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: P1501444

Luminaire Tested: GSS-SB6D-735-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:	P1501444
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6D-735-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 362W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	51160.1 lumens
Efficiency:	N/A
Efficacy:	141.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4

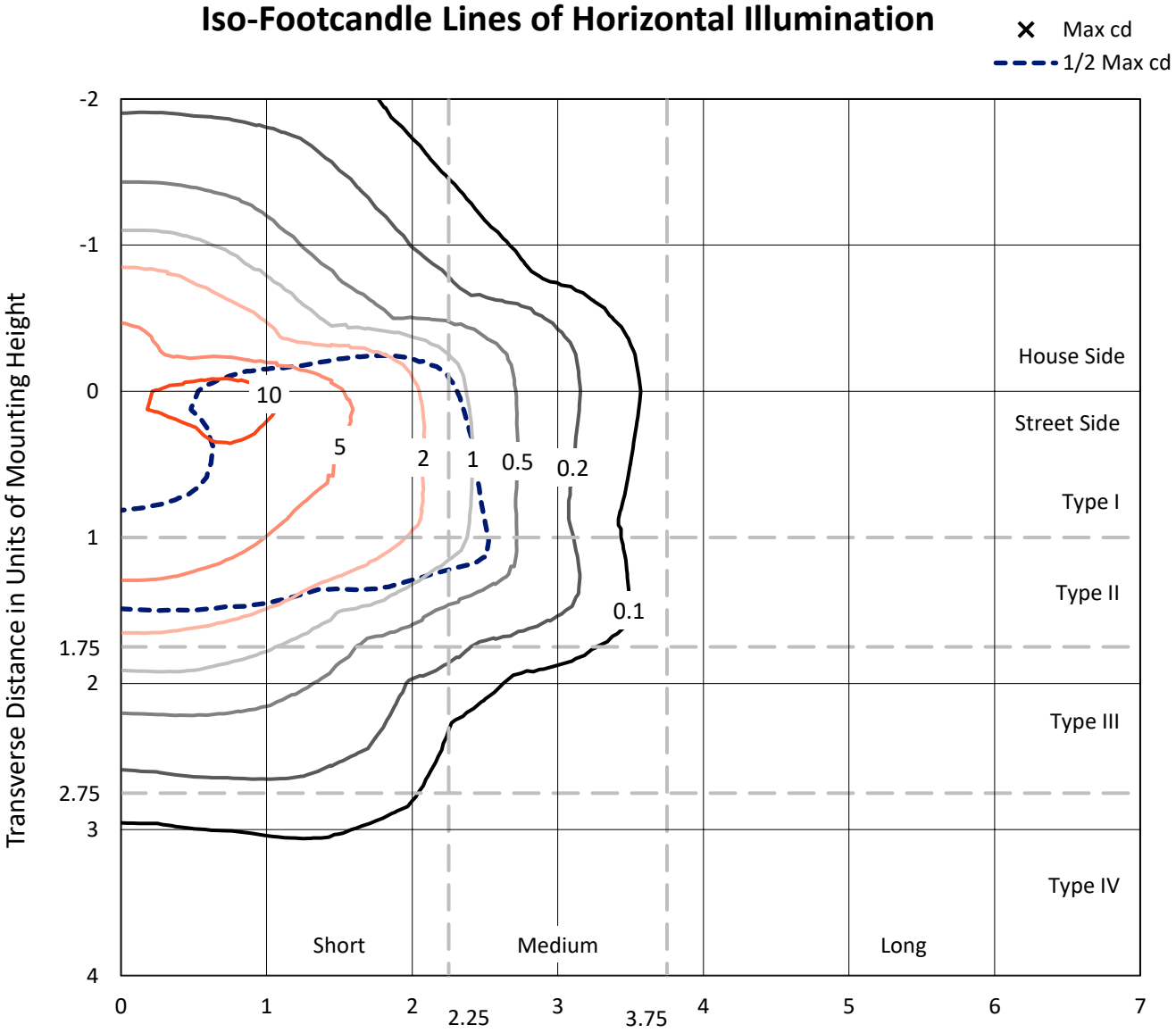
Input Watts (W):	362
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



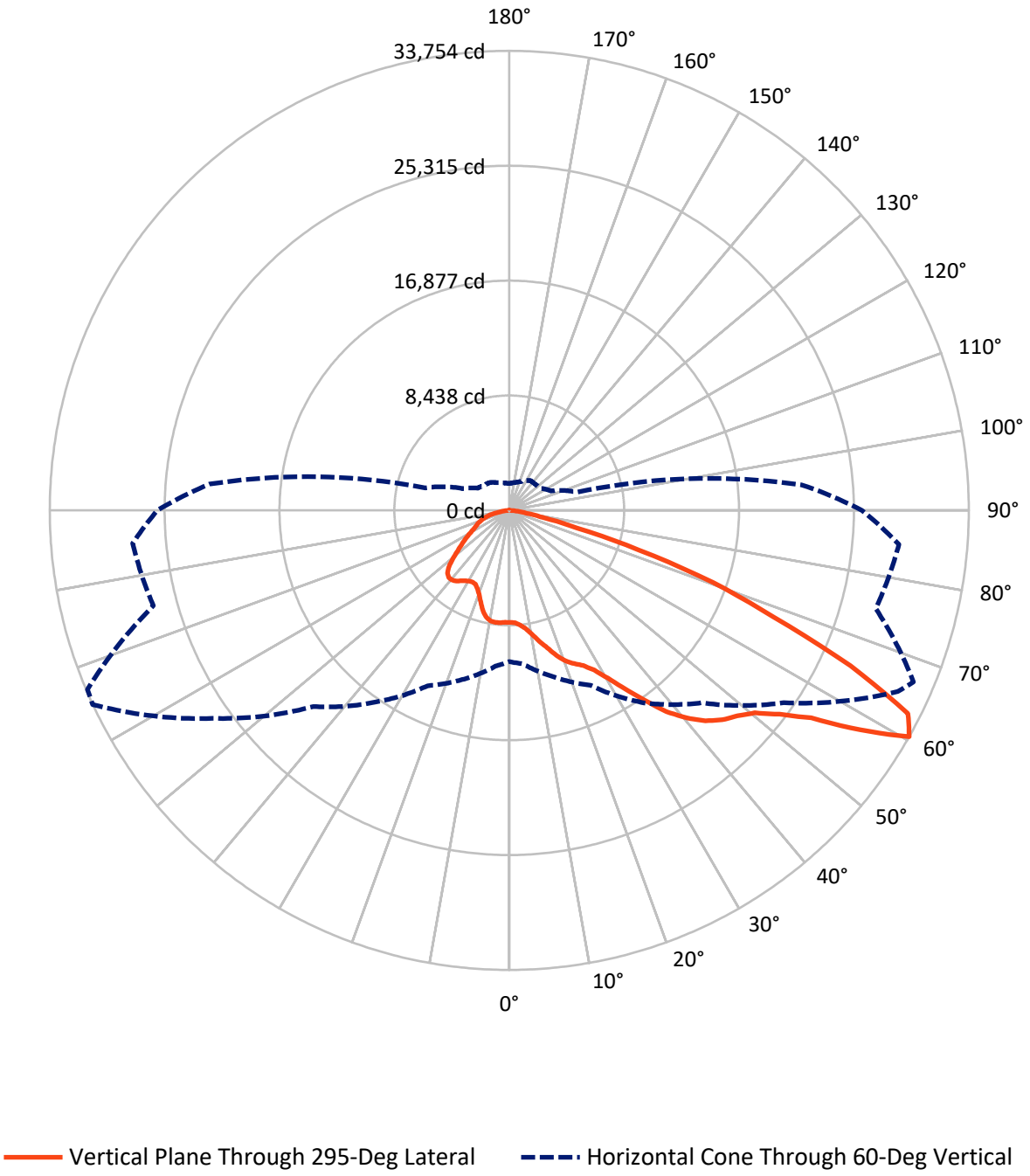
Based on 30 foot mounting height. Maximum calculated value = 13.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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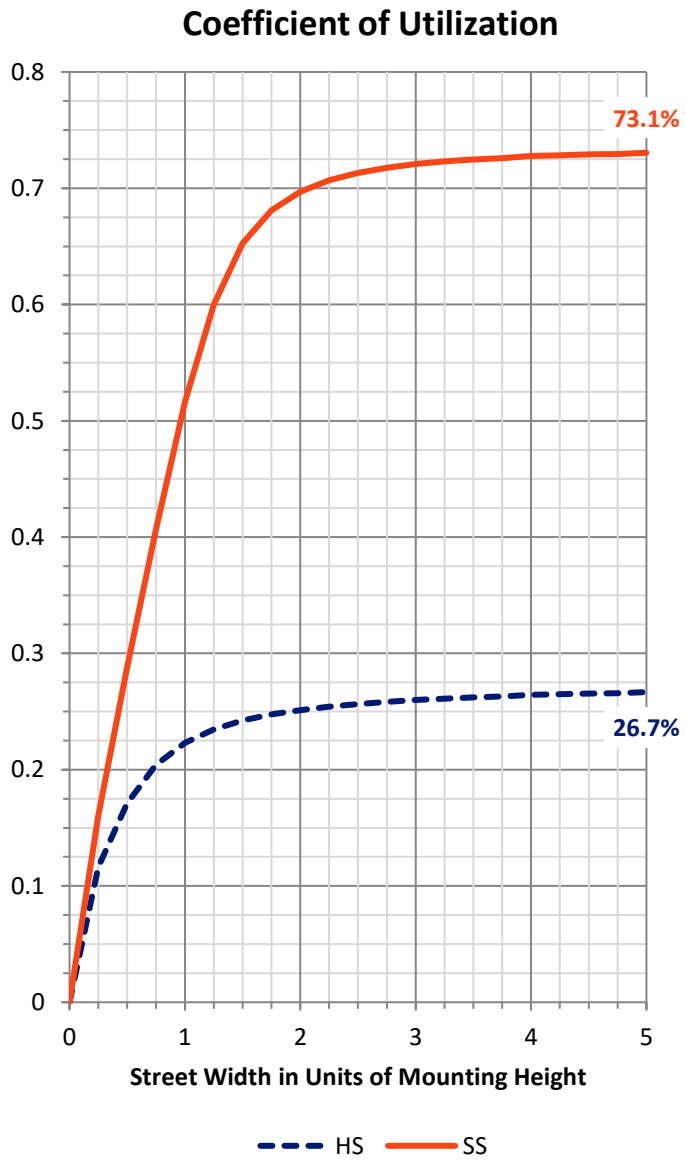
REPORT NUMBER: P1501444
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13757.6	0.0	13757.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	37402.5	0.0	37402.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	51160.1	0.0	51160.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	774.0	1.5
10°-20°	2224.8	4.3
20°-30°	4214.2	8.2
30°-40°	7429.5	14.5
40°-50°	10987.4	21.5
50°-60°	12902.2	25.2
60°-70°	9348.2	18.3
70°-80°	2882.9	5.6
80°-90°	396.9	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°	51160.1	100.0
0°-180°	51160.1	100.0



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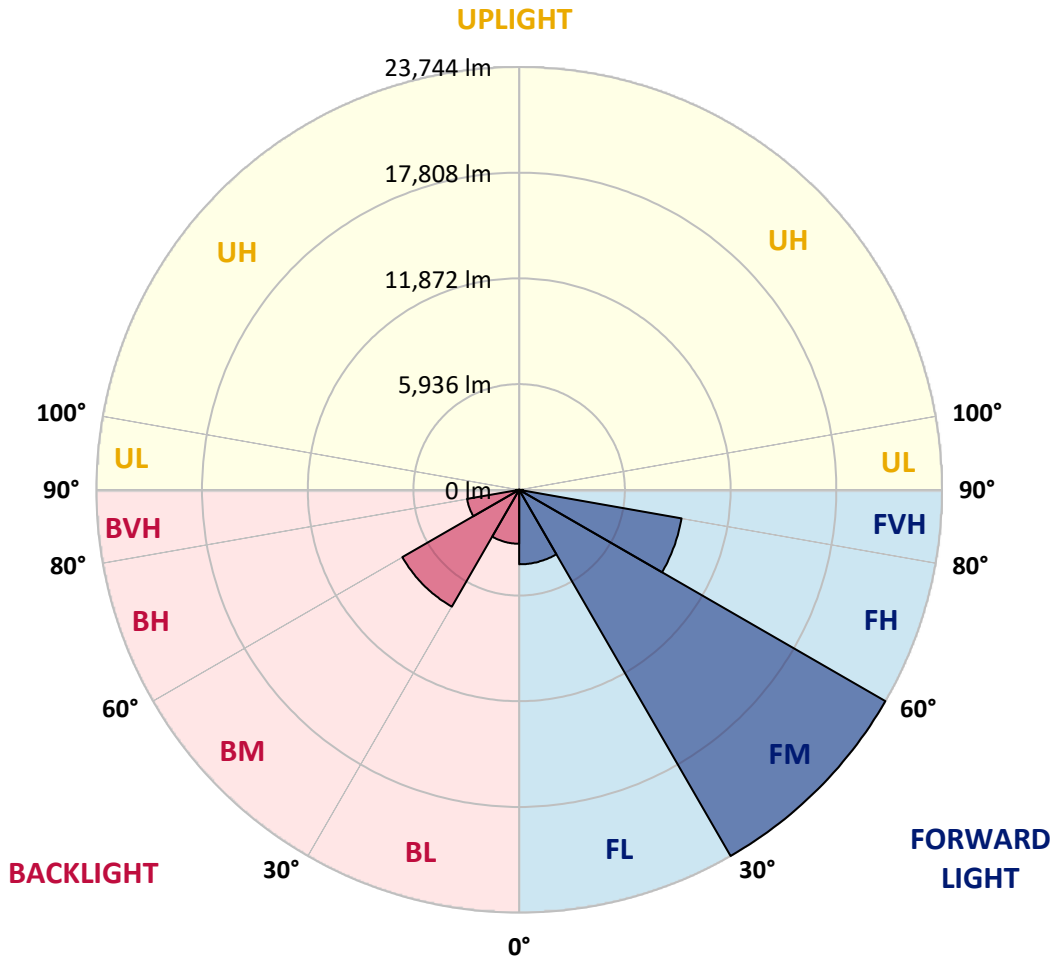
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4183.2	8.2			
FM	(30°-60°)	23743.7	46.4			
FH	(60°-80°)	9261.5	18.1			G4/12000
FVH	(80°-90°)	214.1	0.4			G2/225
BL	(0°-30°)	3029.9	5.9	B4/5000		
BM	(30°-60°)	7575.3	14.8	B4/8500		
BH	(60°-80°)	2969.6	5.8	B4/5000		G4/5000
BVH	(80°-90°)	182.8	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4
2.5°	8394.7	8418.0	8383.0	8406.3	8406.3	8371.3	8359.7	8313.0	8336.4	8324.7	8313.0
5°	8592.9	8604.5	8581.2	8616.2	8616.2	8627.8	8616.2	8557.9	8557.9	8557.9	8534.6
7.5°	8534.6	8534.6	8546.2	8662.8	8779.4	8931.0	8931.0	8907.7	8931.0	8919.3	8814.4
10°	8044.9	8091.5	8196.4	8487.9	8767.7	9094.2	9315.7	9385.7	9385.7	9397.3	9222.5
12.5°	7170.4	7205.4	7450.3	7893.3	8476.3	9070.9	9607.2	9957.0	9992.0	10050.3	9817.1
15°	6389.3	6412.6	6587.5	7042.2	7706.8	8756.1	9770.4	10493.3	10609.9	10854.8	10505.0
17.5°	6459.2	6447.6	6494.2	6669.1	7147.1	8243.1	9735.5	11122.9	11332.8	11764.2	11461.0
20°	6879.0	6879.0	6913.9	6948.9	7123.8	7870.0	9479.0	11635.9	12044.0	12883.5	12533.7
22.5°	7543.5	7543.5	7531.9	7590.2	7590.2	8033.2	9490.6	12020.7	12627.0	14131.0	13792.9
25°	8464.6	8418.0	8418.0	8441.3	8336.4	8651.2	9782.1	12417.1	13209.9	15611.7	15320.2
27.5°	9502.3	9537.3	9513.9	9432.3	9292.4	9537.3	10481.7	13035.0	13862.8	17174.1	17057.5
30°	10633.2	10644.9	10668.2	10621.6	10505.0	10679.9	11577.6	13967.8	14725.6	18806.4	19062.9
32.5°	11740.9	11904.1	11845.8	11729.2	11775.8	12090.6	12930.1	15227.0	16008.1	20322.1	21231.5
35°	13151.6	13209.9	13443.1	13011.7	13023.4	13559.7	14655.7	16882.6	17640.4	21896.0	23400.1
37.5°	15203.6	15308.6	15203.6	14527.4	14422.5	15168.7	16334.6	18514.9	19062.9	23085.3	25417.1
40°	17220.7	17348.9	17523.8	16731.0	16066.4	16684.4	17920.2	19762.4	20333.7	23738.2	26758.0
42.5°	18888.0	19097.8	18911.3	18678.1	18071.8	18188.4	19027.9	20730.1	21301.4	24566.0	28110.4
45°	20298.7	20333.7	20415.3	20252.1	19949.0	19844.0	19972.3	21581.2	22210.8	24939.1	28775.0
47.5°	20881.7	21033.3	21103.2	21383.0	21697.8	21488.0	20776.8	21977.7	22549.0	24915.8	28984.9
50°	20566.9	20718.5	21091.6	21756.1	22514.0	22887.1	21721.2	22525.6	23166.9	25335.5	29416.3
52.5°	19739.1	19902.3	20508.6	21266.4	22537.3	23388.4	23050.3	23668.3	24286.2	26081.7	30139.1
55°	17733.7	17978.5	18829.7	20088.9	21837.8	23120.3	24449.4	25347.2	26023.4	26979.5	30885.3
57.5°	14818.9	15075.4	16031.5	17920.2	20543.6	22012.6	24857.5	28495.2	28798.3	28052.1	30955.3
60°	*11099.6*	*11309.5*	*12661.9*	*14177.6*	*17255.7*	*19983.9*	*24624.3*	*31479.9*	*32249.5*	*27865.6*	*28728.4*
62.5°	8791.1	9047.6	10248.5	10948.0	13151.6	16509.5	23808.2	32307.7	32972.3	26326.6	25627.0
65°	6867.3	7042.2	8161.5	9164.2	9700.5	11274.5	20403.7	28262.0	28856.6	23819.8	21149.9
67.5°	4535.4	4803.6	6132.8	7508.5	7788.4	7170.4	14037.7	21744.5	22024.3	18934.6	15903.2
70°	3252.9	3381.2	4372.2	5841.3	6261.0	4803.6	7648.5	16462.8	16544.5	12708.6	10714.8
72.5°	2215.3	2238.6	2973.1	4477.1	4990.2	3486.1	4209.0	10843.1	10563.3	6272.7	6132.8
75°	1504.0	1527.4	1900.5	2984.8	3532.7	2425.1	2739.9	5911.2	5678.0	3462.8	3719.3
77.5°	1014.4	1037.7	1305.8	2005.4	2355.2	1678.9	2005.4	3124.7	3066.4	2296.9	1993.7
80°	769.5	804.5	967.7	1282.5	1644.0	979.4	1142.6	1480.7	1504.0	1224.2	1014.4
82.5°	431.4	478.0	583.0	652.9	1061.0	548.0	548.0	886.1	851.1	757.9	548.0
85°	186.5	198.2	233.2	244.8	431.4	233.2	198.2	384.8	396.4	373.1	174.9
87.5°	35.0	35.0	35.0	35.0	35.0	35.0	35.0	46.6	46.6	46.6	46.6
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°	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4
2.5°	8254.7	8324.7	8254.7	8219.8	8219.8	8161.5	8138.1	8138.1	8056.5	8091.5	8068.2
5°	8441.3	8464.6	8383.0	8278.1	8138.1	8021.6	7858.3	7648.5	7520.2	7508.5	7520.2
7.5°	8732.8	8744.4	8522.9	8289.7	7939.9	7520.2	7018.9	6610.8	6249.4	6191.1	6261.0
10°	9140.8	9117.5	8791.1	8243.1	7508.5	6622.4	5852.9	5479.8	5270.0	5258.3	5246.7
12.5°	9688.8	9537.3	9035.9	8044.9	6762.4	5736.3	5339.9	5316.6	5374.9	5421.5	5433.2
15°	10318.4	10120.2	9234.1	7660.1	6004.5	5409.9	5433.2	5631.4	5701.4	5748.0	5748.0
17.5°	11099.6	10843.1	9455.6	7112.1	5619.8	5479.8	5643.1	5829.6	5946.2	5992.8	5981.2
20°	12137.3	11600.9	9630.5	6587.5	5514.8	5596.4	5736.3	5922.9	6039.5	6097.8	6097.8
22.5°	13174.9	12510.4	9665.5	6226.0	5514.8	5608.1	5736.3	5922.9	6051.1	6109.4	6097.8
25°	14585.7	13676.3	9677.2	5969.5	5526.5	5549.8	5666.4	5829.6	6016.2	6074.5	6097.8
27.5°	16089.7	14958.8	9735.5	5911.2	5479.8	5468.2	5549.8	5701.4	5887.9	6039.5	6051.1
30°	17955.2	16404.5	9758.8	5969.5	5491.5	5339.9	5398.2	5549.8	5748.0	5899.6	5946.2
32.5°	19785.7	17745.4	9712.1	6097.8	5514.8	5258.3	5270.0	5363.2	5573.1	5678.0	5759.7
35°	21721.2	19167.8	9630.5	6272.7	5526.5	5223.3	5118.4	5165.0	5305.0	5316.6	5351.6
37.5°	23236.9	20228.8	9385.7	6505.9	5549.8	5095.1	4885.2	4850.2	4791.9	4675.4	4698.7
40°	24484.4	20940.0	8977.6	6622.4	5491.5	4943.5	4593.7	4430.5	4209.0	4034.1	4069.1
42.5°	25382.2	21418.0	8487.9	6645.8	5398.2	4687.0	4255.6	3975.8	3731.0	3544.4	3556.1
45°	25778.6	21371.4	7963.3	6470.9	5176.7	4372.2	3940.8	3672.7	3404.5	3206.3	3183.0
47.5°	25790.2	20916.7	7240.4	6051.1	4803.6	4010.8	3649.3	3357.9	3136.3	2996.4	2984.8
50°	25883.5	20660.2	6564.2	5444.9	4313.9	3626.0	3392.8	3101.4	2973.1	2774.9	2716.6
52.5°	26466.5	21079.9	6097.8	4780.3	3859.2	3346.2	3171.3	2914.8	2704.9	2576.7	2565.0
55°	27410.9	21802.8	5841.3	4278.9	3427.8	3078.0	2961.4	2739.9	2553.4	2425.1	2390.1
57.5°	27527.5	22175.9	5538.1	3812.6	3078.0	2868.2	2821.5	2576.7	2308.5	2215.3	2180.3
60°	*25895.2*	*21546.3*	*5165.0*	*3381.2*	*2821.5*	*2704.9*	*2681.6*	*2355.2*	*2133.6*	*2017.0*	*1970.4*
62.5°	23668.3	19972.3	4593.7	2984.8	2623.3	2541.7	2448.4	2191.9	1912.1	1783.9	1748.9
65°	19342.7	16789.3	3905.8	2716.6	2425.1	2331.8	2308.5	1958.8	1772.2	1702.2	1690.6
67.5°	14655.7	13489.7	3439.5	2518.4	2215.3	2180.3	2098.7	1982.1	1900.5	1818.8	1795.5
70°	10365.1	9735.5	2926.5	2261.9	2005.4	1947.1	2285.2	2157.0	1865.5	1760.5	1748.9
72.5°	6284.3	6109.4	2530.1	2028.7	1725.6	1818.8	2110.3	1947.1	1678.9	1550.7	1504.0
75°	3964.1	3626.0	2122.0	1725.6	1375.8	1480.7	1842.2	1737.2	1445.7	1317.5	1282.5
77.5°	2157.0	2005.4	1597.3	1410.8	1084.3	1200.9	1609.0	1434.1	1154.3	1259.2	1119.3
80°	944.4	1049.3	1061.0	816.1	722.9	886.1	1154.3	1119.3	886.1	897.8	746.2
82.5°	454.7	594.6	687.9	559.6	408.1	524.7	769.5	641.3	594.6	559.6	536.3
85°	139.9	221.5	303.1	268.2	186.5	221.5	361.4	349.8	419.7	361.4	338.1
87.5°	46.6	46.6	35.0	35.0	35.0	46.6	58.3	35.0	11.7	11.7	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°	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4
2.5°	8056.5	8068.2	8068.2	8079.9	8079.9	8114.8	8161.5	8208.1	8173.1	8219.8	8231.4
5°	7496.9	7555.2	7601.8	7776.7	7916.6	8033.2	8161.5	8278.1	8313.0	8336.4	8394.7
7.5°	6179.4	6342.6	6645.8	7042.2	7485.2	7916.6	8208.1	8511.2	8557.9	8616.2	8697.8
10°	5258.3	5328.3	5538.1	5946.2	6739.0	7590.2	8301.4	8779.4	8977.6	9094.2	9175.8
12.5°	5409.9	5363.2	5328.3	5386.6	5899.6	6995.5	8243.1	9164.2	9537.3	9665.5	9770.4
15°	5771.3	5724.7	5596.4	5433.2	5491.5	6365.9	8044.9	9525.6	10120.2	10330.1	10551.6
17.5°	5981.2	5934.6	5829.6	5654.7	5503.2	5841.3	7671.8	9852.1	11041.3	11297.8	11612.6
20°	6097.8	6051.1	5946.2	5771.3	5596.4	5643.1	7193.7	10260.1	12090.6	12498.7	12965.1
22.5°	6121.1	6062.8	5946.2	5771.3	5666.4	5631.4	6739.0	10505.0	13221.6	13851.2	14387.5
25°	6109.4	6004.5	5852.9	5724.7	5666.4	5654.7	6424.2	10644.9	14445.8	15448.5	16054.8
27.5°	6027.8	5899.6	5748.0	5654.7	5631.4	5701.4	6284.3	10808.1	15879.9	17162.4	18130.1
30°	5934.6	5748.0	5561.5	5526.5	5584.8	5806.3	6400.9	10866.4	17383.9	19027.9	20018.9
32.5°	5689.7	5549.8	5363.2	5351.6	5491.5	5887.9	6669.1	10784.8	18713.1	20893.4	22140.9
35°	5339.9	5258.3	5153.4	5188.4	5409.9	5957.9	6855.6	10528.3	19925.6	22630.6	24088.0
37.5°	4722.0	4780.3	4838.6	4920.2	5200.0	5946.2	6937.2	10120.2	20928.3	24018.0	25883.5
40°	4034.1	4232.3	4418.9	4628.7	5001.8	5852.9	6960.6	9618.9	21511.3	25067.4	27480.8
42.5°	3602.7	3789.3	4022.4	4325.6	4733.7	5643.1	6937.2	9059.2	21697.8	25790.2	28495.2
45°	3206.3	3427.8	3719.3	4034.1	4500.5	5339.9	6727.4	8452.9	21791.1	26128.4	28926.6
47.5°	2996.4	3124.7	3392.8	3707.6	4197.3	4966.8	6319.3	8009.9	21651.2	26198.3	29451.2
50°	2751.6	2926.5	3101.4	3404.5	3882.5	4500.5	5829.6	7753.4	21884.4	26886.2	30279.0
52.5°	2565.0	2658.3	2844.9	3124.7	3474.5	4069.1	5363.2	7543.5	22525.6	27585.8	31141.8
55°	2425.1	2530.1	2646.6	2879.8	3148.0	3637.7	4885.2	7228.7	23271.8	28331.9	32004.6
57.5°	2203.6	2273.6	2436.8	2681.6	2856.5	3217.9	4325.6	6855.6	23213.5	27749.0	30512.2
60°	*2005.4*	*2075.3*	*2250.2*	*2495.1*	*2600.0*	*2844.9*	*3777.6*	*6377.6*	*22094.3*	*25848.5*	*27760.6*
62.5°	1783.9	1865.5	2075.3	2250.2	2343.5	2530.1	3206.3	5503.2	19762.4	22992.0	24542.7
65°	1690.6	1737.2	1877.1	2087.0	2075.3	2250.2	2704.9	4325.6	15903.2	17570.5	18981.2
67.5°	1795.5	1865.5	1842.2	1900.5	1865.5	1958.8	2425.1	3474.5	12498.7	13233.2	14049.4
70°	1772.2	1935.4	2017.0	1900.5	1632.3	1737.2	2098.7	2774.9	8942.6	8872.7	8837.7
72.5°	1550.7	1713.9	1947.1	2063.7	1597.3	1445.7	1818.8	2401.8	5736.3	5713.0	5165.0
75°	1317.5	1434.1	1713.9	1865.5	1375.8	1165.9	1562.3	2040.4	3427.8	3474.5	3101.4
77.5°	1212.6	1154.3	1434.1	1644.0	1119.3	897.8	1259.2	1539.0	1888.8	1912.1	1772.2
80°	874.4	839.5	1072.6	1200.9	851.1	641.3	711.2	956.1	1014.4	909.4	944.4
82.5°	559.6	571.3	641.3	769.5	524.7	349.8	489.7	641.3	548.0	443.1	524.7
85°	361.4	408.1	338.1	396.4	163.2	163.2	209.9	279.8	186.5	128.3	139.9
87.5°	0.0	0.0	23.3	46.6	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

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

Scaled Data Report

REPORT NUMBER: P1501444
CATALOG NUMBER: GSS-SB6D-735-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	8231.4	8231.4	*8231.4*	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4	8231.4
2.5°	8266.4	8254.7	*8254.7*	8278.1	8336.4	8359.7	8394.7	8383.0	8418.0	8394.7
5°	8429.6	8441.3	*8476.3*	8487.9	8522.9	8569.5	8581.2	8569.5	8592.9	8592.9
7.5°	8756.1	8802.7	*8779.4*	8837.7	8791.1	8732.8	8639.5	8569.5	8511.2	8534.6
10°	9304.1	9280.8	*9269.1*	9164.2	8954.3	8651.2	8406.3	8138.1	8091.5	8044.9
12.5°	9910.4	9887.0	*9887.0*	9525.6	8931.0	8301.4	7741.7	7322.0	7182.1	7170.4
15°	10761.5	10609.9	*10470.0*	9712.1	8522.9	7450.3	6797.3	6470.9	6389.3	6389.3
17.5°	11822.5	11426.1	*11192.9*	9572.2	7858.3	6890.6	6505.9	6424.2	6400.9	6459.2
20°	13140.0	12137.3	*11799.1*	9257.4	7613.5	6960.6	6774.0	6785.7	6797.3	6879.0
22.5°	14585.7	12790.2	*12230.5*	9257.4	7858.3	7403.6	7310.3	7438.6	7473.6	7543.5
25°	16194.7	13373.1	*12615.3*	9747.1	8581.2	8243.1	8126.5	8254.7	8348.0	8464.6
27.5°	18001.9	13979.4	*13279.9*	10633.2	9513.9	9304.1	9175.8	9234.1	9362.4	9502.3
30°	19622.5	14993.8	*14294.2*	11985.7	10784.8	10528.3	10306.8	10400.0	10540.0	10633.2
32.5°	21056.6	16229.7	*15635.0*	13408.1	12242.2	11799.1	11554.3	11531.0	11810.8	11740.9
35°	22374.1	17687.1	*17115.8*	15028.8	13722.9	13174.9	12848.5	13268.2	13081.7	13151.6
37.5°	23411.7	19202.8	*18748.1*	16579.4	15261.9	14515.8	14317.5	14830.6	15122.0	15203.6
40°	24262.9	20520.3	*20042.2*	18118.5	16672.7	16124.7	16439.5	17290.6	17255.7	17220.7
42.5°	24915.8	21651.2	*21126.5*	19284.4	18025.2	18130.1	18375.0	18946.3	19086.2	18888.0
45°	25207.3	22362.4	*21942.7*	20205.5	19564.2	20170.5	20275.4	20520.3	20427.0	20298.7
47.5°	25545.4	22992.0	*22549.0*	21044.9	21231.5	21826.1	21616.2	21418.0	21079.9	20881.7
50°	26116.7	23738.2	*23365.1*	22269.1	22945.4	22747.2	21931.0	21488.0	20800.1	20566.9
52.5°	27201.0	25149.0	*24869.2*	24204.6	23749.9	22607.3	21616.2	20823.4	20053.9	19739.1
55°	28168.7	27061.1	*26897.9*	26011.8	23505.0	21872.7	20543.6	19319.4	18001.9	17733.7
57.5°	28728.4	30232.4	*30419.0*	26781.3	22385.7	20205.5	18246.7	16288.0	15040.4	14818.9
60°	*27061.1*	*33660.2*	*33753.5*	*26629.7*	*20368.7*	*17197.4*	*14212.6*	*12825.2*	*11484.3*	*11099.6*
62.5°	24764.2	32949.0	*32867.4*	25720.3	16218.0	12545.3	10796.5	10143.5	9105.9	8791.1
65°	21289.8	27445.8	*27539.1*	22222.5	10784.8	9070.9	9070.9	8243.1	7088.8	6867.3
67.5°	17348.9	21161.5	*20951.7*	14410.8	6622.4	7263.7	7613.5	6424.2	4803.6	4535.4
70°	11274.5	16159.7	*15868.2*	8313.0	4162.3	6051.1	5992.8	4826.9	3439.5	3252.9
72.5°	4850.2	9339.0	*9933.7*	4244.0	3136.3	4873.6	4780.3	3381.2	2296.9	2215.3
75°	2926.5	4698.7	*5118.4*	2704.9	2285.2	3672.7	3311.2	2145.3	1562.3	1504.0
77.5°	1853.8	2576.7	*2553.4*	2028.7	1713.9	2483.4	2226.9	1480.7	1061.0	1014.4
80°	1072.6	1270.9	*1317.5*	1270.9	1154.3	1772.2	1422.4	1072.6	827.8	769.5
82.5°	687.9	792.8	*804.5*	617.9	641.3	1142.6	769.5	629.6	478.0	431.4
85°	303.1	338.1	*326.5*	209.9	209.9	466.4	268.2	256.5	186.5	186.5
87.5°	11.7	23.3	*11.7*	11.7	11.7	46.6	23.3	35.0	35.0	35.0
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

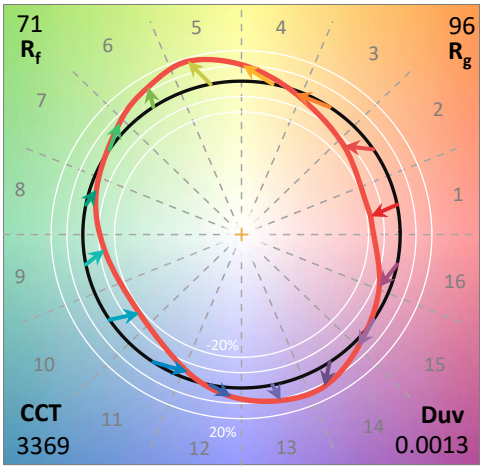
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

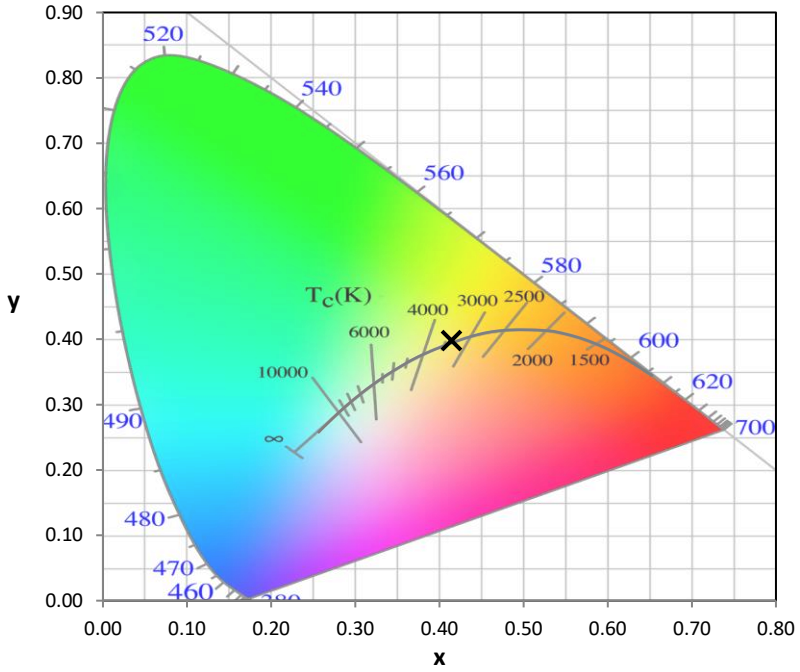
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

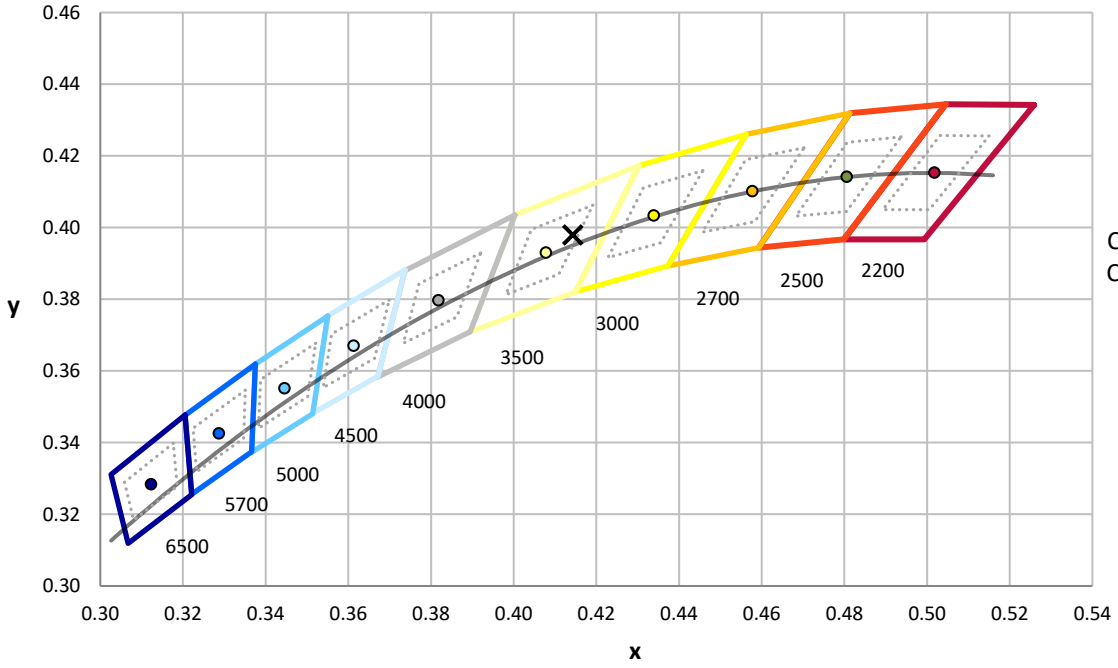
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

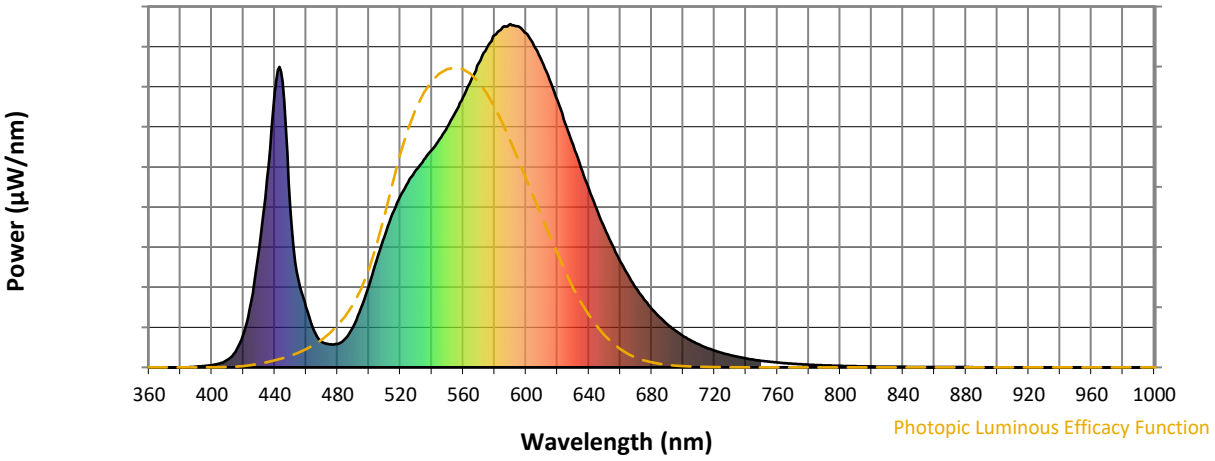


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

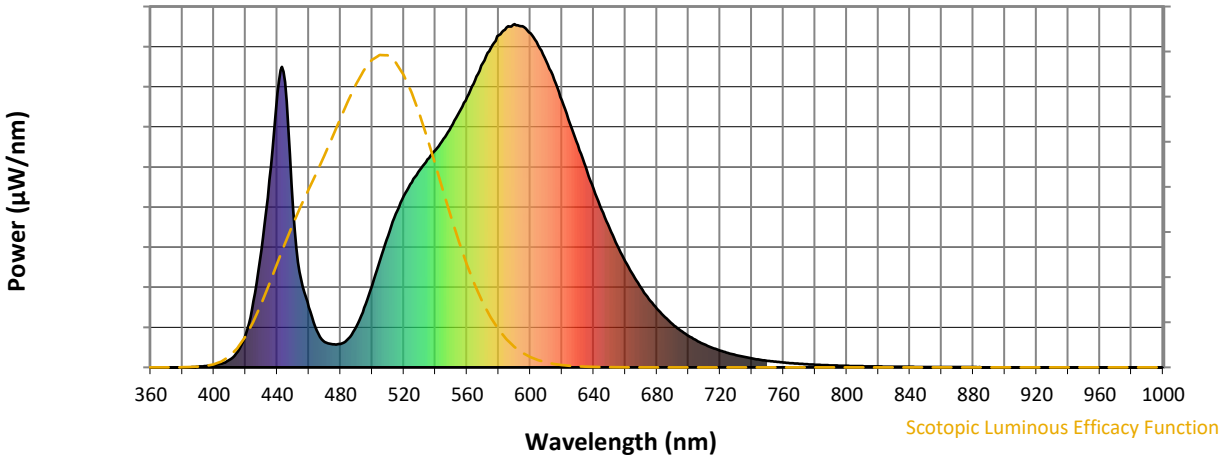


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

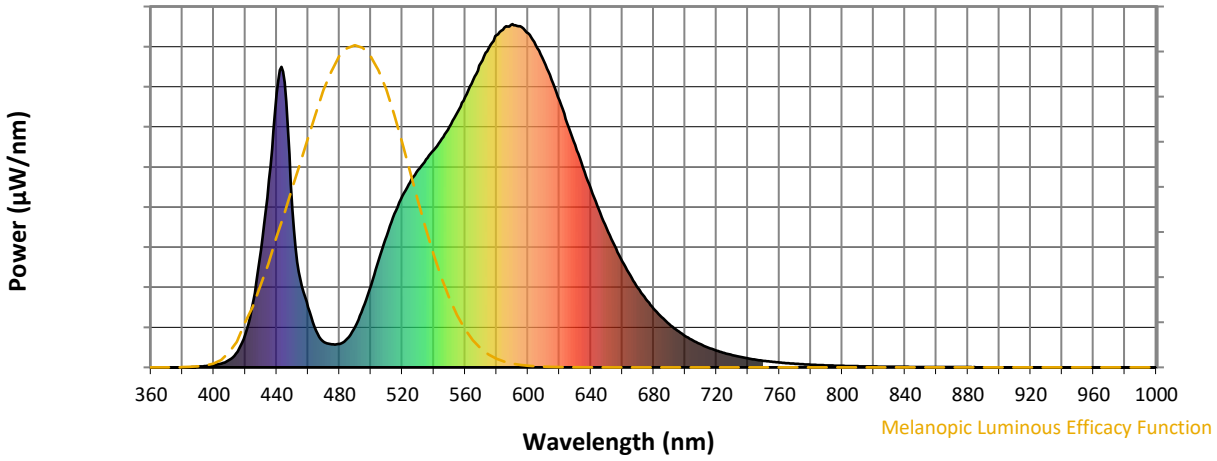


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

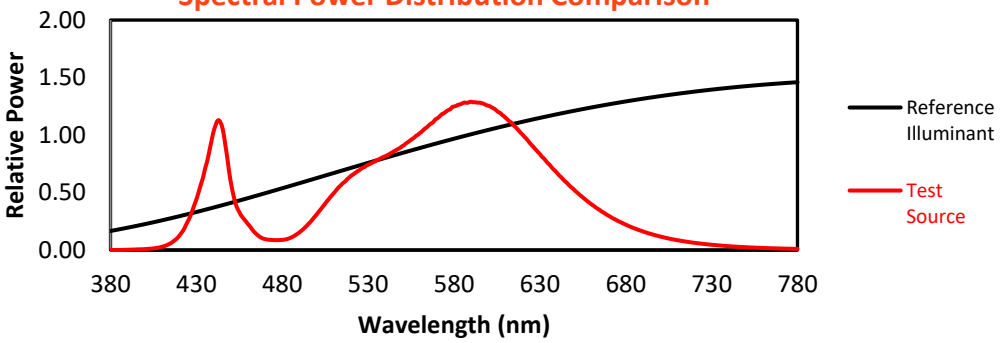
REPORT NUMBER: SP1-2407-184-5

TM-30-18

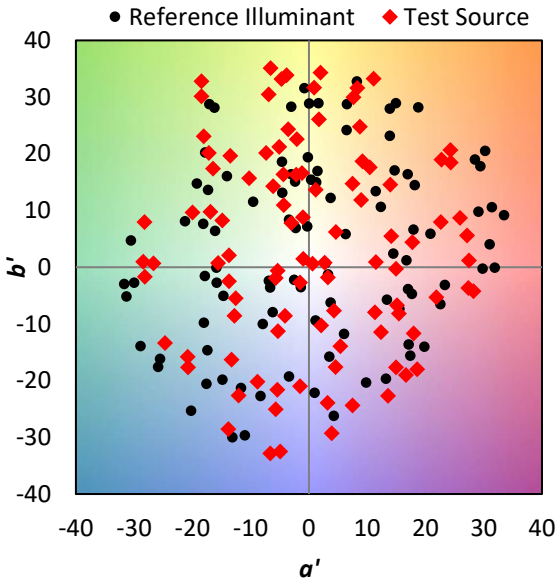
Summary

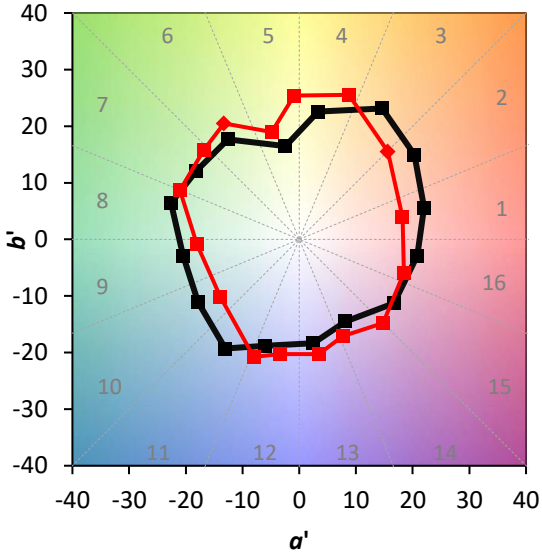
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

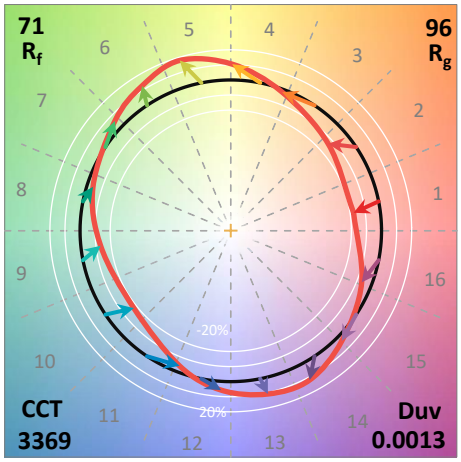
Spectral Power Distribution Comparison

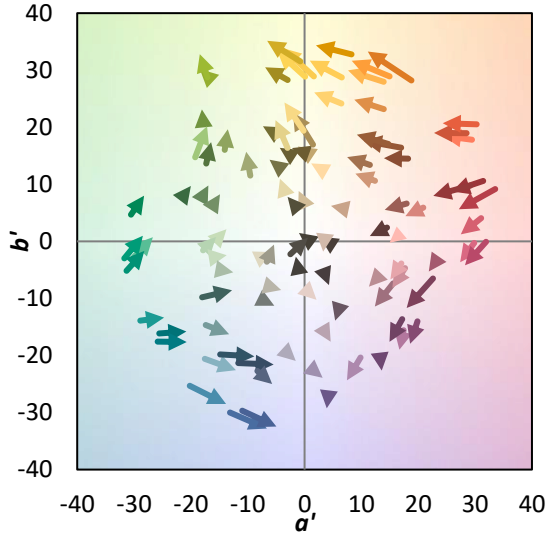


Color Vector Graphics







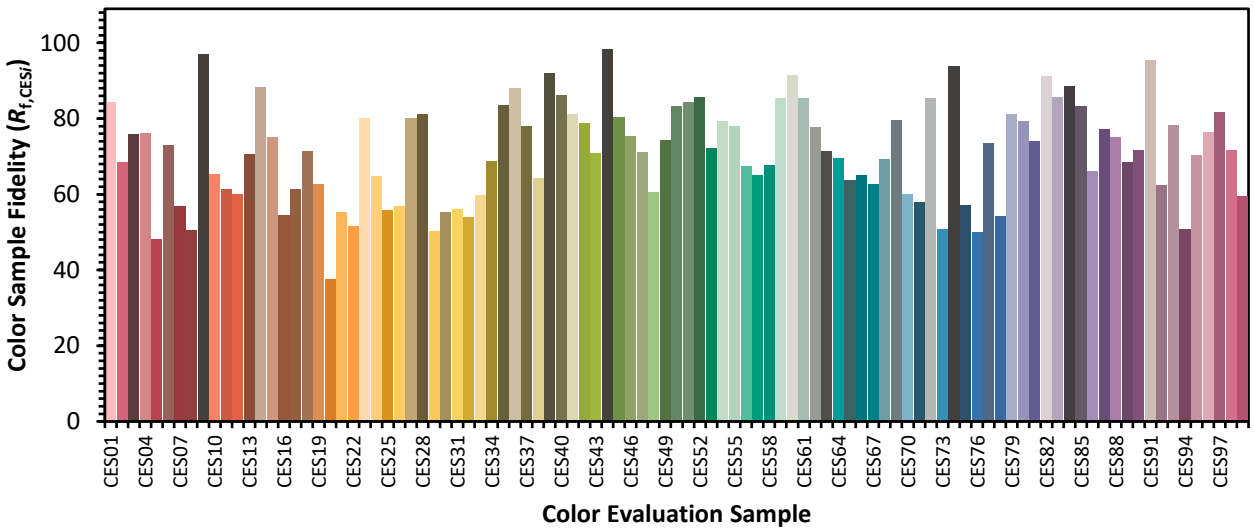


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

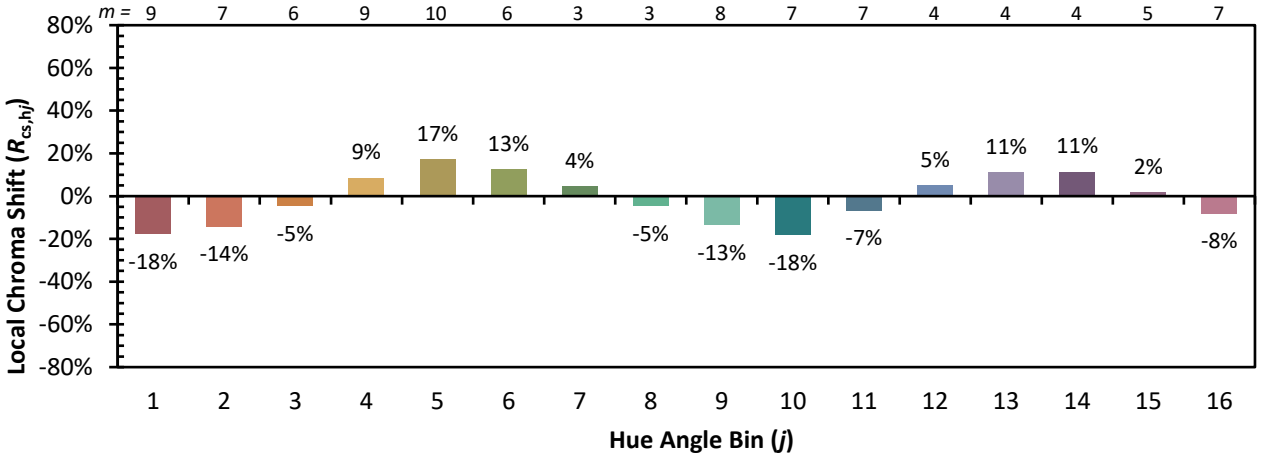
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

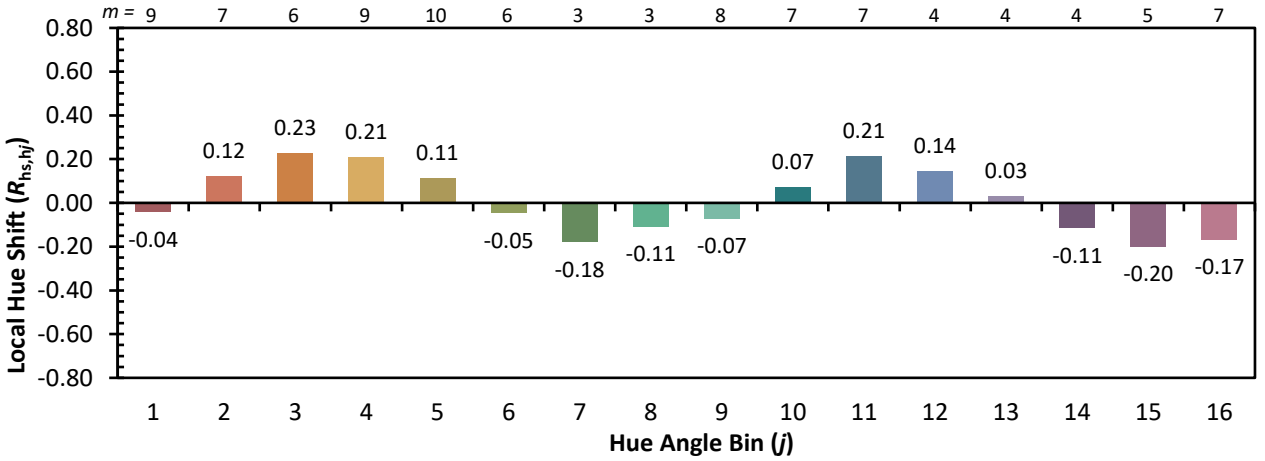


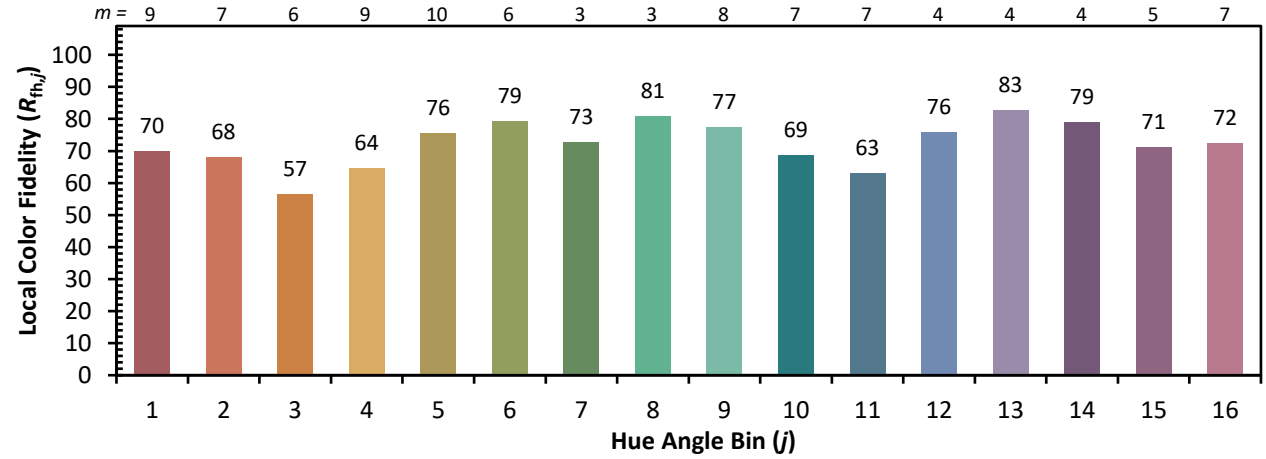
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



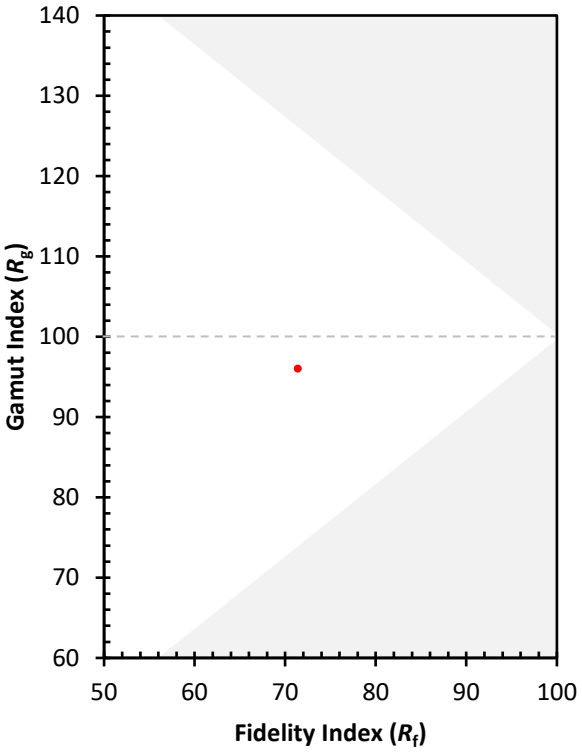


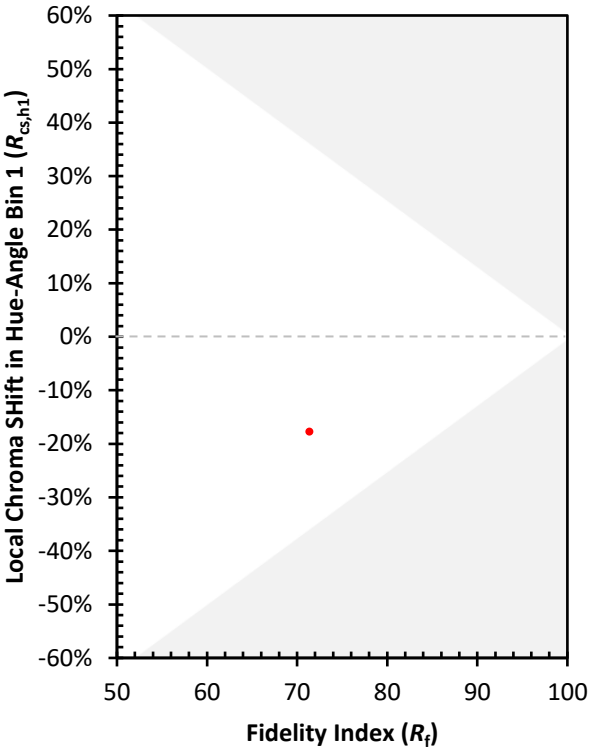


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)