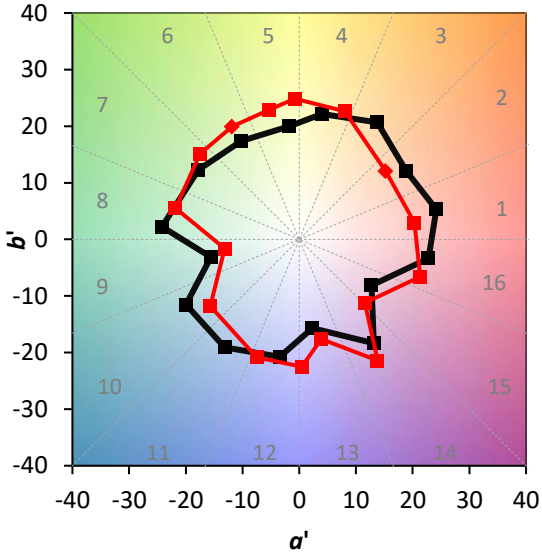
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R_g = 97.1
CIE R_a = 69.9
R_9 = -35.4

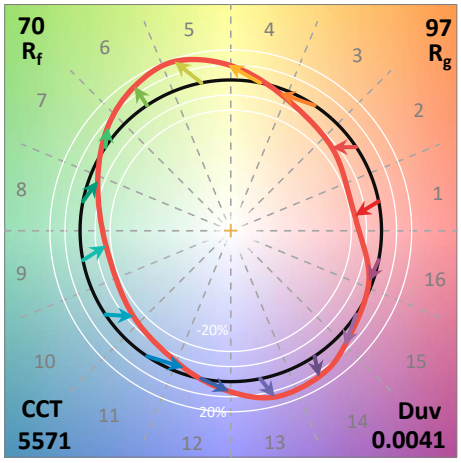
Spectral Power Distribution Comparison

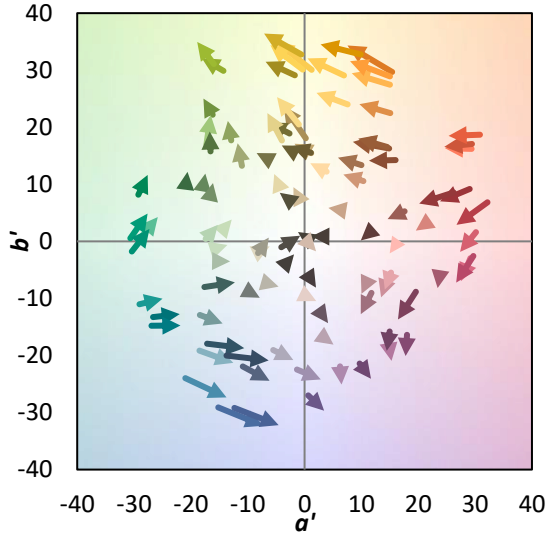


Color Vector Graphics







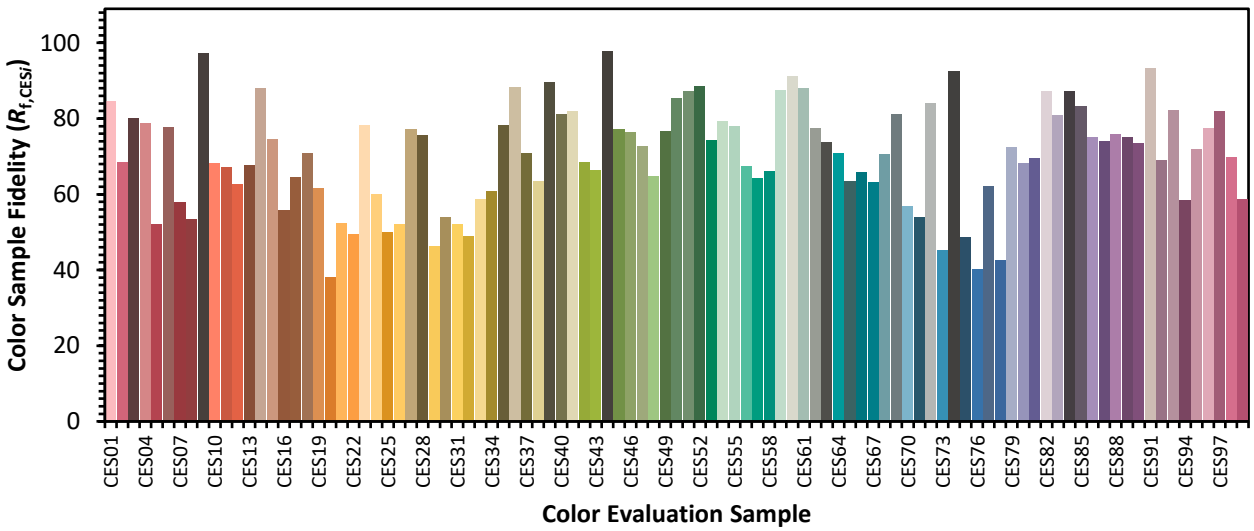


REPORT NUMBER: SP1-2407-184-7

TM-30-18

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

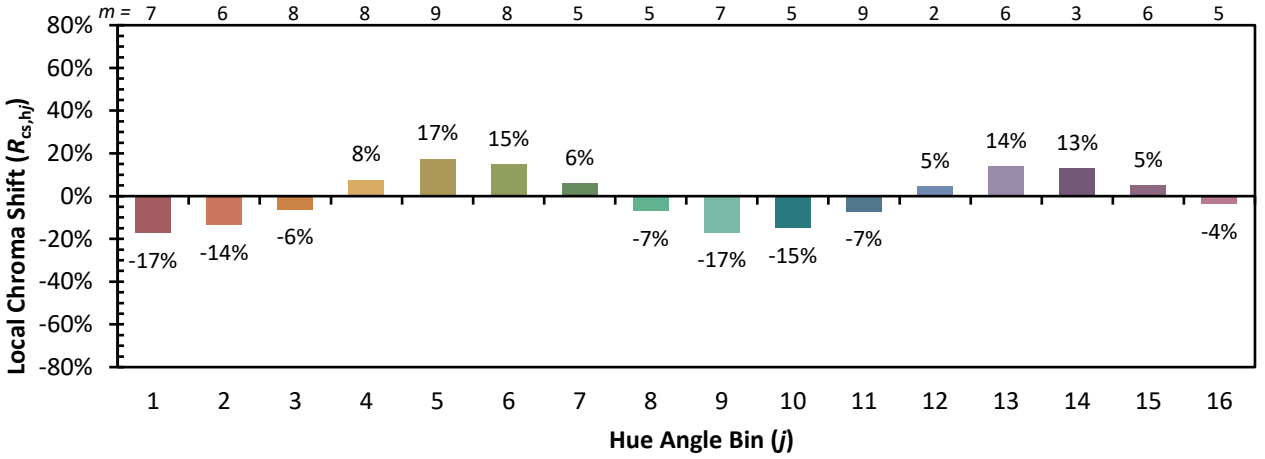
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CES02 = 59	CES27 = 77	CES52 = 88	CES77 = 62
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 43
CES04 = 68	CES29 = 46	CES54 = 79	CES79 = 72
CES05 = 45	CES30 = 54	CES55 = 78	CES80 = 68
CES06 = 49	CES31 = 52	CES56 = 67	CES81 = 70
CES07 = 38	CES32 = 49	CES57 = 64	CES82 = 87
CES08 = 37	CES33 = 59	CES58 = 66	CES83 = 81
CES09 = 29	CES34 = 61	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 78	CES60 = 91	CES85 = 83
CES11 = 55	CES36 = 88	CES61 = 88	CES86 = 75
CES12 = 61	CES37 = 71	CES62 = 77	CES87 = 74
CES13 = 41	CES38 = 64	CES63 = 74	CES88 = 76
CES14 = 74	CES39 = 90	CES64 = 71	CES89 = 75
CES15 = 70	CES40 = 81	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 82	CES66 = 66	CES91 = 93
CES17 = 48	CES42 = 69	CES67 = 63	CES92 = 69
CES18 = 55	CES43 = 67	CES68 = 71	CES93 = 82
CES19 = 70	CES44 = 98	CES69 = 81	CES94 = 58
CES20 = 63	CES45 = 77	CES70 = 57	CES95 = 72
CES21 = 85	CES46 = 76	CES71 = 54	CES96 = 78
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 45	CES98 = 70
CES24 = 90	CES49 = 77	CES74 = 92	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

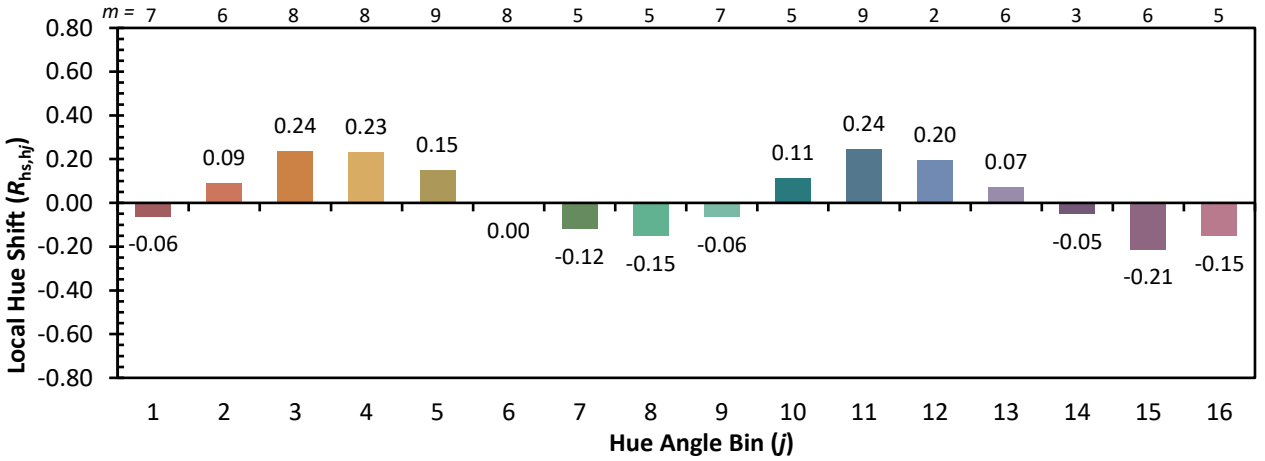


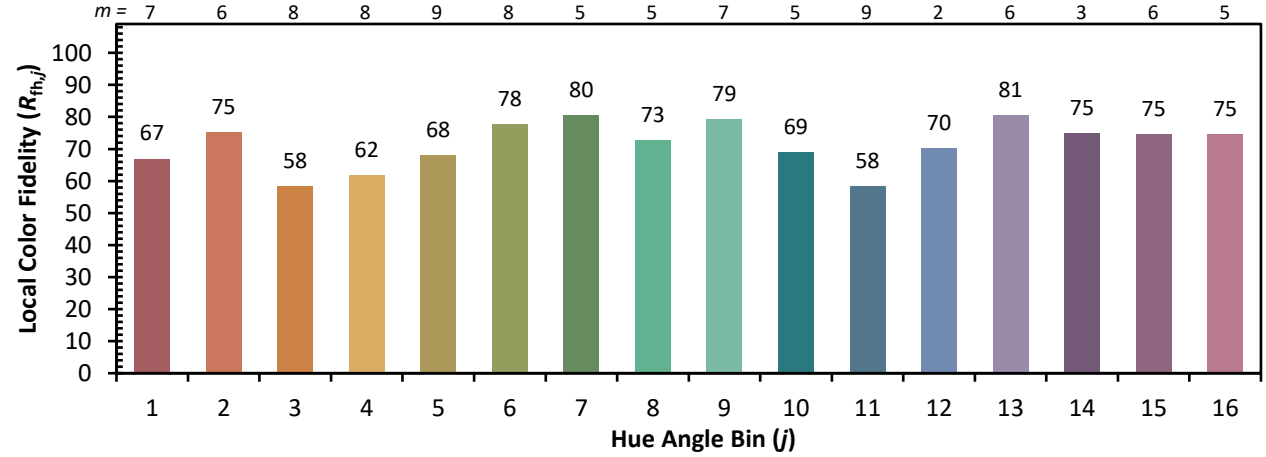
REPORT NUMBER: SP1-2407-184-7

TM-30-18

Color Rendition by Hue-Angle Bin



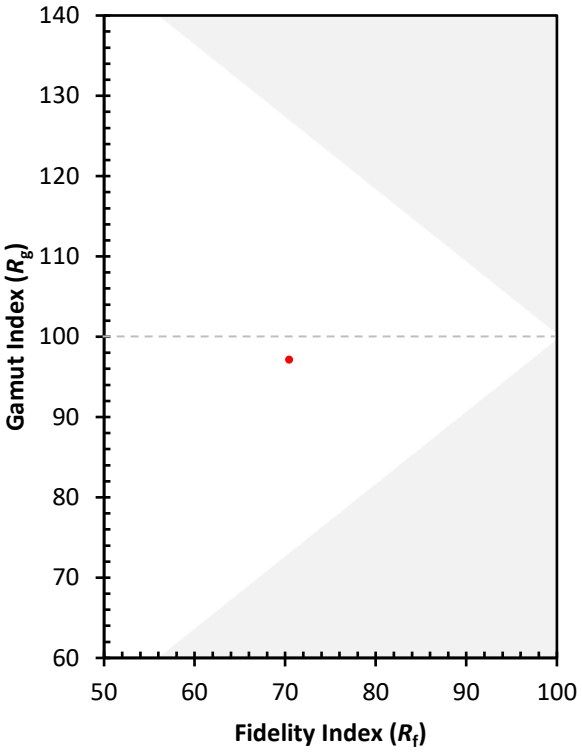


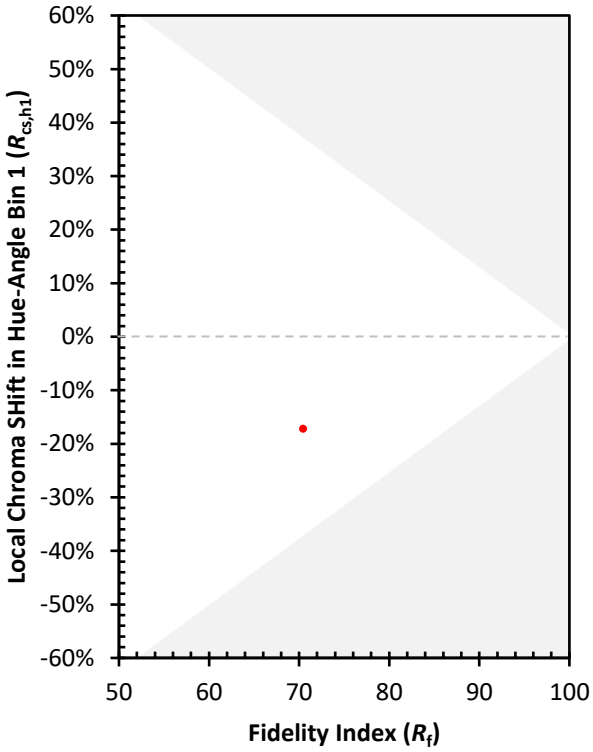


REPORT NUMBER: SP1-2407-184-7

TM-30-18

Measure Comparisons





(END OF REPORT)