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: P1501778

Luminaire Tested: GSS-SB6B-727-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501778
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-727-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	24766.4 lumens
Efficiency:	N/A
Efficacy:	113.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

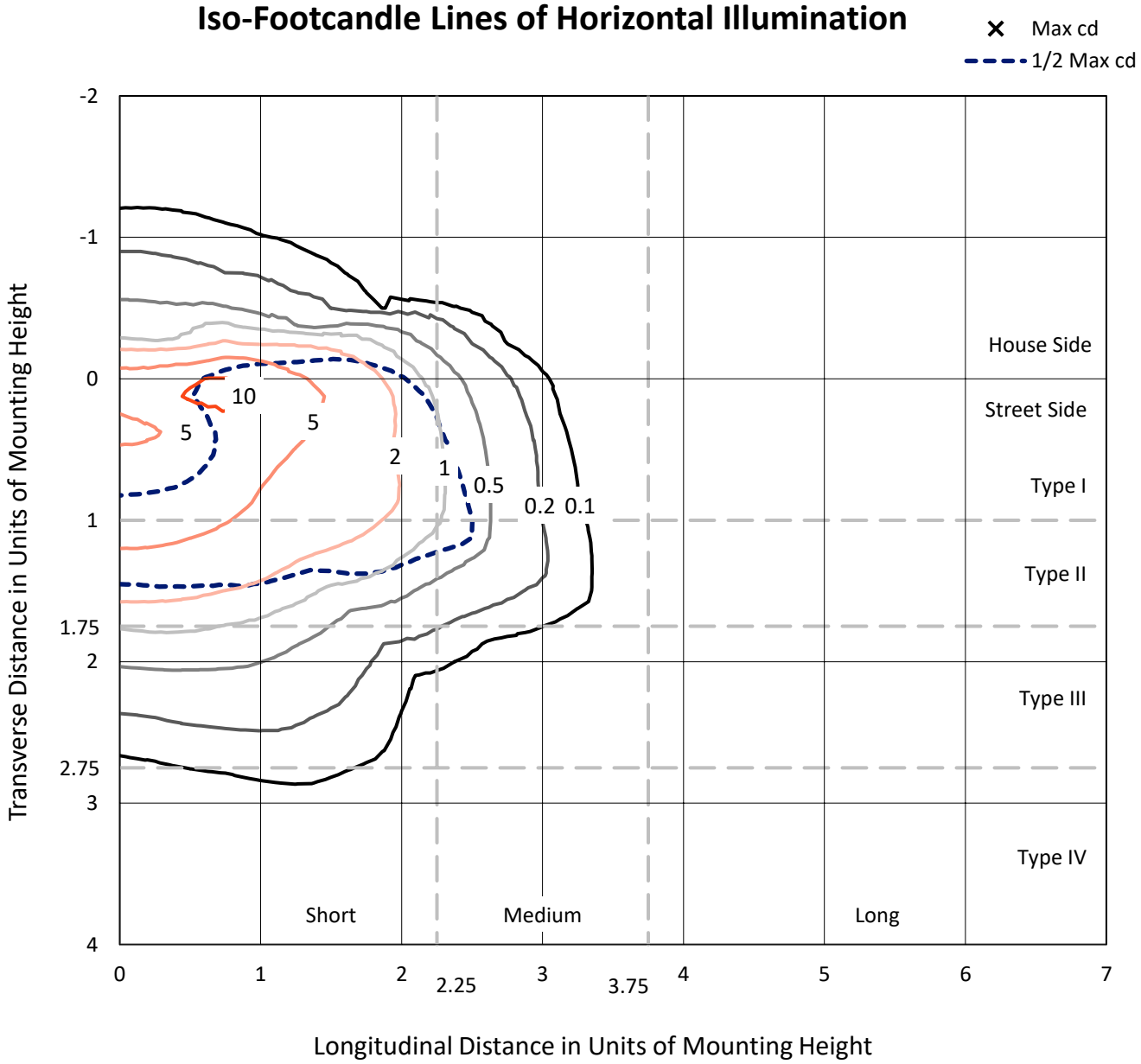
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



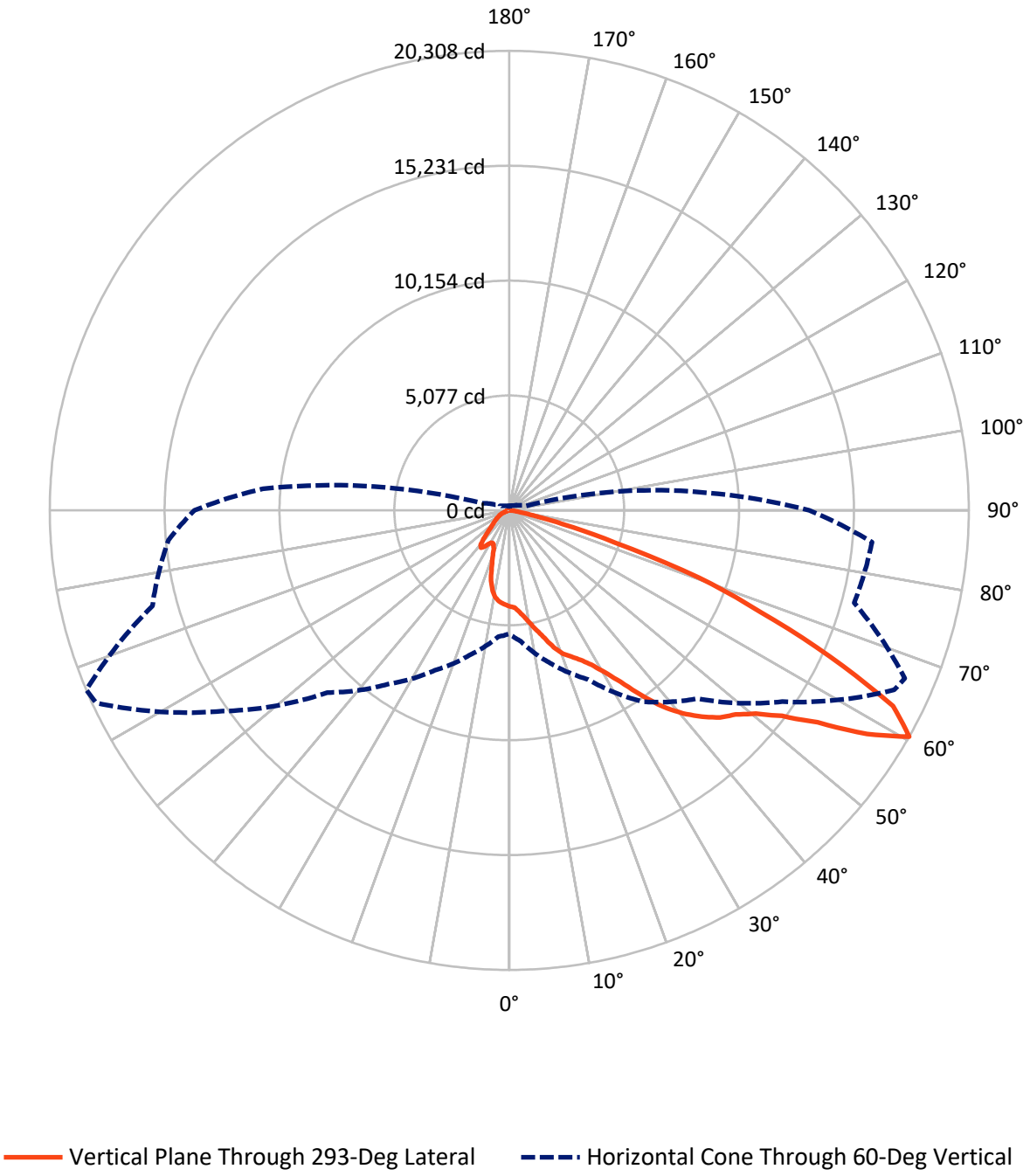
Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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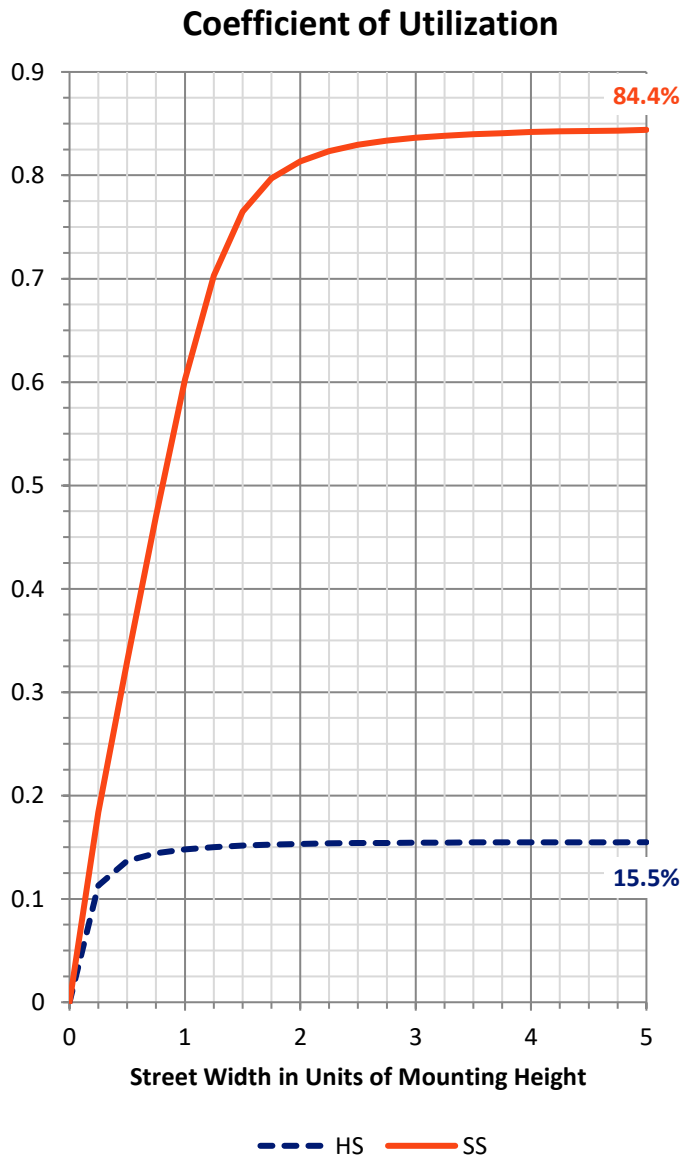
REPORT NUMBER: P1501778
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3864.2	0.0	3864.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	20902.2	0.0	20902.2
	% Fixture	84.4	0.0	84.4
Total	Lumens	24766.4	0.0	24766.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.3	1.6
10°-20°	968.0	3.9
20°-30°	1807.1	7.3
30°-40°	3583.6	14.5
40°-50°	5713.6	23.1
50°-60°	6826.3	27.6
60°-70°	4475.0	18.1
70°-80°	937.6	3.8
80°-90°	70.9	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°	24766.4	100.0
0°-180°	24766.4	100.0



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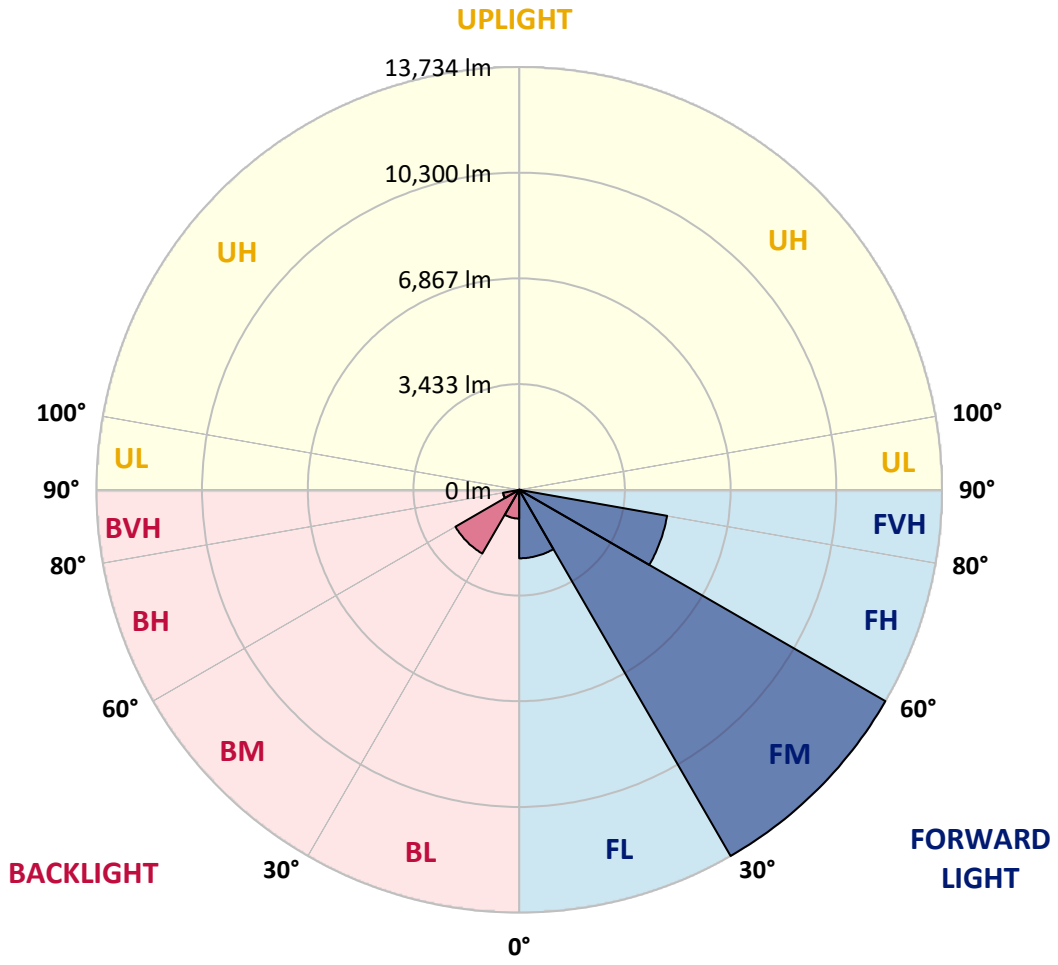
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2224.5	9.0			
FM	(30°-60°)	13733.9	55.5			
FH	(60°-80°)	4878.8	19.7			G2/5000
FVH	(80°-90°)	65.0	0.3			G1/100
BL	(0°-30°)	934.9	3.8	B2/1000		
BM	(30°-60°)	2389.6	9.6	B2/2500		
BH	(60°-80°)	533.8	2.2	B2/1000		G2/1000
BVH	(80°-90°)	5.9	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°	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7
2.5°	4459.7	4445.8	4425.0	4432.0	4425.0	4397.3	4355.7	4321.0	4348.7	4307.1	4279.4
5°	4591.5	4591.5	4577.6	4577.6	4584.6	4570.7	4543.0	4494.4	4501.3	4466.7	4376.5
7.5°	4591.5	4570.7	4605.4	4640.1	4702.5	4737.2	4751.0	4723.3	4737.2	4667.8	4549.9
10°	4321.0	4307.1	4397.3	4529.1	4709.4	4868.9	4973.0	4979.9	5000.7	4931.4	4792.6
12.5°	3745.3	3717.6	3897.9	4147.6	4515.2	4882.8	5174.1	5285.1	5333.6	5305.9	5111.7
15°	3211.3	3246.0	3370.8	3641.3	4133.7	4695.5	5285.1	5652.7	5722.0	5756.7	5527.8
17.5°	3155.8	3162.7	3204.3	3336.1	3710.7	4390.4	5299.0	6034.1	6131.2	6283.8	5971.7
20°	3308.4	3294.5	3336.1	3377.7	3558.1	4119.9	5167.2	6401.7	6589.0	6915.0	6575.1
22.5°	3592.7	3592.7	3613.6	3641.3	3731.5	4099.1	5111.7	6741.6	7060.6	7726.5	7331.1
25°	4071.3	4015.8	4029.7	3995.0	4071.3	4348.7	5236.5	7012.1	7449.1	8628.1	8232.8
27.5°	4813.4	4834.3	4709.4	4522.1	4563.8	4799.6	5541.7	7317.3	7851.3	9564.5	9148.3
30°	5839.9	5805.3	5729.0	5361.4	5194.9	5403.0	6103.5	7816.6	8392.3	10750.5	10369.0
32.5°	6644.5	6741.6	6609.8	6353.2	6096.6	6159.0	6894.2	8621.2	9051.2	11839.4	11631.3
35°	7615.5	7615.5	7643.3	7282.6	7109.2	7095.3	7886.0	9495.1	9925.1	12824.3	12970.0
37.5°	8926.4	8836.2	8683.6	8281.3	8149.6	8323.0	8815.4	10396.8	10861.5	13621.9	14010.3
40°	10029.2	10091.6	10070.8	9488.2	9231.6	9418.8	9855.8	11166.6	11527.3	14135.2	14849.6
42.5°	11111.2	11145.8	11055.7	10778.2	10403.7	10417.6	10778.2	11749.2	12116.8	14627.6	15640.2
45°	11922.6	11915.7	11853.3	11783.9	11562.0	11333.1	11395.5	12394.3	12713.3	14787.1	16070.3
47.5°	12179.3	12234.8	12290.2	12484.4	12637.0	12276.4	11957.3	12741.1	13032.4	14759.4	16229.8
50°	11943.5	12061.4	12331.9	12623.2	13143.3	13115.6	12429.0	13115.6	13400.0	14912.0	16417.0
52.5°	11416.3	11534.2	11894.9	12422.0	13205.8	13594.2	13302.9	13746.8	14079.7	15300.4	16805.5
55°	10188.7	10237.2	10979.4	11673.0	12893.7	13386.1	14239.2	14814.9	15092.3	15772.0	17318.7
57.5°	8295.2	8413.1	9141.4	10271.9	12019.7	12838.2	14773.3	16639.0	16632.1	16222.8	17429.7
60°	*5458.5*	*5805.3*	*6991.3*	*8239.7*	*10327.4*	*11763.1*	*14738.6*	*18775.2*	*18990.2*	*15779.0*	*16091.1*
62.5°	4168.4	4314.1	4986.8	6027.2	7643.3	9751.7	14509.7	19413.3	19579.8	14586.0	14086.6
65°	3135.0	3315.3	3960.3	4889.7	5396.1	6609.8	13011.6	16874.8	17103.7	13018.5	10951.6
67.5°	1921.2	2066.9	2926.9	4015.8	4085.2	4106.0	8780.7	12782.7	12865.9	10500.8	7372.8
70°	1283.1	1428.8	2025.3	3086.4	3252.9	2365.1	4820.4	9675.4	9668.5	7185.5	4480.5
72.5°	742.1	811.5	1283.1	2274.9	2559.3	1505.1	2406.7	6152.1	5881.6	3377.7	2094.6
75°	423.1	471.6	707.5	1463.5	1796.4	957.1	950.2	3294.5	2913.0	1740.9	1144.4
77.5°	256.6	277.4	388.4	957.1	1082.0	645.0	527.1	1532.8	1477.3	1019.6	603.4
80°	124.8	145.7	235.8	561.8	693.6	346.8	319.0	603.4	645.0	561.8	319.0
82.5°	41.6	55.5	131.8	215.0	450.8	138.7	131.8	332.9	353.7	332.9	152.6
85°	20.8	27.7	62.4	69.4	173.4	69.4	48.6	145.7	180.3	111.0	62.4
87.5°	0.0	6.9	6.9	6.9	6.9	6.9	6.9	13.9	13.9	13.9	13.9
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°	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7
2.5°	4258.6	4244.7	4217.0	4168.4	4161.5	4126.8	4071.3	4036.6	4008.9	4029.7	4036.6
5°	4334.9	4300.2	4217.0	4085.2	3946.5	3807.8	3676.0	3523.4	3419.4	3405.5	3377.7
7.5°	4473.6	4404.2	4223.9	3967.3	3613.6	3280.6	2892.2	2517.7	2330.4	2302.7	2240.3
10°	4695.5	4577.6	4279.4	3759.2	3079.5	2385.9	1796.4	1394.1	1165.2	1123.6	1137.5
12.5°	4959.1	4792.6	4286.3	3405.5	2344.3	1477.3	1019.6	867.0	818.4	797.6	797.6
15°	5299.0	5056.2	4279.4	2947.7	1581.4	950.2	818.4	756.0	735.2	721.3	721.3
17.5°	5729.0	5409.9	4230.8	2261.1	1068.1	825.4	749.1	700.5	672.8	665.8	665.8
20°	6235.3	5805.3	4119.9	1685.4	894.7	769.9	707.5	645.0	624.2	610.4	610.4
22.5°	6880.3	6283.8	3904.9	1310.9	846.2	735.2	665.8	596.5	575.7	561.8	561.8
25°	7629.4	6894.2	3620.5	1179.1	839.2	707.5	624.2	554.9	534.1	527.1	520.2
27.5°	8517.2	7546.2	3356.9	1186.0	853.1	686.6	582.6	520.2	499.4	478.6	485.5
30°	9564.5	8218.9	3141.9	1269.3	867.0	665.8	554.9	499.4	478.6	450.8	450.8
32.5°	10597.9	9009.6	3121.1	1421.8	915.5	652.0	527.1	471.6	450.8	430.0	430.0
35°	11659.1	9730.9	3239.0	1623.0	1012.6	631.2	492.4	443.9	423.1	409.2	402.3
37.5°	12671.7	10306.6	3350.0	1747.8	957.1	541.0	450.8	409.2	388.4	360.7	360.7
40°	13344.5	10618.7	3370.8	1650.7	790.7	485.5	409.2	367.6	339.9	326.0	319.0
42.5°	13836.9	10819.9	3135.0	1338.6	686.6	443.9	374.5	332.9	312.1	298.2	298.2
45°	14038.1	10750.5	2732.7	1019.6	631.2	409.2	339.9	305.2	291.3	277.4	277.4
47.5°	14010.3	10431.4	2323.5	818.4	575.7	374.5	319.0	291.3	277.4	263.6	256.6
50°	13961.8	10133.2	1907.3	728.3	513.2	353.7	298.2	277.4	256.6	242.8	235.8
52.5°	14280.8	10036.1	1581.4	665.8	478.6	339.9	291.3	263.6	242.8	228.9	228.9
55°	14599.9	10077.7	1241.5	624.2	443.9	332.9	284.4	256.6	235.8	215.0	215.0
57.5°	14579.1	9897.4	943.3	582.6	416.1	326.0	277.4	249.7	215.0	201.1	201.1
60°	*13254.3*	*8829.3*	*735.2*	*534.1*	*381.5*	*305.2*	*256.6*	*235.8*	*201.1*	*180.3*	*180.3*
62.5°	11208.3	6942.7	603.4	471.6	339.9	277.4	235.8	215.0	180.3	145.7	145.7
65°	8281.3	5007.6	485.5	409.2	312.1	242.8	215.0	187.3	145.7	117.9	111.0
67.5°	5604.1	3079.5	388.4	339.9	277.4	208.1	180.3	159.5	131.8	97.1	90.2
70°	3322.2	1636.8	284.4	235.8	208.1	152.6	152.6	138.7	111.0	83.2	76.3
72.5°	1581.4	568.7	208.1	173.4	159.5	111.0	117.9	117.9	90.2	62.4	55.5
75°	804.6	277.4	138.7	124.8	104.0	83.2	97.1	90.2	62.4	41.6	41.6
77.5°	457.8	194.2	97.1	83.2	69.4	55.5	62.4	55.5	34.7	20.8	20.8
80°	256.6	138.7	62.4	55.5	41.6	34.7	34.7	27.7	20.8	6.9	6.9
82.5°	97.1	83.2	41.6	27.7	20.8	20.8	13.9	13.9	6.9	0.0	0.0
85°	41.6	20.8	20.8	13.9	13.9	6.9	6.9	6.9	0.0	0.0	0.0
87.5°	6.9	6.9	6.9	6.9	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°	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7
2.5°	3981.2	3995.0	4008.9	4064.4	4078.3	4119.9	4154.5	4196.2	4203.1	4258.6	4258.6
5°	3433.2	3426.3	3544.2	3717.6	3828.6	3981.2	4099.1	4223.9	4293.3	4383.4	4425.0
7.5°	2274.9	2448.3	2711.9	3017.1	3412.4	3780.0	4057.4	4300.2	4466.7	4570.7	4612.3
10°	1130.5	1227.6	1505.1	2004.4	2677.2	3426.3	4015.8	4466.7	4737.2	4855.1	4931.4
12.5°	797.6	818.4	867.0	1137.5	1782.5	2843.7	3884.0	4647.0	5021.5	5243.5	5340.6
15°	714.4	728.3	749.1	825.4	1102.8	2122.4	3648.2	4848.1	5465.4	5722.0	5846.9
17.5°	658.9	665.8	686.6	749.1	867.0	1442.6	3266.8	5063.1	5999.5	6311.6	6547.4
20°	610.4	610.4	631.2	707.5	804.6	1109.7	2718.8	5305.9	6679.2	7130.0	7365.8
22.5°	554.9	568.7	582.6	665.8	783.7	1012.6	2205.6	5493.2	7435.2	7983.1	8260.5
25°	513.2	527.1	541.0	624.2	762.9	1012.6	1907.3	5611.1	8281.3	8933.3	9314.8
27.5°	478.6	492.4	513.2	596.5	742.1	1054.2	1789.4	5645.7	9203.8	10050.0	10563.2
30°	450.8	464.7	485.5	575.7	756.0	1102.8	1831.1	5597.2	10140.1	11201.3	11811.7
32.5°	423.1	437.0	457.8	554.9	756.0	1165.2	1969.8	5500.1	11048.7	12352.7	13101.7
35°	402.3	409.2	416.1	499.4	686.6	1158.3	2143.2	5403.0	11964.3	13490.1	14364.0
37.5°	360.7	367.6	381.5	430.0	547.9	1054.2	2177.8	5285.1	12685.6	14447.3	15411.4
40°	319.0	332.9	346.8	395.3	457.8	853.1	2025.3	5035.4	13067.1	15182.5	16354.6
42.5°	291.3	298.2	312.1	360.7	423.1	679.7	1699.3	4598.4	13406.9	15681.9	17041.3
45°	270.5	277.4	291.3	326.0	395.3	589.5	1338.6	4064.4	13434.6	15841.4	17374.2
47.5°	249.7	256.6	263.6	298.2	381.5	527.1	1026.5	3578.9	13427.7	16049.4	17658.6
50°	235.8	242.8	256.6	284.4	360.7	471.6	846.2	3183.5	13719.0	16500.3	18234.2
52.5°	228.9	228.9	249.7	277.4	339.9	430.0	707.5	2829.8	13871.6	16944.2	18650.4
55°	215.0	221.9	235.8	263.6	319.0	409.2	603.4	2385.9	13941.0	17166.1	18726.7
57.5°	201.1	208.1	228.9	249.7	305.2	388.4	520.2	1782.5	12949.1	16007.8	17450.5
60°	*180.3*	*194.2*	*221.9*	*242.8*	*284.4*	*353.7*	*457.8*	*1206.8*	*10923.9*	*13913.2*	*15120.1*
62.5°	145.7	173.4	201.1	215.0	256.6	298.2	388.4	804.6	8725.2	11513.4	12886.7
65°	111.0	145.7	166.5	187.3	215.0	249.7	326.0	547.9	5819.1	7747.3	9294.0
67.5°	97.1	124.8	138.7	152.6	180.3	215.0	263.6	381.5	3530.3	4653.9	6179.8
70°	76.3	104.0	117.9	111.0	138.7	166.5	187.3	256.6	1803.3	2524.6	3516.5
72.5°	55.5	83.2	90.2	90.2	83.2	117.9	138.7	180.3	783.7	1227.6	1595.2
75°	41.6	55.5	62.4	55.5	48.6	76.3	97.1	117.9	513.2	735.2	929.4
77.5°	20.8	20.8	34.7	34.7	20.8	41.6	48.6	69.4	291.3	430.0	534.1
80°	6.9	0.0	0.0	6.9	0.0	13.9	20.8	34.7	152.6	228.9	332.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	76.3	69.4	173.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	41.6
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: P1501778
CATALOG NUMBER: GSS-SB6B-727-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4244.7	*4244.7*	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7	4244.7
2.5°	4293.3	*4293.3*	4321.0	4362.6	4383.4	4397.3	4404.2	4418.1	4473.6	4459.7
5°	4473.6	*4487.5*	4508.3	4549.9	4598.4	4584.6	4584.6	4584.6	4619.2	4591.5
7.5°	4709.4	*4751.0*	4758.0	4806.5	4771.8	4702.5	4660.9	4598.4	4591.5	4591.5
10°	5090.9	*5077.0*	5077.0	5014.6	4889.7	4688.6	4508.3	4383.4	4314.1	4321.0
12.5°	5500.1	*5444.6*	5451.5	5222.7	4868.9	4425.0	4057.4	3786.9	3766.1	3745.3
15°	6006.4	*5860.8*	5833.0	5305.9	4556.8	3877.1	3516.5	3301.4	3232.1	3211.3
17.5°	6727.7	*6360.1*	6228.4	5160.2	4147.6	3537.3	3266.8	3169.7	3162.7	3155.8
20°	7490.7	*6762.4*	6512.7	4945.2	4008.9	3544.2	3343.1	3315.3	3301.4	3308.4
22.5°	8378.4	*7019.0*	6700.0	4979.9	4133.7	3773.1	3613.6	3592.7	3578.9	3592.7
25°	9294.0	*7317.3*	6921.9	5257.3	4508.3	4196.2	4008.9	3967.3	4008.9	4071.3
27.5°	10216.4	*7719.5*	7358.9	5805.3	5111.7	4771.8	4591.5	4744.1	4806.5	4813.4
30°	11034.9	*8281.3*	7948.4	6575.1	5798.3	5458.5	5493.2	5687.4	5763.7	5839.9
32.5°	11783.9	*9030.4*	8773.8	7449.1	6686.1	6485.0	6464.2	6609.8	6693.0	6644.5
35°	12539.9	*10008.4*	9758.7	8399.3	7775.0	7608.6	7435.2	7719.5	7691.8	7615.5
37.5°	13254.3	*10993.2*	10764.4	9418.8	8773.8	8482.5	8454.7	8711.4	8940.2	8926.4
40°	13767.6	*11790.9*	11513.4	10431.4	9821.1	9571.4	9717.1	10161.0	10105.5	10029.2
42.5°	14239.2	*12470.6*	12220.9	11319.2	10681.1	10792.1	10923.9	11222.1	11187.4	11111.2
45°	14461.1	*13053.2*	12838.2	11992.0	11679.9	12033.6	12026.7	12137.7	11950.4	11922.6
47.5°	14773.3	*13469.3*	13247.4	12595.4	12872.8	13018.5	12609.3	12491.4	12318.0	12179.3
50°	15348.9	*14114.4*	13892.4	13510.9	13746.8	13295.9	12796.6	12539.9	12186.2	11943.5
52.5°	16021.7	*15092.3*	14898.1	14745.5	14086.6	13157.2	12519.1	12054.4	11624.4	11416.3
55°	16867.9	*16535.0*	16396.2	15557.0	13781.4	12588.5	11839.4	10972.4	10382.9	10188.7
57.5°	17145.3	*18650.4*	18601.8	15688.8	12928.3	11555.0	10202.6	9030.4	8420.1	8295.2
60°	*16326.9*	*20308.0*	*20134.6*	*15466.8*	*11381.7*	*9377.2*	*7795.8*	*6595.9*	*5604.1*	*5458.5*
62.5°	15279.6	*19038.8*	18976.4	14350.2	8669.8	6720.8	5826.1	4702.5	4279.4	4168.4
65°	13087.9	*15577.8*	15605.6	11513.4	5486.2	4827.3	4785.7	3738.4	3218.2	3135.0
67.5°	10077.7	*11950.4*	11756.2	7241.0	3197.4	3863.2	3821.6	2732.7	1976.7	1921.2
70°	5888.5	*8898.6*	8586.5	3766.1	2115.4	3225.1	2940.8	1921.2	1345.5	1283.1
72.5°	2600.9	*4896.7*	5257.3	1657.7	1491.2	2566.2	2122.4	1179.1	756.0	742.1
75°	1442.6	*2427.5*	2538.5	721.3	1047.3	1824.1	1283.1	658.9	430.0	423.1
77.5°	867.0	*1075.0*	1047.3	464.7	783.7	1165.2	776.8	374.5	270.5	256.6
80°	485.5	*492.4*	416.1	339.9	464.7	652.0	437.0	235.8	124.8	124.8
82.5°	298.2	*270.5*	215.0	104.0	124.8	395.3	159.5	131.8	41.6	41.6
85°	124.8	*83.2*	55.5	20.8	48.6	104.0	55.5	62.4	20.8	20.8
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

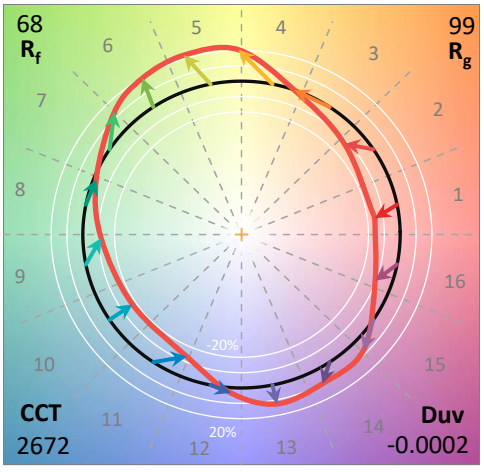
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

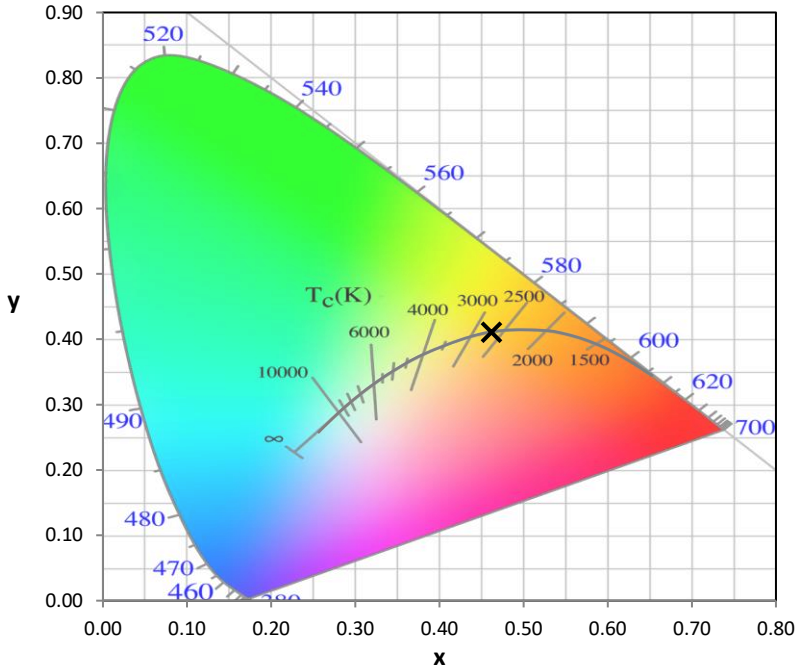
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

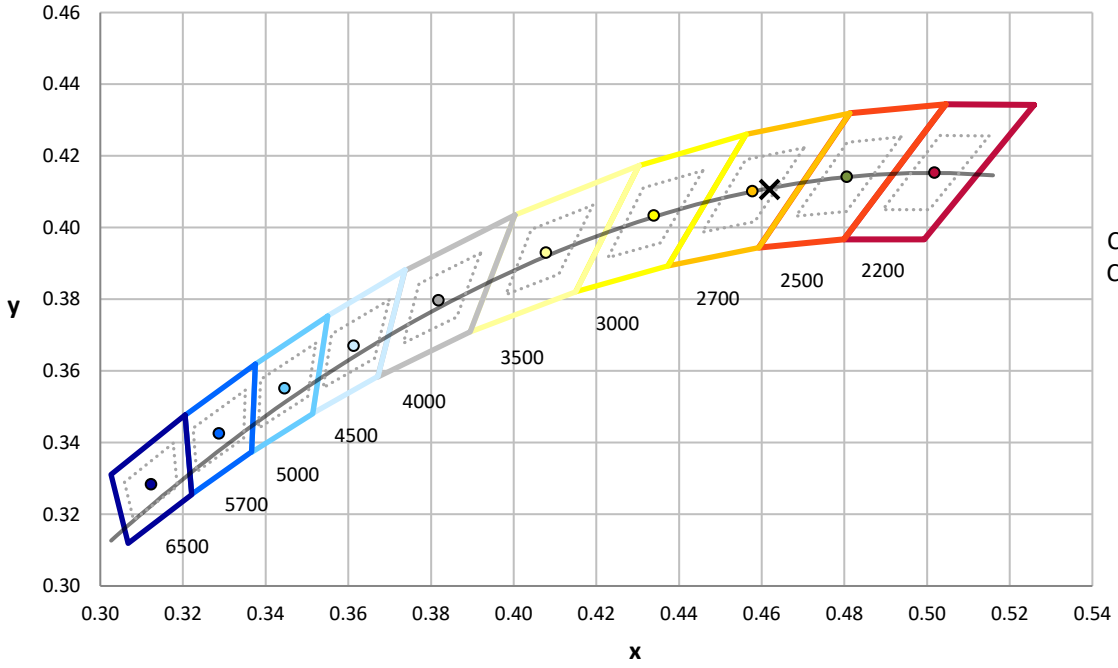
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

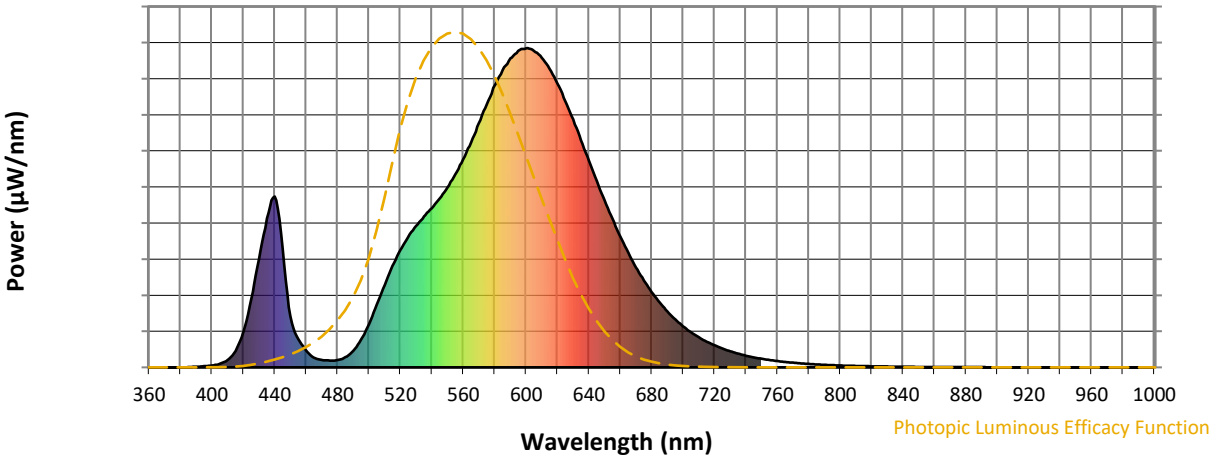


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

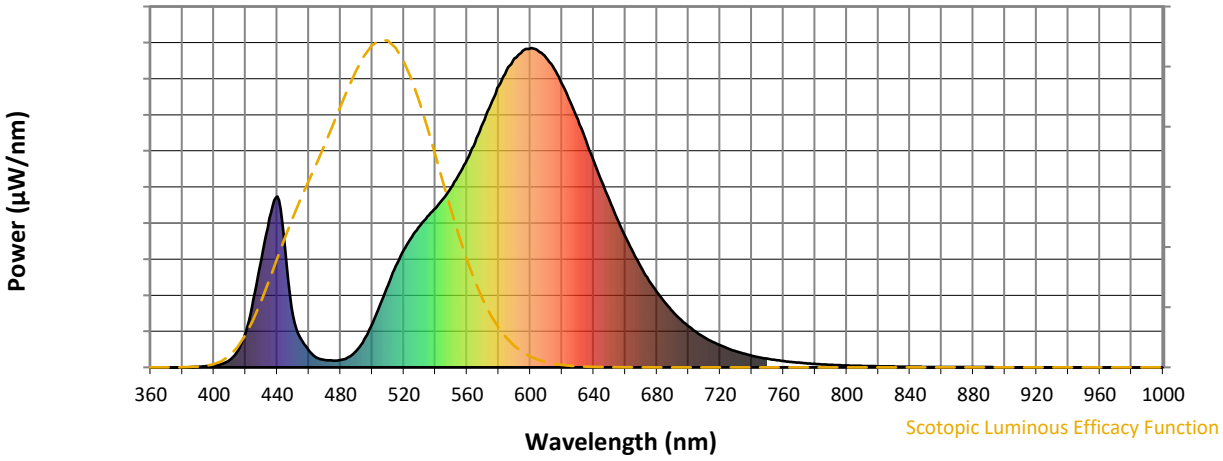


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

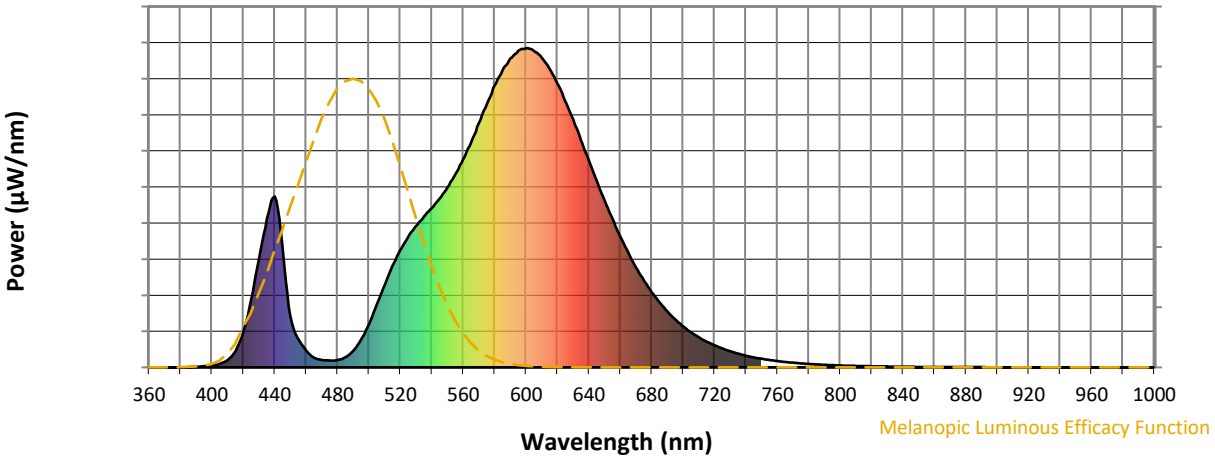


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

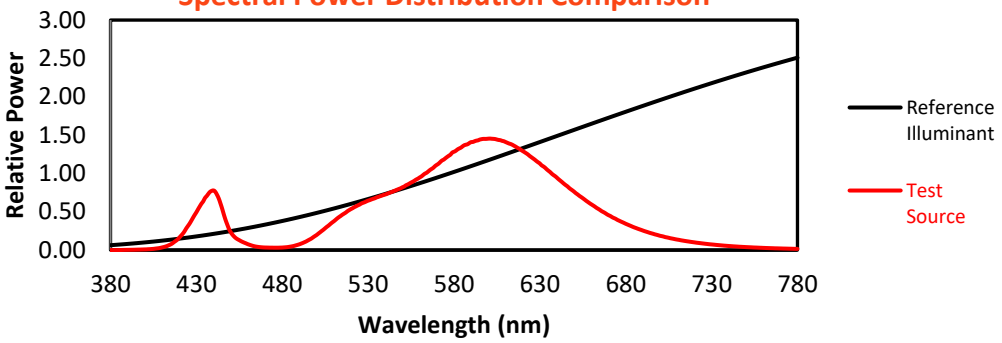
REPORT NUMBER: SP1-2407-184-3

TM-30-18

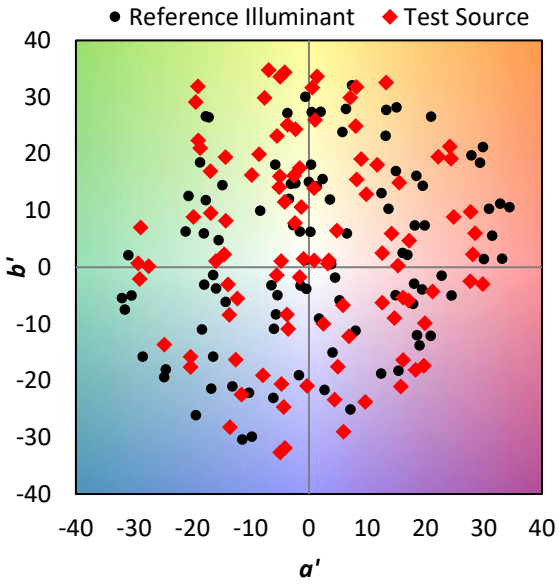
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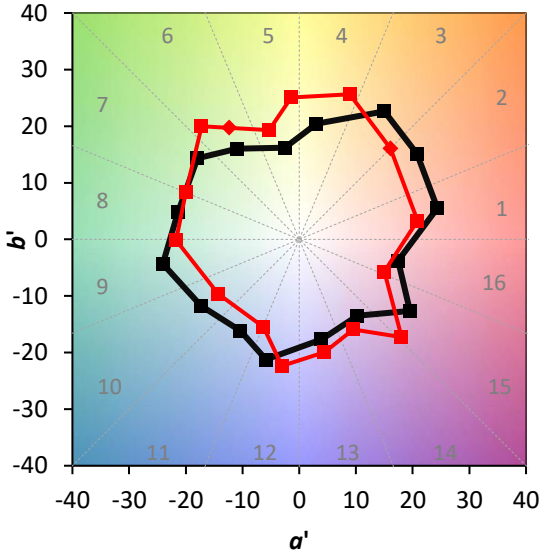
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

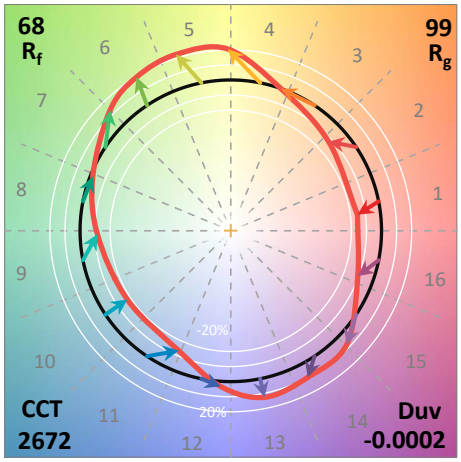
Spectral Power Distribution Comparison

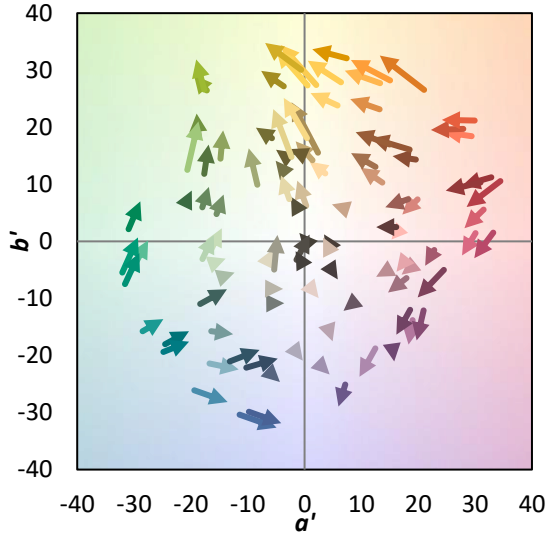


Color Vector Graphics







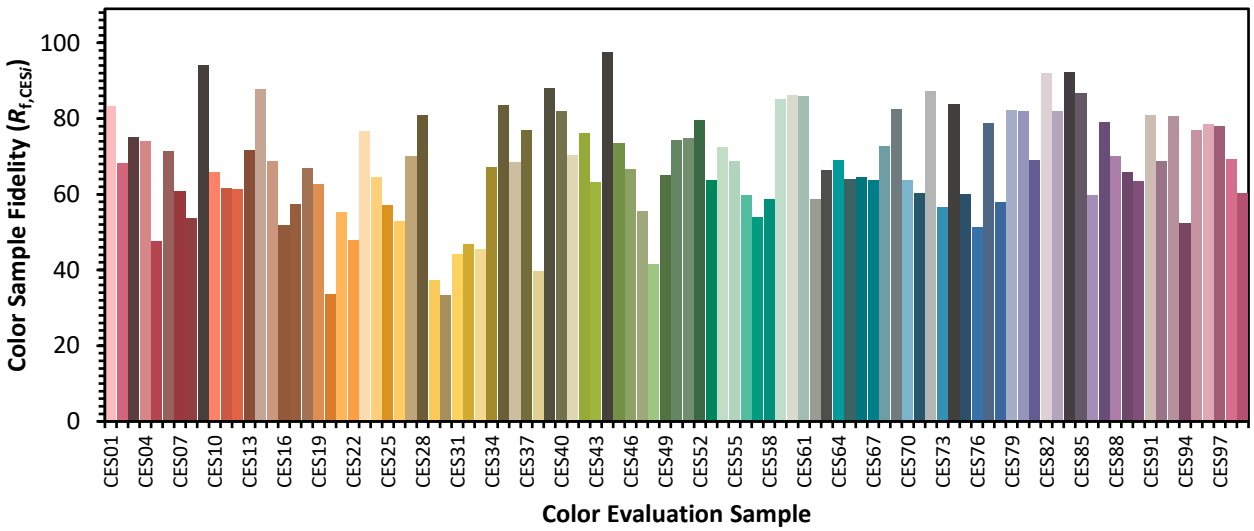


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

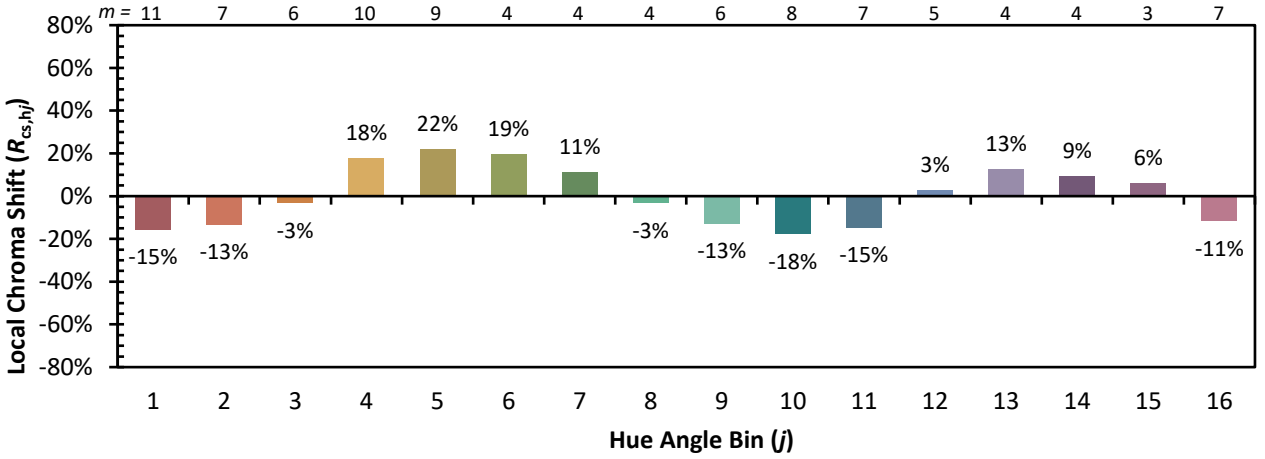
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

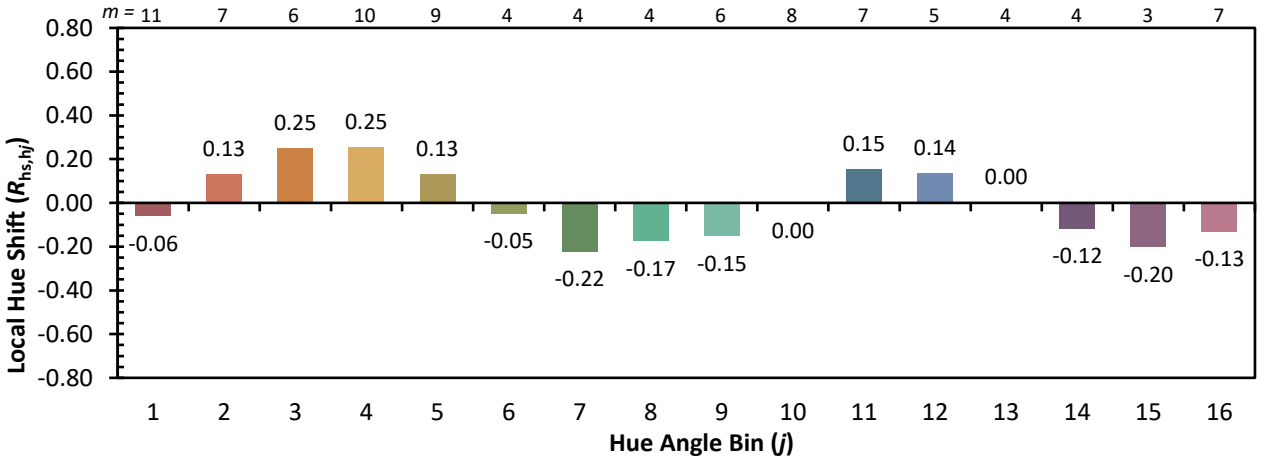


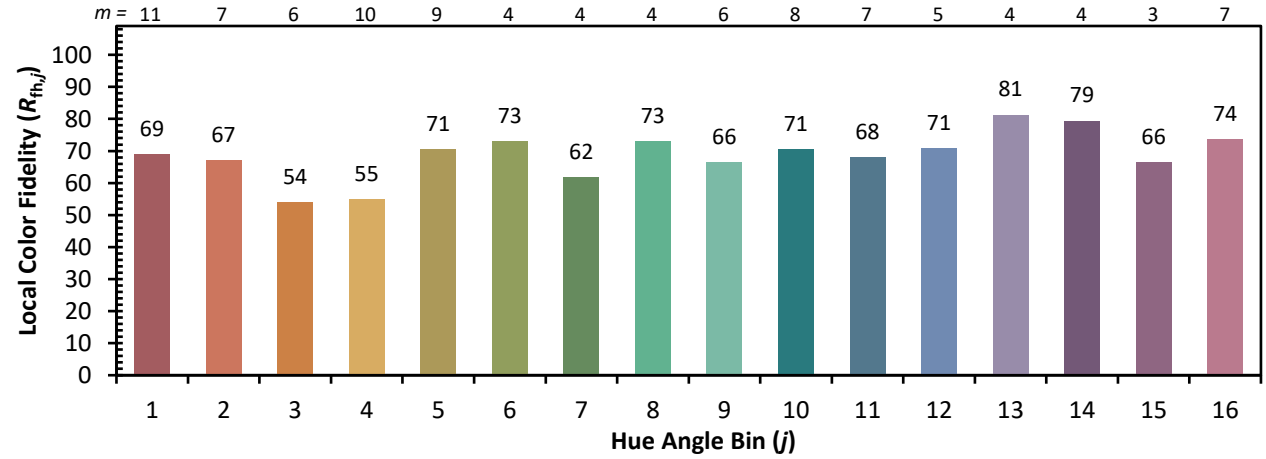
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



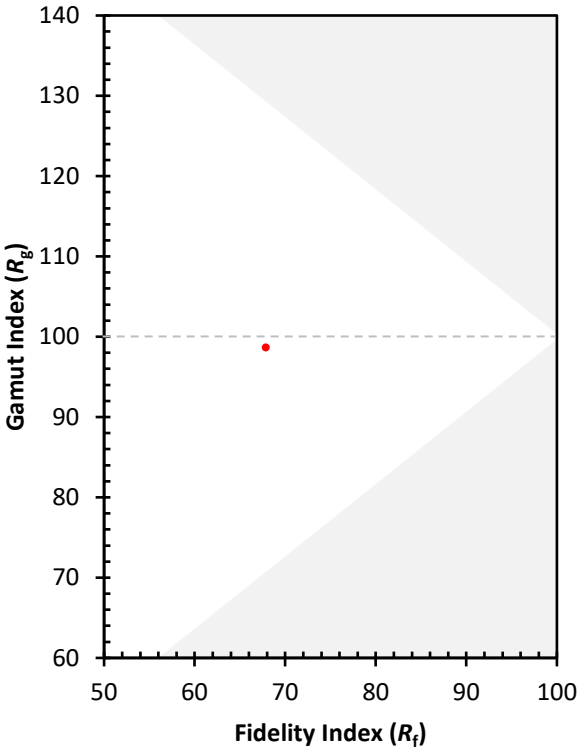


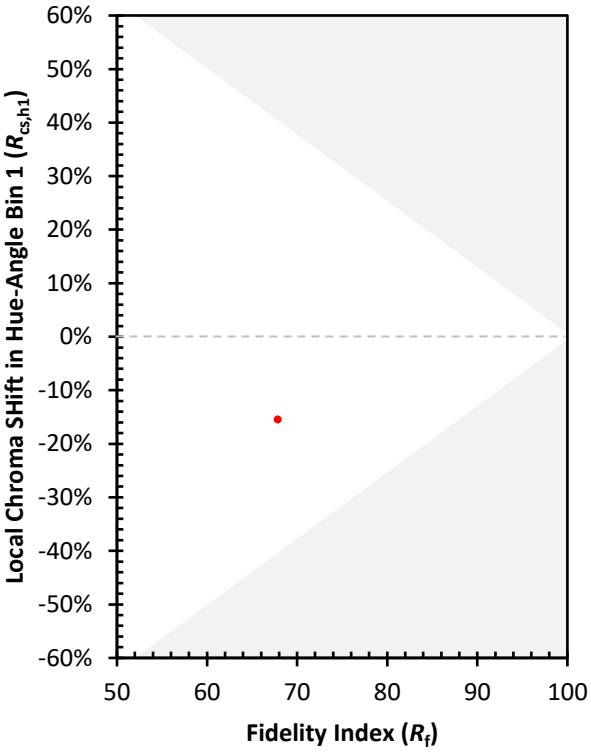


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)