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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1365273

Luminaire Tested: **GSS-SB1C-740-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365273
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-740-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5414.1 lumens
Efficiency:	N/A
Efficacy:	104.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

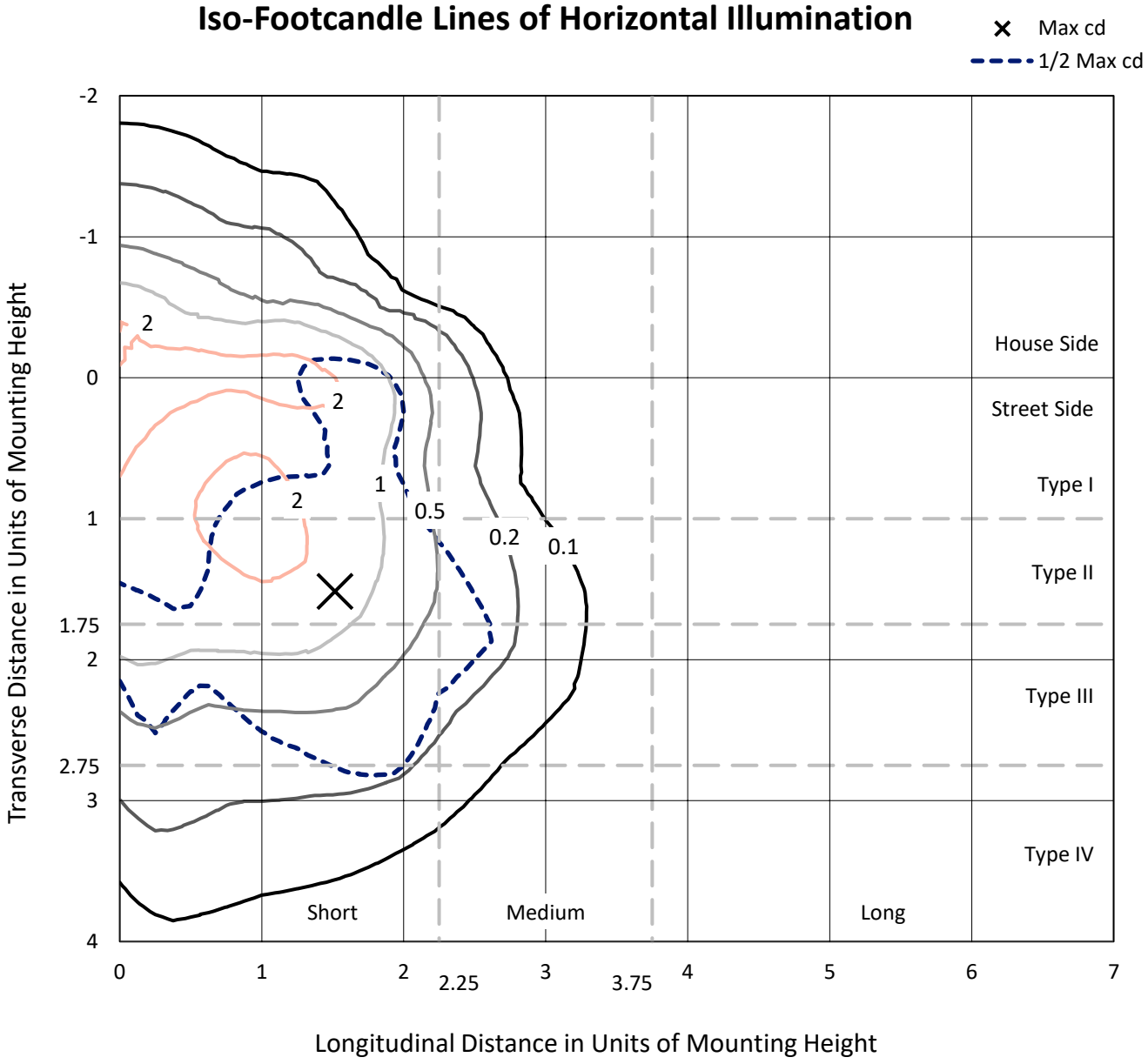
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



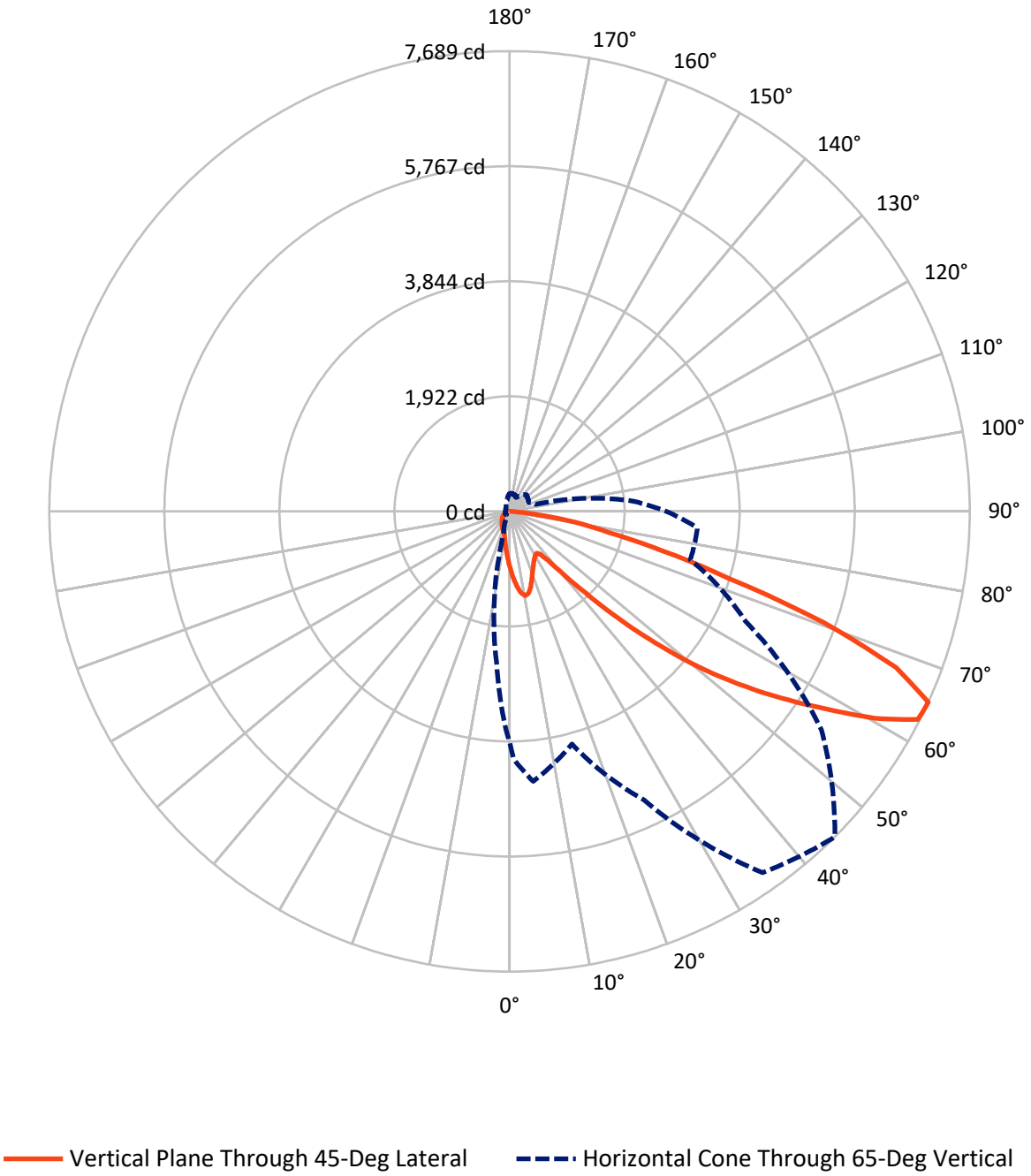
Based on 20 foot mounting height. Maximum calculated value = 3.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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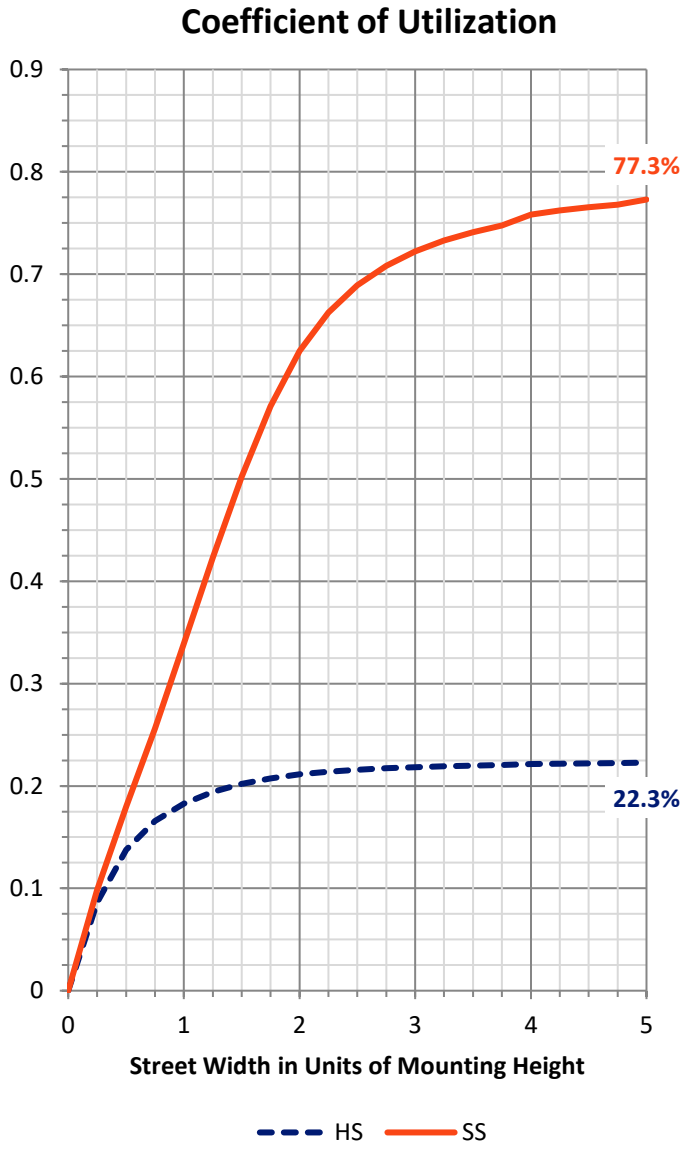
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1217.9	0.0	1217.9
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	4196.2	0.0	4196.2
	% Fixture	77.5	0.0	77.5
Total	Lumens	5414.1	0.0	5414.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.7
10°-20°	248.6	4.6
20°-30°	356.1	6.6
30°-40°	446.7	8.3
40°-50°	733.8	13.6
50°-60°	1324.8	24.5
60°-70°	1470.8	27.2
70°-80°	664.8	12.3
80°-90°	78.7	1.5
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°	5414.1	100.0
0°-180°	5414.1	100.0



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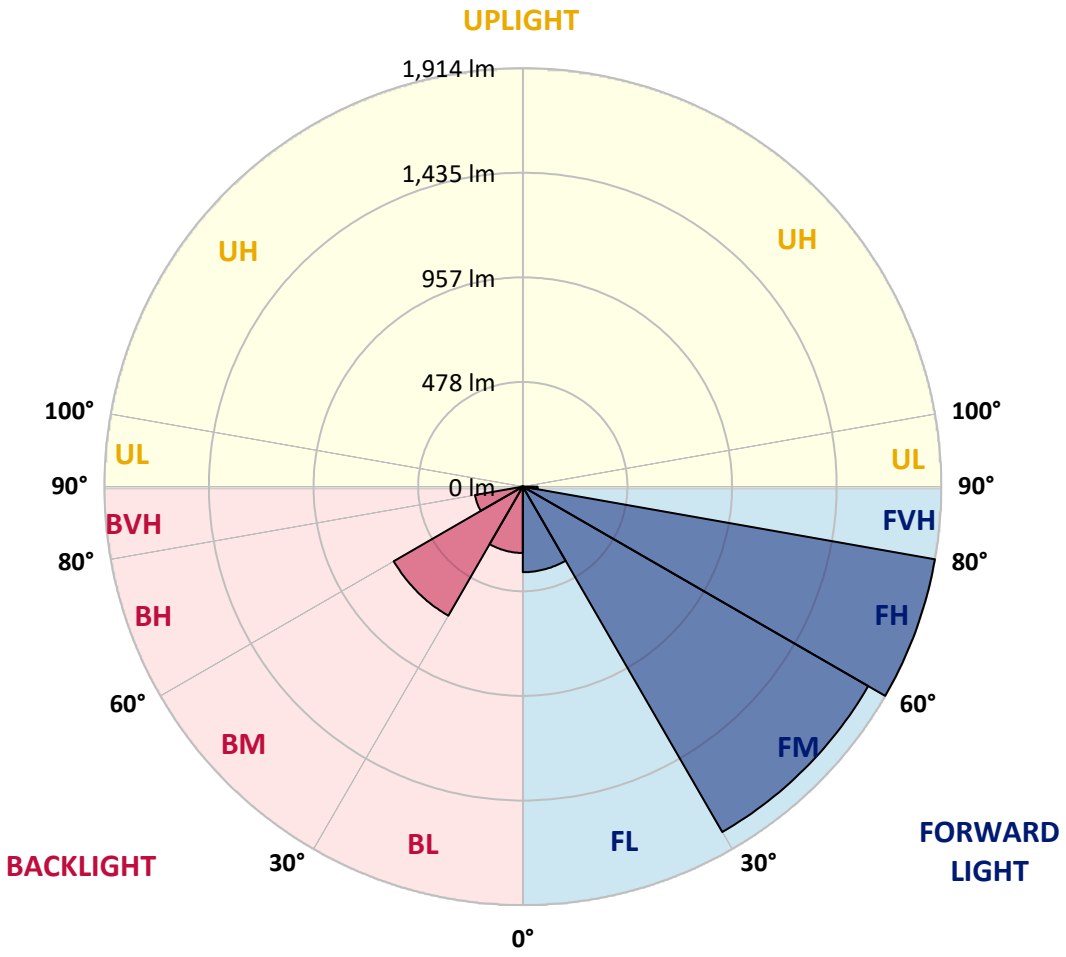
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	391.1	7.2			
FM	(30°-60°)	1823.8	33.7			
FH	(60°-80°)	1913.7	35.3			G2/5000
FVH	(80°-90°)	67.6	1.2			G1/100
BL	(0°-30°)	303.5	5.6	B1/500		
BM	(30°-60°)	681.4	12.6	B1/1000		
BH	(60°-80°)	221.8	4.1	B1/500		G1/500
BVH	(80°-90°)	11.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	935.4	935.4	935.4	935.4	935.4	935.4	*935.4*	935.4	935.4	935.4	935.4
2.5°	1030.0	1043.3	1041.7	1060.0	1076.6	1088.2	*1098.2*	1094.8	1086.5	1069.9	1058.3
5°	1138.0	1148.0	1164.6	1199.5	1226.1	1249.4	*1246.0*	1249.4	1224.4	1199.5	1169.6
7.5°	1231.1	1242.7	1266.0	1315.8	1349.0	1377.3	*1374.0*	1364.0	1335.7	1294.2	1249.4
10°	1289.2	1297.5	1322.5	1378.9	1417.1	1440.4	*1432.1*	1415.5	1378.9	1337.4	1284.2
12.5°	1314.1	1324.1	1345.7	1390.6	1415.5	1410.5	*1407.2*	1403.9	1385.6	1354.0	1305.8
15°	1317.5	1324.1	1340.7	1360.7	1350.7	1322.5	*1315.8*	1340.7	1364.0	1357.3	1317.5
17.5°	1317.5	1327.4	1330.8	1310.8	1259.3	1207.8	*1201.2*	1242.7	1307.5	1359.0	1335.7
20°	1322.5	1327.4	1320.8	1256.0	1159.6	1103.2	*1091.5*	1143.0	1239.4	1340.7	1354.0
22.5°	1329.1	1334.1	1305.8	1191.2	1078.2	1018.4	*1011.8*	1050.0	1163.0	1314.1	1374.0
25°	1342.4	1339.1	1295.9	1134.7	1006.8	950.3	*940.3*	990.2	1099.8	1287.6	1407.2
27.5°	1359.0	1344.0	1282.6	1088.2	955.3	895.5	*888.8*	937.0	1046.7	1254.3	1435.4
30°	1380.6	1365.6	1280.9	1051.6	917.1	857.3	*849.0*	902.1	1010.1	1231.1	1475.3
32.5°	1410.5	1388.9	1282.6	1023.4	895.5	839.0	*834.0*	890.5	995.2	1217.8	1516.8
35°	1450.4	1418.8	1289.2	1013.4	902.1	863.9	*875.5*	918.7	1010.1	1227.8	1584.9
37.5°	1500.2	1470.3	1322.5	1035.0	975.2	1001.8	*1031.7*	1048.3	1081.6	1274.3	1694.6
40°	1583.3	1541.8	1372.3	1104.8	1171.3	1295.9	*1354.0*	1347.4	1270.9	1380.6	1849.1
42.5°	1699.6	1661.4	1473.6	1282.6	1498.6	1762.7	*1860.7*	1804.2	1573.3	1550.1	2103.3
45°	1877.3	1814.2	1609.9	1546.7	1894.0	2327.6	*2548.5*	2354.2	1957.1	1817.5	2465.5
47.5°	2105.0	2041.8	1822.5	1810.9	2335.9	3025.4	*3287.9*	2905.7	2337.5	2168.1	2899.1
50°	2470.5	2400.7	2134.9	2080.0	2824.3	3721.5	*4072.0*	3455.7	2724.6	2540.2	3434.1
52.5°	2972.2	2925.7	2629.9	2357.5	3261.3	4489.0	*4791.4*	4030.5	3023.7	2965.5	4017.2
55°	3671.6	3626.8	3274.6	2666.5	3675.0	5258.2	*5502.5*	4553.8	3284.5	3464.0	4626.9
57.5°	4464.1	4538.9	4156.7	3078.5	4110.2	5877.9	*6218.5*	5029.0	3636.7	4130.2	5304.8
60°	4980.8	5216.7	5168.5	3797.9	4786.4	6648.8	*7019.3*	5665.3	4151.8	4620.3	5289.8
62.5°	4532.2	4768.1	5137.0	4631.9	5437.7	7346.6	*7658.9*	6334.8	4663.5	4229.8	4442.5
65°	*3846.1*	*4140.1*	*4528.9*	*4023.8*	*5323.0*	*7368.2*	*7688.8*	*6359.7*	*4351.1*	*3126.7*	*3150.0*
67.5°	3314.4	3575.3	4053.7	3424.1	4718.3	6710.3	*6962.8*	5673.6	3596.9	2073.4	2055.1
70°	2766.2	3005.4	3610.2	3048.6	4133.5	5783.2	*5565.6*	4769.8	3040.3	1377.3	1141.4
72.5°	2357.5	2578.4	3208.1	2739.6	3279.5	4686.7	*3836.1*	3957.4	2473.8	875.5	777.5
75°	1950.4	2153.1	2728.0	2480.4	2713.0	2924.0	*2651.5*	2811.0	2038.5	742.6	599.8
77.5°	1369.0	1495.2	1913.9	1973.7	2111.6	1731.1	*1681.3*	1968.7	1450.4	368.8	252.5
80°	674.5	752.6	998.5	1174.6	998.5	981.9	*1119.8*	1310.8	752.6	225.9	139.6
82.5°	302.4	358.9	460.2	711.1	360.5	392.1	*495.1*	697.8	342.2	134.6	59.8
85°	48.2	53.2	89.7	119.6	98.0	151.2	*144.5*	136.2	73.1	36.6	16.6
87.5°	1.7	1.7	1.7	3.3	5.0	6.6	*8.3*	8.3	8.3	8.3	8.3
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°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4
2.5°	1055.0	1050.0	1025.1	1000.1	978.5	956.9	935.4	905.4	882.2	862.3	853.9
5°	1154.7	1128.1	1089.9	1048.3	1011.8	970.2	930.4	885.5	849.0	810.7	790.8
7.5°	1222.8	1196.2	1133.1	1069.9	1025.1	980.2	938.7	888.8	840.7	785.8	755.9
10°	1254.3	1224.4	1156.3	1083.2	1028.4	983.5	945.3	903.8	855.6	787.5	747.6
12.5°	1275.9	1239.4	1161.3	1086.5	1031.7	985.2	948.6	918.7	890.5	824.0	777.5
15°	1289.2	1256.0	1174.6	1088.2	1026.7	971.9	937.0	927.0	932.0	900.5	844.0
17.5°	1309.2	1277.6	1191.2	1098.2	1018.4	943.7	905.4	927.0	971.9	981.9	937.0
20°	1335.7	1302.5	1212.8	1106.5	993.5	890.5	853.9	908.8	983.5	1035.0	1010.1
22.5°	1365.6	1339.1	1237.7	1114.8	956.9	820.7	804.1	870.6	950.3	1016.8	1018.4
25°	1402.2	1377.3	1272.6	1123.1	907.1	760.9	764.2	820.7	883.8	952.0	963.6
27.5°	1452.0	1428.8	1315.8	1133.1	855.6	712.7	729.3	770.9	814.1	855.6	872.2
30°	1506.9	1488.6	1367.3	1153.0	807.4	684.5	694.5	722.7	757.6	782.5	790.8
32.5°	1581.6	1551.7	1415.5	1151.3	770.9	671.2	661.2	669.5	697.8	722.7	724.4
35°	1674.7	1651.4	1465.3	1121.4	737.6	664.5	629.7	624.7	641.3	666.2	664.5
37.5°	1810.9	1791.0	1546.7	1074.9	696.1	647.9	596.4	579.8	591.4	608.1	613.0
40°	2015.2	1963.7	1639.8	1023.4	654.6	618.0	556.6	533.3	541.6	559.9	563.2
42.5°	2292.7	2194.7	1764.4	953.6	614.7	573.2	516.7	491.8	496.7	513.4	516.7
45°	2648.2	2500.4	1935.5	880.5	583.1	526.7	475.2	448.6	453.6	471.8	480.1
47.5°	3063.6	2860.9	2114.9	802.4	564.9	490.1	433.6	413.7	425.3	443.6	446.9
50°	3553.7	3349.3	2229.6	739.3	553.2	461.9	395.4	387.1	402.1	417.0	420.3
52.5°	4088.6	3797.9	2156.5	687.8	543.3	451.9	368.8	372.1	383.8	398.7	403.7
55°	4608.6	3962.4	1913.9	621.4	531.6	458.5	348.9	357.2	372.1	383.8	387.1
57.5°	4947.6	3824.5	1541.8	551.6	518.3	463.5	338.9	345.6	362.2	375.5	377.1
60°	4651.8	3522.1	1154.7	491.8	490.1	455.2	335.6	325.6	348.9	360.5	362.2
62.5°	3811.2	2880.8	737.6	435.3	436.9	436.9	333.9	292.4	322.3	332.3	330.6
65°	*2618.3*	*2036.8*	*456.9*	*355.5*	*372.1*	*397.1*	*324.0*	*257.5*	*292.4*	*302.4*	*299.0*
67.5°	1721.2	1294.2	282.4	274.1	305.7	343.9	304.0	230.9	262.5	269.1	259.2
70°	933.7	609.7	186.1	179.4	239.2	270.8	257.5	207.7	234.3	240.9	230.9
72.5°	616.4	350.5	131.2	131.2	187.7	189.4	211.0	186.1	207.7	214.3	204.3
75°	463.5	225.9	91.4	101.3	119.6	147.9	151.2	156.2	176.1	184.4	174.4
77.5°	212.7	83.1	54.8	74.8	83.1	113.0	96.4	116.3	131.2	134.6	126.3
80°	122.9	46.5	36.6	48.2	53.2	93.0	56.5	69.8	93.0	98.0	88.1
82.5°	51.5	23.3	24.9	29.9	31.6	51.5	39.9	44.9	61.5	59.8	53.2
85°	15.0	15.0	16.6	18.3	18.3	29.9	28.2	26.6	28.2	28.2	23.3
87.5°	10.0	10.0	10.0	11.6	11.6	13.3	15.0	16.6	16.6	16.6	15.0
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°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4
2.5°	842.3	827.4	805.8	802.4	790.8	782.5	790.8	799.1	814.1	815.7	822.4
5°	772.5	737.6	711.1	681.2	666.2	664.5	661.2	671.2	692.8	706.1	716.1
7.5°	726.0	662.9	616.4	574.8	559.9	548.3	558.2	556.6	584.8	596.4	606.4
10°	701.1	613.0	543.3	491.8	471.8	460.2	458.5	461.9	478.5	490.1	501.7
12.5°	717.7	593.1	490.1	430.3	408.7	395.4	383.8	383.8	387.1	402.1	407.0
15°	772.5	604.7	465.2	400.4	372.1	350.5	335.6	324.0	325.6	327.3	332.3
17.5°	852.3	634.6	456.9	382.1	352.2	325.6	310.7	297.4	294.1	294.1	292.4
20°	928.7	657.9	450.2	367.2	329.0	305.7	292.4	280.8	275.8	275.8	275.8
22.5°	960.3	677.8	441.9	348.9	305.7	284.1	272.5	264.2	262.5	262.5	260.8
25°	935.4	671.2	432.0	330.6	284.1	267.5	257.5	249.2	247.5	249.2	247.5
27.5°	857.3	647.9	418.7	315.7	267.5	252.5	244.2	235.9	234.3	235.9	235.9
30°	774.2	608.1	397.1	304.0	254.2	237.6	229.3	221.0	221.0	222.6	224.3
32.5°	707.7	568.2	372.1	289.1	239.2	224.3	216.0	207.7	207.7	211.0	211.0
35°	651.3	536.6	347.2	274.1	225.9	209.3	202.7	196.0	194.4	197.7	199.4
37.5°	606.4	508.4	320.6	259.2	212.7	197.7	191.1	182.8	181.1	184.4	187.7
40°	559.9	476.8	297.4	240.9	199.4	184.4	177.8	167.8	167.8	171.1	174.4
42.5°	515.0	448.6	282.4	224.3	186.1	169.5	162.8	154.5	154.5	157.8	161.2
45°	478.5	422.0	274.1	207.7	171.1	156.2	147.9	141.2	142.9	146.2	149.5
47.5°	443.6	393.7	275.8	199.4	161.2	141.2	132.9	127.9	131.2	136.2	139.6
50°	417.0	373.8	277.4	186.1	147.9	129.6	121.3	118.0	122.9	127.9	131.2
52.5°	400.4	353.9	267.5	169.5	137.9	118.0	113.0	113.0	118.0	121.3	124.6
55°	383.8	320.6	245.9	151.2	127.9	109.7	106.3	106.3	111.3	114.6	116.3
57.5°	370.5	285.8	221.0	136.2	116.3	101.3	101.3	101.3	103.0	104.7	108.0
60°	345.6	249.2	189.4	124.6	104.7	94.7	93.0	93.0	91.4	93.0	98.0
62.5°	302.4	209.3	161.2	111.3	94.7	86.4	84.7	79.7	74.8	76.4	79.7
65°	*255.9*	*166.1*	*134.6*	*96.4*	*81.4*	*76.4*	*74.8*	*66.5*	*59.8*	*61.5*	*66.5*
67.5°	204.3	124.6	113.0	83.1	69.8	64.8	64.8	59.8	54.8	54.8	58.1
70°	159.5	104.7	84.7	66.5	54.8	54.8	58.1	53.2	46.5	46.5	51.5
72.5°	129.6	84.7	68.1	51.5	43.2	46.5	48.2	43.2	38.2	38.2	41.5
75°	101.3	66.5	53.2	38.2	33.2	34.9	38.2	34.9	29.9	31.6	33.2
77.5°	69.8	44.9	34.9	28.2	24.9	26.6	26.6	24.9	23.3	23.3	24.9
80°	46.5	29.9	23.3	19.9	18.3	18.3	16.6	16.6	18.3	18.3	19.9
82.5°	33.2	21.6	18.3	15.0	11.6	11.6	13.3	13.3	15.0	15.0	16.6
85°	19.9	15.0	13.3	10.0	8.3	10.0	10.0	11.6	13.3	13.3	15.0
87.5°	15.0	11.6	10.0	8.3	6.6	6.6	8.3	8.3	10.0	11.6	11.6
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: P1365273
CATALOG NUMBER: GSS-SB1C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4
2.5°	839.0	858.9	887.2	912.1	942.0	971.9	1000.1	1026.7	1028.4	1030.0
5°	747.6	787.5	834.0	890.5	950.3	1008.5	1069.9	1119.8	1131.4	1138.0
7.5°	646.3	704.4	775.9	855.6	945.3	1035.0	1121.4	1196.2	1224.4	1231.1
10°	539.9	611.4	697.8	800.8	922.1	1041.7	1158.0	1249.4	1282.6	1289.2
12.5°	445.2	503.4	603.1	727.7	873.9	1031.7	1171.3	1272.6	1305.8	1314.1
15°	363.8	418.7	511.7	643.0	807.4	996.8	1161.3	1277.6	1310.8	1317.5
17.5°	300.7	335.6	420.3	563.2	747.6	952.0	1148.0	1280.9	1312.5	1317.5
20°	275.8	282.4	327.3	466.8	684.5	918.7	1139.7	1285.9	1317.5	1322.5
22.5°	264.2	264.2	274.1	355.5	596.4	883.8	1136.4	1300.9	1324.1	1329.1
25°	252.5	252.5	255.9	279.1	491.8	840.7	1143.0	1327.4	1342.4	1342.4
27.5°	240.9	240.9	244.2	249.2	365.5	769.2	1144.7	1357.3	1364.0	1359.0
30°	229.3	232.6	232.6	235.9	269.1	679.5	1134.7	1390.6	1390.6	1380.6
32.5°	217.6	219.3	222.6	224.3	234.3	563.2	1118.1	1432.1	1423.8	1410.5
35°	207.7	209.3	209.3	212.7	222.6	450.2	1099.8	1488.6	1465.3	1450.4
37.5°	194.4	196.0	197.7	201.0	211.0	357.2	1073.2	1536.8	1520.2	1500.2
40°	182.8	184.4	186.1	189.4	199.4	307.4	1040.0	1609.9	1606.5	1583.3
42.5°	169.5	172.8	174.4	176.1	189.4	280.8	1016.8	1727.8	1727.8	1699.6
45°	157.8	161.2	161.2	164.5	182.8	257.5	1068.3	1890.6	1903.9	1877.3
47.5°	147.9	149.5	149.5	151.2	172.8	237.6	1206.2	2139.8	2123.2	2105.0
50°	137.9	141.2	137.9	139.6	164.5	249.2	1433.8	2458.8	2502.0	2470.5
52.5°	131.2	132.9	126.3	126.3	152.8	264.2	1619.8	2865.9	3010.4	2972.2
55°	122.9	124.6	116.3	116.3	134.6	229.3	1631.5	3329.4	3646.7	3671.6
57.5°	114.6	114.6	108.0	106.3	116.3	186.1	1447.1	3688.2	4407.6	4464.1
60°	104.7	103.0	99.7	96.4	106.3	171.1	1103.2	3640.1	4784.7	4980.8
62.5°	89.7	93.0	91.4	84.7	96.4	159.5	719.4	3150.0	4359.4	4532.2
65°	*74.8*	*79.7*	*79.7*	*74.8*	*106.3*	*139.6*	*378.8*	*2522.0*	*3638.4*	*3846.1*
67.5°	66.5	69.8	68.1	64.8	94.7	88.1	182.8	1933.8	3115.1	3314.4
70°	58.1	61.5	56.5	53.2	76.4	63.1	108.0	1294.2	2571.8	2766.2
72.5°	48.2	51.5	46.5	41.5	56.5	48.2	71.4	842.3	2141.5	2357.5
75°	39.9	41.5	38.2	33.2	41.5	38.2	49.8	549.9	1791.0	1950.4
77.5°	28.2	31.6	29.9	24.9	29.9	26.6	34.9	314.0	1249.4	1369.0
80°	21.6	21.6	21.6	19.9	18.3	18.3	23.3	141.2	606.4	674.5
82.5°	18.3	18.3	16.6	15.0	13.3	11.6	13.3	41.5	285.8	302.4
85°	16.6	13.3	11.6	10.0	8.3	5.0	5.0	11.6	58.1	48.2
87.5°	10.0	8.3	6.6	3.3	1.7	1.7	0.0	1.7	1.7	1.7
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

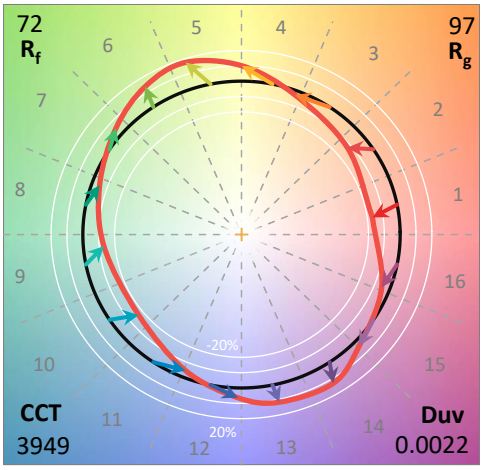
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

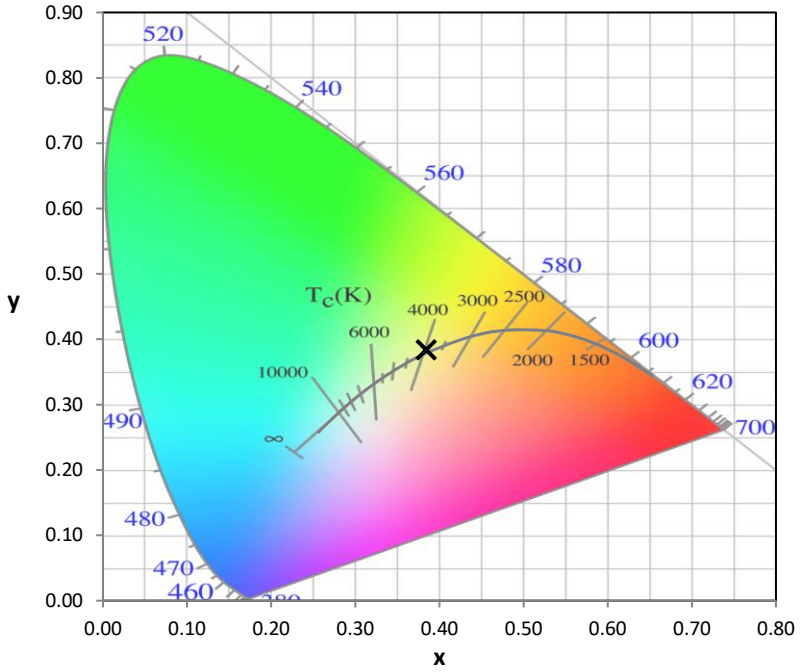
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

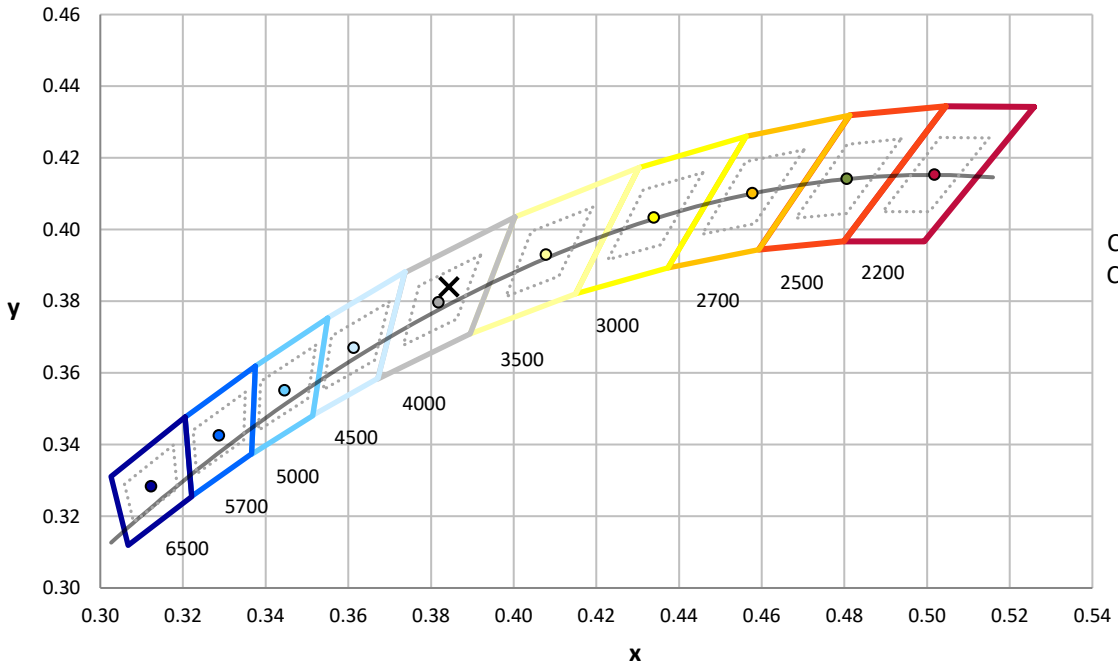
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

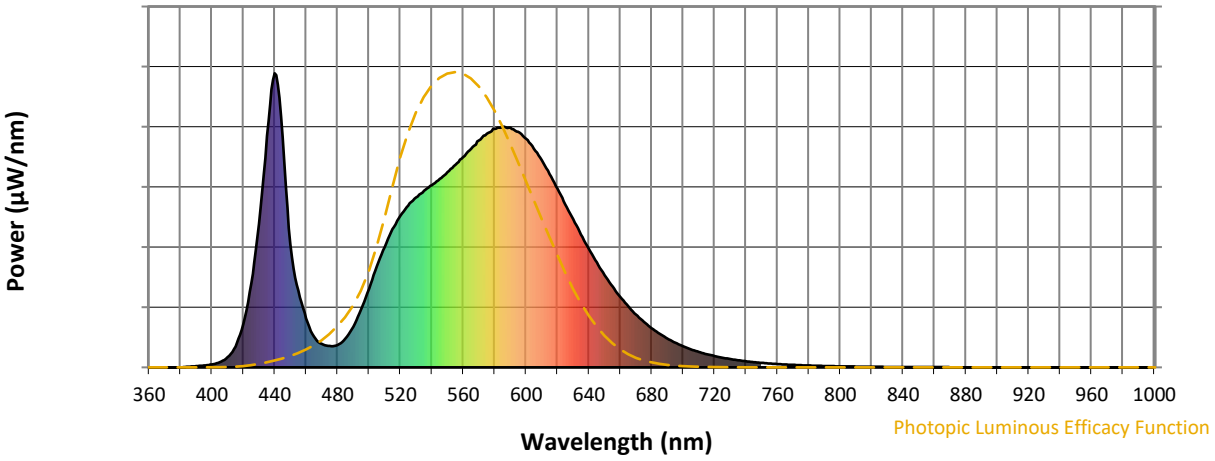


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

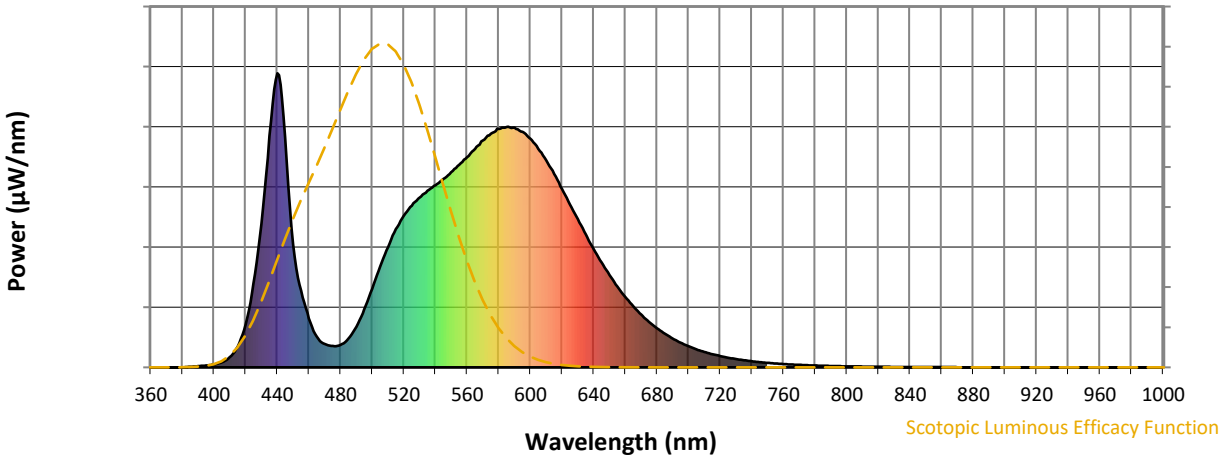


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

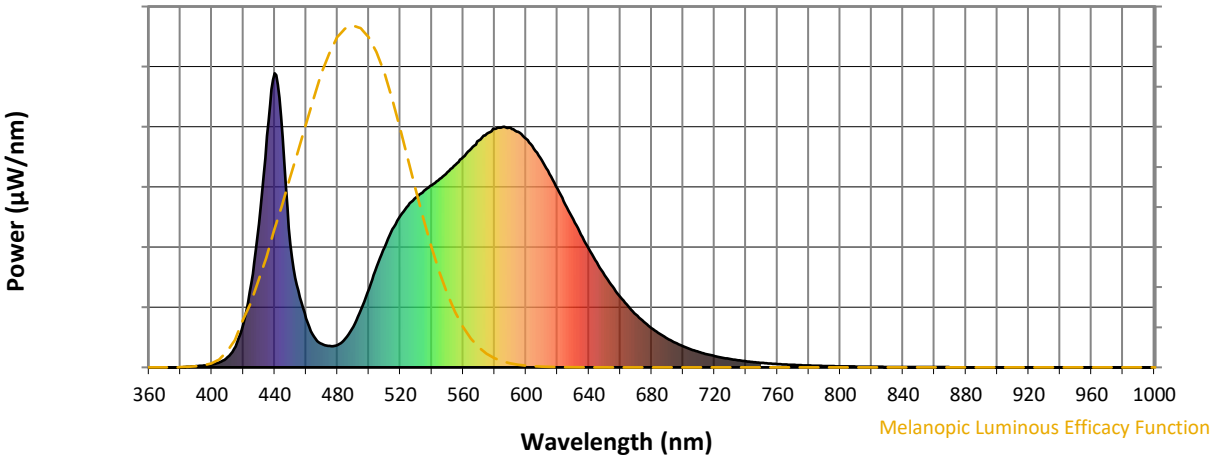


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

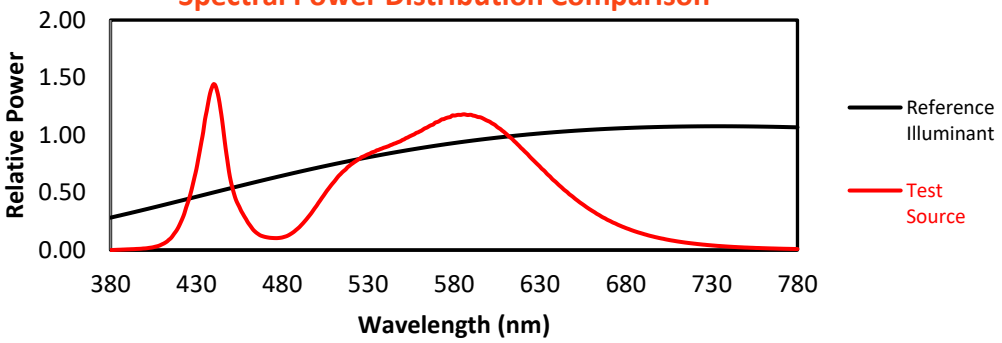
REPORT NUMBER: SP1-2407-184-1

TM-30-18

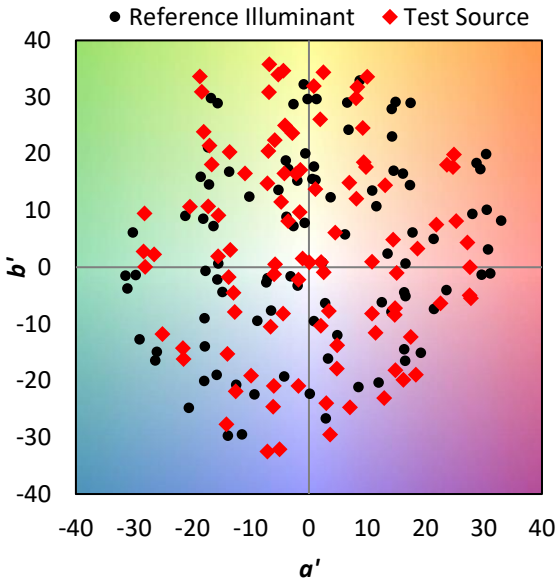
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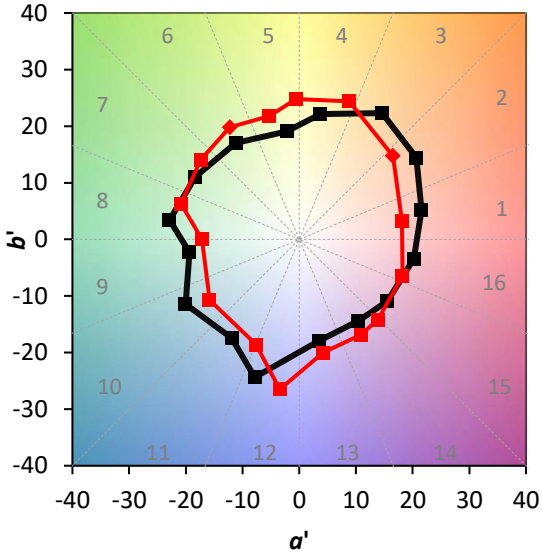
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

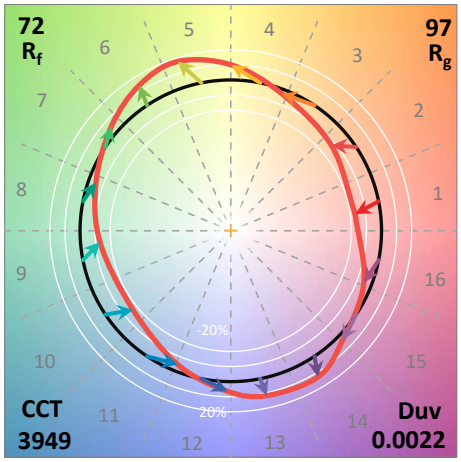
Spectral Power Distribution Comparison

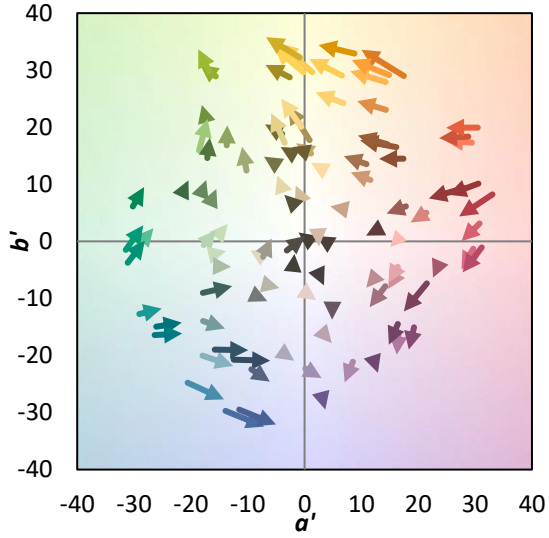


Color Vector Graphics







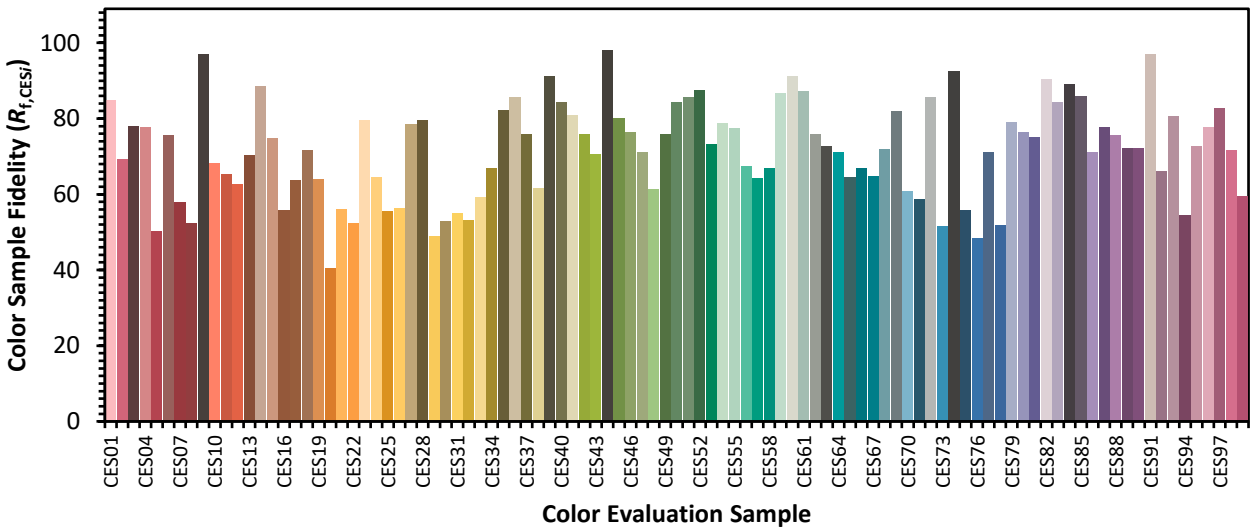


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

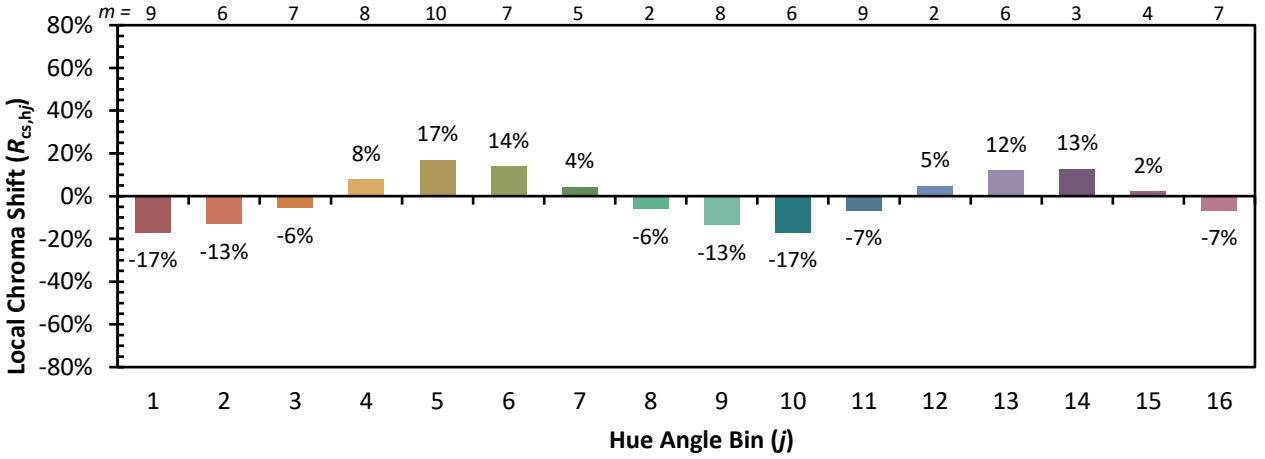
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CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
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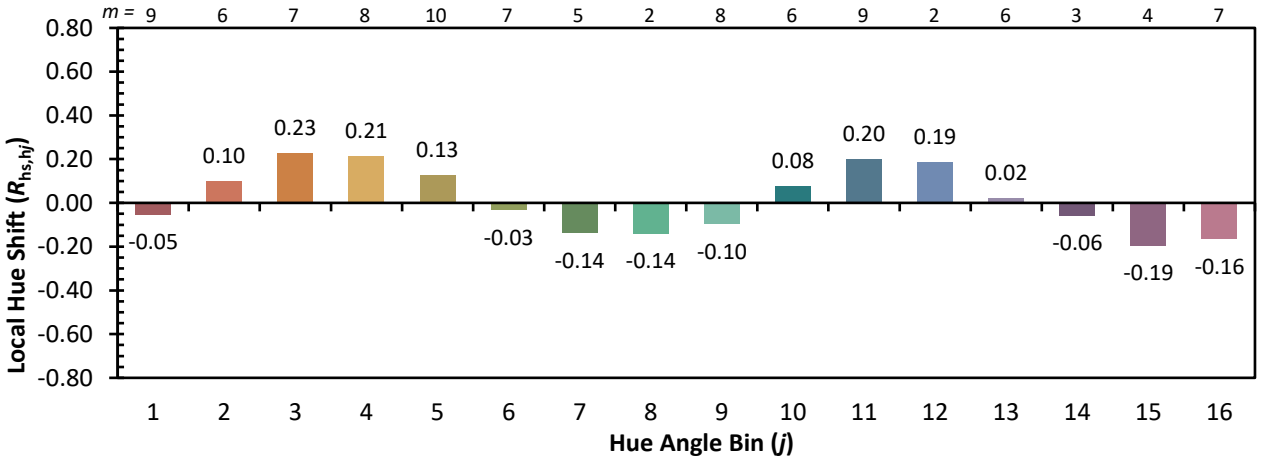


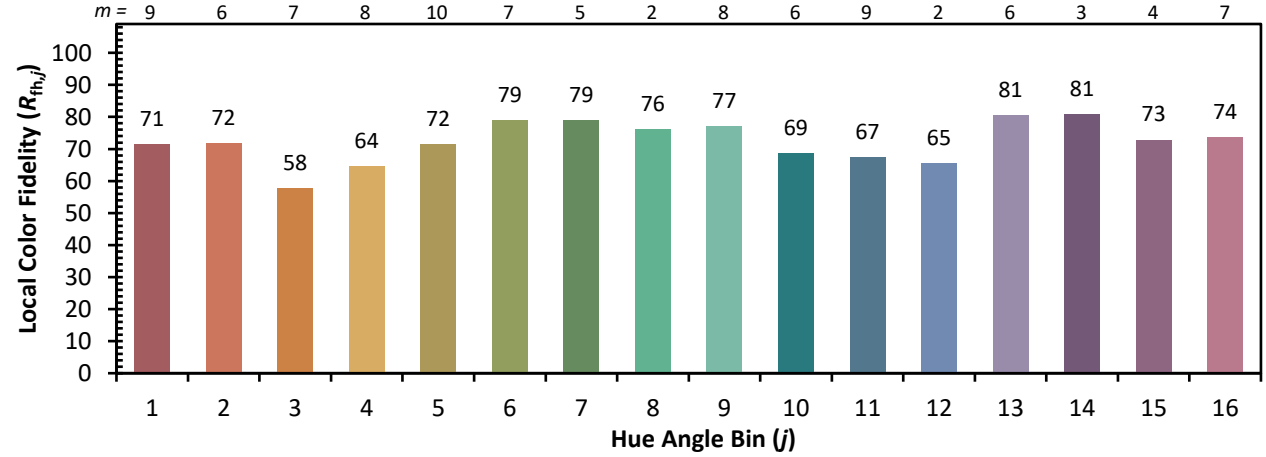
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Color Rendition by Hue-Angle Bin



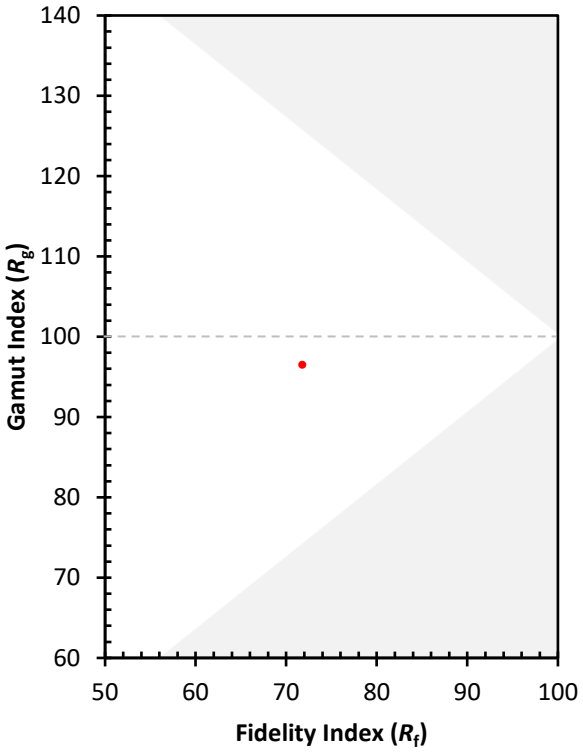


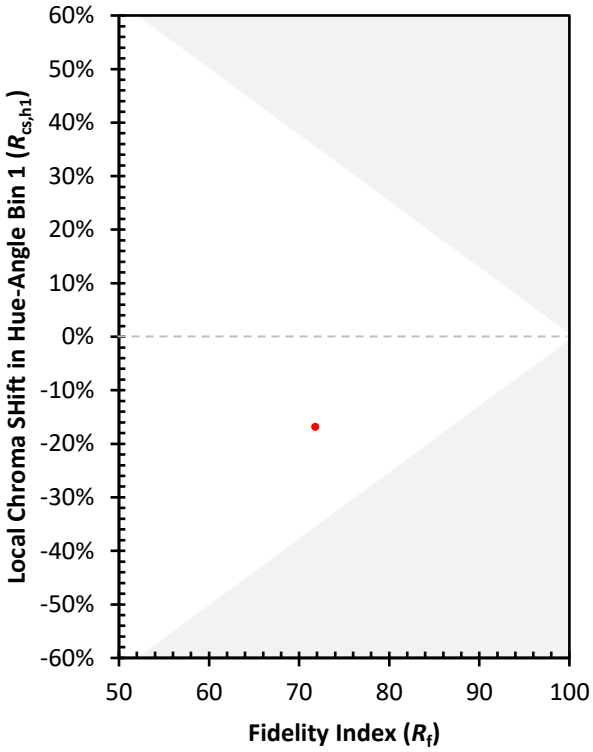


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Measure Comparisons





(END OF REPORT)