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: P1365297

Luminaire Tested: **GSS-SB1C-722-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365297
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-722-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4228.4 lumens
Efficiency:	N/A
Efficacy:	81.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

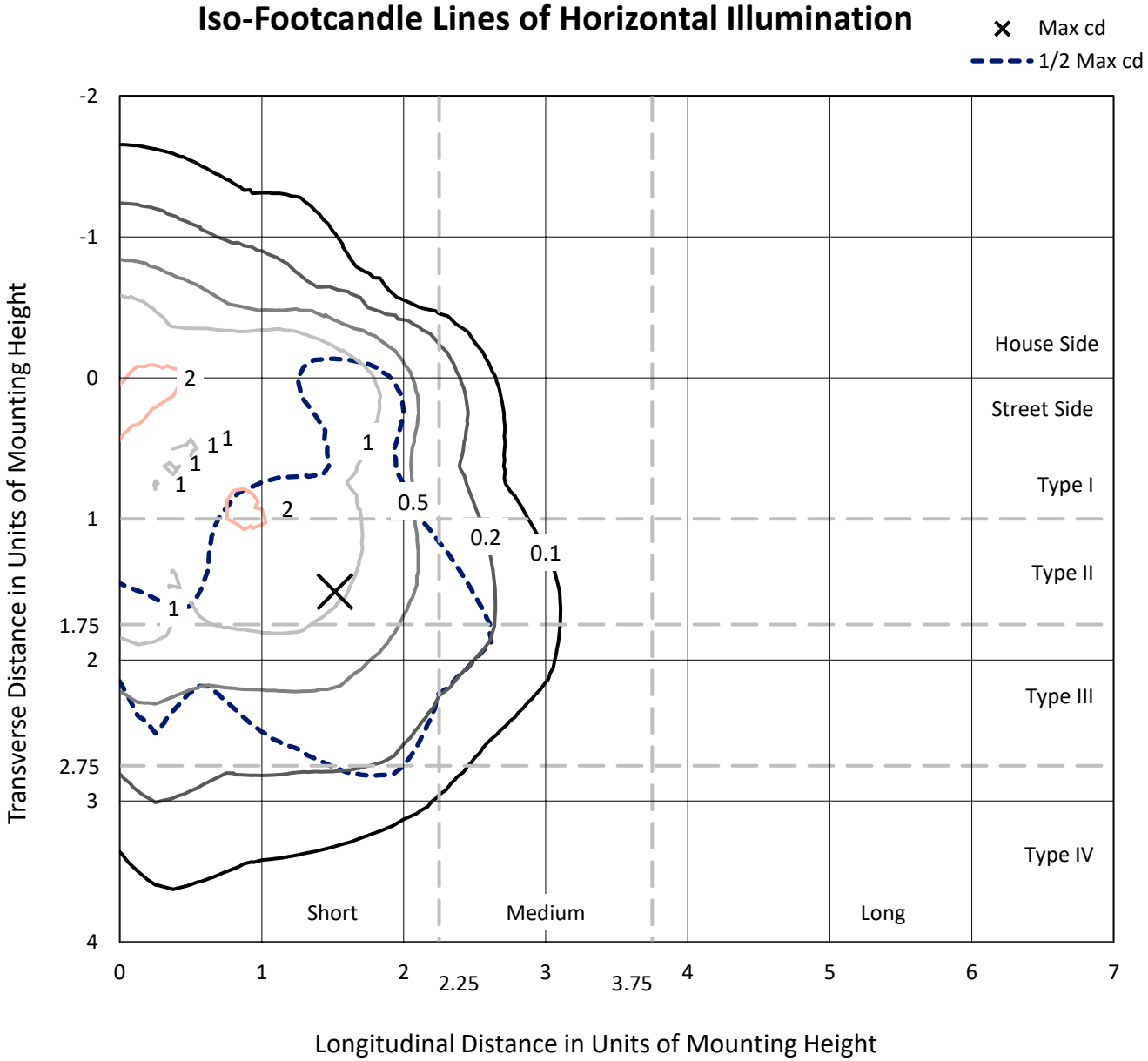
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365297
CATALOG NUMBER: GSS-SB1C-722-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



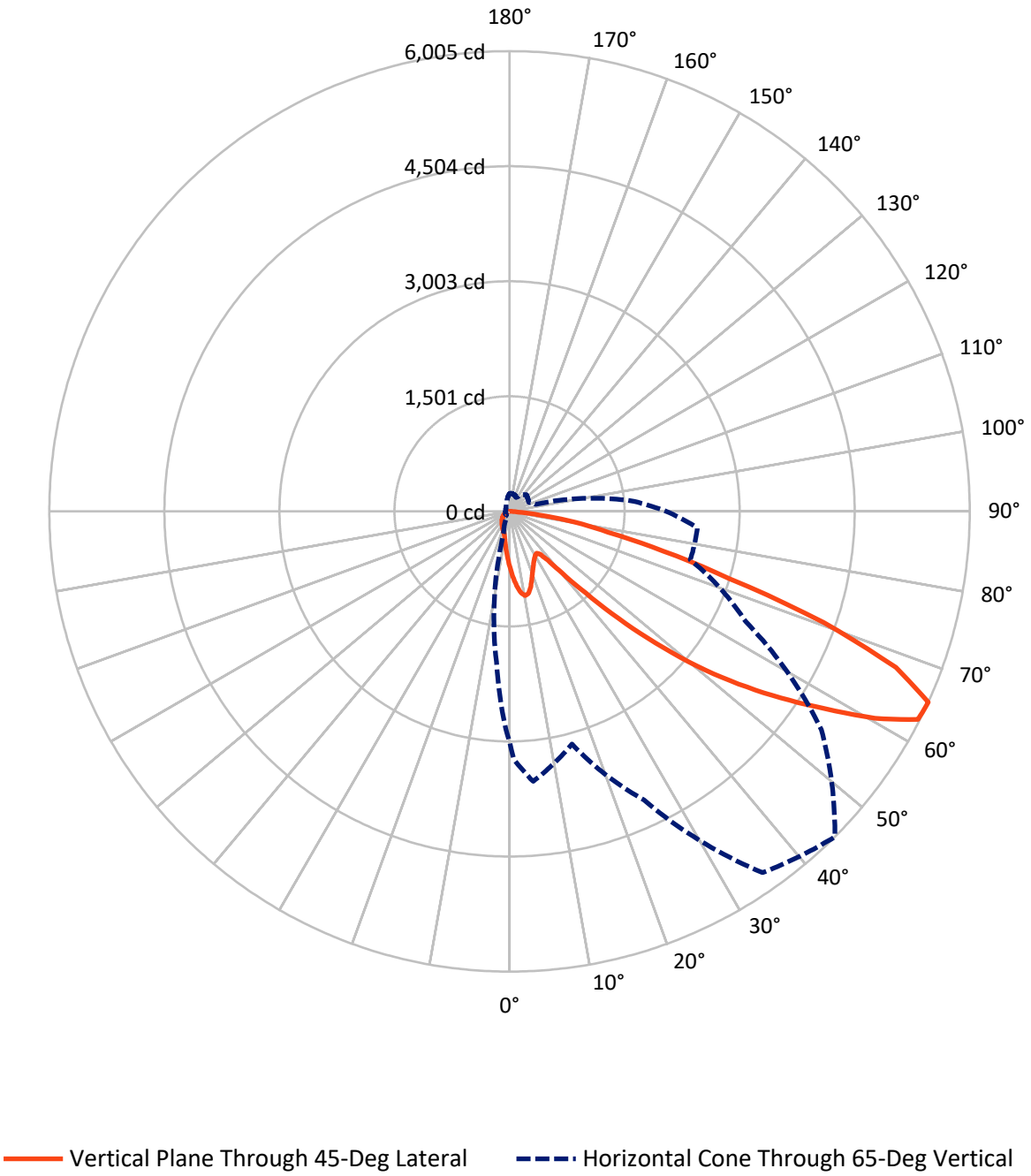
Based on 20 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1365297
CATALOG NUMBER: GSS-SB1C-722-U-SLL-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

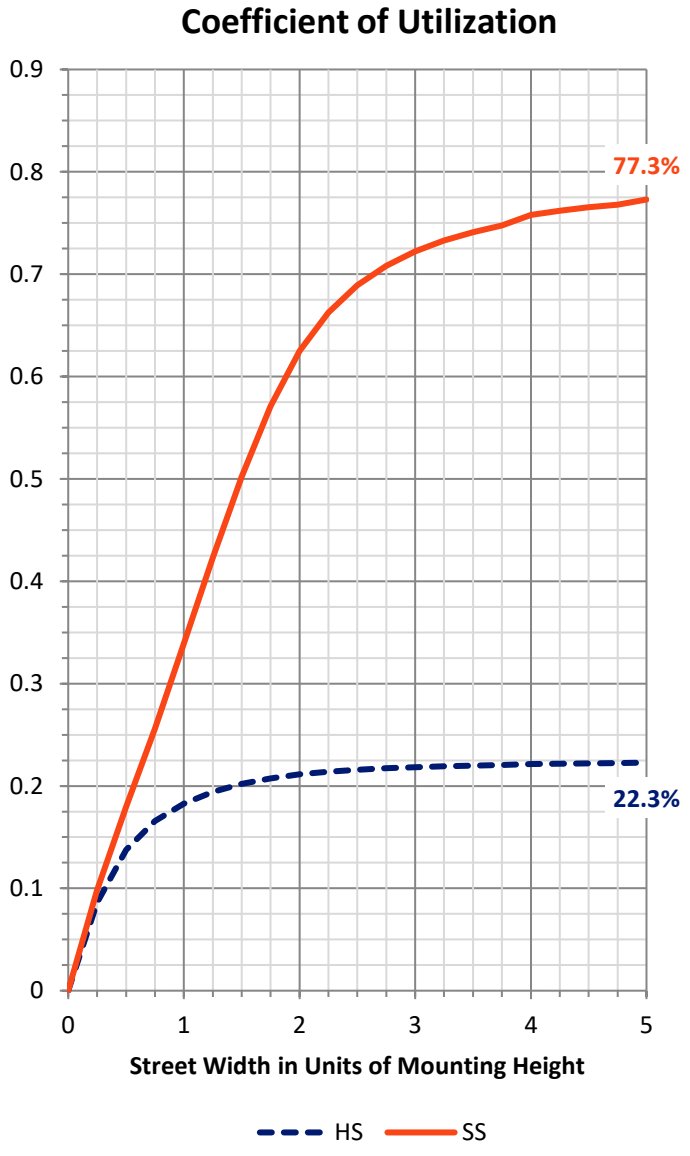
REPORT NUMBER: P1365297
CATALOG NUMBER: GSS-SB1C-722-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	951.2	0.0	951.2
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	3277.3	0.0	3277.3
	% Fixture	77.5	0.0	77.5
Total	Lumens	4228.4	0.0	4228.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.7
10°-20°	194.2	4.6
20°-30°	278.1	6.6
30°-40°	348.9	8.3
40°-50°	573.1	13.6
50°-60°	1034.7	24.5
60°-70°	1148.7	27.2
70°-80°	519.2	12.3
80°-90°	61.5	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°	4228.4	100.0
0°-180°	4228.4	100.0



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

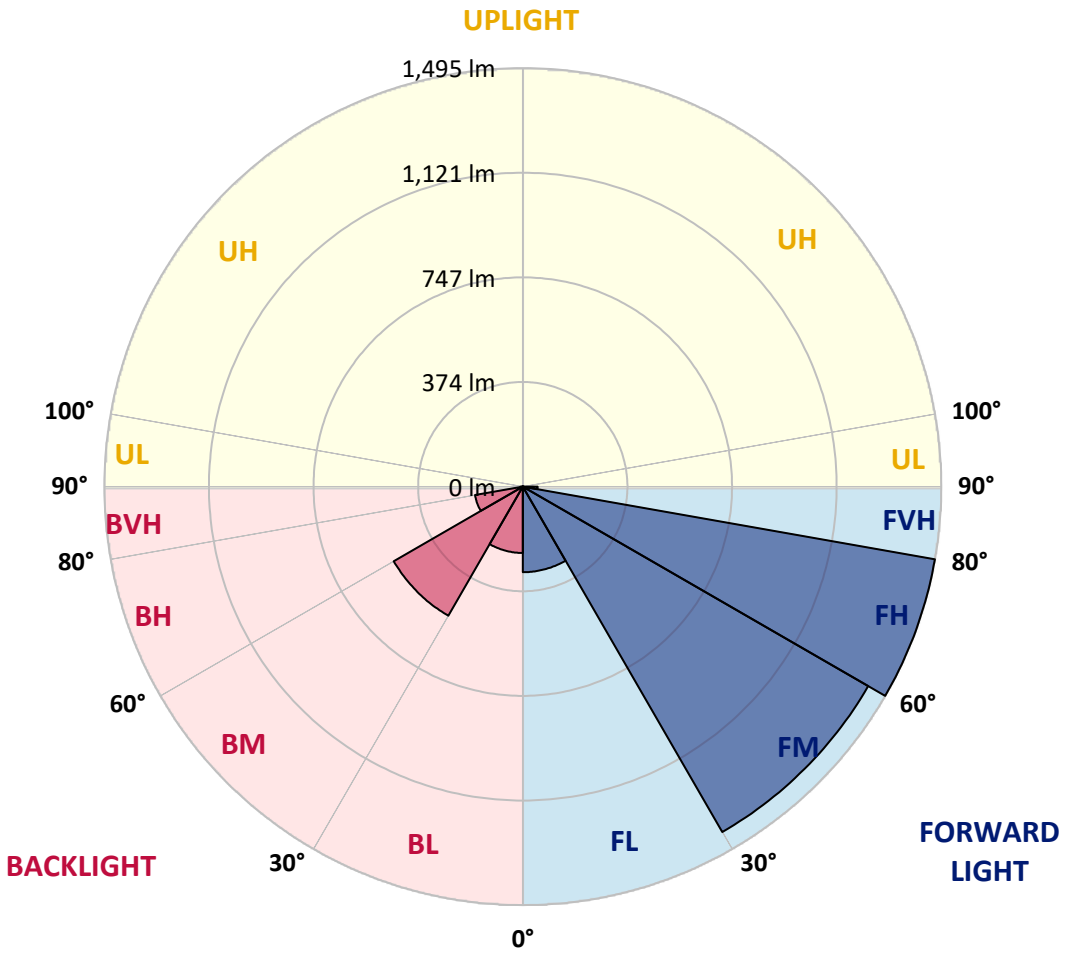
Scaled Data Report

REPORT NUMBER: P1365297
CATALOG NUMBER: GSS-SB1C-722-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	305.5	7.2			
FM	(30°-60°)	1424.4	33.7			
FH	(60°-80°)	1494.6	35.3			G1/1800
FVH	(80°-90°)	52.8	1.2			G1/100
BL	(0°-30°)	237.0	5.6	B1/500		
BM	(30°-60°)	532.2	12.6	B1/1000		
BH	(60°-80°)	173.3	4.1	B1/500		G1/500
BVH	(80°-90°)	8.7	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Short



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

Scaled Data Report

REPORT NUMBER: P1365297
CATALOG NUMBER: GSS-SB1C-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5
2.5°	804.5	814.8	813.6	827.8	840.8	849.9	857.7	855.1	848.6	835.6	826.5
5°	888.8	896.6	909.6	936.8	957.6	975.7	973.1	975.7	956.3	936.8	913.5
7.5°	961.5	970.6	988.7	1027.6	1053.6	1075.7	1073.1	1065.3	1043.2	1010.8	975.7
10°	1006.9	1013.4	1032.8	1077.0	1106.8	1125.0	1118.5	1105.5	1077.0	1044.5	1003.0
12.5°	1026.3	1034.1	1051.0	1086.0	1105.5	1101.6	1099.0	1096.4	1082.1	1057.5	1019.9
15°	1028.9	1034.1	1047.1	1062.7	1054.9	1032.8	1027.6	1047.1	1065.3	1060.1	1028.9
17.5°	1028.9	1036.7	1039.3	1023.8	983.5	943.3	938.1	970.6	1021.2	1061.4	1043.2
20°	1032.8	1036.7	1031.5	980.9	905.7	861.6	852.5	892.7	968.0	1047.1	1057.5
22.5°	1038.0	1041.9	1019.9	930.3	842.1	795.4	790.2	820.0	908.3	1026.3	1073.1
25°	1048.4	1045.8	1012.1	886.2	786.3	742.2	734.4	773.3	859.0	1005.6	1099.0
27.5°	1061.4	1049.7	1001.7	849.9	746.1	699.4	694.2	731.8	817.4	979.6	1121.1
30°	1078.2	1066.6	1000.4	821.3	716.2	669.5	663.0	704.6	788.9	961.5	1152.2
32.5°	1101.6	1084.7	1001.7	799.3	699.4	655.3	651.4	695.5	777.2	951.1	1184.6
35°	1132.7	1108.1	1006.9	791.5	704.6	674.7	683.8	717.5	788.9	958.9	1237.8
37.5°	1171.7	1148.3	1032.8	808.4	761.7	782.4	805.8	818.7	844.7	995.2	1323.5
40°	1236.5	1204.1	1071.8	862.9	914.8	1012.1	1057.5	1052.3	992.6	1078.2	1444.2
42.5°	1327.4	1297.5	1150.9	1001.7	1170.4	1376.7	1453.2	1409.1	1228.8	1210.6	1642.7
45°	1466.2	1416.9	1257.3	1208.0	1479.2	1817.8	1990.4	1838.6	1528.5	1419.5	1925.5
47.5°	1644.0	1594.7	1423.4	1414.3	1824.3	2362.8	2567.8	2269.4	1825.6	1693.3	2264.2
50°	1929.4	1874.9	1667.3	1624.5	2205.8	2906.5	3180.2	2698.9	2128.0	1983.9	2682.0
52.5°	2321.3	2285.0	2054.0	1841.2	2547.1	3505.9	3742.1	3147.8	2361.5	2316.1	3137.4
55°	2867.5	2832.5	2557.4	2082.5	2870.1	4106.7	4297.4	3556.5	2565.2	2705.4	3613.6
57.5°	3486.5	3544.9	3246.4	2404.3	3210.1	4590.7	4856.7	3927.6	2840.3	3225.7	4143.0
60°	3890.0	4074.2	4036.6	2966.2	3738.2	5192.7	5482.1	4424.6	3242.5	3608.4	4131.3
62.5°	3539.7	3723.9	4012.0	3617.5	4246.8	5737.7	5981.6	4947.5	3642.2	3303.5	3469.6
65°	3003.8	3233.4	3537.1	3142.6	4157.3	5754.5	6005.0	4966.9	3398.2	2442.0	2460.1
67.5°	2588.6	2792.3	3166.0	2674.2	3685.0	5240.7	5438.0	4431.1	2809.2	1619.3	1605.0
70°	2160.4	2347.2	2819.5	2381.0	3228.3	4516.7	4346.7	3725.2	2374.5	1075.7	891.4
72.5°	1841.2	2013.8	2505.5	2139.6	2561.3	3660.3	2996.0	3090.7	1932.0	683.8	607.2
75°	1523.3	1681.6	2130.5	1937.2	2118.9	2283.7	2070.9	2195.4	1592.1	580.0	468.4
77.5°	1069.2	1167.8	1494.8	1541.5	1649.2	1352.0	1313.1	1537.6	1132.7	288.1	197.2
80°	526.8	587.8	779.8	917.4	779.8	766.8	874.5	1023.8	587.8	176.5	109.0
82.5°	236.2	280.3	359.4	555.3	281.6	306.2	386.7	545.0	267.3	105.1	46.7
85°	37.6	41.5	70.1	93.4	76.6	118.1	112.9	106.4	57.1	28.5	13.0
87.5°	1.3	1.3	1.3	2.6	3.9	5.2	6.5	6.5	6.5	6.5	6.5
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: P1365297
CATALOG NUMBER: GSS-SB1C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5
2.5°	823.9	820.0	800.6	781.1	764.2	747.4	730.5	707.2	689.0	673.4	666.9
5°	901.8	881.0	851.2	818.7	790.2	757.8	726.6	691.6	663.0	633.2	617.6
7.5°	955.0	934.2	884.9	835.6	800.6	765.5	733.1	694.2	656.6	613.7	590.4
10°	979.6	956.3	903.1	846.0	803.2	768.1	738.3	705.9	668.2	615.0	583.9
12.5°	996.5	968.0	907.0	848.6	805.8	769.4	740.9	717.5	695.5	643.6	607.2
15°	1006.9	980.9	917.4	849.9	801.9	759.1	731.8	724.0	727.9	703.3	659.1
17.5°	1022.5	997.8	930.3	857.7	795.4	737.0	707.2	724.0	759.1	766.8	731.8
20°	1043.2	1017.3	947.2	864.2	775.9	695.5	666.9	709.7	768.1	808.4	788.9
22.5°	1066.6	1045.8	966.7	870.6	747.4	641.0	628.0	679.9	742.2	794.1	795.4
25°	1095.1	1075.7	993.9	877.1	708.5	594.3	596.9	641.0	690.3	743.5	752.6
27.5°	1134.0	1115.9	1027.6	884.9	668.2	556.6	569.6	602.1	635.8	668.2	681.2
30°	1176.9	1162.6	1067.9	900.5	630.6	534.6	542.4	564.4	591.7	611.1	617.6
32.5°	1235.2	1211.9	1105.5	899.2	602.1	524.2	516.4	522.9	545.0	564.4	565.7
35°	1307.9	1289.7	1144.4	875.8	576.1	519.0	491.8	487.9	500.8	520.3	519.0
37.5°	1414.3	1398.7	1208.0	839.5	543.7	506.0	465.8	452.8	461.9	474.9	478.8
40°	1573.9	1533.7	1280.7	799.3	511.2	482.7	434.7	416.5	423.0	437.3	439.9
42.5°	1790.6	1714.0	1378.0	744.8	480.1	447.6	403.5	384.1	388.0	400.9	403.5
45°	2068.3	1952.8	1511.6	687.7	455.4	411.3	371.1	350.3	354.2	368.5	375.0
47.5°	2392.6	2234.3	1651.8	626.7	441.2	382.8	338.7	323.1	332.2	346.4	349.0
50°	2775.4	2615.8	1741.3	577.4	432.1	360.7	308.8	302.3	314.0	325.7	328.3
52.5°	3193.2	2966.2	1684.2	537.2	424.3	352.9	288.1	290.6	299.7	311.4	315.3
55°	3599.3	3094.6	1494.8	485.3	415.2	358.1	272.5	279.0	290.6	299.7	302.3
57.5°	3864.0	2986.9	1204.1	430.8	404.8	362.0	264.7	269.9	282.9	293.2	294.5
60°	3633.1	2750.8	901.8	384.1	382.8	355.5	262.1	254.3	272.5	281.6	282.9
62.5°	2976.5	2249.9	576.1	340.0	341.3	341.3	260.8	228.4	251.7	259.5	258.2
65°	*2044.9*	*1590.8*	*356.8*	*277.7*	*290.6*	*310.1*	*253.0*	*201.1*	*228.4*	*236.2*	*233.6*
67.5°	1344.2	1010.8	220.6	214.1	238.7	268.6	237.4	180.4	205.0	210.2	202.4
70°	729.2	476.2	145.3	140.1	186.8	211.5	201.1	162.2	183.0	188.1	180.4
72.5°	481.4	273.8	102.5	102.5	146.6	147.9	164.8	145.3	162.2	167.4	159.6
75°	362.0	176.5	71.4	79.1	93.4	115.5	118.1	122.0	137.5	144.0	136.2
77.5°	166.1	64.9	42.8	58.4	64.9	88.2	75.3	90.8	102.5	105.1	98.6
80°	96.0	36.3	28.5	37.6	41.5	72.7	44.1	54.5	72.7	76.6	68.8
82.5°	40.2	18.2	19.5	23.4	24.7	40.2	31.1	35.0	48.0	46.7	41.5
85°	11.7	11.7	13.0	14.3	14.3	23.4	22.1	20.8	22.1	22.1	18.2
87.5°	7.8	7.8	7.8	9.1	9.1	10.4	11.7	13.0	13.0	13.0	11.7
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: P1365297
CATALOG NUMBER: GSS-SB1C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5
2.5°	657.8	646.2	629.3	626.7	617.6	611.1	617.6	624.1	635.8	637.1	642.3
5°	603.4	576.1	555.3	532.0	520.3	519.0	516.4	524.2	541.1	551.5	559.2
7.5°	567.0	517.7	481.4	448.9	437.3	428.2	436.0	434.7	456.7	465.8	473.6
10°	547.6	478.8	424.3	384.1	368.5	359.4	358.1	360.7	373.7	382.8	391.9
12.5°	560.5	463.2	382.8	336.1	319.2	308.8	299.7	299.7	302.3	314.0	317.9
15°	603.4	472.3	363.3	312.7	290.6	273.8	262.1	253.0	254.3	255.6	259.5
17.5°	665.6	495.7	356.8	298.4	275.1	254.3	242.6	232.3	229.7	229.7	228.4
20°	725.3	513.8	351.6	286.8	256.9	238.7	228.4	219.3	215.4	215.4	215.4
22.5°	750.0	529.4	345.1	272.5	238.7	221.9	212.8	206.3	205.0	205.0	203.7
25°	730.5	524.2	337.4	258.2	221.9	208.9	201.1	194.6	193.3	194.6	193.3
27.5°	669.5	506.0	327.0	246.5	208.9	197.2	190.7	184.2	183.0	184.2	184.2
30°	604.6	474.9	310.1	237.4	198.5	185.5	179.1	172.6	172.6	173.9	175.2
32.5°	552.7	443.8	290.6	225.8	186.8	175.2	168.7	162.2	162.2	164.8	164.8
35°	508.6	419.1	271.2	214.1	176.5	163.5	158.3	153.1	151.8	154.4	155.7
37.5°	473.6	397.0	250.4	202.4	166.1	154.4	149.2	142.7	141.4	144.0	146.6
40°	437.3	372.4	232.3	188.1	155.7	144.0	138.8	131.1	131.1	133.6	136.2
42.5°	402.2	350.3	220.6	175.2	145.3	132.3	127.2	120.7	120.7	123.3	125.9
45°	373.7	329.6	214.1	162.2	133.6	122.0	115.5	110.3	111.6	114.2	116.8
47.5°	346.4	307.5	215.4	155.7	125.9	110.3	103.8	99.9	102.5	106.4	109.0
50°	325.7	291.9	216.7	145.3	115.5	101.2	94.7	92.1	96.0	99.9	102.5
52.5°	312.7	276.4	208.9	132.3	107.7	92.1	88.2	88.2	92.1	94.7	97.3
55°	299.7	250.4	192.0	118.1	99.9	85.6	83.0	83.0	86.9	89.5	90.8
57.5°	289.3	223.2	172.6	106.4	90.8	79.1	79.1	79.1	80.4	81.7	84.3
60°	269.9	194.6	147.9	97.3	81.7	74.0	72.7	72.7	71.4	72.7	76.6
62.5°	236.2	163.5	125.9	86.9	74.0	67.5	66.2	62.3	58.4	59.7	62.3
65°	*199.8*	*129.8*	*105.1*	*75.3*	*63.6*	*59.7*	*58.4*	*51.9*	*46.7*	*48.0*	*51.9*
67.5°	159.6	97.3	88.2	64.9	54.5	50.6	50.6	46.7	42.8	42.8	45.4
70°	124.6	81.7	66.2	51.9	42.8	42.8	45.4	41.5	36.3	36.3	40.2
72.5°	101.2	66.2	53.2	40.2	33.7	36.3	37.6	33.7	29.8	29.8	32.4
75°	79.1	51.9	41.5	29.8	26.0	27.2	29.8	27.2	23.4	24.7	26.0
77.5°	54.5	35.0	27.2	22.1	19.5	20.8	20.8	19.5	18.2	18.2	19.5
80°	36.3	23.4	18.2	15.6	14.3	14.3	13.0	13.0	14.3	14.3	15.6
82.5°	26.0	16.9	14.3	11.7	9.1	9.1	10.4	10.4	11.7	11.7	13.0
85°	15.6	11.7	10.4	7.8	6.5	7.8	7.8	9.1	10.4	10.4	11.7
87.5°	11.7	9.1	7.8	6.5	5.2	5.2	6.5	6.5	7.8	9.1	9.1
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: P1365297
CATALOG NUMBER: GSS-SB1C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5
2.5°	655.3	670.8	692.9	712.3	735.7	759.1	781.1	801.9	803.2	804.5
5°	583.9	615.0	651.4	695.5	742.2	787.6	835.6	874.5	883.6	888.8
7.5°	504.7	550.2	605.9	668.2	738.3	808.4	875.8	934.2	956.3	961.5
10°	421.7	477.5	545.0	625.4	720.1	813.6	904.4	975.7	1001.7	1006.9
12.5°	347.7	393.2	471.0	568.3	682.5	805.8	914.8	993.9	1019.9	1026.3
15°	284.2	327.0	399.6	502.1	630.6	778.5	907.0	997.8	1023.8	1028.9
17.5°	234.9	262.1	328.3	439.9	583.9	743.5	896.6	1000.4	1025.0	1028.9
20°	215.4	220.6	255.6	364.6	534.6	717.5	890.1	1004.3	1028.9	1032.8
22.5°	206.3	206.3	214.1	277.7	465.8	690.3	887.5	1016.0	1034.1	1038.0
25°	197.2	197.2	199.8	218.0	384.1	656.6	892.7	1036.7	1048.4	1048.4
27.5°	188.1	188.1	190.7	194.6	285.5	600.8	894.0	1060.1	1065.3	1061.4
30°	179.1	181.7	181.7	184.2	210.2	530.7	886.2	1086.0	1086.0	1078.2
32.5°	170.0	171.3	173.9	175.2	183.0	439.9	873.2	1118.5	1112.0	1101.6
35°	162.2	163.5	163.5	166.1	173.9	351.6	859.0	1162.6	1144.4	1132.7
37.5°	151.8	153.1	154.4	157.0	164.8	279.0	838.2	1200.2	1187.2	1171.7
40°	142.7	144.0	145.3	147.9	155.7	240.0	812.3	1257.3	1254.7	1236.5
42.5°	132.3	134.9	136.2	137.5	147.9	219.3	794.1	1349.4	1349.4	1327.4
45°	123.3	125.9	125.9	128.5	142.7	201.1	834.3	1476.6	1487.0	1466.2
47.5°	115.5	116.8	116.8	118.1	134.9	185.5	942.0	1671.2	1658.2	1644.0
50°	107.7	110.3	107.7	109.0	128.5	194.6	1119.8	1920.3	1954.1	1929.4
52.5°	102.5	103.8	98.6	98.6	119.4	206.3	1265.1	2238.2	2351.1	2321.3
55°	96.0	97.3	90.8	90.8	105.1	179.1	1274.2	2600.3	2848.1	2867.5
57.5°	89.5	89.5	84.3	83.0	90.8	145.3	1130.1	2880.5	3442.3	3486.5
60°	81.7	80.4	77.9	75.3	83.0	133.6	861.6	2842.9	3736.9	3890.0
62.5°	70.1	72.7	71.4	66.2	75.3	124.6	561.8	2460.1	3404.7	3539.7
65°	*58.4*	*62.3*	*62.3*	*58.4*	*83.0*	*109.0*	*295.8*	*1969.7*	*2841.6*	*3003.8*
67.5°	51.9	54.5	53.2	50.6	74.0	68.8	142.7	1510.3	2432.9	2588.6
70°	45.4	48.0	44.1	41.5	59.7	49.3	84.3	1010.8	2008.6	2160.4
72.5°	37.6	40.2	36.3	32.4	44.1	37.6	55.8	657.8	1672.5	1841.2
75°	31.1	32.4	29.8	26.0	32.4	29.8	38.9	429.5	1398.7	1523.3
77.5°	22.1	24.7	23.4	19.5	23.4	20.8	27.2	245.2	975.7	1069.2
80°	16.9	16.9	16.9	15.6	14.3	14.3	18.2	110.3	473.6	526.8
82.5°	14.3	14.3	13.0	11.7	10.4	9.1	10.4	32.4	223.2	236.2
85°	13.0	10.4	9.1	7.8	6.5	3.9	3.9	9.1	45.4	37.6
87.5°	7.8	6.5	5.2	2.6	1.3	1.3	0.0	1.3	1.3	1.3
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

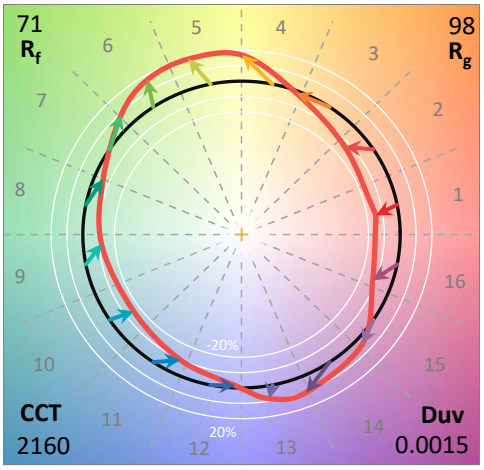
Test Information

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

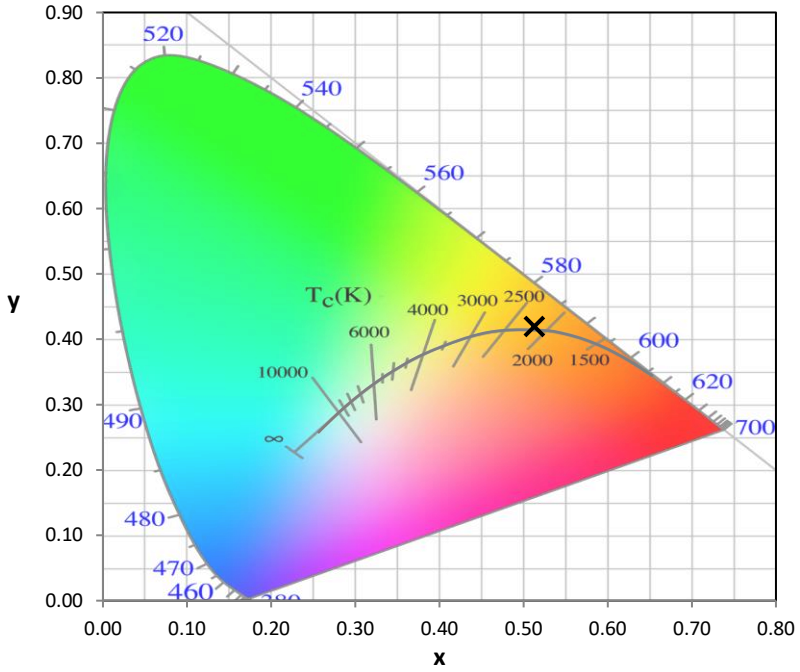
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

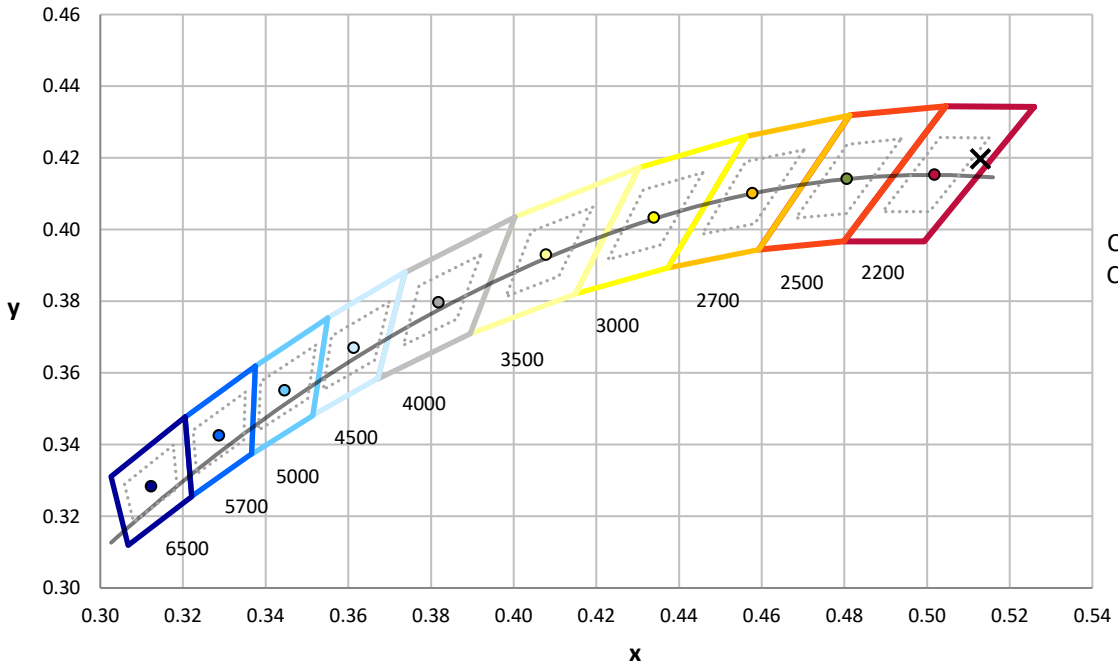
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

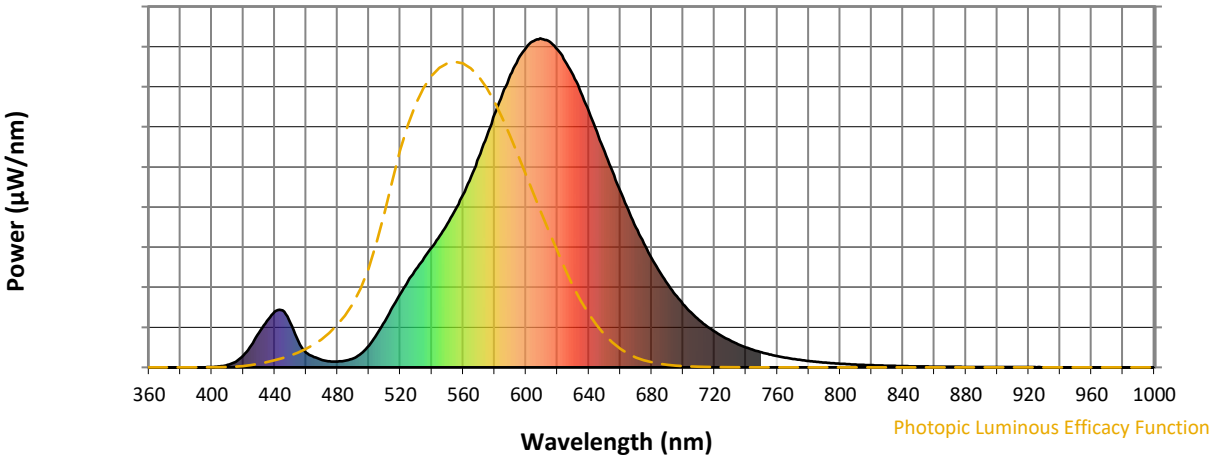


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

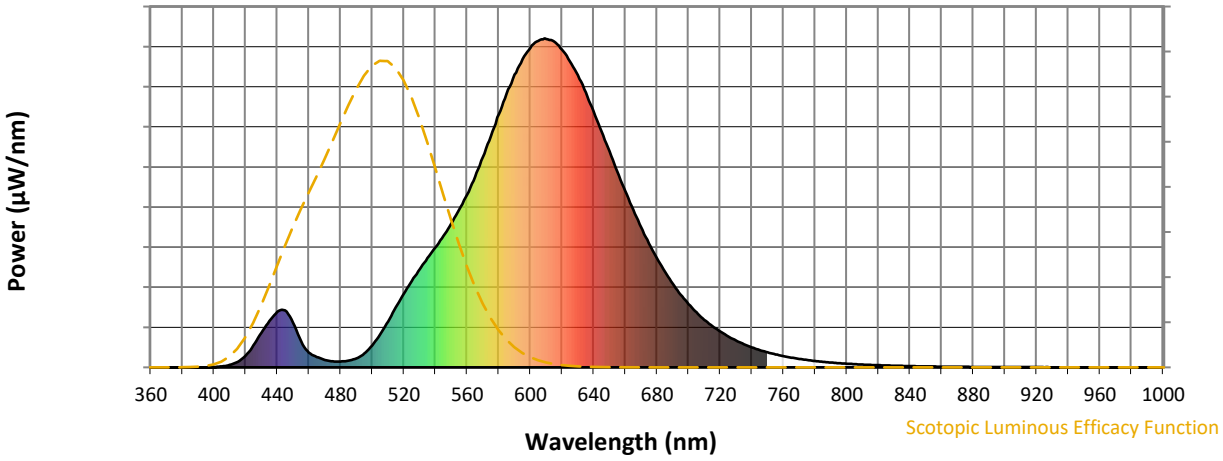


Photopic Lumens: NR

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

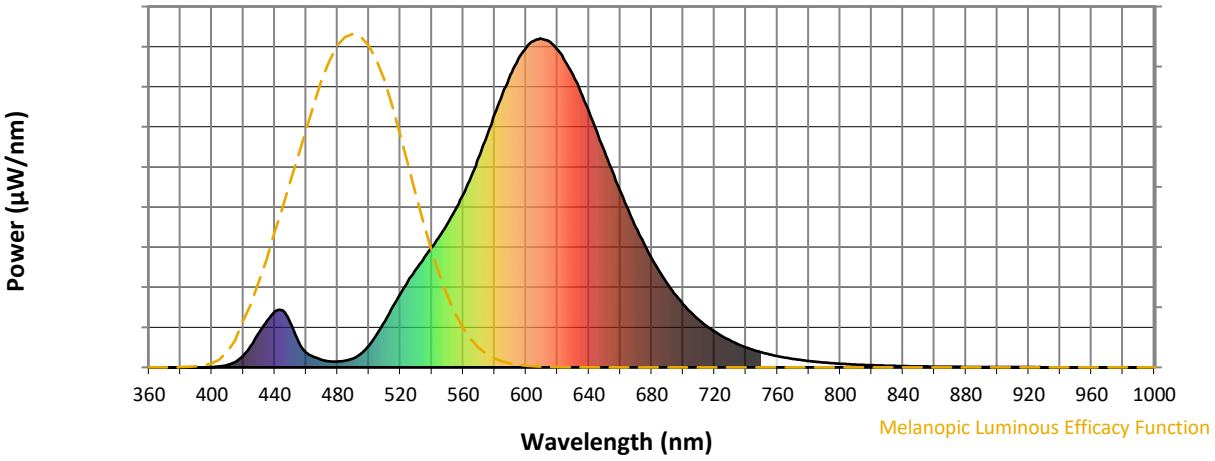


Scotopic Lumens: NR **S/P: 0.8**

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			

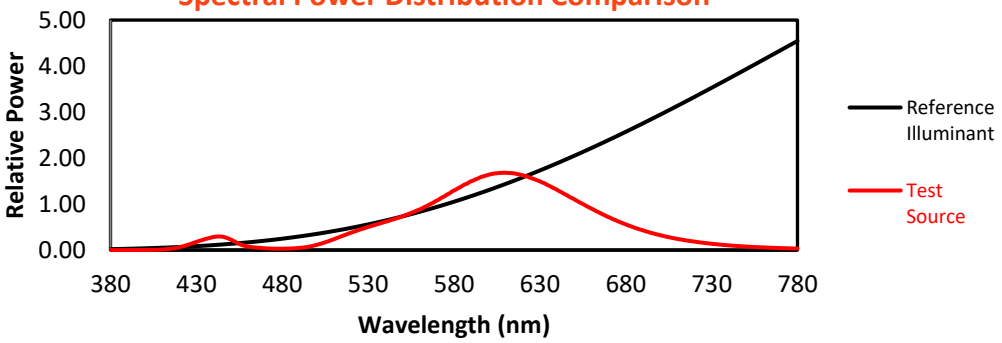
REPORT NUMBER: SP1-2407-184-2

TM-30-18

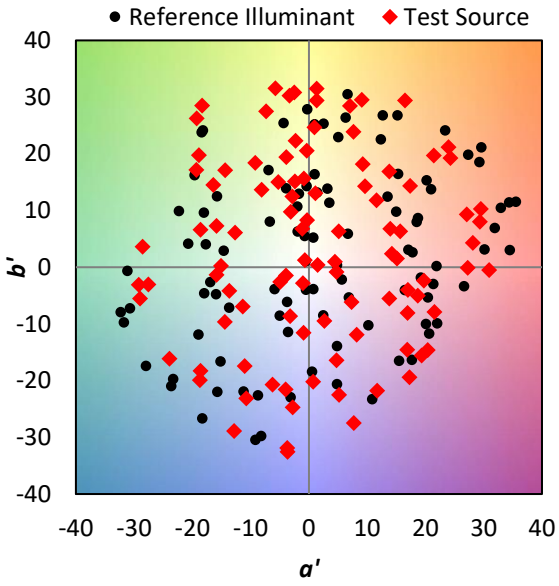
Summary

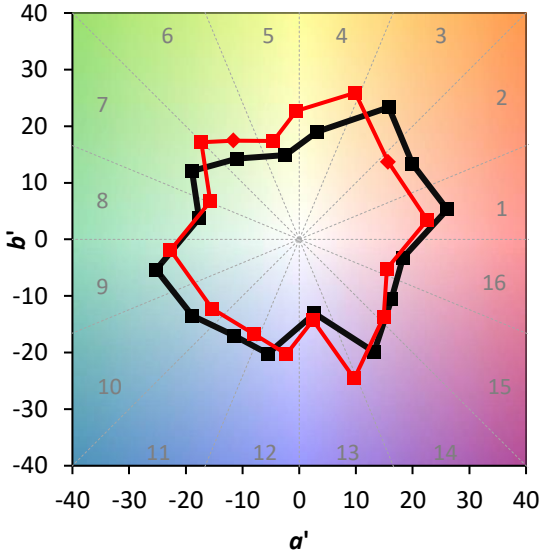
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

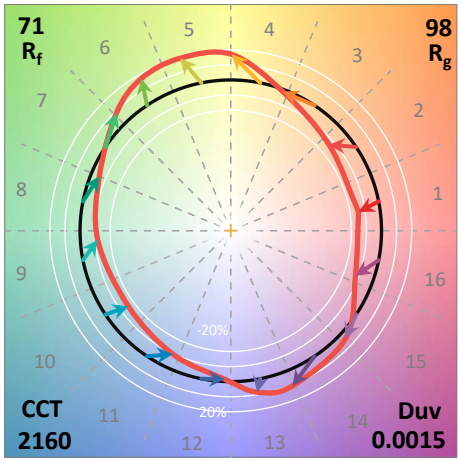
Spectral Power Distribution Comparison

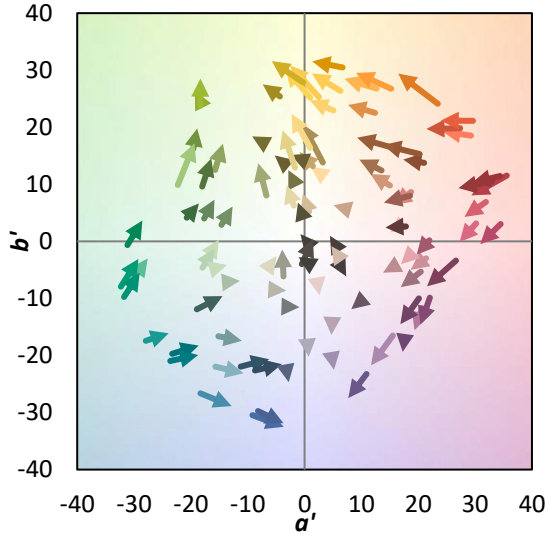


Color Vector Graphics







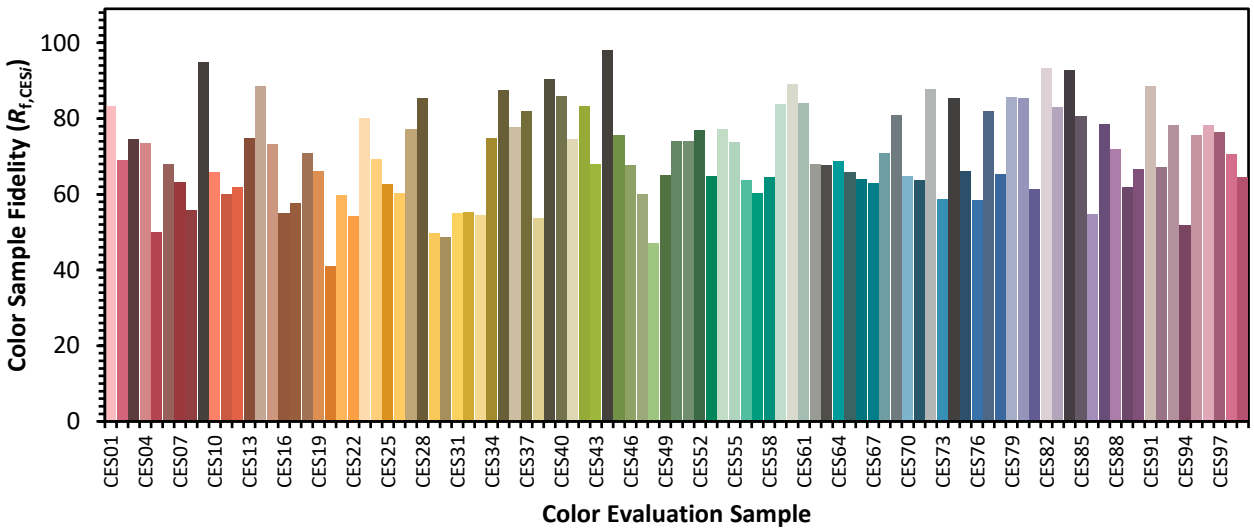


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

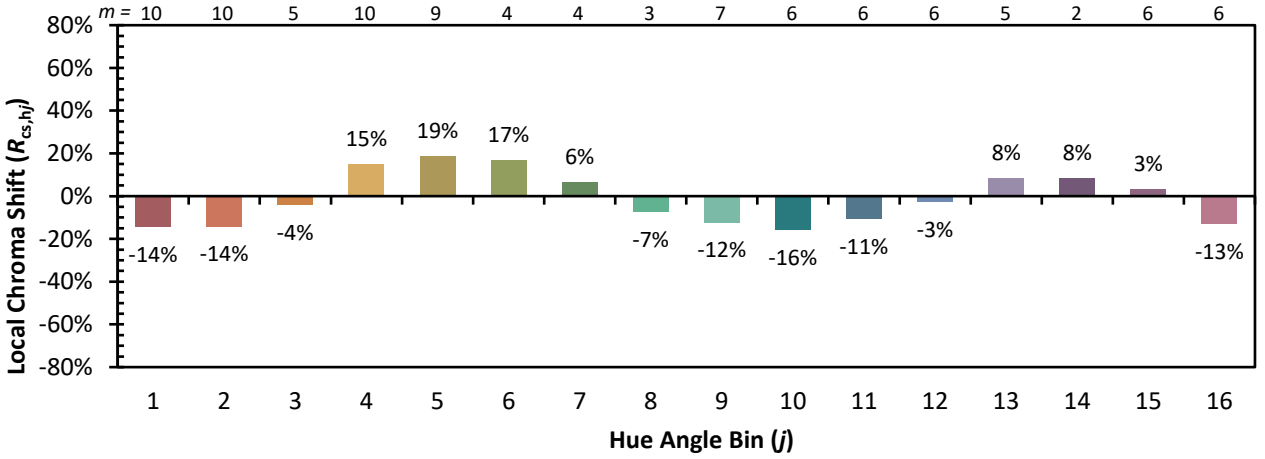
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

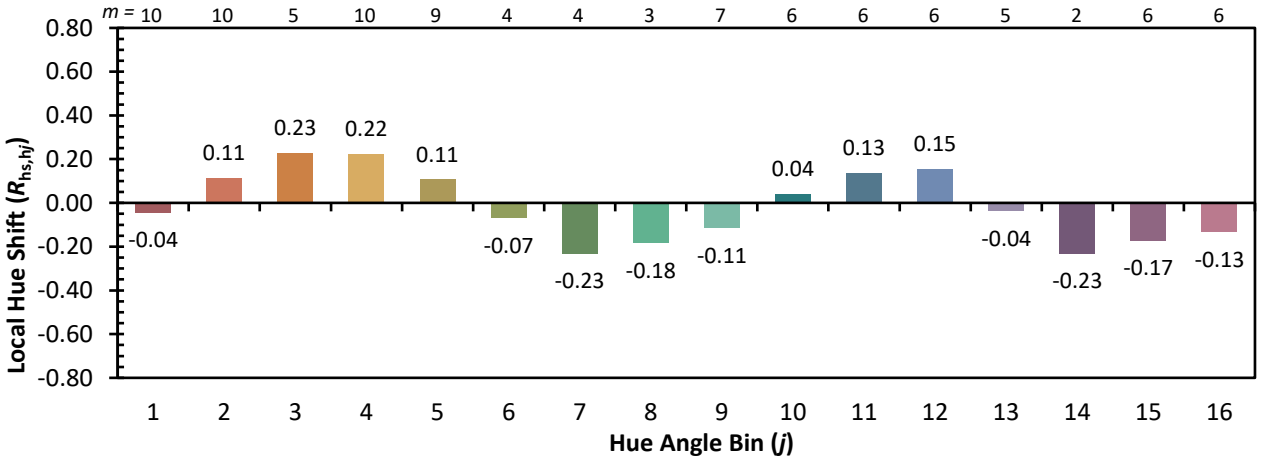


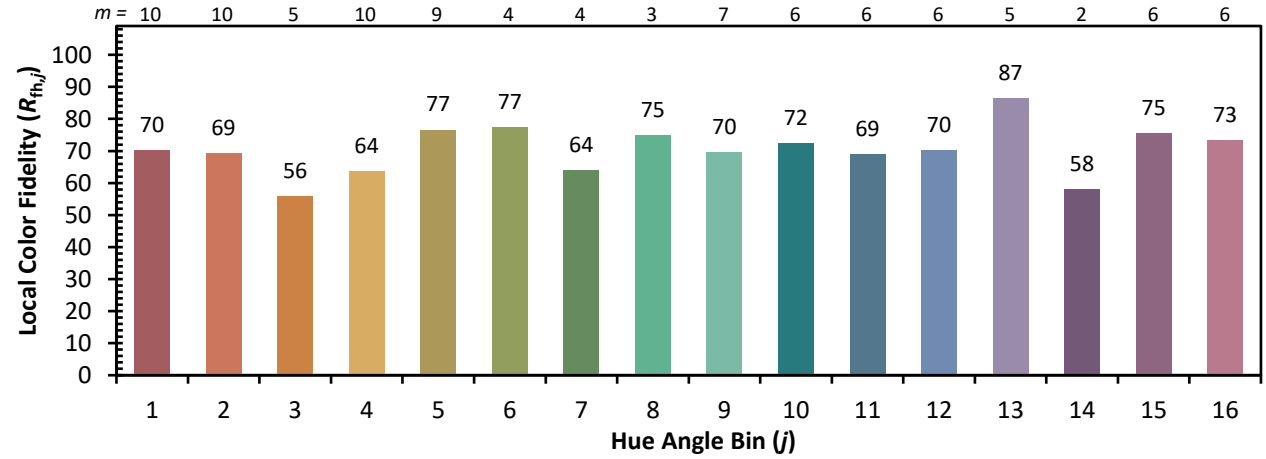
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



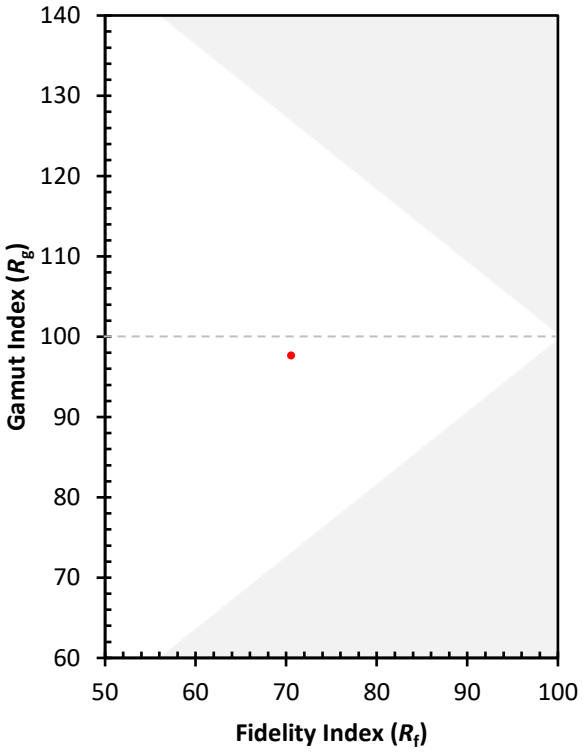


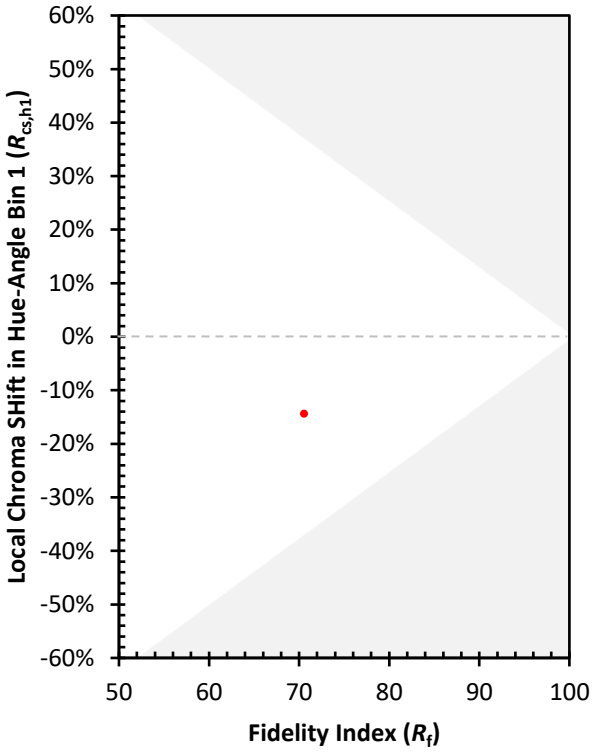


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)