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: P318575

Luminaire Tested: **GLEON-SA1D-830-U-T3**

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:	P318575
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
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-T3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6456 lumens
Efficiency:	N/A
Efficacy:	96.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
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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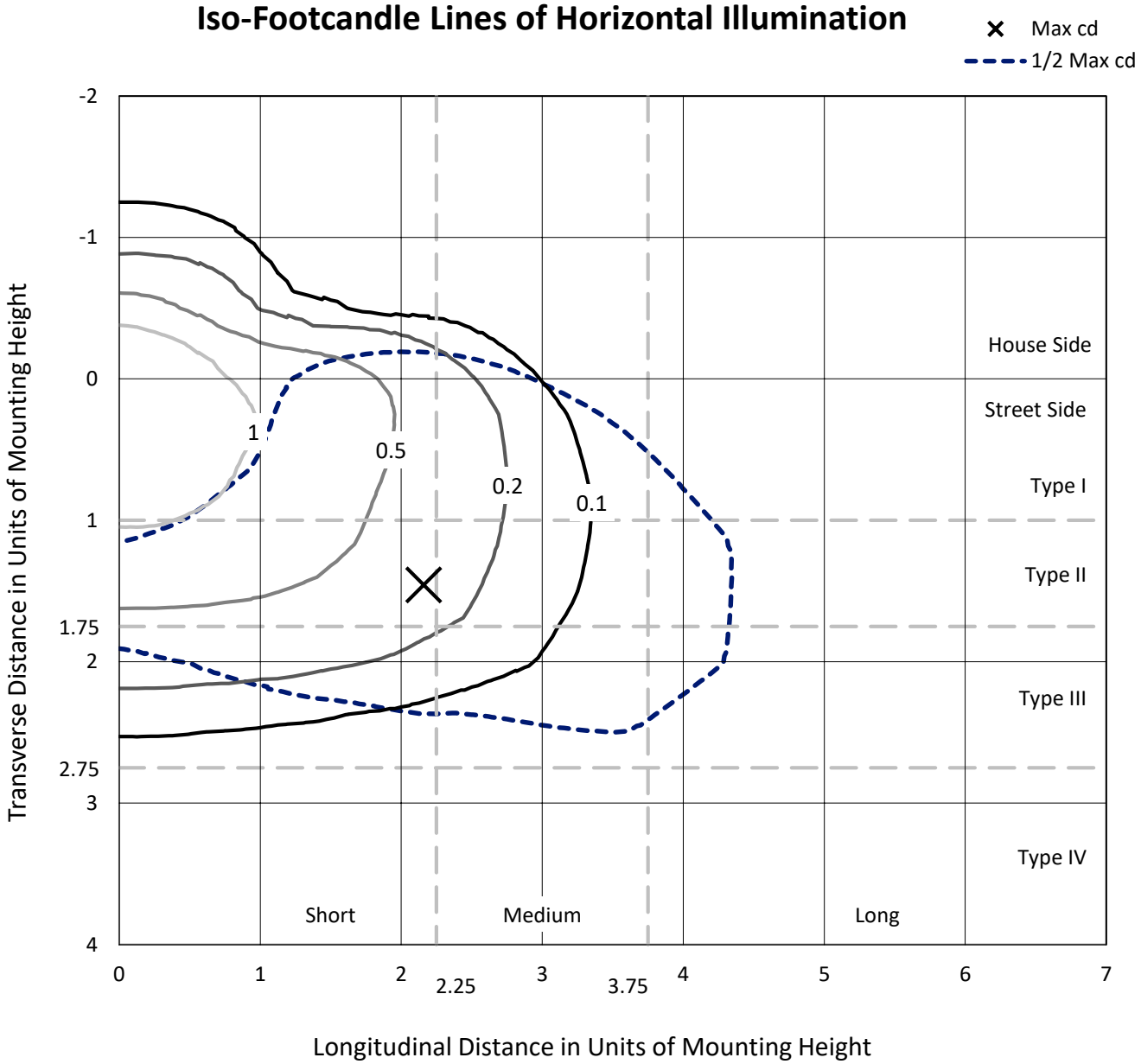
Scaled Data Report

REPORT NUMBER: P318575
CATALOG NUMBER: GLEON-SA1D-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type III - Short - N/A

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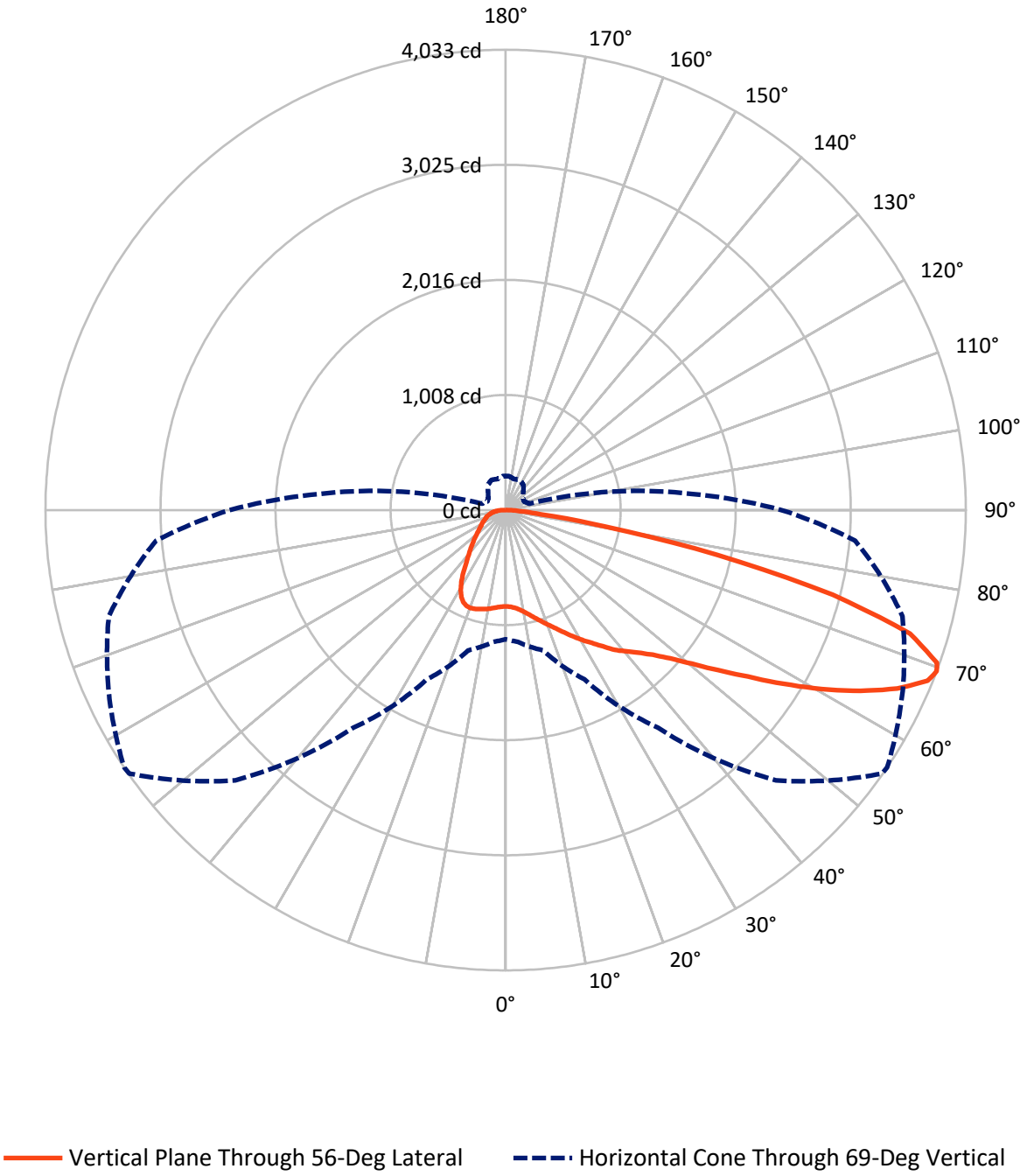
Luminous Intensity Polar Plot



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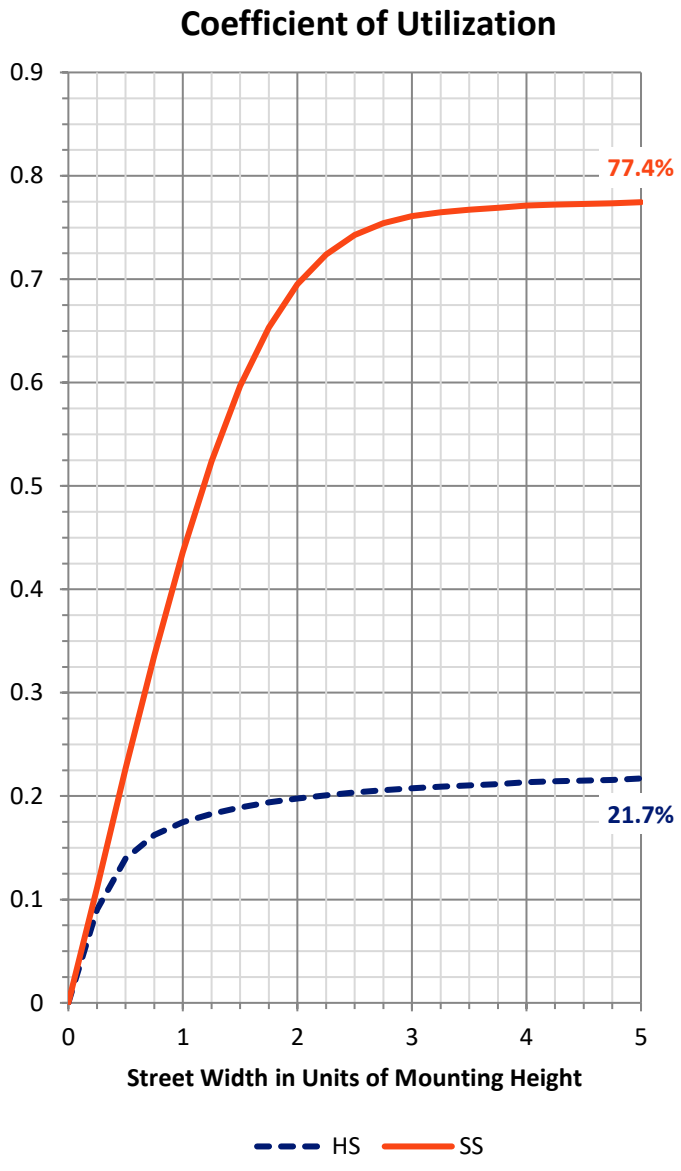
CATALOG NUMBER: GLEON-SA1D-830-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1437.7	0.0	1437.7
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	5018.3	0.0	5018.3
	% Fixture	77.7	0.0	77.7
Total	Lumens	6456.0	0.0	6456.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	1.3
10°-20°	266.6	4.1
20°-30°	465.3	7.2
30°-40°	668.4	10.4
40°-50°	925.0	14.3
50°-60°	1355.3	21.0
60°-70°	1652.4	25.6
70°-80°	913.5	14.2
80°-90°	126.5	2.0
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°	6456.0	100.0
0°-180°	6456.0	100.0



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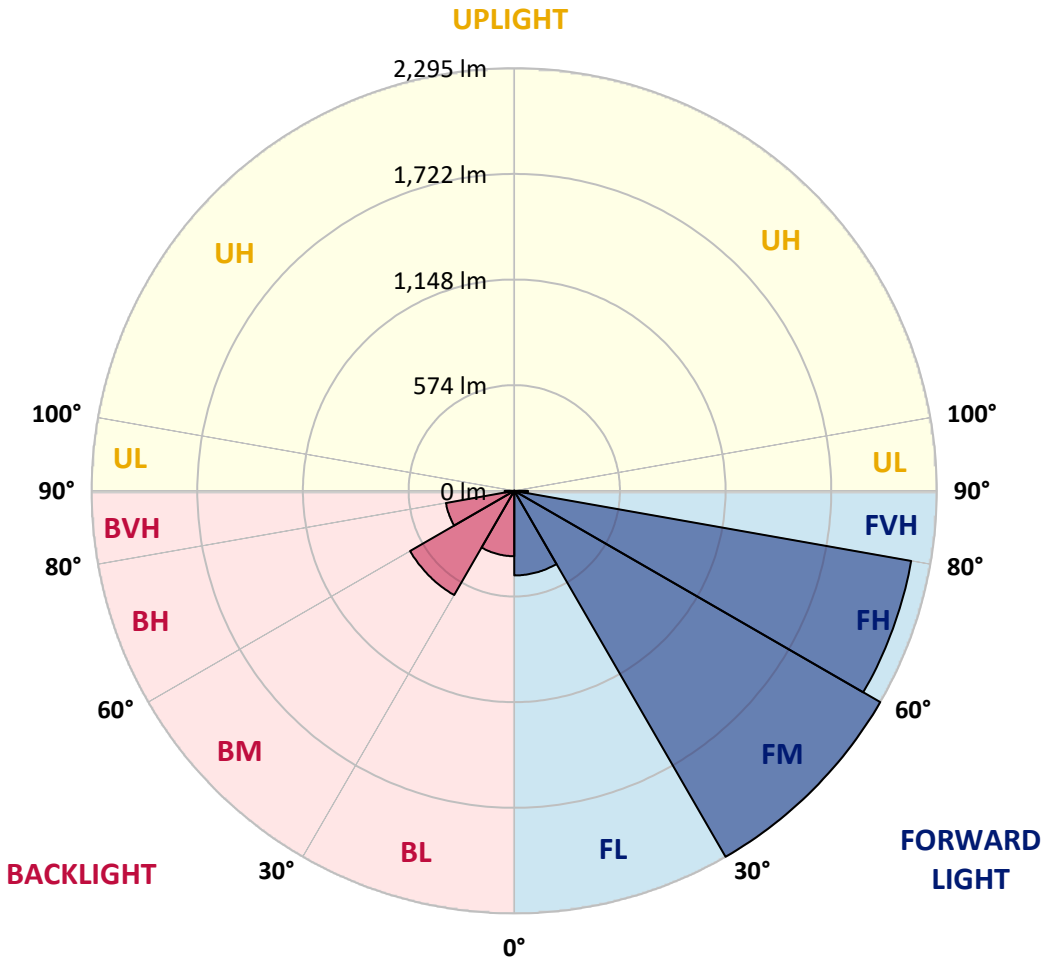
REPORT NUMBER: P318575
CATALOG NUMBER: GLEON-SA1D-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	459.5	7.1			
FM	(30°-60°)	2295.3	35.6			
FH	(60°-80°)	2188.9	33.9			G2/5000
FVH	(80°-90°)	74.5	1.2			G1/100
BL	(0°-30°)	355.3	5.5	B1/500		
BM	(30°-60°)	653.4	10.1	B1/1000		
BH	(60°-80°)	377.0	5.8	B1/500		G1/500
BVH	(80°-90°)	52.0	0.8			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 III Short



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Scaled Data Report

REPORT NUMBER: P318575
CATALOG NUMBER: GLEON-SA1D-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	844.0	844.0	844.0	844.0	844.0	844.0	844.0	*844.0*	844.0	844.0	844.0
2.5°	849.4	850.3	849.6	851.4	849.4	850.7	849.6	*849.6*	848.9	846.9	844.7
5°	862.7	864.5	863.4	865.2	862.7	863.2	861.1	*861.1*	859.1	854.9	850.5
7.5°	883.6	885.6	884.7	886.5	883.2	883.2	880.5	*880.3*	876.3	869.4	864.3
10°	908.5	911.2	910.3	913.0	910.3	911.2	908.5	*908.5*	903.2	893.4	886.9
12.5°	944.8	948.1	945.7	945.4	944.3	946.1	943.9	*943.4*	938.5	925.2	916.3
15°	993.3	996.8	991.7	991.3	985.0	984.4	984.4	*983.7*	980.6	964.6	949.9
17.5°	1049.1	1050.2	1045.7	1038.6	1030.6	1025.5	1024.8	*1026.6*	1026.6	1007.9	984.6
20°	1103.8	1105.8	1102.2	1094.2	1084.0	1076.4	1071.1	*1074.7*	1074.4	1052.2	1019.1
22.5°	1163.4	1168.1	1162.7	1152.5	1140.5	1132.0	1122.7	*1125.8*	1126.0	1098.7	1052.9
25°	1240.6	1236.3	1233.0	1218.6	1201.4	1192.8	1184.1	*1187.2*	1186.3	1148.7	1087.8
27.5°	1308.9	1309.7	1305.3	1289.9	1270.2	1251.0	1250.6	*1252.6*	1249.2	1200.8	1120.7
30°	1388.2	1388.7	1382.5	1368.7	1347.1	1322.4	1316.6	*1320.0*	1312.9	1250.1	1155.4
32.5°	1467.2	1469.4	1462.5	1445.9	1428.5	1398.5	1386.9	*1389.1*	1371.3	1300.6	1191.2
35°	1536.4	1539.5	1537.3	1526.1	1507.2	1481.4	1467.6	*1466.3*	1444.3	1362.4	1238.6
37.5°	1606.9	1609.8	1607.3	1598.0	1590.4	1563.1	1555.7	*1555.7*	1517.5	1425.6	1298.8
40°	1679.4	1683.8	1680.9	1668.0	1661.6	1649.1	1631.6	*1627.3*	1586.0	1501.5	1397.1
42.5°	1746.8	1752.5	1764.1	1756.6	1743.4	1745.2	1709.8	*1707.6*	1677.4	1613.5	1520.6
45°	1842.4	1850.8	1870.4	1864.6	1862.0	1852.2	1810.1	*1808.1*	1796.6	1764.3	1673.8
47.5°	1946.7	1958.3	1993.6	1994.7	2023.4	2005.0	1947.8	*1940.9*	1943.6	1944.9	1860.9
50°	2042.8	2055.5	2113.5	2140.9	2208.5	2212.5	2121.1	*2114.8*	2125.3	2156.0	2078.8
52.5°	2119.5	2135.5	2208.0	2292.5	2408.4	2441.3	2334.4	*2329.7*	2337.5	2390.4	2325.2
55°	2175.8	2193.1	2272.1	2426.0	2611.0	2669.1	2579.9	*2575.4*	2580.3	2647.7	2593.2
57.5°	2188.9	2193.1	2307.7	2515.8	2782.1	2921.5	2880.4	*2871.5*	2847.4	2906.2	2889.0
60°	2127.3	2144.2	2278.3	2547.4	2914.4	3170.4	3194.4	*3183.3*	3115.9	3163.9	3150.1
62.5°	2002.3	2032.6	2168.7	2499.4	2966.2	3373.7	3502.4	*3489.1*	3373.0	3404.1	3337.8
65°	1798.1	1811.0	1954.0	2333.7	2900.4	3503.8	3777.1	*3770.4*	3624.3	3575.6	3372.5
67.5°	1433.0	1457.2	1578.6	1987.4	2631.0	3488.4	3989.5	*3988.8*	3788.4	3639.2	3249.6
69°	*1132.0*	*1157.2*	*1272.8*	*1637.1*	*2328.1*	*3348.1*	*4025.1*	*4032.9*	*3834.7*	*3600.5*	*3073.9*
70°	902.5	931.7	1011.1	1378.9	2059.2	3163.0	3995.5	*4009.5*	3825.8	3536.7	2911.7
72.5°	384.1	407.7	464.2	710.8	1255.0	2361.9	3653.2	*3706.1*	3619.6	3236.9	2406.4
75°	167.7	175.0	200.6	289.8	557.1	1285.5	2861.9	*2959.8*	3095.0	2736.0	1792.6
77.5°	122.8	125.9	139.9	170.1	250.0	485.5	1840.4	*1897.3*	2232.1	1991.0	1099.6
80°	95.0	97.2	108.1	125.0	163.2	196.4	839.4	*888.3*	1255.0	1022.6	457.9
82.5°	75.6	77.2	84.7	92.1	112.8	119.0	278.7	*309.1*	463.3	282.5	121.2
85°	70.3	72.1	74.7	67.2	72.3	69.8	120.5	*126.1*	139.9	111.0	50.7
87.5°	31.8	37.6	74.1	52.3	38.5	30.7	49.4	*51.6*	58.0	58.3	22.5
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: P318575
CATALOG NUMBER: GLEON-SA1D-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	844.0	844.0	844.0	844.0	844.0	844.0	844.0	844.0	844.0	844.0	844.0
2.5°	846.0	845.4	846.5	843.8	847.1	846.9	845.8	846.2	848.5	848.3	848.5
5°	851.1	850.7	852.0	850.0	854.0	855.4	855.6	857.6	860.0	860.7	860.7
7.5°	864.0	864.0	864.7	862.0	864.7	864.5	863.4	865.4	867.8	868.0	867.8
10°	886.3	886.5	885.4	878.5	876.3	870.3	864.7	864.9	868.0	870.5	871.2
12.5°	914.3	913.4	908.5	895.8	886.5	874.3	868.5	868.3	871.4	873.4	874.0
15°	946.3	943.9	931.2	910.5	894.1	882.1	872.7	870.5	868.7	866.5	866.7
17.5°	976.6	971.0	949.9	921.2	903.9	887.8	869.8	855.4	845.4	839.6	837.8
20°	1007.3	996.4	965.9	931.2	909.2	880.1	845.4	816.0	797.8	789.3	787.8
22.5°	1035.3	1017.7	980.8	941.7	905.0	853.8	799.3	756.6	731.3	719.9	720.8
25°	1062.6	1038.2	996.4	949.0	883.6	807.6	735.3	682.8	653.4	640.7	640.3
27.5°	1086.7	1058.9	1013.3	943.0	843.8	741.7	659.4	608.3	583.8	572.9	571.1
30°	1114.2	1084.9	1035.7	920.1	785.5	665.7	585.4	549.3	532.0	521.1	519.1
32.5°	1147.8	1120.3	1054.2	878.5	711.0	586.3	527.5	502.4	486.6	474.4	472.2
35°	1196.8	1167.0	1058.9	818.9	629.2	523.5	485.1	459.3	437.9	422.1	420.6
37.5°	1258.1	1225.4	1048.2	741.7	549.8	482.8	449.7	417.9	390.1	367.9	364.3
40°	1346.7	1297.3	1018.6	652.8	491.3	451.5	415.2	379.0	344.5	318.5	313.4
42.5°	1453.0	1381.6	973.2	564.2	448.4	419.7	381.0	336.1	303.1	284.7	282.0
45°	1588.2	1469.2	910.3	486.8	406.1	387.9	344.1	302.7	282.2	268.7	266.4
47.5°	1742.5	1567.5	844.2	423.9	370.3	358.1	314.5	287.8	271.6	260.9	258.9
50°	1932.2	1678.5	774.2	372.3	334.3	322.3	300.5	279.6	266.7	258.4	256.4
52.5°	2146.2	1803.7	723.7	331.6	304.5	295.8	293.1	275.1	264.7	258.4	256.4
55°	2376.6	1931.1	669.2	297.4	278.7	281.1	288.2	275.6	268.4	260.9	258.0
57.5°	2607.2	2062.8	608.5	268.4	258.2	270.2	284.9	276.4	270.4	263.1	260.4
60°	2789.6	2146.2	514.4	244.2	242.0	258.2	276.9	269.8	262.0	262.2	261.8
62.5°	2874.8	2141.8	410.6	222.6	225.7	242.0	264.0	259.3	252.9	261.5	262.2
65°	2827.0	2035.0	319.6	203.1	208.4	225.1	250.6	254.2	256.4	273.1	275.3
67.5°	2626.4	1827.3	247.5	185.9	192.6	213.5	252.0	276.9	279.8	297.4	297.1
69°	*2418.9*	*1632.4*	*215.1*	*177.0*	*184.8*	*216.4*	*269.3*	*291.3*	*280.5*	*299.1*	*296.5*
70°	2245.0	1478.3	197.7	171.0	181.3	221.5	280.9	291.1	277.1	293.1	288.7
72.5°	1729.0	1063.5	167.7	159.9	169.2	212.0	284.2	284.7	269.3	272.4	264.9
75°	1185.9	672.1	146.3	144.8	151.0	191.0	273.6	272.0	249.1	244.6	238.4
77.5°	653.9	341.4	124.3	130.3	134.6	169.2	248.6	246.4	227.5	218.2	216.0
80°	252.2	149.5	105.0	115.9	118.5	146.6	218.0	216.0	200.2	188.2	184.8
82.5°	95.2	78.3	86.7	100.3	99.4	121.0	184.6	183.5	168.1	150.6	145.2
85°	44.0	46.9	68.7	82.7	76.3	89.6	147.7	149.7	131.0	110.1	110.1
87.5°	18.7	26.2	48.7	62.5	51.4	60.5	108.3	103.4	95.0	65.8	61.8
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

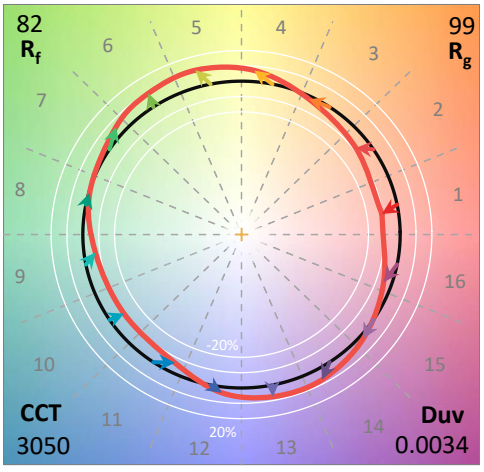
Test Information

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

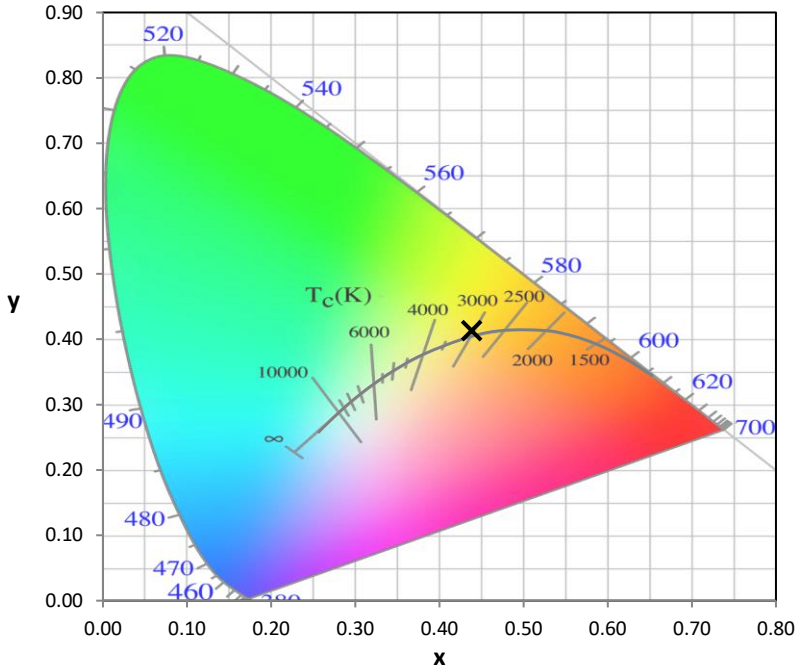
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

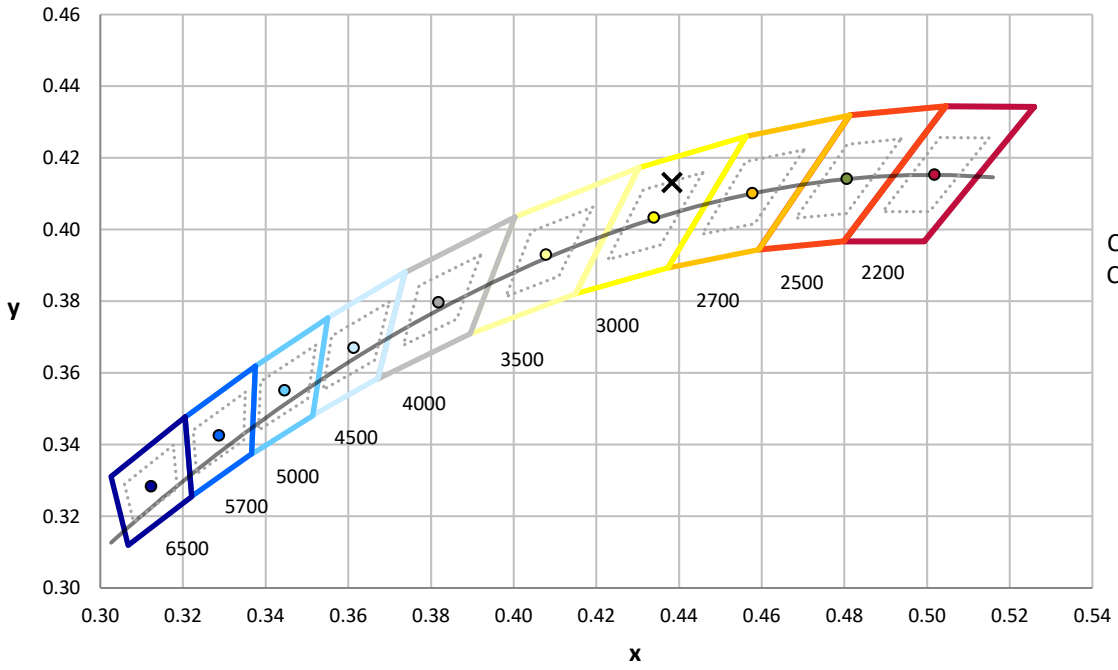
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

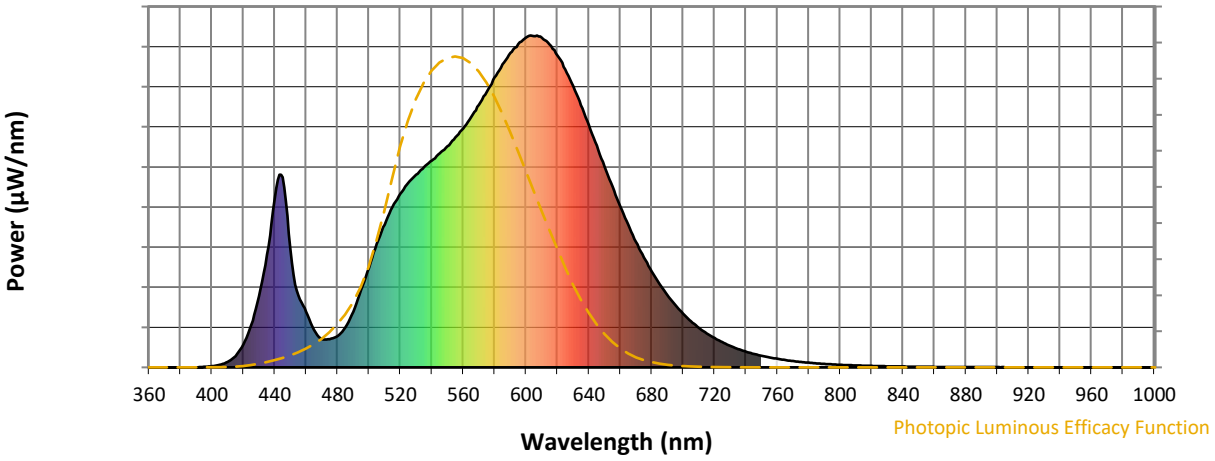


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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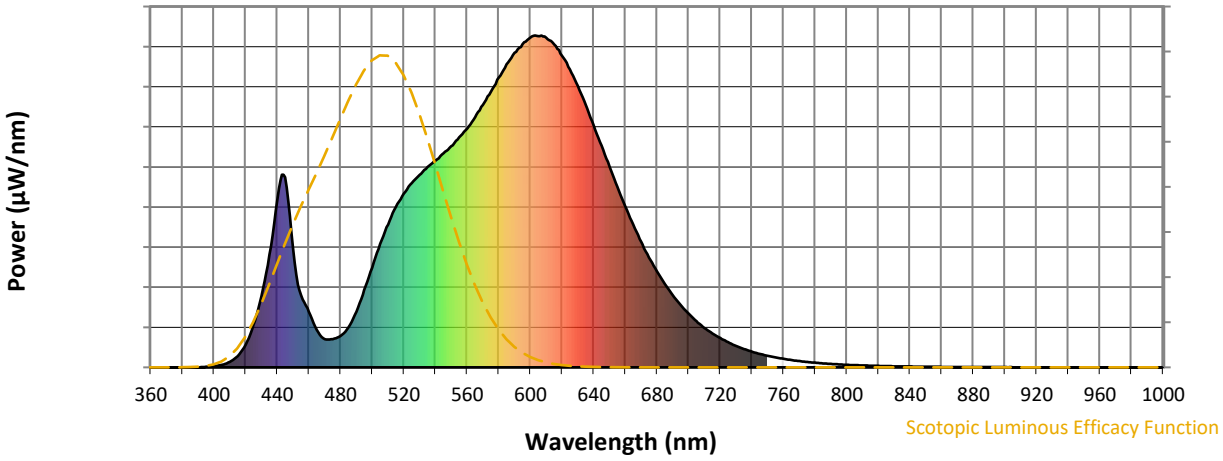
Scotopic Flux vs. Wavelength



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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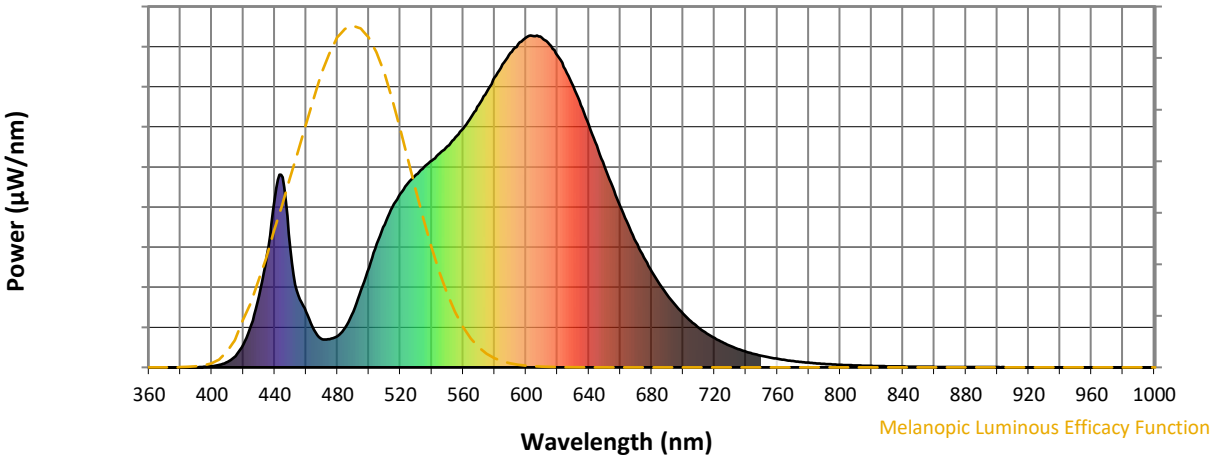
Melanopic Flux vs. Wavelength



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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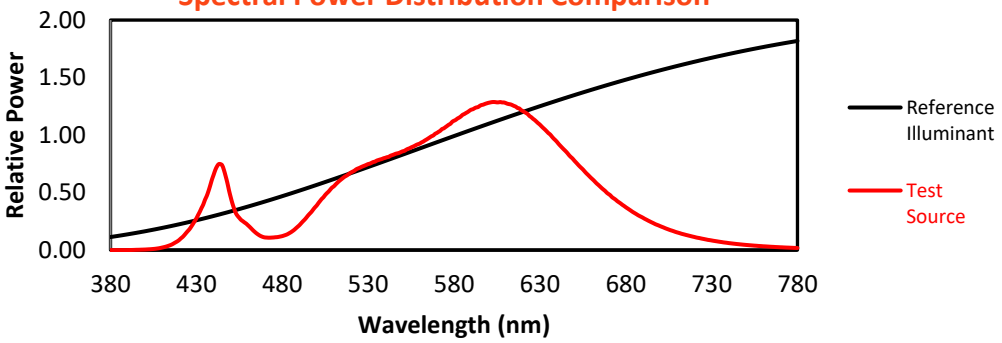
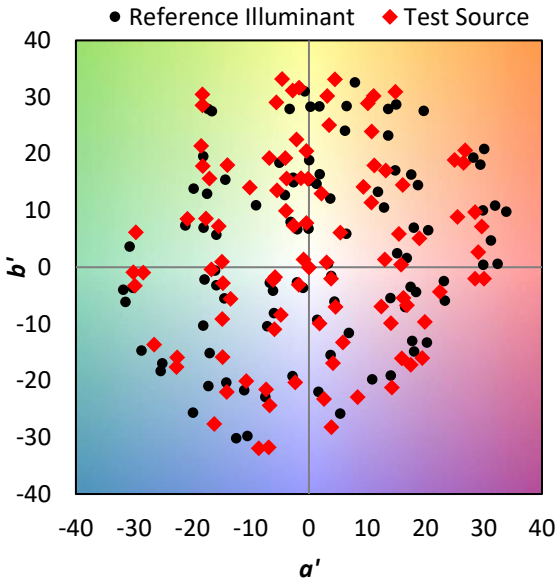
Summary

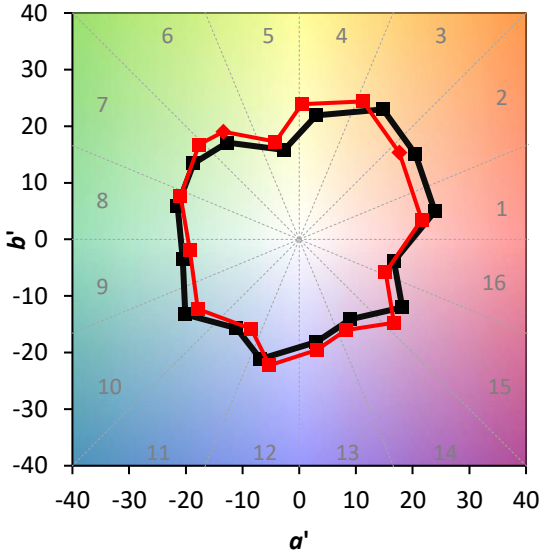
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

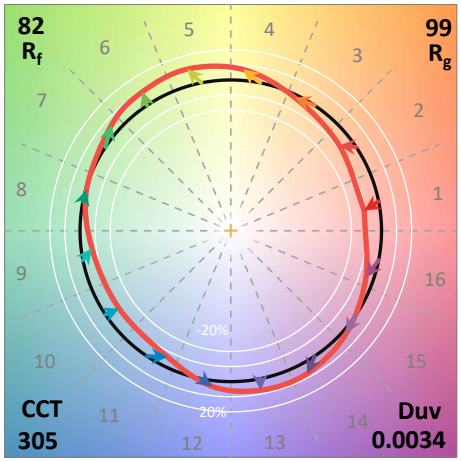
Spectral Power Distribution Comparison

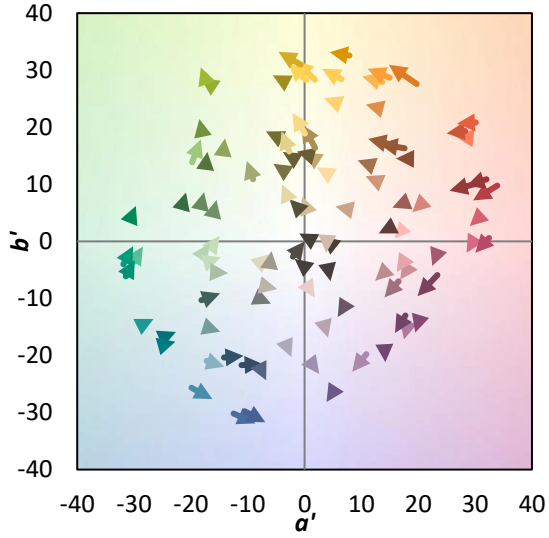


Color Vector Graphics









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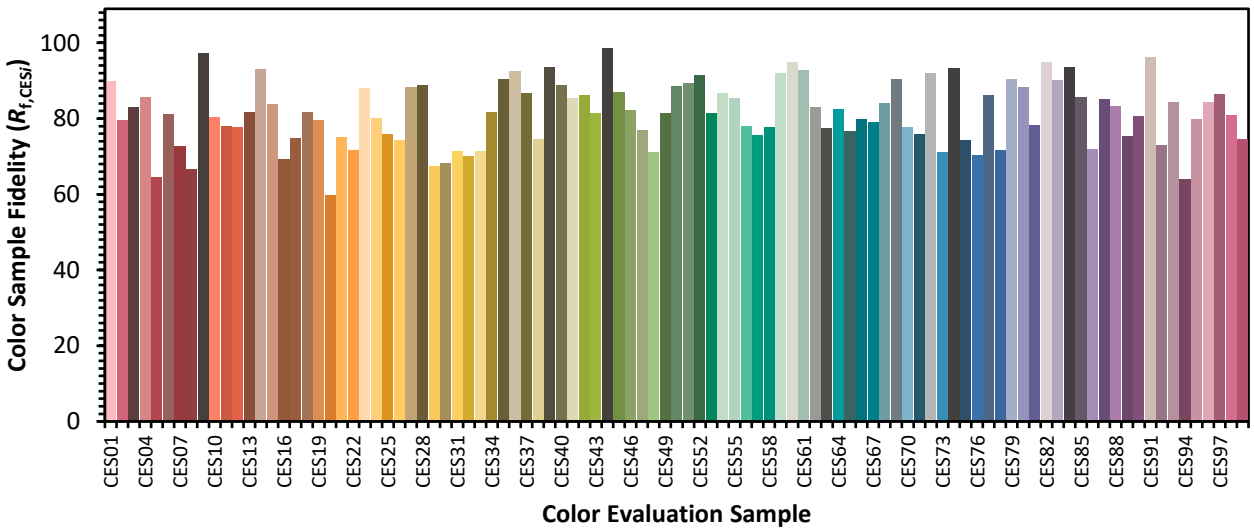
Individual Sample Fidelity Index ($R_{f,i}$)

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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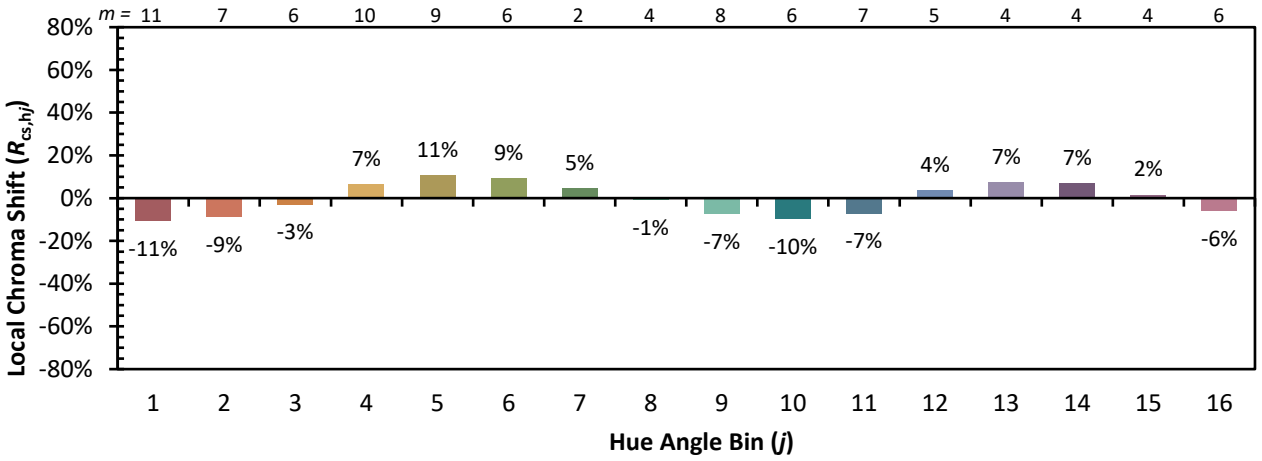
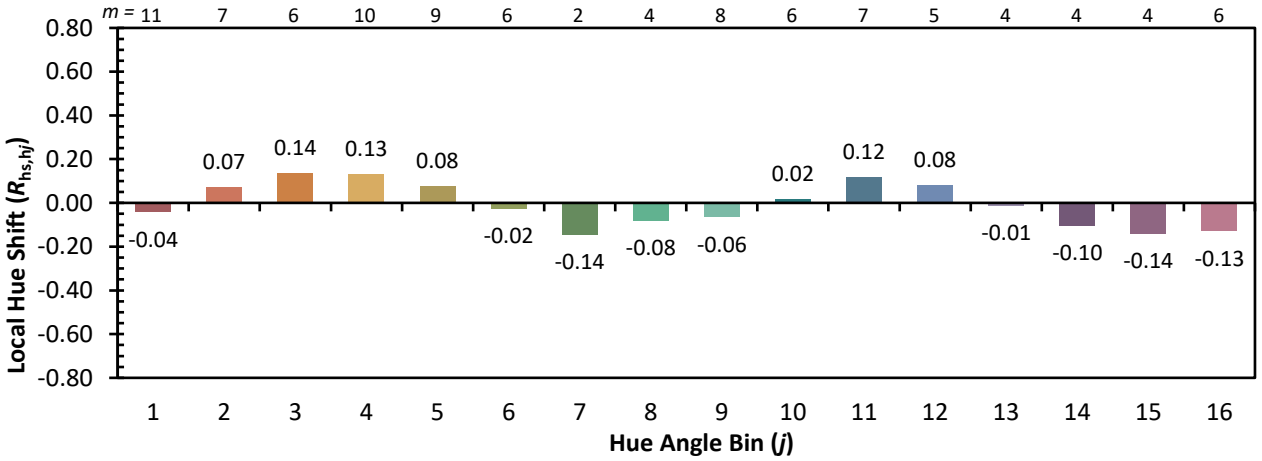
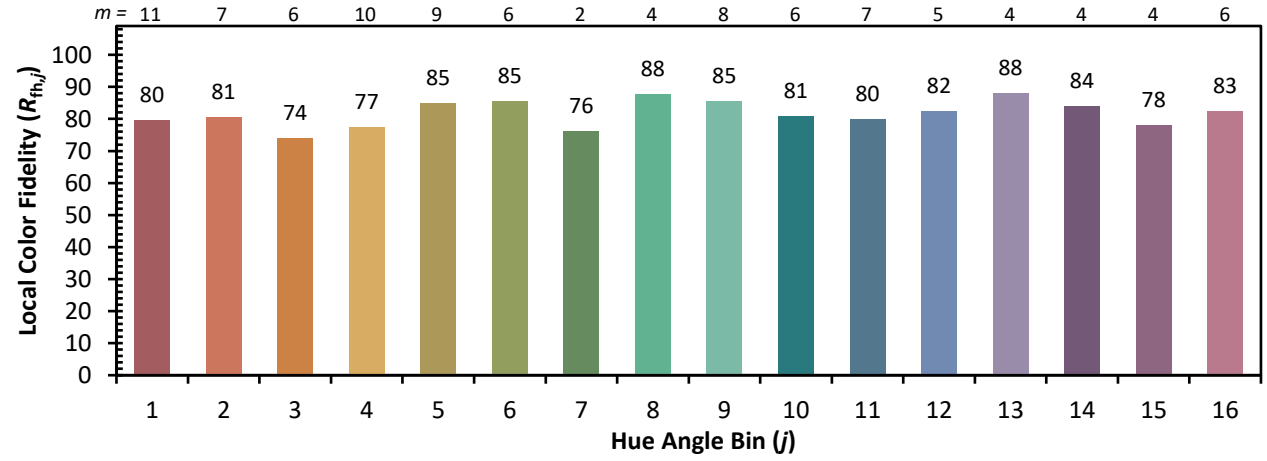
Color Rendition by Hue-Angle Bin







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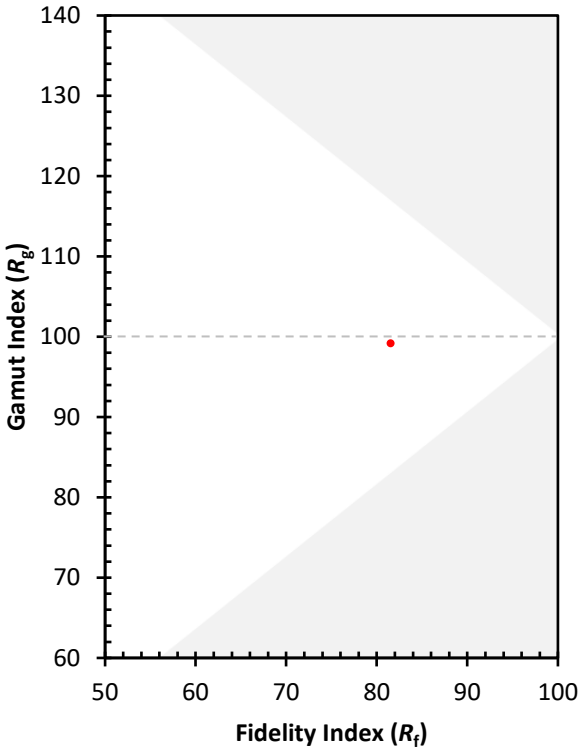
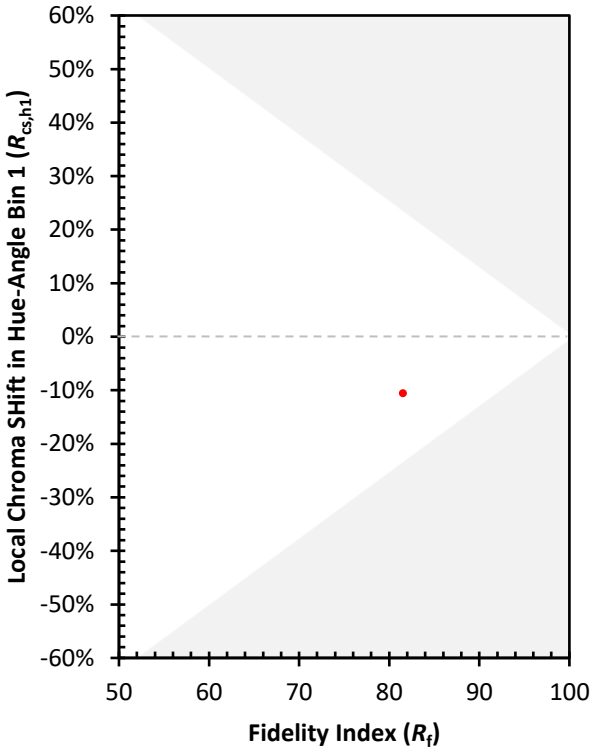
Measure Comparisons





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