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: P1501371

Luminaire Tested: GSS-SB6C-722-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:	P1501371
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	35735.5 lumens
Efficiency:	N/A
Efficacy:	119.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

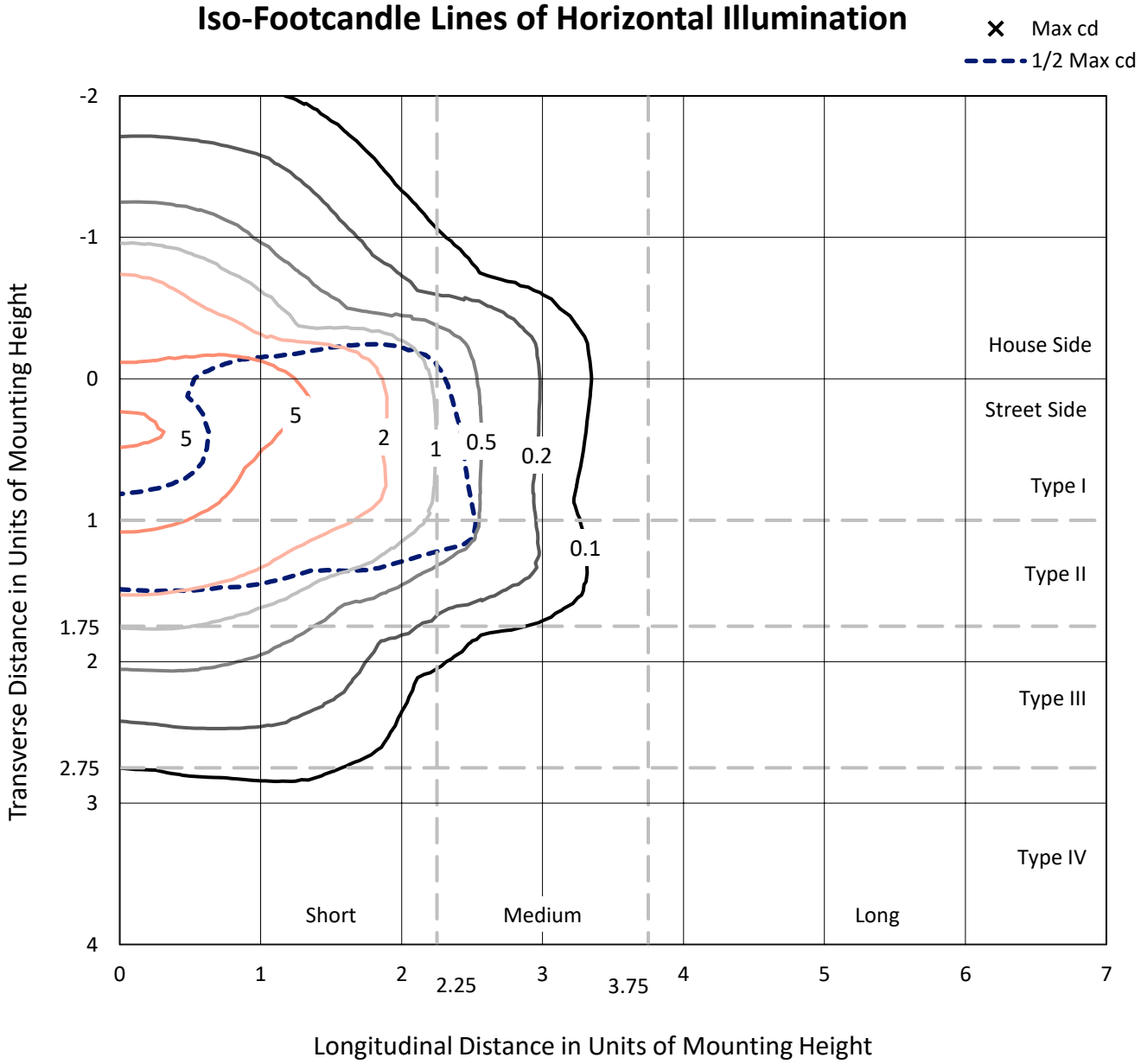
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



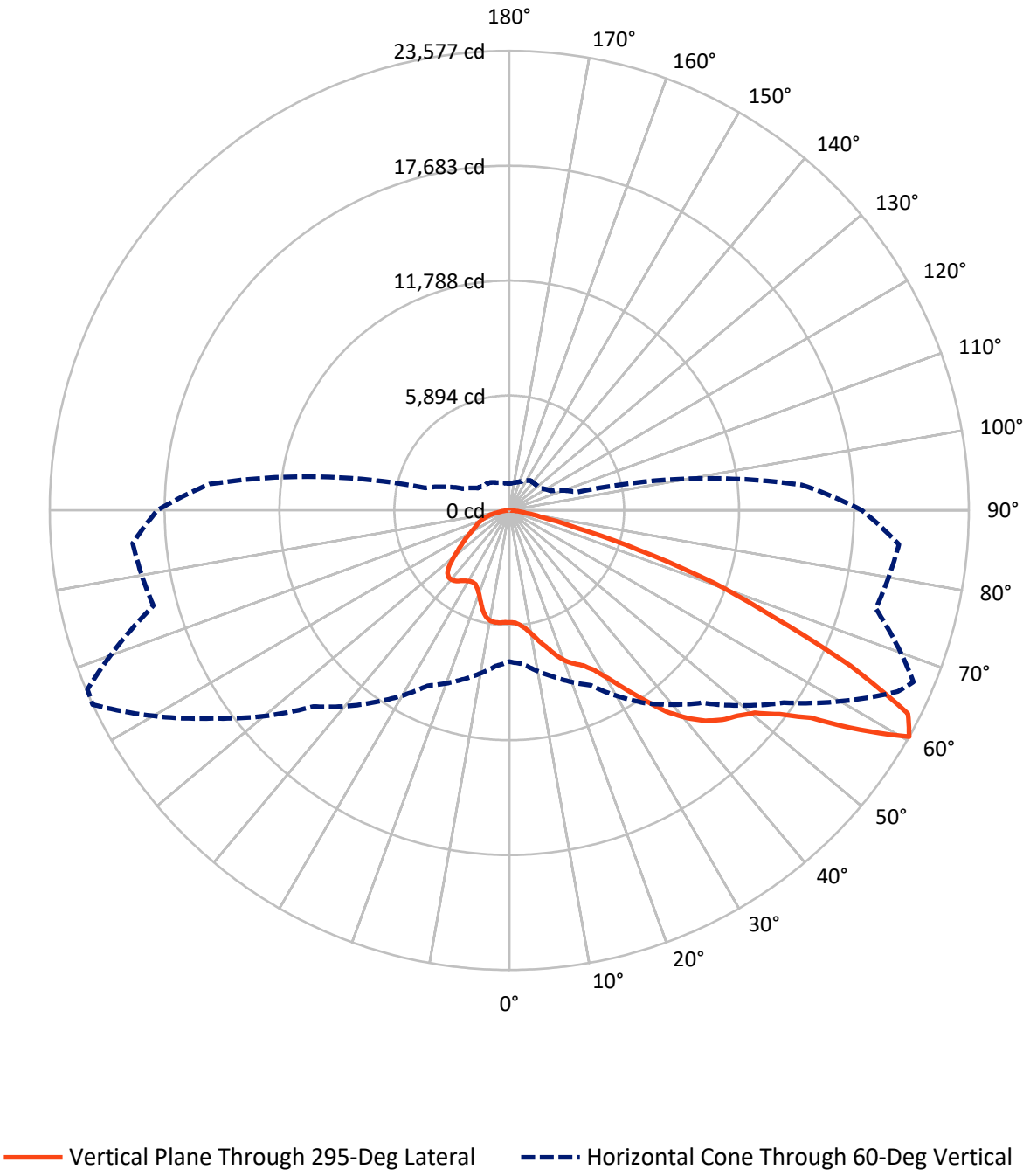
Based on 30 foot mounting height. Maximum calculated value = 9.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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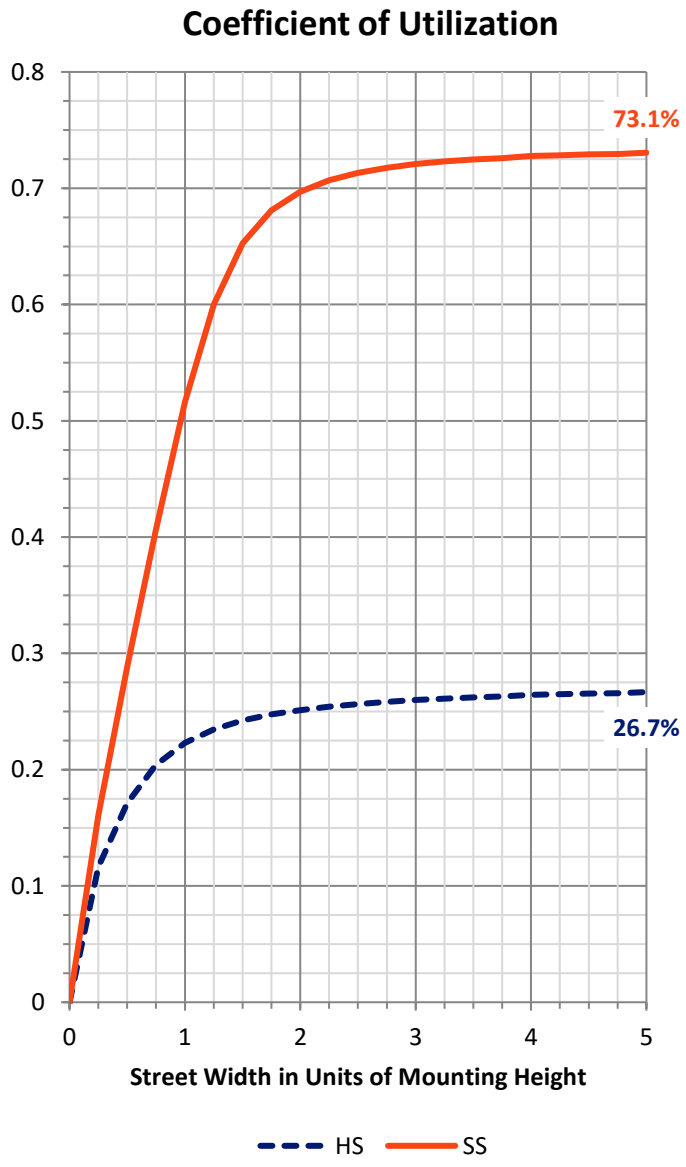
REPORT NUMBER: P1501371
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9609.7	0.0	9609.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	26125.8	0.0	26125.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	35735.5	0.0	35735.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.6	1.5
10°-20°	1554.1	4.3
20°-30°	2943.7	8.2
30°-40°	5189.5	14.5
40°-50°	7674.7	21.5
50°-60°	9012.2	25.2
60°-70°	6529.8	18.3
70°-80°	2013.7	5.6
80°-90°	277.2	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°	35735.5	100.0
0°-180°	35735.5	100.0



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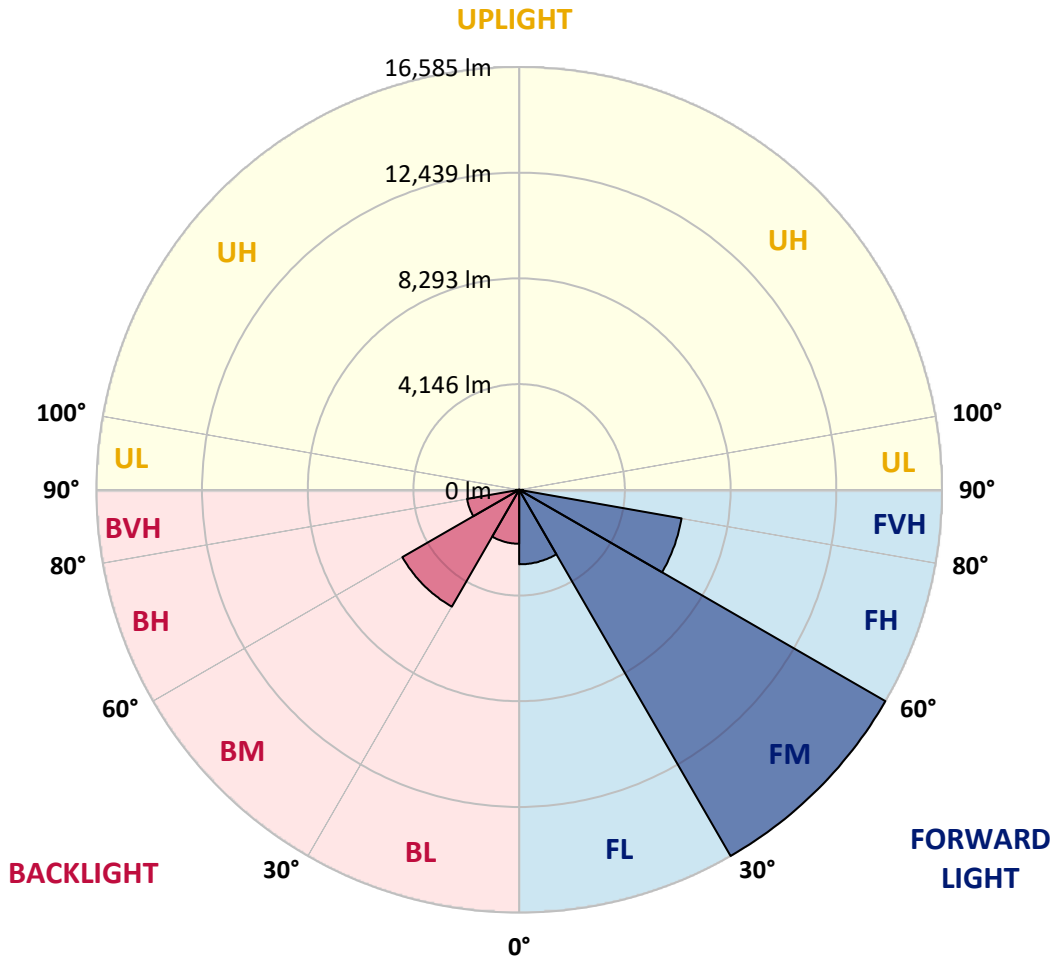
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2922.0	8.2			
FM	(30°-60°)	16585.1	46.4			
FH	(60°-80°)	6469.2	18.1			G3/7500
FVH	(80°-90°)	149.5	0.4			G2/225
BL	(0°-30°)	2116.4	5.9	B3/2500		
BM	(30°-60°)	5291.4	14.8	B4/8500		
BH	(60°-80°)	2074.3	5.8	B3/2500		G3/2500
BVH	(80°-90°)	127.7	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-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7
2.5°	5863.7	5880.0	5855.5	5871.8	5871.8	5847.4	5839.3	5806.7	5823.0	5814.8	5806.7
5°	6002.1	6010.3	5994.0	6018.4	6018.4	6026.6	6018.4	5977.7	5977.7	5977.7	5961.4
7.5°	5961.4	5961.4	5969.6	6051.0	6132.4	6238.3	6238.3	6222.0	6238.3	6230.2	6156.9
10°	5619.4	5651.9	5725.2	5928.8	6124.3	6352.3	6507.1	6555.9	6555.9	6564.1	6441.9
12.5°	5008.6	5033.0	5204.0	5513.5	5920.7	6336.0	6710.7	6955.0	6979.4	7020.1	6857.3
15°	4462.9	4479.2	4601.4	4919.0	5383.2	6116.2	6824.7	7329.6	7411.1	7582.1	7337.8
17.5°	4511.8	4503.6	4536.2	4658.4	4992.3	5757.8	6800.3	7769.4	7916.0	8217.3	8005.6
20°	4805.0	4805.0	4829.4	4853.8	4976.0	5497.2	6621.1	8127.7	8412.8	8999.1	8754.8
22.5°	5269.2	5269.2	5261.0	5301.8	5301.8	5611.2	6629.2	8396.5	8820.0	9870.5	9634.4
25°	5912.6	5880.0	5880.0	5896.3	5823.0	6042.9	6832.8	8673.4	9227.2	10904.8	10701.2
27.5°	6637.4	6661.8	6645.5	6588.5	6490.8	6661.8	7321.5	9105.0	9683.2	11996.1	11914.7
30°	7427.3	7435.5	7451.8	7419.2	7337.8	7459.9	8087.0	9756.5	10285.9	13136.3	13315.5
32.5°	8201.0	8315.0	8274.3	8192.9	8225.5	8445.3	9031.7	10636.1	11181.7	14195.0	14830.3
35°	9186.4	9227.2	9390.0	9088.7	9096.9	9471.5	10237.0	11792.5	12321.9	15294.5	16345.0
37.5°	10619.8	10693.1	10619.8	10147.4	10074.1	10595.4	11409.8	12932.7	13315.5	16125.2	17754.0
40°	12028.7	12118.3	12240.5	11686.7	11222.5	11654.1	12517.4	13804.1	14203.2	16581.2	18690.5
42.5°	13193.3	13339.9	13209.6	13046.7	12623.2	12704.7	13291.0	14480.1	14879.1	17159.4	19635.2
45°	14178.7	14203.2	14260.2	14146.2	13934.4	13861.1	13950.7	15074.6	15514.3	17420.0	20099.4
47.5°	14585.9	14691.8	14740.7	14936.1	15156.0	15009.4	14512.6	15351.5	15750.5	17403.8	20246.0
50°	14366.0	14471.9	14732.5	15196.7	15726.1	15986.7	15172.3	15734.2	16182.2	17696.9	20547.4
52.5°	13787.8	13901.8	14325.3	14854.7	15742.4	16336.9	16100.7	16532.4	16964.0	18218.2	21052.3
55°	12387.0	12558.1	13152.6	14032.1	15253.7	16149.6	17078.0	17705.1	18177.4	18845.3	21573.5
57.5°	10351.0	10530.2	11198.0	12517.4	14349.8	15375.9	17363.0	19904.0	20115.7	19594.5	21622.4
60°	*7753.1*	*7899.7*	*8844.4*	*9903.1*	*12053.1*	*13958.8*	*17200.2*	*21988.8*	*22526.3*	*19464.2*	*20066.9*
62.5°	6140.6	6319.8	7158.6	7647.2	9186.4	11531.9	16630.1	22567.1	23031.3	18389.2	17900.5
65°	4796.8	4919.0	5700.8	6401.2	6775.8	7875.3	14252.0	19741.1	20156.4	16638.2	14773.2
67.5°	3168.0	3355.3	4283.8	5244.7	5440.2	5008.6	9805.4	15188.6	15384.0	13225.9	11108.4
70°	2272.2	2361.8	3054.0	4080.2	4373.3	3355.3	5342.5	11499.3	11556.4	8877.0	7484.4
72.5°	1547.4	1563.7	2076.7	3127.3	3485.6	2435.1	2940.0	7573.9	7378.5	4381.5	4283.8
75°	1050.6	1066.9	1327.5	2084.9	2467.6	1694.0	1913.8	4129.0	3966.1	2418.8	2597.9
77.5°	708.5	724.8	912.1	1400.8	1645.1	1172.7	1400.8	2182.6	2141.9	1604.4	1392.6
80°	537.5	561.9	676.0	895.8	1148.3	684.1	798.1	1034.3	1050.6	855.1	708.5
82.5°	301.3	333.9	407.2	456.1	741.1	382.8	382.8	618.9	594.5	529.4	382.8
85°	130.3	138.4	162.9	171.0	301.3	162.9	138.4	268.8	276.9	260.6	122.2
87.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	32.6	32.6	32.6	32.6
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°	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7
2.5°	5766.0	5814.8	5766.0	5741.5	5741.5	5700.8	5684.5	5684.5	5627.5	5651.9	5635.7
5°	5896.3	5912.6	5855.5	5782.3	5684.5	5603.1	5489.1	5342.5	5252.9	5244.7	5252.9
7.5°	6099.9	6108.0	5953.3	5790.4	5546.1	5252.9	4902.7	4617.7	4365.2	4324.5	4373.3
10°	6384.9	6368.6	6140.6	5757.8	5244.7	4625.8	4088.3	3827.7	3681.1	3673.0	3664.8
12.5°	6767.7	6661.8	6311.6	5619.4	4723.5	4006.9	3730.0	3713.7	3754.4	3787.0	3795.1
15°	7207.5	7069.0	6450.1	5350.6	4194.2	3778.8	3795.1	3933.6	3982.4	4015.0	4015.0
17.5°	7753.1	7573.9	6604.8	4967.8	3925.4	3827.7	3941.7	4072.0	4153.4	4186.0	4177.9
20°	8477.9	8103.3	6727.0	4601.4	3852.1	3909.1	4006.9	4137.2	4218.6	4259.3	4259.3
22.5°	9202.7	8738.5	6751.4	4348.9	3852.1	3917.3	4006.9	4137.2	4226.7	4267.5	4259.3
25°	10188.2	9552.9	6759.5	4169.7	3860.3	3876.6	3958.0	4072.0	4202.3	4243.0	4259.3
27.5°	11238.7	10448.8	6800.3	4129.0	3827.7	3819.5	3876.6	3982.4	4112.7	4218.6	4226.7
30°	12541.8	11458.6	6816.5	4169.7	3835.8	3730.0	3770.7	3876.6	4015.0	4120.9	4153.4
32.5°	13820.4	12395.2	6784.0	4259.3	3852.1	3673.0	3681.1	3746.2	3892.8	3966.1	4023.1
35°	15172.3	13388.8	6727.0	4381.5	3860.3	3648.5	3575.2	3607.8	3705.5	3713.7	3738.1
37.5°	16231.0	14129.9	6555.9	4544.4	3876.6	3558.9	3412.3	3387.9	3347.2	3265.8	3282.0
40°	17102.4	14626.7	6270.9	4625.8	3835.8	3453.1	3208.7	3094.7	2940.0	2817.8	2842.3
42.5°	17729.5	14960.6	5928.8	4642.1	3770.7	3273.9	2972.6	2777.1	2606.1	2475.8	2483.9
45°	18006.4	14928.0	5562.4	4519.9	3615.9	3054.0	2752.7	2565.4	2378.1	2239.6	2223.3
47.5°	18014.6	14610.4	5057.4	4226.7	3355.3	2801.5	2549.1	2345.5	2190.7	2093.0	2084.9
50°	18079.7	14431.2	4585.1	3803.3	3013.3	2532.8	2369.9	2166.3	2076.7	1938.3	1897.6
52.5°	18486.9	14724.4	4259.3	3339.0	2695.7	2337.3	2215.2	2036.0	1889.4	1799.8	1791.7
55°	19146.6	15229.3	4080.2	2988.9	2394.3	2150.0	2068.6	1913.8	1783.5	1694.0	1669.5
57.5°	19228.0	15489.9	3868.4	2663.1	2150.0	2003.4	1970.9	1799.8	1612.5	1547.4	1522.9
60°	*18087.9*	*15050.1*	*3607.8*	*2361.8*	*1970.9*	*1889.4*	*1873.1*	*1645.1*	*1490.4*	*1408.9*	*1376.3*
62.5°	16532.4	13950.7	3208.7	2084.9	1832.4	1775.4	1710.2	1531.1	1335.6	1246.0	1221.6
65°	13510.9	11727.4	2728.2	1897.6	1694.0	1628.8	1612.5	1368.2	1237.9	1189.0	1180.9
67.5°	10237.0	9422.6	2402.5	1759.1	1547.4	1522.9	1465.9	1384.5	1327.5	1270.5	1254.2
70°	7240.0	6800.3	2044.1	1579.9	1400.8	1360.1	1596.2	1506.6	1303.0	1229.7	1221.6
72.5°	4389.6	4267.5	1767.3	1417.1	1205.3	1270.5	1474.1	1360.1	1172.7	1083.2	1050.6
75°	2769.0	2532.8	1482.2	1205.3	961.0	1034.3	1286.8	1213.5	1009.9	920.3	895.8
77.5°	1506.6	1400.8	1115.7	985.4	757.4	838.8	1123.9	1001.7	806.3	879.6	781.8
80°	659.7	733.0	741.1	570.1	504.9	618.9	806.3	781.8	618.9	627.1	521.2
82.5°	317.6	415.3	480.5	390.9	285.0	366.5	537.5	447.9	415.3	390.9	374.6
85°	97.7	154.7	211.7	187.3	130.3	154.7	252.5	244.3	293.2	252.5	236.2
87.5°	32.6	32.6	24.4	24.4	24.4	32.6	40.7	24.4	8.1	8.1	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°	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7
2.5°	5627.5	5635.7	5635.7	5643.8	5643.8	5668.2	5700.8	5733.4	5709.0	5741.5	5749.7
5°	5236.6	5277.3	5309.9	5432.1	5529.8	5611.2	5700.8	5782.3	5806.7	5823.0	5863.7
7.5°	4316.3	4430.3	4642.1	4919.0	5228.5	5529.8	5733.4	5945.1	5977.7	6018.4	6075.4
10°	3673.0	3721.8	3868.4	4153.4	4707.2	5301.8	5798.5	6132.4	6270.9	6352.3	6409.3
12.5°	3778.8	3746.2	3721.8	3762.5	4120.9	4886.4	5757.8	6401.2	6661.8	6751.4	6824.7
15°	4031.3	3998.7	3909.1	3795.1	3835.8	4446.6	5619.4	6653.7	7069.0	7215.6	7370.3
17.5°	4177.9	4145.3	4072.0	3949.8	3844.0	4080.2	5358.8	6881.7	7712.4	7891.6	8111.4
20°	4259.3	4226.7	4153.4	4031.3	3909.1	3941.7	5024.9	7166.7	8445.3	8730.4	9056.1
22.5°	4275.6	4234.9	4153.4	4031.3	3958.0	3933.6	4707.2	7337.8	9235.3	9675.1	10049.7
25°	4267.5	4194.2	4088.3	3998.7	3958.0	3949.8	4487.4	7435.5	10090.4	10790.8	11214.3
27.5°	4210.5	4120.9	4015.0	3949.8	3933.6	3982.4	4389.6	7549.5	11092.1	11988.0	12663.9
30°	4145.3	4015.0	3884.7	3860.3	3901.0	4055.7	4471.1	7590.2	12142.7	13291.0	13983.3
32.5°	3974.3	3876.6	3746.2	3738.1	3835.8	4112.7	4658.4	7533.2	13071.1	14594.1	15465.5
35°	3730.0	3673.0	3599.7	3624.1	3778.8	4161.6	4788.7	7354.0	13918.1	15807.5	16825.5
37.5°	3298.3	3339.0	3379.8	3436.8	3632.2	4153.4	4845.7	7069.0	14618.5	16776.7	18079.7
40°	2817.8	2956.3	3086.6	3233.2	3493.8	4088.3	4862.0	6718.8	15025.7	17509.6	19195.4
42.5°	2516.5	2646.8	2809.7	3021.4	3306.5	3941.7	4845.7	6327.9	15156.0	18014.6	19904.0
45°	2239.6	2394.3	2597.9	2817.8	3143.6	3730.0	4699.1	5904.4	15221.2	18250.7	20205.3
47.5°	2093.0	2182.6	2369.9	2589.8	2931.8	3469.4	4414.1	5594.9	15123.4	18299.6	20571.8
50°	1922.0	2044.1	2166.3	2378.1	2712.0	3143.6	4072.0	5415.8	15286.3	18780.1	21150.0
52.5°	1791.7	1856.8	1987.1	2182.6	2426.9	2842.3	3746.2	5269.2	15734.2	19268.7	21752.7
55°	1694.0	1767.3	1848.7	2011.6	2198.9	2540.9	3412.3	5049.3	16255.5	19790.0	22355.3
57.5°	1539.2	1588.1	1702.1	1873.1	1995.3	2247.7	3021.4	4788.7	16214.7	19382.8	21312.9
60°	*1400.8*	*1449.6*	*1571.8*	*1742.8*	*1816.1*	*1987.1*	*2638.7*	*4454.8*	*15432.9*	*18055.3*	*19390.9*
62.5°	1246.0	1303.0	1449.6	1571.8	1636.9	1767.3	2239.6	3844.0	13804.1	16060.0	17143.2
65°	1180.9	1213.5	1311.2	1457.8	1449.6	1571.8	1889.4	3021.4	11108.4	12273.0	13258.5
67.5°	1254.2	1303.0	1286.8	1327.5	1303.0	1368.2	1694.0	2426.9	8730.4	9243.5	9813.5
70°	1237.9	1351.9	1408.9	1327.5	1140.2	1213.5	1465.9	1938.3	6246.5	6197.6	6173.2
72.5°	1083.2	1197.2	1360.1	1441.5	1115.7	1009.9	1270.5	1677.7	4006.9	3990.6	3607.8
75°	920.3	1001.7	1197.2	1303.0	961.0	814.4	1091.3	1425.2	2394.3	2426.9	2166.3
77.5°	847.0	806.3	1001.7	1148.3	781.8	627.1	879.6	1075.0	1319.3	1335.6	1237.9
80°	610.8	586.4	749.2	838.8	594.5	447.9	496.8	667.8	708.5	635.2	659.7
82.5°	390.9	399.1	447.9	537.5	366.5	244.3	342.0	447.9	382.8	309.5	366.5
85°	252.5	285.0	236.2	276.9	114.0	114.0	146.6	195.5	130.3	89.6	97.7
87.5°	0.0	0.0	16.3	32.6	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: P1501371
CATALOG NUMBER: GSS-SB6C-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5749.7	5749.7	*5749.7*	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7	5749.7
2.5°	5774.1	5766.0	*5766.0*	5782.3	5823.0	5839.3	5863.7	5855.5	5880.0	5863.7
5°	5888.1	5896.3	*5920.7*	5928.8	5953.3	5985.9	5994.0	5985.9	6002.1	6002.1
7.5°	6116.2	6148.7	*6132.4*	6173.2	6140.6	6099.9	6034.7	5985.9	5945.1	5961.4
10°	6498.9	6482.6	*6474.5*	6401.2	6254.6	6042.9	5871.8	5684.5	5651.9	5619.4
12.5°	6922.4	6906.1	*6906.1*	6653.7	6238.3	5798.5	5407.6	5114.4	5016.7	5008.6
15°	7516.9	7411.1	*7313.3*	6784.0	5953.3	5204.0	4748.0	4519.9	4462.9	4462.9
17.5°	8258.0	7981.1	*7818.3*	6686.2	5489.1	4813.1	4544.4	4487.4	4471.1	4511.8
20°	9178.3	8477.9	*8241.7*	6466.3	5318.0	4862.0	4731.7	4739.8	4748.0	4805.0
22.5°	10188.2	8934.0	*8543.1*	6466.3	5489.1	5171.4	5106.3	5195.9	5220.3	5269.2
25°	11312.0	9341.2	*8811.8*	6808.4	5994.0	5757.8	5676.4	5766.0	5831.1	5912.6
27.5°	12574.4	9764.7	*9276.0*	7427.3	6645.5	6498.9	6409.3	6450.1	6539.6	6637.4
30°	13706.4	10473.2	*9984.6*	8372.0	7533.2	7354.0	7199.3	7264.5	7362.2	7427.3
32.5°	14708.1	11336.5	*10921.1*	9365.6	8551.2	8241.7	8070.7	8054.4	8249.9	8201.0
35°	15628.4	12354.5	*11955.4*	10497.6	9585.5	9202.7	8974.7	9267.9	9137.6	9186.4
37.5°	16353.2	13413.2	*13095.6*	11580.8	10660.5	10139.3	10000.9	10359.2	10562.8	10619.8
40°	16947.7	14333.5	*13999.6*	12655.8	11645.9	11263.2	11483.1	12077.6	12053.1	12028.7
42.5°	17403.8	15123.4	*14757.0*	13470.2	12590.6	12663.9	12835.0	13234.0	13331.8	13193.3
45°	17607.4	15620.2	*15327.0*	14113.6	13665.7	14089.1	14162.4	14333.5	14268.3	14178.7
47.5°	17843.5	16060.0	*15750.5*	14699.9	14830.3	15245.6	15099.0	14960.6	14724.4	14585.9
50°	18242.6	16581.2	*16320.6*	15555.1	16027.4	15889.0	15318.9	15009.4	14528.9	14366.0
52.5°	19000.0	17566.6	*17371.2*	16907.0	16589.4	15791.2	15099.0	14545.2	14007.7	13787.8
55°	19675.9	18902.3	*18788.2*	18169.3	16418.3	15278.2	14349.8	13494.6	12574.4	12387.0
57.5°	20066.9	21117.4	*21247.7*	18706.8	15636.5	14113.6	12745.4	11377.2	10505.8	10351.0
60°	*18902.3*	*23511.8*	*23576.9*	*18600.9*	*14227.6*	*12012.4*	*9927.6*	*8958.4*	*8021.9*	*7753.1*
62.5°	17297.9	23015.0	*22958.0*	17965.7	11328.3	8763.0	7541.4	7085.3	6360.5	6140.6
65°	14871.0	19171.0	*19236.2*	15522.5	7533.2	6336.0	6336.0	5757.8	4951.6	4796.8
67.5°	12118.3	14781.4	*14634.8*	10066.0	4625.8	5073.7	5318.0	4487.4	3355.3	3168.0
70°	7875.3	11287.6	*11084.0*	5806.7	2907.4	4226.7	4186.0	3371.6	2402.5	2272.2
72.5°	3387.9	6523.4	*6938.7*	2964.4	2190.7	3404.2	3339.0	2361.8	1604.4	1547.4
75°	2044.1	3282.0	*3575.2*	1889.4	1596.2	2565.4	2312.9	1498.5	1091.3	1050.6
77.5°	1294.9	1799.8	*1783.5*	1417.1	1197.2	1734.7	1555.5	1034.3	741.1	708.5
80°	749.2	887.7	*920.3*	887.7	806.3	1237.9	993.6	749.2	578.2	537.5
82.5°	480.5	553.8	*561.9*	431.6	447.9	798.1	537.5	439.8	333.9	301.3
85°	211.7	236.2	*228.0*	146.6	146.6	325.8	187.3	179.2	130.3	130.3
87.5°	8.1	16.3	*8.1*	8.1	8.1	32.6	16.3	24.4	24.4	24.4
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

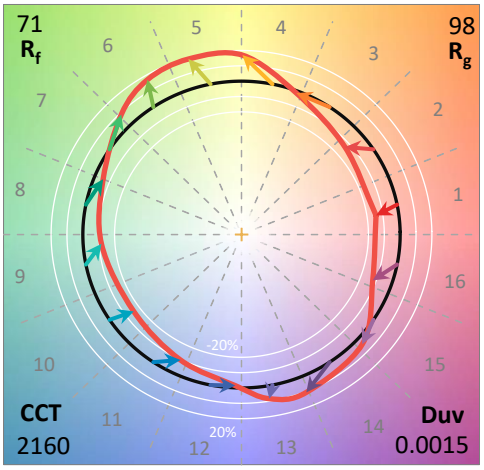
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

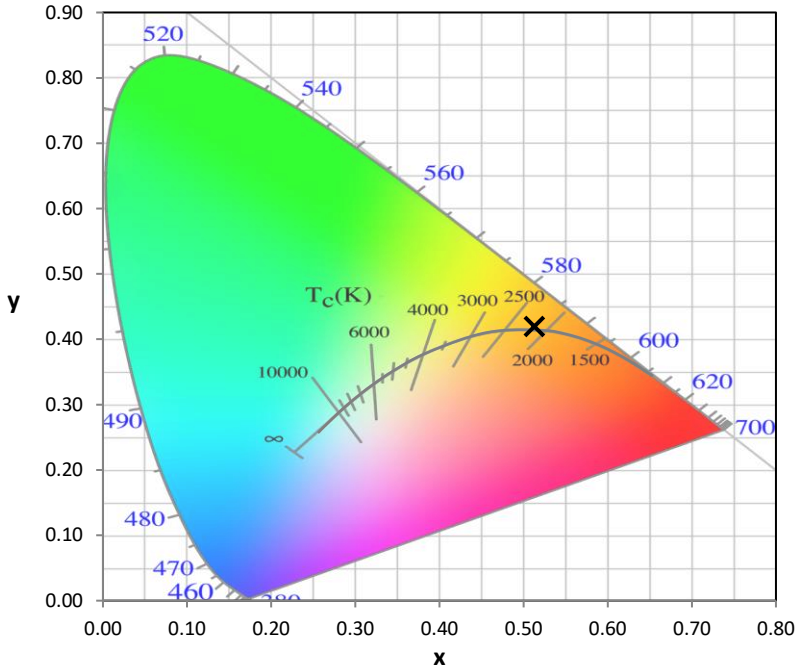
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

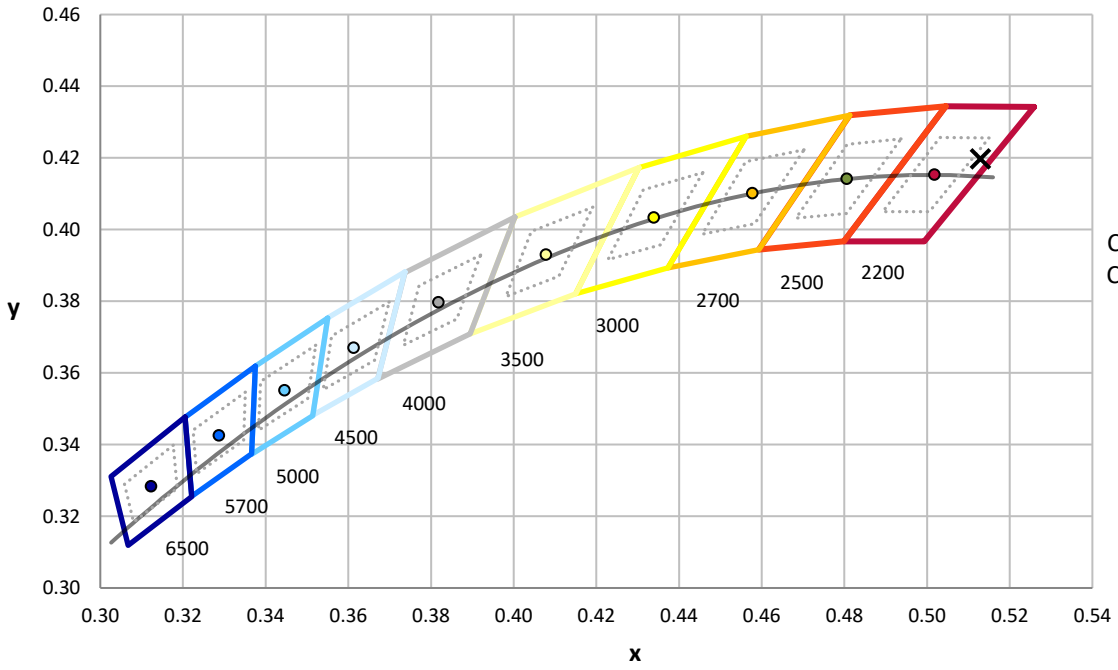
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

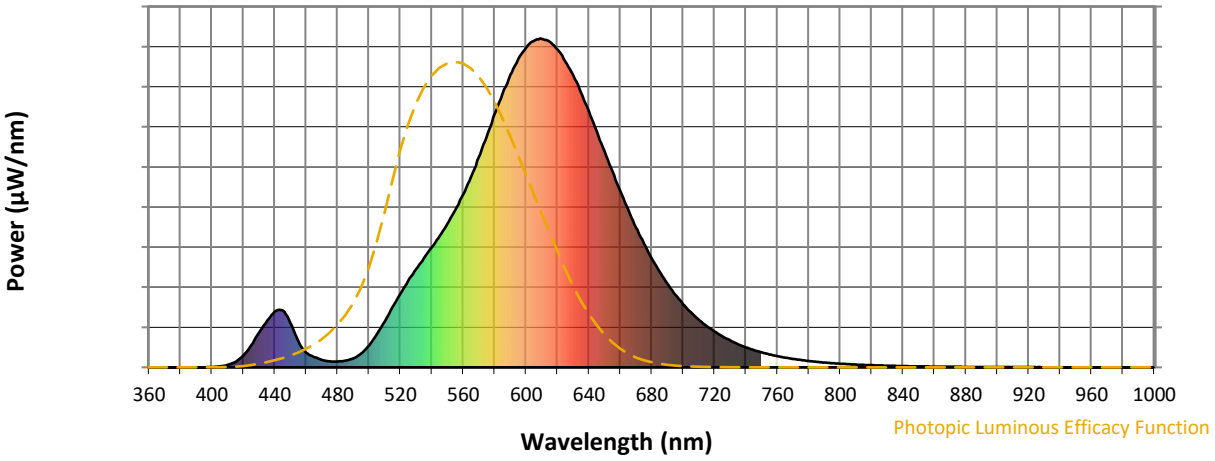


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

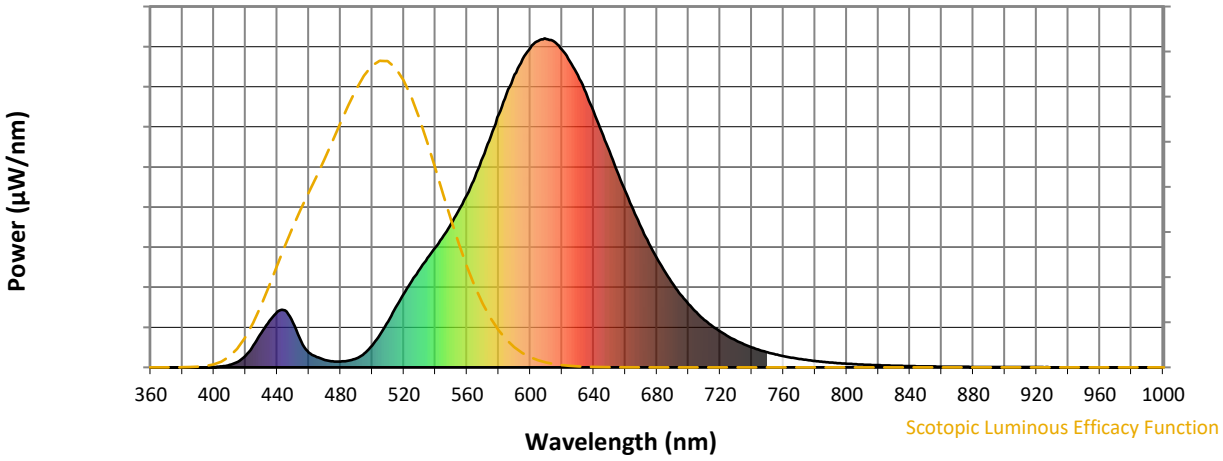


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

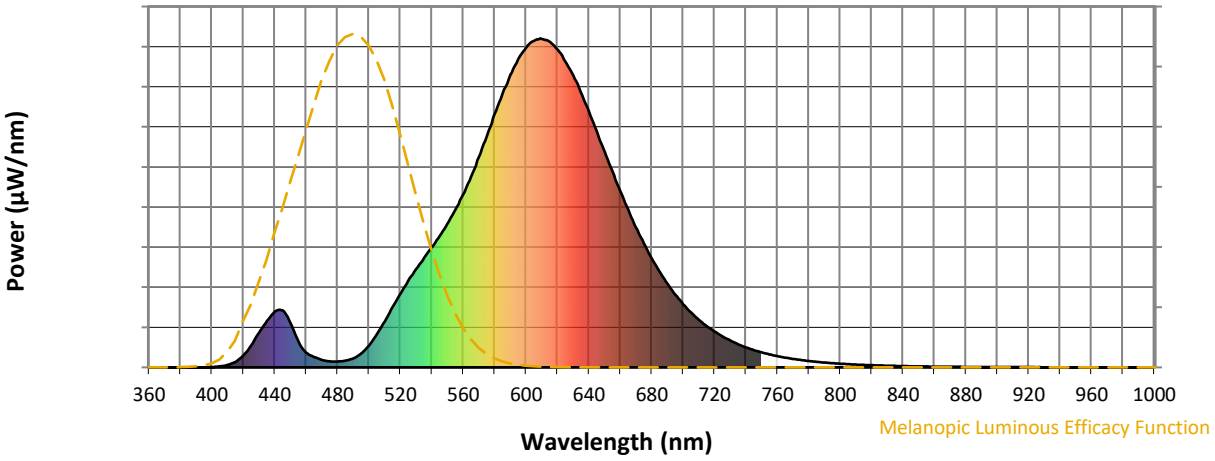


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

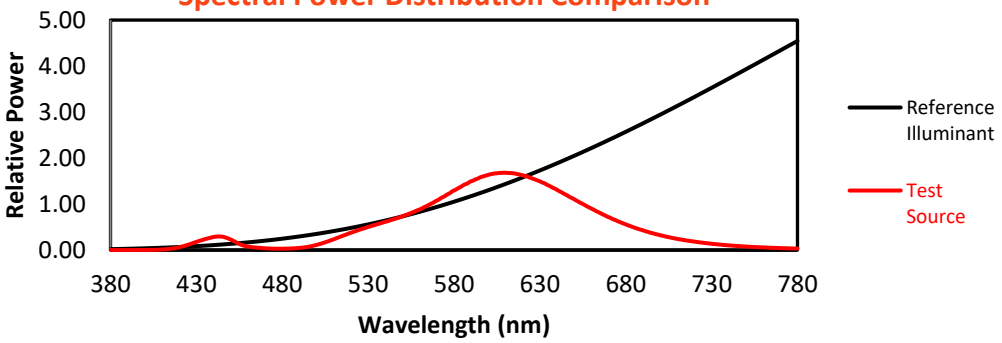
REPORT NUMBER: SP1-2407-184-2

TM-30-18

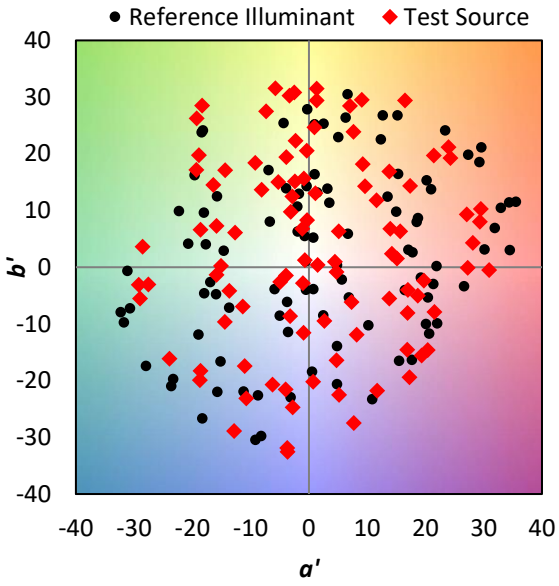
Summary

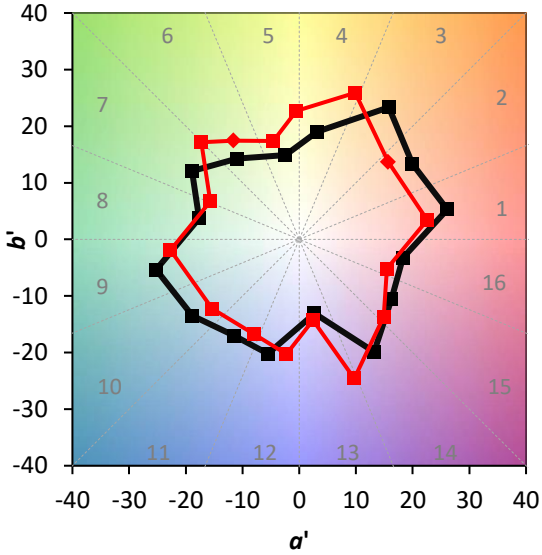
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

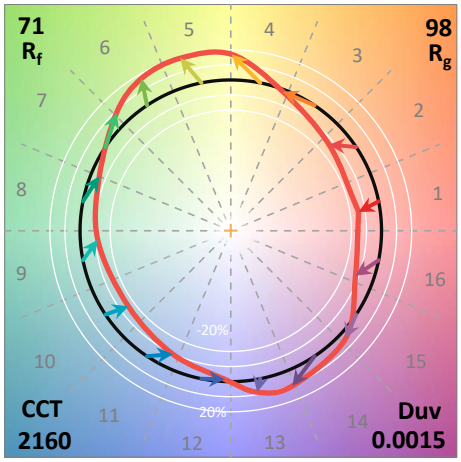
Spectral Power Distribution Comparison

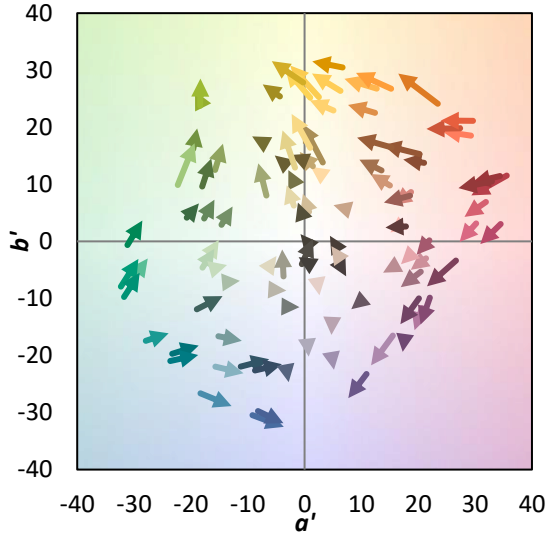


Color Vector Graphics







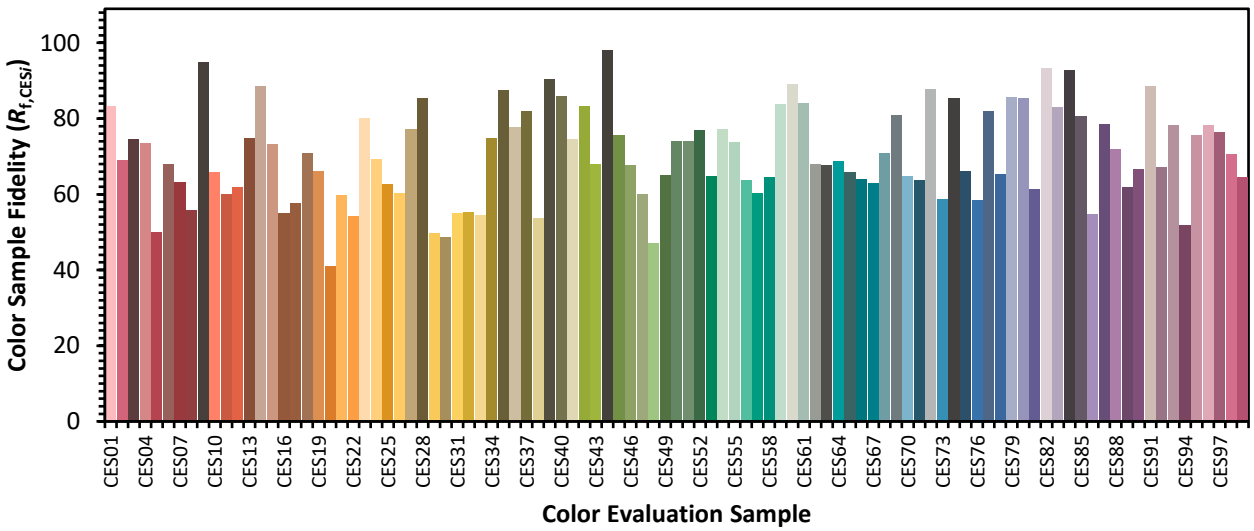


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Individual Sample Fidelity Index ($R_{f,i}$)

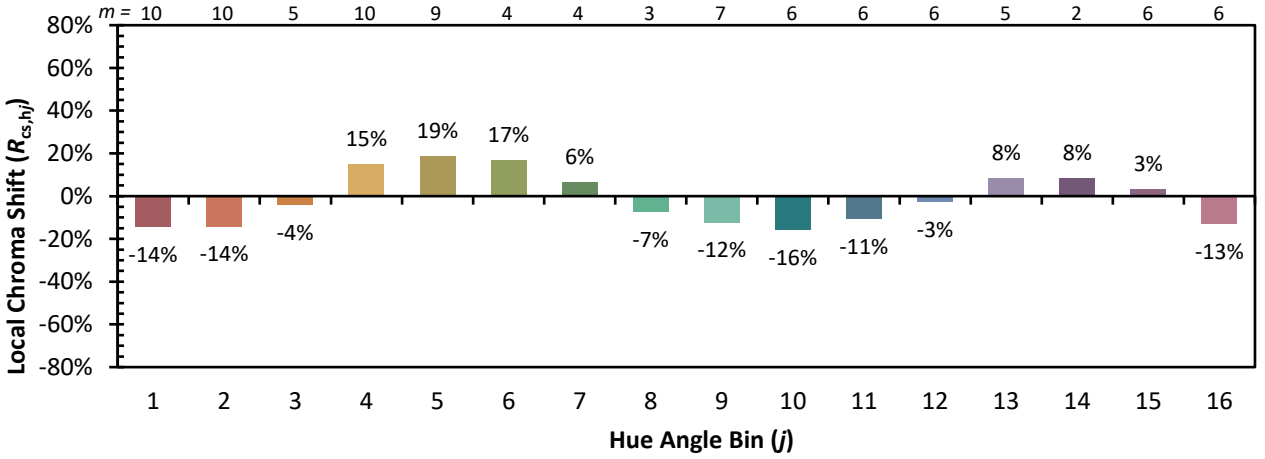
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

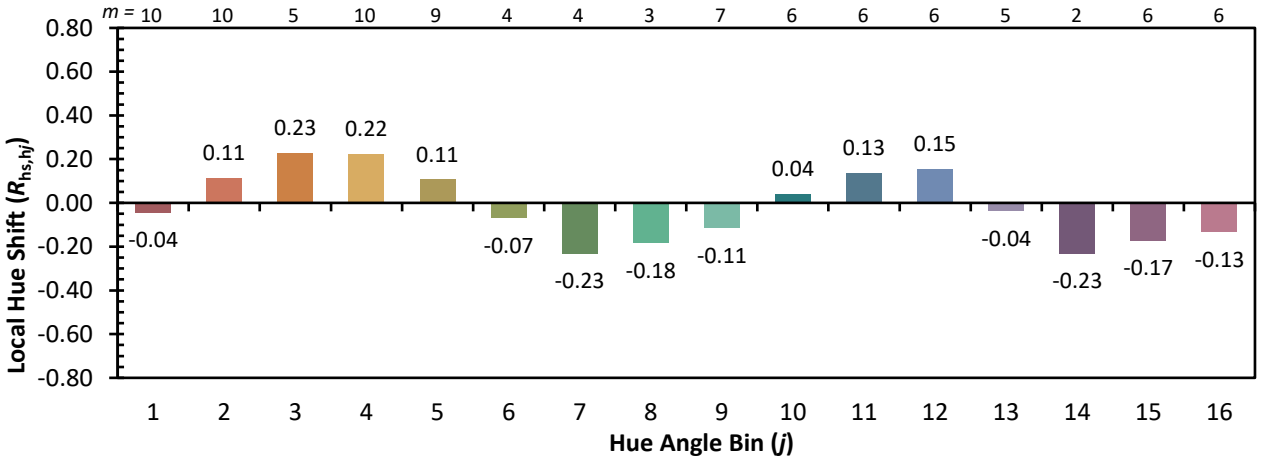


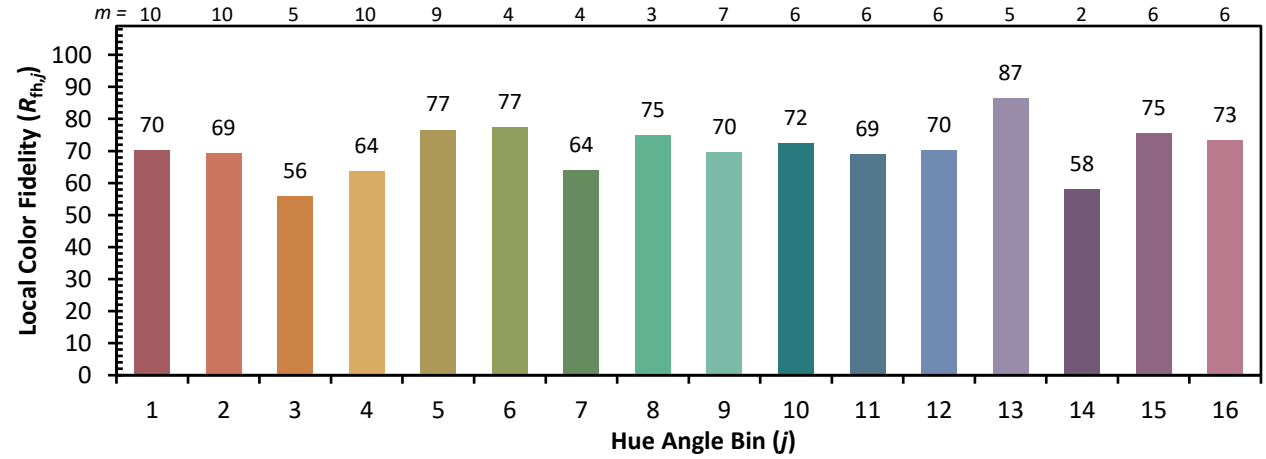
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Color Rendition by Hue-Angle Bin



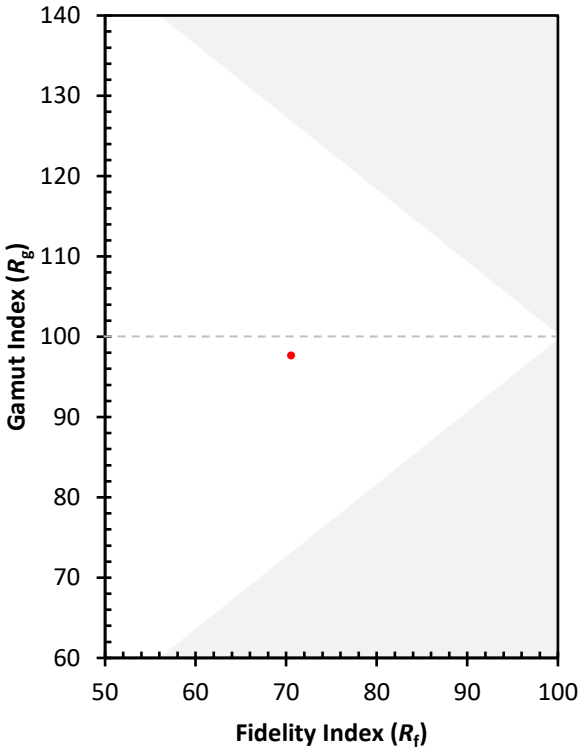


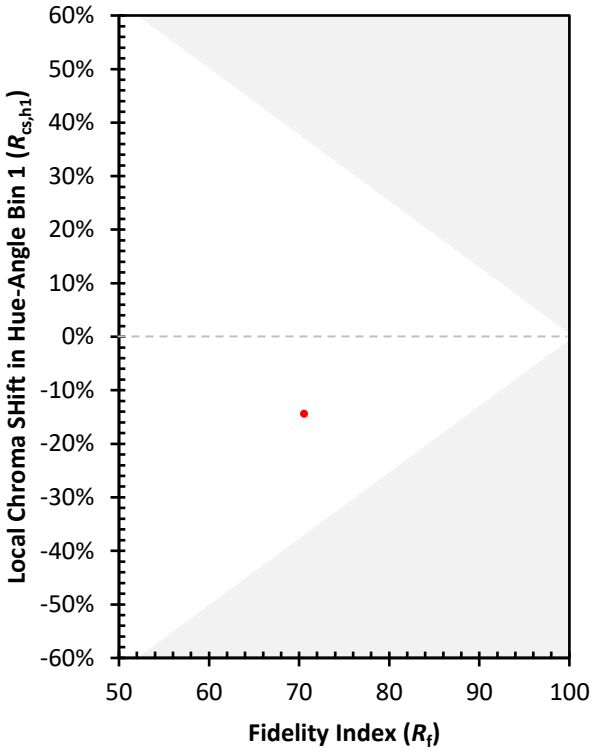


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Measure Comparisons





(END OF REPORT)