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: P317935

Luminaire Tested: **GLEON-SA1D-830-U-T3R**

Issue Date: 3/3/2020

Report Generated By E0585644

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:	P317935
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1D-830-U-T3R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6600 lumens
Efficiency:	N/A
Efficacy:	98.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G2

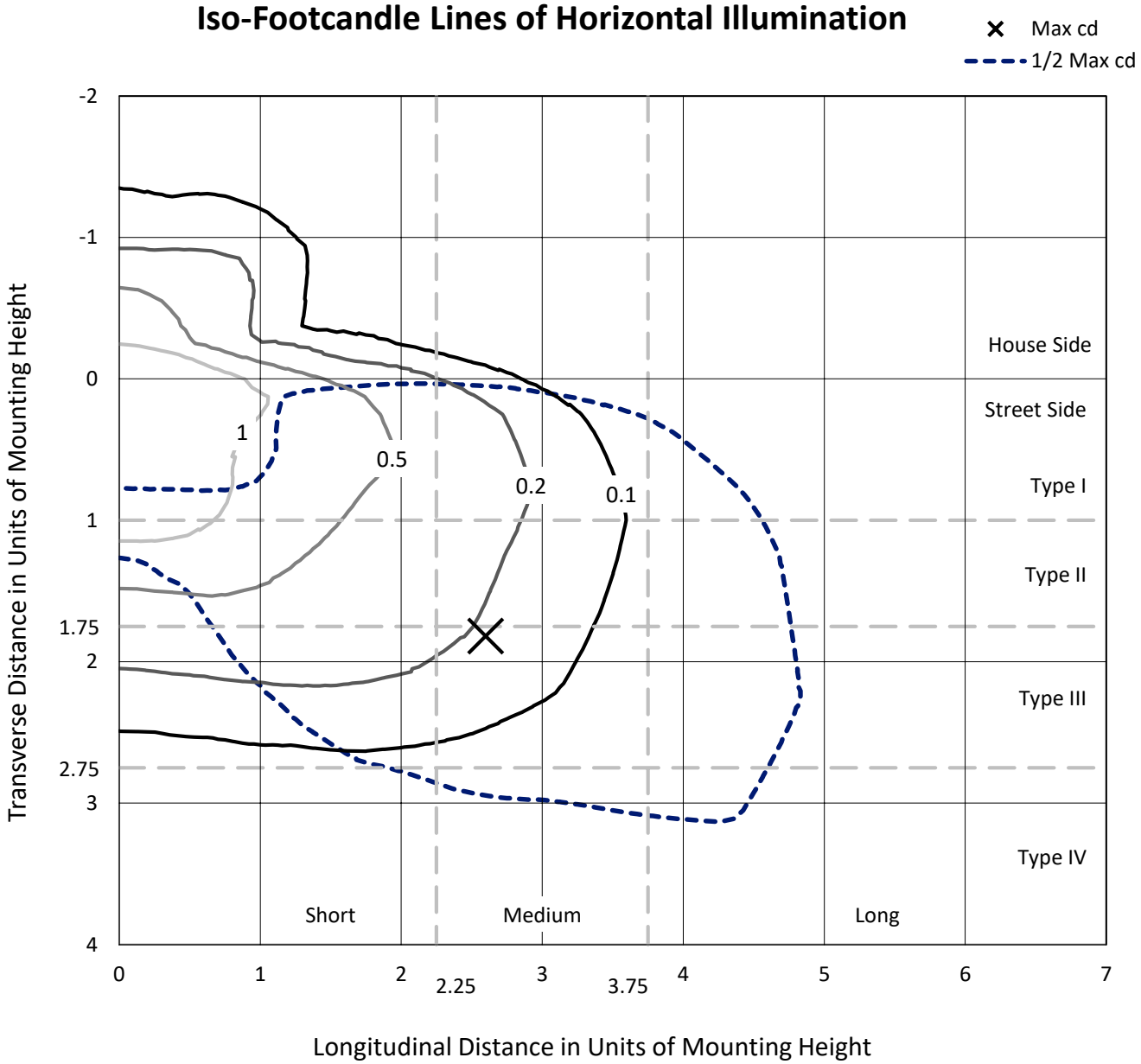
Input Watts (W):	67
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P317935
CATALOG NUMBER: GLEON-SA1D-830-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



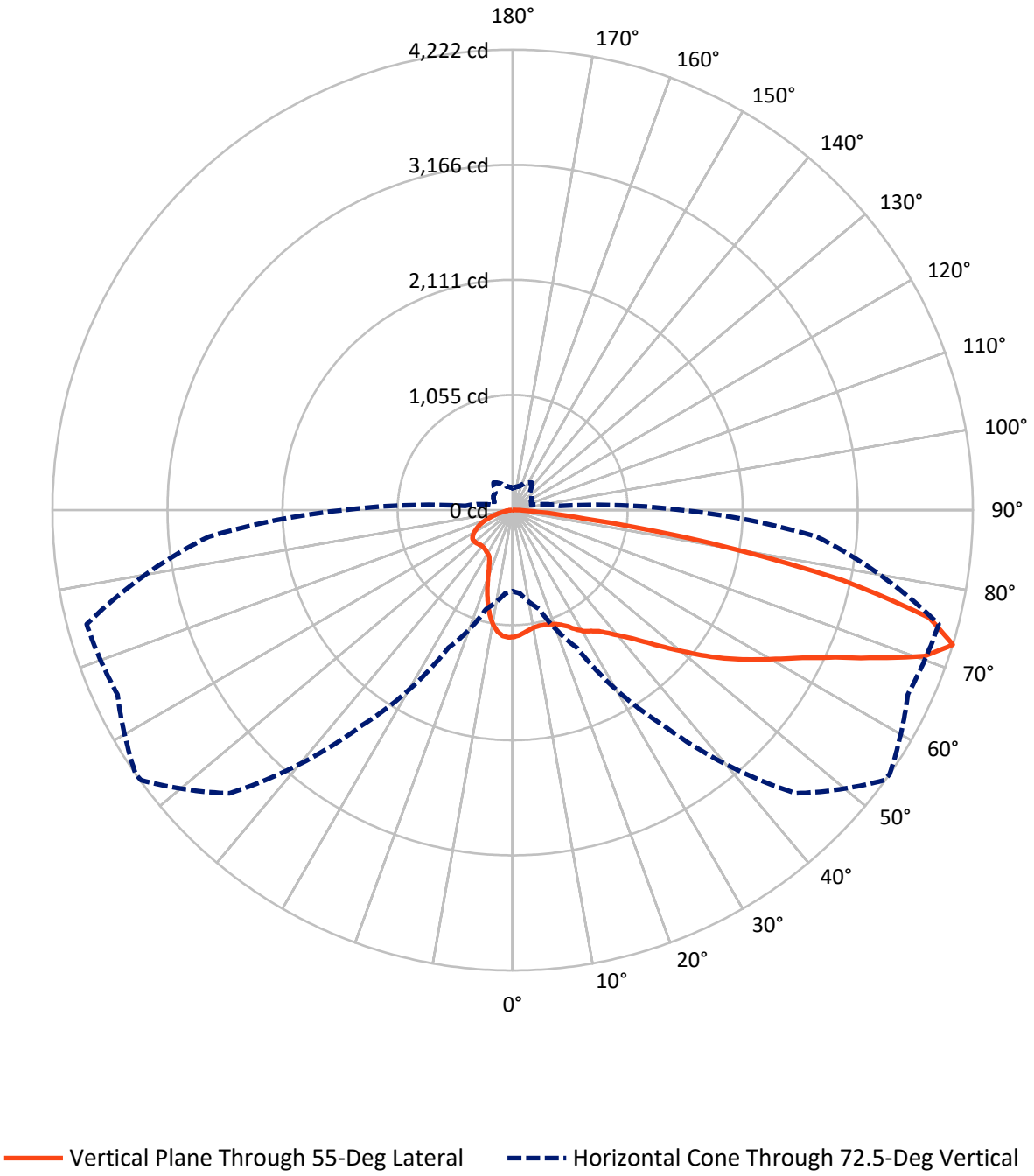
Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P317935
CATALOG NUMBER: GLEON-SA1D-830-U-T3R

Luminous Intensity Polar Plot



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

Scaled Data Report

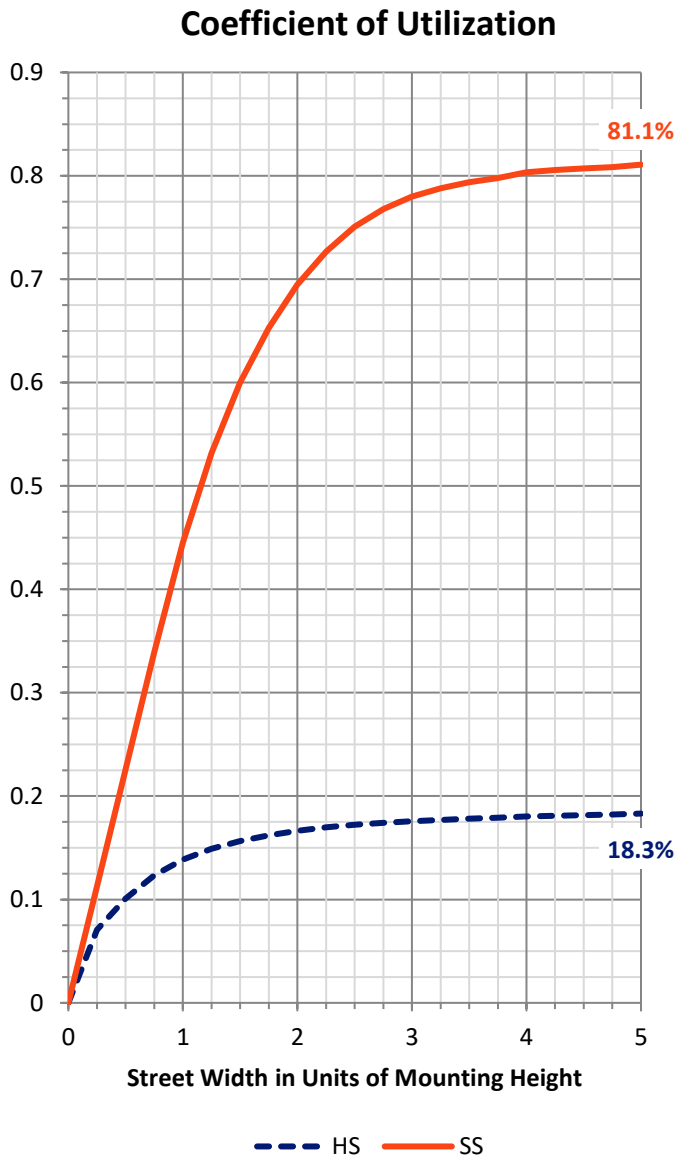
REPORT NUMBER: P317935
CATALOG NUMBER: GLEON-SA1D-830-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1226.7	0.0	1226.7
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5373.3	0.0	5373.3
	% Fixture	81.4	0.0	81.4
Total	Lumens	6600.0	0.0	6600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	1.6
10°-20°	280.4	4.2
20°-30°	462.4	7.0
30°-40°	684.0	10.4
40°-50°	954.7	14.5
50°-60°	1243.0	18.8
60°-70°	1527.7	23.1
70°-80°	1197.5	18.1
80°-90°	144.9	2.2
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°	6600.0	100.0
0°-180°	6600.0	100.0



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

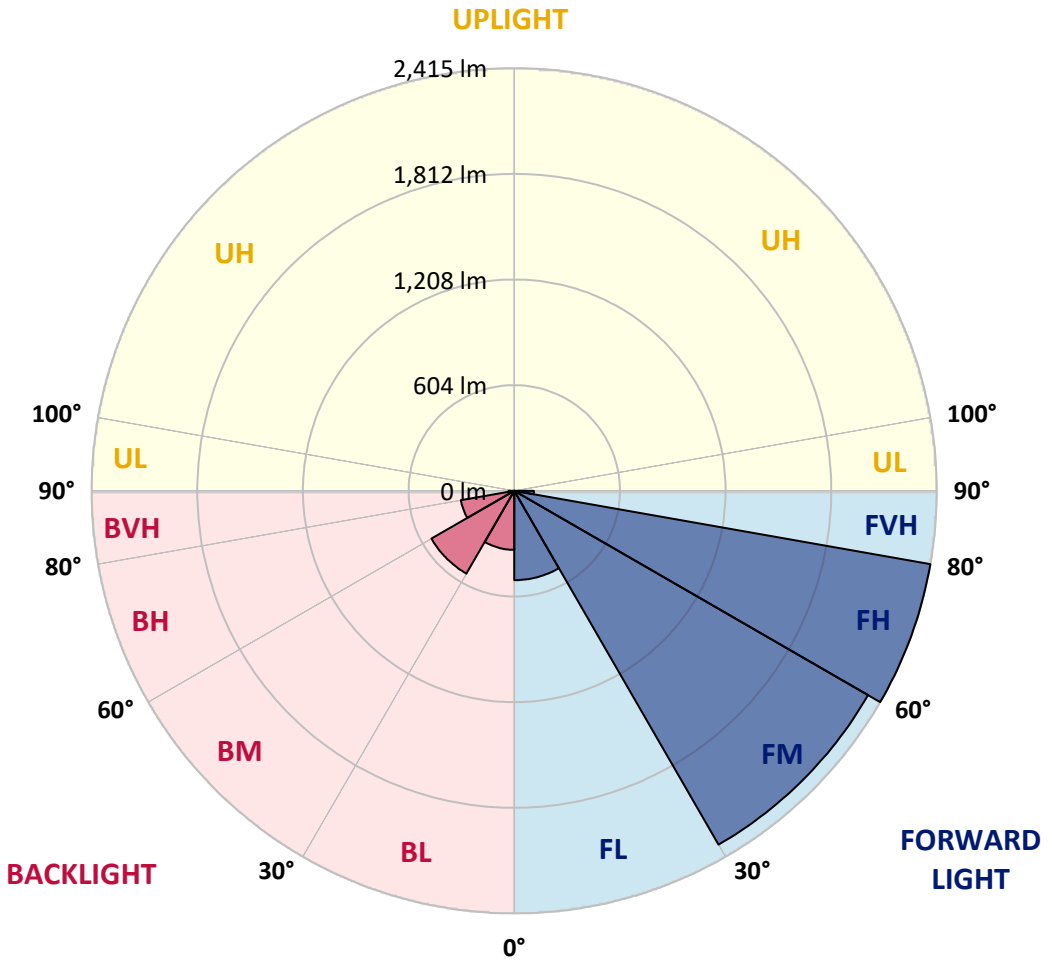
Scaled Data Report

REPORT NUMBER: P317935
CATALOG NUMBER: GLEON-SA1D-830-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	510.6	7.7			
FM	(30°-60°)	2335.2	35.4			
FH	(60°-80°)	2415.4	36.6			G2/5000
FVH	(80°-90°)	112.0	1.7			G2/225
BL	(0°-30°)	337.5	5.1	B1/500		
BM	(30°-60°)	546.5	8.3	B1/1000		
BH	(60°-80°)	309.8	4.7	B1/500		G1/500
BVH	(80°-90°)	32.9	0.5			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 IV Medium



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

Scaled Data Report

REPORT NUMBER: P317935
CATALOG NUMBER: GLEON-SA1D-830-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1164.1	1164.1	1164.1	1164.1	1164.1	1164.1	1164.1	*1164.1*	1164.1	1164.1	1164.1
2.5°	1126.2	1123.5	1126.9	1131.6	1136.7	1143.6	1147.6	*1149.4*	1156.3	1159.0	1164.8
5°	1074.0	1072.7	1078.3	1086.3	1097.7	1113.7	1126.6	*1129.1*	1147.4	1160.3	1172.1
7.5°	1036.1	1036.1	1042.6	1052.2	1064.9	1086.5	1104.8	*1108.1*	1139.1	1167.0	1188.8
10°	1006.0	1007.2	1014.7	1026.1	1041.0	1064.0	1088.3	*1092.1*	1136.9	1182.6	1217.4
12.5°	986.0	988.7	995.6	1005.8	1024.3	1052.2	1083.0	*1088.1*	1141.6	1204.9	1251.7
15°	998.7	1003.1	1003.8	1008.1	1018.3	1048.6	1086.1	*1091.4*	1151.6	1227.6	1290.7
17.5°	1054.4	1056.0	1049.1	1040.2	1035.2	1054.6	1095.4	*1101.0*	1163.7	1250.1	1328.2
20°	1139.1	1138.2	1123.3	1099.2	1074.3	1077.4	1110.8	*1116.6*	1179.9	1270.0	1365.6
22.5°	1246.1	1243.0	1220.1	1175.7	1133.1	1115.3	1137.8	*1142.7*	1204.4	1298.3	1405.7
25°	1375.9	1369.0	1338.6	1279.1	1216.5	1170.6	1178.4	*1183.0*	1240.1	1330.0	1442.5
27.5°	1512.7	1505.8	1467.3	1395.3	1311.9	1240.3	1234.3	*1238.3*	1280.7	1353.4	1469.7
30°	1655.9	1648.5	1613.3	1532.6	1413.1	1312.6	1286.5	*1288.0*	1309.2	1366.1	1492.0
32.5°	1799.6	1792.7	1753.3	1659.7	1523.0	1390.1	1324.2	*1322.1*	1326.4	1379.2	1517.2
35°	1945.4	1948.1	1902.0	1798.3	1644.7	1476.4	1368.7	*1364.5*	1355.1	1406.2	1552.9
37.5°	2101.5	2099.7	2040.0	1931.6	1772.0	1570.0	1432.7	*1432.1*	1399.7	1457.2	1608.8
40°	2205.8	2206.9	2170.6	2068.0	1900.6	1673.7	1514.8	*1513.2*	1470.8	1533.7	1682.2
42.5°	2246.6	2254.0	2263.3	2198.2	2035.3	1793.9	1612.6	*1610.4*	1570.0	1643.4	1768.4
45°	2249.5	2264.2	2322.2	2313.9	2171.7	1931.4	1737.7	*1731.4*	1702.5	1789.2	1871.4
47.5°	2224.5	2239.7	2336.0	2382.8	2293.6	2076.5	1883.9	*1879.0*	1854.0	1971.5	1982.9
50°	2169.9	2184.4	2307.5	2416.5	2394.0	2216.1	2052.4	*2039.5*	2026.1	2182.2	2110.4
52.5°	2067.6	2095.5	2269.3	2424.5	2453.9	2340.0	2229.7	*2221.2*	2228.5	2404.4	2238.1
55°	1825.3	1856.5	2171.0	2417.8	2498.3	2444.1	2406.9	*2406.4*	2444.6	2637.6	2375.2
57.5°	1689.5	1711.6	1970.9	2406.4	2550.9	2547.6	2582.3	*2586.6*	2660.8	2891.5	2518.8
60°	1612.8	1636.0	1869.4	2364.3	2632.5	2681.3	2761.3	*2769.8*	2880.6	3172.6	2691.6
62.5°	1543.1	1568.5	1806.6	2278.5	2728.6	2872.6	2975.8	*2983.4*	3113.3	3461.5	2858.5
65°	1423.8	1452.6	1714.5	2222.1	2815.9	3122.0	3248.4	*3253.5*	3380.6	3764.3	2986.3
67.5°	1255.3	1281.6	1540.8	2097.5	2880.6	3425.0	3610.9	*3613.8*	3645.7	3978.0	3051.6
70°	1058.4	1068.5	1293.4	1840.2	2804.1	3708.3	4008.1	*4008.8*	3887.3	4114.9	3040.9
72.5°	*743.7*	*767.3*	*938.9*	*1393.0*	*2409.8*	*3673.8*	*4214.3*	*4221.9*	*3999.7*	*4045.8*	*2797.9*
75°	456.1	481.1	589.0	844.2	1528.8	2889.3	3893.8	*3946.4*	3789.0	3607.3	2285.6
77.5°	305.0	314.3	384.3	492.2	692.6	1662.3	2993.6	*3092.6*	3147.7	2630.7	1461.7
80°	170.1	187.9	254.8	305.8	308.1	660.5	1795.0	*1818.2*	1751.3	1047.5	451.0
82.5°	90.1	99.9	170.1	179.7	168.1	221.1	669.0	*669.7*	559.5	280.9	134.0
85°	69.8	78.0	116.6	109.7	85.8	98.1	220.7	*232.7*	190.4	115.0	43.7
87.5°	34.8	43.2	79.1	69.6	33.7	28.1	78.9	*84.3*	75.1	45.0	15.8
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: P317935
CATALOG NUMBER: GLEON-SA1D-830-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1164.1	1164.1	1164.1	1164.1	1164.1	1164.1	1164.1	1164.1	1164.1	1164.1	1164.1
2.5°	1167.0	1169.0	1171.5	1168.8	1167.9	1164.3	1158.3	1157.0	1153.8	1154.1	1155.8
5°	1177.3	1180.6	1179.3	1169.0	1156.7	1139.6	1121.7	1106.6	1096.6	1095.9	1095.2
7.5°	1196.9	1199.1	1188.6	1159.4	1125.1	1085.4	1048.0	1015.2	995.3	990.4	989.3
10°	1227.6	1227.2	1198.4	1139.6	1071.1	1000.3	940.1	894.6	868.1	860.3	858.2
12.5°	1262.0	1256.8	1201.8	1103.5	994.9	896.6	820.4	769.7	742.1	733.2	731.0
15°	1297.4	1284.7	1193.5	1049.5	901.3	784.9	704.9	658.1	643.1	638.2	637.3
17.5°	1330.4	1305.9	1169.9	976.4	794.5	673.7	611.3	592.5	596.1	602.6	602.8
20°	1362.7	1320.1	1132.0	884.1	681.9	582.0	560.9	574.7	591.6	604.8	606.6
22.5°	1394.6	1330.2	1083.2	777.6	581.2	530.6	545.5	570.7	590.1	604.3	606.8
25°	1421.3	1332.6	1015.9	663.9	511.2	511.2	538.1	562.0	581.2	595.2	597.7
27.5°	1431.2	1316.1	920.9	558.6	475.9	502.2	527.9	547.7	564.0	578.9	581.6
30°	1434.9	1285.6	811.2	474.2	461.4	492.7	514.1	531.0	546.4	560.4	562.9
32.5°	1435.6	1248.8	694.8	426.2	451.4	482.6	496.9	511.8	528.3	533.9	534.8
35°	1439.9	1205.3	572.2	401.7	442.1	473.3	484.6	495.3	468.6	470.6	472.4
37.5°	1452.1	1162.3	469.7	387.9	436.0	468.4	482.0	443.2	422.2	417.3	416.6
40°	1475.1	1116.4	393.7	376.7	433.8	470.8	464.8	413.7	377.6	350.7	346.6
42.5°	1507.0	1066.9	345.1	369.4	435.4	482.6	440.9	385.4	325.5	308.1	305.8
45°	1542.8	1015.0	318.8	364.3	440.7	491.8	436.0	347.8	301.2	288.0	286.9
47.5°	1577.6	951.4	305.2	362.0	448.1	484.4	415.3	336.2	289.6	282.7	283.3
50°	1617.5	894.1	296.9	359.6	454.5	479.7	391.9	330.1	285.1	293.6	302.5
52.5°	1651.2	834.8	289.6	354.7	457.0	471.5	385.9	331.3	285.1	301.4	309.9
55°	1691.1	790.0	281.1	344.4	452.3	448.1	381.6	337.9	288.5	278.2	279.1
57.5°	1742.6	775.3	271.7	328.4	436.7	414.0	379.6	344.4	286.5	280.0	282.2
60°	1813.9	790.9	268.0	307.4	412.4	387.2	379.9	341.1	272.4	261.3	261.5
62.5°	1881.9	808.3	267.7	294.3	382.5	363.4	374.7	330.1	265.3	258.8	261.3
65°	1904.2	790.7	257.0	279.5	348.9	334.8	365.4	318.6	259.9	250.1	249.7
67.5°	1874.3	736.1	235.4	255.7	310.3	301.6	353.1	304.7	251.5	243.4	242.1
70°	1785.6	614.1	208.7	224.3	266.4	264.2	333.7	288.7	240.1	233.2	227.4
72.5°	*1546.9*	*437.6*	*175.9*	*186.6*	*216.9*	*224.0*	*307.0*	*267.7*	*224.0*	*209.1*	*200.2*
75°	1270.4	323.9	144.5	146.7	164.7	184.1	270.2	243.2	205.1	179.7	172.8
77.5°	778.0	198.2	115.0	115.9	118.1	146.9	222.5	215.8	181.0	149.8	144.9
80°	251.9	108.1	83.1	87.4	80.7	107.7	172.1	183.7	155.4	125.3	119.9
82.5°	95.9	63.1	56.2	59.1	56.0	72.2	125.5	147.1	127.3	103.0	83.8
85°	46.4	35.7	33.2	37.2	34.6	37.0	80.3	108.3	96.5	67.1	62.4
87.5°	16.5	15.8	12.7	17.2	14.7	13.2	24.5	54.6	63.8	46.1	41.2
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

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

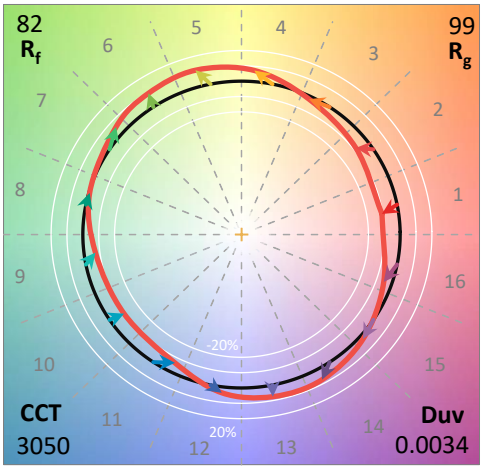
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

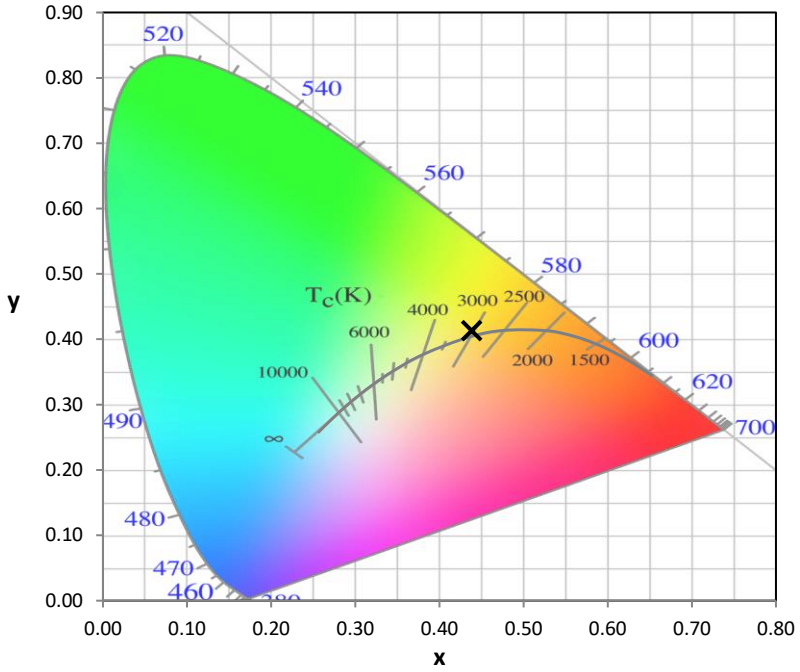
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

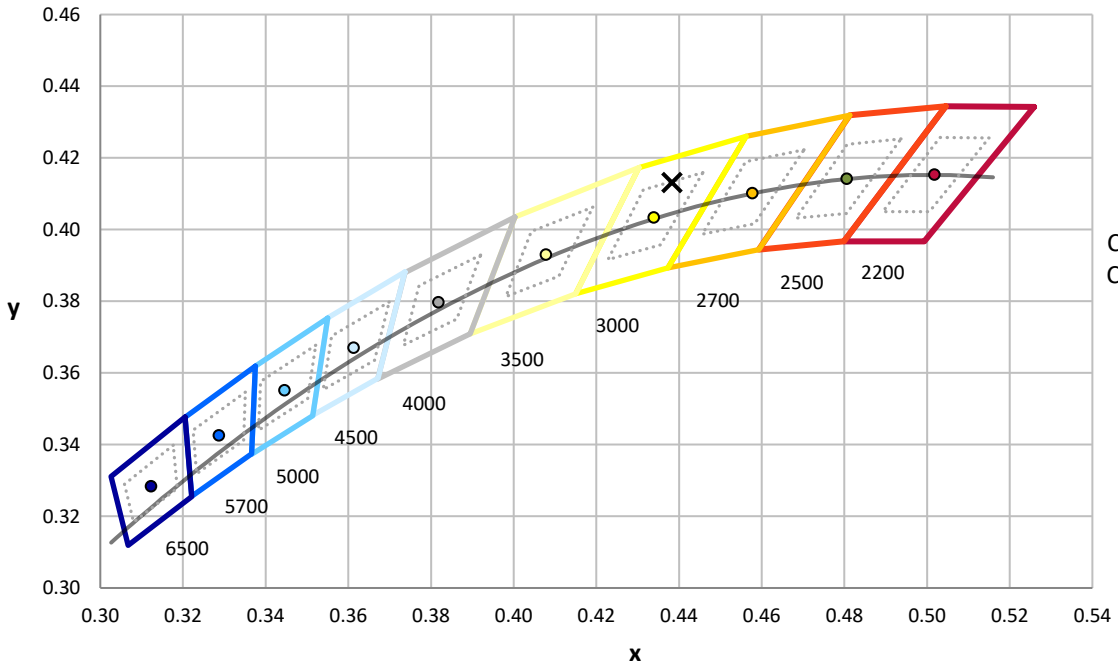
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

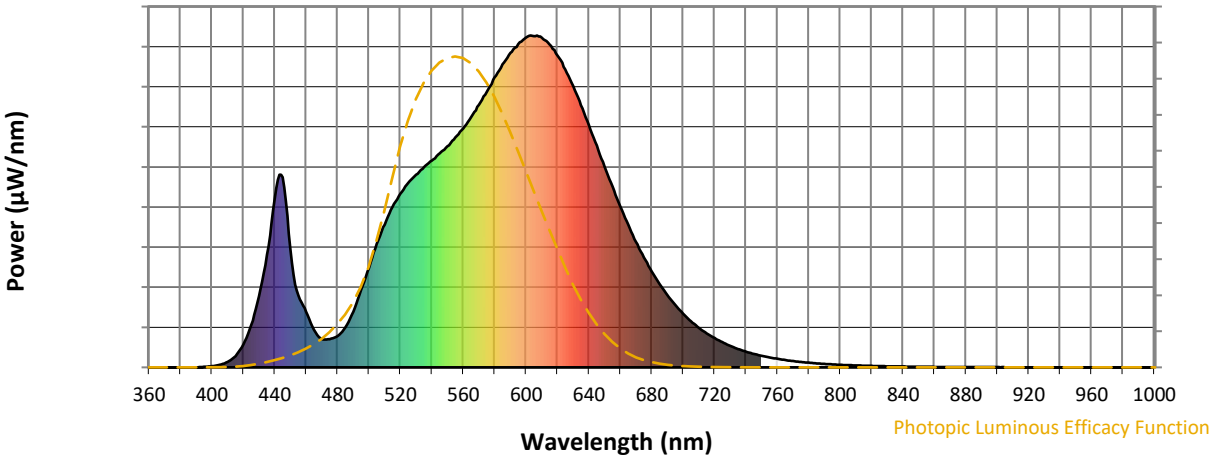


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

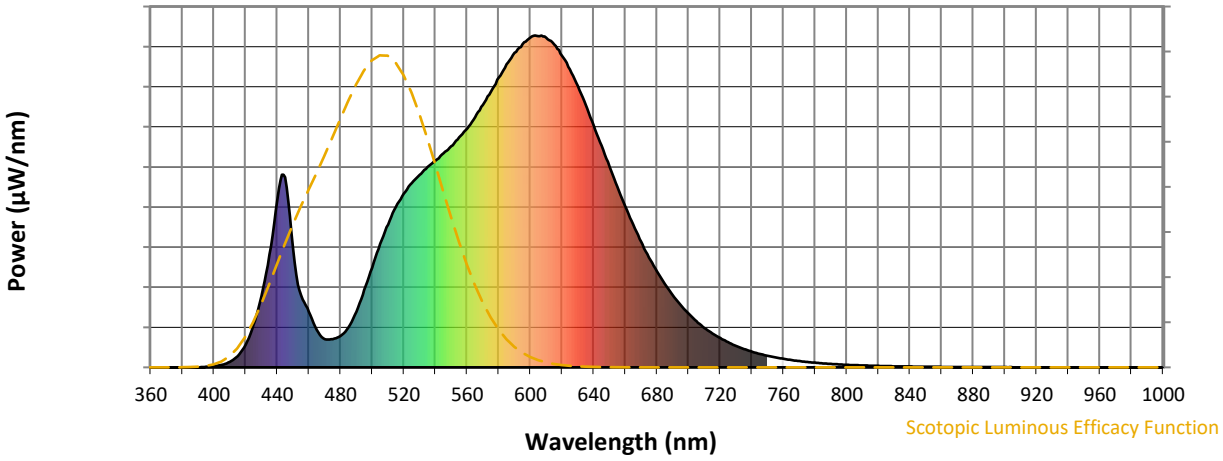


Photopic Lumens: NR

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

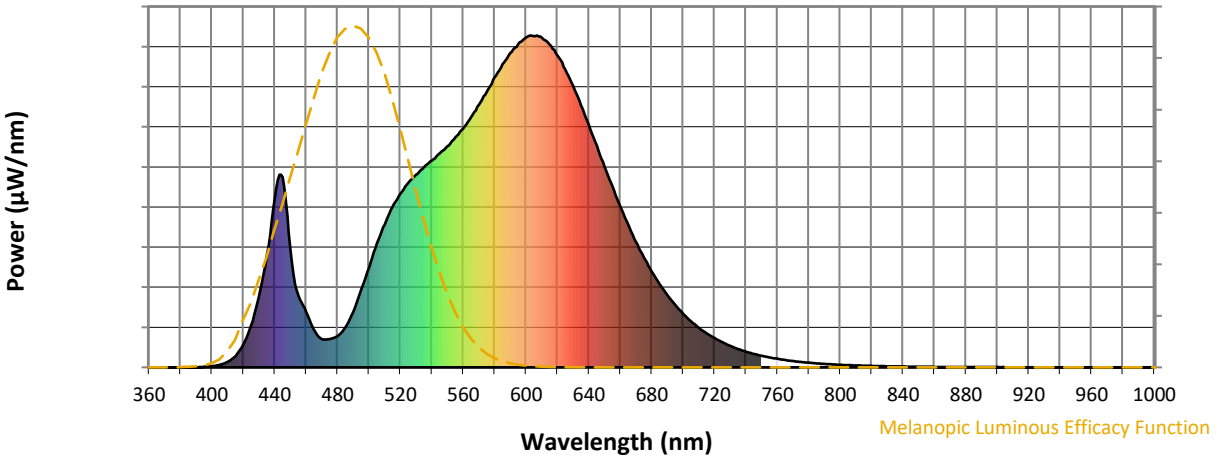


Scotopic Lumens: NR **S/P: 1.27**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

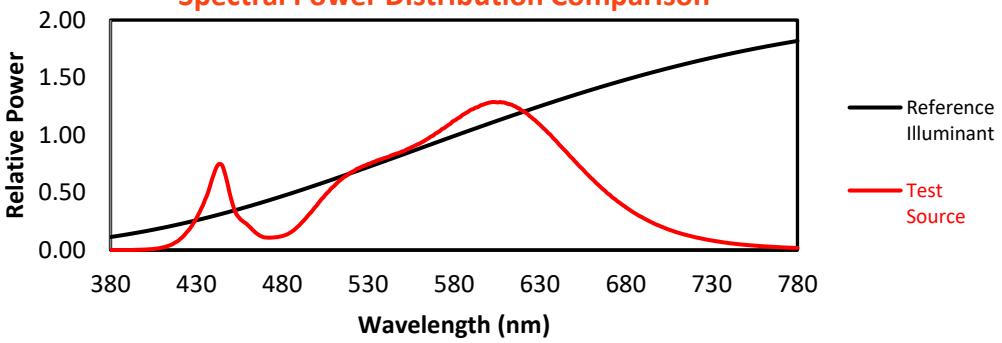
REPORT NUMBER: SP1-2408-195-9

TM-30-18

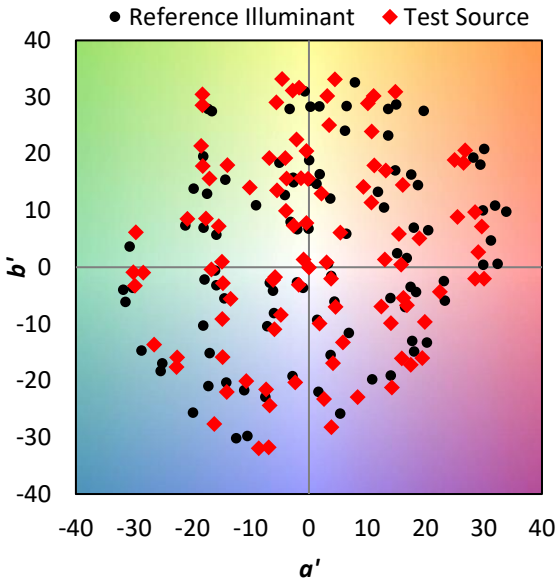
Summary

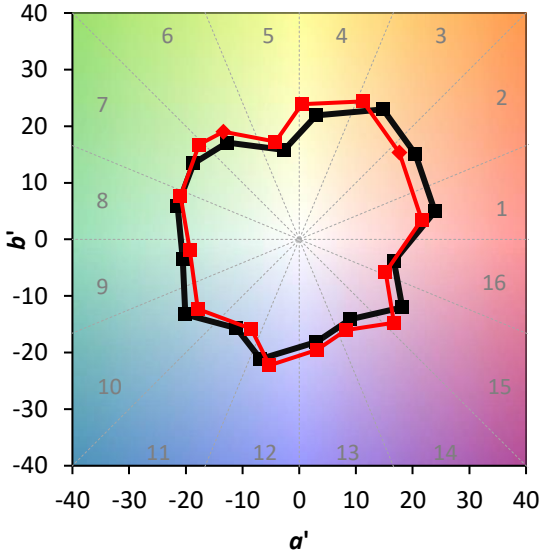
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

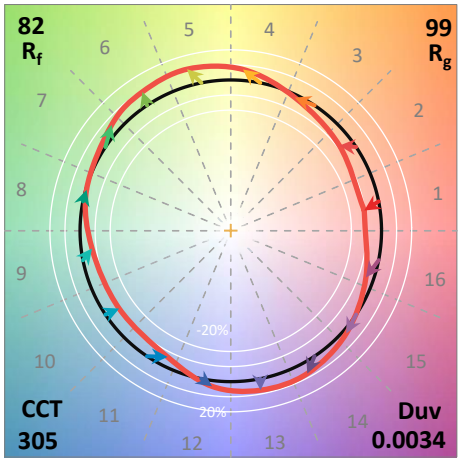
Spectral Power Distribution Comparison

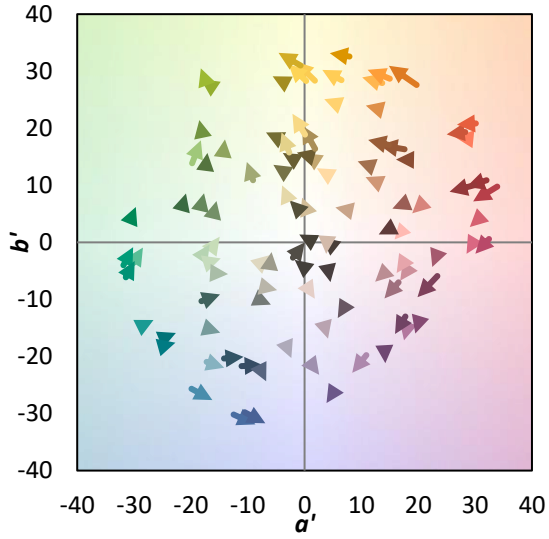


Color Vector Graphics







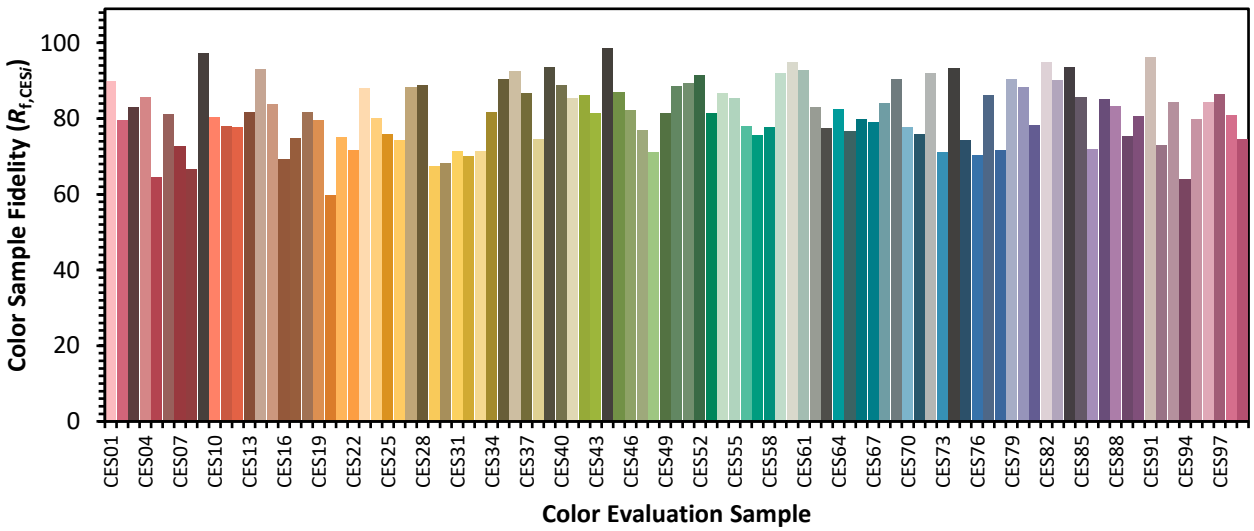


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

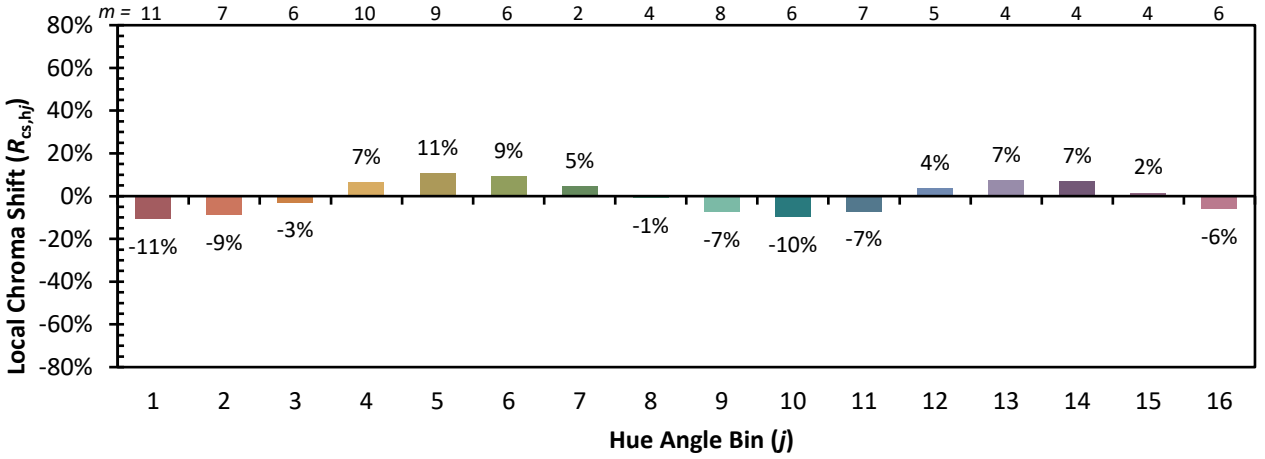
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

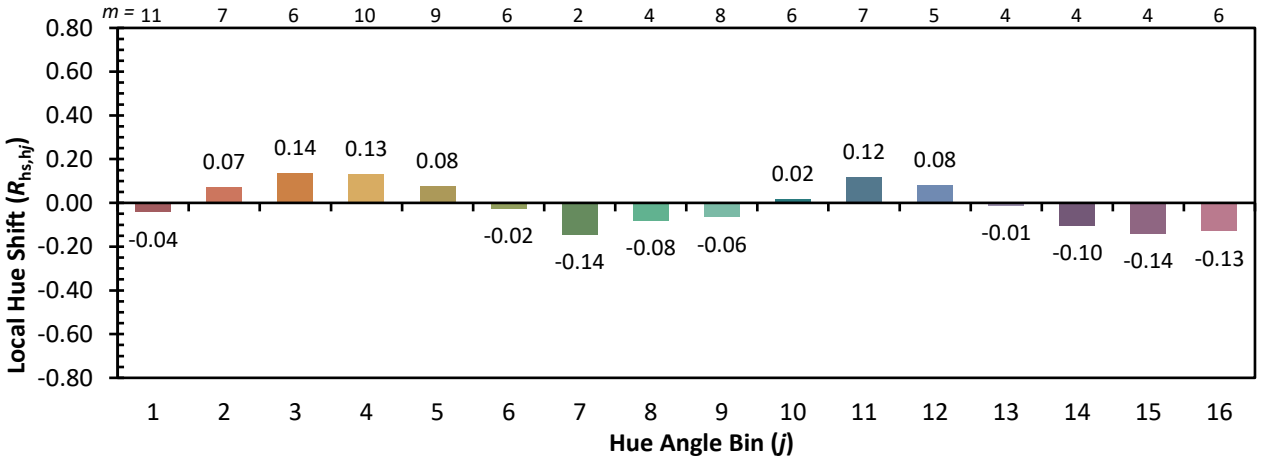


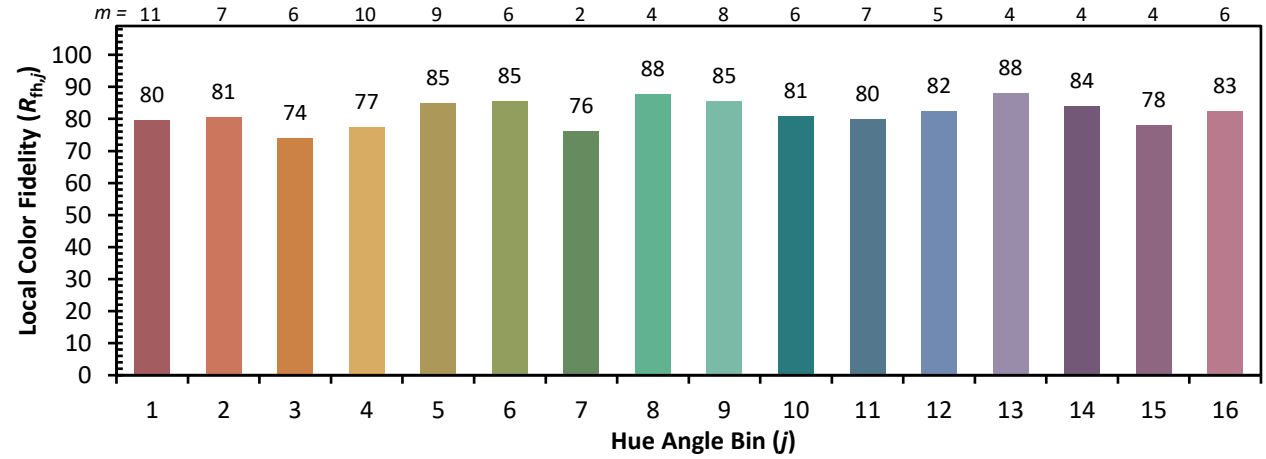
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



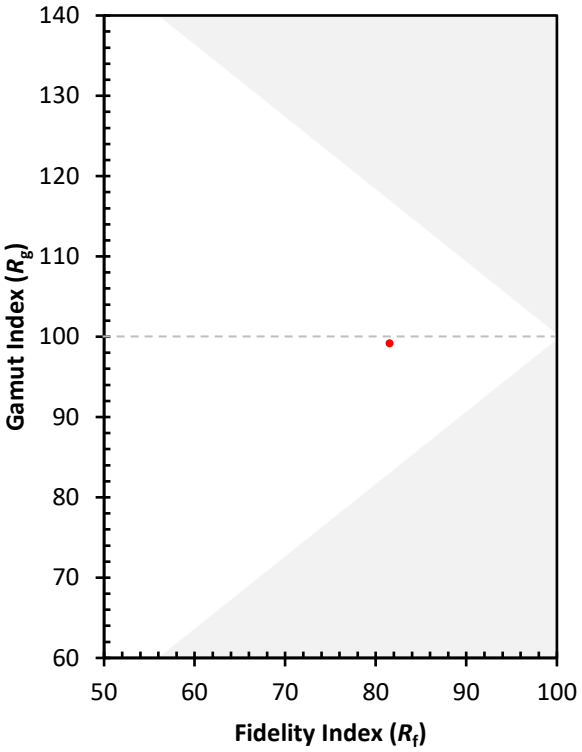


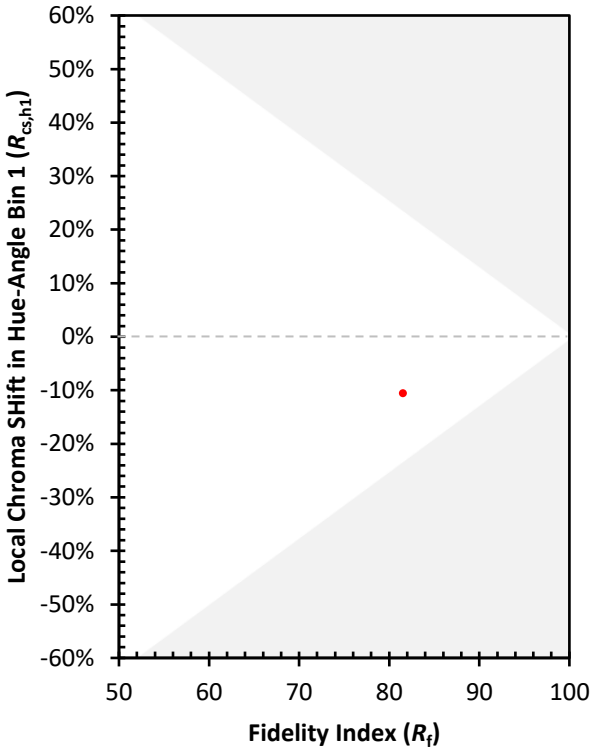


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)