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: P319512

Luminaire Tested: **GLEON-SA8A-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:	P319512
	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-SA8A-830-U-SL2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 615mA 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:	29075 lumens
Efficiency:	N/A
Efficacy:	113.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	257
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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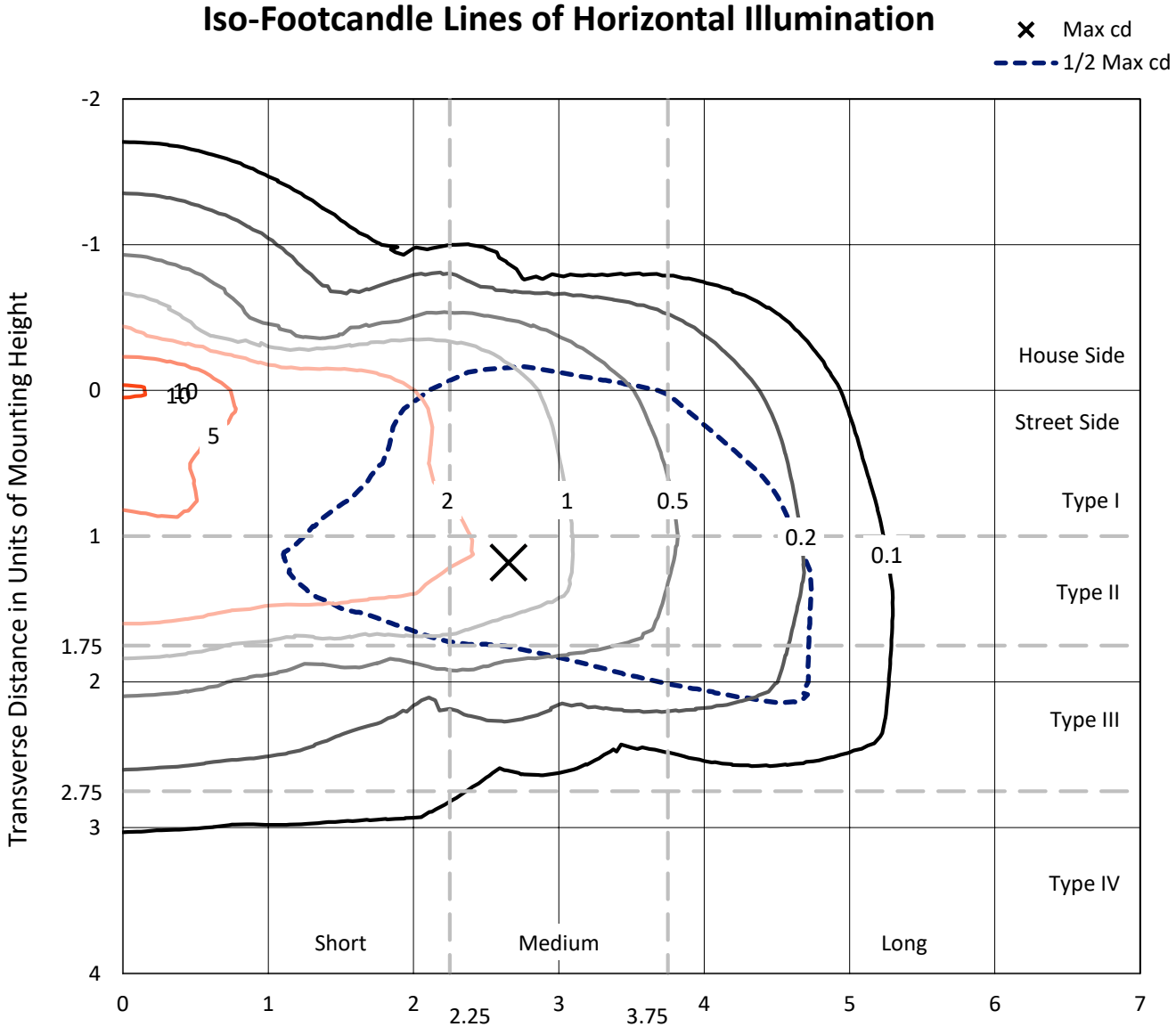
REPORT NUMBER: P319512
CATALOG NUMBER: GLEON-SA8A-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
Type III - Medium - N/A

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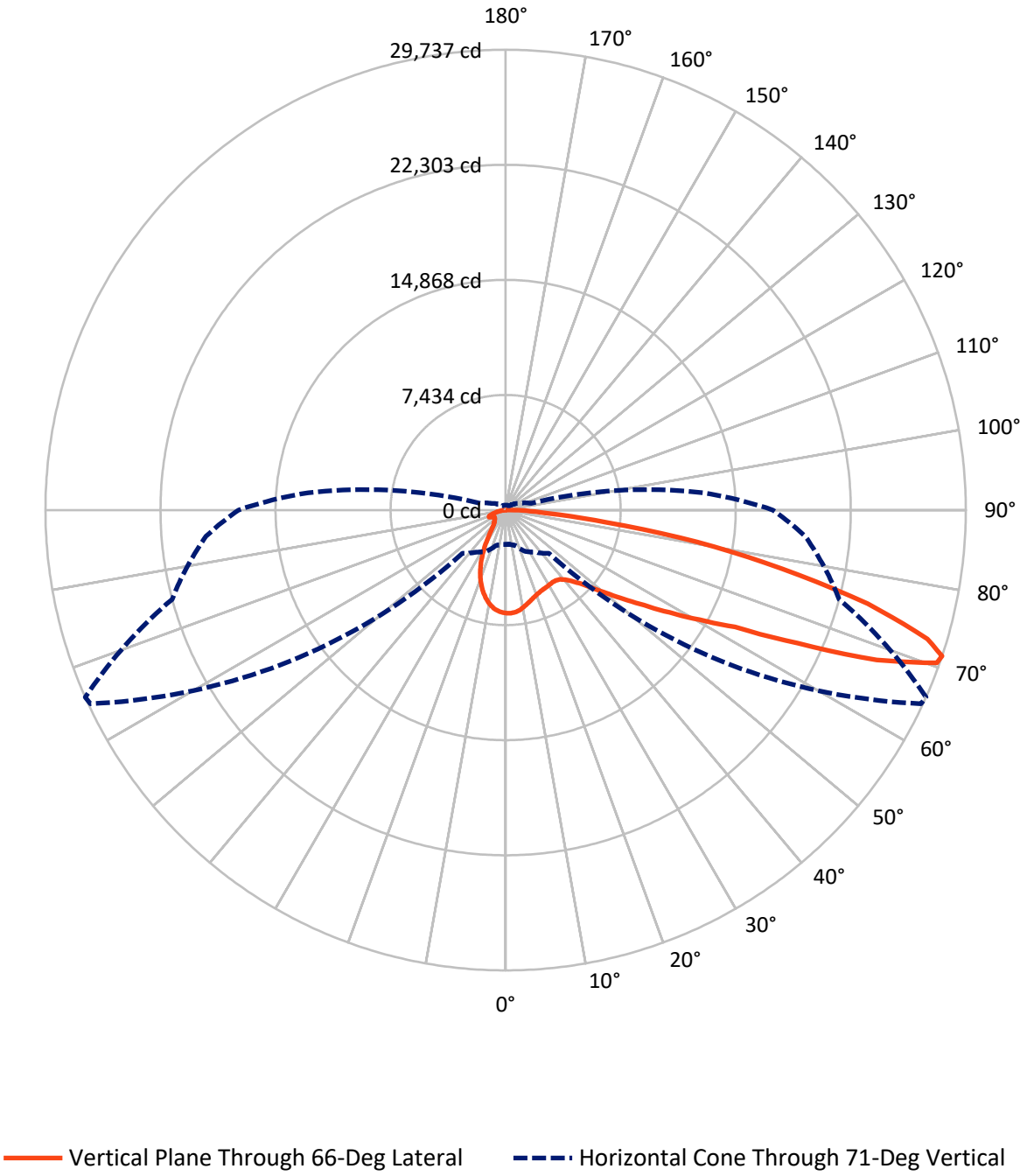
Luminous Intensity Polar Plot



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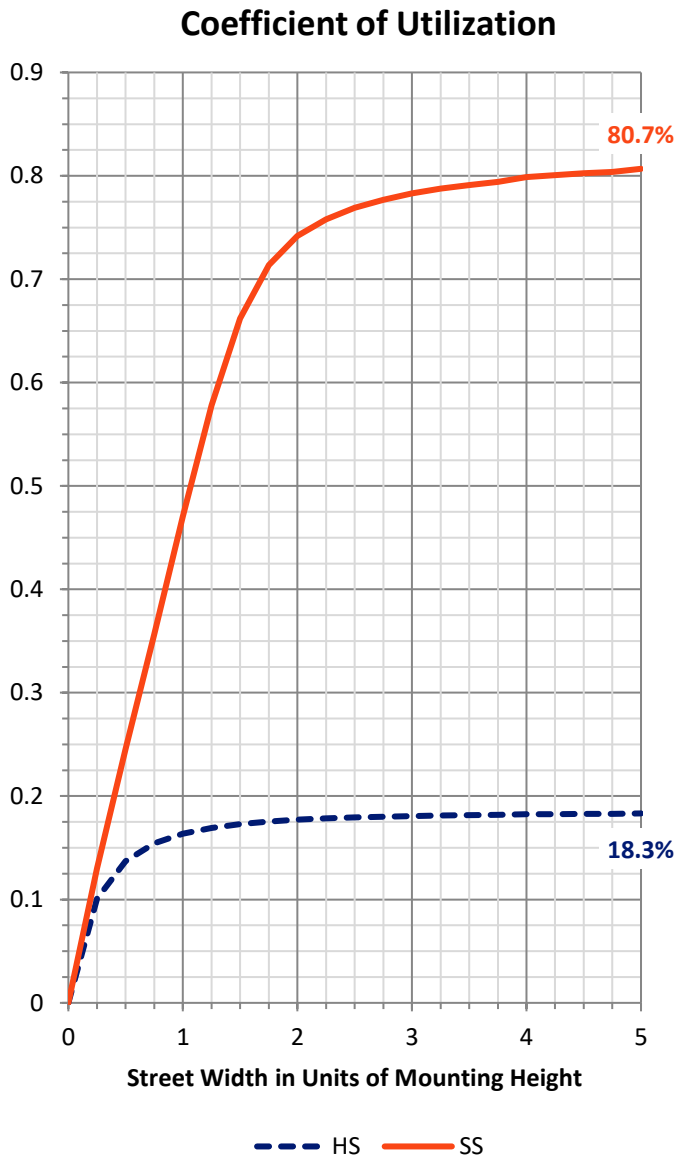
CATALOG NUMBER: GLEON-SA8A-830-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5388.4	0.0	5388.4
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	23686.6	0.0	23686.6
	% Fixture	81.5	0.0	81.5
Total	Lumens	29075.0	0.0	29075.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.3	2.0
10°-20°	1406.2	4.8
20°-30°	1888.8	6.5
30°-40°	2484.7	8.5
40°-50°	3614.6	12.4
50°-60°	5646.4	19.4
60°-70°	7073.1	24.3
70°-80°	5395.2	18.6
80°-90°	979.7	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°	29075.0	100.0
0°-180°	29075.0	100.0



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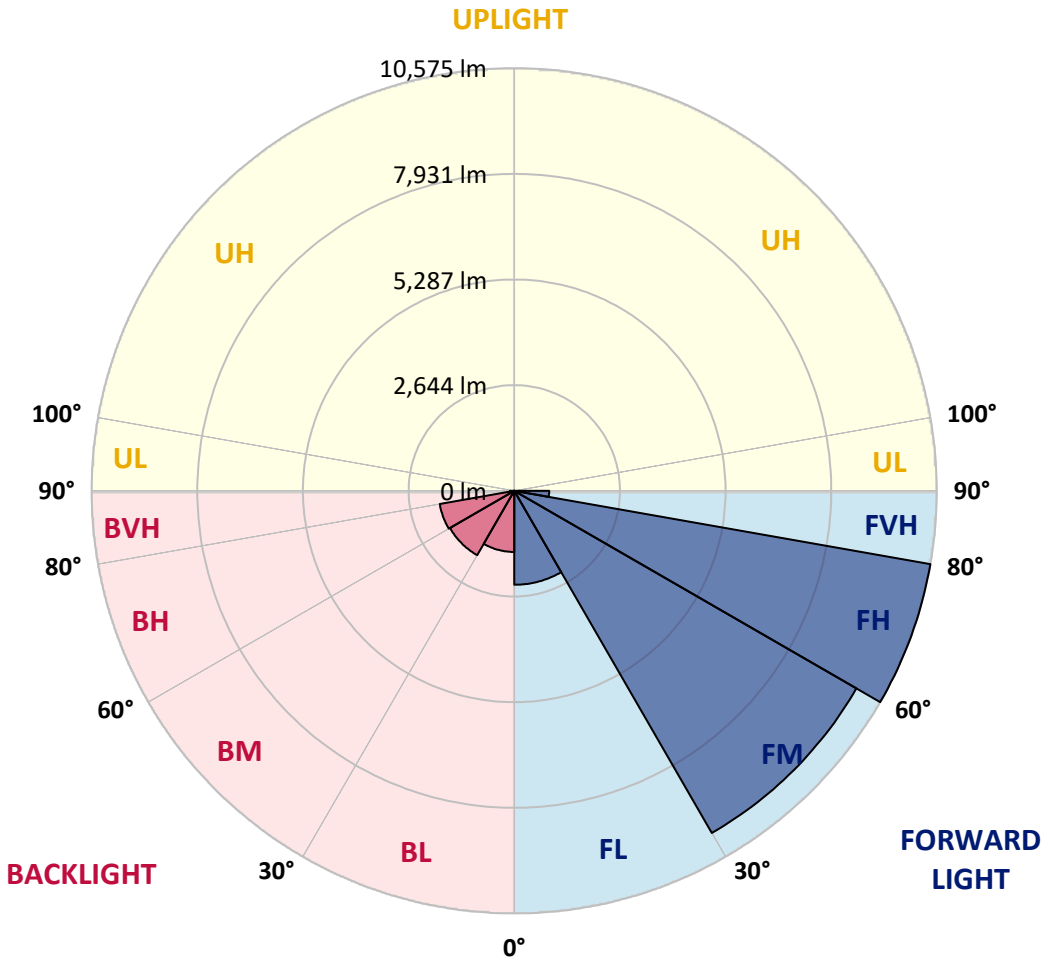
CATALOG NUMBER: GLEON-SA8A-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2351.1	8.1			
FM	(30°-60°)	9887.0	34.0			
FH	(60°-80°)	10574.9	36.4			G4/12000
FVH	(80°-90°)	873.7	3.0			G5
BL	(0°-30°)	1530.2	5.3	B3/2500		
BM	(30°-60°)	1858.8	6.4	B2/2500		
BH	(60°-80°)	1893.4	6.5	B3/2500		G3/2500
BVH	(80°-90°)	106.1	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type III Medium



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REPORT NUMBER: P319512
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6660.5	6660.5	6660.5	6660.5	6660.5	6660.5	6660.5	6660.5	*6660.5*	6660.5	6660.5
2.5°	6537.0	6527.0	6557.1	6588.2	6600.3	6620.4	6650.5	6667.5	*6666.5*	6669.6	6659.5
5°	6103.4	6090.3	6150.6	6199.8	6294.1	6400.5	6530.0	6622.4	*6624.4*	6676.6	6690.6
7.5°	5692.8	5683.8	5753.0	5832.3	5941.8	6104.4	6314.2	6513.0	*6525.0*	6666.5	6715.7
10°	5363.6	5361.5	5428.8	5515.1	5642.6	5824.3	6065.2	6356.4	*6374.4*	6618.4	6719.7
12.5°	5106.6	5110.6	5168.8	5267.2	5401.7	5591.4	5852.4	6180.7	*6209.8*	6542.1	6696.7
15°	4916.8	4932.9	4980.1	5079.5	5212.0	5404.7	5672.7	6018.1	*6062.2*	6456.7	6683.6
17.5°	4808.4	4826.5	4859.6	4941.9	5066.4	5252.1	5506.1	5884.5	*5924.7*	6391.5	6684.6
20°	4776.3	4791.4	4810.4	4860.6	4966.0	5134.7	5374.6	5764.1	*5807.3*	6339.3	6694.7
22.5°	4839.5	4850.6	4852.6	4848.6	4912.8	5050.4	5279.2	5675.7	*5721.9*	6305.2	6701.7
25°	4975.1	4990.1	4979.1	4941.9	4920.9	5005.2	5230.0	5617.5	*5663.7*	6280.1	6687.6
27.5°	5178.8	5180.9	5171.8	5123.6	5024.3	5010.2	5215.0	5583.4	*5627.6*	6251.0	6658.5
30°	5455.9	5469.0	5452.9	5387.6	5225.0	5090.5	5233.1	5550.3	*5590.4*	6213.8	6611.3
32.5°	5780.1	5812.3	5811.3	5743.0	5510.1	5270.2	5307.3	5530.2	*5561.3*	6174.7	6554.1
35°	6116.4	6160.6	6242.9	6213.8	5925.7	5554.3	5449.9	5562.3	*5583.4*	6169.6	6514.0
37.5°	6465.8	6509.9	6679.6	6757.9	6420.6	5960.8	5674.7	5675.7	*5685.8*	6230.9	6510.9
40°	6831.2	6878.4	7133.3	7337.1	7062.1	6475.8	6037.1	5912.7	*5901.6*	6381.5	6570.2
42.5°	7343.1	7385.3	7691.5	7951.5	7773.8	7135.3	6538.1	6278.1	*6255.0*	6676.6	6759.9
45°	7990.6	8026.8	8352.0	8630.1	8538.7	7888.2	7167.5	6781.0	*6777.0*	7168.5	7144.4
47.5°	8760.6	8788.7	9080.8	9349.8	9383.0	8754.5	7958.5	7557.0	*7491.7*	7843.1	7739.7
50°	9562.6	9593.8	9792.5	10081.6	10327.6	9914.0	8976.4	8507.6	*8420.3*	8733.5	8582.9
52.5°	10093.7	10134.8	10307.5	10673.9	11389.6	11184.9	10180.0	9660.0	*9527.5*	9812.6	9697.2
55°	9856.8	9949.1	10213.1	10800.4	12238.9	13126.3	11664.7	11004.2	*10854.6*	11091.5	11023.2
57.5°	8779.6	8906.1	9266.5	10173.0	12358.4	14836.8	13909.3	12587.2	*12481.8*	12413.6	12444.7
60°	6811.1	6932.6	7379.3	8560.8	11526.2	16085.6	17287.2	14538.7	*14386.1*	13740.6	13768.8
62.5°	4820.5	4759.2	5065.4	5929.7	9365.9	16232.2	21131.0	17148.7	*16646.8*	15142.0	15018.5
65°	3676.1	3662.0	3799.6	4074.6	5672.7	14478.5	23420.7	21535.5	*20751.5*	16790.3	16499.2
67.5°	3020.6	2995.5	3131.0	3531.5	3653.0	9340.8	23470.9	26625.0	*25855.1*	18842.2	18211.8
70°	2483.5	2455.4	2581.9	3098.9	3375.9	4737.2	19753.7	29605.4	*29564.3*	21440.1	19504.7
71°	*2226.5*	*2206.5*	*2358.0*	*2932.2*	*3316.7*	*3948.1*	*17055.3*	*29613.5*	*29736.9*	*22319.5*	*19428.4*
72.5°	1812.9	1820.0	1980.6	2610.0	3272.5	3486.4	12535.0	28233.2	*28494.2*	23157.7	18734.8
75°	1204.6	1210.6	1421.4	2007.7	3173.2	3411.1	6889.4	23690.8	*24170.6*	22655.8	17095.5
77.5°	809.1	807.1	950.6	1377.3	2764.6	3411.1	4039.5	17718.9	*18245.9*	18027.1	13179.5
80°	557.1	553.1	654.5	950.6	2093.0	3452.2	3123.0	12417.6	*12577.2*	9735.3	5356.5
82.5°	341.3	344.3	427.6	671.6	1424.5	3106.9	2948.3	6770.9	*6597.3*	2730.5	1338.1
85°	195.8	194.7	273.0	454.7	914.5	2622.0	2875.0	2914.2	*2673.2*	822.2	483.9
87.5°	70.3	75.3	146.6	252.0	524.0	1826.0	2439.3	1515.8	*1366.2*	371.4	218.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P319512
CATALOG NUMBER: GLEON-SA8A-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6660.5	6660.5	6660.5	6660.5	6660.5	6660.5	6660.5	6660.5	6660.5	6660.5	6660.5
2.5°	6652.5	6658.5	6651.5	6611.3	6577.2	6522.0	6490.9	6447.7	6434.7	6428.6	6444.7
5°	6677.6	6679.6	6620.4	6515.0	6396.5	6257.0	6156.6	6033.1	5974.9	5949.8	5965.9
7.5°	6700.7	6691.6	6562.1	6360.4	6141.5	5898.6	5682.8	5485.0	5369.6	5322.4	5326.4
10°	6703.7	6665.5	6457.7	6145.5	5806.2	5449.9	5118.6	4813.4	4620.7	4495.2	4533.4
12.5°	6672.6	6608.3	6304.2	5867.5	5396.7	4910.8	4463.1	4005.3	3730.3	3602.8	3606.8
15°	6648.5	6532.0	6115.4	5540.2	4907.8	4264.3	3653.0	3114.9	2821.8	2691.3	2630.1
17.5°	6628.4	6449.7	5896.6	5171.8	4330.6	3514.5	2779.7	2299.8	2139.2	2101.1	2085.0
20°	6600.3	6362.4	5652.7	4745.2	3673.1	2675.3	2029.8	1792.9	1793.9	1838.0	1844.1
22.5°	6561.1	6263.0	5392.7	4266.3	2967.4	1948.5	1591.1	1522.8	1592.1	1676.4	1691.5
25°	6502.9	6145.5	5103.6	3737.3	2262.7	1497.7	1359.2	1356.2	1440.5	1528.9	1541.9
27.5°	6420.6	5992.0	4782.3	3169.1	1667.4	1272.9	1217.7	1238.7	1301.0	1365.2	1370.3
30°	6310.2	5813.3	4428.0	2569.8	1307.0	1133.3	1127.3	1146.4	1184.5	1229.7	1233.7
32.5°	6188.7	5631.6	4049.5	1989.6	1119.3	1058.1	1064.1	1073.1	1091.2	1109.3	1113.3
35°	6078.3	5445.9	3662.0	1511.8	1029.9	1008.9	1004.9	1002.8	1004.9	998.8	999.8
37.5°	6007.0	5292.3	3258.5	1203.6	978.8	965.7	953.7	938.6	921.5	911.5	913.5
40°	5980.9	5177.8	2849.9	1040.0	936.6	927.6	904.5	872.3	852.3	846.2	846.2
42.5°	6051.2	5118.6	2455.4	957.7	901.5	886.4	848.3	811.1	796.1	795.0	794.0
45°	6266.0	5142.7	2080.0	912.5	869.3	840.2	790.0	758.9	748.9	750.9	749.9
47.5°	6651.5	5294.3	1758.7	882.4	837.2	799.1	742.8	717.8	705.7	705.7	706.7
50°	7307.0	5648.6	1502.8	857.3	810.1	760.9	708.7	677.6	661.5	660.5	660.5
52.5°	8261.7	6283.1	1343.1	836.2	780.0	726.8	674.6	635.4	616.4	612.3	610.3
55°	9458.2	7192.6	1299.0	822.2	739.8	689.6	633.4	594.3	573.2	564.2	563.2
57.5°	10796.4	8298.8	1386.3	805.1	698.7	645.5	588.3	551.1	529.0	518.0	517.0
60°	12150.6	9506.4	1742.7	781.0	664.5	597.3	542.1	507.9	485.9	473.8	471.8
62.5°	13506.8	10779.3	2470.5	779.0	640.5	551.1	494.9	465.8	444.7	431.7	428.6
65°	15036.6	12172.6	3297.6	832.2	632.4	509.0	446.7	423.6	405.6	393.5	392.5
67.5°	16793.3	13745.7	3218.3	941.6	659.5	470.8	401.5	383.5	370.4	360.4	359.4
70°	17617.5	13499.7	2000.7	1018.9	697.7	433.7	358.4	345.3	335.3	328.3	325.2
71°	*17272.2*	*12818.1*	*1677.4*	*1009.9*	*693.7*	*417.6*	*341.3*	*331.3*	*321.2*	*315.2*	*312.2*
72.5°	16330.6	11689.8	1399.4	939.6	648.5	388.5	319.2	309.2	300.2	293.1	291.1
75°	14654.1	10440.0	1120.3	750.9	517.0	328.3	280.1	269.0	262.0	258.0	254.0
77.5°	10772.3	7450.5	866.3	593.3	380.5	268.0	238.9	230.9	223.9	217.8	214.8
80°	4126.8	2886.1	583.2	442.7	279.1	211.8	192.7	188.7	181.7	177.7	177.7
82.5°	1111.3	862.3	311.2	268.0	186.7	154.6	147.6	145.6	139.5	131.5	132.5
85°	449.7	380.5	174.7	147.6	114.4	91.4	99.4	100.4	93.4	83.3	84.3
87.5°	197.8	161.6	97.4	65.3	50.2	35.1	45.2	45.2	41.2	34.1	31.1
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

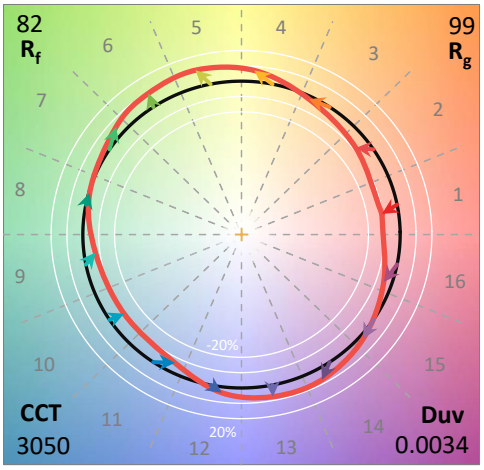
Test Information

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

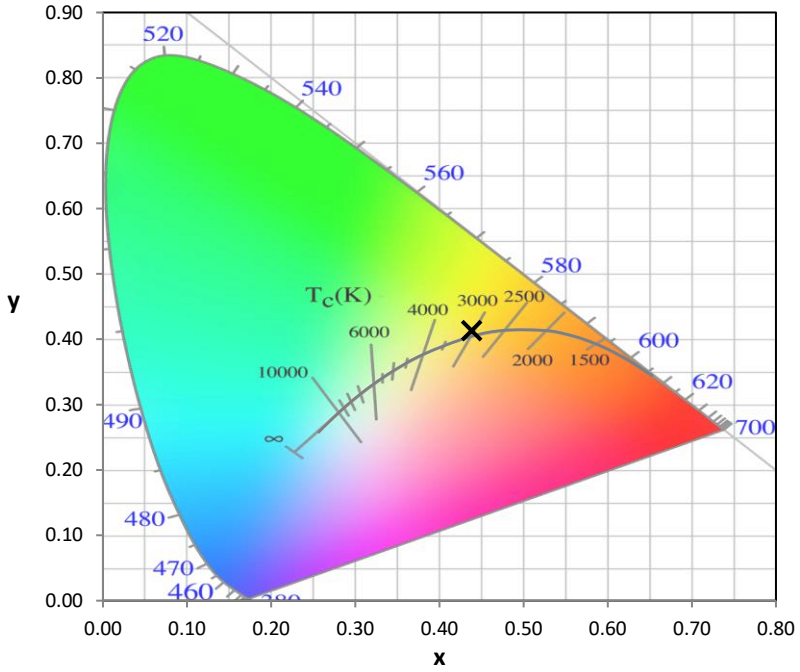
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

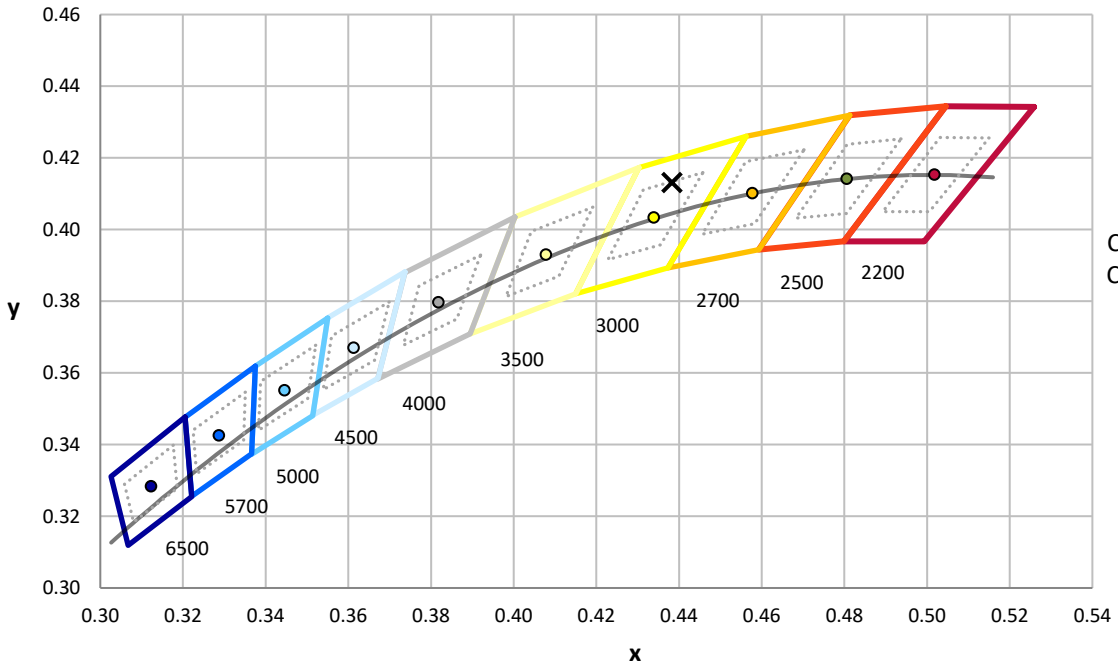
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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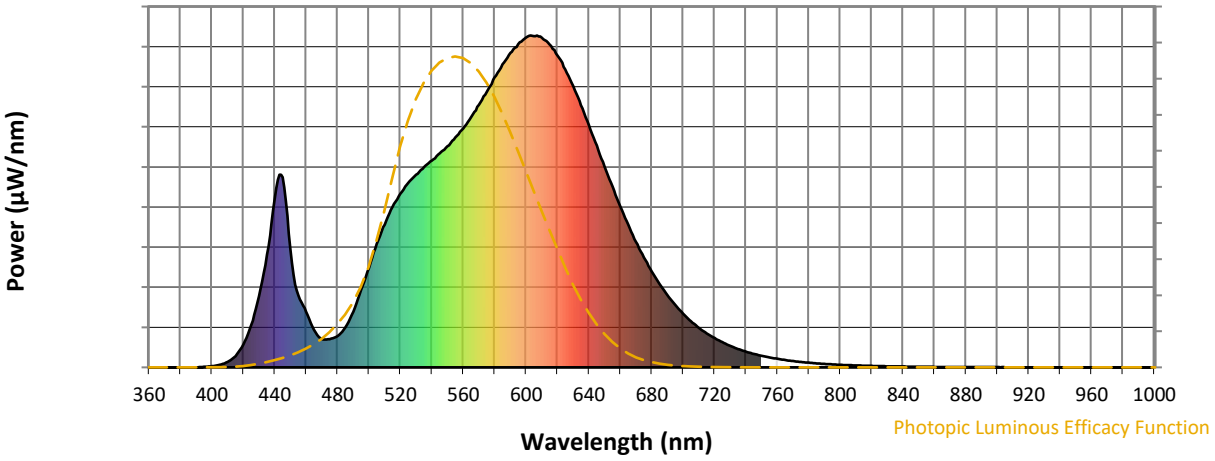
Photopic Flux vs. Wavelength



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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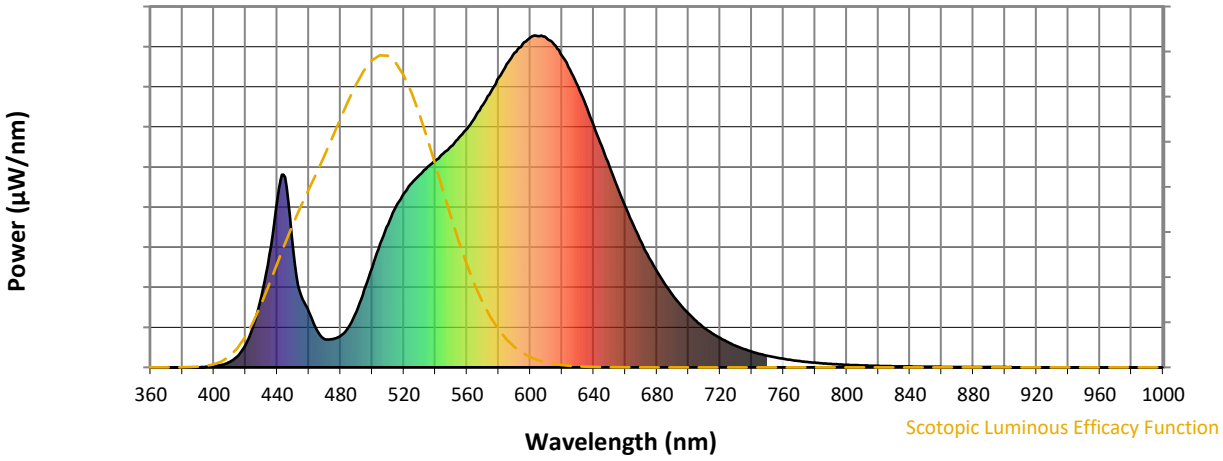
Scotopic Flux vs. Wavelength



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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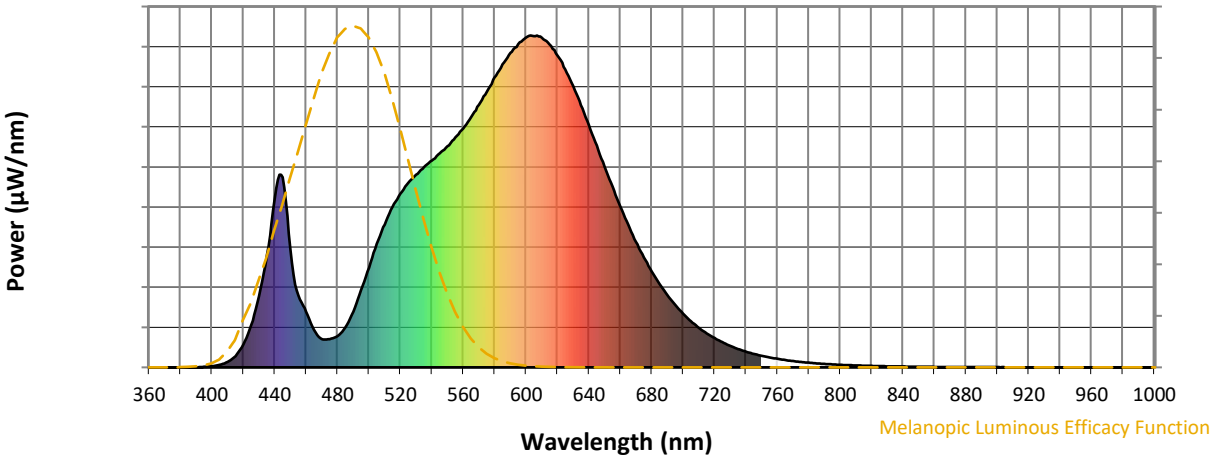
Melanopic Flux vs. Wavelength



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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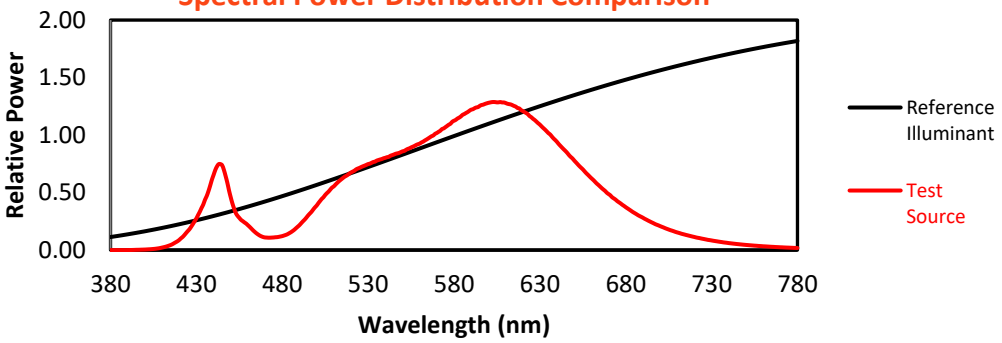
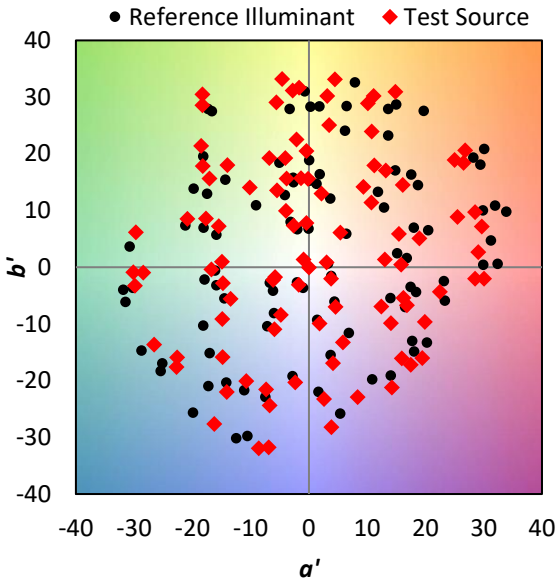
Summary

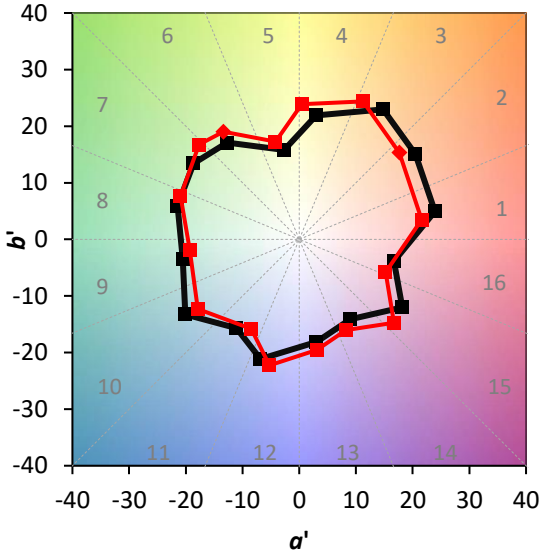
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

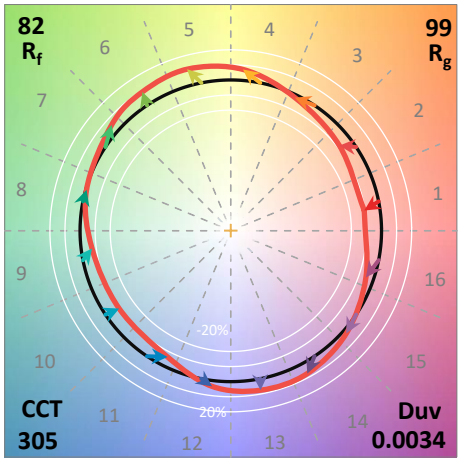
Spectral Power Distribution Comparison

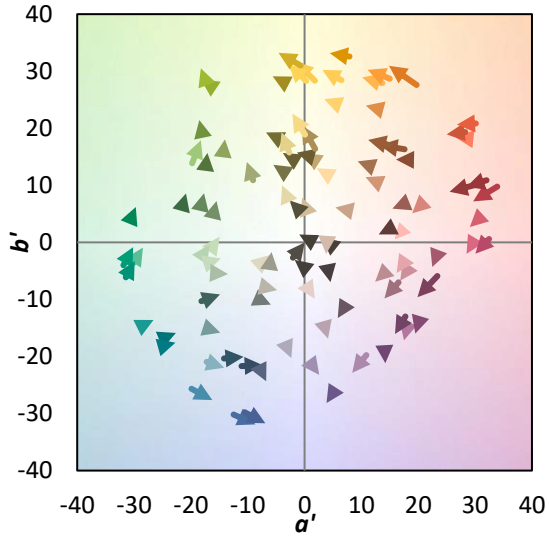


Color Vector Graphics









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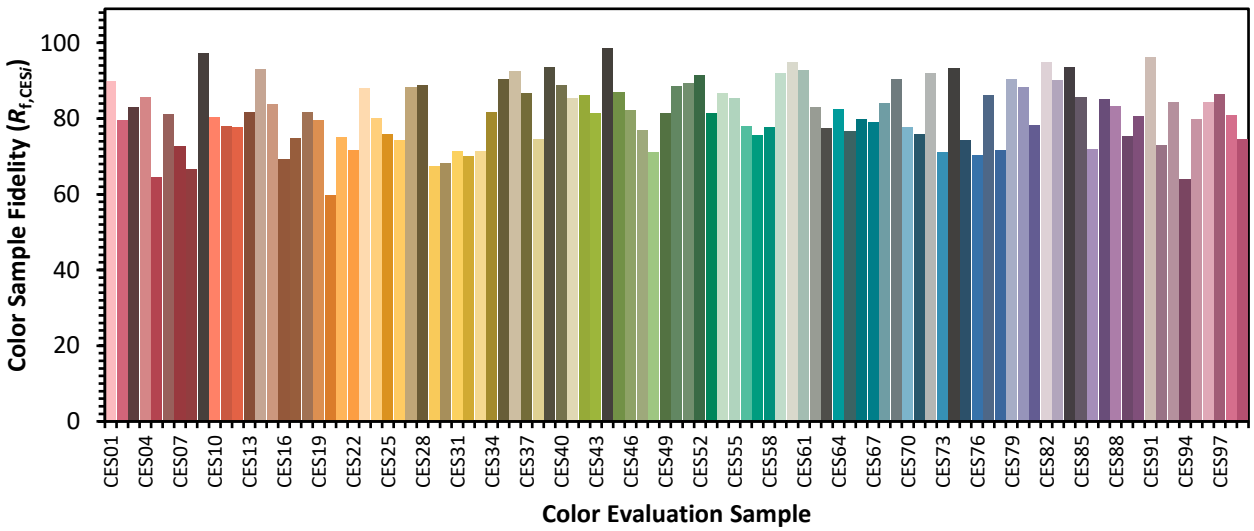
Individual Sample Fidelity Index ($R_{f,i}$)

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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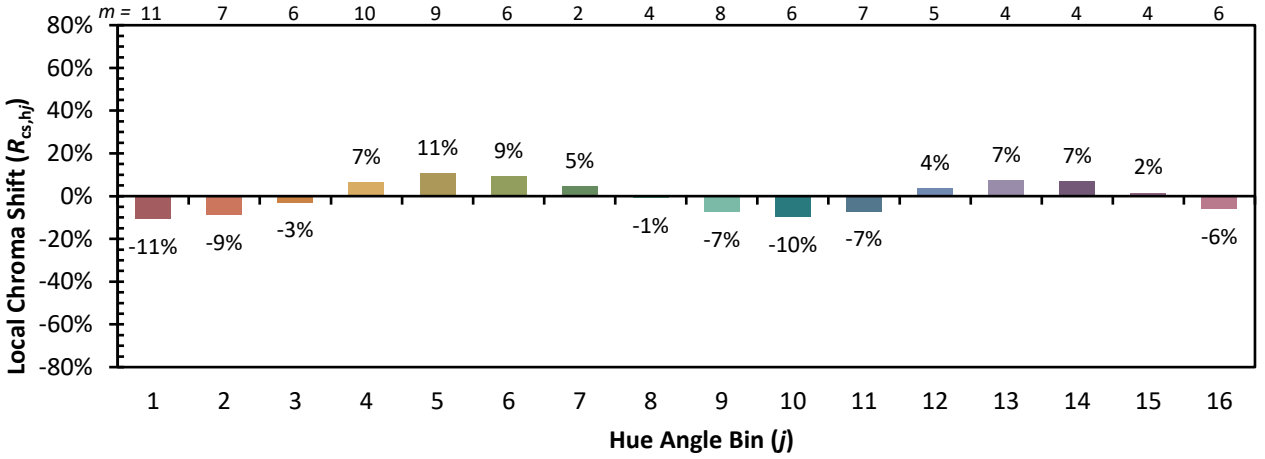
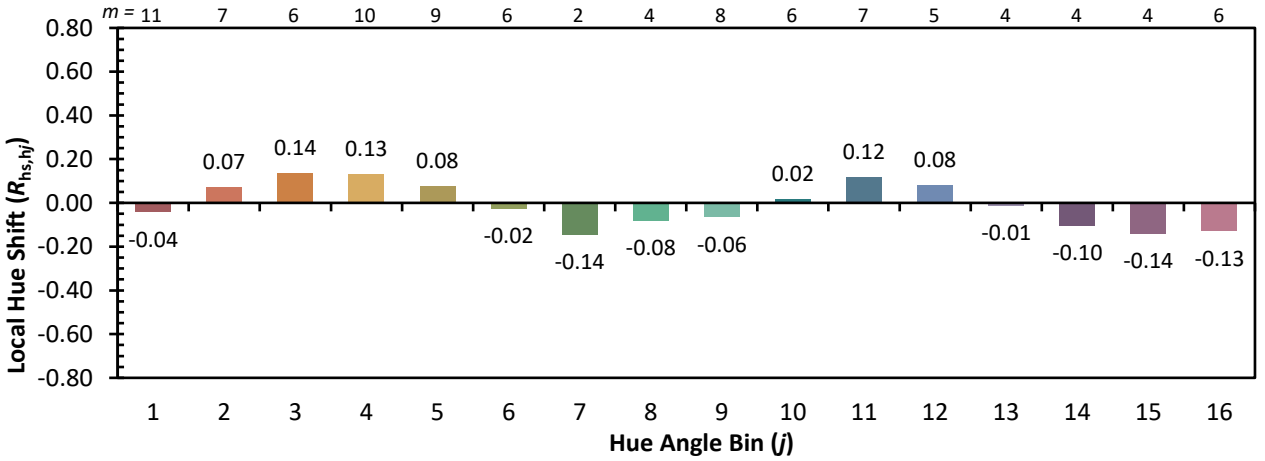
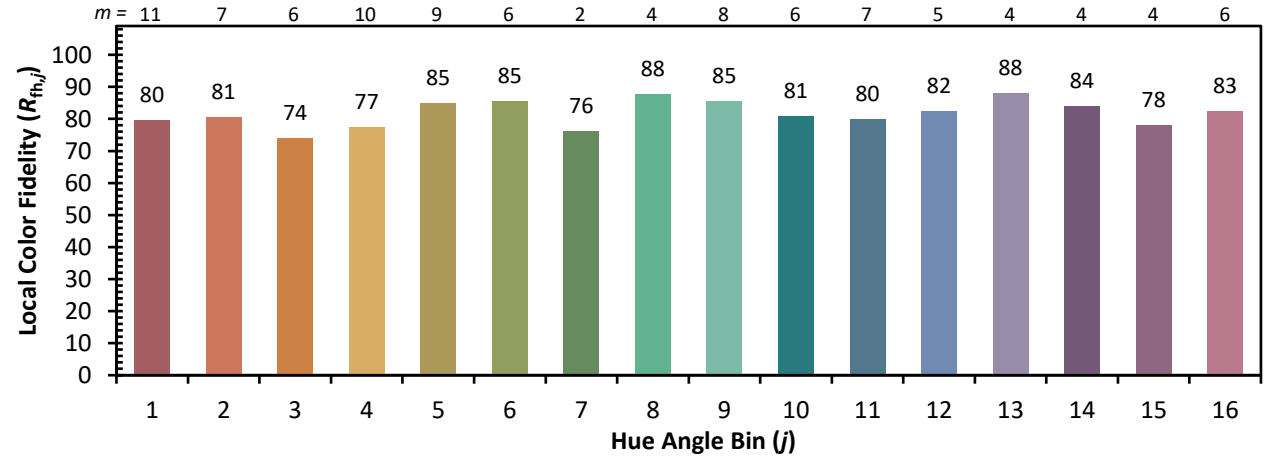
Color Rendition by Hue-Angle Bin







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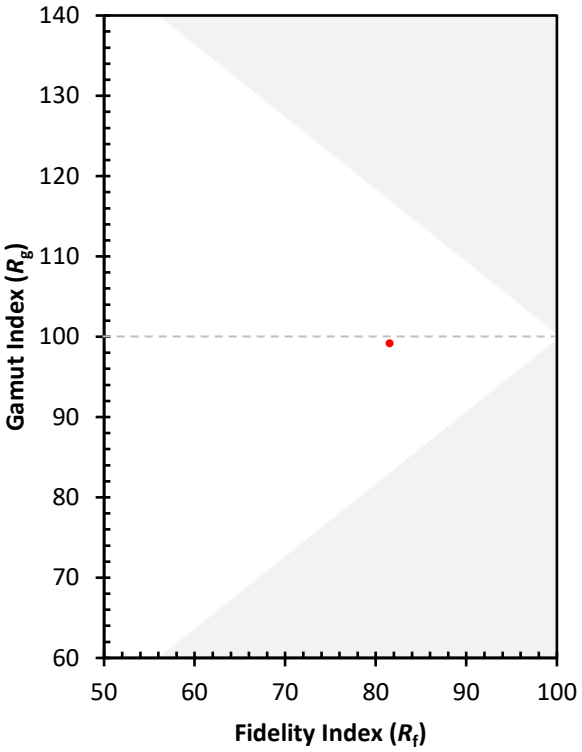
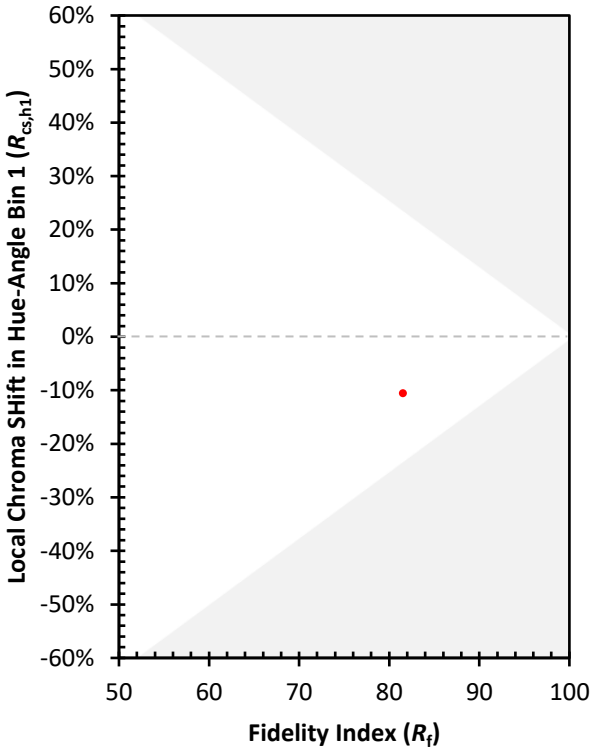
Measure Comparisons





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