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: P319544

Luminaire Tested: **GLEON-SA0D-830-U-SL2**

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:	P319544
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA0D-830-U-SL2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	59785 lumens
Efficiency:	N/A
Efficacy:	93.4 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B4 - U0 - G5

Input Watts (W):	640
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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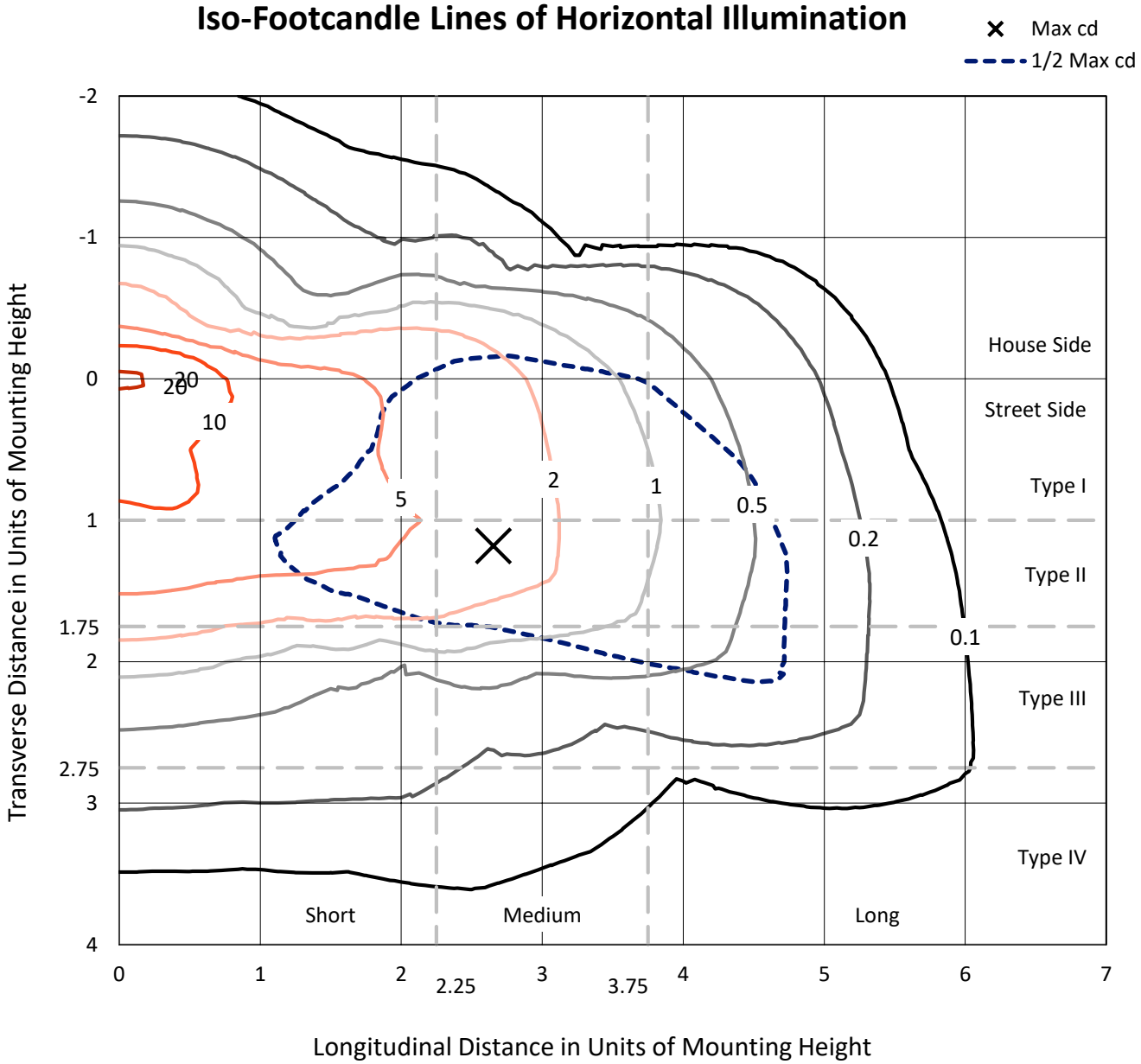
REPORT NUMBER: P319544
CATALOG NUMBER: GLEON-SA0D-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 21.9 fc
Type III - Medium - N/A

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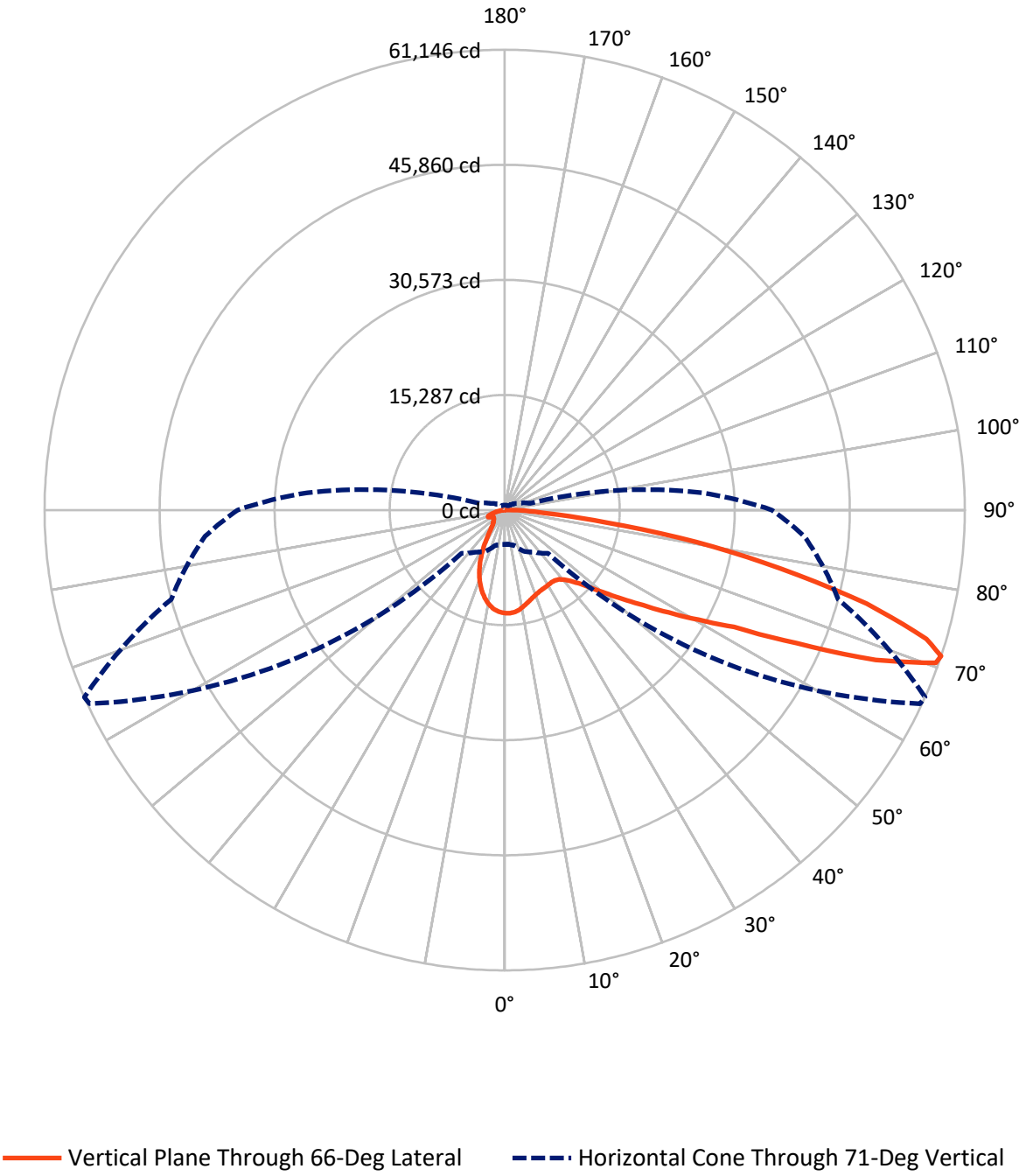
Luminous Intensity Polar Plot



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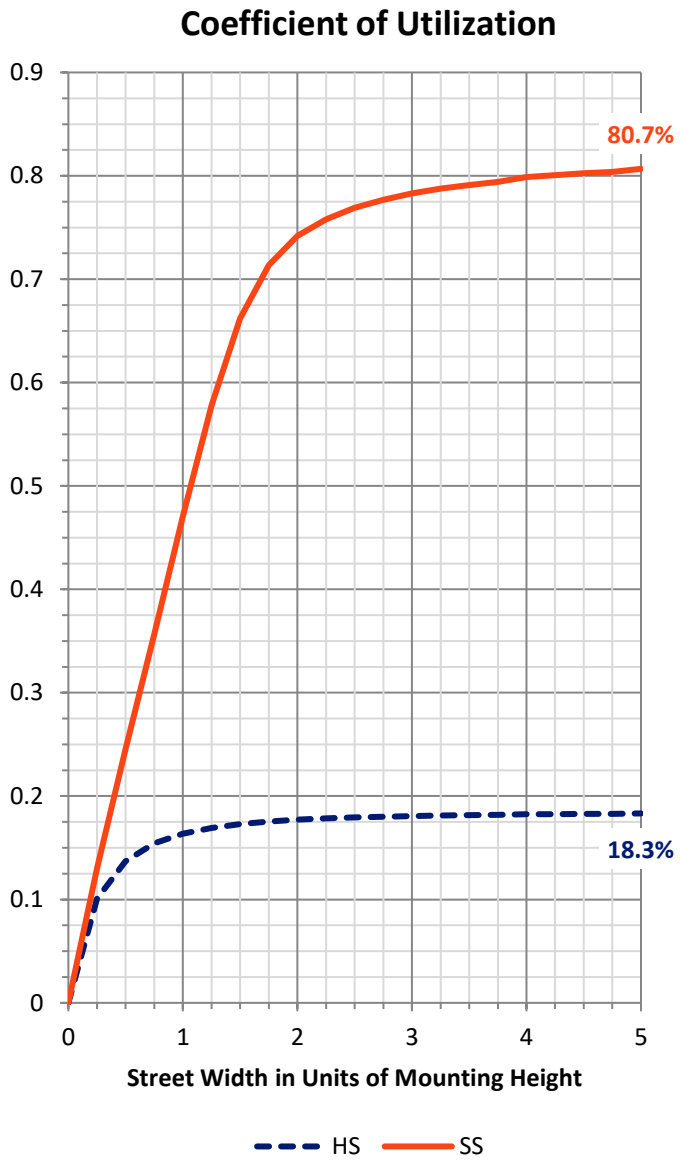
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11079.8	0.0	11079.8
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	48705.2	0.0	48705.2
	% Fixture	81.5	0.0	81.5
Total	Lumens	59785.0	0.0	59785.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1205.5	2.0
10°-20°	2891.4	4.8
20°-30°	3883.9	6.5
30°-40°	5109.2	8.5
40°-50°	7432.5	12.4
50°-60°	11610.4	19.4
60°-70°	14543.9	24.3
70°-80°	11093.7	18.6
80°-90°	2014.5	3.4
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°	59785.0	100.0
0°-180°	59785.0	100.0



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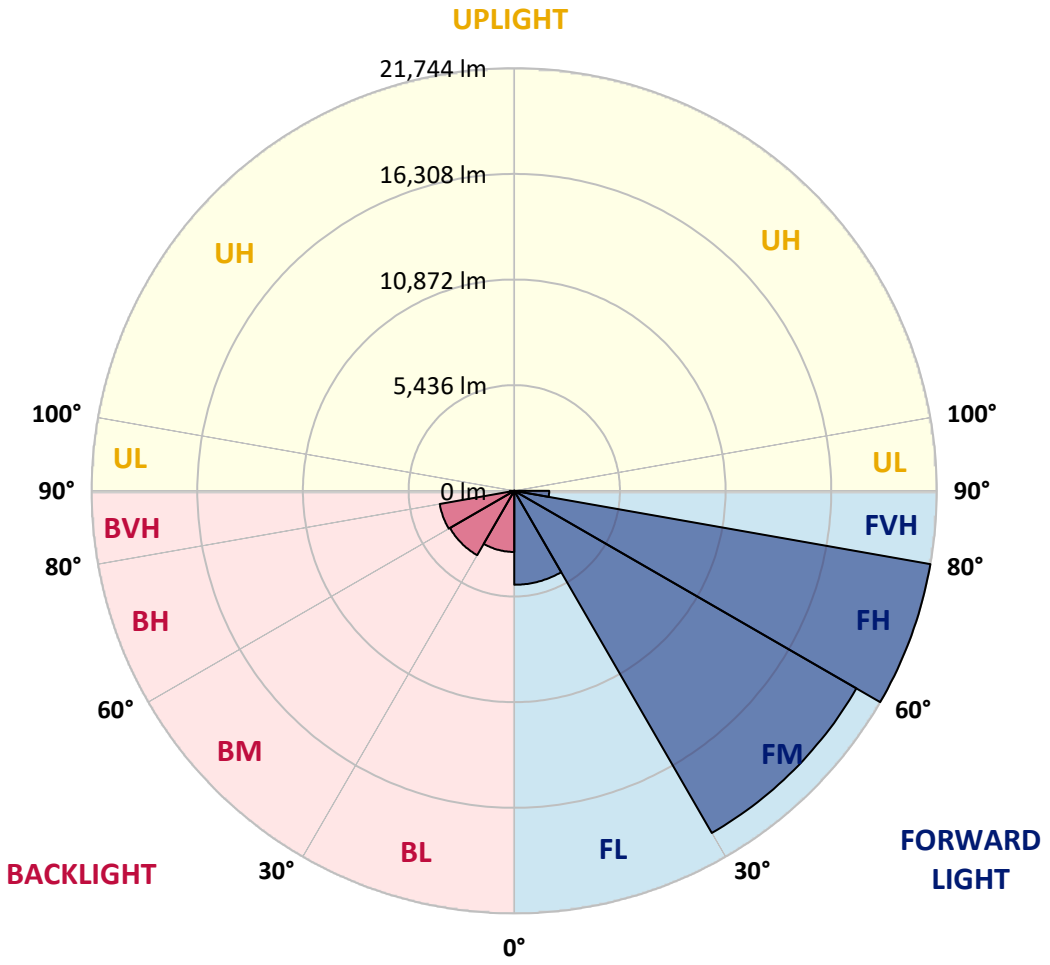
CATALOG NUMBER: GLEON-SA0D-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4834.4	8.1			
FM	(30°-60°)	20329.9	34.0			
FH	(60°-80°)	21744.4	36.4			G5
FVH	(80°-90°)	1796.4	3.0			G5
BL	(0°-30°)	3146.4	5.3	B4/5000		
BM	(30°-60°)	3822.2	6.4	B3/5000		
BH	(60°-80°)	3893.2	6.5	B4/5000		G4/5000
BVH	(80°-90°)	218.1	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type III Medium



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Scaled Data Report

REPORT NUMBER: P319544
CATALOG NUMBER: GLEON-SA0D-830-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6
2.5°	13441.7	13421.1	13483.0	13547.0	13571.7	13613.0	13674.9	13710.0	13708.0	13714.2	13693.5
5°	12550.0	12523.2	12647.0	12748.1	12942.2	13161.0	13427.2	13617.1	13621.3	13728.6	13757.5
7.5°	11705.8	11687.2	11829.6	11992.7	12217.7	12552.1	12983.5	13392.2	13416.9	13708.0	13809.1
10°	11028.7	11024.6	11162.9	11340.4	11602.5	11976.2	12471.5	13070.2	13107.3	13608.9	13817.4
12.5°	10500.3	10508.5	10628.3	10830.6	11107.2	11497.3	12034.0	12708.9	12768.8	13452.0	13769.9
15°	10110.2	10143.2	10240.2	10444.6	10717.0	11113.3	11664.5	12374.5	12465.4	13276.6	13743.1
17.5°	9887.2	9924.4	9992.5	10161.8	10417.7	10799.6	11321.8	12100.0	12182.6	13142.4	13745.1
20°	9821.2	9852.2	9891.4	9994.6	10211.3	10558.1	11051.4	11852.3	11941.1	13035.1	13765.8
22.5°	9951.2	9973.9	9978.1	9969.8	10101.9	10384.7	10855.3	11670.7	11765.6	12964.9	13780.2
25°	10229.9	10260.9	10238.1	10161.8	10118.4	10291.8	10754.2	11550.9	11645.9	12913.3	13751.3
27.5°	10648.9	10653.0	10634.5	10535.4	10331.0	10302.1	10723.2	11480.8	11571.6	12853.4	13691.5
30°	11218.6	11245.4	11212.4	11078.3	10743.9	10467.3	10760.4	11412.6	11495.2	12777.0	13594.4
32.5°	11885.3	11951.4	11949.3	11809.0	11330.1	10836.7	10913.1	11371.4	11435.3	12696.5	13476.8
35°	12576.8	12667.6	12836.9	12777.0	12184.6	11420.9	11206.2	11437.4	11480.8	12686.2	13394.2
37.5°	13295.1	13386.0	13734.8	13895.8	13202.3	12256.9	11668.6	11670.7	11691.3	12812.1	13388.0
40°	14046.5	14143.5	14667.8	15086.8	14521.2	13315.8	12413.8	12157.8	12135.1	13121.8	13509.8
42.5°	15099.2	15185.9	15815.5	16350.1	15984.7	14671.9	13443.8	12909.1	12861.7	13728.6	13899.9
45°	16430.6	16504.9	17173.7	17745.4	17557.6	16220.0	14738.0	13943.3	13935.0	14740.0	14690.5
47.5°	18013.8	18071.6	18672.2	19225.4	19293.5	18001.4	16364.5	15538.9	15404.7	16127.1	15914.5
50°	19663.0	19727.0	20135.7	20730.2	21235.9	20385.5	18457.6	17493.6	17314.0	17958.0	17648.4
52.5°	20755.0	20839.6	21194.6	21948.0	23419.8	22998.7	20932.5	19863.2	19590.8	20177.0	19939.6
55°	20267.8	20457.7	21000.6	22208.1	25166.0	26990.7	23985.3	22627.1	22319.6	22806.7	22666.3
57.5°	18053.0	18313.1	19054.1	20918.0	25411.7	30508.0	28600.8	25882.3	25665.5	25525.2	25589.2
60°	14005.2	14255.0	15173.5	17603.0	23700.5	33075.8	35546.6	29895.0	29581.2	28254.0	28311.8
62.5°	9912.0	9786.1	10415.7	12192.9	19258.5	33377.2	43450.2	35261.7	34229.7	31135.5	30881.6
65°	7558.9	7530.0	7812.8	8378.4	11664.5	29771.1	48158.5	44282.1	42670.0	34524.8	33926.2
67.5°	6211.0	6159.4	6438.1	7261.7	7511.4	19206.8	48261.7	54747.3	53164.1	38744.0	37447.7
70°	5106.7	5048.9	5309.0	6372.0	6941.7	9740.7	40618.2	60875.7	60791.1	44086.0	40106.3
71°	4578.3	4537.0	4848.7	6029.4	6819.9	8118.3	35069.8	60892.2	61146.1	45894.1	39949.4
72.5°	3727.8	3742.3	4072.6	5366.8	6729.1	7168.8	25774.9	58054.0	58590.7	47617.7	38523.1
75°	2477.0	2489.4	2922.8	4128.3	6524.8	7014.0	14166.2	48713.8	49700.4	46585.6	35152.3
77.5°	1663.7	1659.6	1954.7	2832.0	5684.6	7014.0	8306.1	36434.2	37517.9	37067.9	27100.1
80°	1145.6	1137.3	1345.8	1954.7	4303.7	7098.6	6421.5	25533.4	25861.6	20018.1	11014.3
82.5°	701.8	708.0	879.3	1380.9	2929.0	6388.5	6062.4	13922.6	13565.5	5614.5	2751.5
85°	402.5	400.4	561.4	935.1	1880.4	5391.5	5911.7	5992.2	5496.8	1690.5	994.9
87.5°	144.5	154.8	301.4	518.1	1077.5	3754.7	5015.9	3116.9	2809.3	763.7	450.0
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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CATALOG NUMBER: GLEON-SA0D-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6	13695.6
2.5°	13679.1	13691.5	13677.0	13594.4	13524.3	13410.7	13346.7	13258.0	13231.2	13218.8	13251.8
5°	13730.7	13734.8	13613.0	13396.3	13152.7	12865.8	12659.4	12405.5	12285.8	12234.2	12267.2
7.5°	13778.2	13759.6	13493.3	13078.4	12628.4	12128.9	11685.1	11278.5	11041.1	10944.1	10952.3
10°	13784.3	13705.9	13278.6	12636.7	11939.0	11206.2	10525.1	9897.6	9501.2	9243.2	9321.7
12.5°	13720.4	13588.3	12962.8	12064.9	11096.8	10097.8	9177.2	8235.9	7670.4	7408.2	7416.5
15°	13670.8	13431.4	12574.8	11392.0	10091.6	8768.5	7511.4	6405.0	5802.3	5534.0	5408.1
17.5°	13629.5	13262.1	12124.8	10634.5	8904.7	7226.6	5715.6	4729.0	4398.7	4320.3	4287.2
20°	13571.7	13082.5	11623.2	9757.2	7552.7	5500.9	4173.7	3686.6	3688.6	3779.4	3791.8
22.5°	13491.2	12878.2	11088.6	8772.6	6101.6	4006.5	3271.7	3131.3	3273.7	3447.1	3478.1
25°	13371.5	12636.7	10494.1	7684.8	4652.6	3079.7	2794.8	2788.7	2962.0	3143.7	3170.5
27.5°	13202.3	12320.9	9833.6	6516.5	3428.5	2617.3	2503.8	2547.2	2675.1	2807.2	2817.6
30°	12975.2	11953.4	9104.9	5284.2	2687.5	2330.4	2318.0	2357.3	2435.7	2528.6	2536.8
32.5°	12725.4	11579.8	8326.8	4091.1	2301.5	2175.6	2188.0	2206.6	2243.7	2280.9	2289.1
35°	12498.4	11198.0	7530.0	3108.6	2117.8	2074.5	2066.2	2062.1	2066.2	2053.8	2055.9
37.5°	12351.8	10882.2	6700.2	2474.9	2012.5	1985.7	1960.9	1930.0	1894.9	1874.2	1878.4
40°	12298.2	10646.8	5860.1	2138.5	1925.8	1907.3	1859.8	1793.7	1752.5	1740.1	1740.1
42.5°	12442.7	10525.1	5048.9	1969.2	1853.6	1822.6	1744.2	1667.8	1636.9	1634.8	1632.7
45°	12884.4	10574.6	4276.9	1876.3	1787.5	1727.7	1624.5	1560.5	1539.9	1544.0	1541.9
47.5°	13677.0	10886.3	3616.4	1814.4	1721.5	1643.1	1527.5	1475.9	1451.1	1451.1	1453.2
50°	15024.9	11614.9	3090.0	1762.8	1665.8	1564.6	1457.3	1393.3	1360.3	1358.2	1358.2
52.5°	16987.9	12919.5	2761.8	1719.4	1603.8	1494.4	1387.1	1306.6	1267.4	1259.1	1255.0
55°	19448.4	14789.6	2671.0	1690.5	1521.3	1418.1	1302.5	1222.0	1178.6	1160.0	1158.0
57.5°	22199.9	17064.3	2850.6	1655.4	1436.6	1327.2	1209.6	1133.2	1087.8	1065.1	1063.0
60°	24984.4	19547.4	3583.4	1605.9	1366.5	1228.2	1114.6	1044.5	999.0	974.3	970.1
62.5°	27773.0	22164.8	5079.9	1601.8	1316.9	1133.2	1017.6	957.8	914.4	887.6	881.4
65°	30918.8	25029.8	6780.7	1711.2	1300.4	1046.5	918.5	871.1	833.9	809.1	807.1
67.5°	34531.0	28264.3	6617.6	1936.2	1356.1	968.1	825.7	788.5	761.7	741.0	739.0
70°	36225.7	27758.6	4113.8	2095.1	1434.6	891.7	736.9	710.1	689.4	675.0	668.8
71°	*35515.6*	*26357.0*	*3449.2*	*2076.5*	*1426.3*	*858.7*	*701.8*	*681.2*	*660.5*	*648.1*	*641.9*
72.5°	33579.5	24036.9	2877.4	1932.0	1333.4	798.8	656.4	635.8	617.2	602.7	598.6
75°	30132.4	21467.1	2303.6	1544.0	1063.0	675.0	575.9	553.2	538.7	530.5	522.2
77.5°	22150.3	15320.1	1781.4	1219.9	782.3	551.1	491.3	474.8	460.3	447.9	441.7
80°	8485.7	5934.4	1199.3	910.3	573.8	435.5	396.3	388.1	373.6	365.4	365.4
82.5°	2285.0	1773.1	639.9	551.1	383.9	317.9	303.4	299.3	286.9	270.4	272.5
85°	924.7	782.3	359.2	303.4	235.3	187.8	204.4	206.4	192.0	171.3	173.4
87.5°	406.6	332.3	200.2	134.2	103.2	72.2	92.9	92.9	84.6	70.2	64.0
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

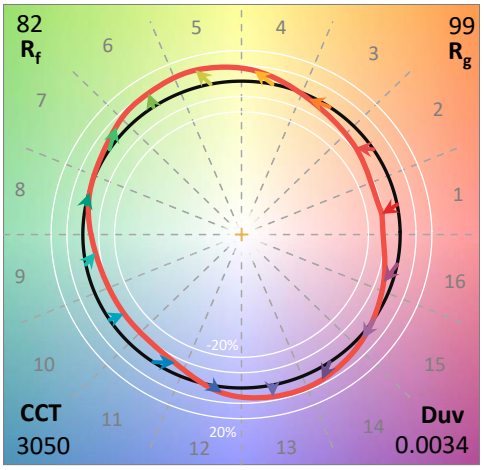
Test Information

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

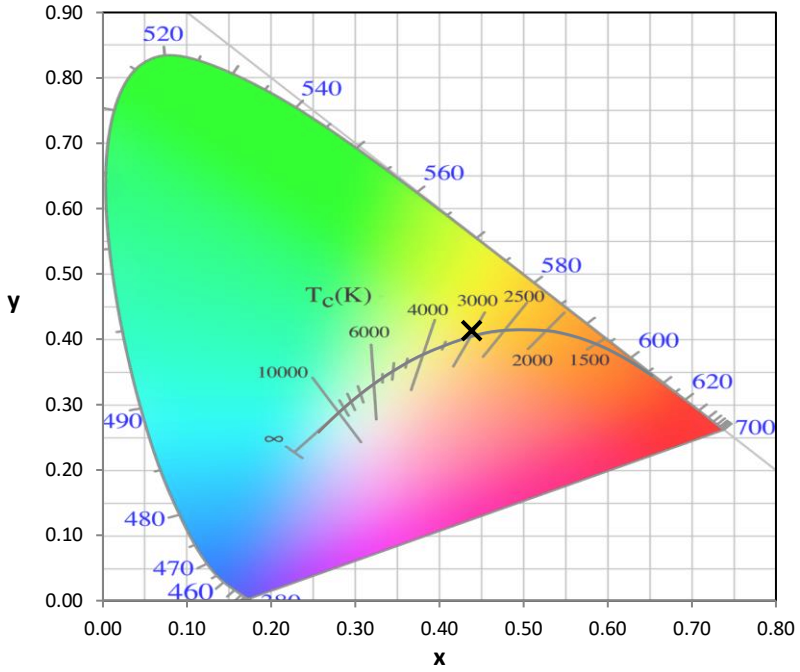
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

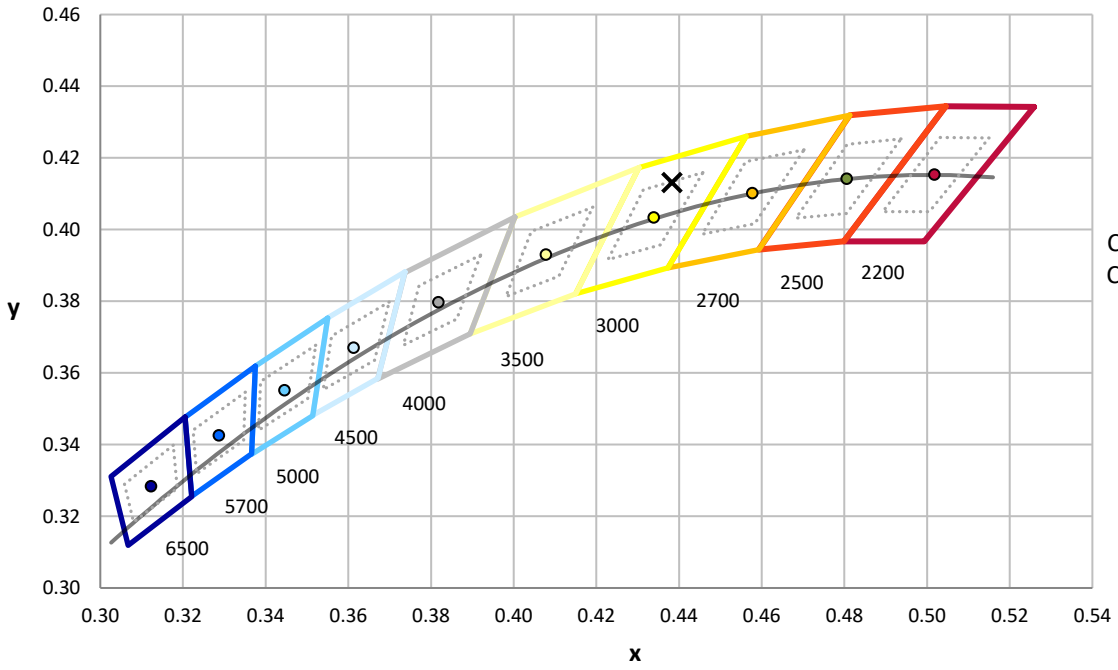
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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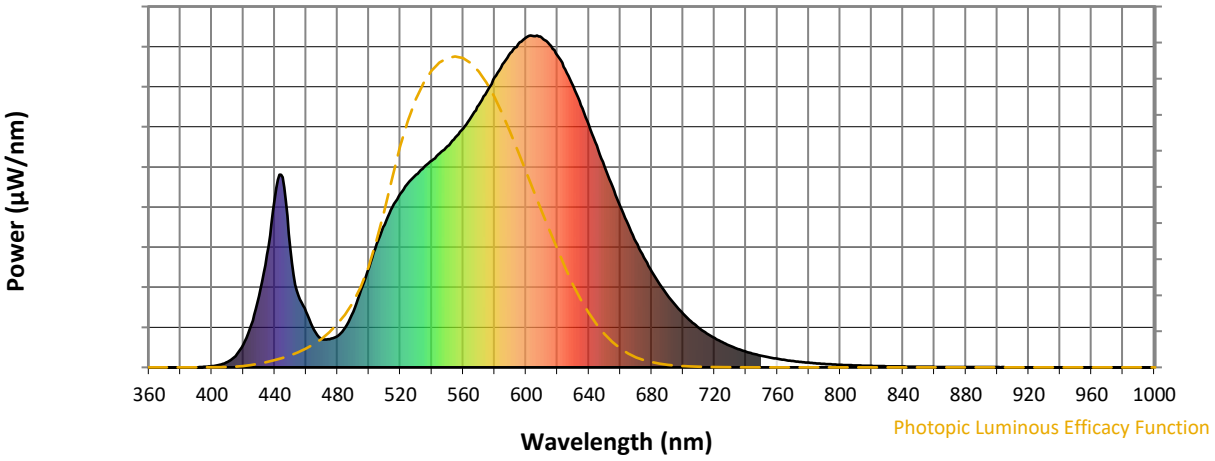
Photopic Flux vs. Wavelength



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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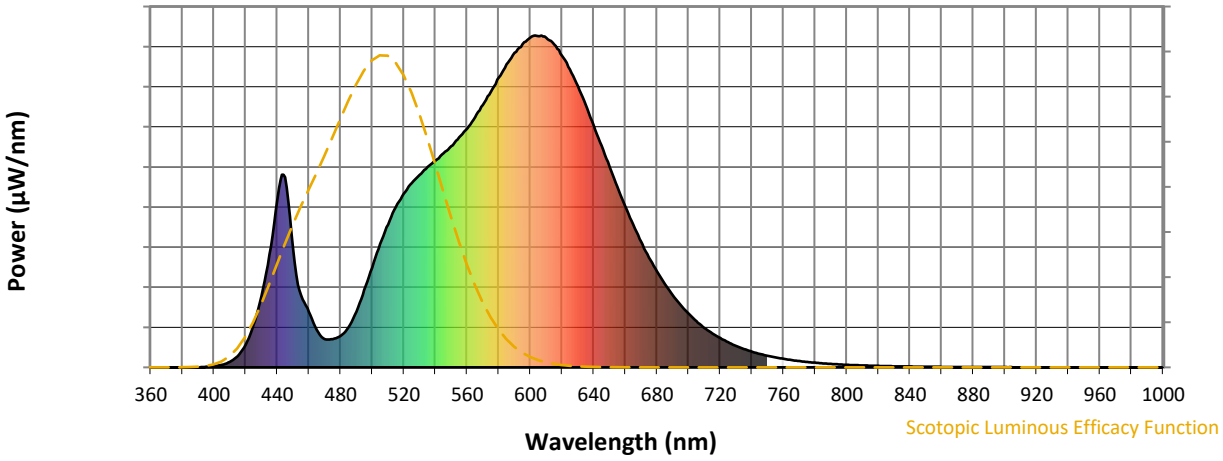
Scotopic Flux vs. Wavelength



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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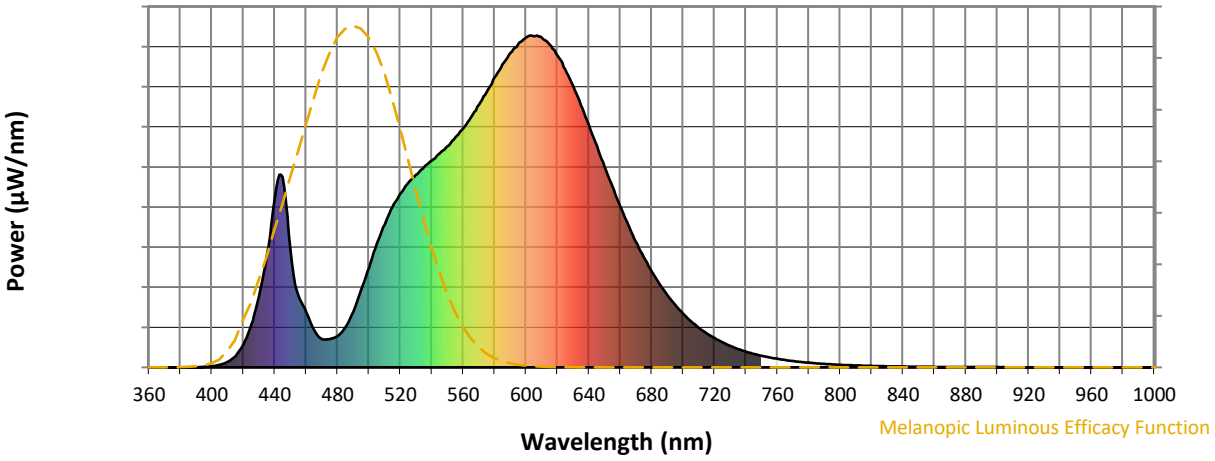
Melanopic Flux vs. Wavelength



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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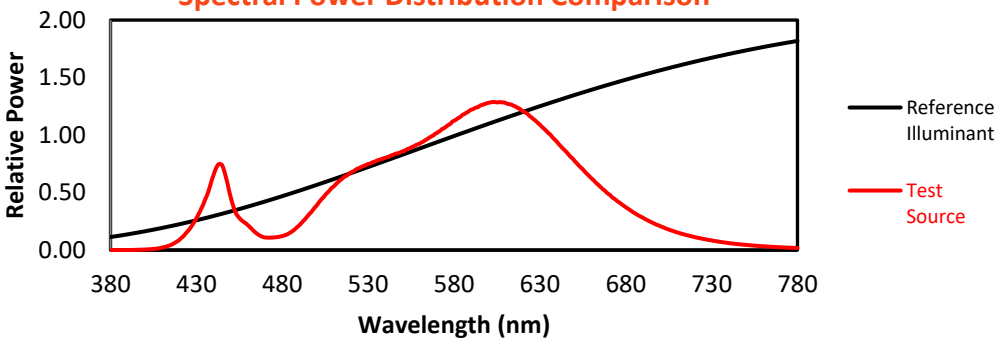
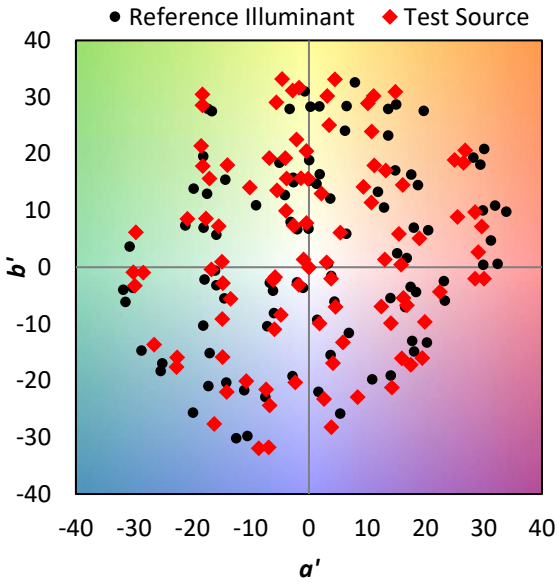
Summary

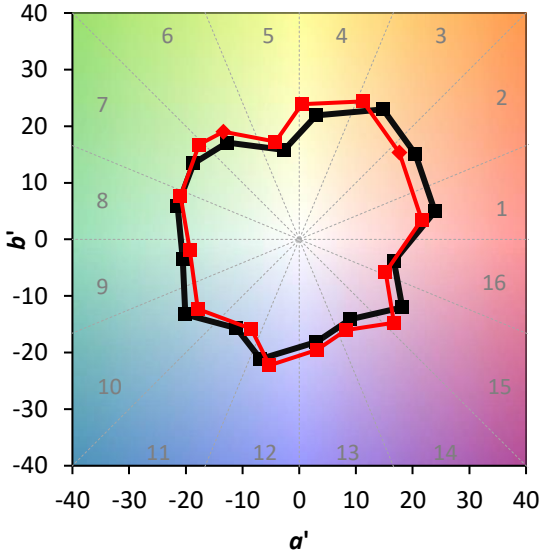
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

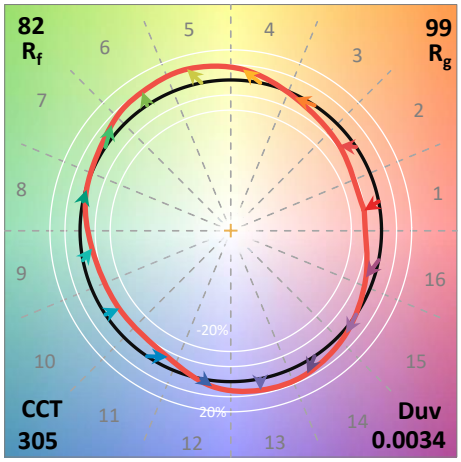
Spectral Power Distribution Comparison

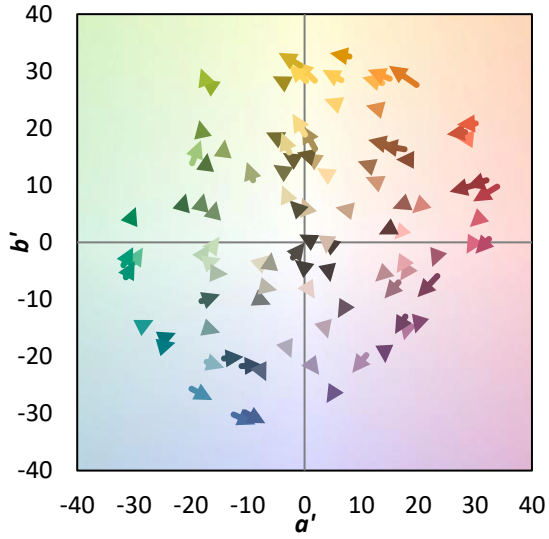


Color Vector Graphics









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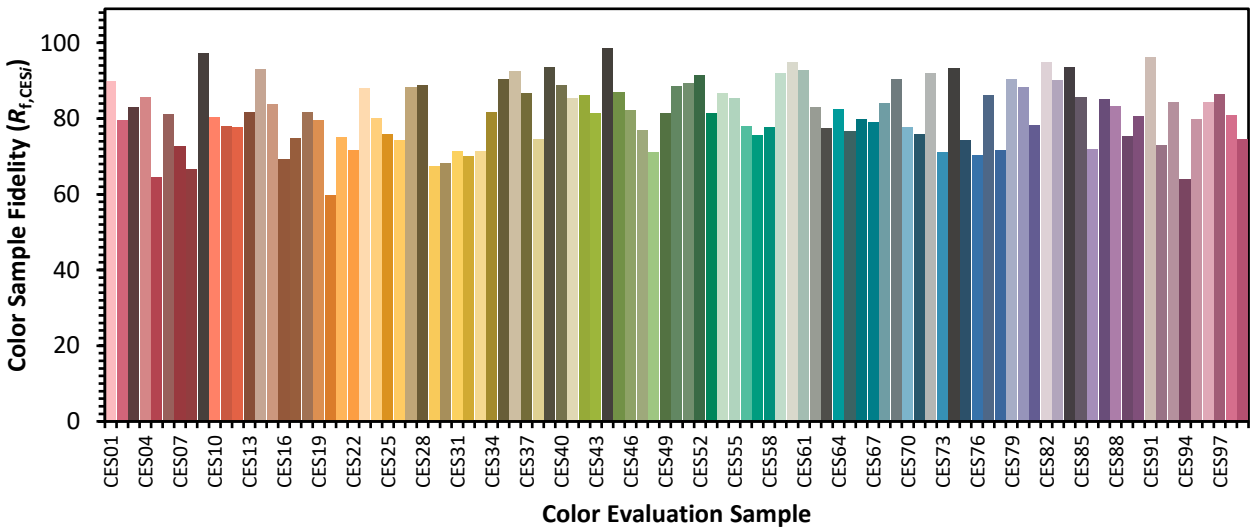
Individual Sample Fidelity Index ($R_{f,i}$)

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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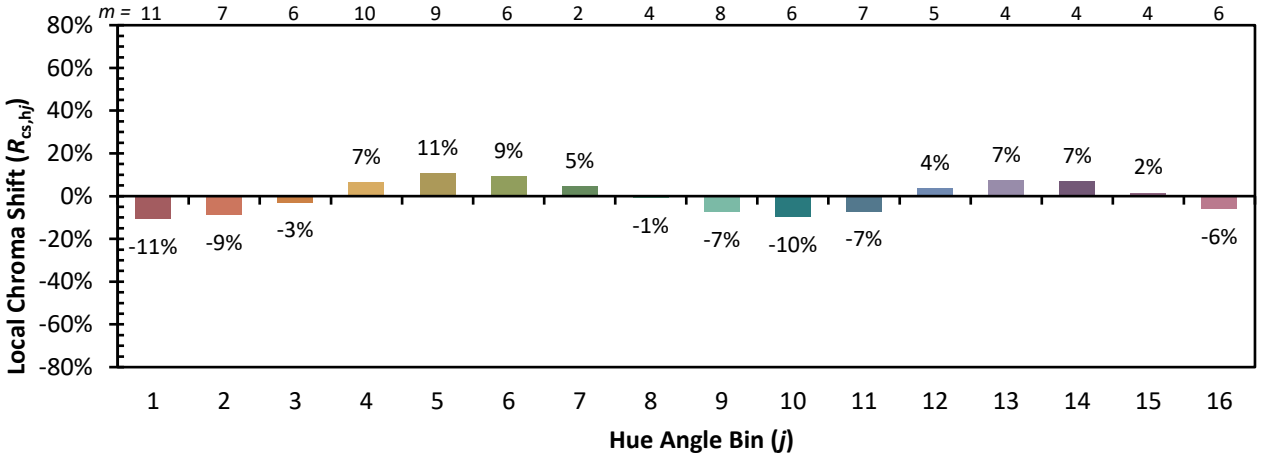
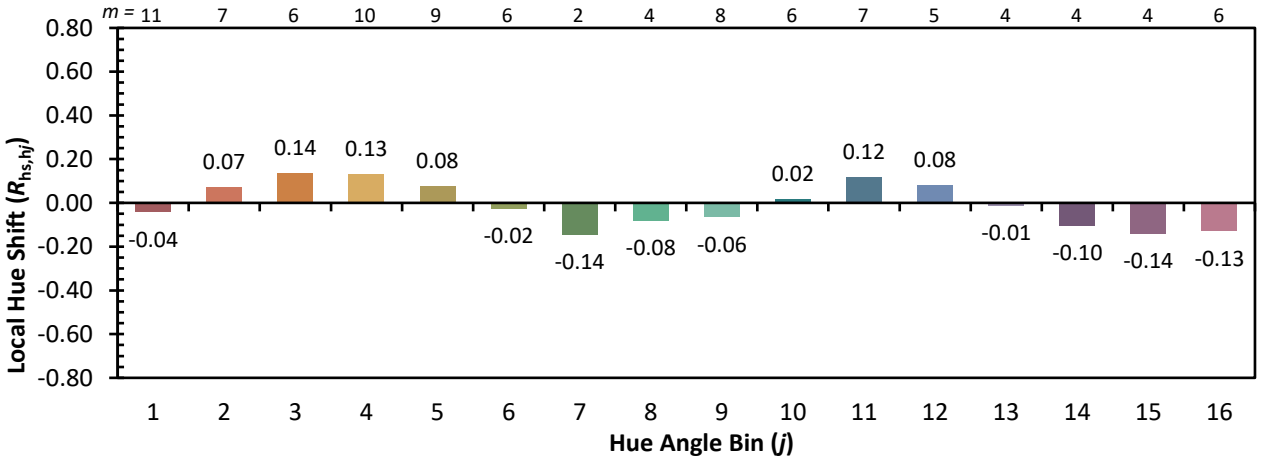
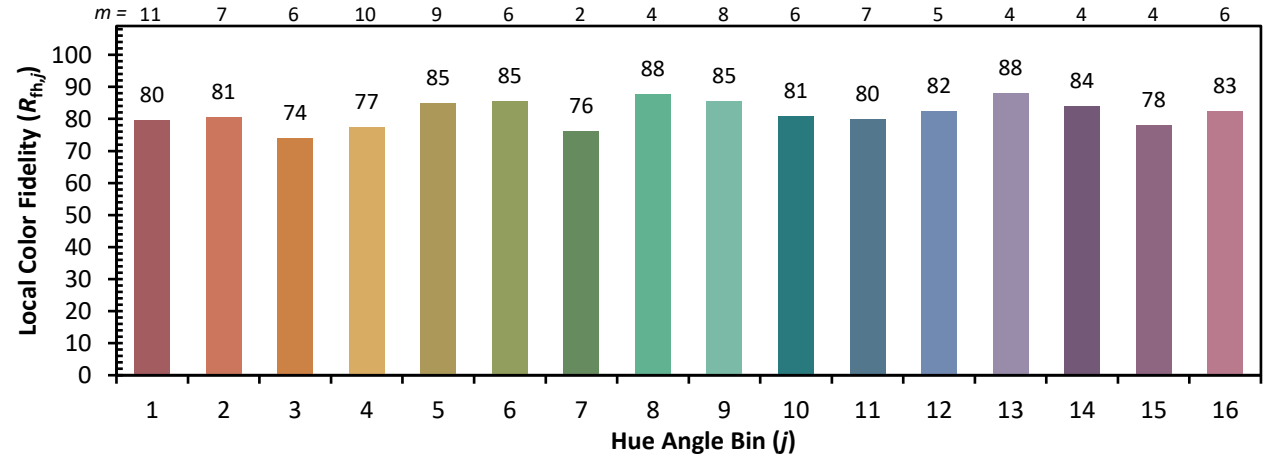
Color Rendition by Hue-Angle Bin







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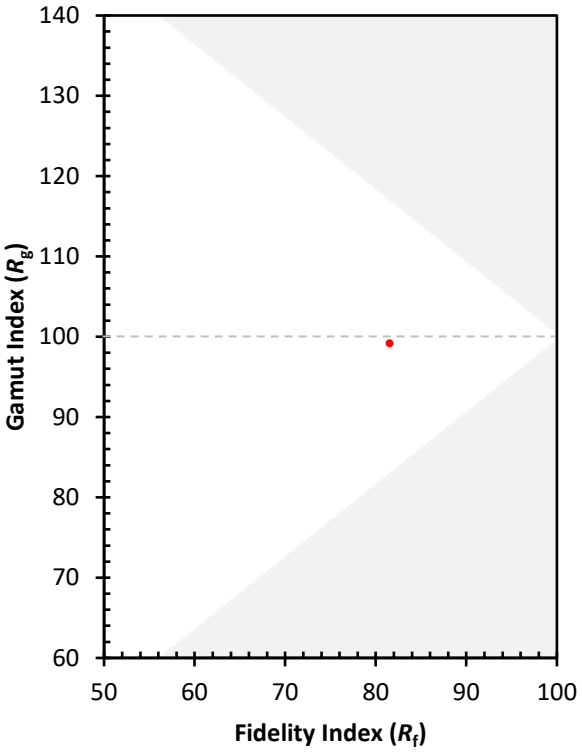
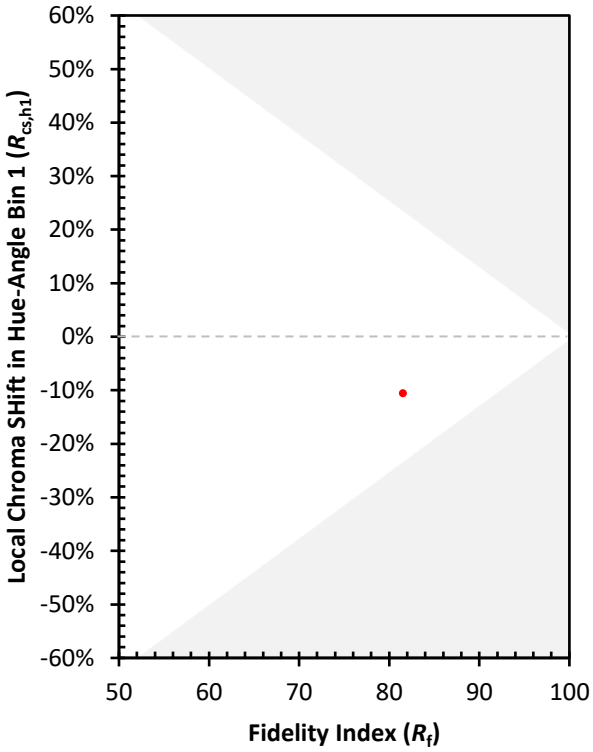
Measure Comparisons





(END OF REPORT)