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: P323375

Luminaire Tested: **GLEON-SA1D-830-U-SL2-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:	P323375
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
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-SL2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5347 lumens
Efficiency:	N/A
Efficacy:	79.8 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):	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

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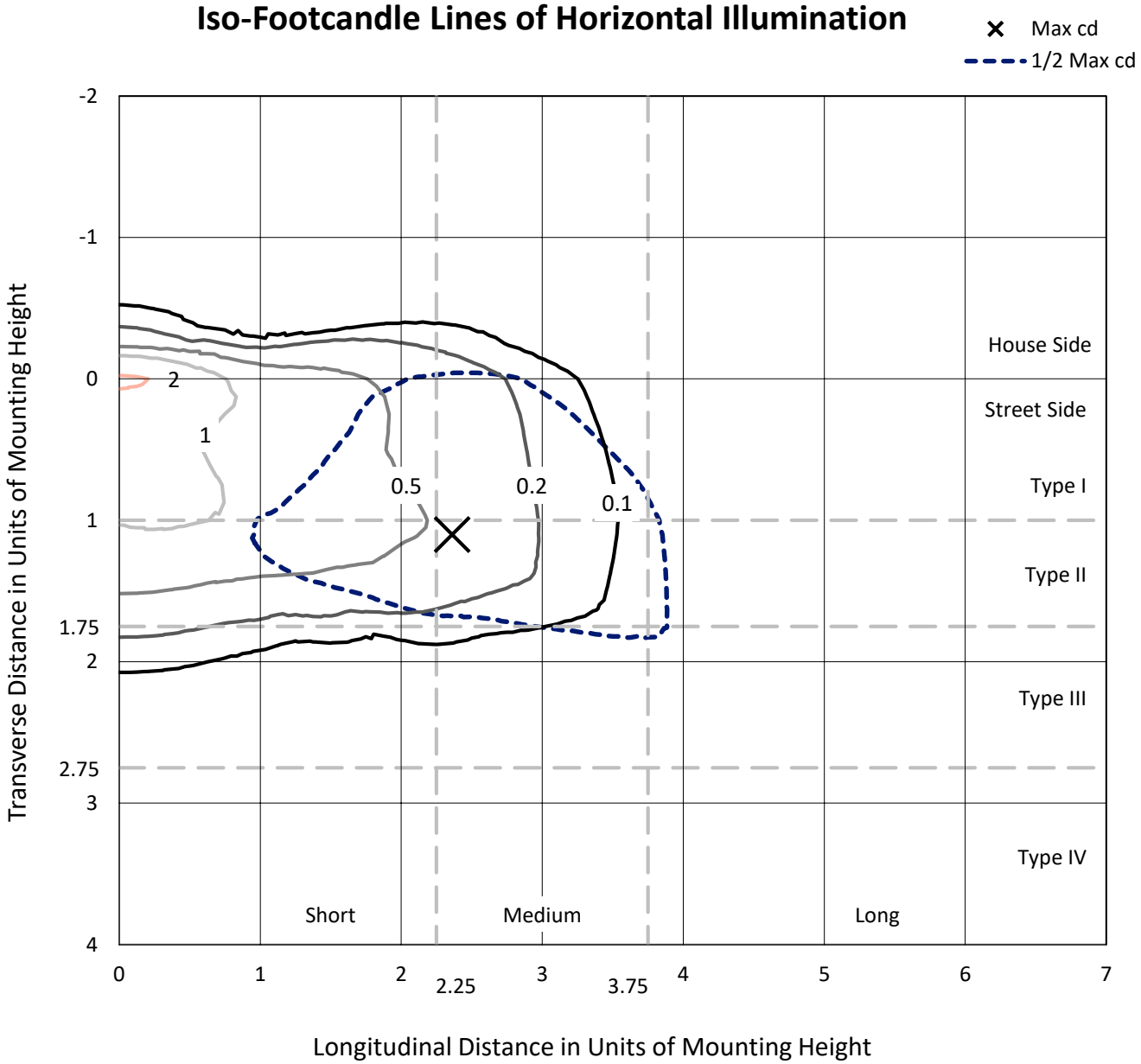
Scaled Data Report

REPORT NUMBER: P323375
CATALOG NUMBER: GLEON-SA1D-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Medium - N/A

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REPORT NUMBER: P323375
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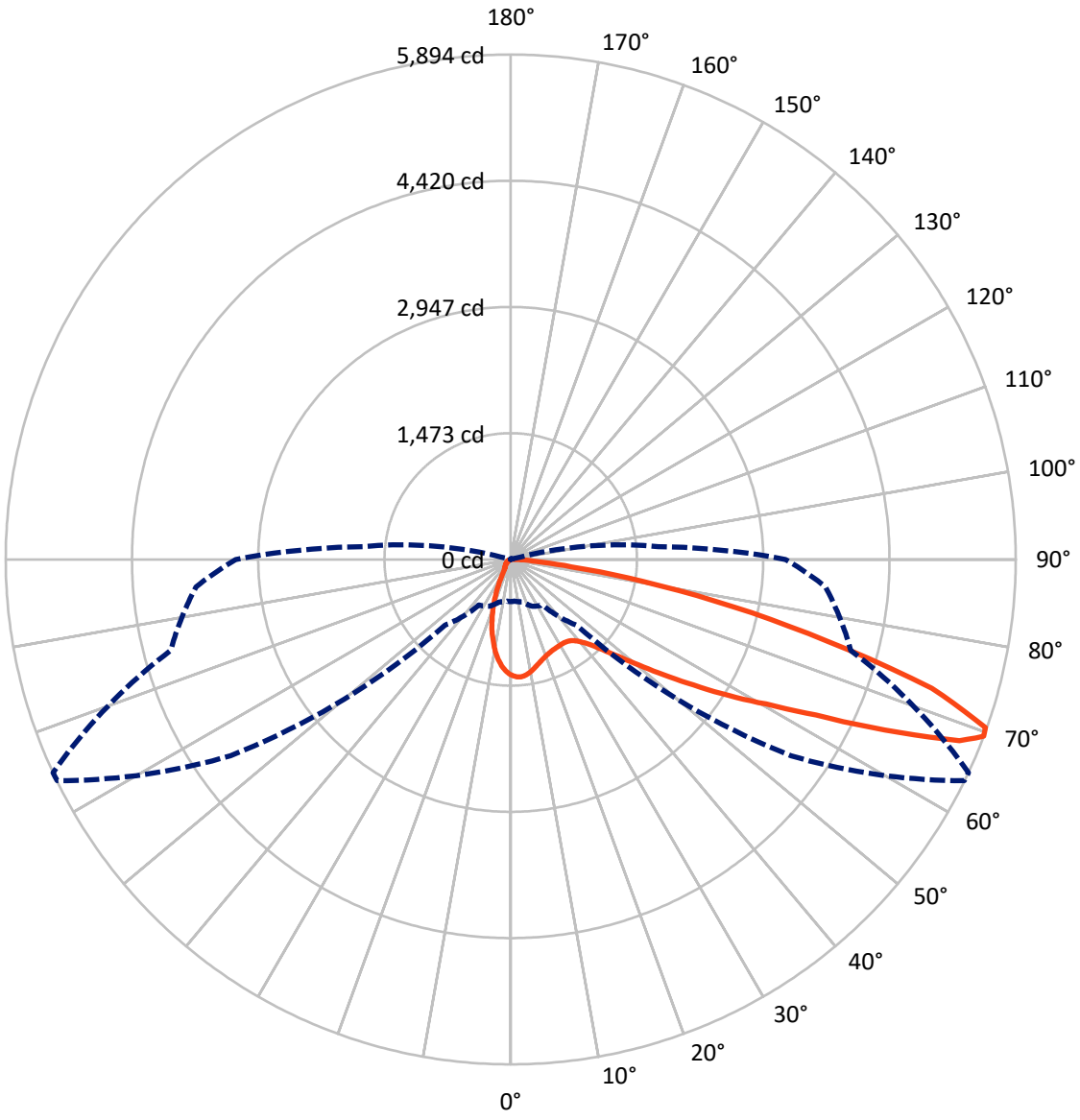
Luminous Intensity Polar Plot



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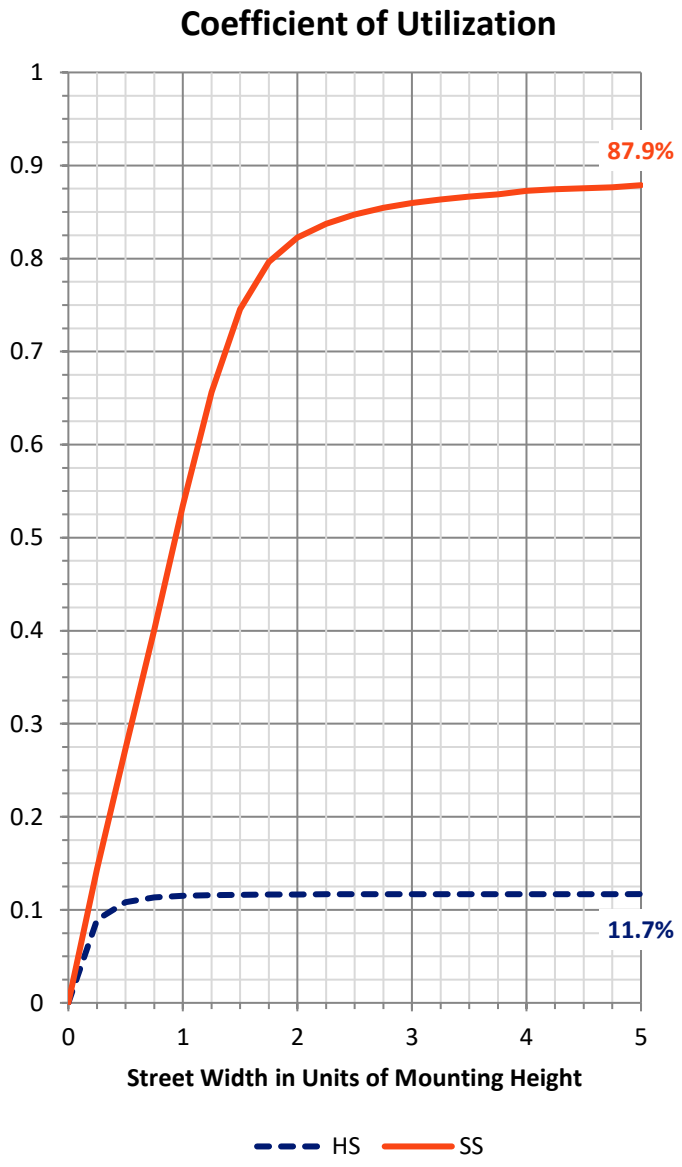
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	630.3	0.0	630.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4716.7	0.0	4716.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	5347.0	0.0	5347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	2.1
10°-20°	247.3	4.6
20°-30°	342.6	6.4
30°-40°	477.7	8.9
40°-50°	742.4	13.9
50°-60°	1191.9	22.3
60°-70°	1348.2	25.2
70°-80°	791.8	14.8
80°-90°	92.1	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°	5347.0	100.0
0°-180°	5347.0	100.0



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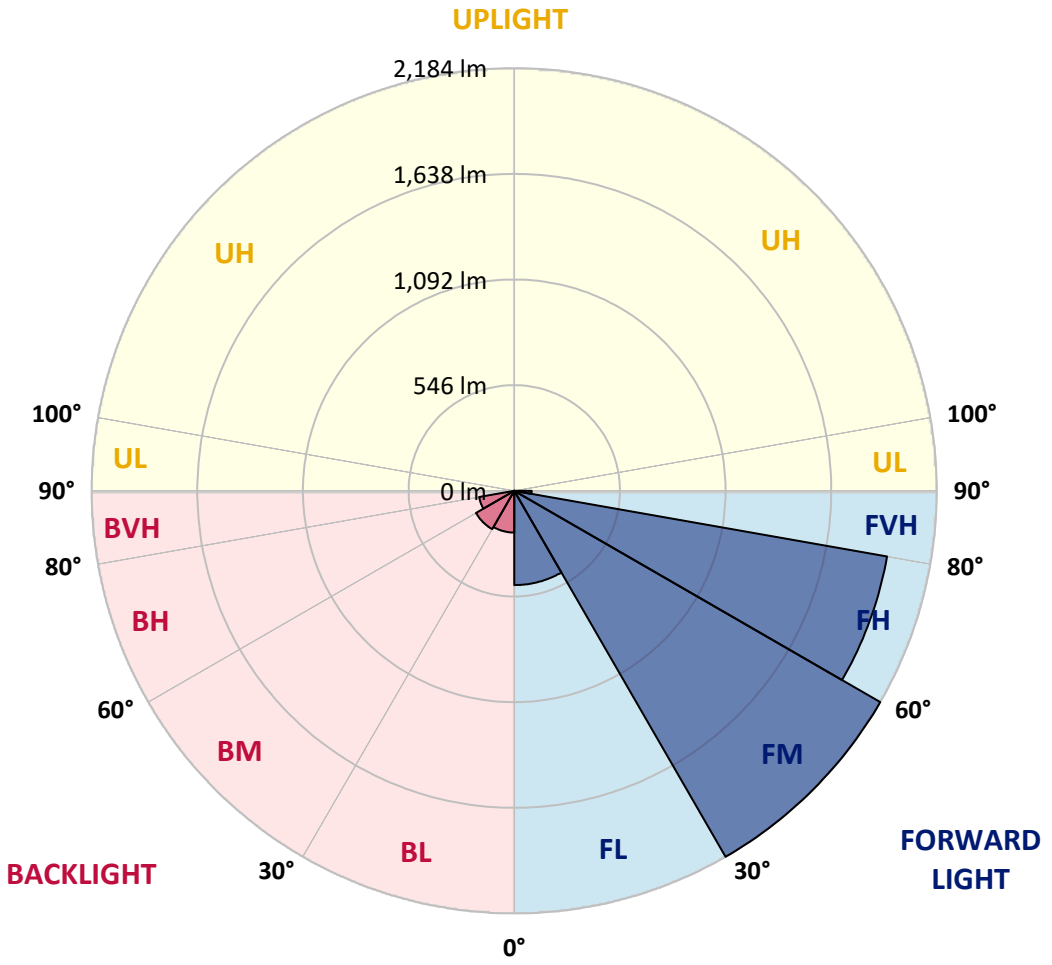
CATALOG NUMBER: GLEON-SA1D-830-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	487.2	9.1			
FM	(30°-60°)	2183.6	40.8			
FH	(60°-80°)	1955.9	36.6			G2/5000
FVH	(80°-90°)	90.0	1.7			G1/100
BL	(0°-30°)	215.7	4.0	B1/500		
BM	(30°-60°)	228.4	4.3	B1/1000		
BH	(60°-80°)	184.2	3.4	B1/500		G1/500
BVH	(80°-90°)	2.1	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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REPORT NUMBER: P323375
CATALOG NUMBER: GLEON-SA1D-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	*1351.2*	1351.2	1351.2
2.5°	1363.2	1359.8	1362.5	1368.4	1371.3	1371.3	1373.6	1370.9	*1371.8*	1365.2	1355.7
5°	1277.9	1272.7	1280.2	1296.7	1317.0	1334.5	1360.2	1373.8	*1375.2*	1375.4	1364.3
7.5°	1186.0	1181.3	1192.4	1211.8	1238.1	1270.4	1315.4	1354.8	*1357.1*	1378.3	1370.2
10°	1111.4	1108.0	1120.9	1141.7	1172.5	1208.7	1263.9	1318.6	*1325.2*	1372.2	1369.3
12.5°	1052.1	1049.4	1061.6	1085.6	1117.0	1157.1	1214.8	1278.3	*1287.2*	1358.4	1364.8
15°	1008.9	1008.4	1018.6	1041.7	1076.5	1113.9	1172.9	1241.0	*1251.2*	1343.5	1364.1
17.5°	986.2	986.9	994.4	1014.1	1043.9	1081.0	1137.6	1209.6	*1220.6*	1330.2	1367.5
20°	984.0	984.7	988.7	999.8	1024.0	1056.8	1108.9	1183.1	*1194.6*	1320.2	1372.9
22.5°	1003.9	1003.4	1004.6	1003.4	1017.0	1041.9	1089.9	1162.7	*1176.1*	1313.6	1377.2
25°	1042.1	1041.5	1041.0	1032.6	1023.6	1036.9	1082.0	1151.2	*1163.9*	1308.9	1379.7
27.5°	1095.3	1094.8	1094.2	1080.4	1053.2	1044.8	1082.9	1146.9	*1157.5*	1305.0	1379.3
30°	1165.2	1168.4	1167.5	1148.2	1105.9	1069.1	1092.4	1144.6	*1153.9*	1297.6	1374.5
32.5°	1247.3	1253.7	1258.7	1238.1	1185.1	1117.0	1114.3	1147.1	*1153.9*	1291.9	1365.9
35°	1332.6	1340.8	1359.1	1351.9	1282.2	1189.2	1152.1	1162.0	*1167.7*	1295.1	1361.8
37.5°	1416.6	1426.3	1466.1	1487.2	1409.3	1284.7	1210.9	1198.9	*1201.9*	1314.3	1366.4
40°	1514.1	1528.8	1589.2	1623.2	1561.2	1412.5	1298.9	1262.3	*1263.4*	1356.6	1387.4
42.5°	1642.2	1657.3	1722.7	1775.9	1732.2	1574.1	1418.4	1359.1	*1358.0*	1435.8	1436.9
45°	1798.3	1814.1	1881.8	1940.8	1921.1	1765.5	1571.3	1500.5	*1499.2*	1560.7	1530.8
47.5°	1975.2	1990.8	2051.2	2112.1	2133.4	1989.0	1766.1	1693.5	*1690.4*	1734.2	1675.9
50°	2127.0	2137.2	2192.9	2274.8	2370.7	2263.7	2008.5	1938.6	*1935.2*	1964.8	1888.8
52.5°	2182.2	2188.1	2244.7	2359.4	2598.8	2635.6	2326.8	2236.8	*2234.3*	2247.2	2172.3
55°	2070.5	2081.1	2150.6	2320.7	2722.3	3056.0	2728.6	2606.0	*2587.2*	2559.4	2468.7
57.5°	1765.9	1782.9	1857.6	2083.8	2664.6	3389.5	3319.2	3023.7	*2996.1*	2825.9	2709.6
60°	1323.1	1344.0	1406.0	1650.1	2356.7	3508.3	3964.4	3489.1	*3426.9*	3038.2	2931.1
62.5°	908.0	918.4	960.5	1119.5	1735.6	3313.7	4504.3	4112.4	*3998.8*	3268.9	3170.7
65°	693.5	697.1	714.3	769.0	1033.5	2691.8	4719.0	4934.9	*4797.5*	3545.0	3419.4
67.5°	558.9	555.9	579.7	658.0	692.1	1642.2	4468.5	5712.9	*5648.7*	3914.0	3669.6
69°	*492.8*	*488.7*	*512.9*	*603.9*	*650.0*	*1085.6*	*3994.8*	*5889.7*	*5893.7*	*4108.8*	*3686.8*
70°	443.5	446.2	470.2	571.7	635.8	852.1	3542.3	5844.6	*5876.8*	4181.6	3583.7
72.5°	296.2	303.4	351.6	474.7	611.3	644.8	2138.8	5015.4	*5138.9*	4017.6	3074.6
75°	167.0	172.4	229.6	357.9	576.0	614.1	1129.7	3695.0	*3814.4*	3359.7	2370.9
77.5°	81.9	84.8	129.9	231.0	481.7	585.1	640.8	2509.8	*2646.3*	2192.9	1341.0
80°	34.6	36.2	64.9	142.5	344.4	558.4	475.8	1544.6	*1561.6*	859.1	357.3
82.5°	13.3	13.8	27.4	88.9	218.8	435.3	398.0	732.4	*714.7*	161.8	81.5
85°	1.6	1.8	10.0	53.4	121.7	224.0	323.3	315.6	*292.1*	32.1	41.9
87.5°	0.0	0.0	0.7	16.3	36.2	105.0	168.1	131.0	*118.1*	10.4	21.7
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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Scaled Data Report

REPORT NUMBER: P323375
CATALOG NUMBER: GLEON-SA1D-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2
2.5°	1347.8	1345.5	1333.3	1315.7	1298.9	1278.1	1258.2	1246.2	1236.7	1230.4	1237.8
5°	1351.4	1341.5	1304.4	1256.8	1210.2	1157.7	1108.9	1067.5	1051.2	1033.1	1041.2
7.5°	1350.3	1331.5	1264.8	1180.1	1094.6	1006.2	922.4	858.0	824.5	791.7	800.0
10°	1344.6	1313.0	1211.8	1086.5	958.4	831.3	712.5	622.2	571.7	526.0	532.6
12.5°	1332.2	1288.1	1149.4	979.2	808.0	640.3	501.2	385.5	323.5	296.2	299.6
15°	1324.7	1263.9	1083.3	870.6	647.3	445.9	306.3	227.8	199.6	190.5	191.6
17.5°	1321.1	1240.6	1015.0	746.4	483.1	284.0	198.0	174.7	168.6	167.0	167.4
20°	1317.5	1217.0	944.6	623.6	332.8	191.0	162.7	155.9	153.6	151.6	152.0
22.5°	1311.4	1194.4	869.0	499.1	224.4	155.0	146.6	140.1	135.3	132.8	133.3
25°	1303.9	1170.6	791.9	371.7	163.8	138.2	130.3	121.0	115.4	110.9	111.1
27.5°	1291.9	1141.5	712.3	270.6	137.6	123.8	113.1	102.9	93.4	88.2	88.2
30°	1275.2	1108.4	623.8	193.7	123.3	109.5	96.6	83.9	73.8	69.0	68.6
32.5°	1256.6	1074.0	534.4	146.8	112.0	96.2	81.5	68.1	59.1	55.2	55.0
35°	1240.8	1036.9	445.3	123.1	100.7	83.3	67.2	55.9	48.6	45.5	45.3
37.5°	1230.6	999.8	358.4	110.0	90.5	71.3	56.3	46.2	41.0	38.5	38.2
40°	1229.0	972.2	279.0	100.0	81.0	60.6	47.1	39.1	34.4	31.7	31.4
42.5°	1249.6	956.4	214.0	91.6	71.3	51.4	40.0	33.5	28.5	25.8	25.6
45°	1303.7	961.4	164.7	84.2	61.5	43.4	33.9	27.8	23.3	21.3	20.8
47.5°	1402.3	995.7	131.0	76.7	52.3	36.9	29.0	23.1	19.2	17.2	17.0
50°	1577.9	1076.5	109.5	68.6	43.7	31.4	24.0	18.8	15.6	13.8	13.6
52.5°	1810.9	1220.4	97.7	60.6	36.2	26.7	19.7	14.9	12.2	10.9	10.6
55°	2068.0	1394.6	90.0	52.0	29.6	22.2	15.6	11.8	9.5	8.4	7.9
57.5°	2318.9	1545.5	82.8	43.7	24.7	18.1	12.4	9.3	7.5	6.3	6.1
60°	2549.4	1684.2	74.4	35.1	20.1	14.3	9.7	7.2	5.9	4.8	4.8
62.5°	2796.3	1791.5	62.9	27.4	16.5	10.9	7.9	6.6	4.8	4.1	3.8
65°	3057.8	1871.1	49.3	21.3	12.9	8.1	6.6	6.8	3.8	2.9	2.7
67.5°	3251.1	1855.3	36.4	16.7	10.0	6.3	6.3	7.2	3.4	2.3	2.0
69°	*3208.5*	*1726.6*	*30.5*	*14.5*	*8.6*	*5.4*	*5.9*	*7.2*	*3.2*	*2.0*	*1.8*
70°	3085.2	1584.0	26.9	12.9	7.7	5.0	5.7	7.0	2.9	2.0	1.8
72.5°	2569.4	1193.0	21.0	9.7	6.1	4.1	4.8	6.1	2.9	2.0	1.6
75°	1932.7	763.6	16.1	7.0	4.5	3.2	3.6	4.5	2.9	1.8	1.6
77.5°	1051.6	275.4	11.5	4.8	3.2	2.5	2.5	3.4	2.7	1.4	0.9
80°	270.4	69.2	7.2	3.2	2.5	1.8	1.6	2.3	1.6	0.2	0.0
82.5°	66.7	15.6	3.8	2.3	1.8	0.7	0.7	1.1	0.7	0.0	0.0
85°	36.7	7.7	2.5	1.6	0.9	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	18.8	2.3	0.7	0.5	0.2	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

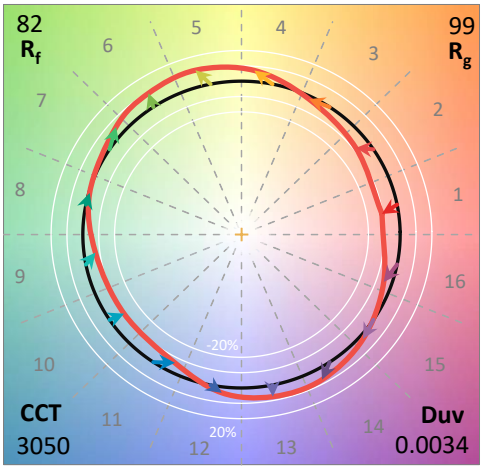
Test Information

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

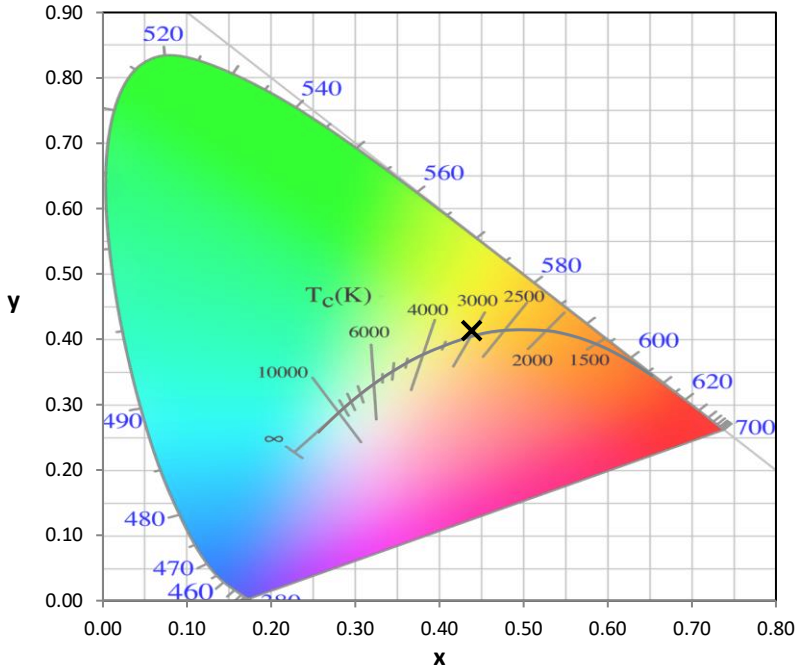
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

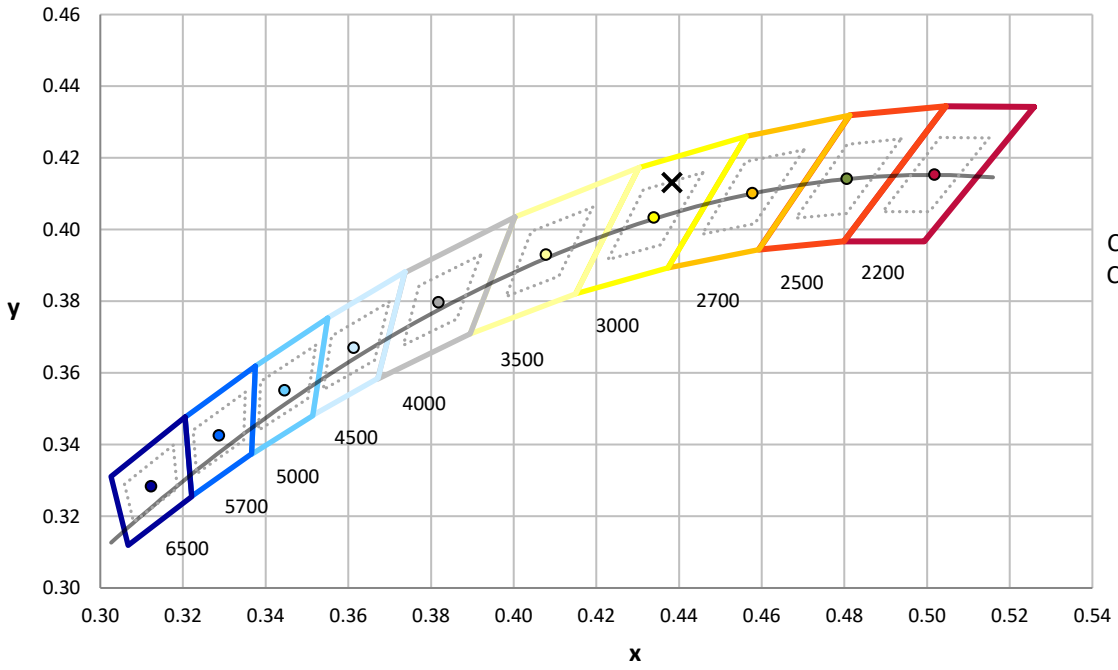
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

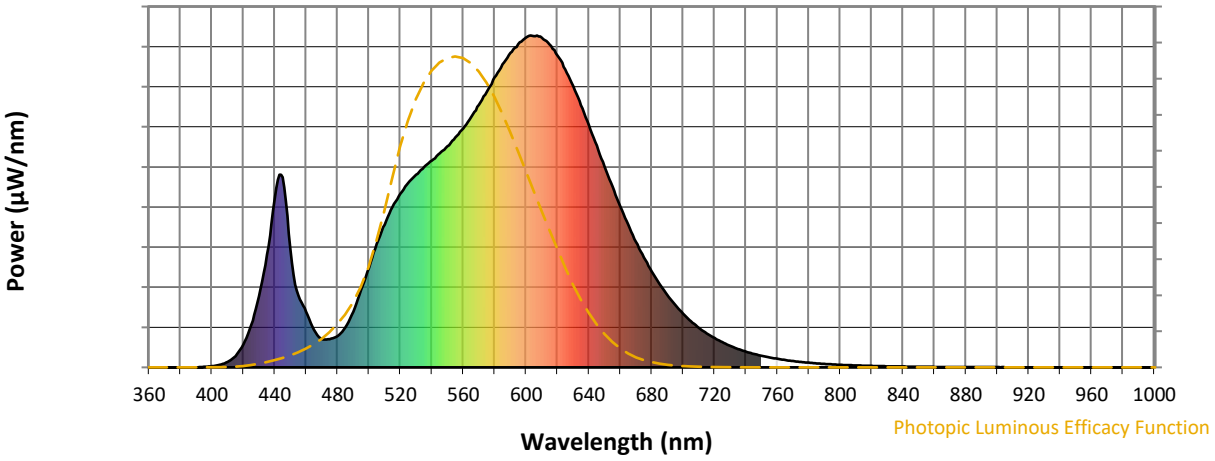


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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			

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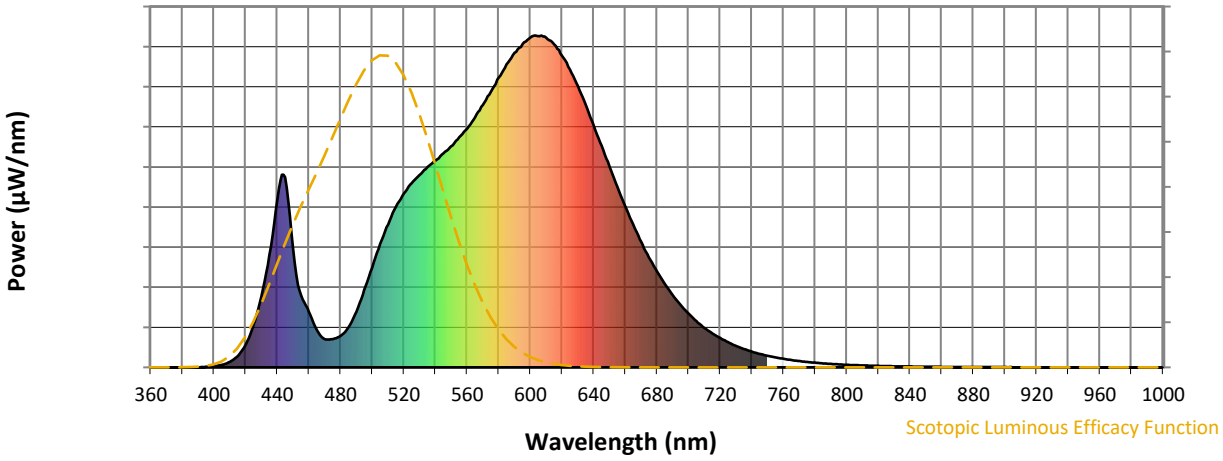
Scotopic Flux vs. Wavelength



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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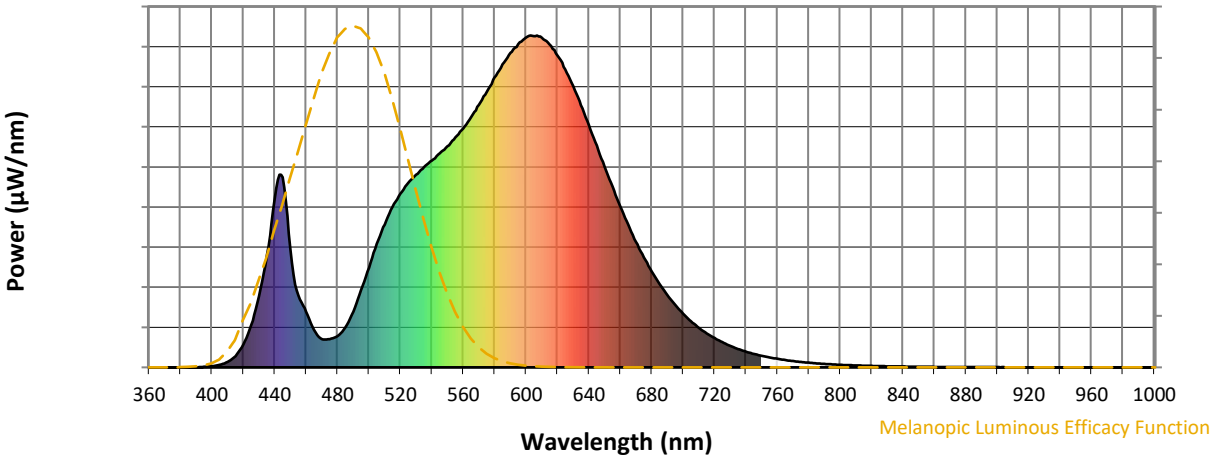
Melanopic Flux vs. Wavelength



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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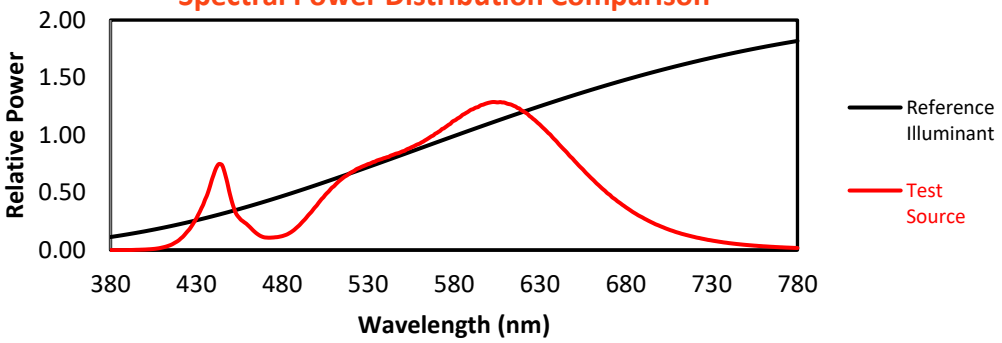
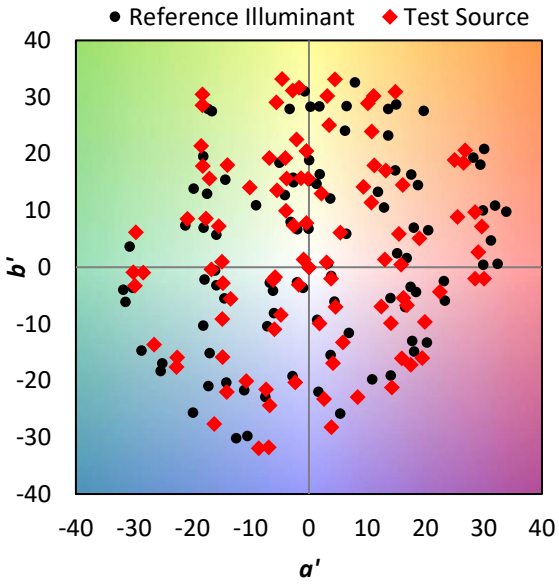
Summary

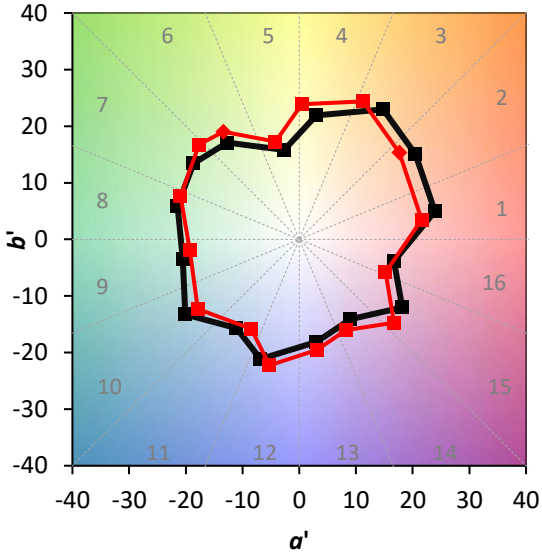
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

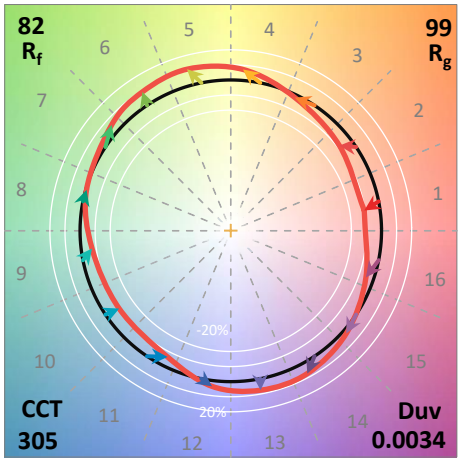
Spectral Power Distribution Comparison

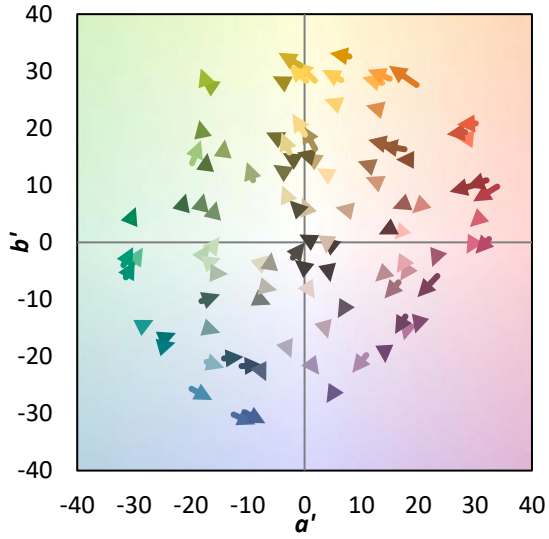


Color Vector Graphics









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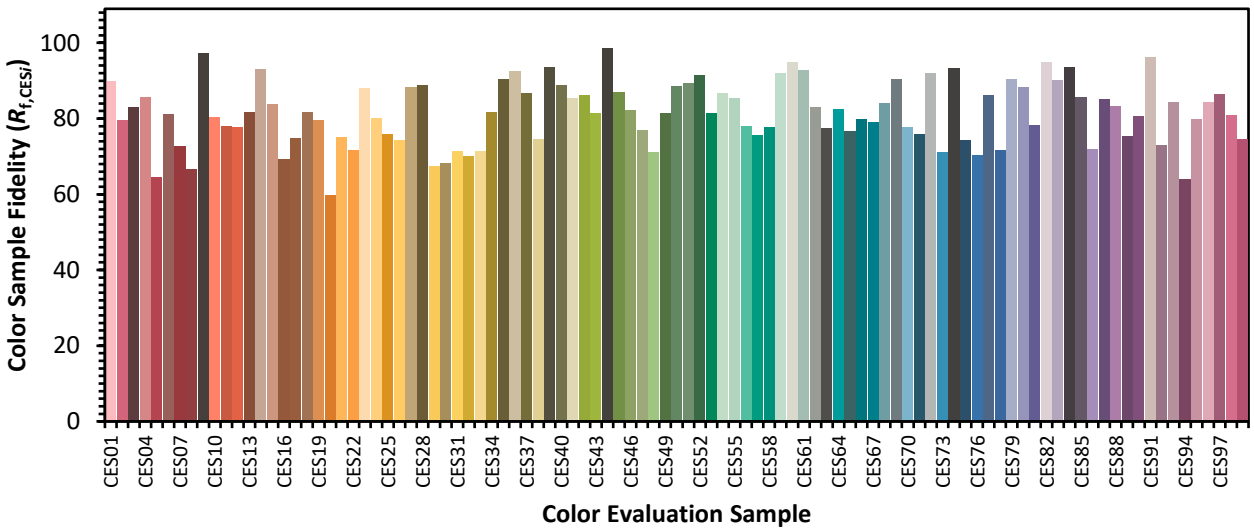
Individual Sample Fidelity Index ($R_{f,i}$)

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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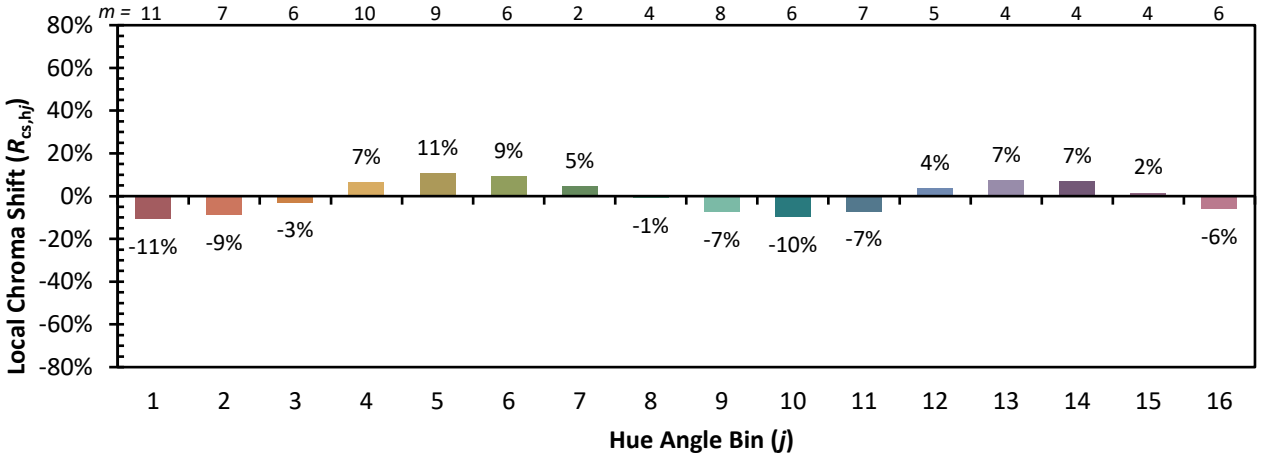
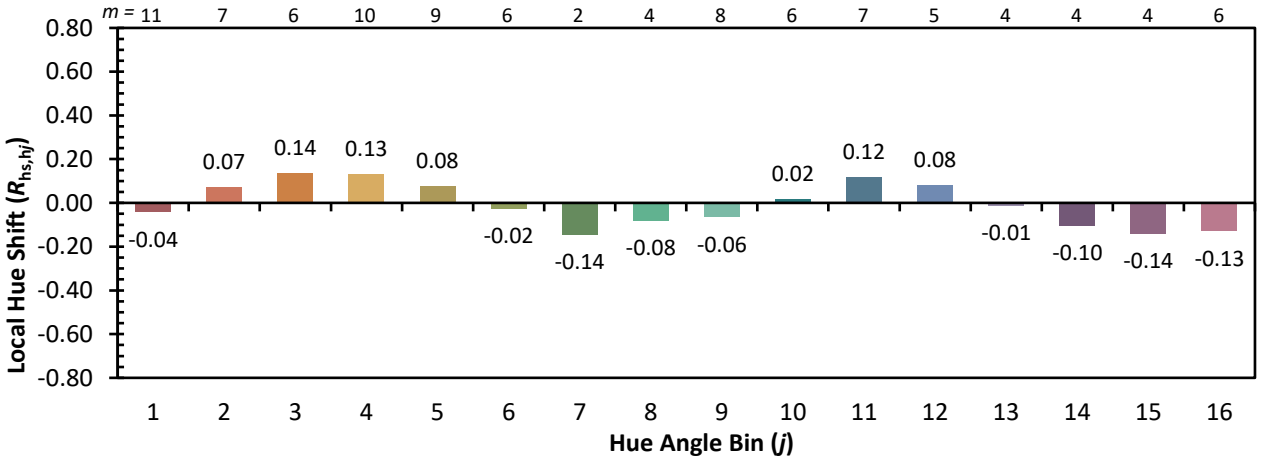
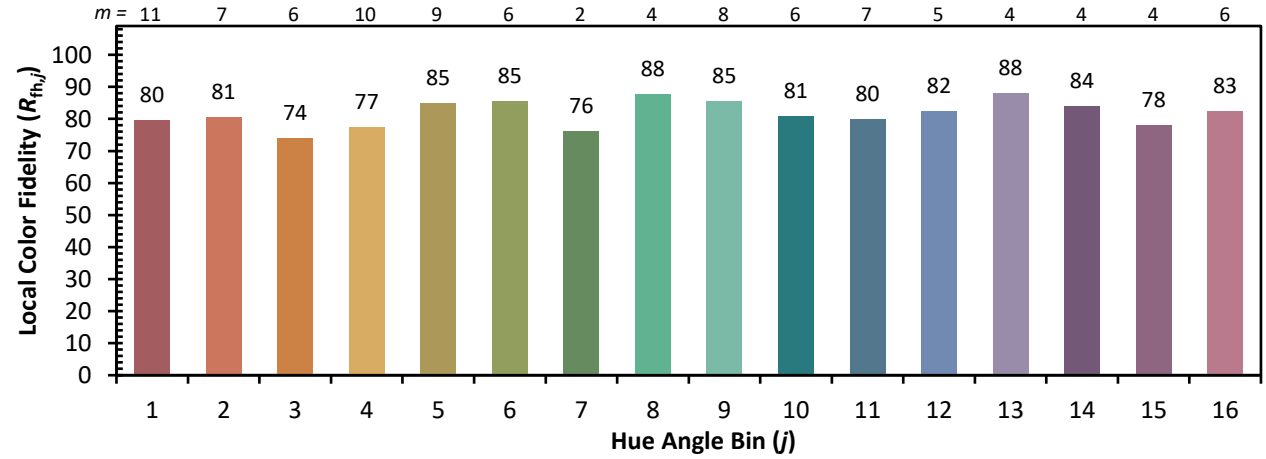
Color Rendition by Hue-Angle Bin







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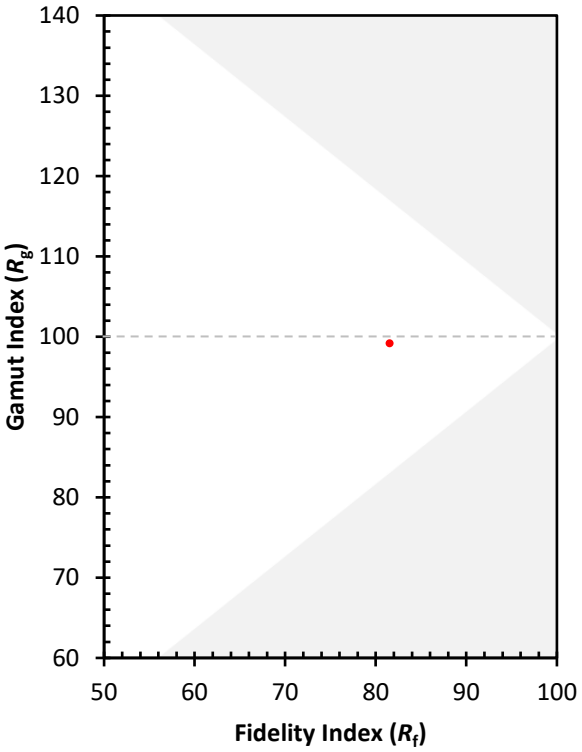
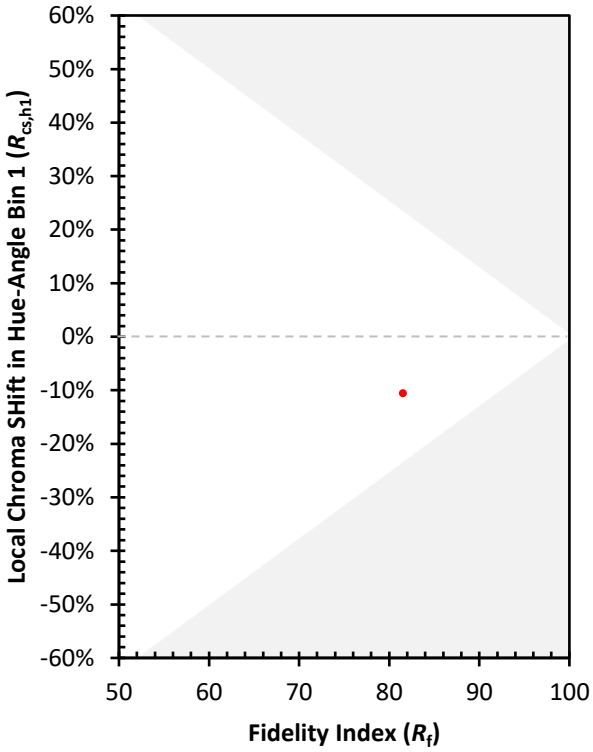
Measure Comparisons





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