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: P1501928

Luminaire Tested: GSS-SB1D-835-U-T2LG-HSS

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:	P1501928
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-835-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6999.2 lumens
Efficiency:	N/A
Efficacy:	92.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

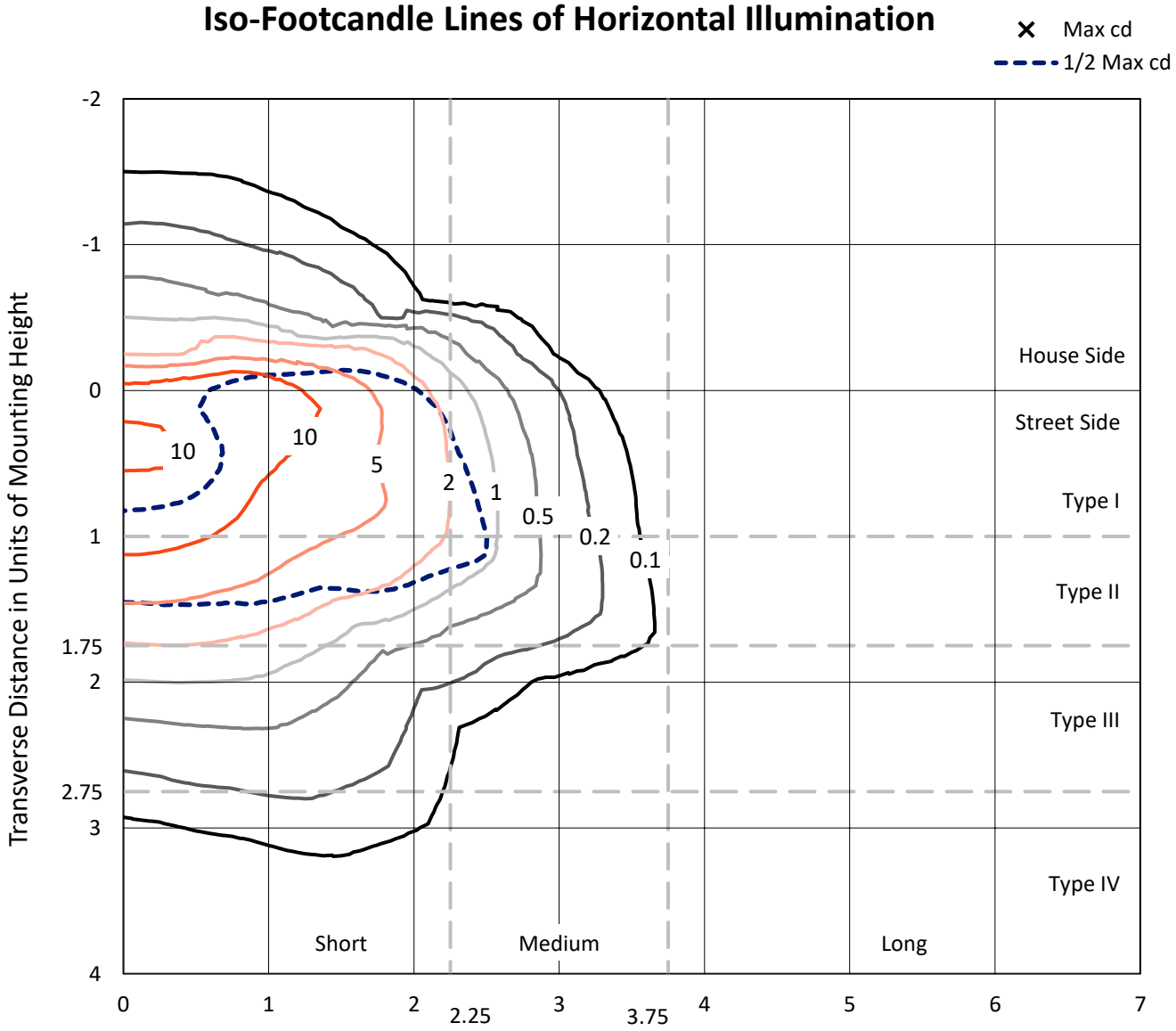
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



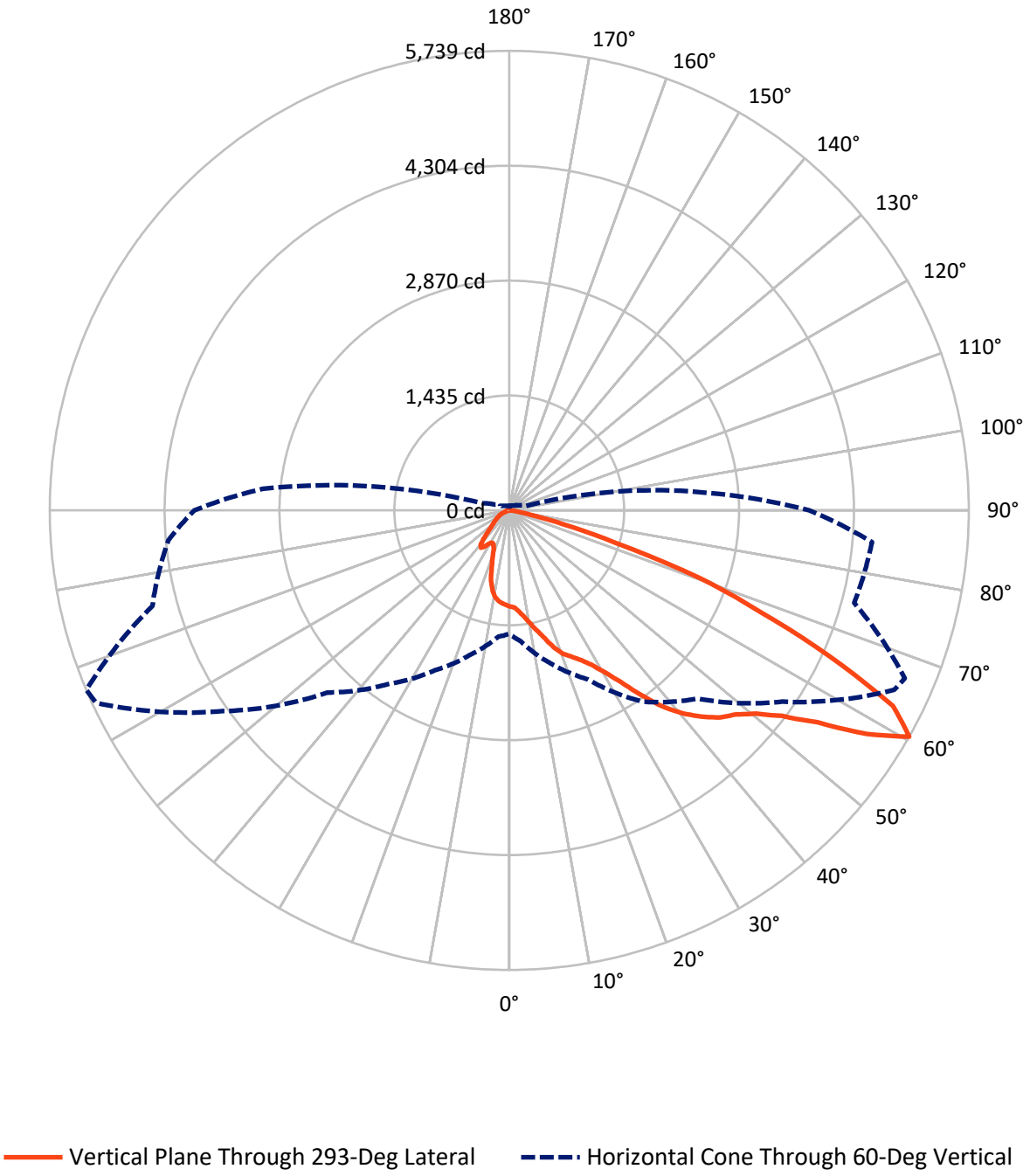
Based on 10 foot mounting height. Maximum calculated value = 19.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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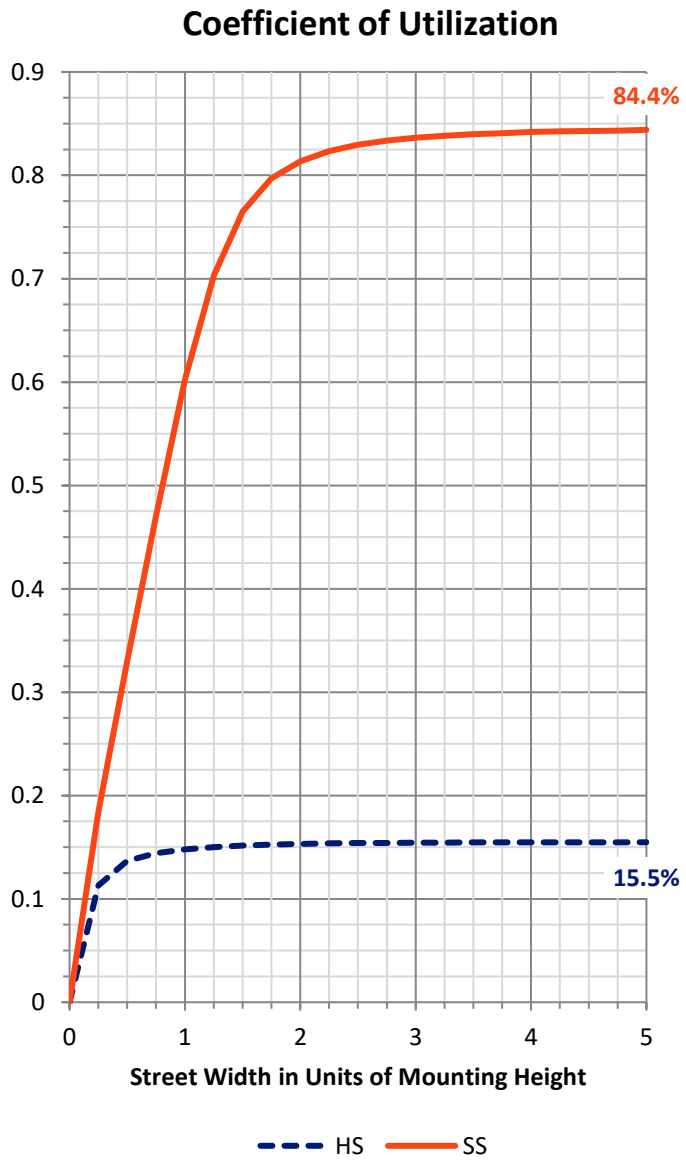
REPORT NUMBER: P1501928
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1092.0	0.0	1092.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	5907.1	0.0	5907.1
	% Fixture	84.4	0.0	84.4
Total	Lumens	6999.2	0.0	6999.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	1.6
10°-20°	273.6	3.9
20°-30°	510.7	7.3
30°-40°	1012.8	14.5
40°-50°	1614.7	23.1
50°-60°	1929.2	27.6
60°-70°	1264.7	18.1
70°-80°	265.0	3.8
80°-90°	20.0	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6999.2	100.0
0°-180°	6999.2	100.0



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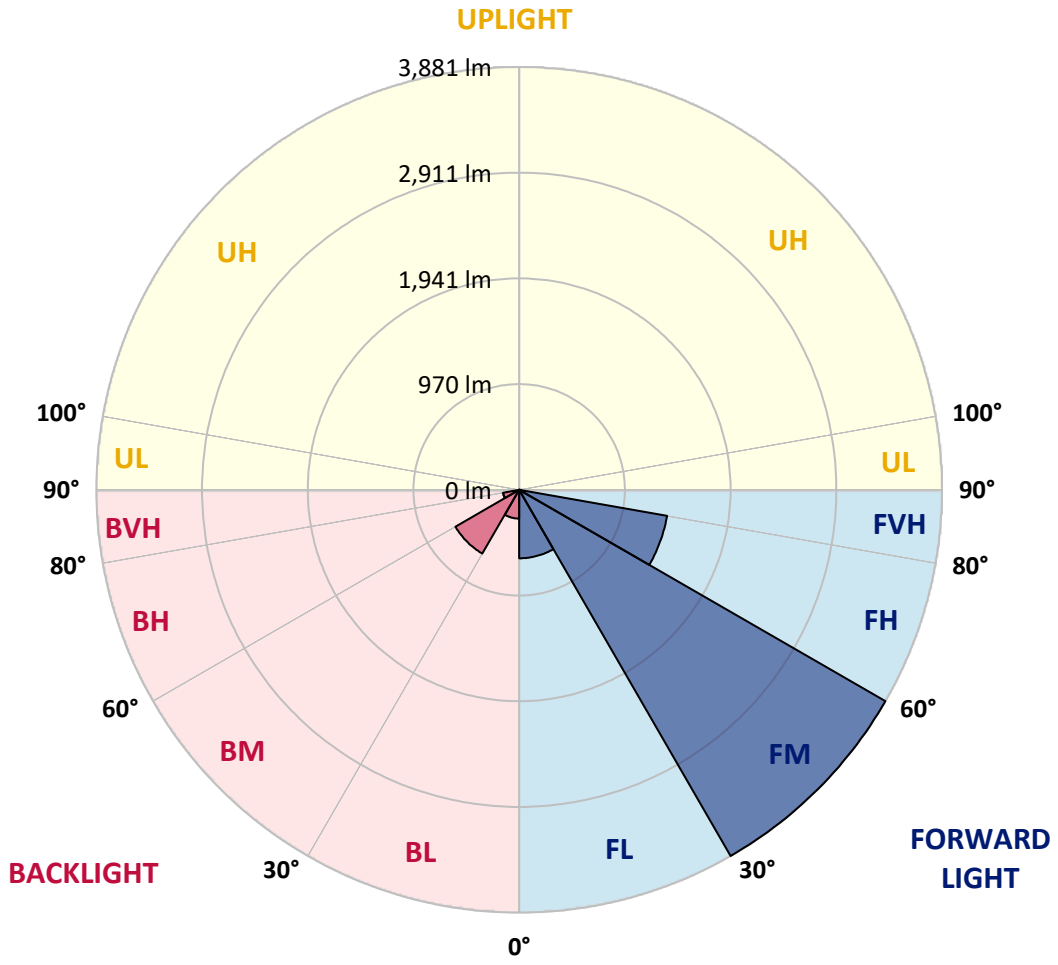
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	628.7	9.0			
FM	(30°-60°)	3881.3	55.5			
FH	(60°-80°)	1378.8	19.7			G1/1800
FVH	(80°-90°)	18.4	0.3			G1/100
BL	(0°-30°)	264.2	3.8	B1/500		
BM	(30°-60°)	675.3	9.6	B1/1000		
BH	(60°-80°)	150.8	2.2	B1/500		G1/500
BVH	(80°-90°)	1.7	0.0			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6
2.5°	1260.3	1256.4	1250.5	1252.5	1250.5	1242.7	1230.9	1221.1	1229.0	1217.2	1209.4
5°	1297.6	1297.6	1293.7	1293.7	1295.6	1291.7	1283.9	1270.1	1272.1	1262.3	1236.8
7.5°	1297.6	1291.7	1301.5	1311.3	1329.0	1338.8	1342.7	1334.8	1338.8	1319.2	1285.8
10°	1221.1	1217.2	1242.7	1279.9	1330.9	1376.0	1405.4	1407.4	1413.2	1393.6	1354.4
12.5°	1058.5	1050.6	1101.6	1172.1	1276.0	1379.9	1462.2	1493.6	1507.3	1499.5	1444.6
15°	907.5	917.3	952.6	1029.1	1168.2	1327.0	1493.6	1597.5	1617.1	1626.9	1562.2
17.5°	891.8	893.8	905.6	942.8	1048.7	1240.7	1497.5	1705.3	1732.7	1775.9	1687.7
20°	935.0	931.0	942.8	954.6	1005.5	1164.3	1460.3	1809.2	1862.1	1954.2	1858.2
22.5°	1015.3	1015.3	1021.2	1029.1	1054.5	1158.4	1444.6	1905.2	1995.4	2183.6	2071.8
25°	1150.6	1134.9	1138.8	1129.0	1150.6	1229.0	1479.9	1981.7	2105.2	2438.4	2326.6
27.5°	1360.3	1366.2	1330.9	1278.0	1289.7	1356.4	1566.1	2067.9	2218.8	2703.0	2585.4
30°	1650.4	1640.6	1619.0	1515.2	1468.1	1526.9	1724.9	2209.0	2371.7	3038.2	2930.4
32.5°	1877.8	1905.2	1868.0	1795.5	1722.9	1740.6	1948.3	2436.4	2557.9	3345.9	3287.1
35°	2152.2	2152.2	2160.0	2058.1	2009.1	2005.2	2228.6	2683.4	2804.9	3624.2	3665.4
37.5°	2522.7	2497.2	2454.1	2340.4	2303.1	2352.1	2491.3	2938.2	3069.5	3849.6	3959.4
40°	2834.3	2852.0	2846.1	2681.4	2608.9	2661.8	2785.3	3155.8	3257.7	3994.7	4196.6
42.5°	3140.1	3149.9	3124.4	3046.0	2940.2	2944.1	3046.0	3320.4	3424.3	4133.9	4420.0
45°	3369.4	3367.5	3349.8	3330.2	3267.5	3202.8	3220.5	3502.7	3592.9	4178.9	4541.6
47.5°	3441.9	3457.6	3473.3	3528.2	3571.3	3469.4	3379.2	3600.7	3683.0	4171.1	4586.6
50°	3375.3	3408.6	3485.1	3567.4	3714.4	3706.6	3512.5	3706.6	3786.9	4214.2	4639.6
52.5°	3226.3	3259.7	3361.6	3510.5	3732.0	3841.8	3759.5	3884.9	3979.0	4324.0	4749.3
55°	2879.4	2893.1	3102.8	3298.9	3643.8	3783.0	4024.1	4186.8	4265.2	4457.3	4894.4
57.5°	2344.3	2377.6	2583.4	2902.9	3396.9	3628.2	4175.0	4702.3	4700.3	4584.7	4925.7
60°	*1542.6*	*1640.6*	*1975.8*	*2328.6*	*2918.6*	*3324.3*	*4165.2*	*5306.0*	*5366.8*	*4459.2*	*4547.4*
62.5°	1178.0	1219.2	1409.3	1703.3	2160.0	2755.9	4100.5	5486.3	5533.4	4122.1	3981.0
65°	886.0	936.9	1119.2	1381.9	1525.0	1868.0	3677.2	4768.9	4833.6	3679.1	3095.0
67.5°	542.9	584.1	827.2	1134.9	1154.5	1160.4	2481.5	3612.5	3636.0	2967.6	2083.6
70°	362.6	403.8	572.4	872.2	919.3	668.4	1362.3	2734.3	2732.4	2030.7	1266.2
72.5°	209.7	229.3	362.6	642.9	723.3	425.3	680.2	1738.6	1662.2	954.6	592.0
75°	119.6	133.3	199.9	413.6	507.7	270.5	268.5	931.0	823.2	492.0	323.4
77.5°	72.5	78.4	109.8	270.5	305.8	182.3	149.0	433.2	417.5	288.1	170.5
80°	35.3	41.2	66.6	158.8	196.0	98.0	90.2	170.5	182.3	158.8	90.2
82.5°	11.8	15.7	37.2	60.8	127.4	39.2	37.2	94.1	100.0	94.1	43.1
85°	5.9	7.8	17.6	19.6	49.0	19.6	13.7	41.2	51.0	31.4	17.6
87.5°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6
2.5°	1203.5	1199.6	1191.7	1178.0	1176.1	1166.3	1150.6	1140.8	1132.9	1138.8	1140.8
5°	1225.1	1215.3	1191.7	1154.5	1115.3	1076.1	1038.9	995.7	966.3	962.4	954.6
7.5°	1264.3	1244.7	1193.7	1121.2	1021.2	927.1	817.4	711.5	658.6	650.8	633.1
10°	1327.0	1293.7	1209.4	1062.4	870.3	674.3	507.7	394.0	329.3	317.5	321.5
12.5°	1401.5	1354.4	1211.3	962.4	662.5	417.5	288.1	245.0	231.3	225.4	225.4
15°	1497.5	1428.9	1209.4	833.0	446.9	268.5	231.3	213.7	207.8	203.9	203.9
17.5°	1619.0	1528.9	1195.7	639.0	301.9	233.3	211.7	198.0	190.1	188.2	188.2
20°	1762.1	1640.6	1164.3	476.3	252.9	217.6	199.9	182.3	176.4	172.5	172.5
22.5°	1944.4	1775.9	1103.5	370.5	239.1	207.8	188.2	168.6	162.7	158.8	158.8
25°	2156.1	1948.3	1023.2	333.2	237.2	199.9	176.4	156.8	150.9	149.0	147.0
27.5°	2407.0	2132.6	948.7	335.2	241.1	194.1	164.6	147.0	141.1	135.2	137.2
30°	2703.0	2322.7	887.9	358.7	245.0	188.2	156.8	141.1	135.2	127.4	127.4
32.5°	2995.0	2546.2	882.0	401.8	258.7	184.2	149.0	133.3	127.4	121.5	121.5
35°	3294.9	2750.0	915.4	458.7	286.2	178.4	139.2	125.4	119.6	115.6	113.7
37.5°	3581.1	2912.7	946.7	493.9	270.5	152.9	127.4	115.6	109.8	101.9	101.9
40°	3771.2	3000.9	952.6	466.5	223.5	137.2	115.6	103.9	96.0	92.1	90.2
42.5°	3910.4	3057.8	886.0	378.3	194.1	125.4	105.8	94.1	88.2	84.3	84.3
45°	3967.3	3038.2	772.3	288.1	178.4	115.6	96.0	86.2	82.3	78.4	78.4
47.5°	3959.4	2948.0	656.6	231.3	162.7	105.8	90.2	82.3	78.4	74.5	72.5
50°	3945.7	2863.7	539.0	205.8	145.0	100.0	84.3	78.4	72.5	68.6	66.6
52.5°	4035.9	2836.3	446.9	188.2	135.2	96.0	82.3	74.5	68.6	64.7	64.7
55°	4126.0	2848.0	350.9	176.4	125.4	94.1	80.4	72.5	66.6	60.8	60.8
57.5°	4120.1	2797.1	266.6	164.6	117.6	92.1	78.4	70.6	60.8	56.8	56.8
60°	*3745.8*	*2495.2*	*207.8*	*150.9*	*107.8*	*86.2*	*72.5*	*66.6*	*56.8*	*51.0*	*51.0*
62.5°	3167.5	1962.1	170.5	133.3	96.0	78.4	66.6	60.8	51.0	41.2	41.2
65°	2340.4	1415.2	137.2	115.6	88.2	68.6	60.8	52.9	41.2	33.3	31.4
67.5°	1583.8	870.3	109.8	96.0	78.4	58.8	51.0	45.1	37.2	27.4	25.5
70°	938.9	462.6	80.4	66.6	58.8	43.1	43.1	39.2	31.4	23.5	21.6
72.5°	446.9	160.7	58.8	49.0	45.1	31.4	33.3	33.3	25.5	17.6	15.7
75°	227.4	78.4	39.2	35.3	29.4	23.5	27.4	25.5	17.6	11.8	11.8
77.5°	129.4	54.9	27.4	23.5	19.6	15.7	17.6	15.7	9.8	5.9	5.9
80°	72.5	39.2	17.6	15.7	11.8	9.8	9.8	7.8	5.9	2.0	2.0
82.5°	27.4	23.5	11.8	7.8	5.9	5.9	3.9	3.9	2.0	0.0	0.0
85°	11.8	5.9	5.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6
2.5°	1125.1	1129.0	1132.9	1148.6	1152.5	1164.3	1174.1	1185.9	1187.8	1203.5	1203.5
5°	970.3	968.3	1001.6	1050.6	1082.0	1125.1	1158.4	1193.7	1213.3	1238.8	1250.5
7.5°	642.9	691.9	766.4	852.6	964.4	1068.3	1146.7	1215.3	1262.3	1291.7	1303.5
10°	319.5	346.9	425.3	566.5	756.6	968.3	1134.9	1262.3	1338.8	1372.1	1393.6
12.5°	225.4	231.3	245.0	321.5	503.7	803.6	1097.7	1313.3	1419.1	1481.8	1509.3
15°	201.9	205.8	211.7	233.3	311.7	599.8	1031.0	1370.1	1544.6	1617.1	1652.4
17.5°	186.2	188.2	194.1	211.7	245.0	407.7	923.2	1430.9	1695.5	1783.7	1850.3
20°	172.5	172.5	178.4	199.9	227.4	313.6	768.4	1499.5	1887.6	2015.0	2081.6
22.5°	156.8	160.7	164.6	188.2	221.5	286.2	623.3	1552.4	2101.2	2256.1	2334.5
25°	145.0	149.0	152.9	176.4	215.6	286.2	539.0	1585.7	2340.4	2524.6	2632.4
27.5°	135.2	139.2	145.0	168.6	209.7	297.9	505.7	1595.5	2601.1	2840.2	2985.2
30°	127.4	131.3	137.2	162.7	213.7	311.7	517.5	1581.8	2865.7	3165.6	3338.1
32.5°	119.6	123.5	129.4	156.8	213.7	329.3	556.7	1554.4	3122.4	3490.9	3702.6
35°	113.7	115.6	117.6	141.1	194.1	327.3	605.7	1526.9	3381.2	3812.4	4059.4
37.5°	101.9	103.9	107.8	121.5	154.8	297.9	615.5	1493.6	3585.0	4082.9	4355.4
40°	90.2	94.1	98.0	111.7	129.4	241.1	572.4	1423.0	3692.8	4290.7	4621.9
42.5°	82.3	84.3	88.2	101.9	119.6	192.1	480.2	1299.5	3788.9	4431.8	4816.0
45°	76.4	78.4	82.3	92.1	111.7	166.6	378.3	1148.6	3796.7	4476.9	4910.1
47.5°	70.6	72.5	74.5	84.3	107.8	149.0	290.1	1011.4	3794.8	4535.7	4990.4
50°	66.6	68.6	72.5	80.4	101.9	133.3	239.1	899.7	3877.1	4663.1	5153.1
52.5°	64.7	64.7	70.6	78.4	96.0	121.5	199.9	799.7	3920.2	4788.5	5270.7
55°	60.8	62.7	66.6	74.5	90.2	115.6	170.5	674.3	3939.8	4851.3	5292.3
57.5°	56.8	58.8	64.7	70.6	86.2	109.8	147.0	503.7	3659.5	4523.9	4931.6
60°	*51.0*	*54.9*	*62.7*	*68.6*	*80.4*	*100.0*	*129.4*	*341.1*	*3087.2*	*3932.0*	*4273.0*
62.5°	41.2	49.0	56.8	60.8	72.5	84.3	109.8	227.4	2465.8	3253.8	3641.9
65°	31.4	41.2	47.0	52.9	60.8	70.6	92.1	154.8	1644.5	2189.4	2626.5
67.5°	27.4	35.3	39.2	43.1	51.0	60.8	74.5	107.8	997.7	1315.2	1746.5
70°	21.6	29.4	33.3	31.4	39.2	47.0	52.9	72.5	509.6	713.5	993.8
72.5°	15.7	23.5	25.5	25.5	23.5	33.3	39.2	51.0	221.5	346.9	450.8
75°	11.8	15.7	17.6	15.7	13.7	21.6	27.4	33.3	145.0	207.8	262.7
77.5°	5.9	5.9	9.8	9.8	5.9	11.8	13.7	19.6	82.3	121.5	150.9
80°	2.0	0.0	0.0	2.0	0.0	3.9	5.9	9.8	43.1	64.7	94.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	21.6	19.6	49.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	11.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1501928
CATALOG NUMBER: GSS-SB1D-835-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1199.6	*1199.6*	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6	1199.6
2.5°	1213.3	*1213.3*	1221.1	1232.9	1238.8	1242.7	1244.7	1248.6	1264.3	1260.3
5°	1264.3	*1268.2*	1274.1	1285.8	1299.5	1295.6	1295.6	1295.6	1305.4	1297.6
7.5°	1330.9	*1342.7*	1344.6	1358.4	1348.6	1329.0	1317.2	1299.5	1297.6	1297.6
10°	1438.7	*1434.8*	1434.8	1417.2	1381.9	1325.0	1274.1	1238.8	1219.2	1221.1
12.5°	1554.4	*1538.7*	1540.6	1476.0	1376.0	1250.5	1146.7	1070.2	1064.3	1058.5
15°	1697.5	*1656.3*	1648.4	1499.5	1287.8	1095.7	993.8	933.0	913.4	907.5
17.5°	1901.3	*1797.4*	1760.2	1458.3	1172.1	999.7	923.2	895.8	893.8	891.8
20°	2116.9	*1911.1*	1840.5	1397.6	1132.9	1001.6	944.8	936.9	933.0	935.0
22.5°	2367.8	*1983.6*	1893.5	1407.4	1168.2	1066.3	1021.2	1015.3	1011.4	1015.3
25°	2626.5	*2067.9*	1956.2	1485.8	1274.1	1185.9	1132.9	1121.2	1132.9	1150.6
27.5°	2887.2	*2181.6*	2079.7	1640.6	1444.6	1348.6	1297.6	1340.7	1358.4	1360.3
30°	3118.5	*2340.4*	2246.3	1858.2	1638.6	1542.6	1552.4	1607.3	1628.8	1650.4
32.5°	3330.2	*2552.1*	2479.5	2105.2	1889.5	1832.7	1826.8	1868.0	1891.5	1877.8
35°	3543.9	*2828.4*	2757.9	2373.7	2197.3	2150.2	2101.2	2181.6	2173.8	2152.2
37.5°	3745.8	*3106.8*	3042.1	2661.8	2479.5	2397.2	2389.4	2461.9	2526.6	2522.7
40°	3890.8	*3332.2*	3253.8	2948.0	2775.5	2704.9	2746.1	2871.6	2855.9	2834.3
42.5°	4024.1	*3524.3*	3453.7	3198.9	3018.6	3049.9	3087.2	3171.5	3161.6	3140.1
45°	4086.8	*3688.9*	3628.2	3389.0	3300.8	3400.8	3398.8	3430.2	3377.3	3369.4
47.5°	4175.0	*3806.5*	3743.8	3559.6	3638.0	3679.1	3563.5	3530.1	3481.1	3441.9
50°	4337.7	*3988.8*	3926.1	3818.3	3884.9	3757.5	3616.4	3543.9	3443.9	3375.3
52.5°	4527.8	*4265.2*	4210.3	4167.2	3981.0	3718.3	3538.0	3406.7	3285.1	3226.3
55°	4767.0	*4672.9*	4633.7	4396.5	3894.7	3557.6	3345.9	3100.9	2934.3	2879.4
57.5°	4845.4	*5270.7*	5257.0	4433.8	3653.6	3265.5	2883.3	2552.1	2379.6	2344.3
60°	*4614.1*	*5739.2*	*5690.2*	*4371.0*	*3216.5*	*2650.1*	*2203.2*	*1864.1*	*1583.8*	*1542.6*
62.5°	4318.1	*5380.5*	5362.8	4055.5	2450.1	1899.3	1646.5	1329.0	1209.4	1178.0
65°	3698.7	*4402.4*	4410.2	3253.8	1550.4	1364.2	1352.5	1056.5	909.5	886.0
67.5°	2848.0	*3377.3*	3322.4	2046.3	903.6	1091.8	1080.0	772.3	558.6	542.9
70°	1664.1	*2514.8*	2426.6	1064.3	597.8	911.4	831.1	542.9	380.3	362.6
72.5°	735.0	*1383.8*	1485.8	468.5	421.4	725.2	599.8	333.2	213.7	209.7
75°	407.7	*686.0*	717.4	203.9	296.0	515.5	362.6	186.2	121.5	119.6
77.5°	245.0	*303.8*	296.0	131.3	221.5	329.3	219.5	105.8	76.4	72.5
80°	137.2	*139.2*	117.6	96.0	131.3	184.2	123.5	66.6	35.3	35.3
82.5°	84.3	*76.4*	60.8	29.4	35.3	111.7	45.1	37.2	11.8	11.8
85°	35.3	*23.5*	15.7	5.9	13.7	29.4	15.7	17.6	5.9	5.9
87.5°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

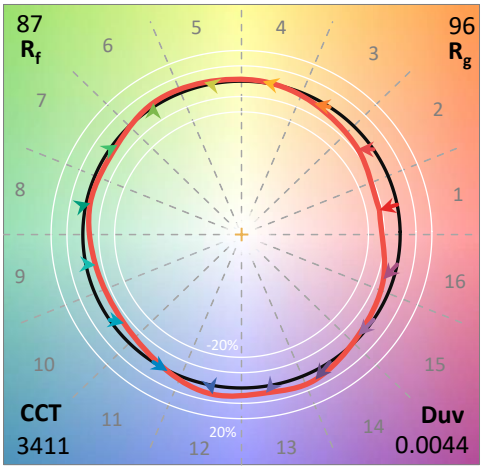
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

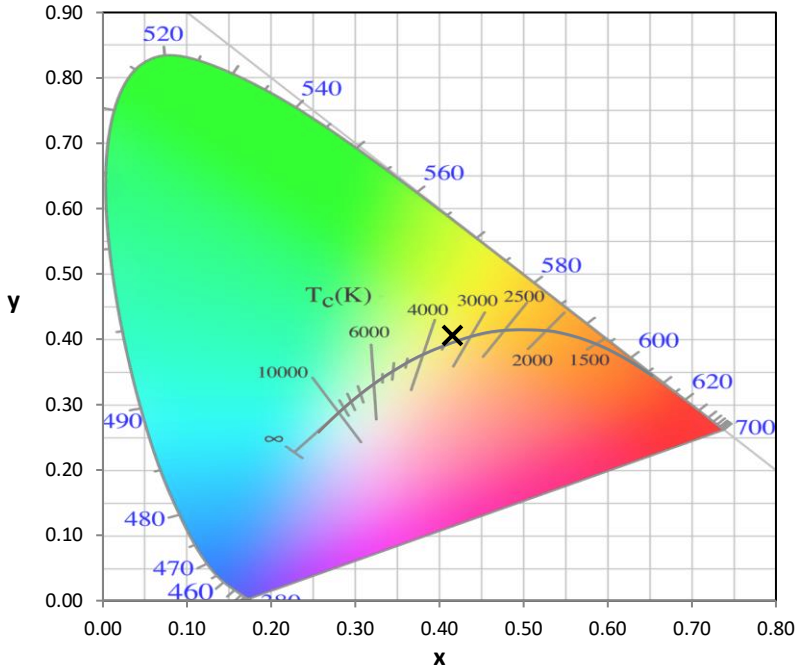
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

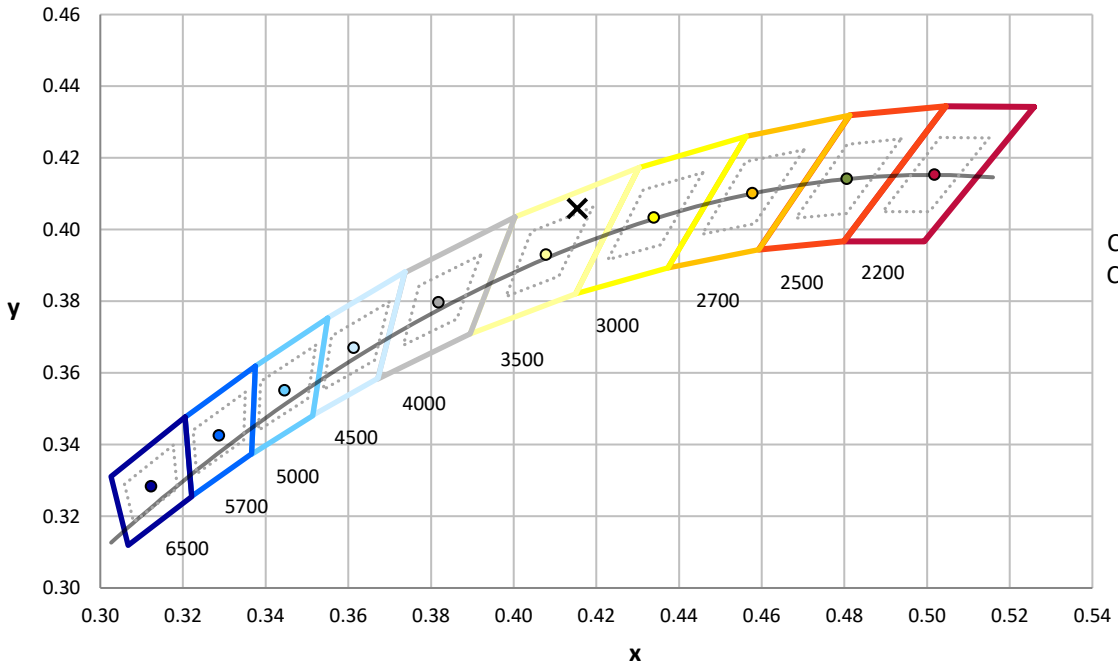
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

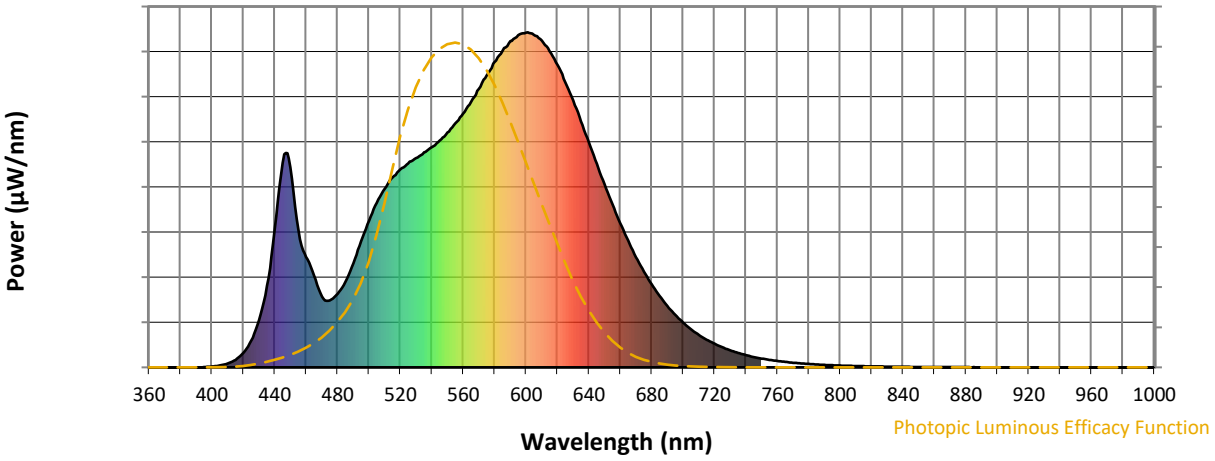


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

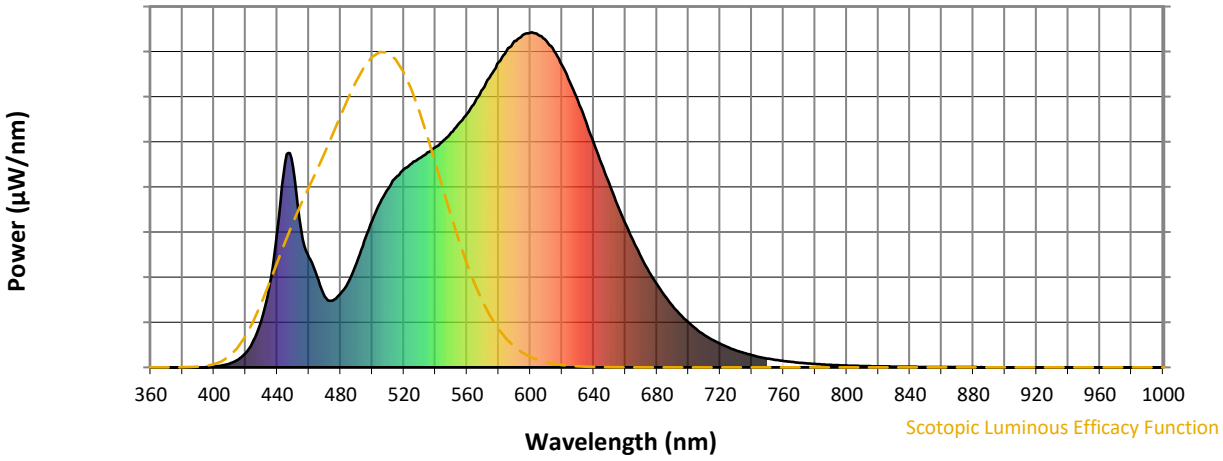


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength

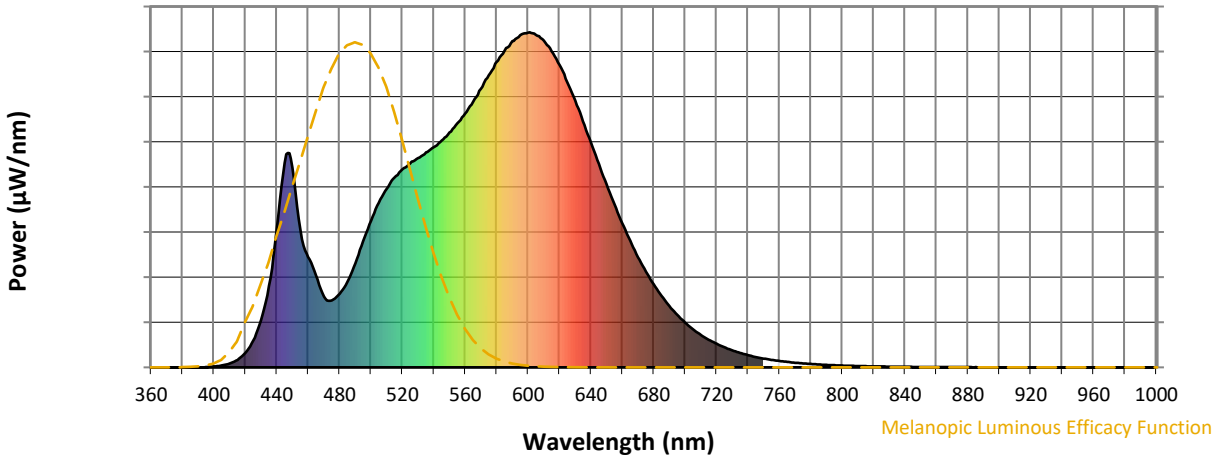


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

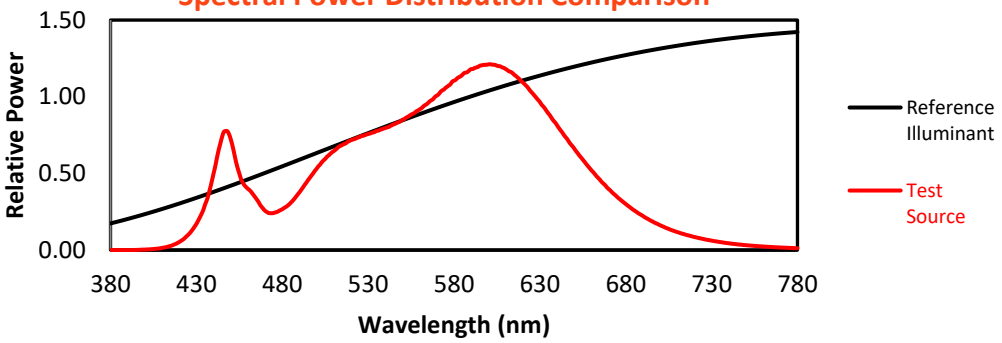
REPORT NUMBER: SP1-2407-184-10

TM-30-18

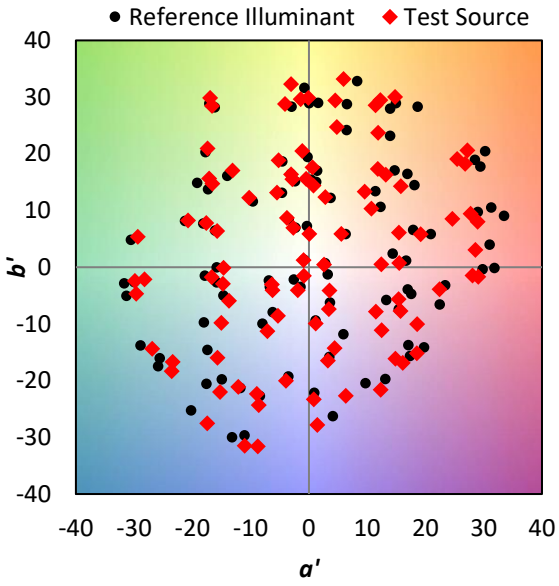
Summary

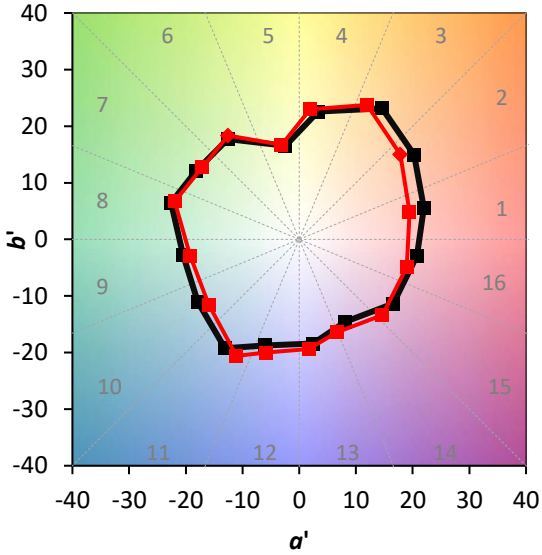
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R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

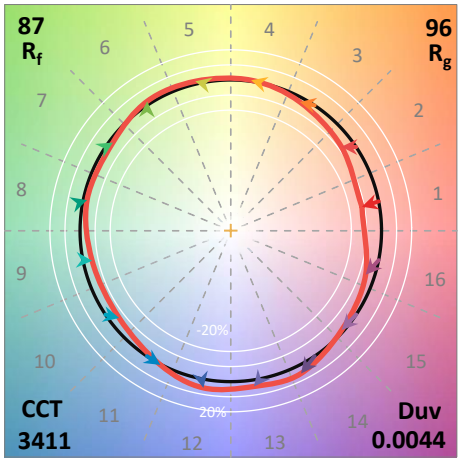
Spectral Power Distribution Comparison

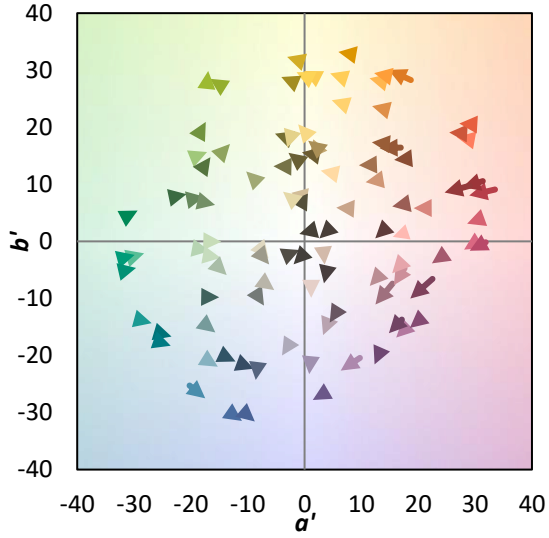


Color Vector Graphics







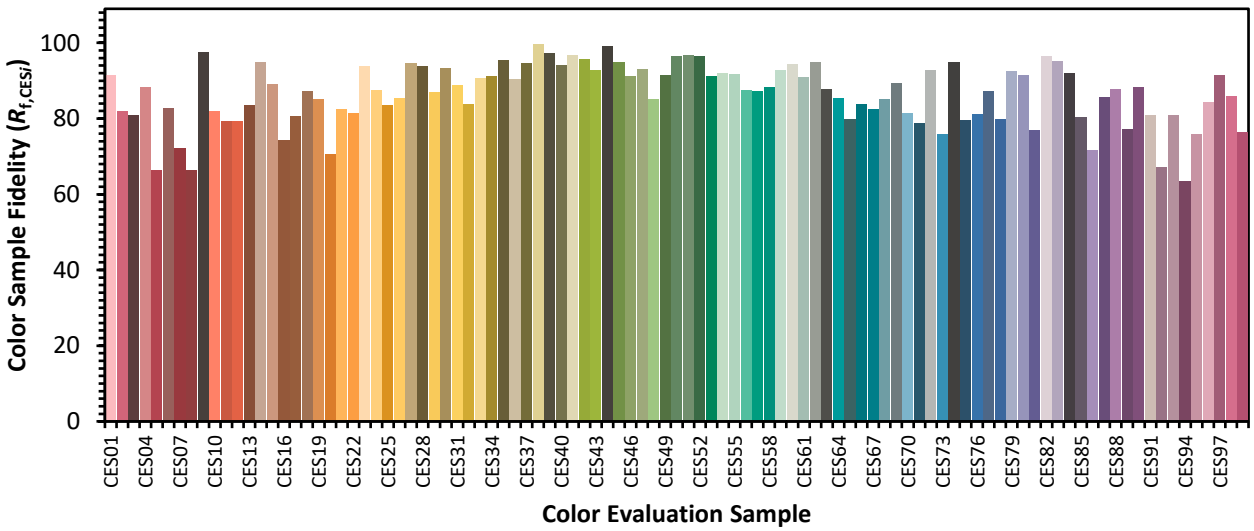


REPORT NUMBER: SP1-2407-184-10

TM-30-18

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

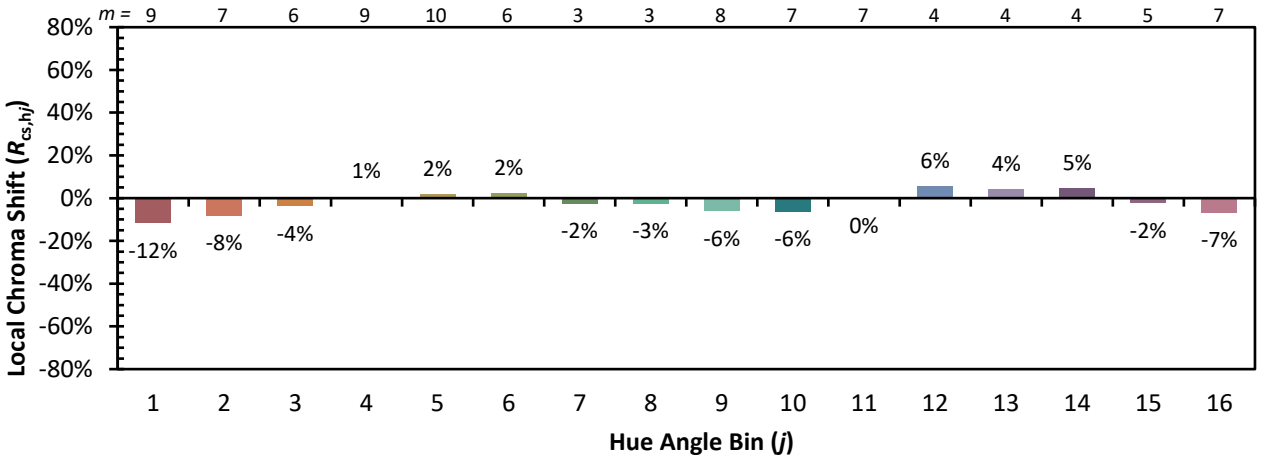
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CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	

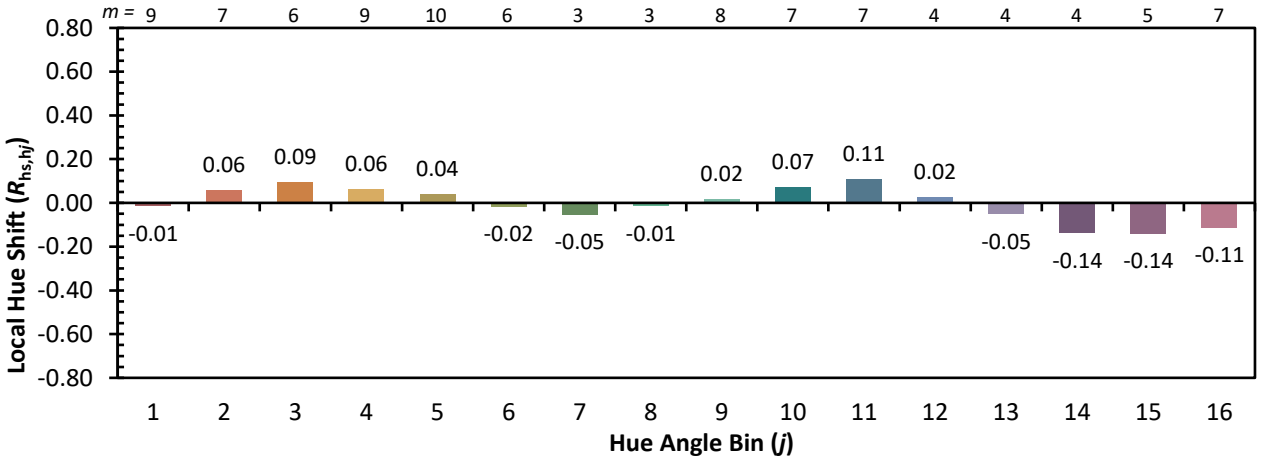


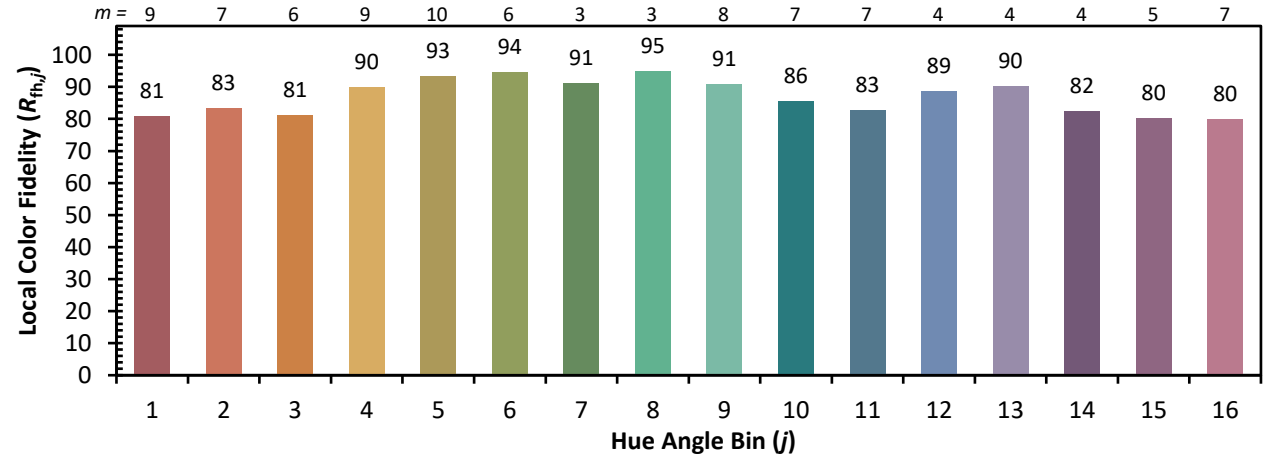
REPORT NUMBER: SP1-2407-184-10

TM-30-18

Color Rendition by Hue-Angle Bin



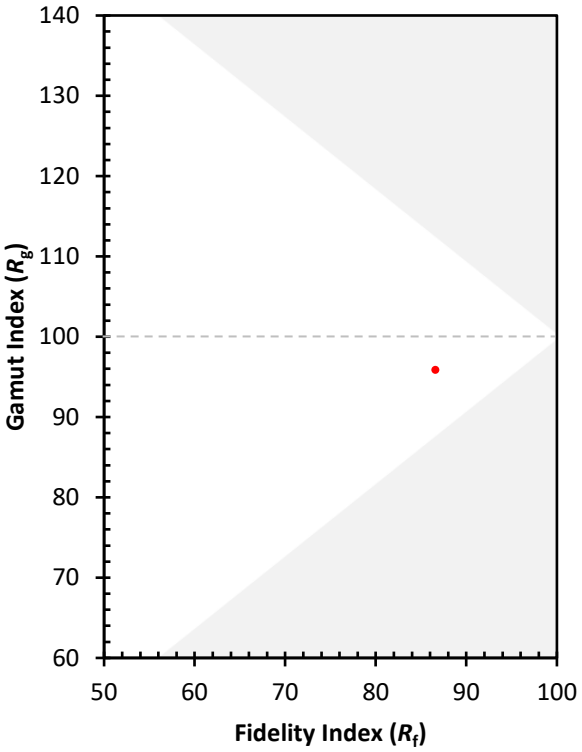


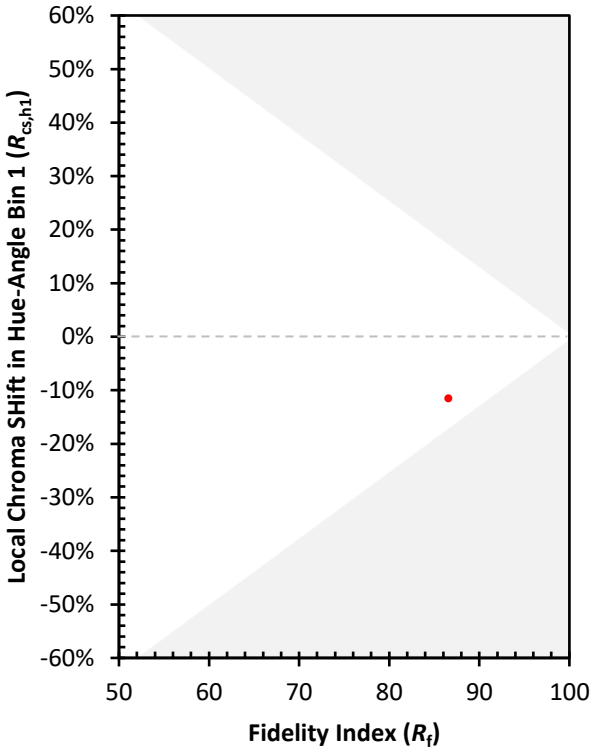


REPORT NUMBER: SP1-2407-184-10

TM-30-18

Measure Comparisons





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