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: P318884

Luminaire Tested: **GLEON-SA0B-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:	P318884
	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-SA0B-830-U-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 800mA 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:	45218 lumens
Efficiency:	N/A
Efficacy:	107.9 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B4 - U0 - G5

Input Watts (W):	419
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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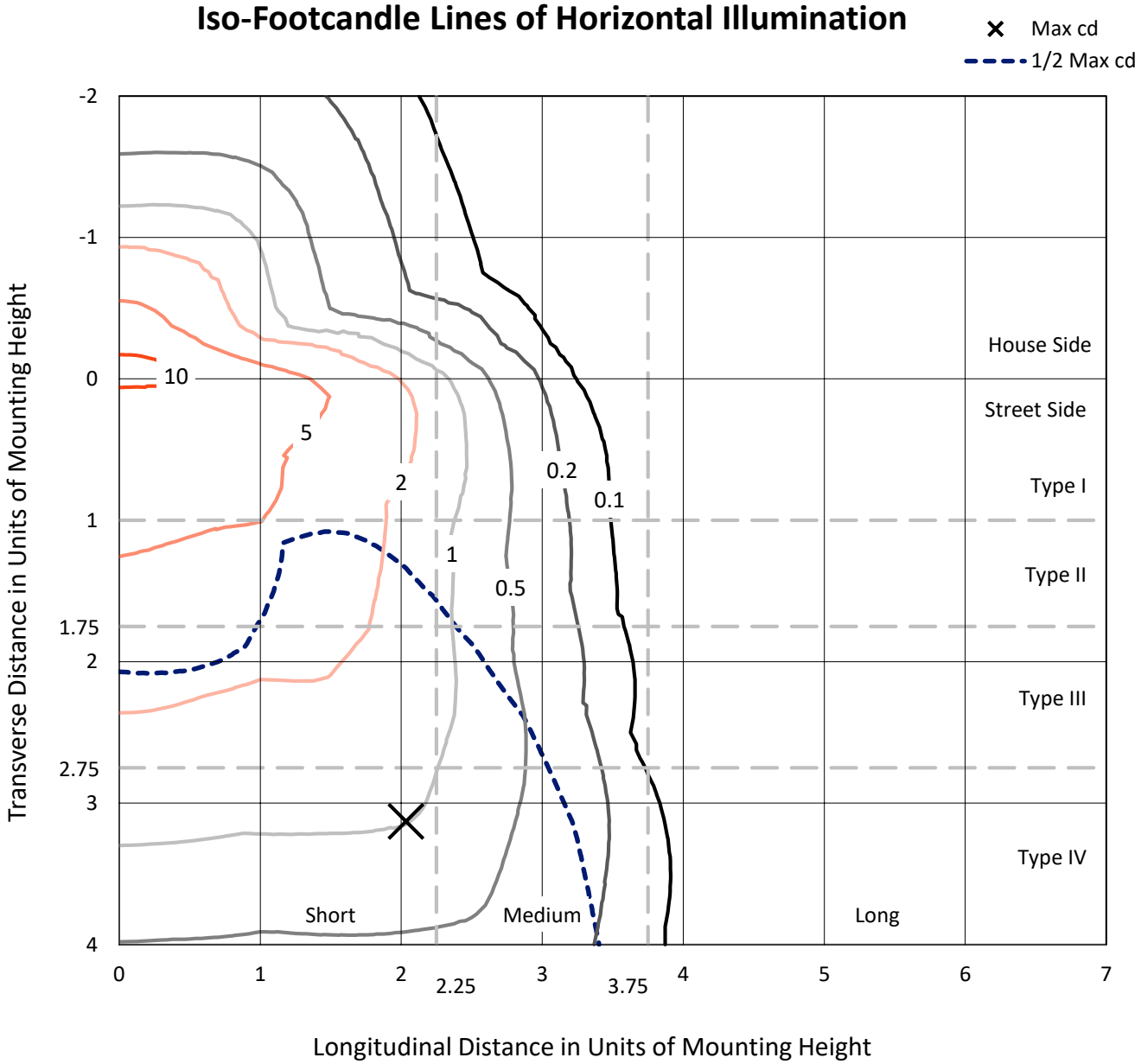
Scaled Data Report

REPORT NUMBER: P318884
CATALOG NUMBER: GLEON-SA0B-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
Type IV - Short - N/A

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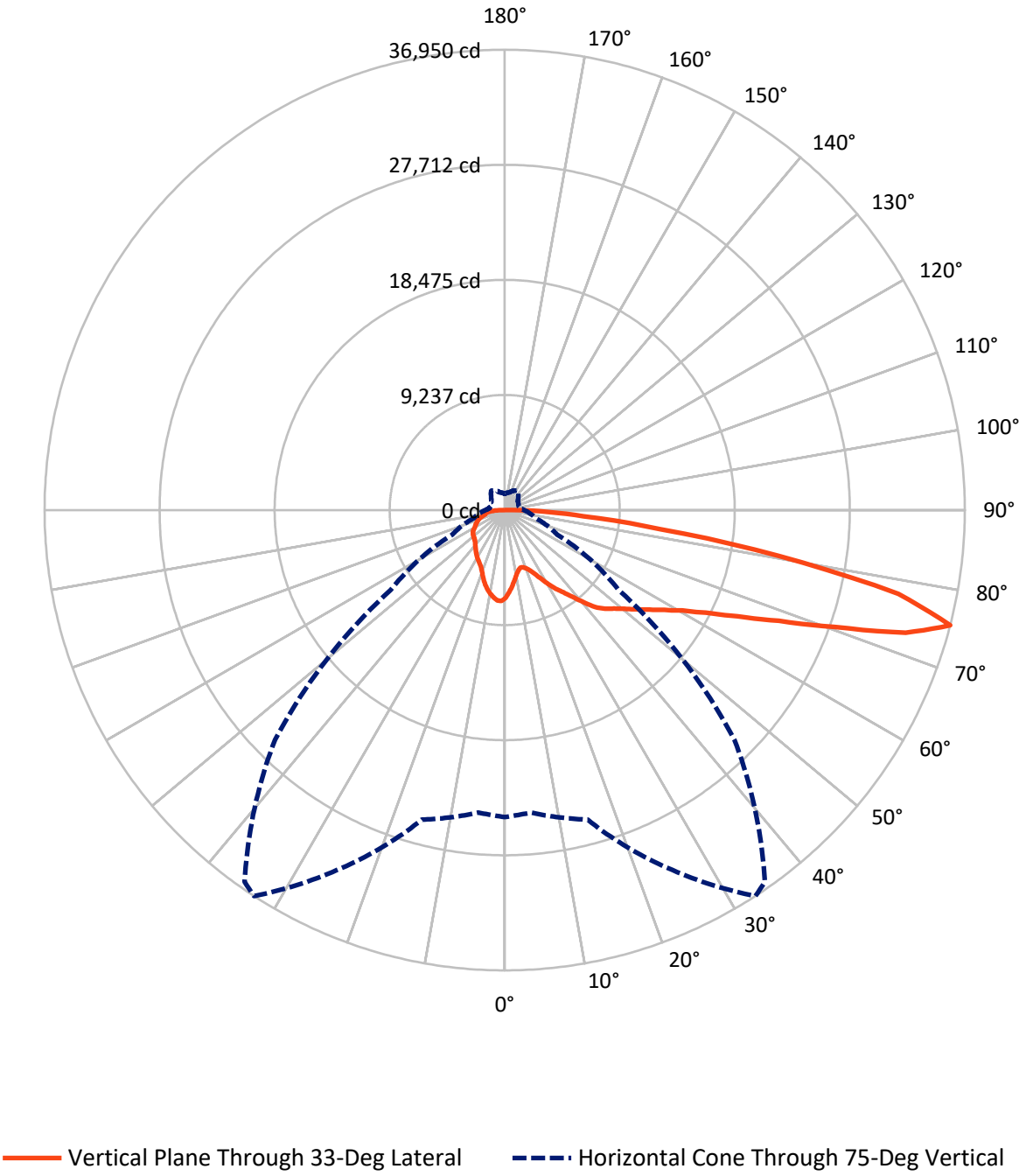
Luminous Intensity Polar Plot



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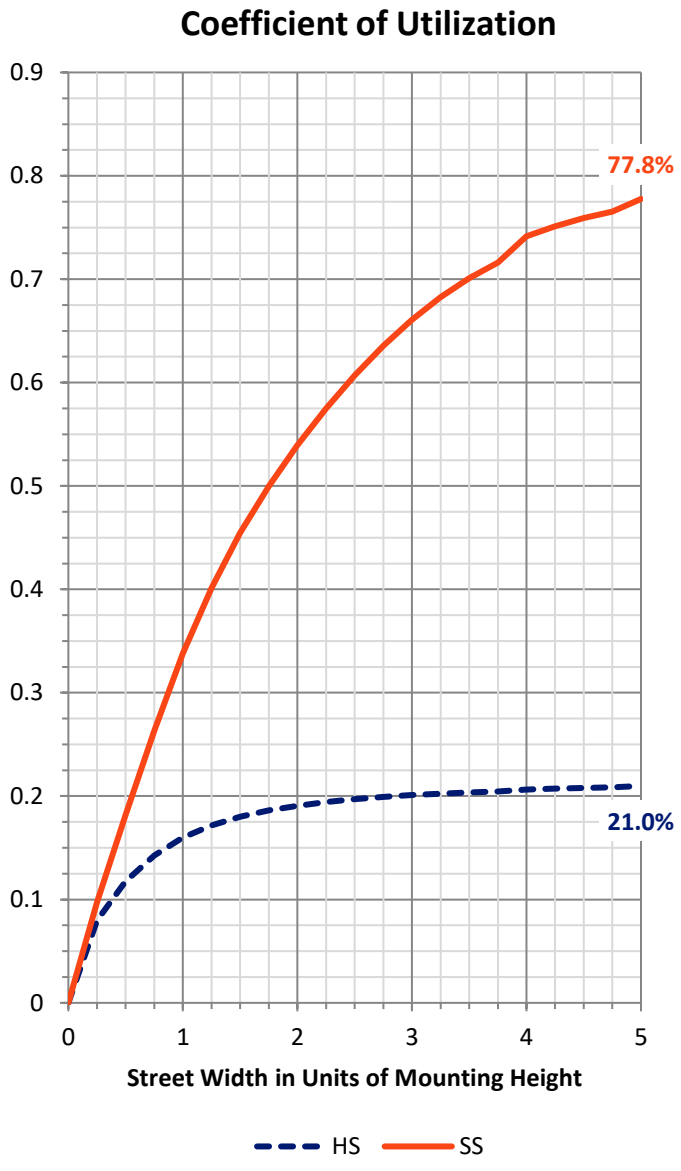
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9709.5	0.0	9709.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	35508.5	0.0	35508.5
	% Fixture	78.5	0.0	78.5
Total	Lumens	45218.0	0.0	45218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.2	1.4
10°-20°	1731.2	3.8
20°-30°	2827.3	6.3
30°-40°	4210.5	9.3
40°-50°	6039.1	13.4
50°-60°	8290.7	18.3
60°-70°	10379.6	23.0
70°-80°	9389.9	20.8
80°-90°	1710.4	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°	45218.0	100.0
0°-180°	45218.0	100.0



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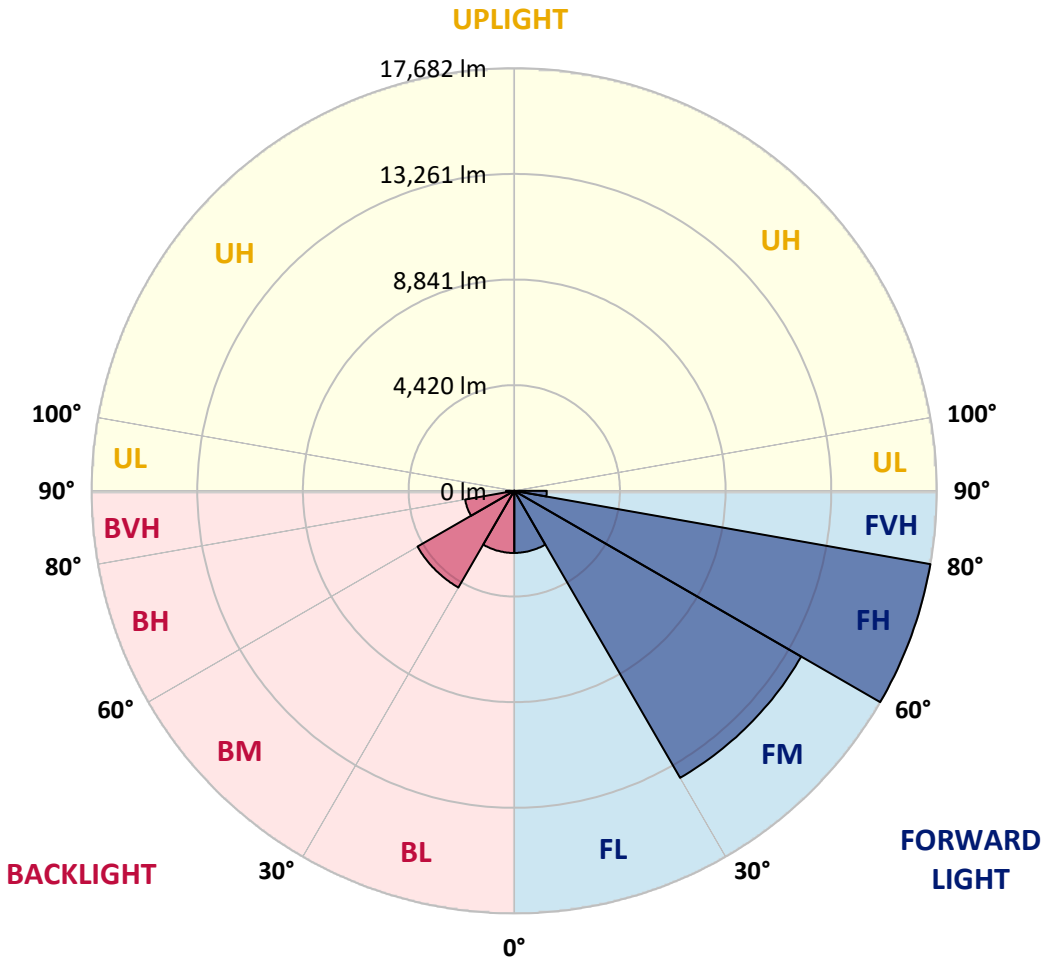
REPORT NUMBER: P318884
CATALOG NUMBER: GLEON-SA0B-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2597.1	5.7			
FM	(30°-60°)	13867.4	30.7			
FH	(60°-80°)	17681.8	39.1			G5
FVH	(80°-90°)	1362.2	3.0			G5
BL	(0°-30°)	2600.7	5.8	B4/5000		
BM	(30°-60°)	4672.9	10.3	B3/5000		
BH	(60°-80°)	2087.7	4.6	B3/2500		G3/2500
BVH	(80°-90°)	348.2	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: P318884
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8
2.5°	6563.3	6538.3	6585.2	6591.4	6632.0	6647.7	6703.9	6791.4	6863.2	6946.0	7021.0
5°	5968.2	5951.0	6016.6	6063.5	6152.5	6190.0	6322.8	6508.6	6674.2	6861.6	7031.9
7.5°	5402.8	5393.4	5466.8	5573.0	5676.1	5727.7	5957.3	6227.5	6504.0	6807.0	7067.8
10°	4926.4	4923.3	4993.6	5098.2	5249.7	5307.5	5604.3	5960.4	6347.8	6764.8	7128.7
12.5°	4659.3	4670.2	4703.0	4790.5	4931.1	4988.9	5318.4	5737.0	6216.6	6750.8	7217.8
15°	4724.9	4742.1	4685.9	4682.7	4782.7	4828.0	5137.3	5577.7	6122.8	6774.2	7347.4
17.5°	5004.5	5007.6	4859.2	4765.5	4826.4	4849.9	5081.0	5487.1	6068.2	6827.3	7509.9
20°	5398.1	5390.3	5127.9	4971.7	5004.5	5010.7	5160.7	5488.7	6063.5	6919.4	7720.7
22.5°	5919.8	5862.0	5509.0	5296.6	5288.8	5279.4	5365.3	5604.3	6132.2	7069.4	7972.2
25°	6600.8	6546.1	6060.4	5769.8	5707.4	5683.9	5696.4	5851.1	6268.1	7230.3	8253.3
27.5°	7358.3	7263.1	6794.5	6383.7	6254.1	6221.2	6146.3	6199.4	6416.5	7384.9	8587.6
30°	7992.5	7941.0	7531.7	7044.4	6891.3	6844.5	6647.7	6589.9	6630.5	7595.8	9009.3
32.5°	8347.1	8312.7	8064.4	7670.7	7528.6	7463.0	7185.0	7069.4	6974.1	7928.5	9581.0
35°	8776.6	8754.7	8604.8	8318.9	8108.1	8039.4	7823.8	7703.5	7458.3	8386.1	10319.8
37.5°	9323.3	9299.9	9303.0	9071.8	8820.3	8756.3	8614.2	8487.6	8086.2	8987.5	11122.7
40°	9941.8	9896.5	9879.3	9868.4	9709.1	9673.2	9598.2	9426.4	8873.4	9706.0	11914.6
42.5°	10872.7	10711.9	10368.2	10497.9	10655.6	10636.9	10697.8	10451.0	9748.1	10555.7	12687.7
45°	11770.9	11506.9	10913.3	10941.5	11286.7	11391.3	11847.4	11672.5	10696.2	11486.6	13487.4
47.5°	12180.1	11980.2	11475.7	11477.2	11819.3	12036.4	13036.0	12911.1	11692.8	12544.0	14463.7
50°	12637.7	12437.8	11984.8	12155.1	12453.4	12684.6	14184.1	14120.0	12640.9	13701.4	15633.6
52.5°	13137.6	12798.6	12511.2	12815.8	13234.4	13503.1	15333.7	15158.7	13510.9	14866.6	16978.4
55°	13143.8	13051.7	13270.3	13493.7	14120.0	14449.6	16537.9	16075.6	14220.0	16011.6	18073.3
57.5°	13892.0	13742.0	14205.9	14309.0	15127.5	15499.2	17736.0	16873.8	14941.6	16889.4	18663.7
60°	14882.3	14754.2	15133.7	15405.5	16373.9	16870.6	19015.2	17693.8	15508.6	17551.6	18635.6
62.5°	16592.6	16447.3	16442.7	16823.8	18128.0	18705.9	20450.6	18498.2	15733.5	17682.8	17840.6
65°	19096.4	18865.2	18429.5	18610.6	20550.6	21126.9	22054.7	19080.8	15436.8	16980.0	15792.9
67.5°	21533.1	21525.2	20989.5	21361.2	23749.5	24211.8	23882.2	19138.6	14510.5	14532.4	12159.8
70°	23961.9	23993.1	23902.5	25195.8	28071.4	28552.5	25828.4	18362.3	12428.4	10494.7	7284.9
72.5°	25886.2	25878.4	26334.5	29669.3	33680.3	33572.6	27468.5	16010.0	8923.4	5665.2	3481.6
75°	24639.8	24368.0	25726.9	31884.1	36949.5	36423.1	26073.6	11167.9	4631.2	2578.8	1874.3
77.5°	16070.9	16328.6	18323.2	26339.2	32319.9	31679.5	19129.2	5210.7	2182.0	1691.6	1358.9
80°	5819.8	6091.6	8579.8	14919.8	22267.2	22162.5	9420.1	2141.4	1476.0	1277.7	990.3
82.5°	2002.4	2102.4	3384.7	6625.8	12572.1	13040.7	3544.1	1216.8	1073.1	905.9	677.9
85°	785.7	899.7	1547.9	3187.9	6341.5	6388.4	1435.4	727.9	746.6	593.5	371.7
87.5°	298.3	362.4	740.4	1480.7	2895.9	2660.0	513.9	346.8	424.9	353.0	176.5
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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CATALOG NUMBER: GLEON-SA0B-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8	7067.8
2.5°	7078.8	7111.6	7180.3	7227.1	7277.1	7291.2	7297.4	7309.9	7322.4	7317.7	7319.3
5°	7122.5	7186.5	7297.4	7344.3	7366.2	7341.2	7292.7	7253.7	7225.6	7210.0	7205.3
7.5°	7194.3	7284.9	7403.6	7395.8	7345.9	7235.0	7110.0	7016.3	6938.2	6910.1	6894.5
10°	7289.6	7395.8	7478.6	7389.6	7244.3	7052.2	6864.8	6719.5	6602.4	6557.1	6549.3
12.5°	7411.5	7519.2	7534.9	7345.9	7105.3	6842.9	6588.3	6396.2	6221.2	6165.0	6152.5
15°	7569.2	7670.7	7573.9	7269.3	6933.5	6580.5	6250.9	5990.1	5805.8	5737.0	5712.1
17.5°	7734.8	7831.6	7581.7	7142.8	6708.6	6269.7	5855.8	5588.7	5377.8	5298.1	5288.8
20°	7933.1	7976.9	7548.9	6961.6	6399.3	5866.7	5430.9	5179.4	5067.0	5010.7	5004.5
22.5°	8178.4	8131.5	7473.9	6716.4	6007.3	5401.2	5046.7	4929.5	4901.4	4888.9	4893.6
25°	8437.7	8294.0	7363.0	6396.2	5512.1	4935.8	4765.5	4798.3	4835.8	4831.1	4831.1
27.5°	8723.5	8459.5	7192.8	5971.3	4963.9	4554.6	4575.0	4695.2	4751.5	4749.9	4748.3
30°	9090.6	8647.0	6975.7	5460.6	4451.6	4286.0	4409.4	4556.2	4632.7	4629.6	4631.2
32.5°	9542.0	8853.1	6680.5	4890.5	4081.4	4087.6	4229.8	4375.0	4464.1	4456.2	4457.8
35°	10069.9	9084.3	6280.6	4328.2	3836.2	3929.9	4042.3	4143.9	4228.2	4217.3	4206.3
37.5°	10644.7	9310.8	5749.5	3825.2	3636.2	3783.0	3876.8	3893.9	3933.0	3904.9	3884.6
40°	11191.4	9484.2	5065.4	3412.9	3434.7	3658.1	3719.0	3650.3	3580.0	3570.6	3542.5
42.5°	11667.8	9542.0	4373.5	3083.3	3222.3	3526.9	3564.4	3420.7	3294.2	3234.8	3209.8
45°	12170.7	9562.3	3728.4	2806.8	3017.7	3409.7	3450.3	3258.2	3080.2	2952.1	2909.9
47.5°	12828.3	9709.1	3227.0	2602.2	2861.5	3331.6	3389.4	3128.6	2897.4	2714.7	2675.6
50°	13688.9	9999.6	2819.3	2446.0	2760.0	3280.1	3345.7	3002.1	2747.5	2527.2	2488.2
52.5°	14644.8	10266.7	2489.7	2319.5	2661.6	3189.5	3289.5	2911.5	2606.9	2353.9	2311.7
55°	15313.4	10062.1	2224.2	2188.3	2533.5	3059.9	3211.4	2834.9	2405.4	2185.2	2147.7
57.5°	15441.4	9362.3	2022.7	2052.4	2378.9	2897.4	3091.1	2664.7	2296.1	2111.8	2072.7
60°	15091.6	8387.7	1872.8	1927.4	2213.3	2692.8	2866.2	2544.4	2191.4	2033.7	2000.9
62.5°	14212.2	7389.6	1761.9	1815.0	2058.7	2485.1	2725.6	2417.9	2085.2	1944.6	1911.8
65°	12436.3	6204.1	1655.7	1715.0	1915.0	2305.4	2599.1	2300.8	1980.6	1872.8	1841.5
67.5°	9387.3	4646.8	1555.7	1608.8	1786.9	2149.2	2461.6	2185.2	1879.0	1810.3	1772.8
70°	5527.7	2909.9	1441.7	1497.9	1652.5	1986.8	2314.8	2058.7	1752.5	1721.3	1672.8
72.5°	2572.5	1750.9	1312.0	1366.7	1483.9	1769.7	2125.8	1893.1	1602.6	1533.8	1468.2
75°	*1535.4*	*1280.8*	*1159.0*	*1207.4*	*1290.2*	*1538.5*	*1888.4*	*1724.4*	*1460.4*	*1369.8*	*1301.1*
77.5°	1148.0	979.3	990.3	1041.8	1109.0	1346.4	1672.8	1591.6	1351.1	1280.8	1233.9
80°	826.3	743.5	807.5	863.8	934.0	1224.6	1602.6	1471.4	1221.4	1127.7	1084.0
82.5°	551.4	534.2	607.6	665.4	734.1	1071.5	1505.7	1288.6	1043.4	924.7	827.8
85°	304.6	321.8	409.2	434.2	493.6	754.4	1233.9	1035.6	785.7	632.6	604.5
87.5°	126.5	148.4	220.2	212.4	262.4	449.8	812.2	624.8	499.8	373.3	290.5
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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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

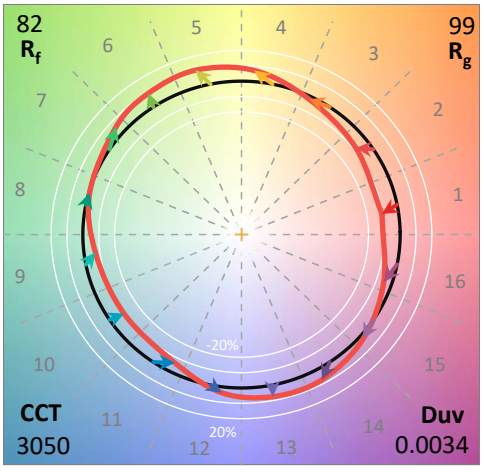
Test Information

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

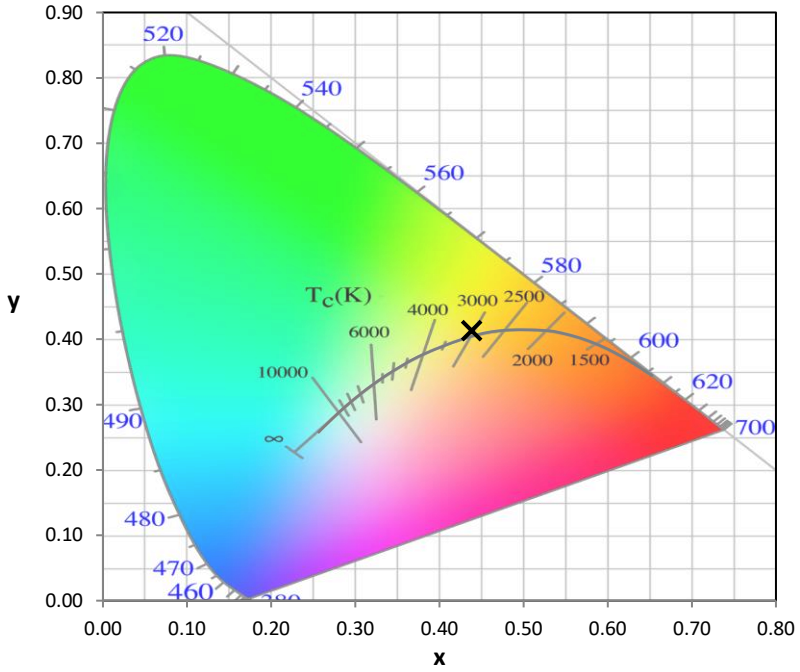
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

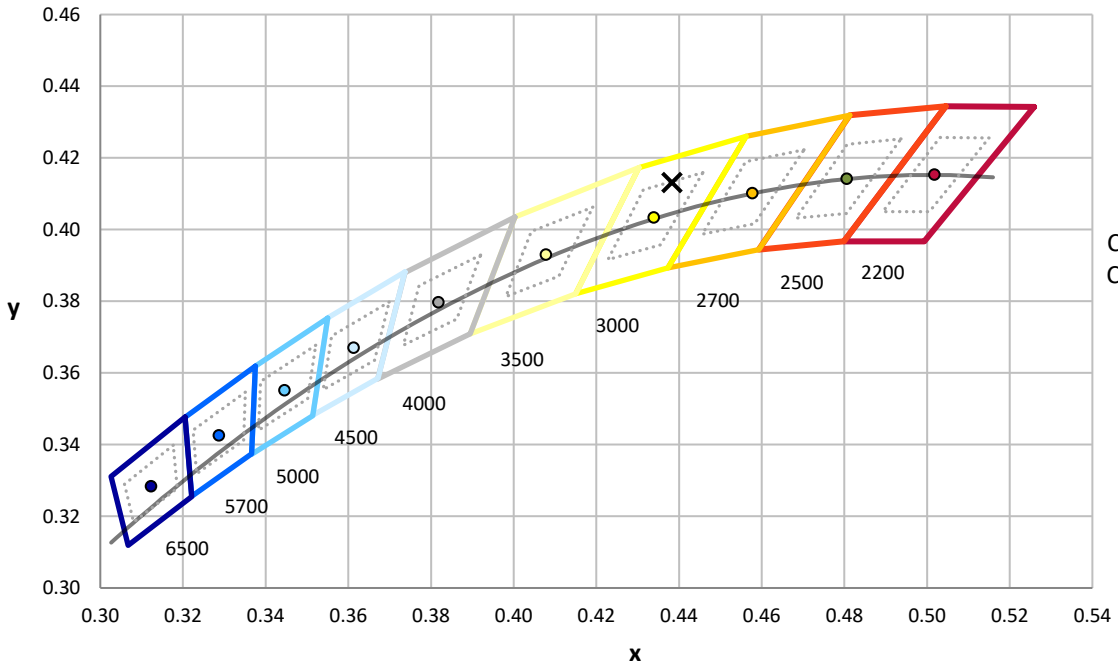
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

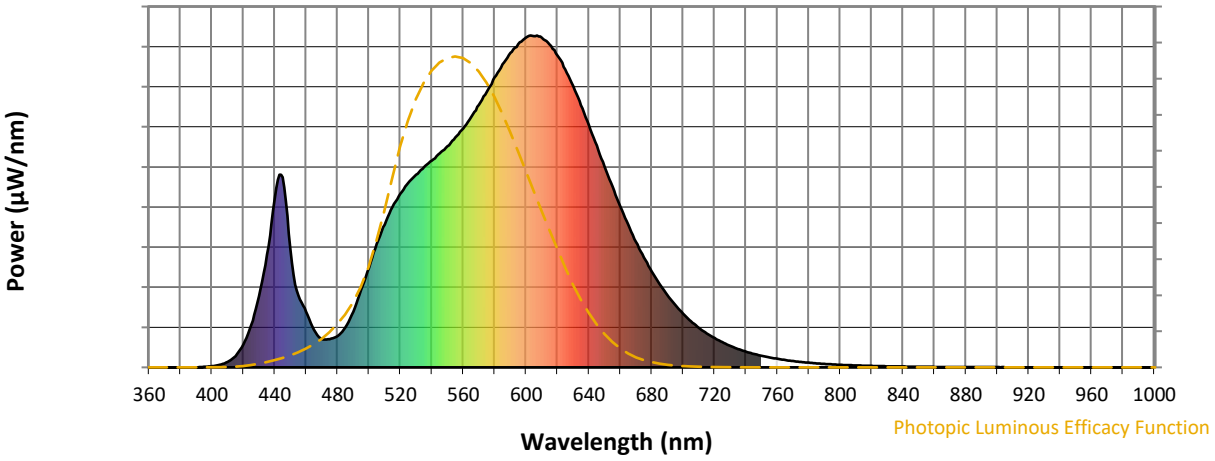


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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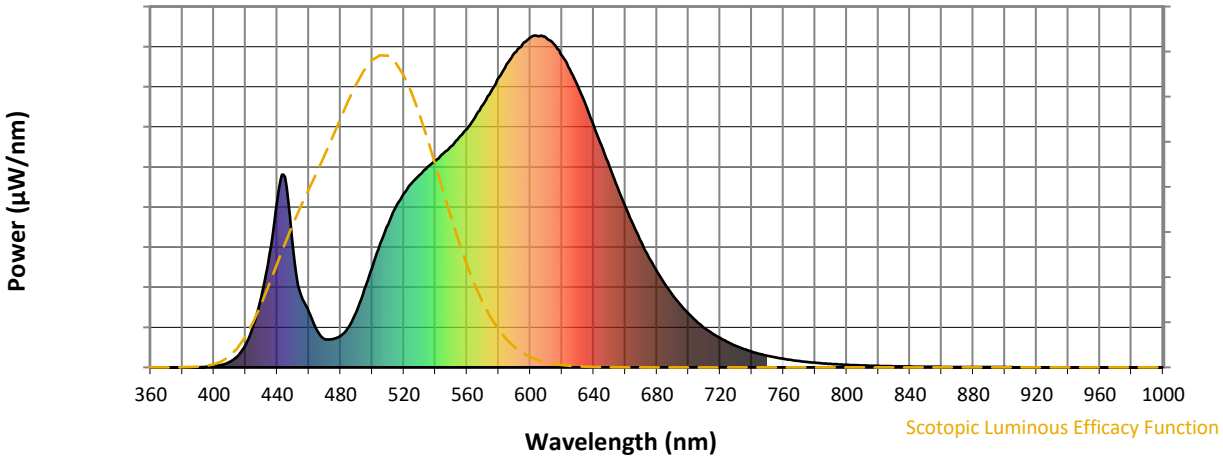
Scotopic Flux vs. Wavelength



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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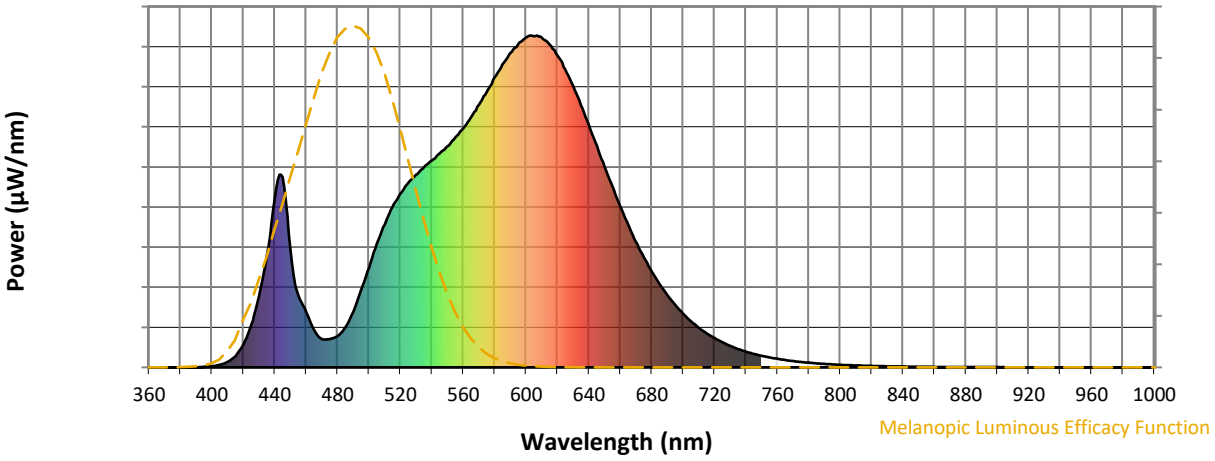
Melanopic Flux vs. Wavelength



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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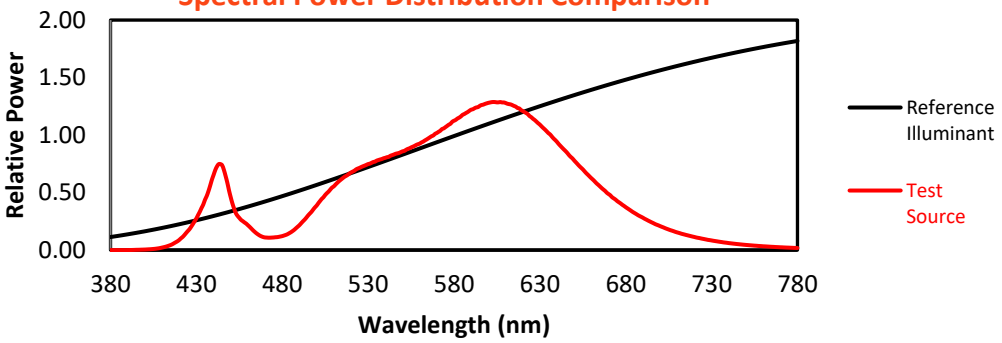
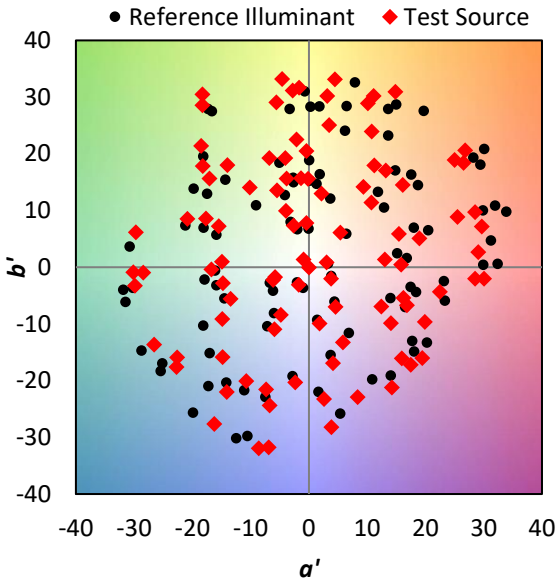
Summary

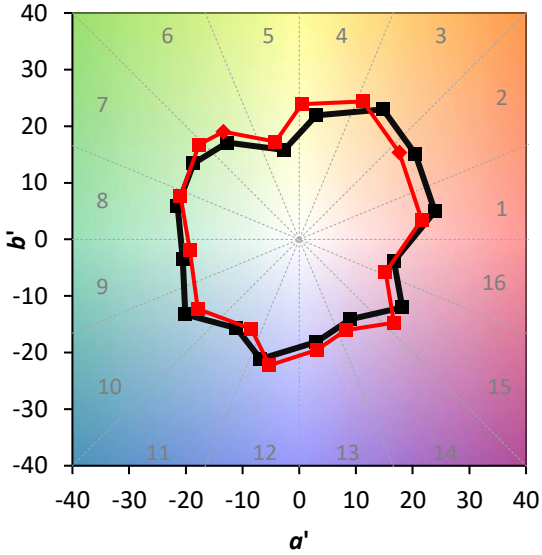
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

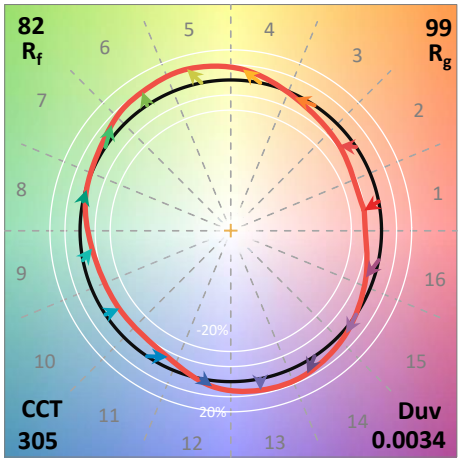
Spectral Power Distribution Comparison

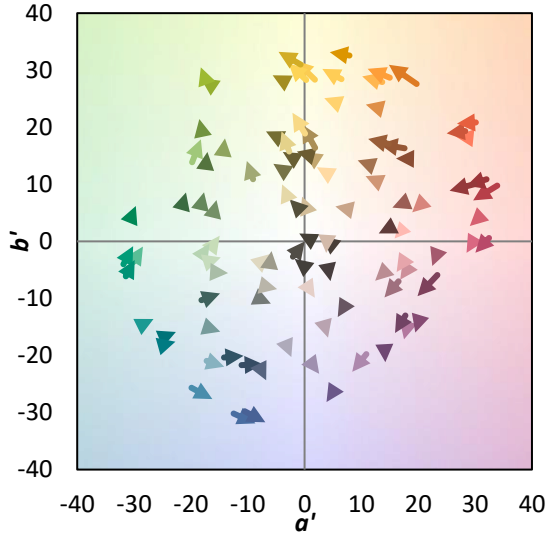


Color Vector Graphics









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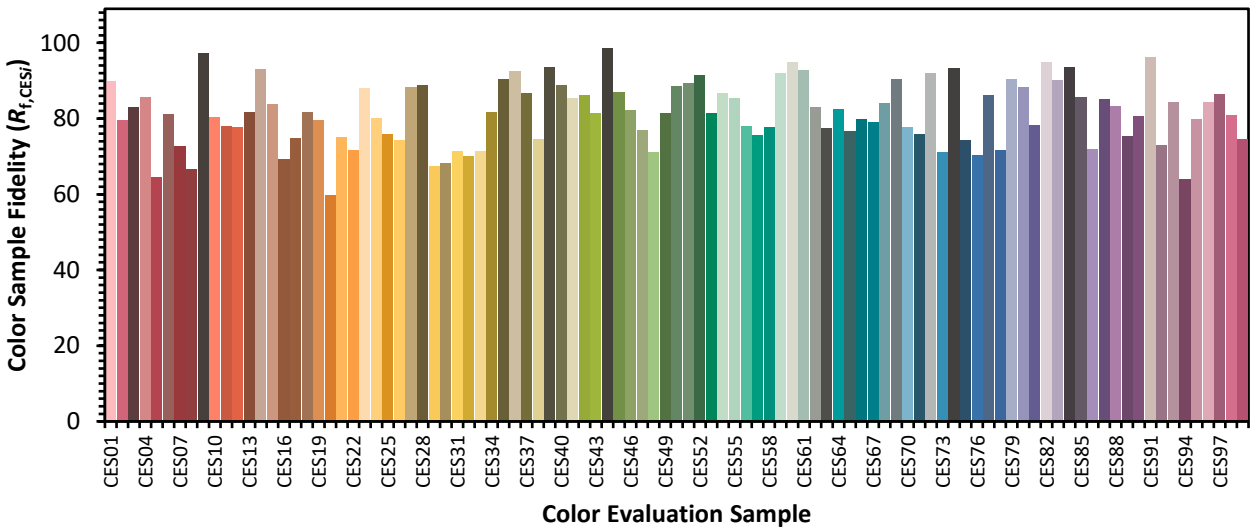
Individual Sample Fidelity Index ($R_{f,i}$)

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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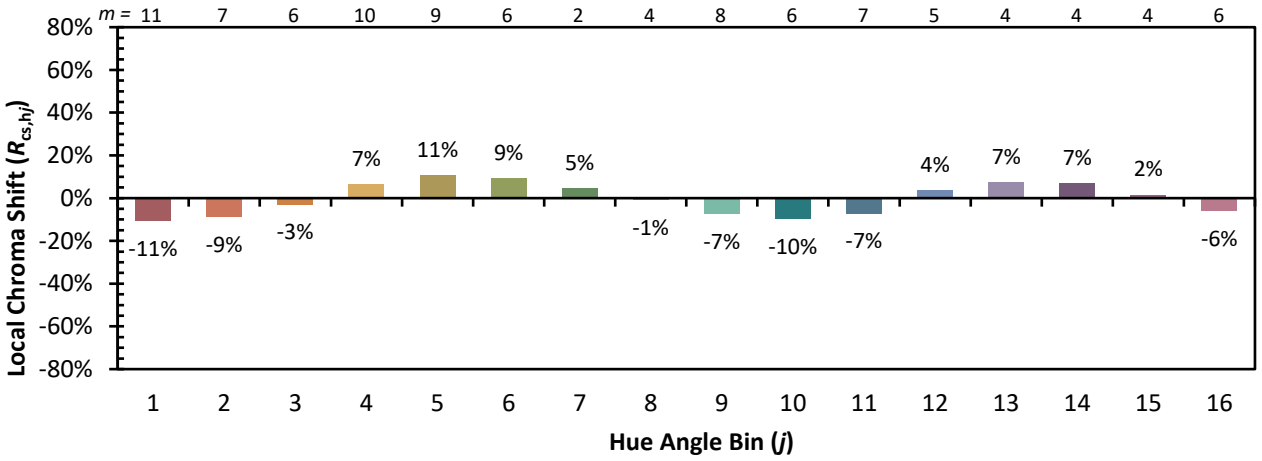
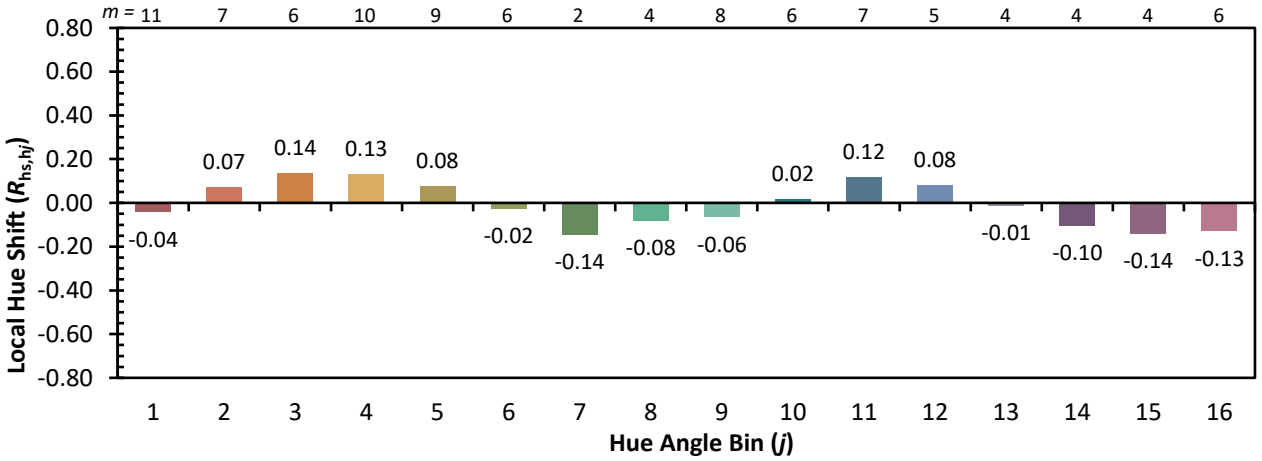
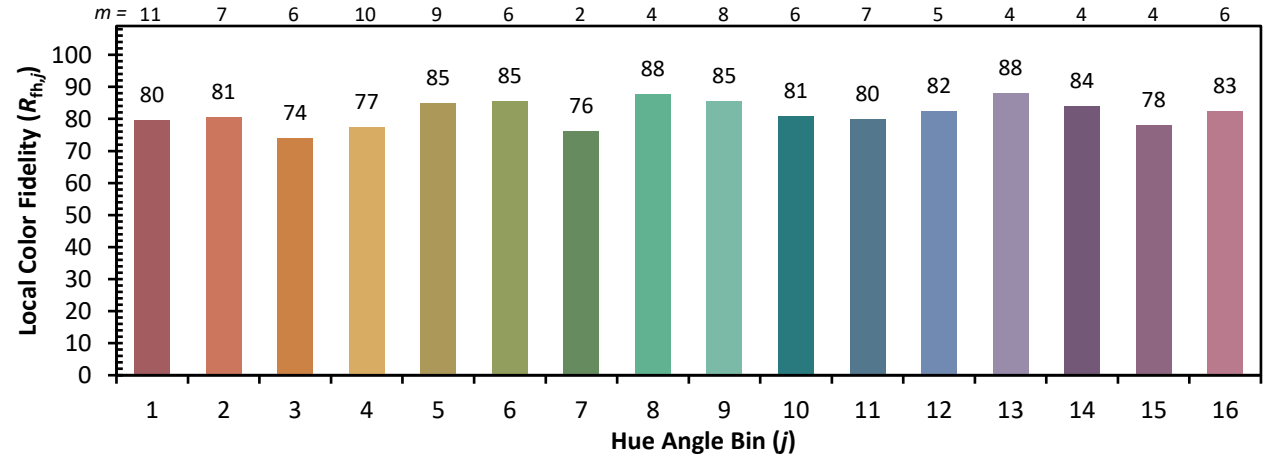
Color Rendition by Hue-Angle Bin







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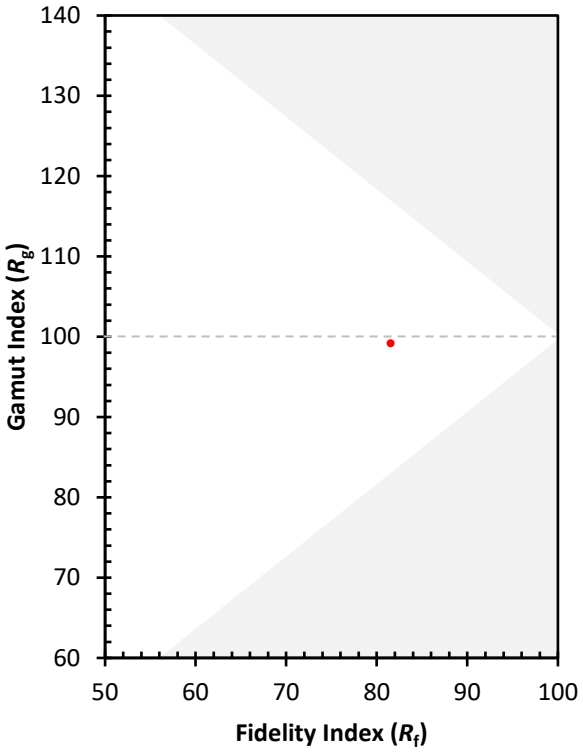
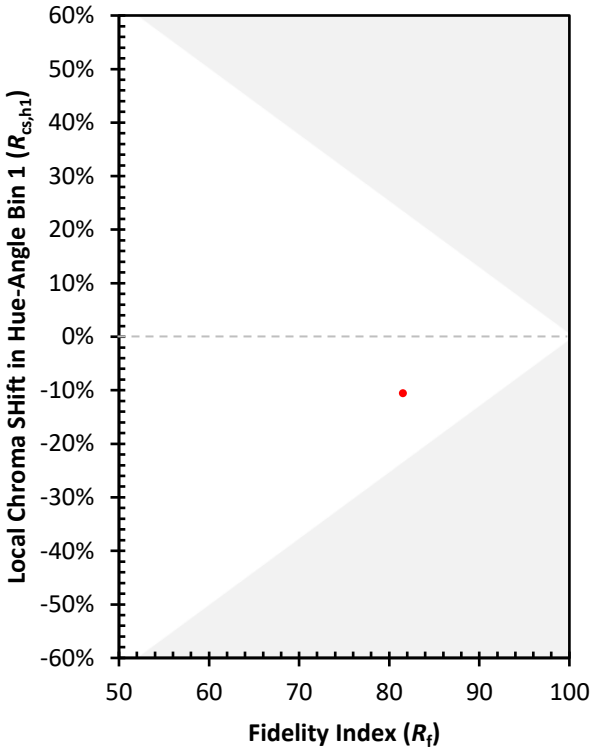
Measure Comparisons





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