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: P318882

Luminaire Tested: **GLEON-SA8B-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:	P318882
	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-SA8B-830-U-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 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:	36612 lumens
Efficiency:	N/A
Efficacy:	109.6 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	334
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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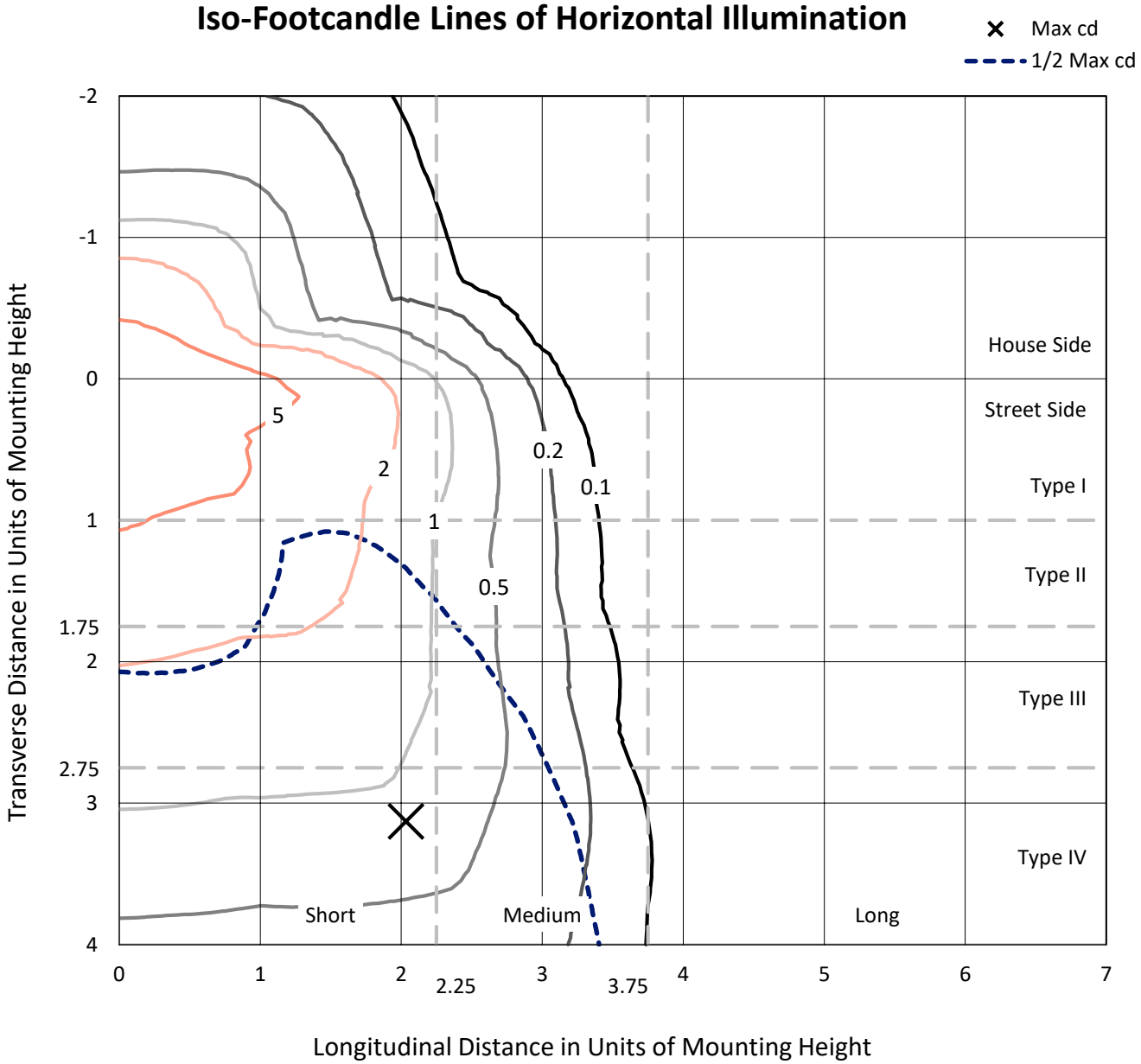
Scaled Data Report

REPORT NUMBER: P318882
CATALOG NUMBER: GLEON-SA8B-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type IV - Short - N/A

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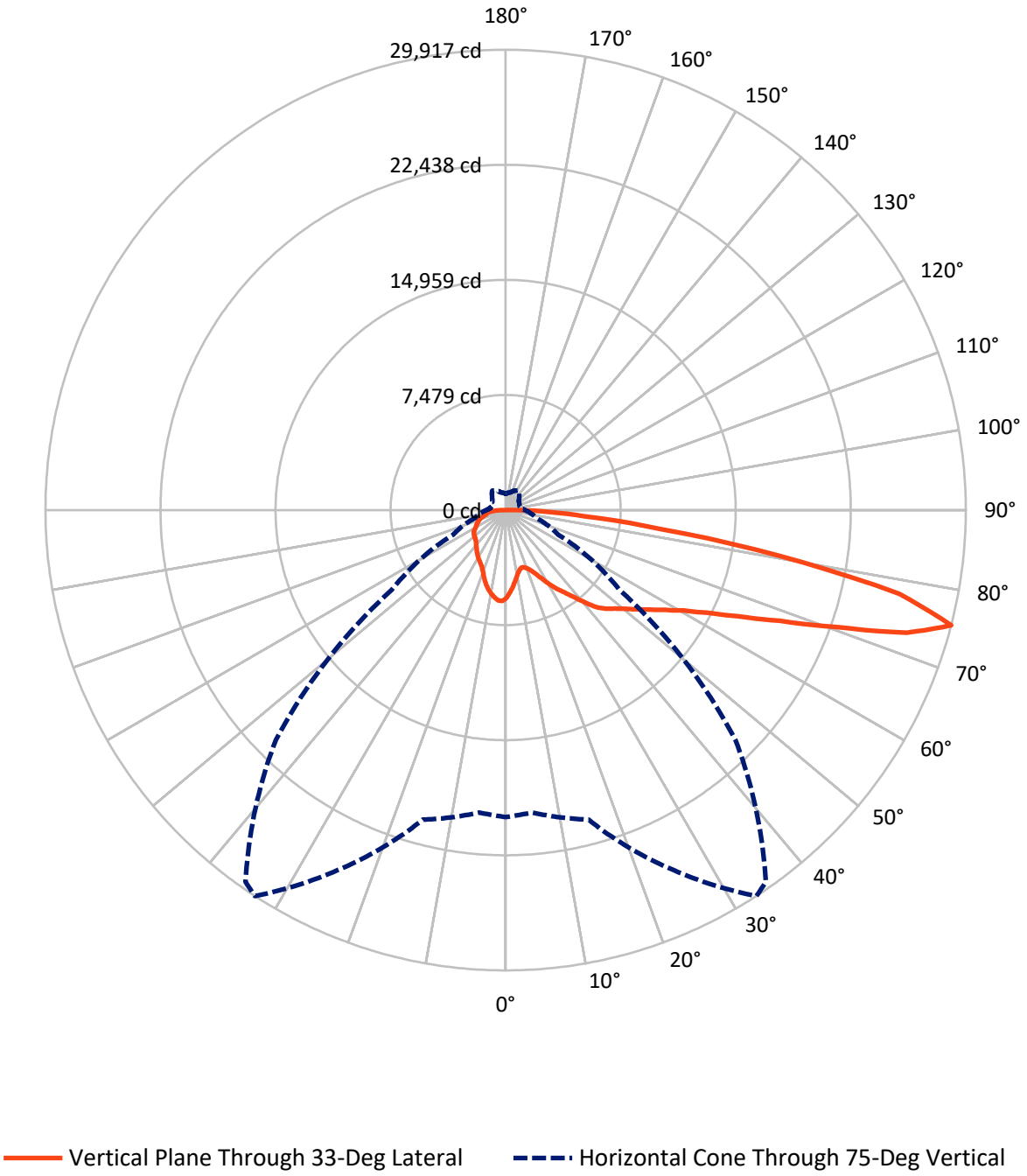
Luminous Intensity Polar Plot



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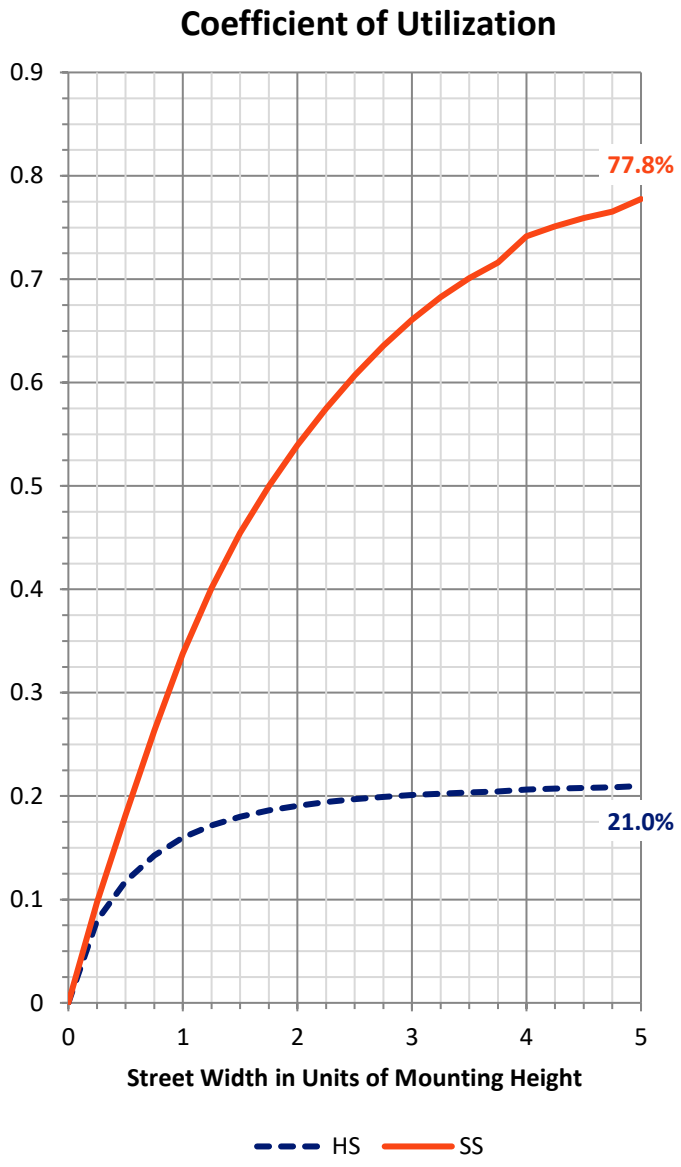
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7861.6	0.0	7861.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	28750.4	0.0	28750.4
	% Fixture	78.5	0.0	78.5
Total	Lumens	36612.0	0.0	36612.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.5	1.4
10°-20°	1401.7	3.8
20°-30°	2289.2	6.3
30°-40°	3409.2	9.3
40°-50°	4889.7	13.4
50°-60°	6712.8	18.3
60°-70°	8404.1	23.0
70°-80°	7602.8	20.8
80°-90°	1384.9	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°	36612.0	100.0
0°-180°	36612.0	100.0



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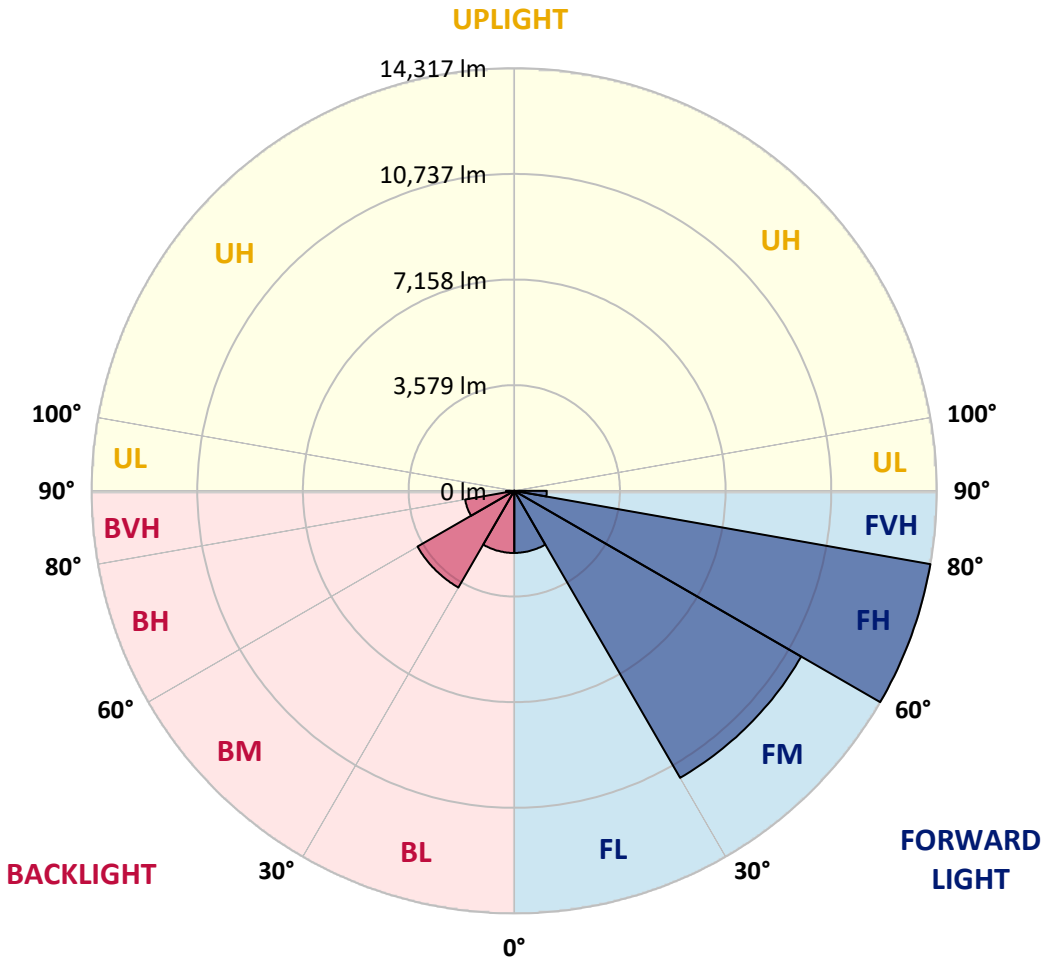
REPORT NUMBER: P318882
CATALOG NUMBER: GLEON-SA8B-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2102.8	5.7			
FM	(30°-60°)	11228.1	30.7			
FH	(60°-80°)	14316.6	39.1			G5
FVH	(80°-90°)	1102.9	3.0			G5
BL	(0°-30°)	2105.7	5.8	B3/2500		
BM	(30°-60°)	3783.5	10.3	B3/5000		
BH	(60°-80°)	1690.4	4.6	B3/2500		G3/2500
BVH	(80°-90°)	281.9	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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Scaled Data Report

REPORT NUMBER: P318882
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7
2.5°	5314.2	5293.9	5331.9	5336.9	5369.8	5382.5	5428.0	5498.8	5557.0	5624.0	5684.7
5°	4832.3	4818.4	4871.5	4909.5	4981.6	5011.9	5119.4	5269.9	5404.0	5555.7	5693.6
7.5°	4374.5	4366.9	4426.4	4512.4	4595.8	4637.6	4823.5	5042.3	5266.1	5511.5	5722.7
10°	3988.8	3986.3	4043.2	4127.9	4250.6	4297.4	4537.7	4826.0	5139.6	5477.3	5772.0
12.5°	3772.5	3781.4	3807.9	3878.8	3992.6	4039.4	4306.2	4645.2	5033.4	5465.9	5844.1
15°	3825.6	3839.6	3794.0	3791.5	3872.4	3909.1	4159.5	4516.2	4957.5	5484.9	5949.0
17.5°	4052.0	4054.6	3934.4	3858.5	3907.9	3926.8	4114.0	4442.8	4913.3	5527.9	6080.6
20°	4370.7	4364.4	4151.9	4025.5	4052.0	4057.1	4178.5	4444.1	4909.5	5602.5	6251.3
22.5°	4793.1	4746.3	4460.5	4288.5	4282.2	4274.6	4344.2	4537.7	4965.1	5723.9	6454.9
25°	5344.5	5300.3	4906.9	4671.7	4621.1	4602.2	4612.3	4737.5	5075.1	5854.2	6682.6
27.5°	5957.9	5880.7	5501.3	5168.7	5063.8	5037.2	4976.5	5019.5	5195.3	5979.4	6953.2
30°	6471.3	6429.6	6098.3	5703.7	5579.8	5541.8	5382.5	5335.7	5368.6	6150.1	7294.7
32.5°	6758.4	6730.6	6529.5	6210.8	6095.7	6042.6	5817.5	5723.9	5646.8	6419.5	7757.5
35°	7106.2	7088.5	6967.1	6735.7	6564.9	6509.3	6334.8	6237.4	6038.8	6790.0	8355.7
37.5°	7548.9	7529.9	7532.4	7345.2	7141.6	7089.8	6974.7	6872.3	6547.2	7276.9	9005.8
40°	8049.7	8013.0	7999.1	7990.2	7861.2	7832.1	7771.4	7632.3	7184.6	7858.7	9647.0
42.5°	8803.4	8673.2	8394.9	8499.9	8627.6	8612.4	8661.8	8462.0	7892.8	8546.7	10273.0
45°	9530.6	9316.9	8836.3	8859.1	9138.6	9223.3	9592.6	9450.9	8660.5	9300.4	10920.5
47.5°	9861.9	9700.1	9291.6	9292.8	9569.8	9745.6	10555.0	10453.8	9467.4	10156.6	11710.9
50°	10232.5	10070.6	9703.9	9841.7	10083.3	10270.4	11484.5	11432.7	10235.0	11093.7	12658.1
52.5°	10637.2	10362.8	10130.1	10376.7	10715.6	10933.1	12415.3	12273.7	10939.5	12037.2	13747.0
55°	10642.3	10567.6	10744.7	10925.5	11432.7	11699.5	13390.4	13016.0	11513.6	12964.2	14633.6
57.5°	11248.0	11126.6	11502.2	11585.7	12248.4	12549.4	14360.4	13662.3	12097.9	13674.9	15111.6
60°	12049.8	11946.1	12253.4	12473.5	13257.6	13659.8	15396.2	14326.3	12557.0	14211.2	15088.9
62.5°	13434.7	13317.0	13313.2	13621.8	14677.8	15145.8	16558.4	14977.6	12739.1	14317.4	14445.1
65°	15461.9	15274.8	14921.9	15068.6	16639.3	17106.0	17857.2	15449.3	12498.8	13748.3	12787.1
67.5°	17434.8	17428.5	16994.7	17295.7	19229.4	19603.7	19336.9	15496.1	11748.8	11766.5	9845.5
70°	19401.4	19426.7	19353.3	20400.5	22728.8	23118.3	20912.7	14867.5	10063.0	8497.4	5898.5
72.5°	20959.5	20953.2	21322.4	24022.5	27270.2	27183.0	22240.6	12962.9	7225.1	4587.0	2819.0
75°	19950.3	19730.2	20830.5	25815.8	29917.2	29491.0	21111.2	9042.4	3749.8	2088.0	1517.6
77.5°	13012.3	13220.9	14835.9	21326.2	26168.7	25650.2	15488.5	4219.0	1766.8	1369.6	1100.3
80°	4712.2	4932.2	6946.9	12080.2	18029.2	17944.5	7627.3	1733.9	1195.1	1034.5	801.8
82.5°	1621.3	1702.3	2740.6	5364.8	10179.4	10558.8	2869.6	985.2	868.8	733.5	548.9
85°	636.1	728.5	1253.3	2581.2	5134.6	5172.5	1162.2	589.3	604.5	480.6	301.0
87.5°	241.6	293.4	599.5	1198.9	2344.7	2153.7	416.1	280.8	344.0	285.8	142.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P318882
CATALOG NUMBER: GLEON-SA8B-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7	5722.7
2.5°	5731.5	5758.1	5813.7	5851.7	5892.1	5903.5	5908.6	5918.7	5928.8	5925.0	5926.3
5°	5766.9	5818.8	5908.6	5946.5	5964.2	5944.0	5904.8	5873.2	5850.4	5837.7	5834.0
7.5°	5825.1	5898.5	5994.6	5988.2	5947.8	5858.0	5756.8	5680.9	5617.7	5594.9	5582.3
10°	5902.2	5988.2	6055.3	5983.2	5865.6	5710.0	5558.3	5440.6	5345.8	5309.1	5302.8
12.5°	6000.9	6088.2	6100.8	5947.8	5753.0	5540.5	5334.4	5178.8	5037.2	4991.7	4981.6
15°	6128.6	6210.8	6132.4	5885.8	5613.9	5328.1	5061.2	4850.0	4700.8	4645.2	4624.9
17.5°	6262.7	6341.1	6138.7	5783.4	5431.8	5076.4	4741.3	4525.0	4354.3	4289.8	4282.2
20°	6423.3	6458.7	6112.2	5636.7	5181.4	4750.1	4397.3	4193.7	4102.6	4057.1	4052.0
22.5°	6621.8	6583.9	6051.5	5438.1	4863.9	4373.3	4086.2	3991.3	3968.6	3958.4	3962.2
25°	6831.8	6715.4	5961.7	5178.8	4463.0	3996.4	3858.5	3885.1	3915.4	3911.6	3911.6
27.5°	7063.2	6849.5	5823.8	4834.9	4019.1	3687.8	3704.2	3801.6	3847.1	3845.9	3844.6
30°	7360.4	7001.2	5648.0	4421.3	3604.3	3470.3	3570.2	3689.1	3751.0	3748.5	3749.8
32.5°	7725.9	7168.2	5409.0	3959.7	3304.6	3309.7	3424.7	3542.4	3614.4	3608.1	3609.4
35°	8153.4	7355.4	5085.3	3504.4	3106.0	3181.9	3273.0	3355.2	3423.5	3414.6	3405.8
37.5°	8618.8	7538.7	4655.3	3097.2	2944.2	3063.0	3138.9	3152.8	3184.5	3161.7	3145.3
40°	9061.4	7679.1	4101.3	2763.3	2781.0	2961.9	3011.2	2955.5	2898.6	2891.1	2868.3
42.5°	9447.1	7725.9	3541.1	2496.5	2609.0	2855.6	2886.0	2769.6	2667.2	2619.1	2598.9
45°	9854.4	7742.3	3018.8	2272.6	2443.4	2760.8	2793.7	2638.1	2493.9	2390.2	2356.1
47.5°	10386.8	7861.2	2612.8	2107.0	2316.9	2697.6	2744.3	2533.1	2346.0	2198.0	2166.4
50°	11083.6	8096.5	2282.7	1980.5	2234.7	2655.8	2708.9	2430.7	2224.6	2046.2	2014.6
52.5°	11857.6	8312.7	2015.9	1878.0	2155.0	2582.5	2663.4	2357.4	2110.7	1905.9	1871.7
55°	12398.9	8147.0	1800.9	1771.8	2051.3	2477.5	2600.2	2295.4	1947.6	1769.3	1738.9
57.5°	12502.6	7580.5	1637.8	1661.8	1926.1	2346.0	2502.8	2157.5	1859.1	1709.8	1678.2
60°	12219.3	6791.3	1516.3	1560.6	1792.0	2180.3	2320.7	2060.2	1774.3	1646.6	1620.1
62.5°	11507.3	5983.2	1426.6	1469.6	1666.8	2012.1	2206.9	1957.7	1688.3	1574.5	1548.0
65°	10069.4	5023.3	1340.6	1388.6	1550.5	1866.7	2104.4	1862.9	1603.6	1516.3	1491.1
67.5°	7600.7	3762.4	1259.6	1302.6	1446.8	1740.2	1993.1	1769.3	1521.4	1465.8	1435.4
70°	4475.7	2356.1	1167.3	1212.8	1338.0	1608.7	1874.3	1666.8	1419.0	1393.7	1354.5
72.5°	2082.9	1417.7	1062.3	1106.6	1201.4	1432.9	1721.2	1532.8	1297.6	1241.9	1188.8
75°	*1243.2*	*1037.0*	*938.4*	*977.6*	*1044.6*	*1245.7*	*1529.0*	*1396.2*	*1182.5*	*1109.1*	*1053.5*
77.5°	929.5	793.0	801.8	843.5	897.9	1090.2	1354.5	1288.7	1093.9	1037.0	999.1
80°	669.0	602.0	653.8	699.4	756.3	991.5	1297.6	1191.3	989.0	913.1	877.7
82.5°	446.4	432.5	492.0	538.8	594.4	867.6	1219.1	1043.4	844.8	748.7	670.3
85°	246.6	260.5	331.3	351.6	399.6	610.8	999.1	838.5	636.1	512.2	489.4
87.5°	102.4	120.1	178.3	172.0	212.5	364.2	657.6	505.9	404.7	302.3	235.2
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

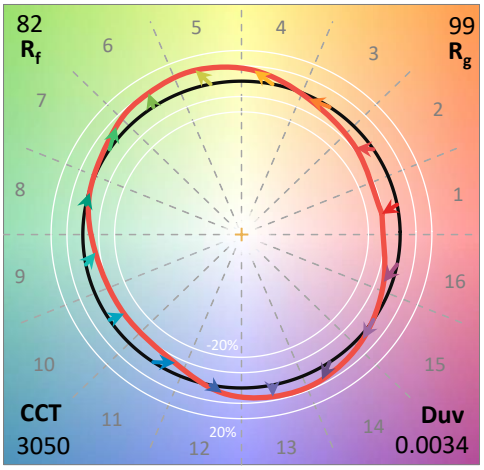
Test Information

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

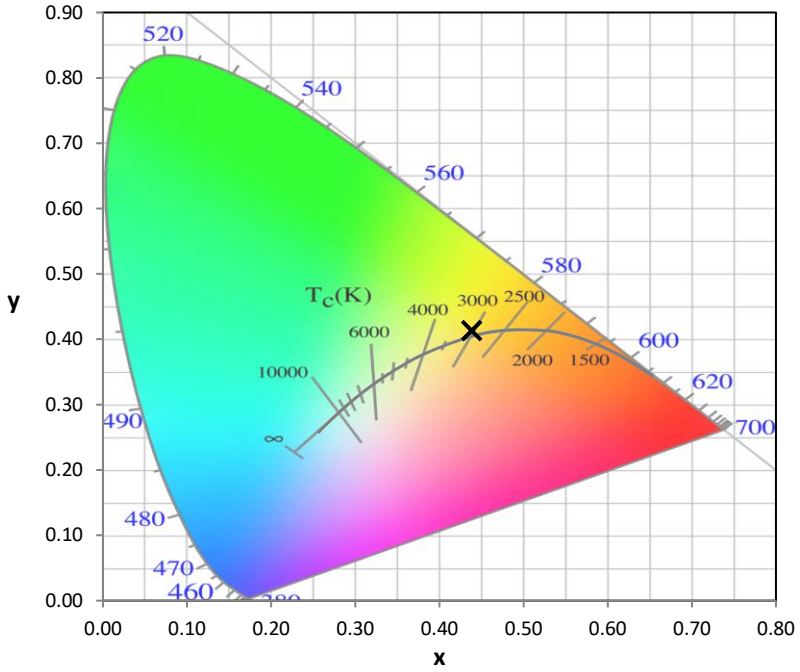
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

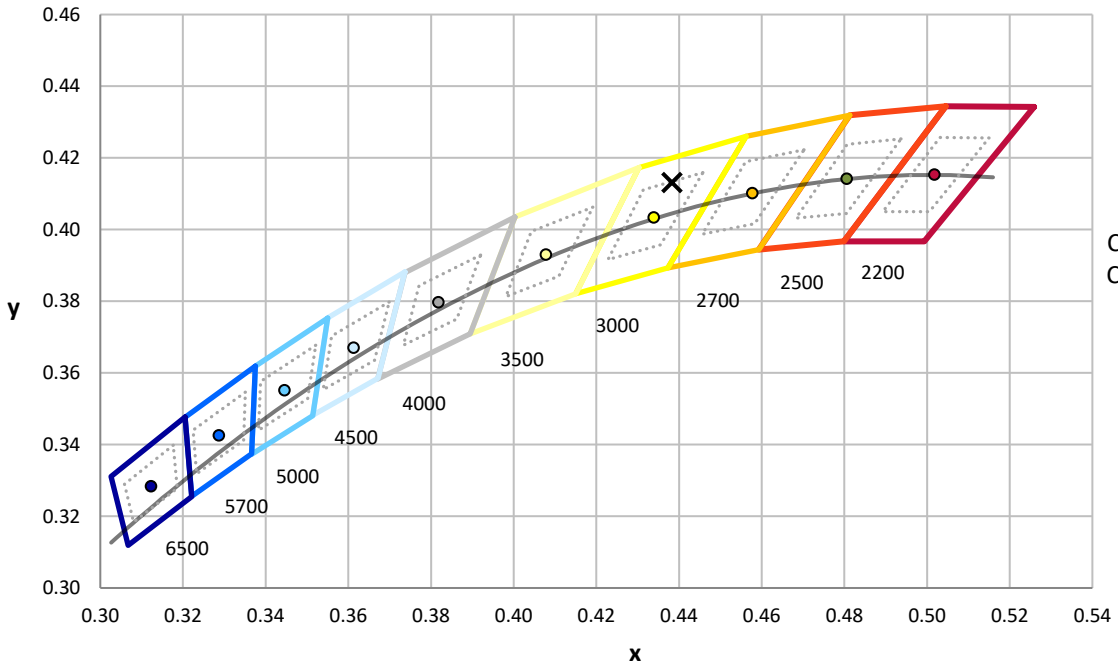
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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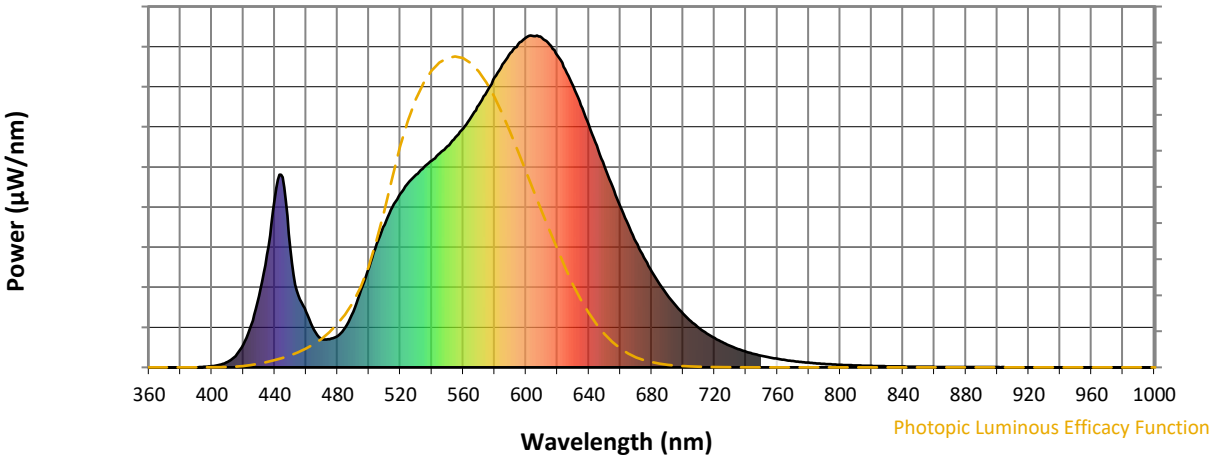
Photopic Flux vs. Wavelength



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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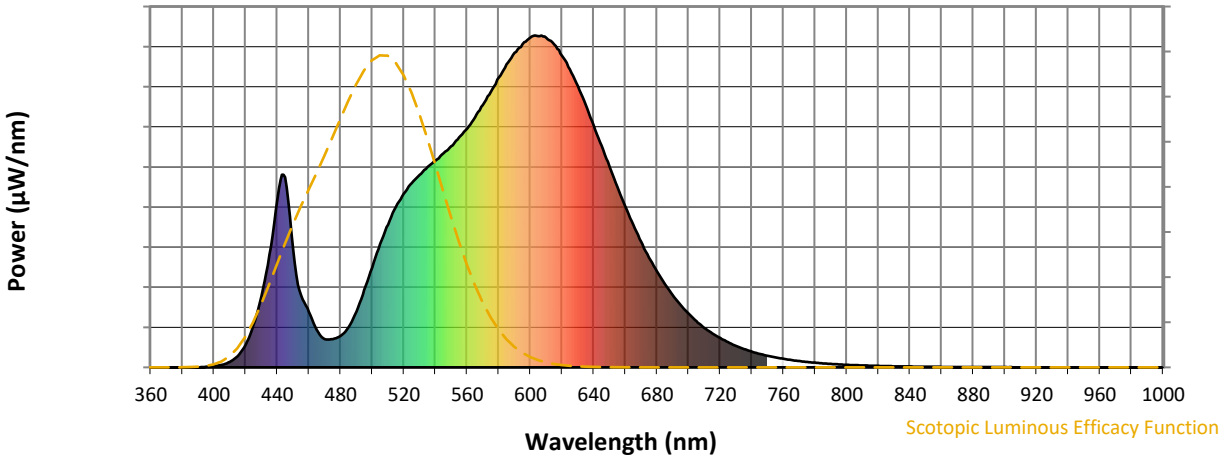
Scotopic Flux vs. Wavelength



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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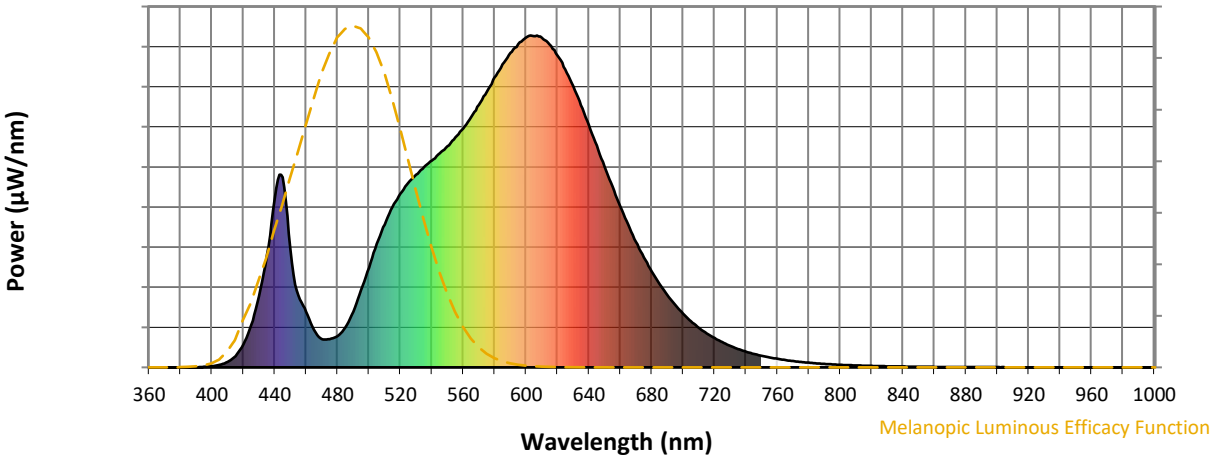
Melanopic Flux vs. Wavelength



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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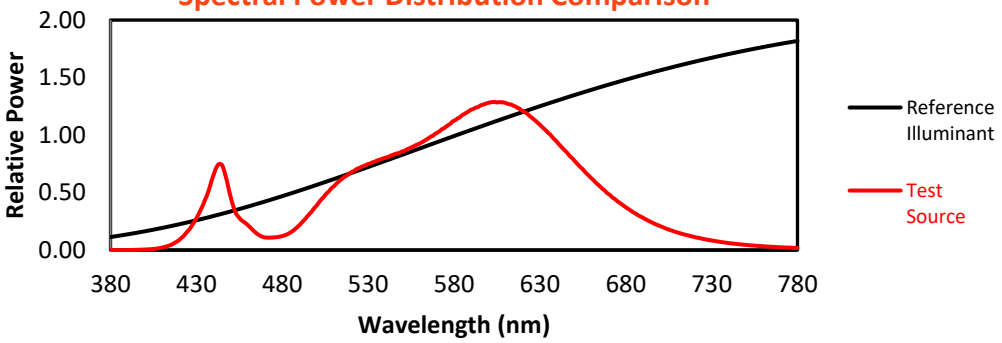
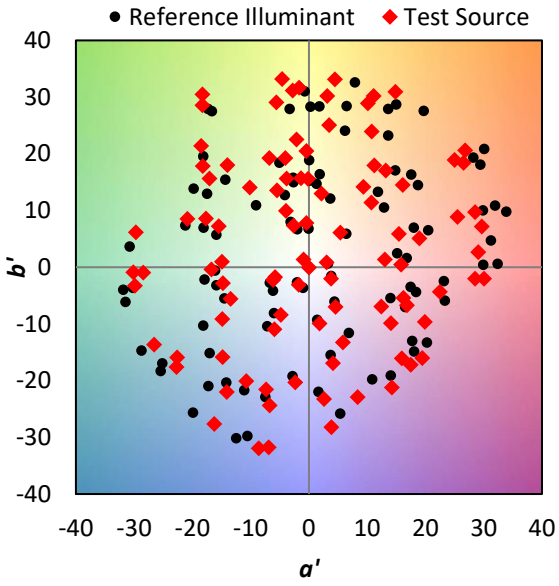
Summary

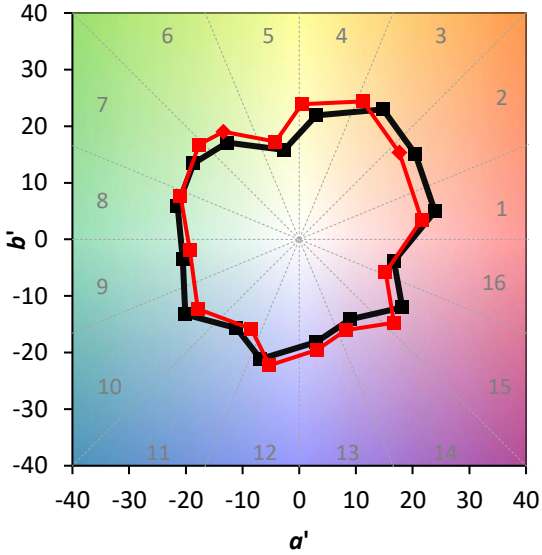
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

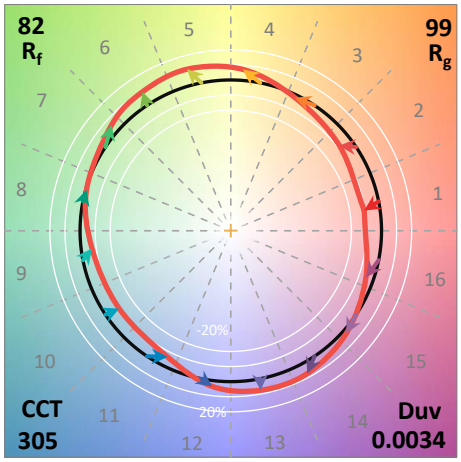
Spectral Power Distribution Comparison

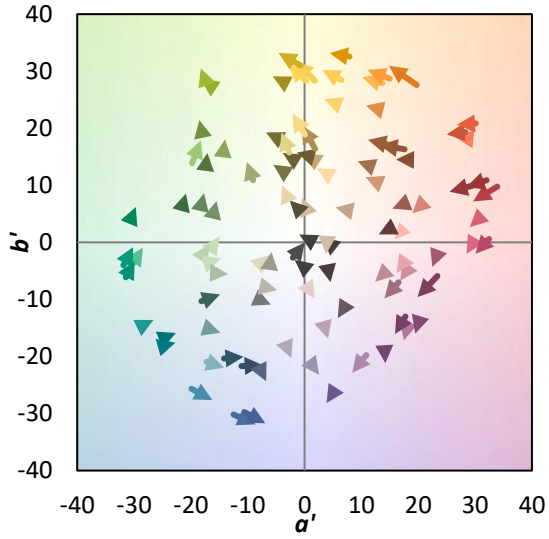


Color Vector Graphics









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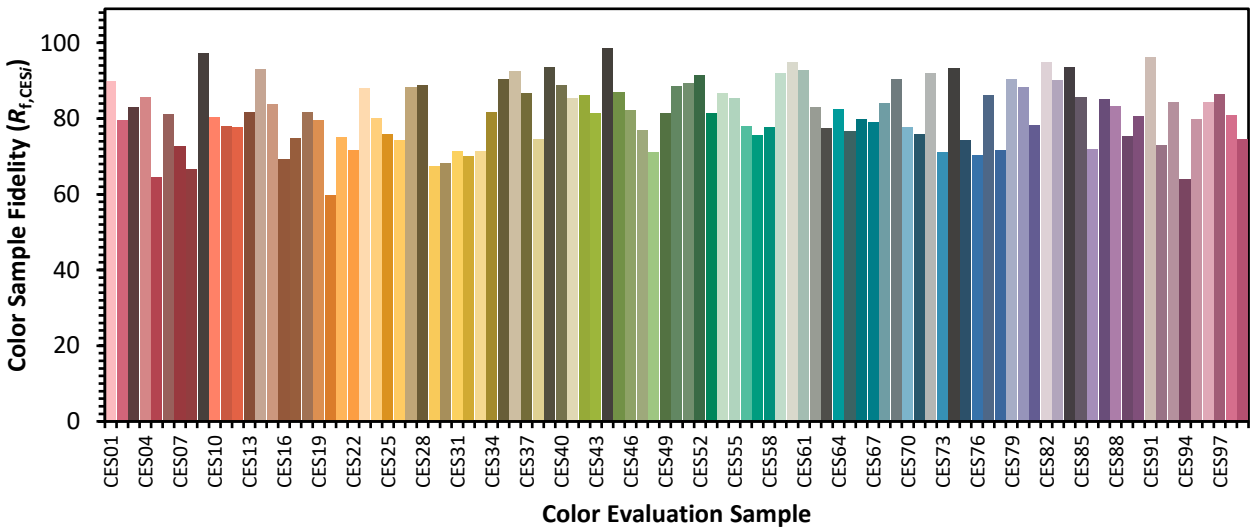
Individual Sample Fidelity Index ($R_{f,i}$)

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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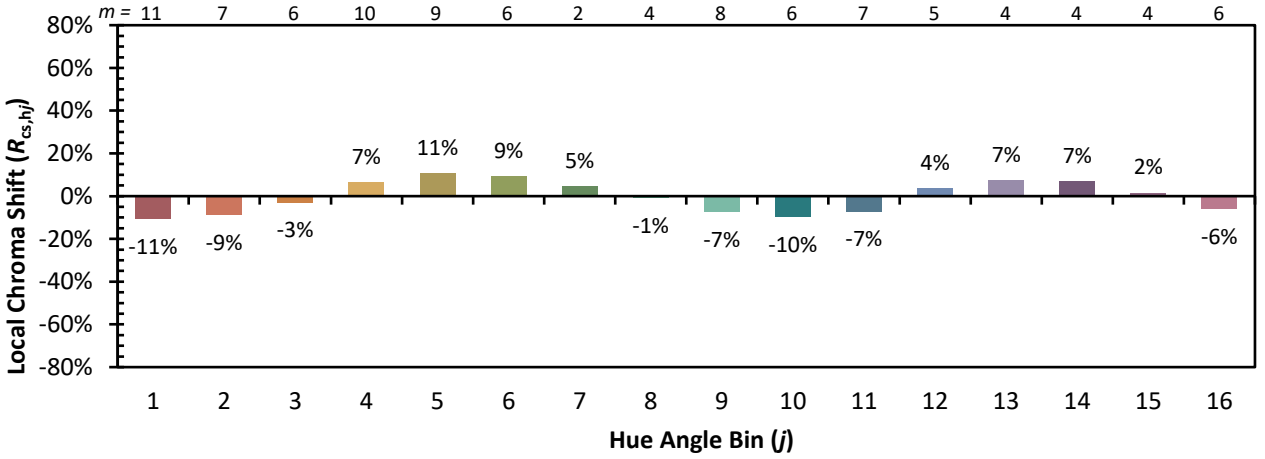
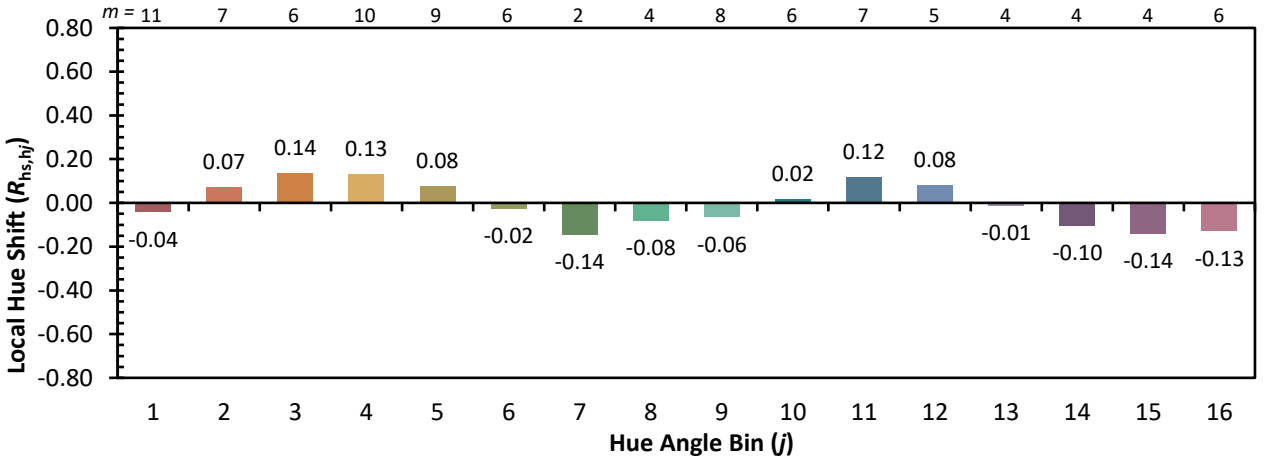
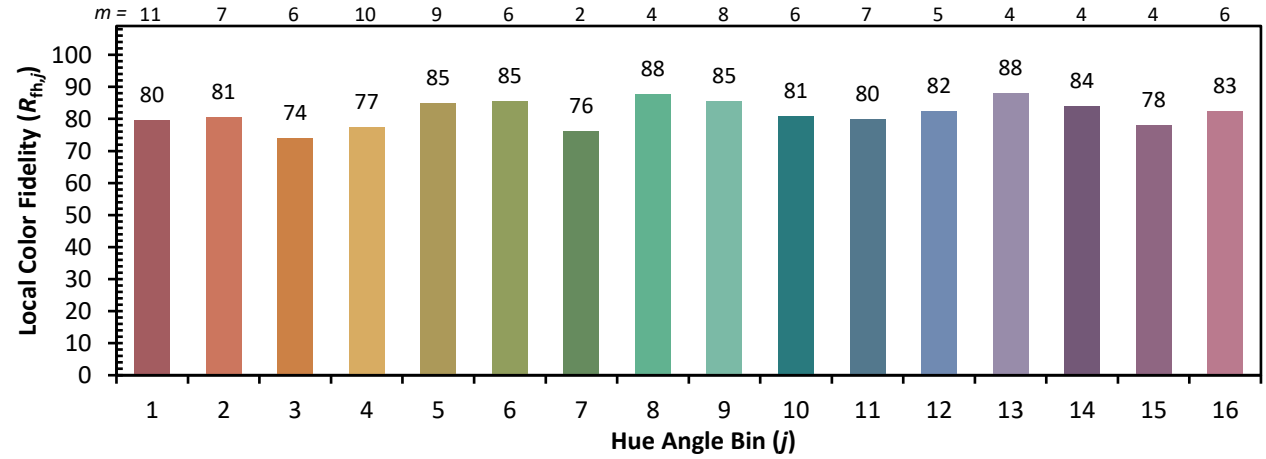
Color Rendition by Hue-Angle Bin







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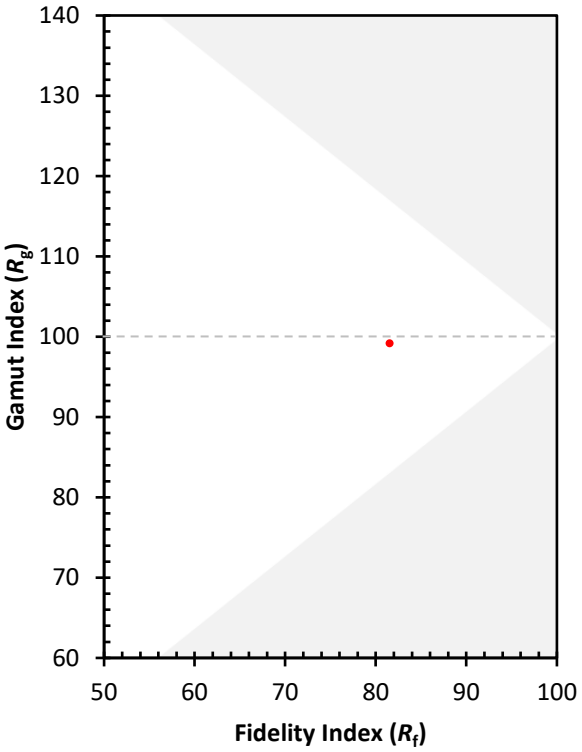
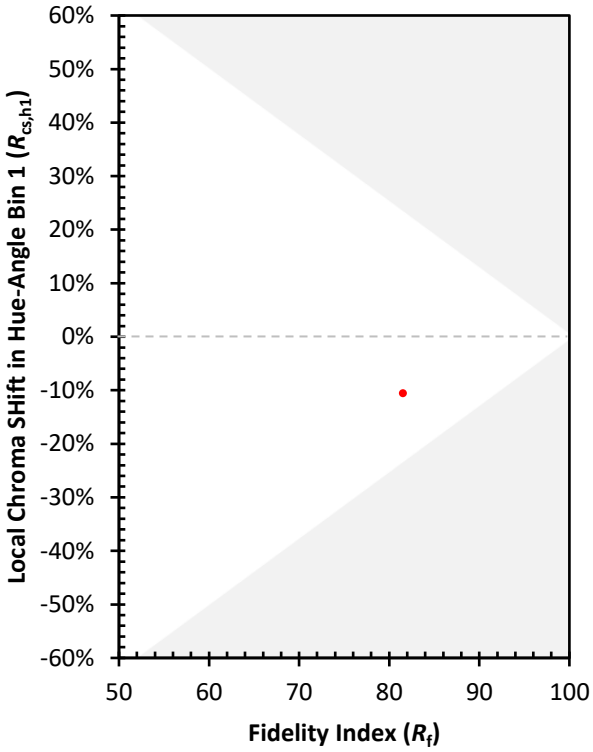
Measure Comparisons





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