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: P318902

Luminaire Tested: **GLEON-SA8D-830-U-T4FT**

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:	P318902
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8D-830-U-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	49711 lumens
Efficiency:	N/A
Efficacy:	97.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B4 - U0 - G5

Input Watts (W):	511
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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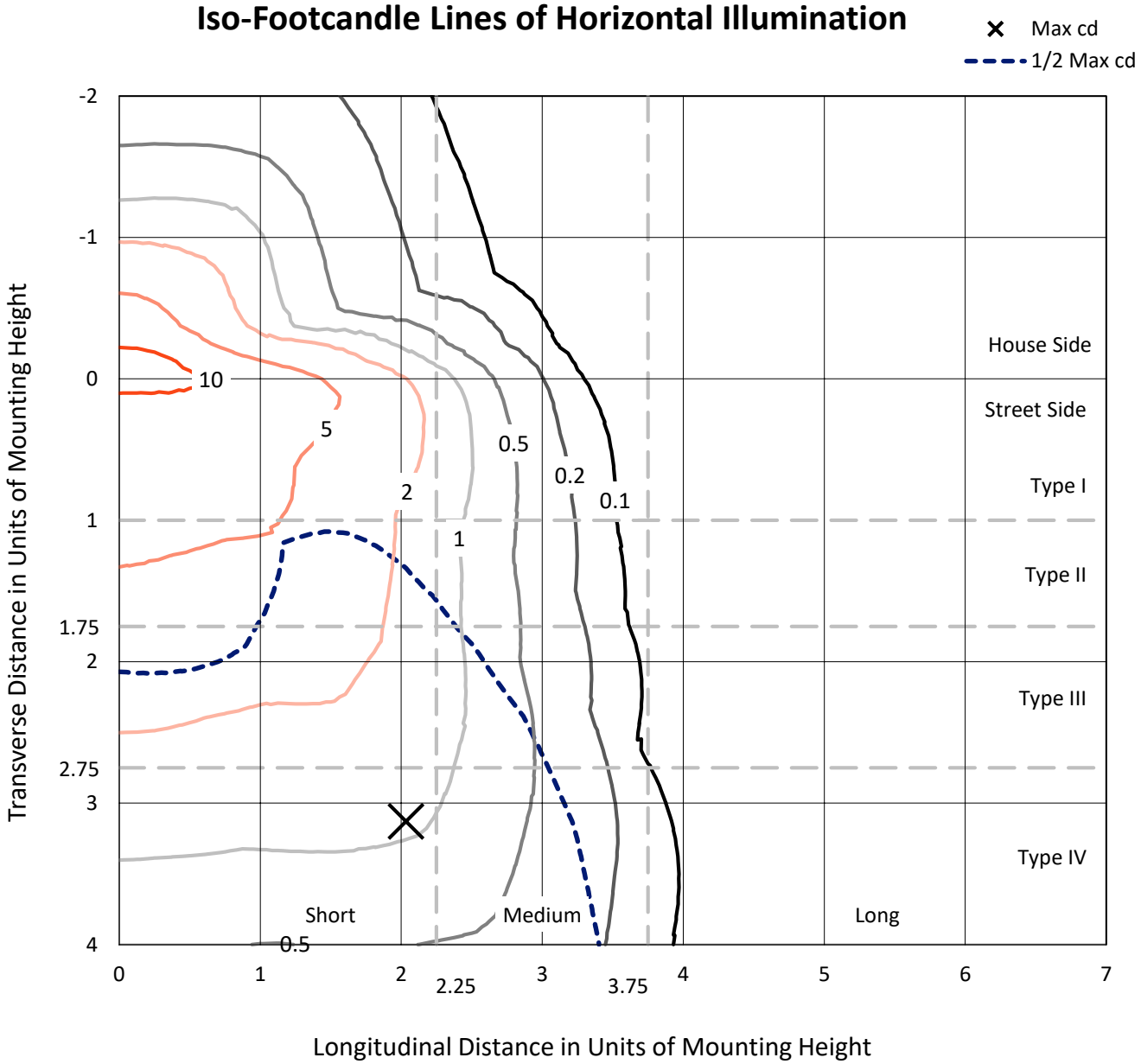
Scaled Data Report

REPORT NUMBER: P318902
CATALOG NUMBER: GLEON-SA8D-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
Type IV - Short - N/A

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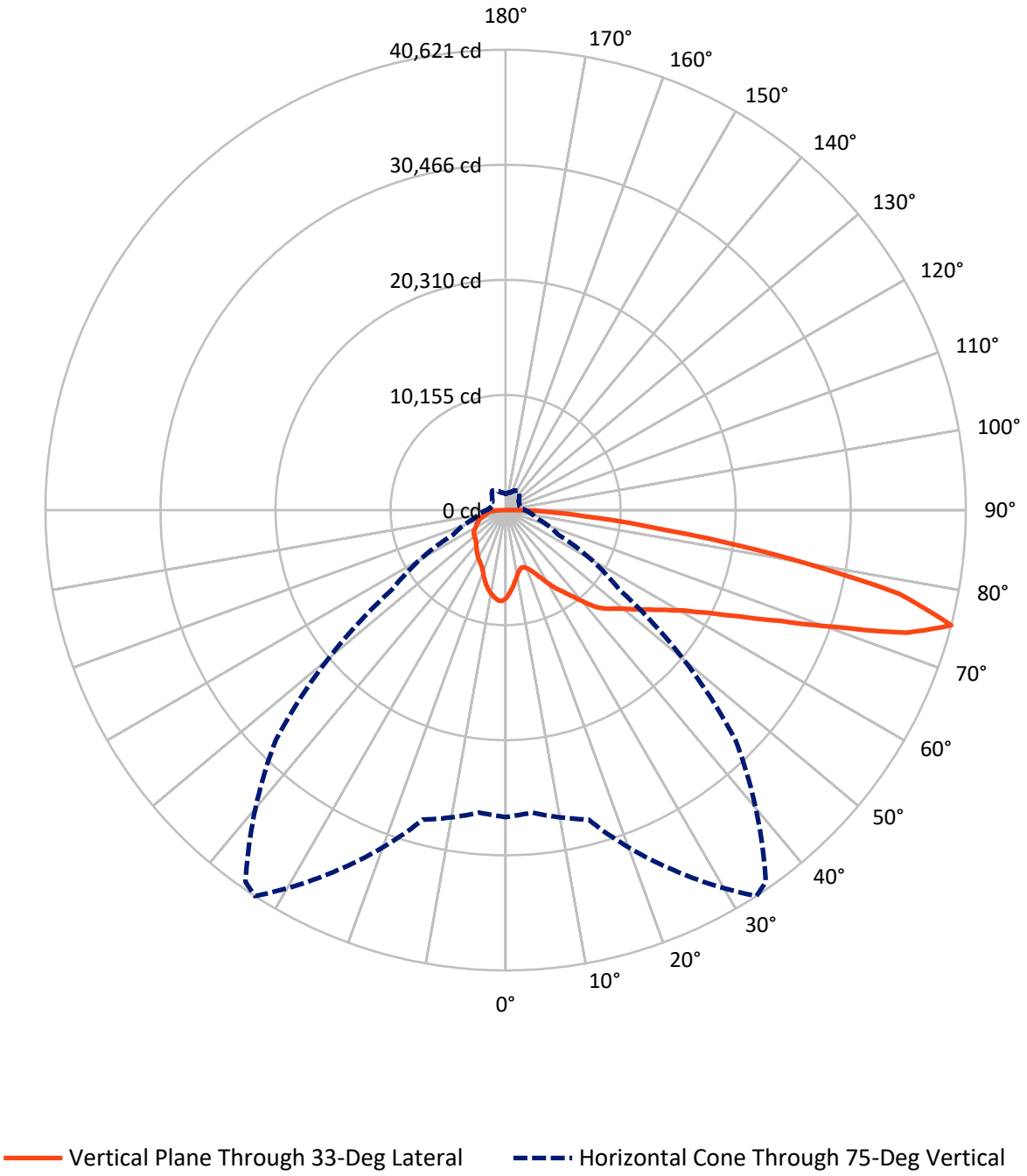
Luminous Intensity Polar Plot



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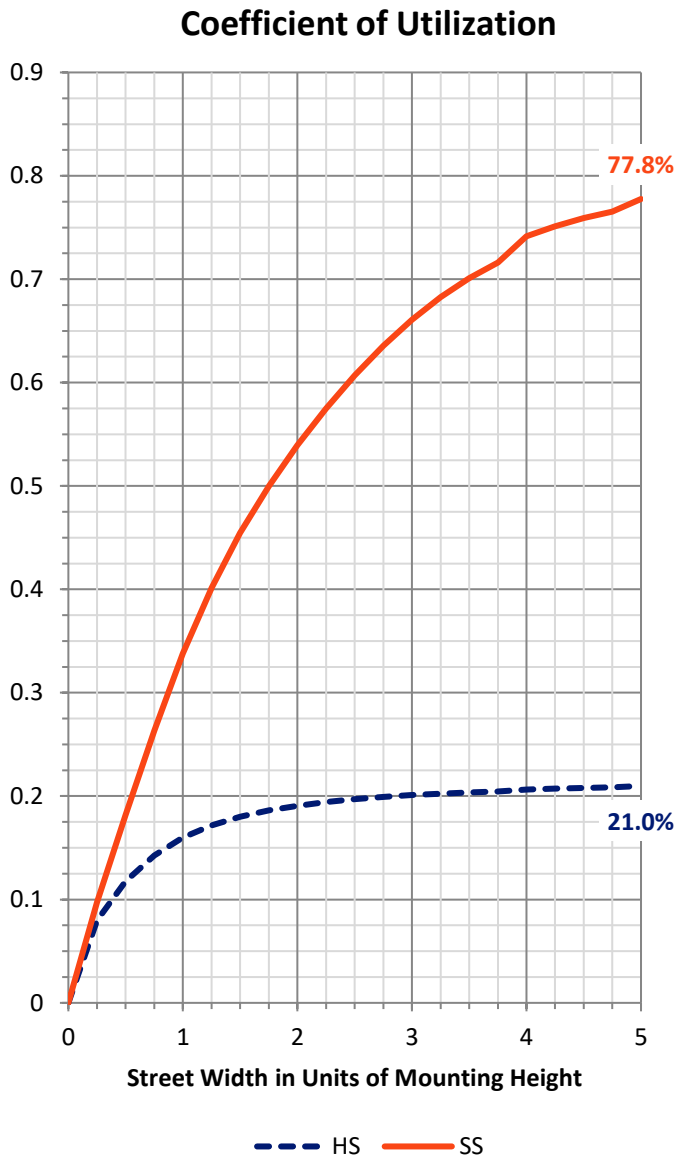
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10674.2	0.0	10674.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	39036.7	0.0	39036.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	49711.0	0.0	49711.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	702.7	1.4
10°-20°	1903.2	3.8
20°-30°	3108.3	6.3
30°-40°	4628.9	9.3
40°-50°	6639.1	13.4
50°-60°	9114.5	18.3
60°-70°	11410.9	23.0
70°-80°	10322.9	20.8
80°-90°	1880.4	3.8
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°	49711.0	100.0
0°-180°	49711.0	100.0



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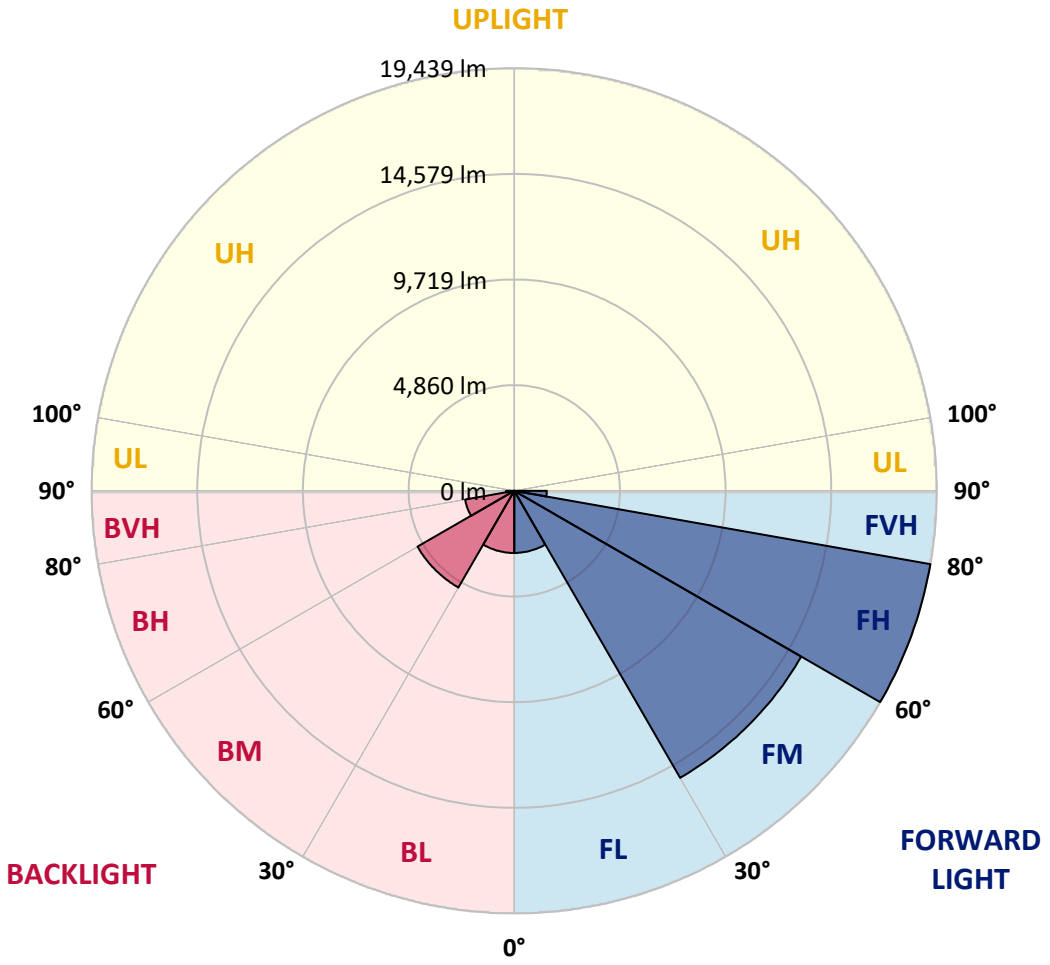
REPORT NUMBER: P318902
CATALOG NUMBER: GLEON-SA8D-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2855.1	5.7			
FM	(30°-60°)	15245.3	30.7			
FH	(60°-80°)	19438.7	39.1			G5
FVH	(80°-90°)	1497.6	3.0			G5
BL	(0°-30°)	2859.1	5.8	B4/5000		
BM	(30°-60°)	5137.2	10.3	B4/8500		
BH	(60°-80°)	2295.2	4.6	B3/2500		G3/2500
BVH	(80°-90°)	382.8	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type IV Short



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Scaled Data Report

REPORT NUMBER: P318902
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1
2.5°	7215.5	7188.0	7239.5	7246.4	7291.0	7308.2	7370.0	7466.2	7545.2	7636.2	7718.6
5°	6561.2	6542.3	6614.5	6666.0	6763.9	6805.1	6951.0	7155.4	7337.4	7543.4	7730.6
7.5°	5939.6	5929.3	6010.0	6126.8	6240.1	6296.8	6549.2	6846.3	7150.2	7483.3	7770.1
10°	5415.9	5412.5	5489.7	5604.8	5771.3	5834.9	6161.1	6552.6	6978.5	7437.0	7837.1
12.5°	5122.3	5134.3	5170.3	5266.5	5421.0	5484.6	5846.9	6307.1	6834.3	7421.5	7935.0
15°	5194.4	5213.3	5151.5	5148.0	5257.9	5307.7	5647.7	6131.9	6731.2	7447.3	8077.5
17.5°	5501.8	5505.2	5342.1	5239.0	5306.0	5331.8	5585.9	6032.4	6671.1	7505.7	8256.1
20°	5934.5	5925.9	5637.4	5465.7	5501.8	5508.6	5673.5	6034.1	6666.0	7607.0	8487.9
22.5°	6508.0	6444.5	6056.4	5822.9	5814.3	5804.0	5898.4	6161.1	6741.5	7771.8	8764.3
25°	7256.7	7196.6	6662.5	6343.2	6274.5	6248.7	6262.4	6432.4	6890.9	7948.7	9073.4
27.5°	8089.5	7984.8	7469.6	7018.0	6875.5	6839.4	6757.0	6815.4	7054.1	8118.7	9440.9
30°	8786.7	8730.0	8280.1	7744.4	7576.1	7524.6	7308.2	7244.7	7289.3	8350.5	9904.5
32.5°	9176.5	9138.7	8865.7	8432.9	8276.7	8204.5	7898.9	7771.8	7667.1	8716.3	10533.0
35°	9648.7	9624.6	9459.8	9145.5	8913.7	8838.2	8601.2	8469.0	8199.4	9219.4	11345.2
37.5°	10249.7	10223.9	10227.4	9973.2	9696.8	9626.3	9470.1	9331.0	8889.7	9880.5	12227.8
40°	10929.7	10879.9	10861.0	10849.0	10673.8	10634.3	10551.9	10363.0	9755.1	10670.4	13098.4
42.5°	11953.1	11776.2	11398.4	11541.0	11714.4	11693.8	11760.8	11489.5	10716.7	11604.5	13948.4
45°	12940.4	12650.3	11997.7	12028.6	12408.1	12523.2	13024.6	12832.3	11759.0	12627.9	14827.6
47.5°	13390.3	13170.5	12615.9	12617.6	12993.7	13232.4	14331.3	14194.0	12854.6	13790.4	15900.8
50°	13893.5	13673.7	13175.7	13362.9	13690.8	13945.0	15593.4	15523.0	13896.9	15062.8	17187.0
52.5°	14443.0	14070.3	13754.4	14089.2	14549.4	14844.8	16857.3	16664.9	14853.4	16343.8	18665.4
55°	14449.8	14348.5	14588.9	14834.5	15523.0	15885.4	18181.2	17672.9	15632.9	17602.5	19869.2
57.5°	15272.3	15107.5	15617.5	15730.8	16630.6	17039.3	19498.2	18550.4	16426.3	18567.6	20518.2
60°	16361.0	16220.2	16637.5	16936.3	18000.9	18546.9	20904.6	19451.9	17049.6	19295.6	20487.3
62.5°	18241.3	18081.6	18076.4	18495.4	19929.3	20564.6	22482.7	20336.2	17296.9	19439.9	19613.3
65°	20993.9	20739.7	20260.7	20459.9	22592.6	23226.2	24246.2	20976.7	16970.6	18667.1	17362.1
67.5°	23672.6	23664.1	23075.1	23483.8	26109.3	26617.6	26255.2	21040.3	15952.3	15976.4	13368.0
70°	26342.8	26377.2	26277.6	27699.4	30860.6	31389.5	28394.8	20186.8	13663.4	11537.5	8008.8
72.5°	28458.3	28449.8	28951.2	32617.3	37026.9	36908.4	30197.8	17600.8	9810.1	6228.1	3827.5
75°	27088.1	26789.3	28283.2	35052.2	40620.9	40042.2	28664.4	12277.6	5091.4	2835.0	2060.6
77.5°	17667.8	17951.1	20143.9	28956.3	35531.3	34827.3	21029.9	5728.4	2398.9	1859.7	1493.9
80°	6398.1	6696.9	9432.3	16402.2	24479.7	24364.7	10356.1	2354.2	1622.7	1404.6	1088.7
82.5°	2201.4	2311.3	3721.1	7284.2	13821.3	14336.5	3896.2	1337.7	1179.7	995.9	745.2
85°	863.7	989.1	1701.7	3504.7	6971.6	7023.1	1578.1	800.2	820.8	652.5	408.7
87.5°	328.0	398.4	813.9	1627.9	3183.6	2924.3	564.9	381.2	467.1	388.1	194.0
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-SA8D-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1	7770.1
2.5°	7782.1	7818.2	7893.7	7945.3	8000.2	8015.7	8022.5	8036.3	8050.0	8044.9	8046.6
5°	7830.2	7900.6	8022.5	8074.0	8098.1	8070.6	8017.4	7974.4	7943.5	7926.4	7921.2
7.5°	7909.2	8008.8	8139.3	8130.7	8075.8	7953.8	7816.5	7713.4	7627.6	7596.7	7579.5
10°	8013.9	8130.7	8221.7	8123.8	7964.1	7752.9	7546.9	7387.2	7258.4	7208.6	7200.0
12.5°	8147.9	8266.4	8283.5	8075.8	7811.3	7522.8	7242.9	7031.7	6839.4	6777.6	6763.9
15°	8321.3	8432.9	8326.5	7991.6	7622.4	7234.4	6872.0	6585.3	6382.7	6307.1	6279.6
17.5°	8503.3	8609.8	8335.1	7852.5	7375.2	6892.6	6437.6	6144.0	5912.2	5824.6	5814.3
20°	8721.4	8769.5	8299.0	7653.3	7035.2	6449.6	5970.5	5694.1	5570.4	5508.6	5501.8
22.5°	8991.0	8939.5	8216.6	7383.7	6604.2	5937.9	5548.1	5419.3	5388.4	5374.7	5379.8
25°	9276.0	9118.1	8094.6	7031.7	6059.8	5426.2	5239.0	5275.1	5316.3	5311.1	5311.1
27.5°	9590.3	9300.1	7907.5	6564.7	5457.1	5007.2	5029.5	5161.8	5223.6	5221.9	5220.1
30°	9993.8	9506.1	7668.8	6003.2	4893.9	4711.9	4847.5	5008.9	5093.1	5089.6	5091.4
32.5°	10490.1	9732.8	7344.3	5376.4	4486.9	4493.8	4650.0	4809.7	4907.6	4899.0	4900.7
35°	11070.5	9986.9	6904.7	4758.2	4217.3	4320.4	4444.0	4555.6	4648.3	4636.3	4624.3
37.5°	11702.4	10235.9	6320.8	4205.3	3997.5	4158.9	4262.0	4280.9	4323.8	4292.9	4270.6
40°	12303.4	10426.5	5568.7	3752.0	3776.0	4021.6	4088.5	4013.0	3935.7	3925.4	3894.5
42.5°	12827.1	10490.1	4808.0	3389.7	3542.5	3877.3	3918.5	3760.6	3621.5	3556.2	3528.7
45°	13380.0	10512.4	4098.8	3085.7	3317.5	3748.5	3793.2	3582.0	3386.2	3245.4	3199.1
47.5°	14103.0	10673.8	3547.6	2860.8	3145.8	3662.7	3726.2	3439.5	3185.3	2984.4	2941.5
50°	15049.1	10993.2	3099.5	2689.1	3034.2	3606.0	3678.1	3300.4	3020.5	2778.4	2735.4
52.5°	16100.0	11286.8	2737.1	2550.0	2926.0	3506.4	3616.3	3200.8	2865.9	2587.7	2541.4
55°	16834.9	11061.9	2445.2	2405.7	2785.2	3363.9	3530.5	3116.6	2644.4	2402.3	2361.1
57.5°	16975.8	10292.6	2223.7	2256.3	2615.2	3185.3	3398.2	2929.5	2524.2	2321.6	2278.7
60°	16591.1	9221.1	2058.9	2119.0	2433.2	2960.4	3151.0	2797.2	2409.2	2235.7	2199.7
62.5°	15624.4	8123.8	1936.9	1995.3	2263.2	2732.0	2996.4	2658.1	2292.4	2137.9	2101.8
65°	13672.0	6820.5	1820.2	1885.4	2105.2	2534.5	2857.3	2529.4	2177.3	2058.9	2024.5
67.5°	10320.1	5108.5	1710.3	1768.7	1964.4	2362.8	2706.2	2402.3	2065.7	1990.2	1949.0
70°	6077.0	3199.1	1584.9	1646.7	1816.7	2184.2	2544.8	2263.2	1926.6	1892.3	1839.1
72.5°	2828.1	1924.9	1442.4	1502.5	1631.3	1945.5	2337.0	2081.2	1761.8	1686.2	1614.1
75°	*1688.0*	*1408.1*	*1274.1*	*1327.4*	*1418.4*	*1691.4*	*2076.0*	*1895.7*	*1605.5*	*1505.9*	*1430.4*
77.5°	1262.1	1076.7	1088.7	1145.3	1219.2	1480.2	1839.1	1749.8	1485.3	1408.1	1356.5
80°	908.4	817.4	887.8	949.6	1026.9	1346.2	1761.8	1617.6	1342.8	1239.8	1191.7
82.5°	606.2	587.3	668.0	731.5	807.1	1178.0	1655.3	1416.6	1147.1	1016.6	910.1
85°	334.8	353.7	449.9	477.4	542.6	829.4	1356.5	1138.5	863.7	695.4	664.5
87.5°	139.1	163.1	242.1	233.5	288.5	494.5	892.9	686.9	549.5	410.4	319.4
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

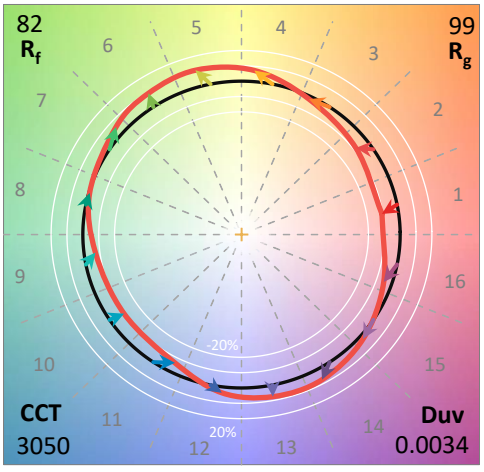
Test Information

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

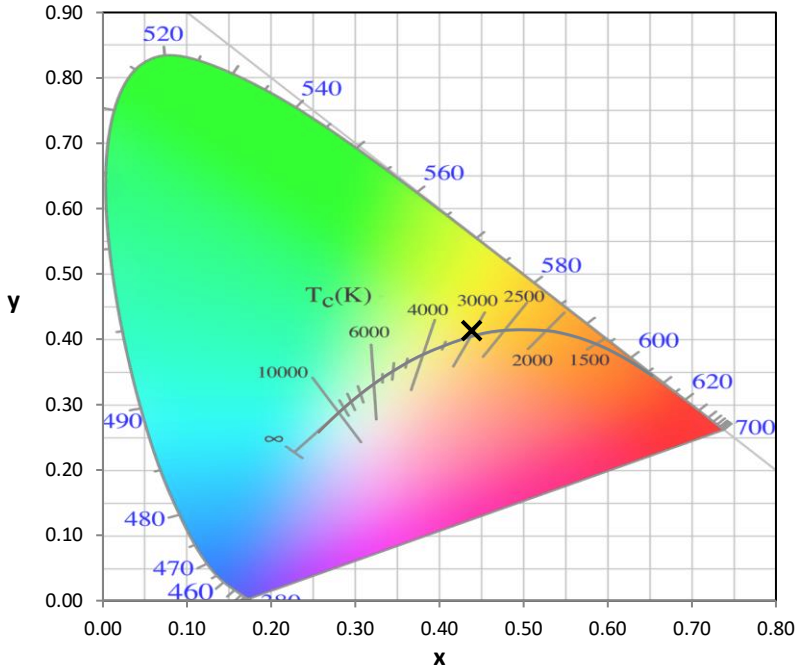
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

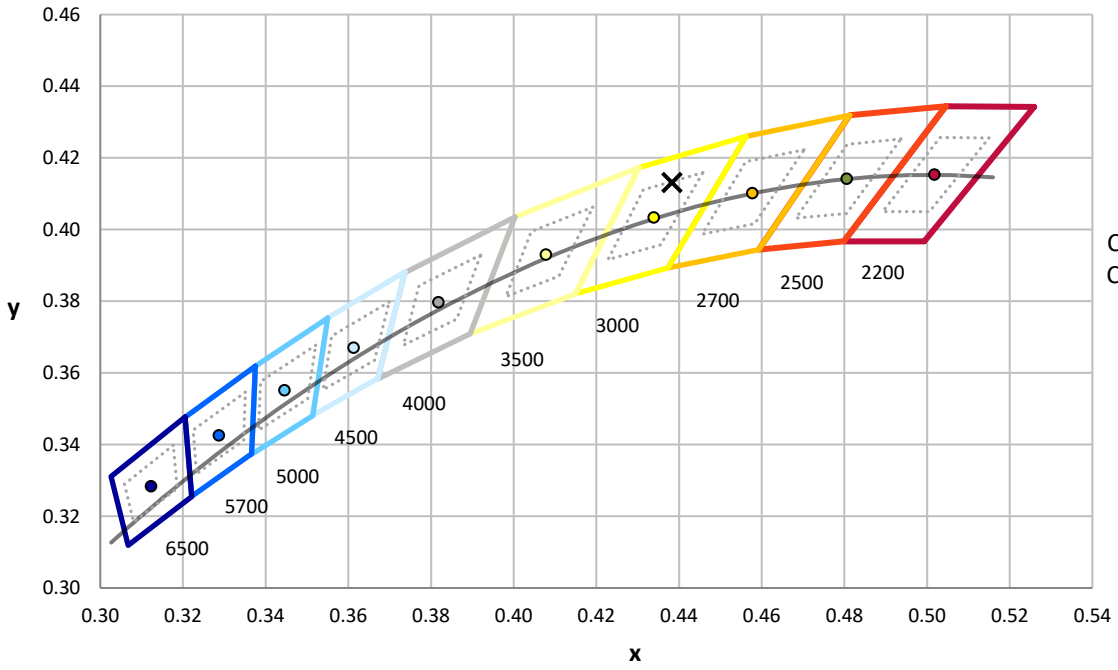
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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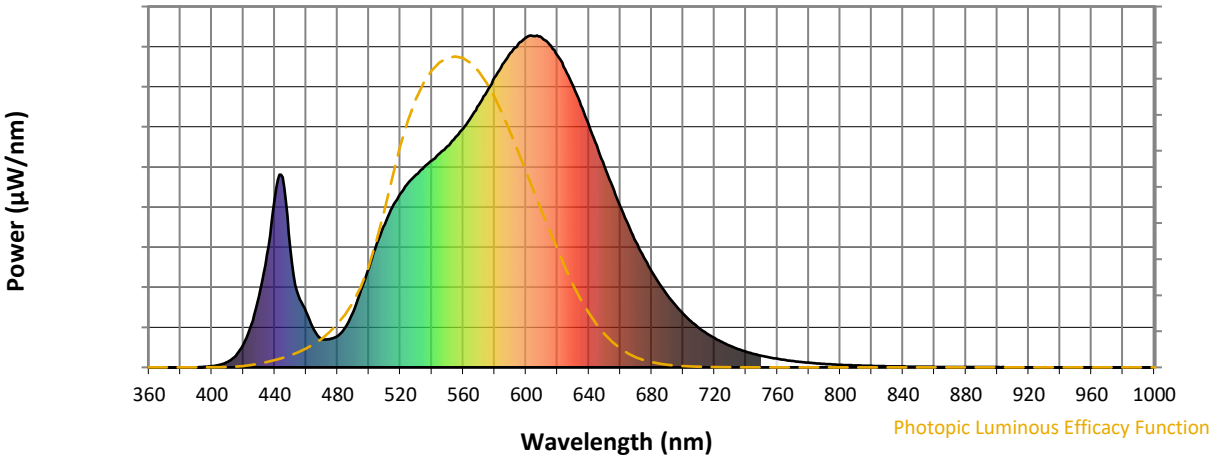
Photopic Flux vs. Wavelength



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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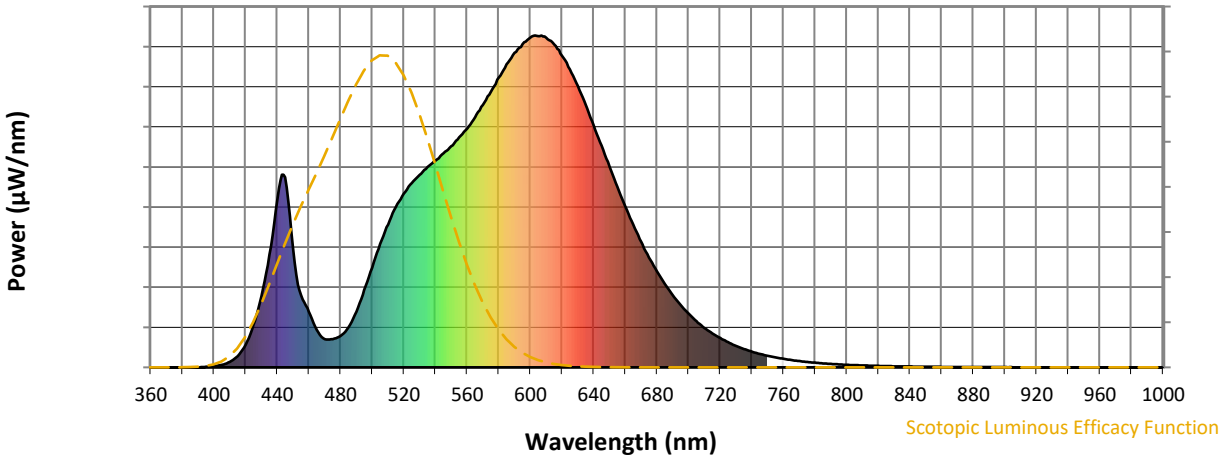
Scotopic Flux vs. Wavelength



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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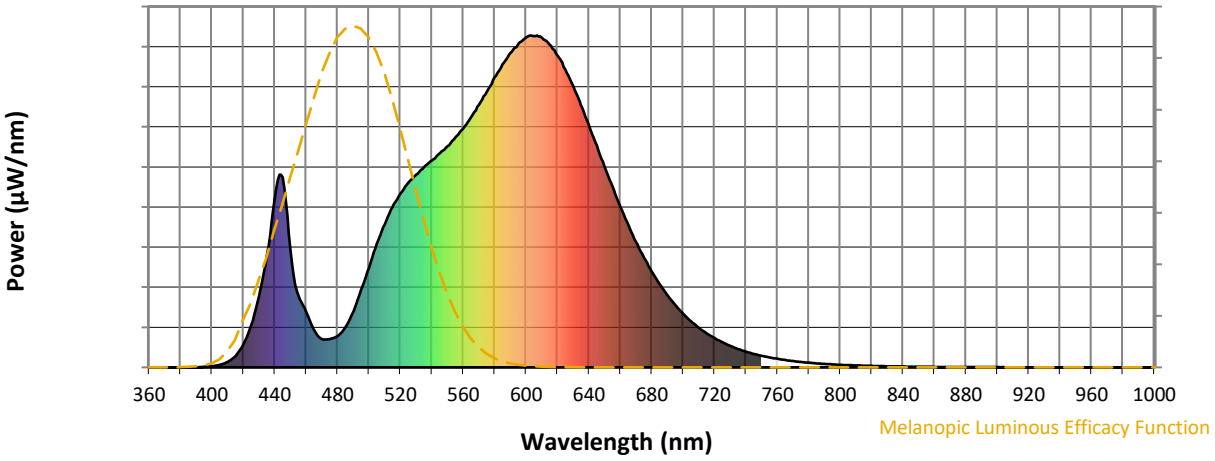
Melanopic Flux vs. Wavelength



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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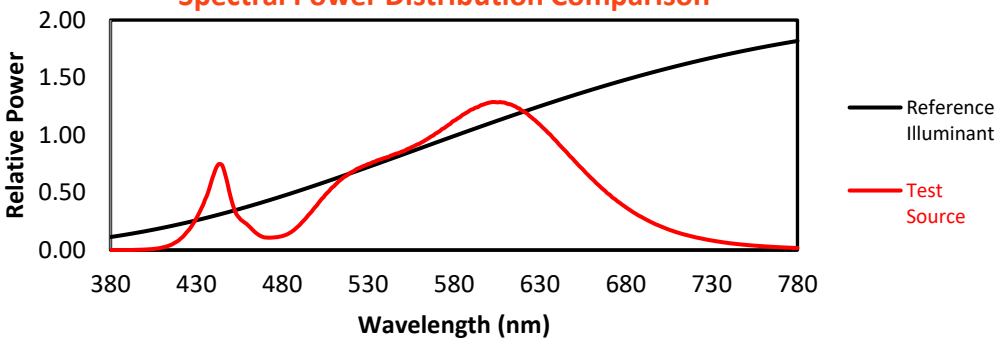
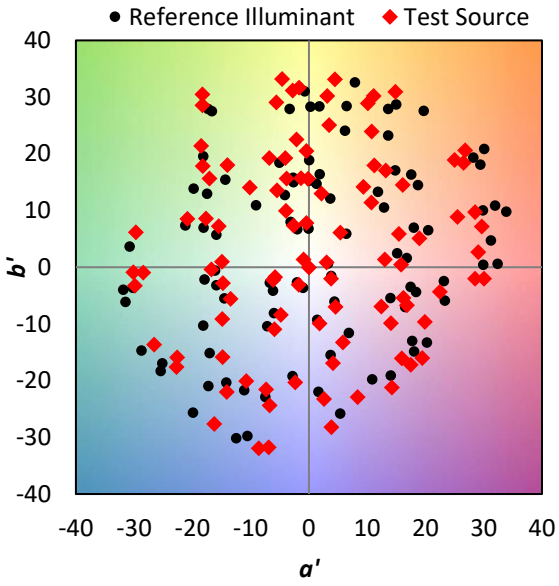
Summary

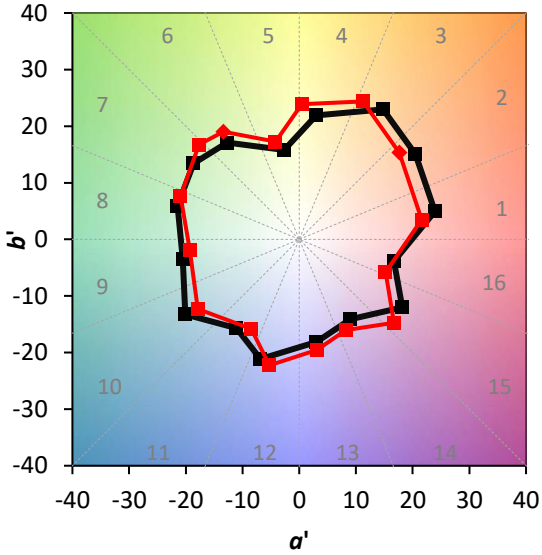
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

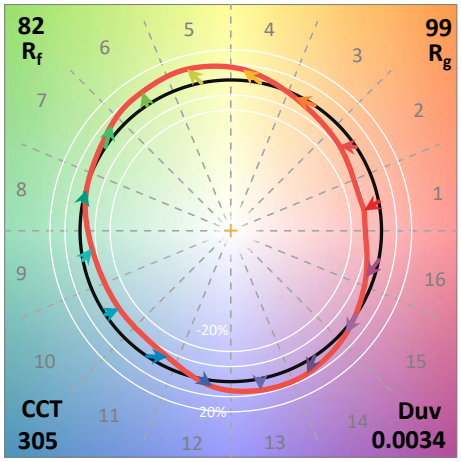
Spectral Power Distribution Comparison

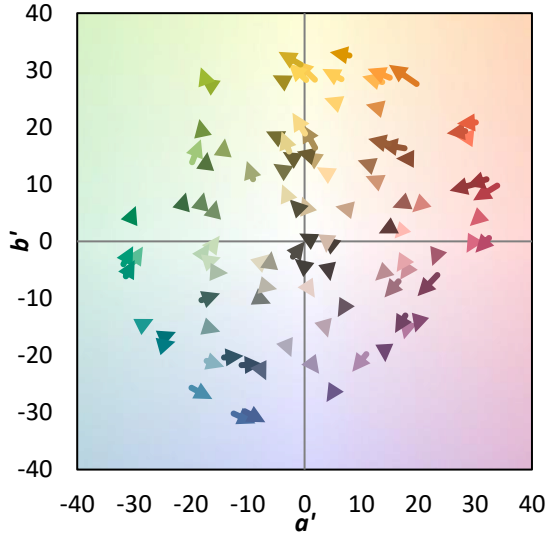


Color Vector Graphics









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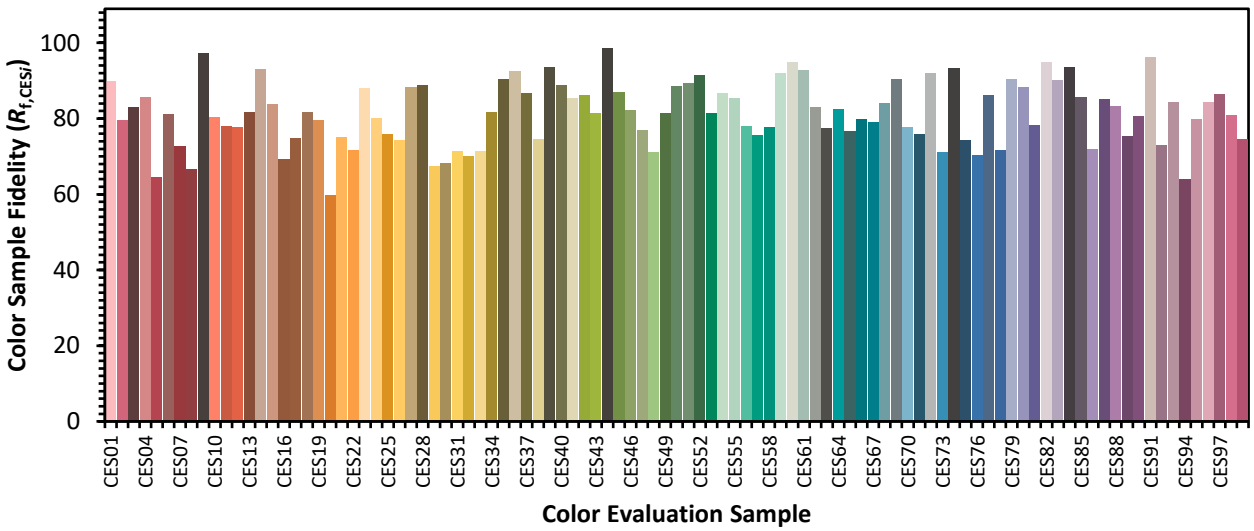
Individual Sample Fidelity Index ($R_{f,i}$)

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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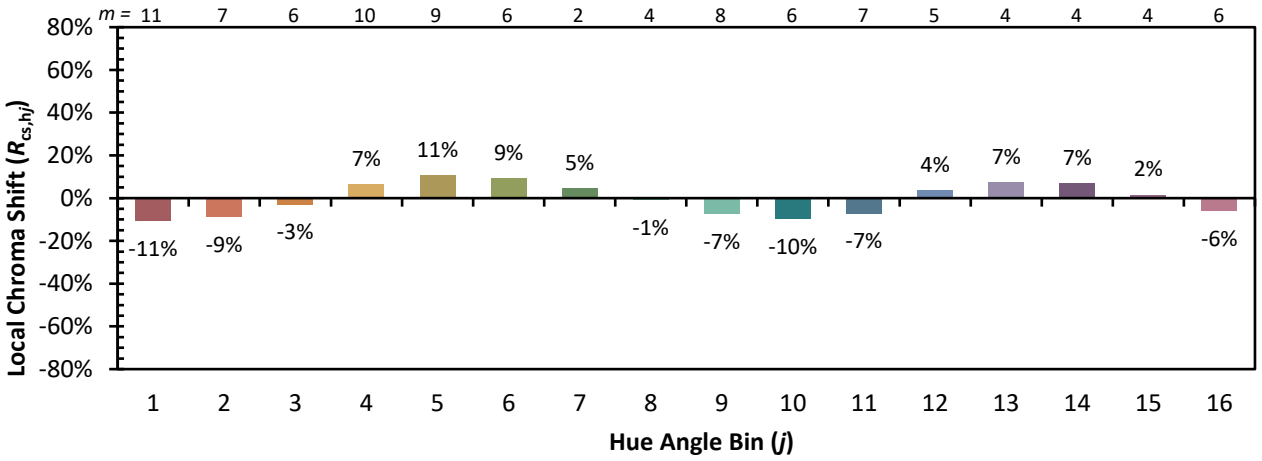
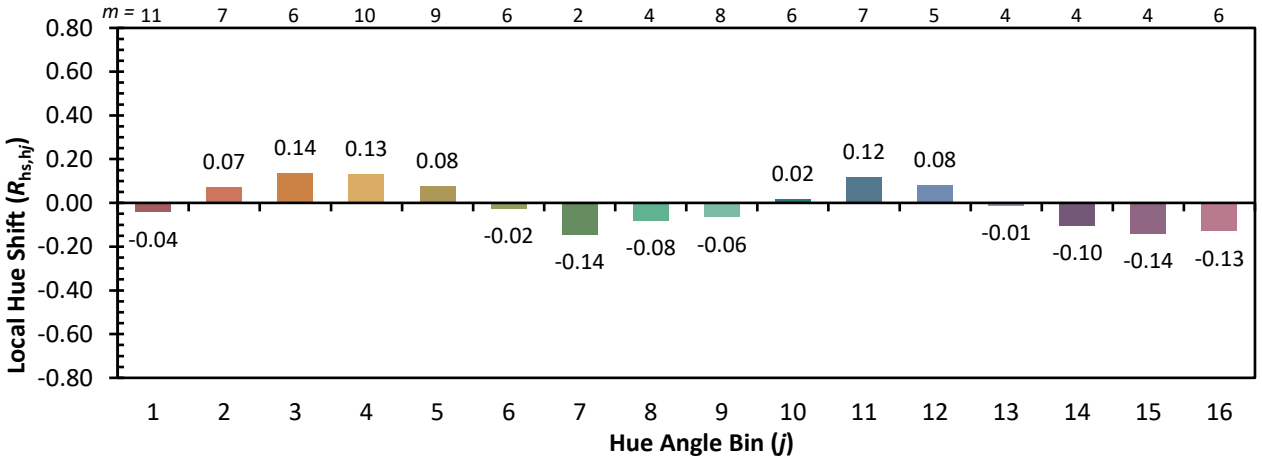
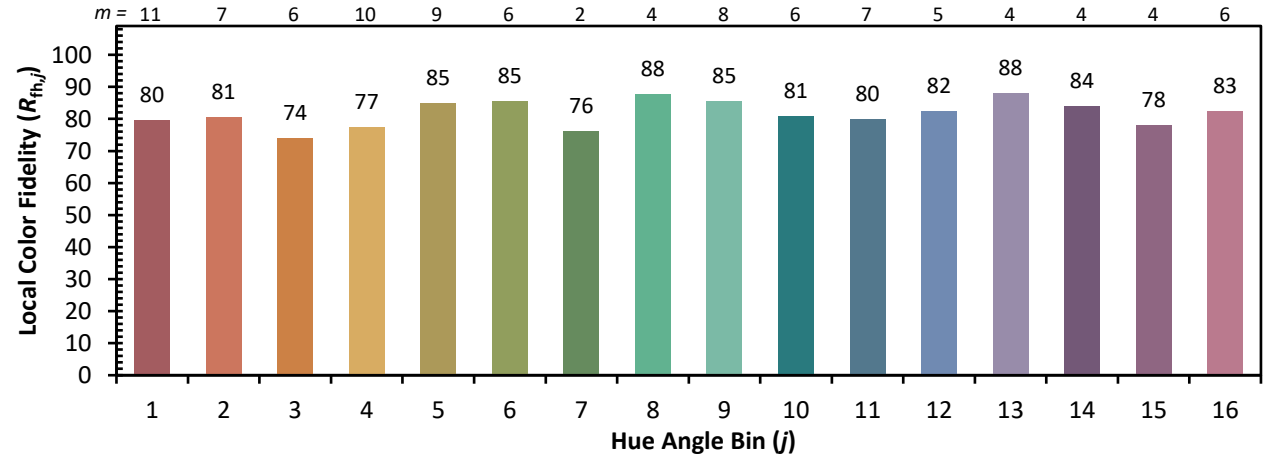
Color Rendition by Hue-Angle Bin







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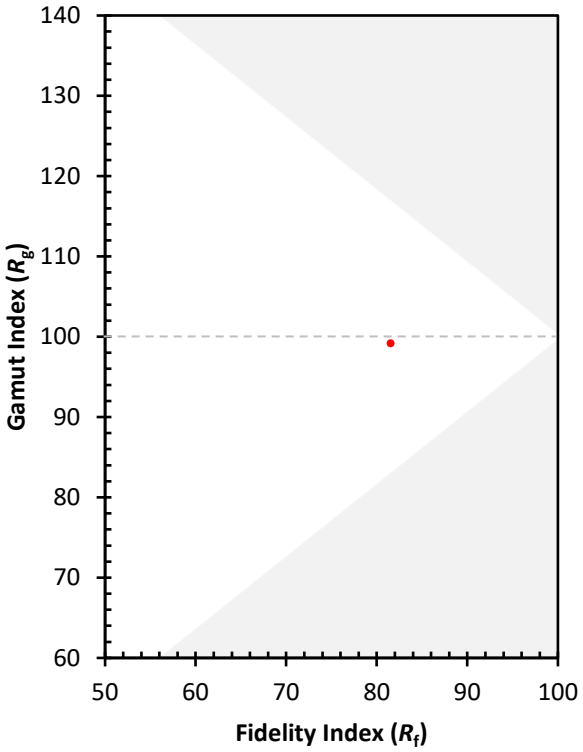
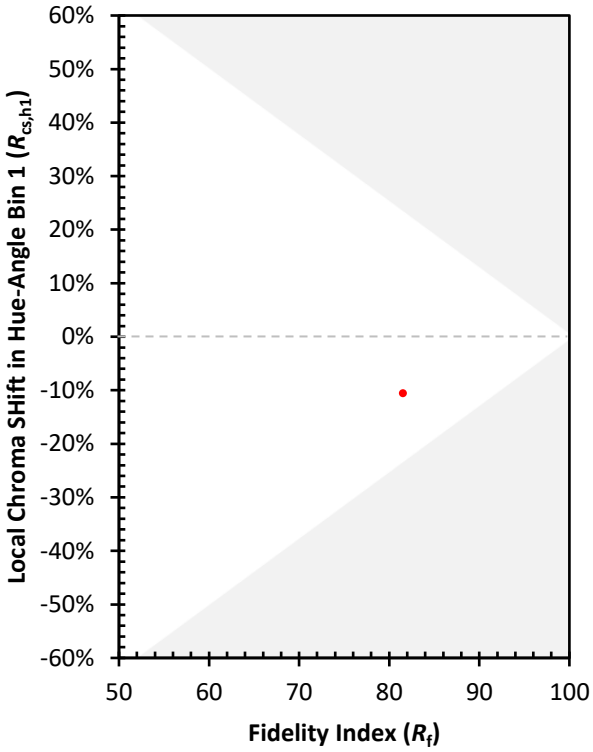
Measure Comparisons





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