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: P323047

Luminaire Tested: **GLEON-SA3C-830-U-T4W-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:	P323047
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3C-830-U-T4W-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12436 lumens
Efficiency:	N/A
Efficacy:	74.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G3

Input Watts (W):	166
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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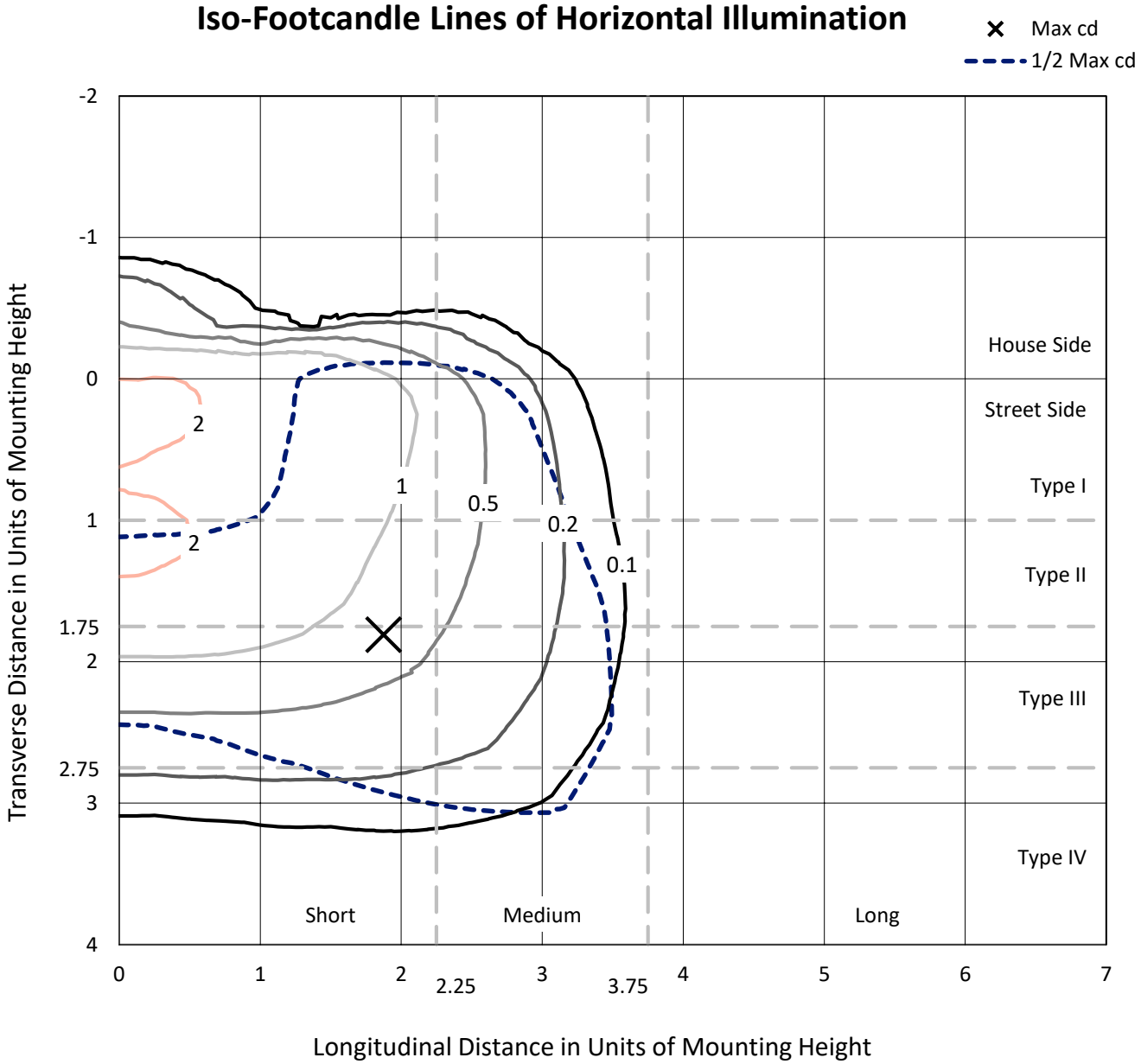
Scaled Data Report

REPORT NUMBER: P323047
CATALOG NUMBER: GLEON-SA3C-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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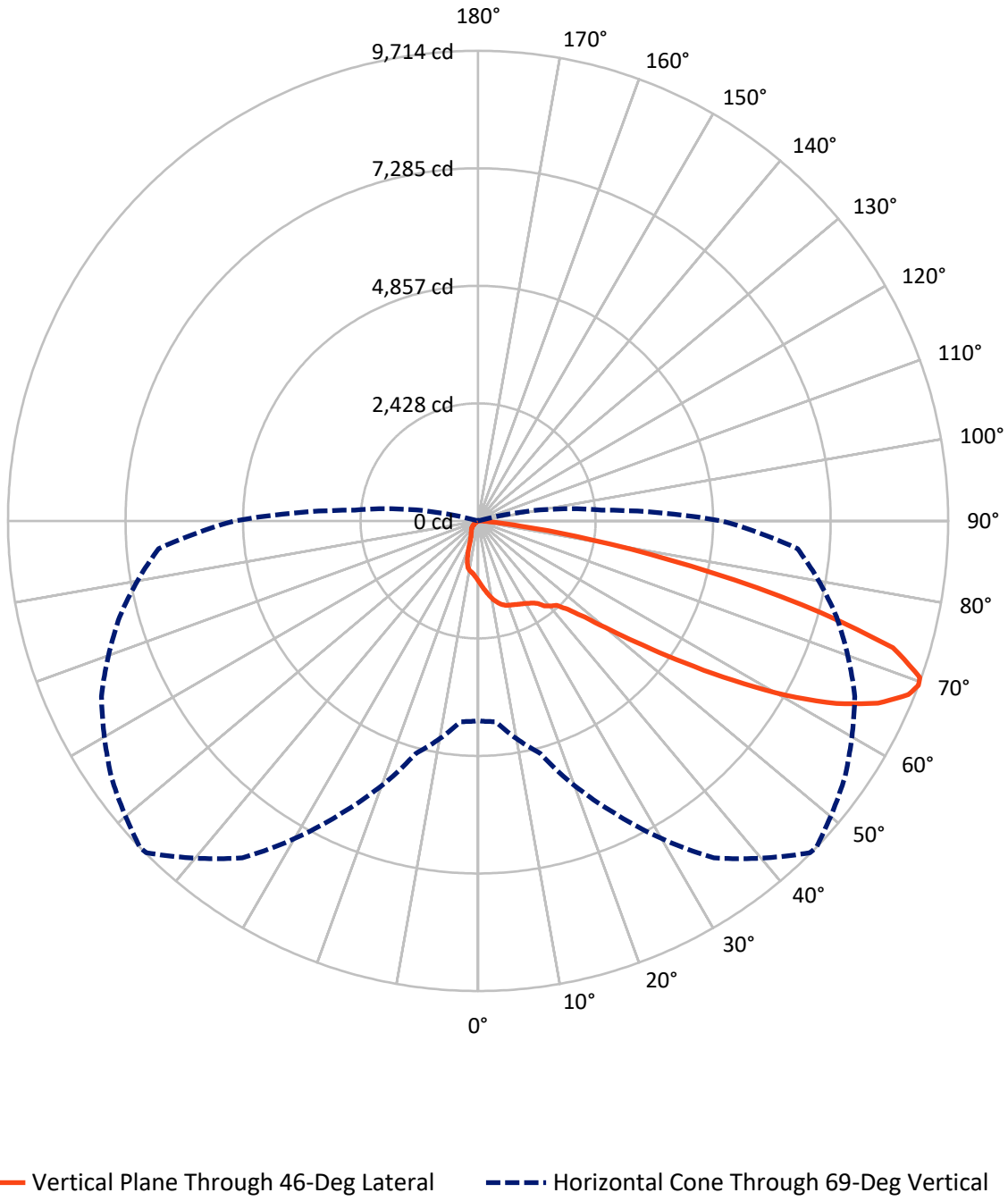
Luminous Intensity Polar Plot



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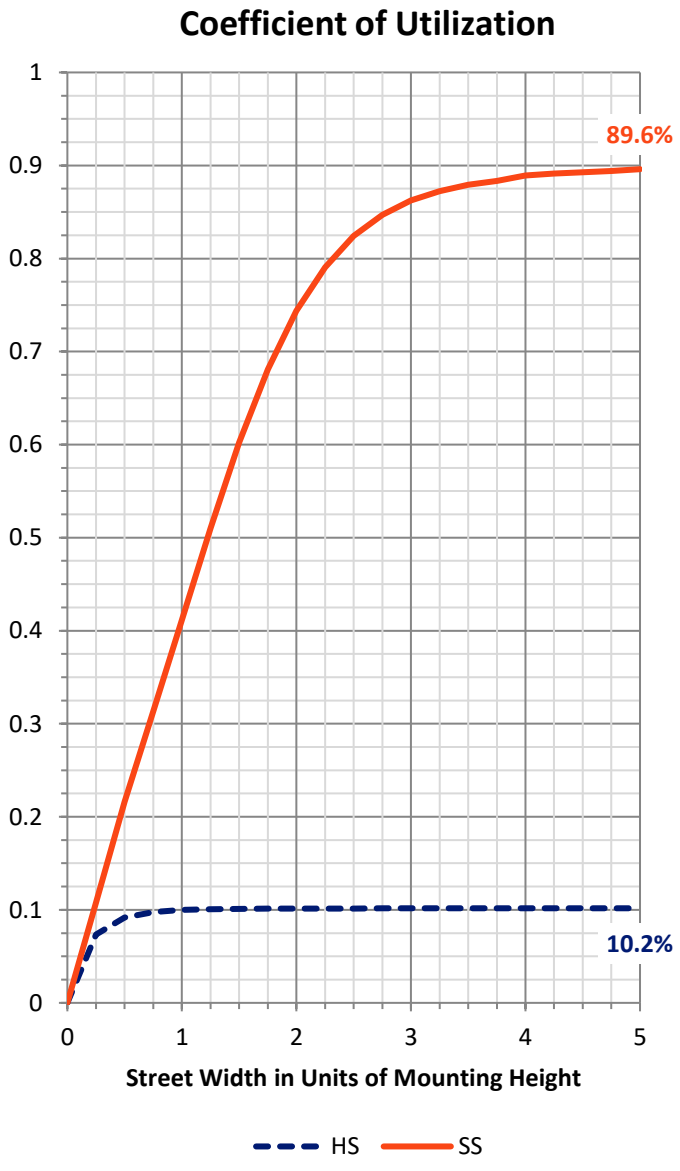
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1276.3	0.0	1276.3
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	11159.7	0.0	11159.7
	% Fixture	89.7	0.0	89.7
Total	Lumens	12436.0	0.0	12436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	1.0
10°-20°	376.3	3.0
20°-30°	591.7	4.8
30°-40°	848.5	6.8
40°-50°	1466.6	11.8
50°-60°	2897.4	23.3
60°-70°	4049.4	32.6
70°-80°	1956.3	15.7
80°-90°	125.7	1.0
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°	12436.0	100.0
0°-180°	12436.0	100.0



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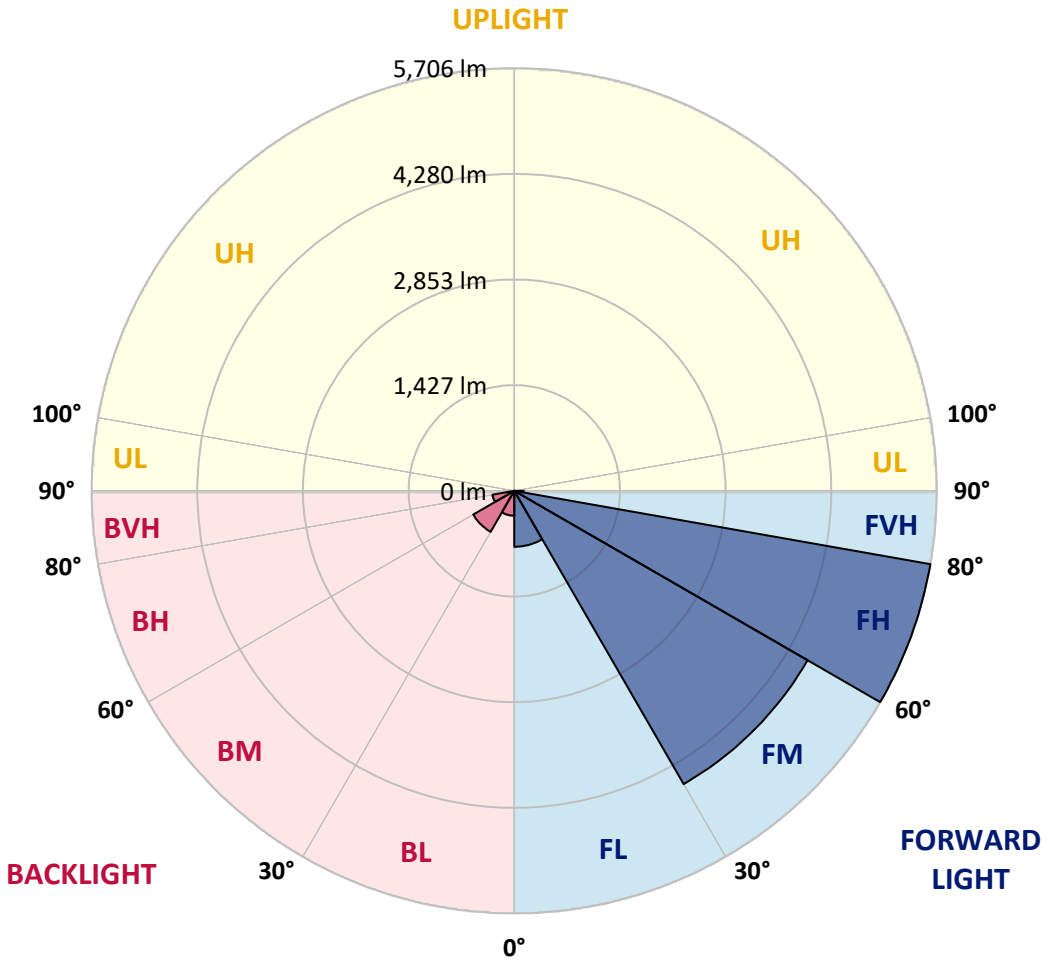
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	755.6	6.1			
FM	(30°-60°)	4573.0	36.8			
FH	(60°-80°)	5706.4	45.9			G3/7500
FVH	(80°-90°)	124.7	1.0			G2/225
BL	(0°-30°)	336.4	2.7	B1/500		
BM	(30°-60°)	639.6	5.1	B1/1000		
BH	(60°-80°)	299.3	2.4	B1/500		G1/500
BVH	(80°-90°)	1.1	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-G3
Type IV Short



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REPORT NUMBER: P323047
CATALOG NUMBER: GLEON-SA3C-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	*1246.0*	1246.0	1246.0	1246.0	1246.0
2.5°	1384.2	1382.5	1374.3	1370.8	1351.0	1339.3	*1334.7*	1320.1	1299.1	1278.1	1254.8
5°	1541.7	1541.1	1525.9	1511.3	1474.0	1439.0	*1432.6*	1398.8	1351.6	1307.3	1263.0
7.5°	1702.6	1695.0	1679.9	1651.9	1597.6	1541.7	*1536.4*	1488.6	1421.5	1357.4	1293.9
10°	1839.0	1834.4	1814.5	1772.0	1708.4	1644.9	*1638.5*	1579.6	1503.8	1425.0	1344.0
12.5°	1945.2	1941.7	1915.4	1862.4	1794.7	1728.8	*1720.1*	1667.6	1586.6	1498.5	1402.9
15°	2009.9	2008.1	1976.1	1919.5	1853.0	1795.9	*1788.3*	1742.2	1667.0	1574.9	1467.0
17.5°	2025.0	2025.6	1992.4	1935.2	1880.4	1839.6	*1833.8*	1798.8	1735.8	1644.3	1531.2
20°	1991.2	1998.2	1968.5	1918.9	1885.1	1863.5	*1858.9*	1837.9	1784.8	1698.5	1582.5
22.5°	1943.4	1946.9	1926.5	1893.3	1879.3	1883.3	*1881.0*	1869.4	1824.5	1745.2	1633.2
25°	1914.2	1914.2	1902.0	1874.0	1883.3	1908.4	*1909.0*	1906.7	1871.1	1802.3	1695.0
27.5°	1913.1	1909.6	1895.6	1874.6	1900.3	1938.7	*1941.1*	1956.8	1934.7	1871.7	1772.0
30°	1959.7	1955.6	1925.9	1898.5	1931.2	1972.6	*1978.4*	2012.8	2001.7	1946.9	1857.7
32.5°	2068.8	2054.2	1988.3	1943.4	1967.9	2017.5	*2025.0*	2079.8	2097.3	2039.6	1940.5
35°	2218.0	2172.0	2076.9	2028.5	2030.9	2082.8	*2089.8*	2170.2	2222.1	2124.7	2004.6
37.5°	2423.9	2401.1	2246.6	2117.2	2127.7	2206.4	*2226.8*	2314.2	2299.7	2171.4	2077.5
40°	2875.2	2839.6	2675.2	2365.6	2220.4	2306.7	*2313.1*	2359.7	2360.9	2276.9	2229.1
42.5°	3489.7	3475.2	3302.0	2816.3	2402.9	2373.7	*2385.4*	2464.1	2552.1	2499.7	2497.3
45°	4170.2	4162.6	3978.9	3414.5	2772.0	2593.5	*2608.1*	2713.7	2882.2	2893.8	2967.9
47.5°	4717.7	4714.2	4608.7	4082.1	3337.0	2966.1	*2970.8*	3082.7	3378.9	3525.3	3643.7
50°	5216.8	5233.7	5150.3	4804.6	4106.6	3549.8	*3538.7*	3613.3	4089.1	4328.8	4475.7
52.5°	5910.7	5934.6	5700.8	5478.6	4914.2	4274.0	*4265.2*	4343.4	4942.8	5122.4	5148.6
55°	6523.5	6482.7	6297.8	6233.7	5899.0	5168.4	*5166.1*	5234.9	5768.4	5844.8	5893.2
57.5°	6794.0	6778.3	6867.5	7014.4	6930.5	6225.5	*6220.3*	6167.8	6507.2	6515.3	6664.0
60°	6964.9	6984.1	7257.6	7710.6	7920.0	7363.1	*7329.3*	7009.2	7212.7	7194.6	7353.8
62.5°	6836.6	6874.5	7366.6	8121.7	8660.5	8356.1	*8308.3*	7780.0	7815.6	7753.2	7901.3
65°	6155.6	6214.5	7020.9	8044.2	9027.8	9132.2	*9083.8*	8460.5	8294.3	8191.7	8109.5
67.5°	4998.2	5033.1	5875.1	7369.5	8862.2	9595.2	*9585.2*	9057.0	8655.8	8117.6	7479.7
69°	*4130.5*	*4164.9*	*4975.4*	*6659.4*	*8497.8*	*9694.3*	*9713.5*	*9248.2*	*8587.0*	*7667.5*	*6627.3*
70°	3498.5	3535.2	4290.3	6050.6	8075.1	9648.2	*9682.6*	9230.1	8389.9	7146.2	5879.2
72.5°	1835.0	1866.4	2641.3	4168.4	6583.0	8859.3	*8963.7*	8450.0	7111.8	5190.0	3476.3
75°	576.7	594.7	1031.5	2179.0	4507.2	6888.5	*6912.4*	6628.4	5050.1	2854.8	1447.8
77.5°	219.8	214.6	343.4	802.9	2278.7	4337.5	*4483.9*	4142.2	2650.1	1009.3	334.1
80°	118.4	118.9	178.4	332.4	974.9	2229.1	*2352.7*	2007.5	941.7	314.9	77.0
82.5°	51.3	53.6	100.3	176.1	447.8	822.1	*883.9*	735.8	359.8	211.7	28.6
85°	11.1	12.2	48.4	95.6	182.5	230.9	*242.0*	238.5	229.2	164.4	11.1
87.5°	0.0	0.0	21.6	34.4	46.1	52.5	*46.1*	60.1	126.5	110.8	5.8
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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REPORT NUMBER: P323047
CATALOG NUMBER: GLEON-SA3C-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0
2.5°	1247.2	1236.7	1218.6	1198.8	1184.8	1170.2	1158.6	1153.3	1147.5	1143.4	1148.7
5°	1244.9	1224.5	1189.5	1155.7	1131.2	1111.3	1095.0	1088.6	1082.2	1077.5	1076.9
7.5°	1265.3	1236.7	1183.1	1133.5	1095.6	1068.8	1046.6	1037.3	1029.7	1026.2	1023.3
10°	1304.3	1267.6	1195.9	1131.2	1082.2	1036.7	988.9	952.2	928.3	917.2	913.1
12.5°	1355.1	1309.0	1220.4	1143.4	1072.3	984.8	883.4	795.9	739.3	720.7	709.6
15°	1414.6	1357.4	1252.5	1159.2	1036.1	876.4	704.4	590.1	537.6	527.1	515.4
17.5°	1471.7	1408.7	1290.9	1162.1	956.8	700.3	516.0	438.5	418.1	425.1	426.8
20°	1521.8	1459.4	1328.8	1136.4	812.8	525.4	399.4	380.2	387.7	401.2	403.5
22.5°	1572.6	1508.4	1363.8	1068.8	628.6	398.8	359.8	364.4	372.0	385.4	387.7
25°	1634.4	1567.9	1396.5	944.6	471.7	339.4	341.7	348.7	356.3	368.5	369.7
27.5°	1705.5	1643.1	1418.0	783.1	349.8	311.9	319.5	330.0	337.6	349.3	351.6
30°	1800.0	1742.2	1425.0	615.7	293.3	287.5	291.0	303.8	314.9	325.4	327.1
32.5°	1888.6	1840.2	1401.7	464.7	271.7	264.7	264.7	272.3	285.1	295.0	297.4
35°	1970.2	1938.7	1327.1	339.9	255.4	243.7	237.9	237.9	246.1	254.2	256.6
37.5°	2078.1	2076.9	1206.4	271.1	239.6	226.2	214.0	204.7	201.7	203.5	204.7
40°	2262.9	2264.7	1049.0	243.1	226.2	208.2	189.5	172.6	156.8	151.6	151.0
42.5°	2551.6	2525.3	883.9	229.7	214.6	189.5	161.5	138.8	114.3	106.7	106.1
45°	3009.9	2854.2	709.0	217.5	202.3	168.5	133.5	102.6	82.8	77.0	77.0
47.5°	3677.5	3286.2	549.3	204.1	186.0	144.6	100.9	74.1	60.6	57.7	58.3
50°	4367.8	3709.6	421.0	187.2	166.2	119.5	74.6	53.6	46.1	46.1	46.6
52.5°	4980.1	4019.7	328.3	169.1	141.7	93.9	56.6	42.0	38.5	37.9	38.5
55°	5553.2	4219.7	251.3	148.1	112.5	70.0	43.1	34.4	32.1	30.9	30.3
57.5°	6106.0	4318.9	188.3	119.5	81.6	50.7	34.4	29.2	26.8	25.1	24.5
60°	6473.9	4238.4	129.4	88.0	56.6	36.7	28.6	25.1	22.2	20.4	19.8
62.5°	6681.5	4018.6	83.4	63.6	40.2	27.4	22.7	21.0	16.9	15.2	15.2
65°	6597.5	3655.9	58.3	45.5	29.2	20.4	16.9	16.9	12.2	9.9	9.3
67.5°	5846.5	3088.6	44.3	33.8	21.0	15.2	12.8	14.6	7.6	4.7	4.7
69°	*5030.2*	*2559.7*	*37.9*	*28.0*	*17.5*	*12.2*	*11.1*	*13.4*	*5.2*	*3.5*	*2.9*
70°	4371.9	2208.1	34.4	24.5	14.6	10.5	9.9	12.8	5.2	2.9	2.3
72.5°	2615.7	1231.5	26.2	17.5	9.3	8.2	8.2	14.6	5.2	2.9	2.3
75°	1057.1	433.8	19.2	12.2	7.0	7.0	9.9	18.7	4.7	2.3	1.7
77.5°	239.6	95.0	11.1	7.6	4.7	7.0	11.7	14.6	2.9	1.2	0.0
80°	58.3	23.3	7.0	4.7	2.9	5.2	8.7	8.2	0.6	0.0	0.0
82.5°	19.2	8.2	2.9	2.3	0.6	1.7	4.1	2.3	0.0	0.0	0.0
85°	8.2	4.7	1.2	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0
87.5°	5.2	1.7	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

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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

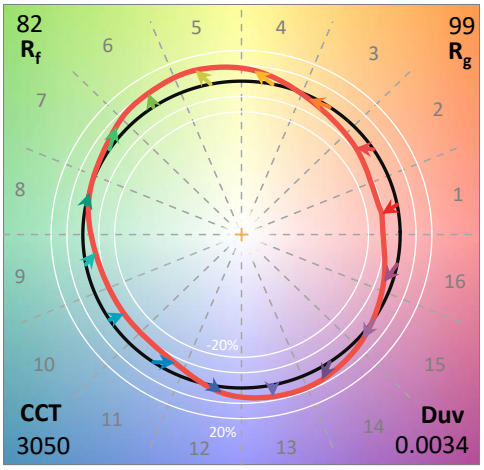
Test Information

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

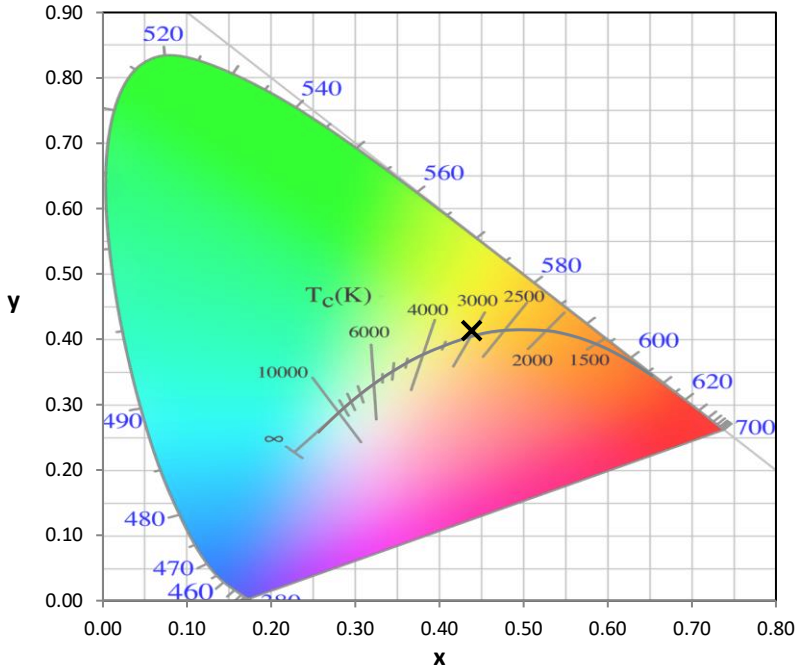
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

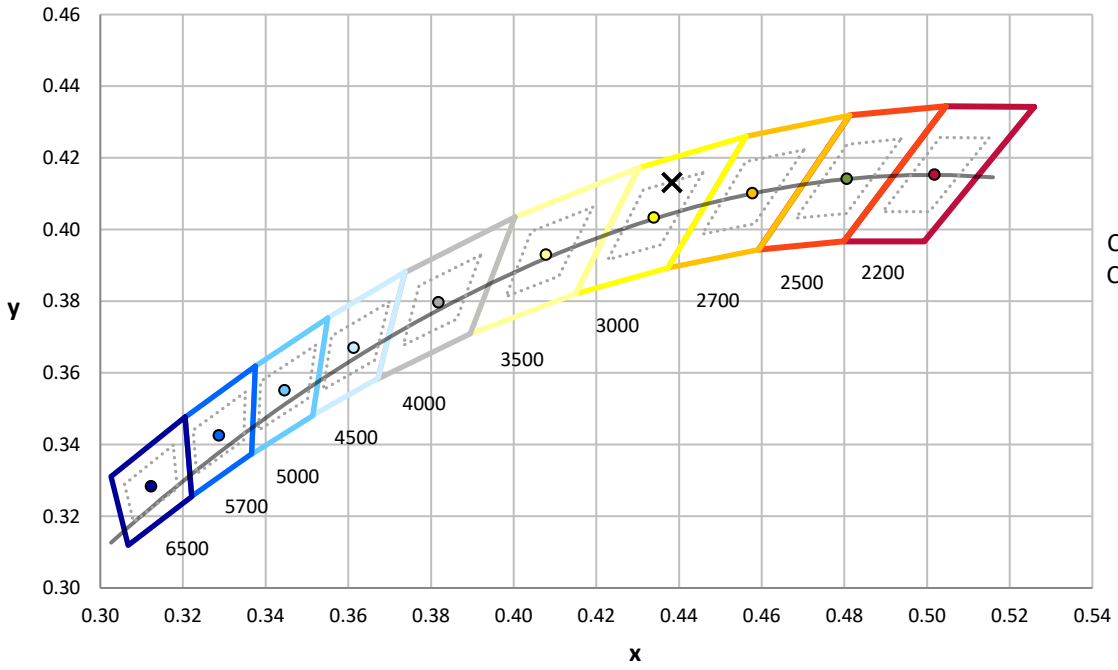
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

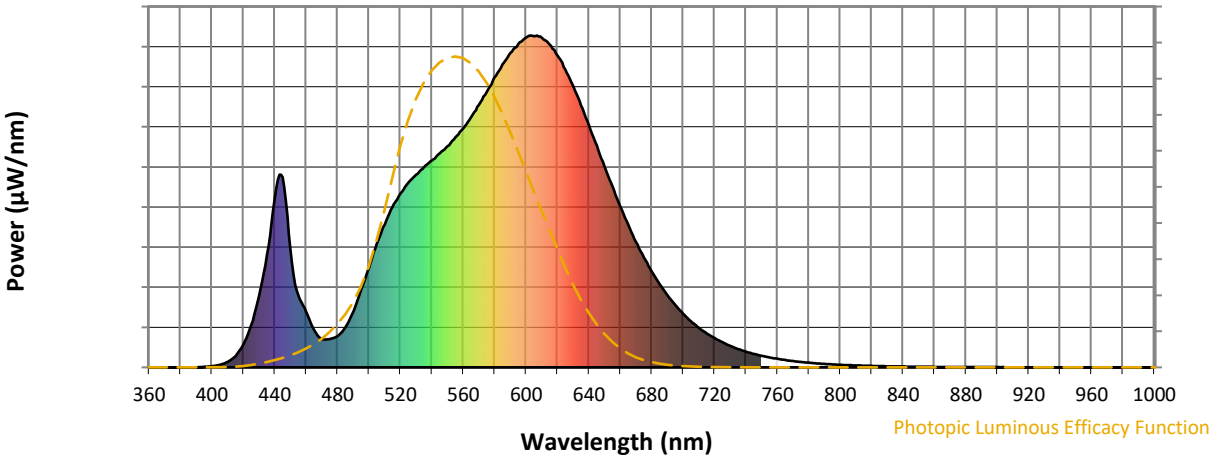


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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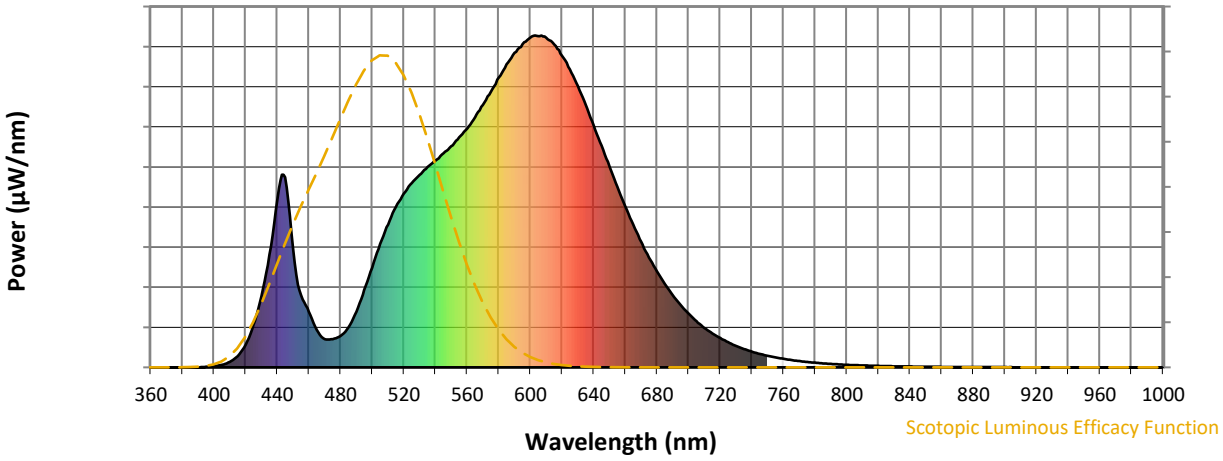
Scotopic Flux vs. Wavelength



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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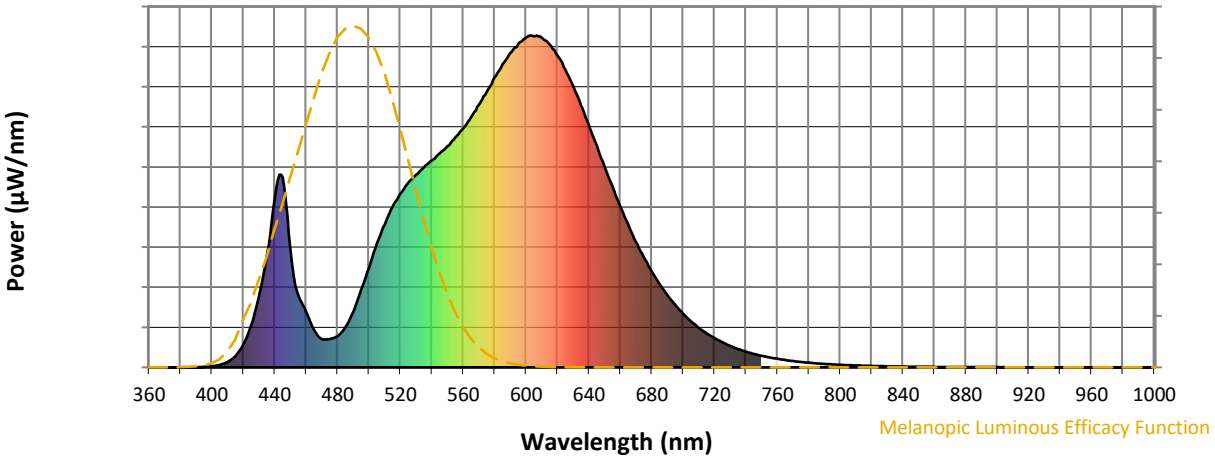
Melanopic Flux vs. Wavelength



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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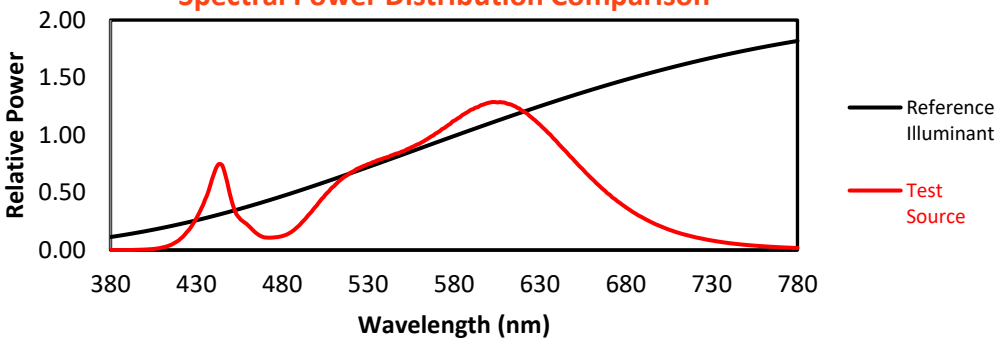
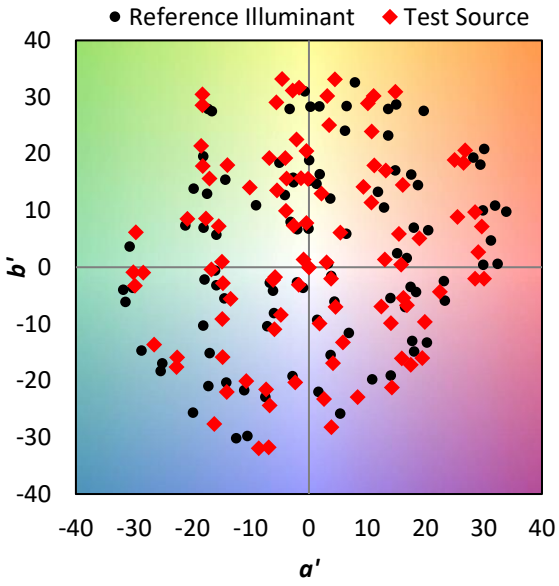
Summary

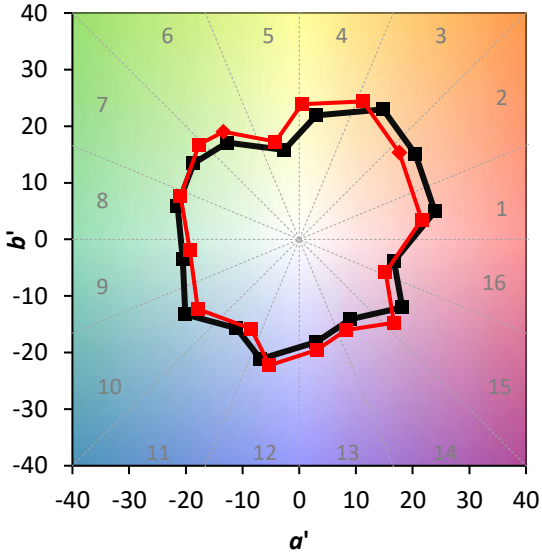
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

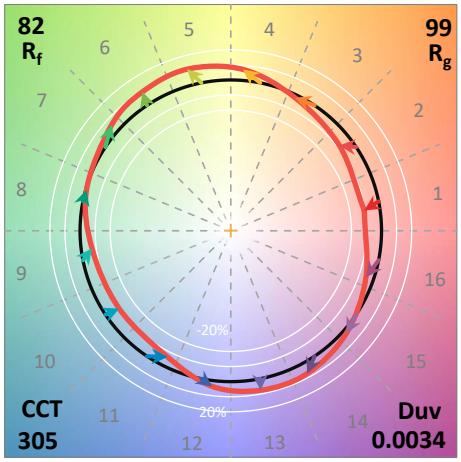
Spectral Power Distribution Comparison

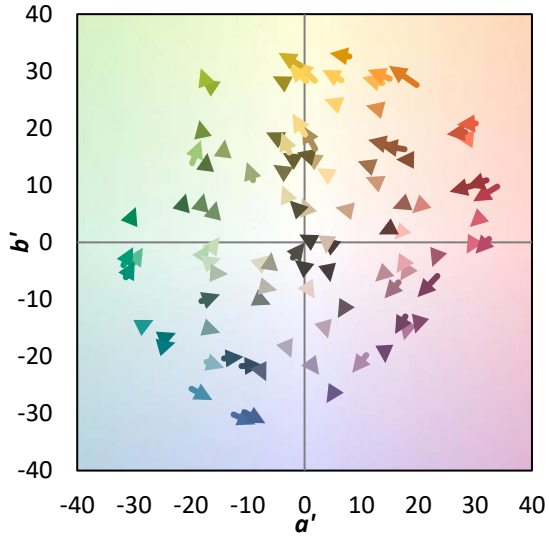


Color Vector Graphics









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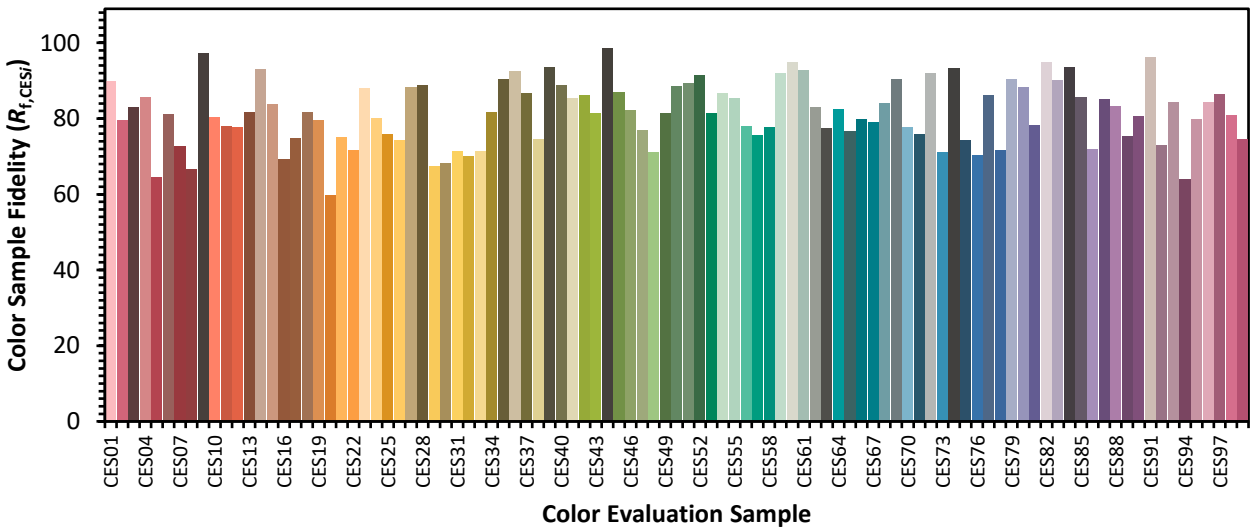
Individual Sample Fidelity Index ($R_{f,i}$)

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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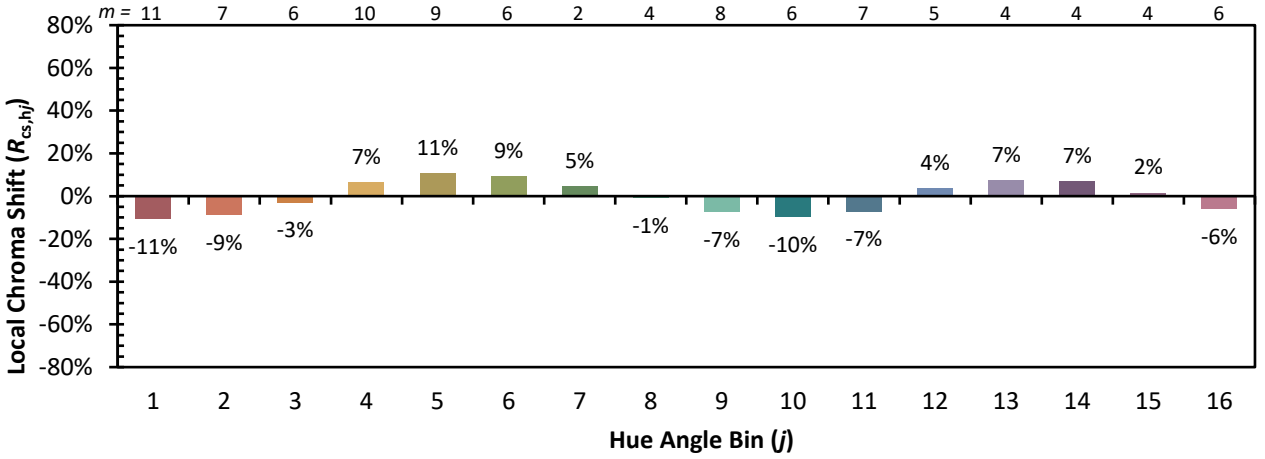
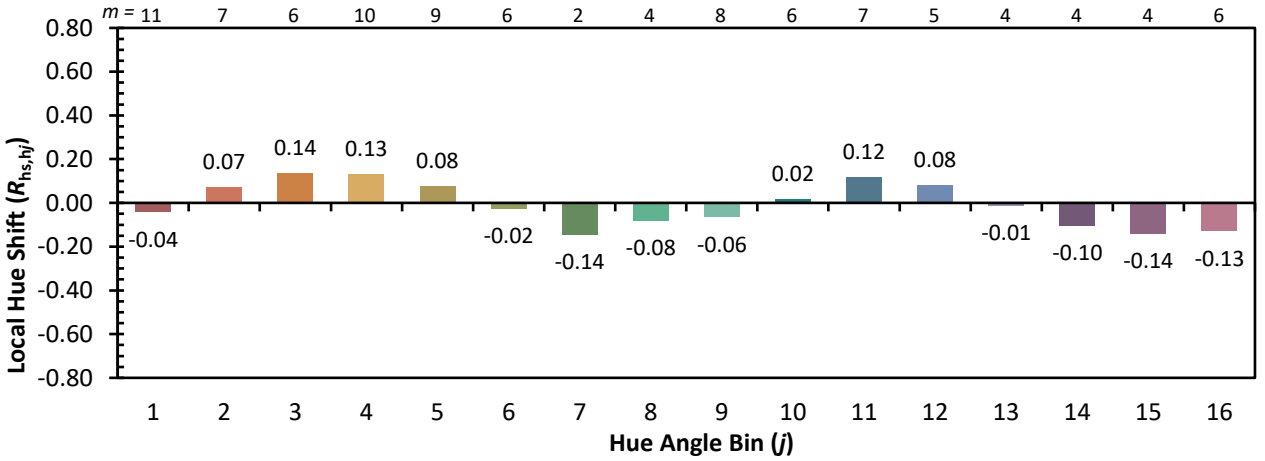
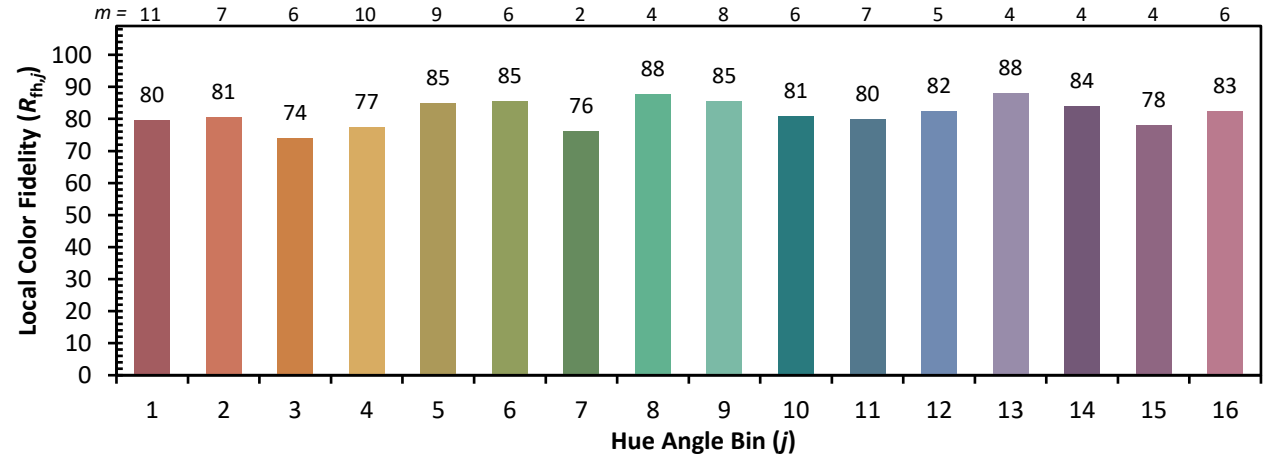
Color Rendition by Hue-Angle Bin







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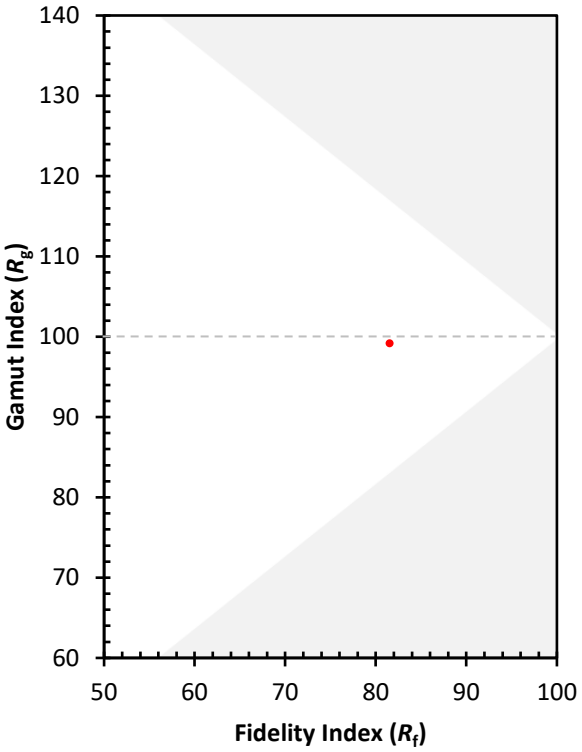
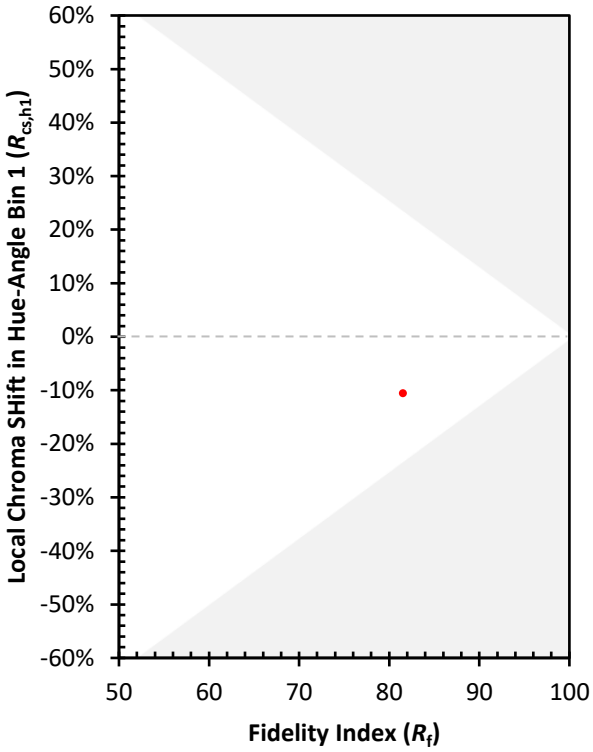
Measure Comparisons





(END OF REPORT)