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: P323685

Luminaire Tested: **GLEON-SA1C-830-U-SL3-HSS**

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:	P323685
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1C-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5027 lumens
Efficiency:	N/A
Efficacy:	85.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	59
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

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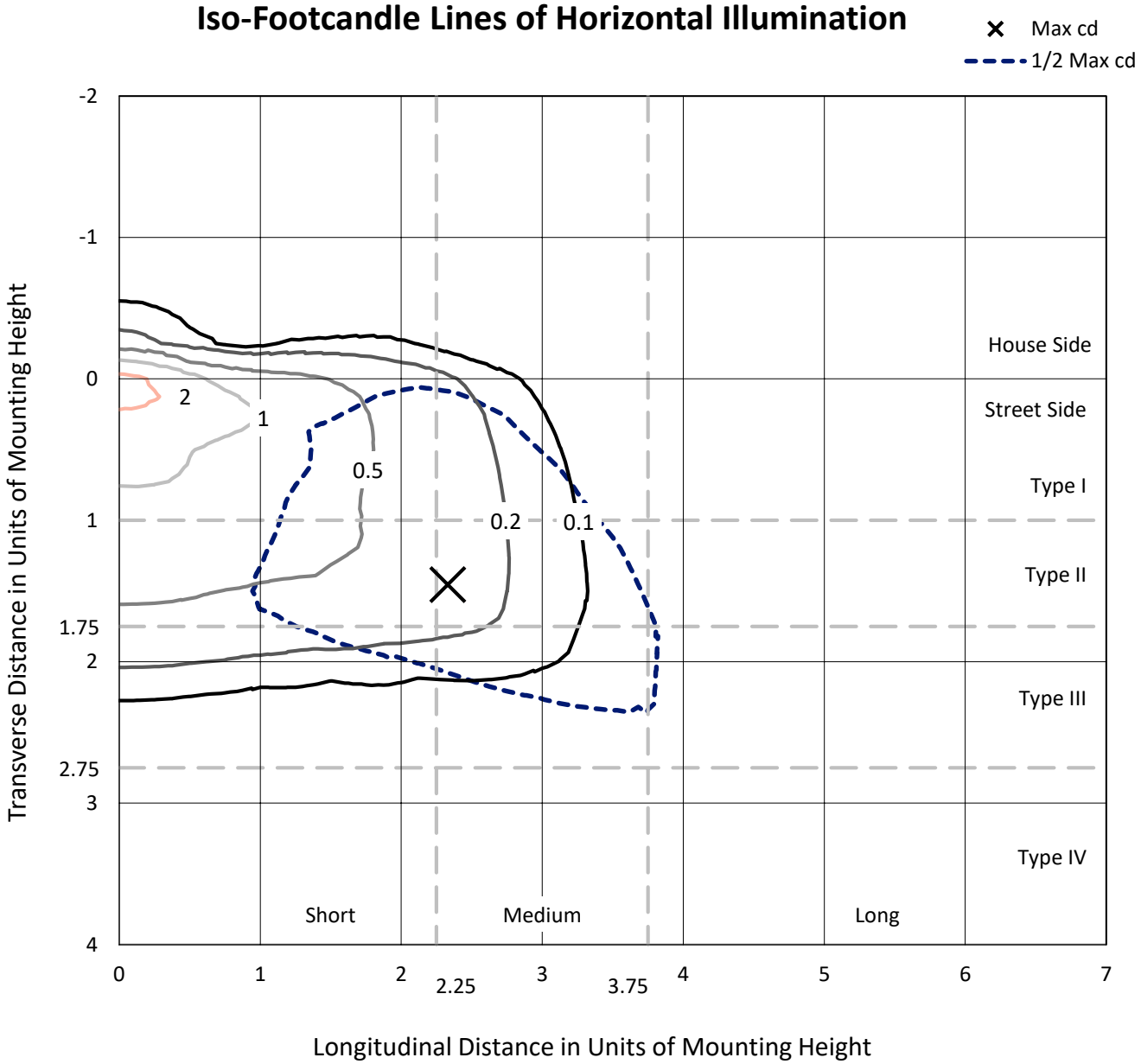
Scaled Data Report

REPORT NUMBER: P323685
CATALOG NUMBER: GLEON-SA1C-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Medium - N/A

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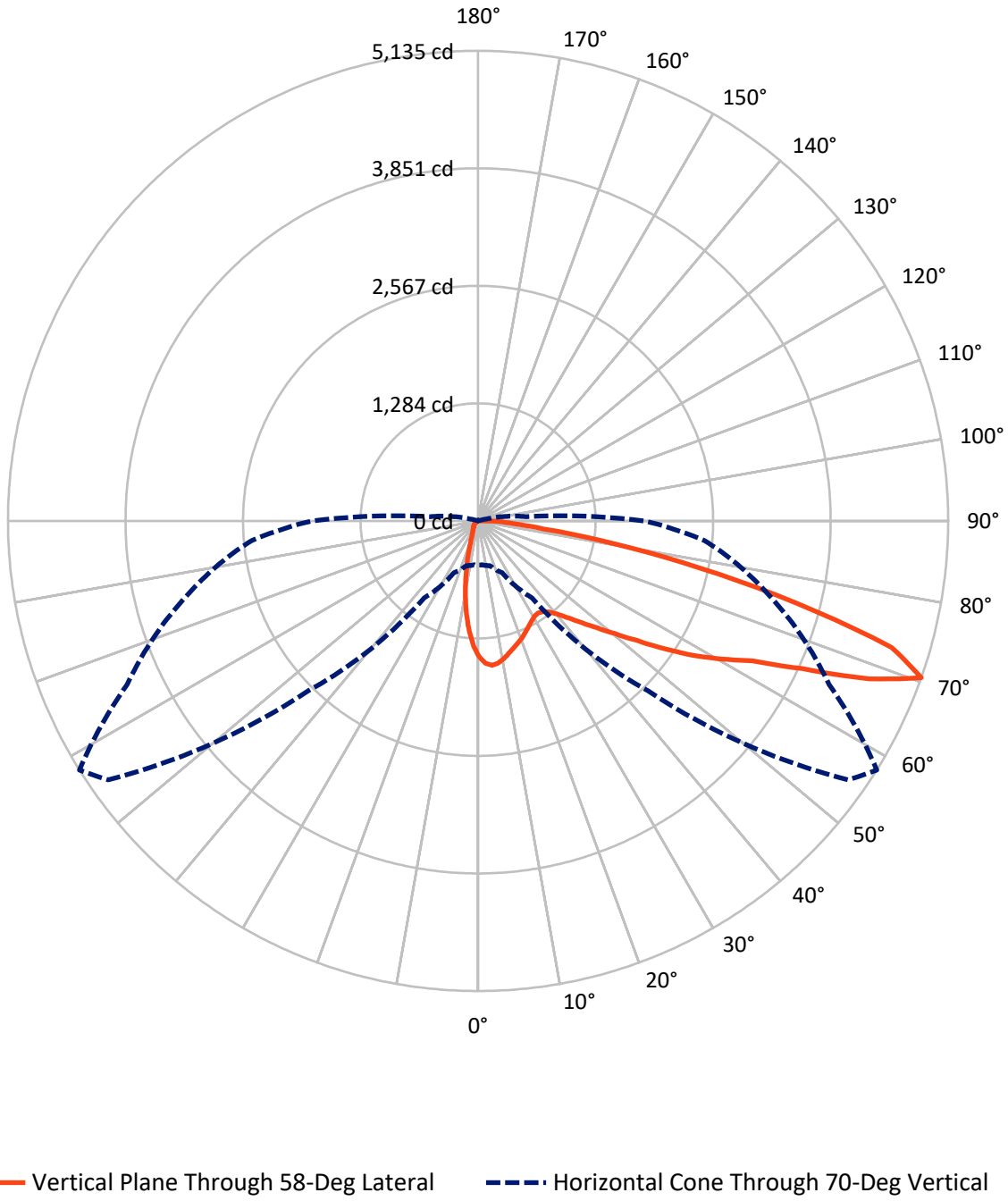
Luminous Intensity Polar Plot



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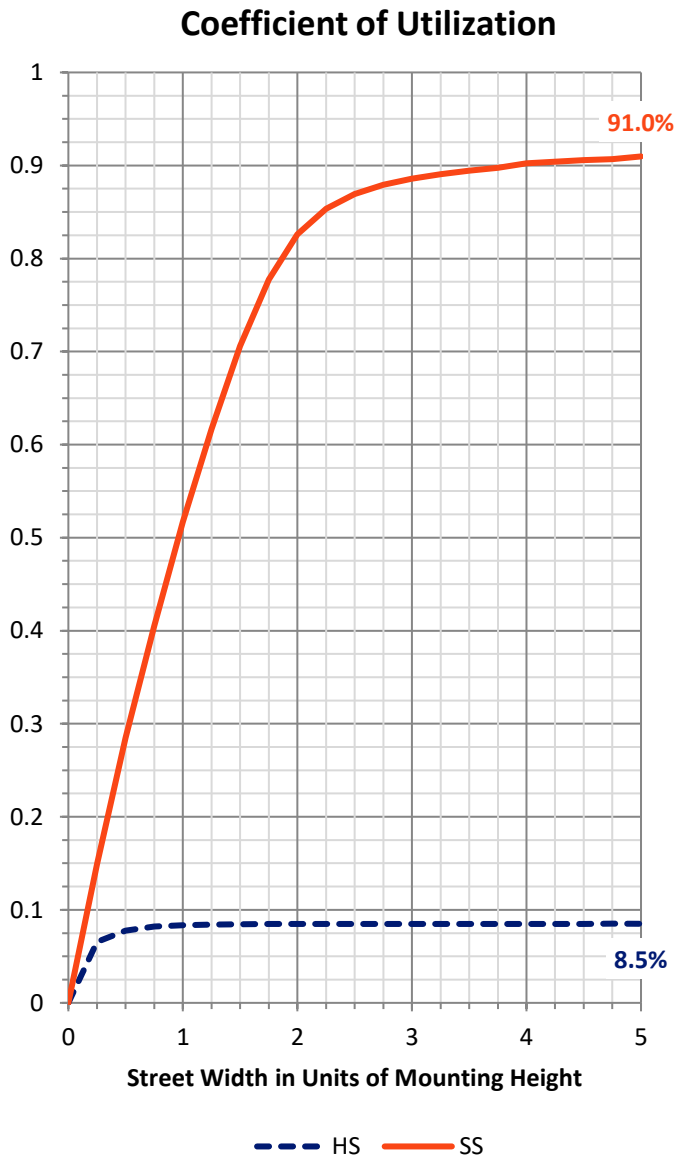
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	430.2	0.0	430.2
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	4596.8	0.0	4596.8
	% Fixture	91.4	0.0	91.4
Total	Lumens	5027.0	0.0	5027.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	2.4
10°-20°	254.9	5.1
20°-30°	335.0	6.7
30°-40°	443.7	8.8
40°-50°	663.2	13.2
50°-60°	1062.5	21.1
60°-70°	1339.3	26.6
70°-80°	722.4	14.4
80°-90°	84.6	1.7
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°	5027.0	100.0
0°-180°	5027.0	100.0



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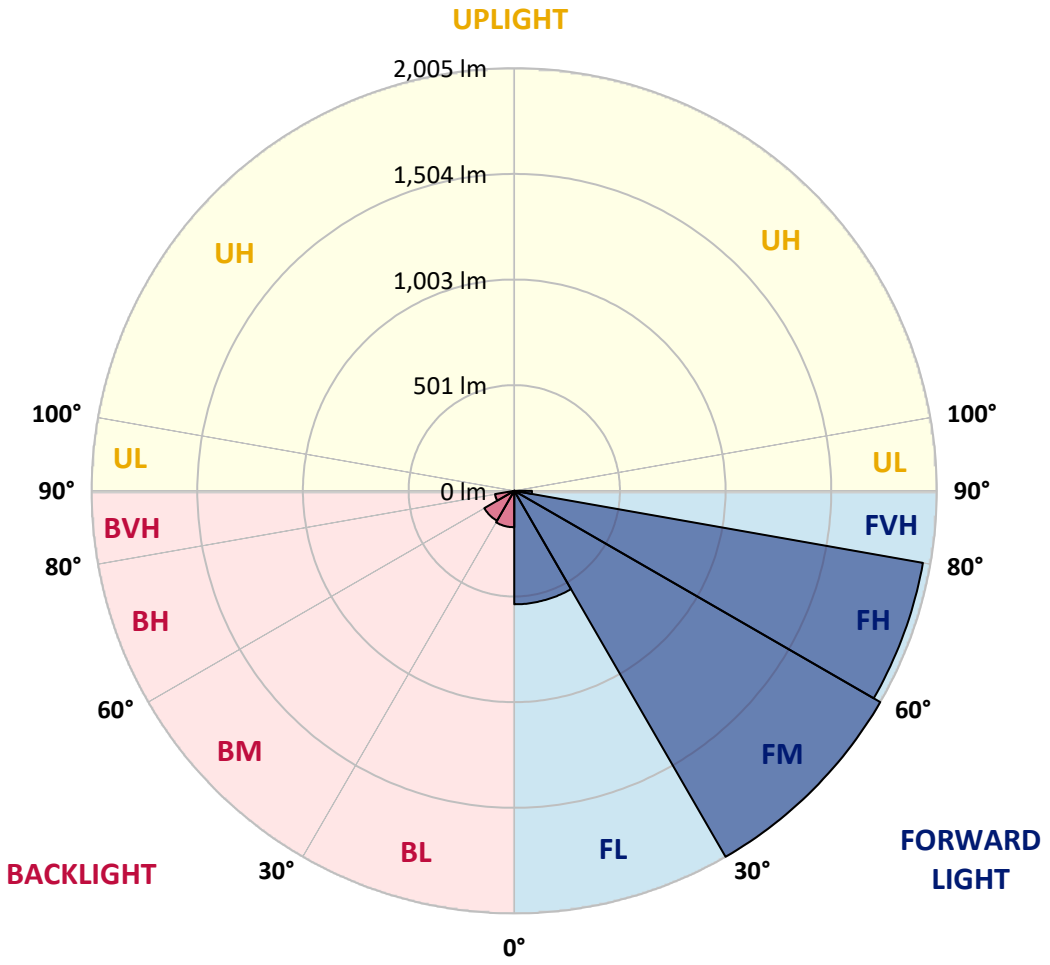
REPORT NUMBER: P323685
CATALOG NUMBER: GLEON-SA1C-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	538.5	10.7			
FM	(30°-60°)	2005.4	39.9			
FH	(60°-80°)	1969.1	39.2			G2/5000
FVH	(80°-90°)	83.8	1.7			G1/100
BL	(0°-30°)	172.8	3.4	B1/500		
BM	(30°-60°)	164.1	3.3	B0/220		
BH	(60°-80°)	92.5	1.8	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G2
Type III Medium



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Scaled Data Report

REPORT NUMBER: P323685
CATALOG NUMBER: GLEON-SA1C-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	*1485.0*	1485.0	1485.0	1485.0
2.5°	1608.1	1604.1	1602.6	1600.1	1590.5	1581.1	1562.5	*1557.3*	1545.6	1517.8	1488.3
5°	1609.3	1609.1	1613.5	1612.5	1609.1	1604.7	1591.3	*1584.5*	1564.6	1524.9	1470.9
7.5°	1531.8	1535.7	1545.6	1553.5	1562.7	1574.6	1576.3	*1569.6*	1553.3	1510.5	1439.0
10°	1427.7	1433.9	1447.7	1463.4	1487.5	1511.3	1532.6	*1531.8*	1526.1	1483.9	1400.5
12.5°	1323.4	1330.7	1346.6	1369.8	1403.8	1442.7	1480.8	*1486.0*	1495.4	1460.1	1365.0
15°	1232.0	1238.3	1254.0	1282.4	1324.6	1376.9	1432.7	*1442.3*	1466.6	1441.5	1335.3
17.5°	1154.5	1158.4	1169.9	1201.5	1250.4	1313.8	1386.3	*1405.1*	1441.3	1426.8	1309.6
20°	1100.3	1101.0	1108.5	1130.6	1179.6	1250.4	1338.2	*1365.2*	1414.5	1414.3	1283.0
22.5°	1073.6	1071.5	1073.0	1085.7	1121.7	1190.0	1290.1	*1322.1*	1390.5	1403.6	1256.1
25°	1068.6	1066.9	1062.7	1064.4	1086.1	1137.1	1241.6	*1278.6*	1369.4	1397.2	1232.7
27.5°	1084.2	1085.9	1078.8	1071.3	1073.0	1102.8	1198.6	*1241.4*	1352.2	1397.2	1216.1
30°	1115.8	1116.6	1111.4	1101.6	1088.4	1093.2	1168.7	*1211.5*	1343.6	1406.8	1205.7
32.5°	1150.7	1155.3	1154.7	1146.7	1127.9	1108.5	1161.6	*1200.7*	1343.0	1428.1	1204.6
35°	1194.0	1199.2	1208.0	1206.3	1186.7	1154.7	1185.8	*1216.6*	1355.4	1463.2	1215.9
37.5°	1240.0	1247.9	1266.7	1275.7	1263.0	1226.8	1240.2	*1262.1*	1388.4	1520.1	1244.6
40°	1284.5	1293.5	1327.8	1363.1	1353.5	1316.3	1322.5	*1340.1*	1447.1	1601.8	1298.9
42.5°	1328.2	1341.6	1391.9	1450.0	1461.5	1431.9	1435.2	*1449.2*	1534.3	1714.3	1387.8
45°	1380.4	1395.5	1470.1	1541.8	1572.5	1559.6	1573.8	*1583.0*	1648.2	1862.9	1507.5
47.5°	1457.2	1474.5	1566.1	1647.8	1701.7	1710.1	1738.7	*1744.8*	1792.2	2036.0	1663.7
50°	1606.8	1611.6	1694.4	1768.6	1846.4	1896.5	1929.1	*1933.7*	1966.6	2225.1	1858.7
52.5°	1795.2	1798.3	1845.1	1894.9	1983.3	2085.7	2162.0	*2168.5*	2175.4	2409.5	2051.2
55°	1982.2	1981.8	2012.8	2042.0	2143.2	2292.0	2457.6	*2461.5*	2412.0	2584.5	2198.4
57.5°	2099.1	2110.4	2157.4	2195.0	2336.3	2527.2	2756.9	*2771.5*	2660.5	2714.1	2343.9
60°	2061.9	2067.3	2171.6	2310.8	2576.9	2861.4	3059.8	*3063.5*	2847.4	2843.4	2527.8
62.5°	1756.7	1759.6	1923.5	2210.5	2698.8	3294.9	3425.2	*3363.9*	3062.3	3023.0	2747.9
65°	1204.0	1223.0	1360.0	1714.7	2474.9	3566.9	3990.8	*3889.4*	3389.8	3281.8	2946.9
67.5°	709.0	705.1	772.8	1034.1	1817.7	3386.3	4706.3	*4605.6*	3836.5	3455.1	2888.6
70°	*484.3*	*481.6*	*507.5*	*626.0*	*1026.1*	*2626.9*	*4931.4*	*5134.8*	*4231.0*	*3338.4*	*2486.0*
72.5°	345.7	347.2	385.5	486.4	644.2	1530.5	4240.8	*4722.2*	4107.4	2910.3	1889.6
75°	234.7	238.7	293.5	399.0	564.8	778.6	3009.4	*3589.7*	3344.7	2115.2	1086.1
77.5°	126.3	130.6	195.2	321.5	510.7	541.0	1935.8	*2470.5*	2101.0	950.9	314.8
80°	52.7	55.2	91.3	233.7	441.3	475.1	1139.0	*1498.1*	895.3	187.5	70.2
82.5°	22.8	24.0	38.0	139.4	329.8	401.1	603.1	*720.7*	271.3	41.2	35.3
85°	4.4	4.6	15.7	73.8	210.5	226.4	390.9	*383.2*	121.9	17.8	25.7
87.5°	0.0	0.0	3.8	23.2	61.9	123.3	238.5	*235.6*	41.4	8.6	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0

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REPORT NUMBER: P323685
CATALOG NUMBER: GLEON-SA1C-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0	1485.0
2.5°	1473.2	1458.8	1428.5	1391.1	1362.5	1330.9	1305.8	1274.0	1260.2	1260.9	1253.3
5°	1440.2	1410.5	1343.4	1258.8	1193.6	1126.3	1068.4	1010.7	976.6	965.5	955.1
7.5°	1393.0	1345.9	1238.9	1108.5	998.1	890.3	796.4	713.8	661.6	636.1	626.7
10°	1339.7	1273.6	1118.7	946.9	789.3	643.4	521.7	416.0	373.7	345.1	337.8
12.5°	1292.9	1203.4	1001.3	781.1	594.1	418.1	302.0	236.2	207.6	196.3	194.4
15°	1248.7	1137.8	888.2	631.1	411.4	257.3	192.1	169.7	163.0	161.2	161.2
17.5°	1207.2	1075.3	777.6	483.3	272.2	180.4	159.1	154.1	152.0	151.8	152.0
20°	1163.7	1012.8	668.9	354.1	190.0	152.8	146.9	144.2	143.6	143.6	143.6
22.5°	1122.1	950.3	563.1	252.9	152.4	139.4	136.5	134.6	134.0	133.8	133.4
25°	1082.2	890.9	459.9	178.7	133.8	127.7	125.2	122.7	120.8	119.8	119.1
27.5°	1049.3	838.0	363.7	143.4	120.8	115.6	112.5	108.7	104.1	102.0	101.2
30°	1023.2	789.7	280.3	121.0	108.7	103.5	98.7	92.2	85.5	81.9	81.7
32.5°	1002.7	742.3	212.8	107.0	97.8	91.3	84.4	76.3	68.6	64.6	64.4
35°	992.7	700.5	162.6	96.8	88.2	80.1	71.5	62.5	55.0	51.2	50.8
37.5°	999.4	665.1	126.9	88.2	80.1	70.7	60.6	51.2	44.5	41.2	41.0
40°	1023.8	642.6	103.1	80.9	73.2	61.7	50.8	42.0	36.4	33.7	33.4
42.5°	1075.9	634.2	88.0	74.8	66.5	53.3	42.2	34.7	29.5	27.6	27.2
45°	1162.8	646.5	77.8	69.0	59.6	45.4	34.9	28.4	23.8	22.4	22.2
47.5°	1278.6	678.9	70.4	63.3	53.3	38.3	29.1	23.0	19.4	18.0	17.8
50°	1427.9	730.4	64.4	57.7	47.4	32.4	24.0	18.2	15.1	14.0	14.0
52.5°	1590.3	791.6	58.9	52.5	41.6	27.0	19.4	14.0	11.9	10.7	10.7
55°	1724.5	845.1	53.1	48.5	34.5	22.4	14.8	10.7	8.8	8.2	8.2
57.5°	1858.5	902.2	46.4	41.6	27.6	18.2	11.3	7.9	6.5	6.1	6.1
60°	2032.2	972.0	39.9	33.9	21.7	13.8	8.4	5.6	4.8	4.6	4.6
62.5°	2223.2	1013.0	34.1	27.2	16.9	10.2	6.1	3.8	3.6	3.6	3.3
65°	2340.1	955.1	28.6	21.7	13.2	7.7	4.0	2.7	3.1	2.9	2.5
67.5°	2191.1	747.7	23.4	16.9	10.2	5.9	2.5	1.9	3.3	2.7	2.1
70°	*1814.2*	*523.4*	*18.2*	*11.9*	*8.2*	*5.0*	*1.7*	*1.3*	*3.6*	*2.7*	*1.7*
72.5°	1357.7	350.3	14.4	7.9	6.1	4.4	1.5	0.6	3.1	2.3	1.5
75°	741.8	141.1	11.5	5.0	3.8	3.1	1.0	0.4	2.1	1.7	1.0
77.5°	195.2	37.2	8.4	3.3	2.1	1.3	0.6	0.2	1.0	0.8	0.4
80°	49.7	14.4	5.4	2.3	1.5	0.6	0.0	0.0	0.2	0.0	0.0
82.5°	26.5	6.1	3.3	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.1	4.0	1.9	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.7	1.3	0.6	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

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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

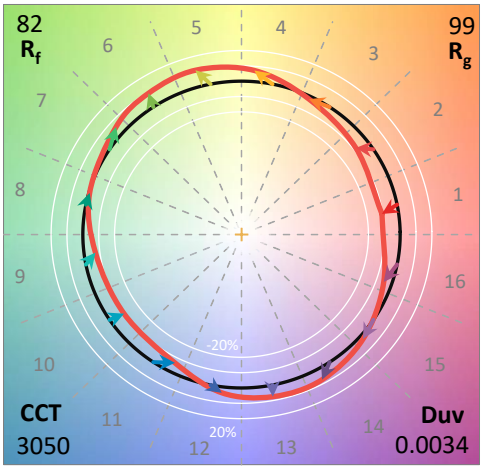
Test Information

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

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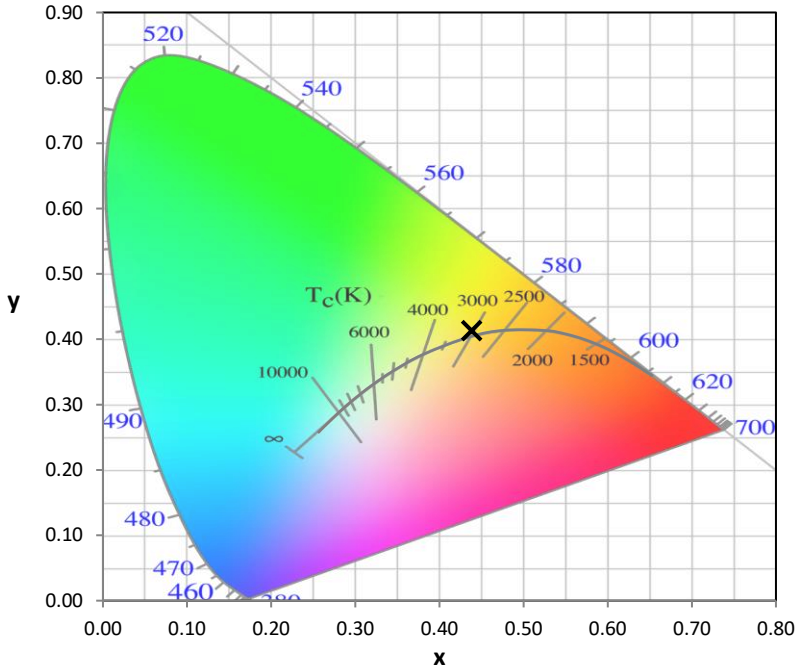
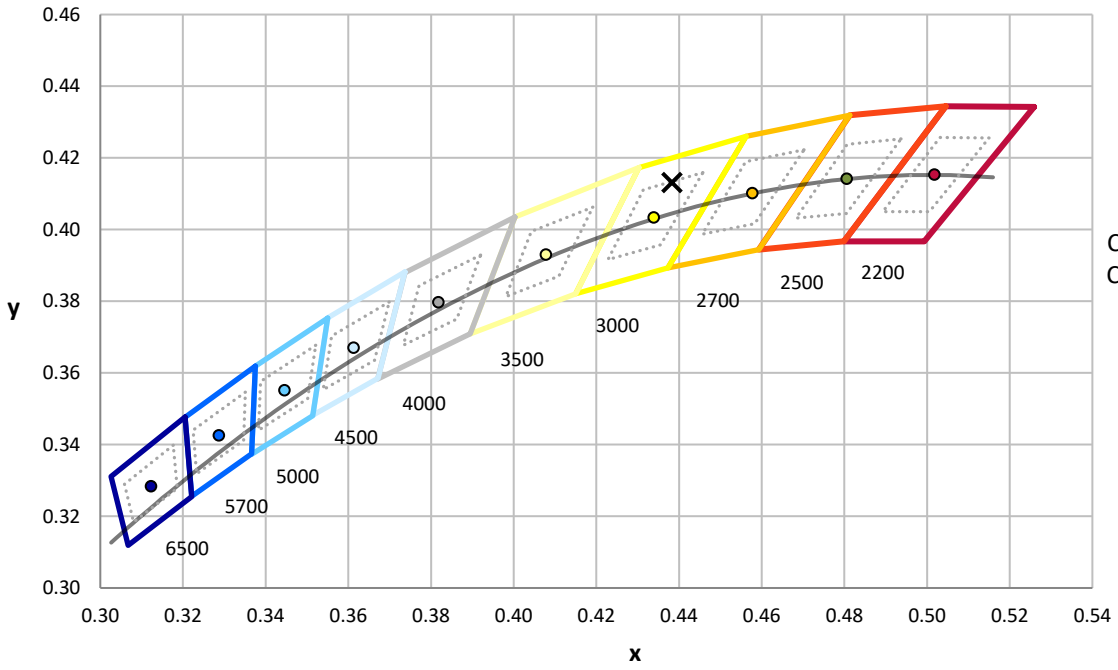
CIE 1931 Chromaticity Diagram



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

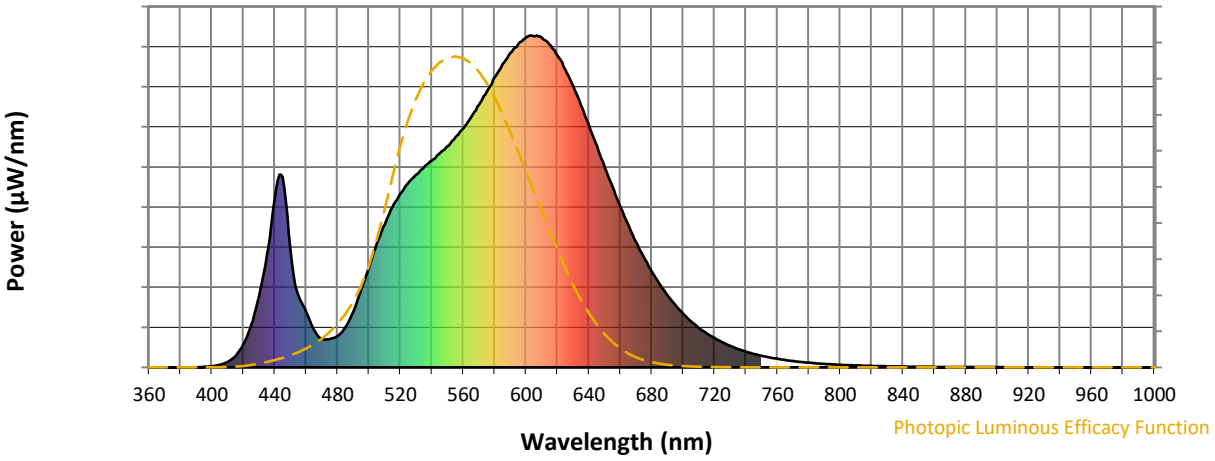


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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			

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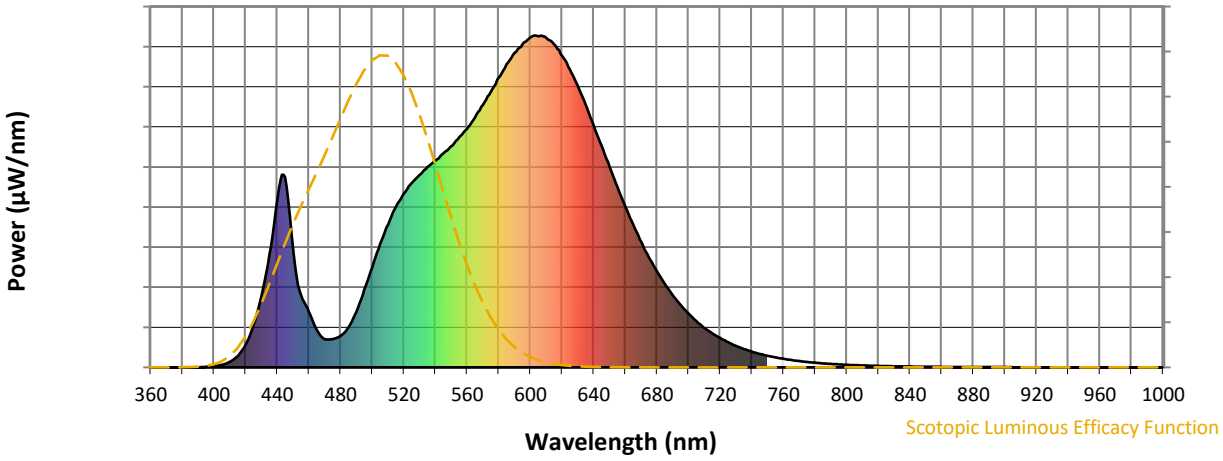
Scotopic Flux vs. Wavelength



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			

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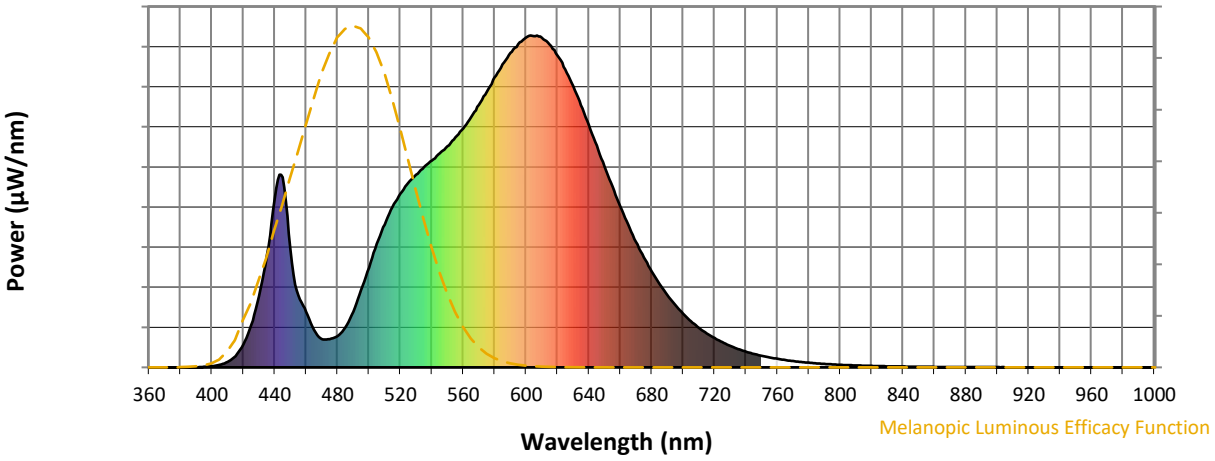
Melanopic Flux vs. Wavelength



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			

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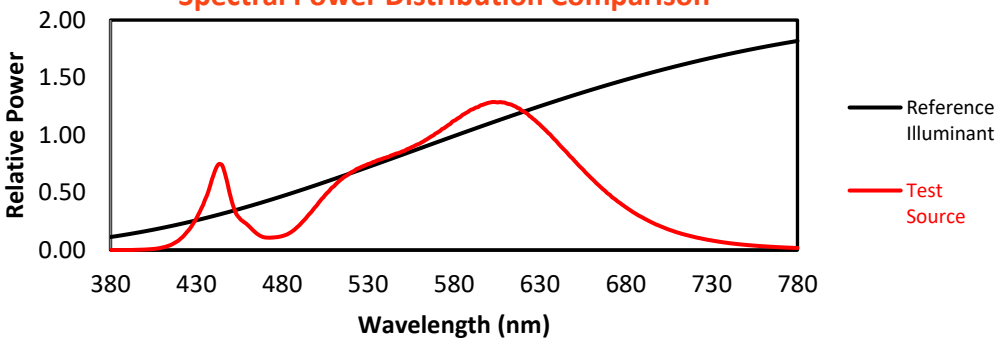
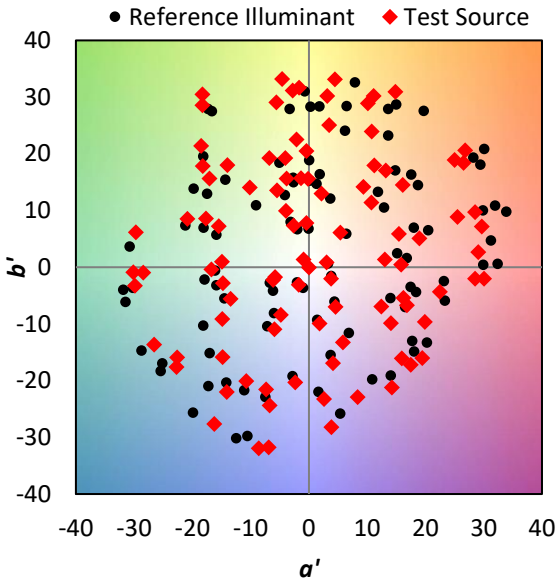
Summary

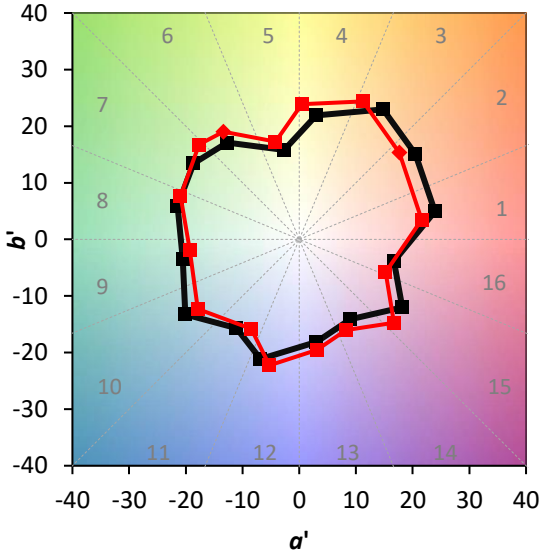
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

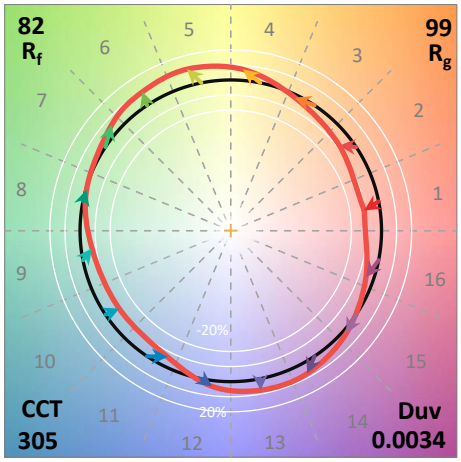
Spectral Power Distribution Comparison

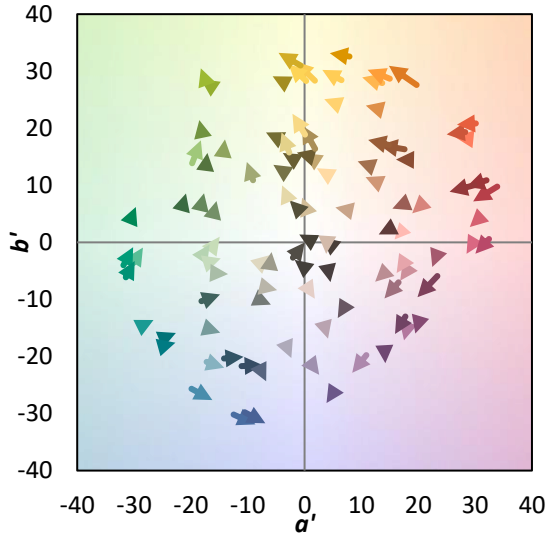


Color Vector Graphics









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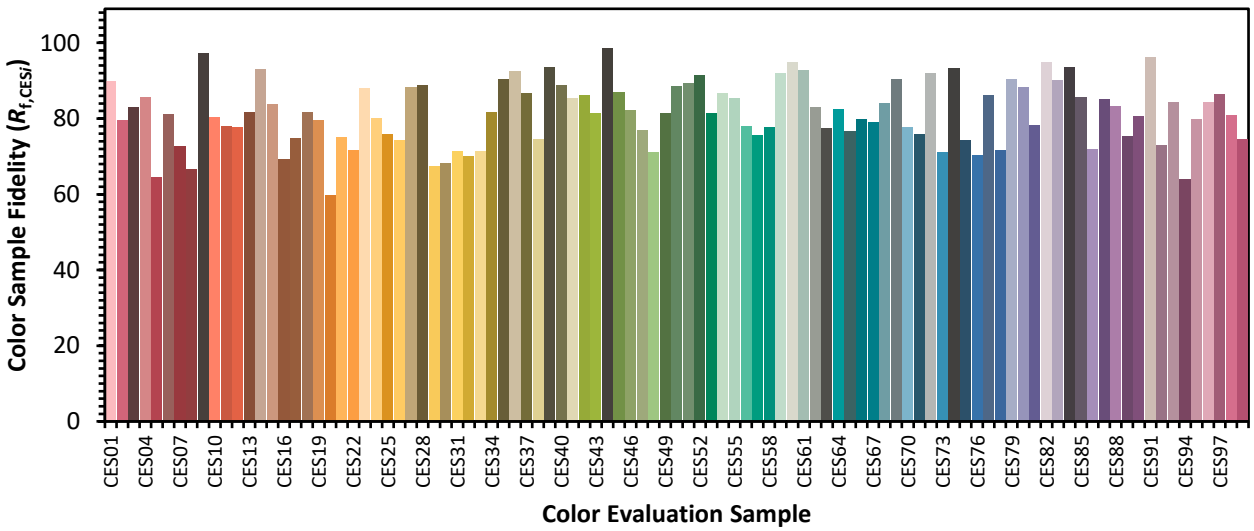
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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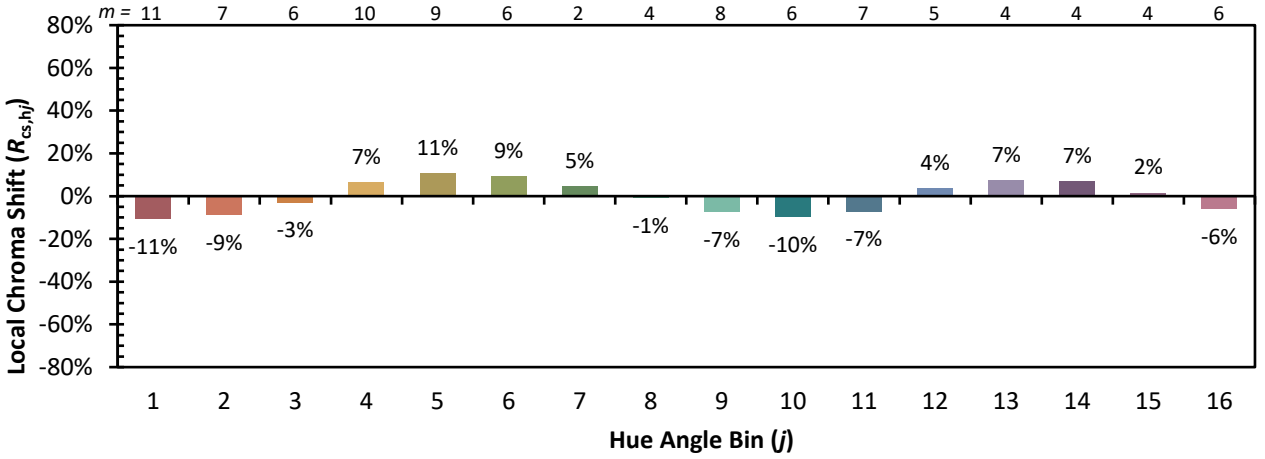
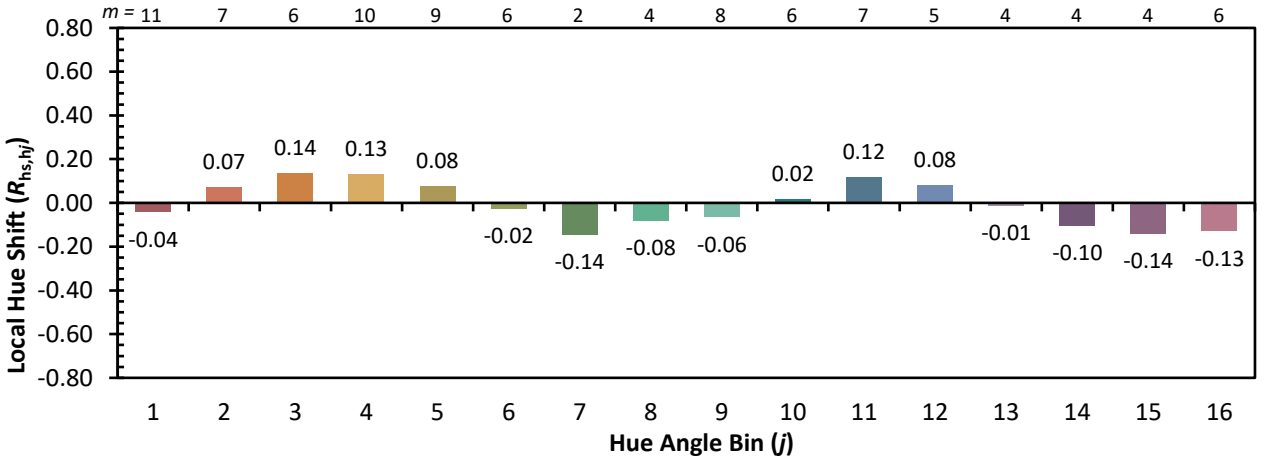
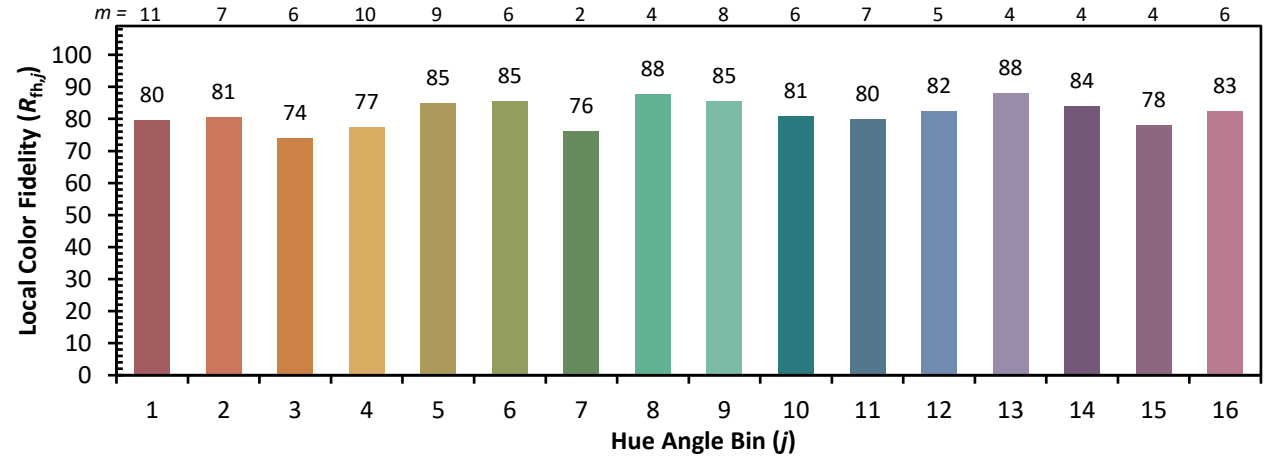
Color Rendition by Hue-Angle Bin







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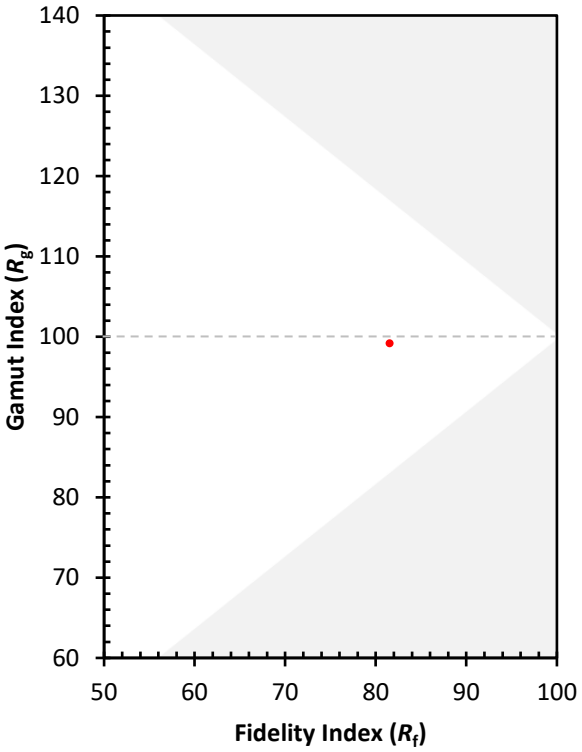
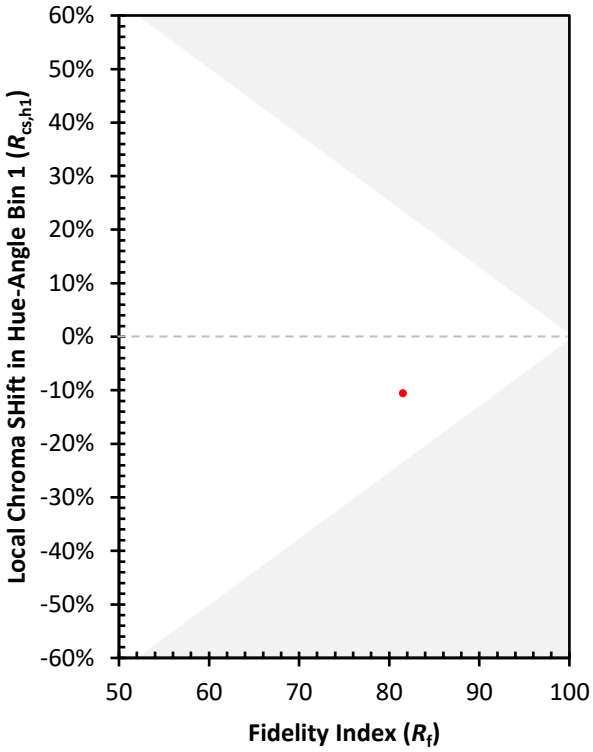
Measure Comparisons





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