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: P317612

Luminaire Tested: **GLEON-SA8C-830-U-T2R**

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:	P317612
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8C-830-U-T2R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	46928 lumens
Efficiency:	N/A
Efficacy:	105.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	445
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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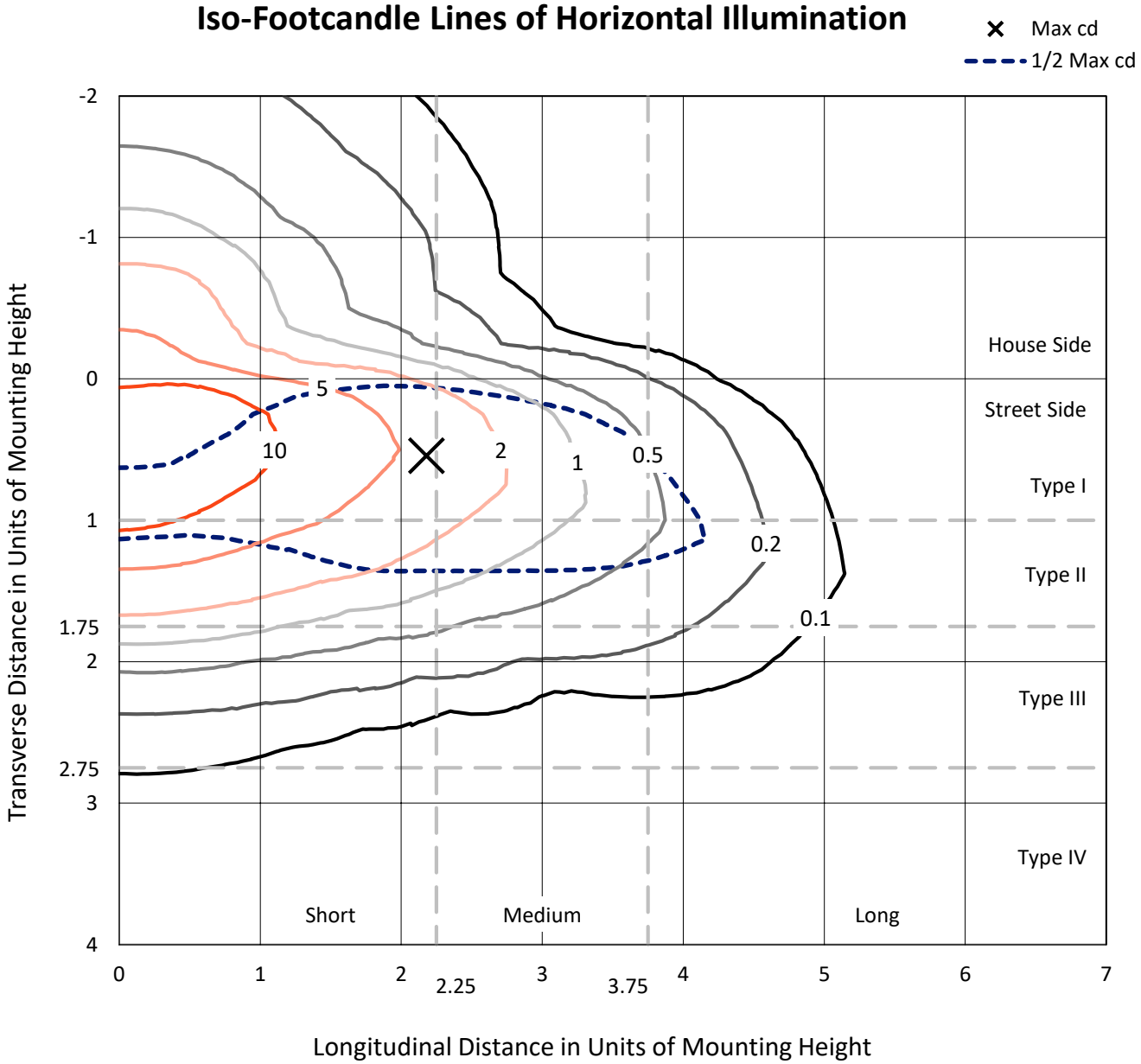
REPORT NUMBER: P317612
CATALOG NUMBER: GLEON-SA8C-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 18.2 fc
Type II - Short - N/A

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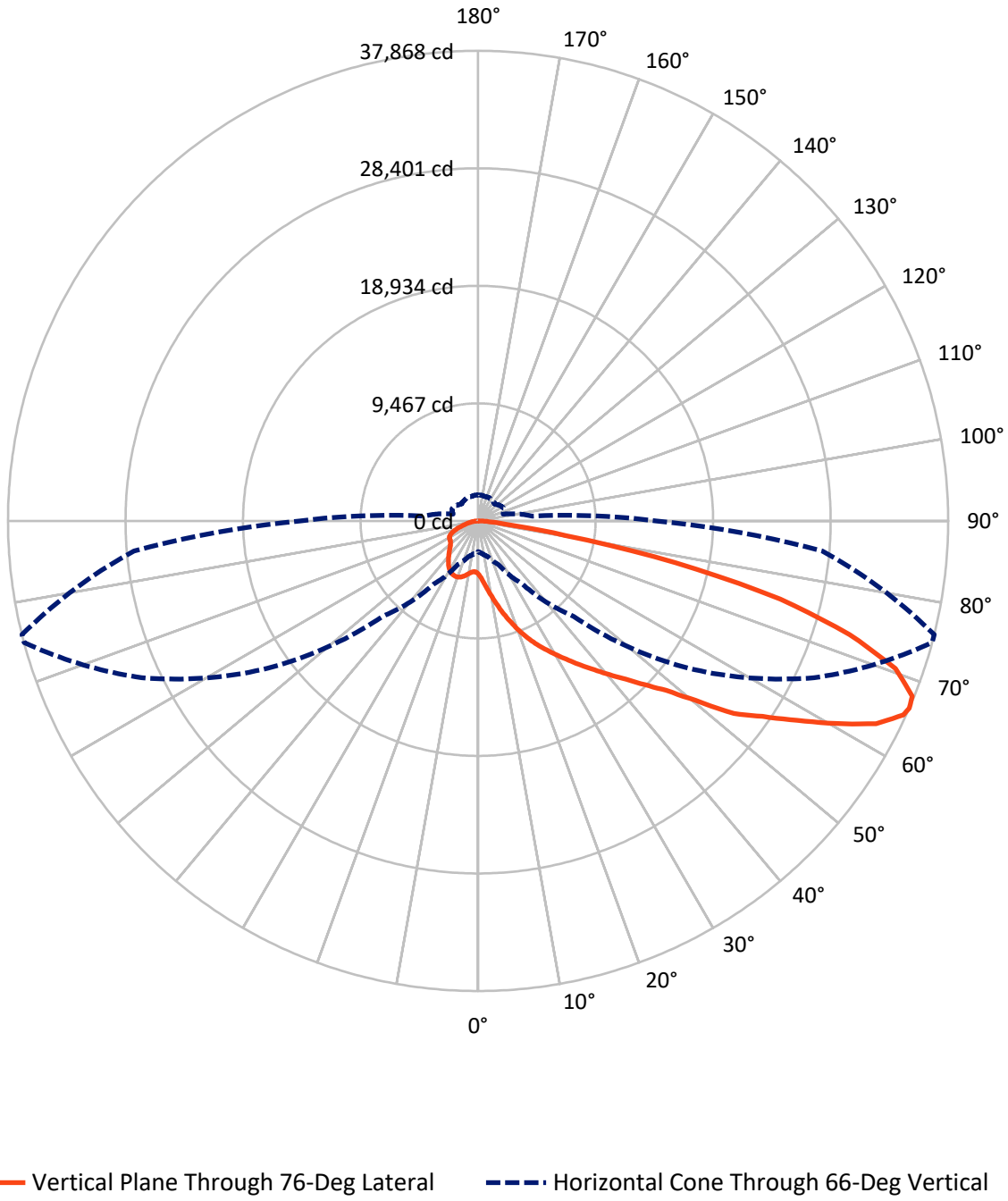
Luminous Intensity Polar Plot



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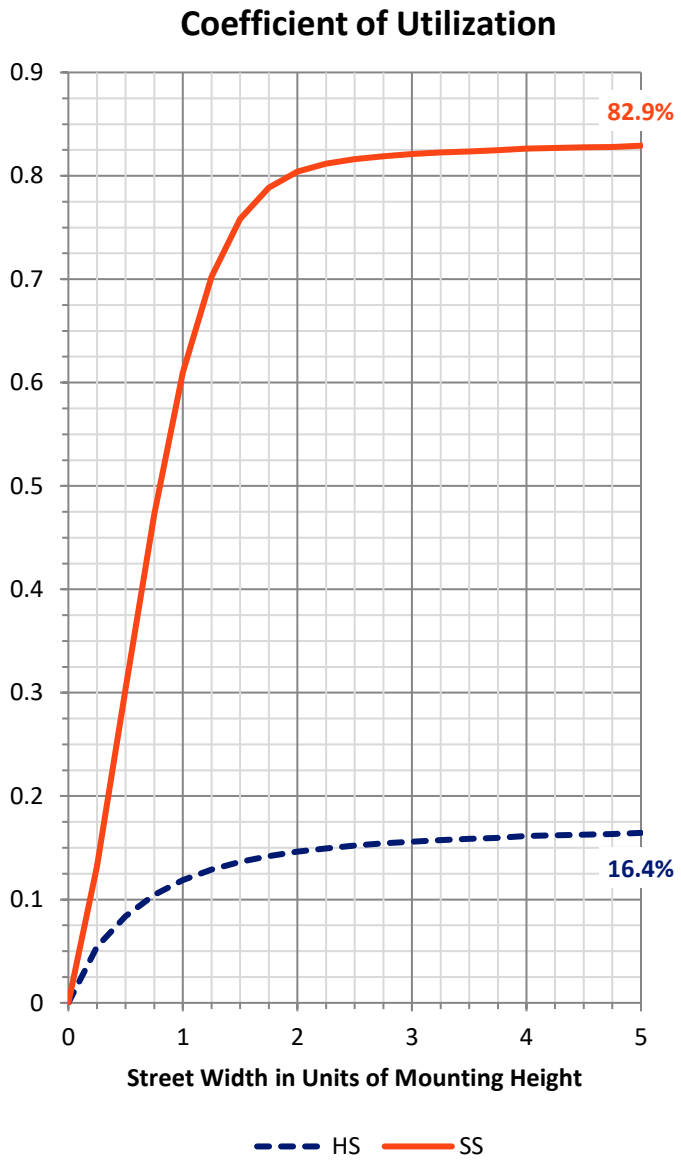
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7896.4	0.0	7896.4
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	39031.6	0.0	39031.6
	% Fixture	83.2	0.0	83.2
Total	Lumens	46928.0	0.0	46928.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.2	1.1
10°-20°	2046.5	4.4
20°-30°	3976.9	8.5
30°-40°	6491.1	13.8
40°-50°	8868.4	18.9
50°-60°	10329.9	22.0
60°-70°	9261.0	19.7
70°-80°	4680.1	10.0
80°-90°	755.8	1.6
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°	46928.0	100.0
0°-180°	46928.0	100.0



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REPORT NUMBER: P317612
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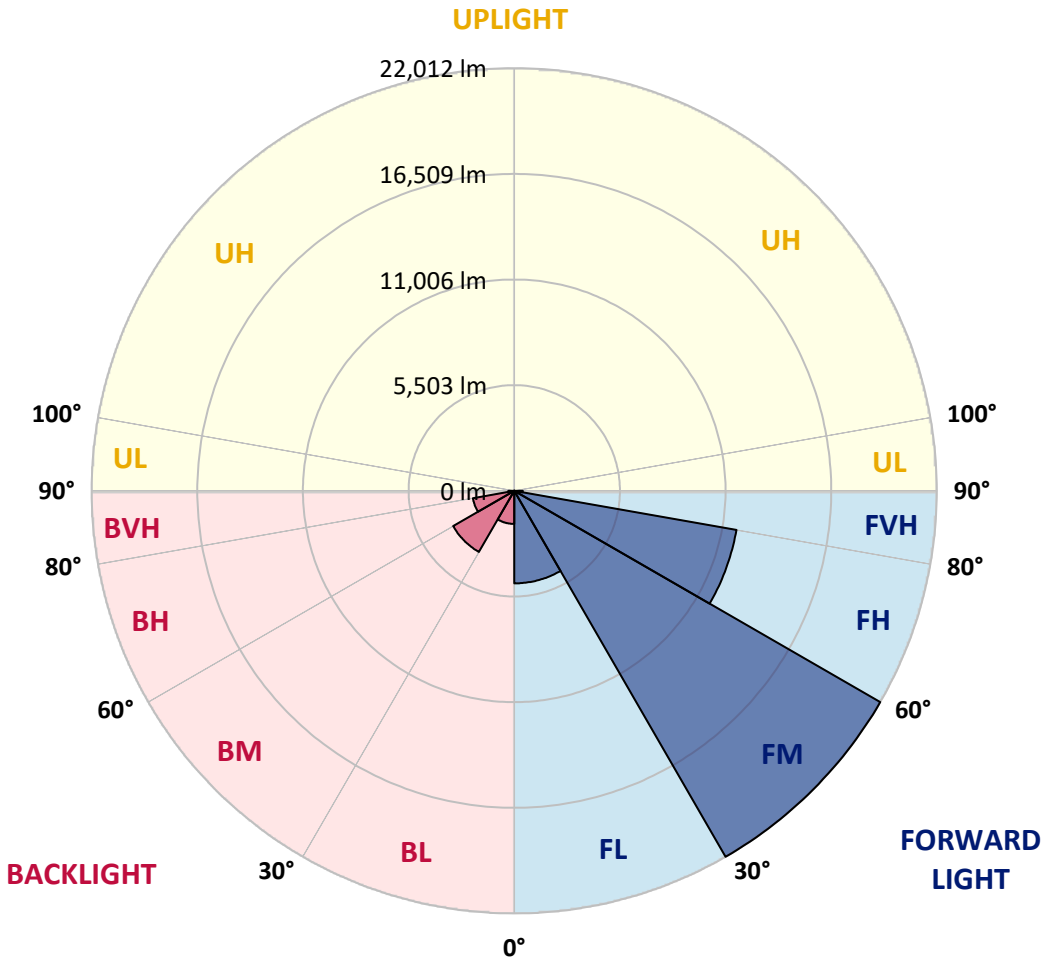
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4819.4	10.3			
FM	(30°-60°)	22012.5	46.9			
FH	(60°-80°)	11753.4	25.0			G4/12000
FVH	(80°-90°)	446.3	1.0			G3/500
BL	(0°-30°)	1722.2	3.7	B3/2500		
BM	(30°-60°)	3677.0	7.8	B3/5000		
BH	(60°-80°)	2187.7	4.7	B3/2500		G3/2500
BVH	(80°-90°)	309.4	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type II Short



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Scaled Data Report

REPORT NUMBER: P317612
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	4285.6	4285.6	4285.6	4285.6	4285.6	4285.6	4285.6	4285.6	4285.6	*4285.6*	4285.6
2.5°	5689.2	5603.1	5595.2	5469.3	5440.6	5200.1	5023.2	4838.4	4628.1	*4586.7*	4421.0
5°	7307.8	7299.8	7189.9	6984.4	6823.5	6412.4	6006.2	5576.0	5104.5	*5028.0*	4655.2
7.5°	8763.9	8751.2	8666.8	8445.3	8212.7	7707.7	7127.8	6468.2	5703.5	*5590.4*	4972.2
10°	9869.6	9864.8	9836.1	9673.6	9476.1	8991.8	8351.3	7451.2	6399.7	*6245.2*	5368.9
12.5°	10723.5	10733.1	10752.2	10694.8	10600.8	10188.2	9531.8	8493.1	7142.1	*6989.2*	5810.2
15°	11301.8	11330.5	11429.3	11510.5	11559.9	11306.6	10670.9	9558.9	7973.7	*7790.5*	6299.3
17.5°	11593.4	11625.2	11795.7	12041.1	12267.3	12241.8	11736.8	10575.4	8771.9	*8595.1*	6825.1
20°	11845.1	11869.0	12060.2	12354.9	12754.8	12931.6	12648.1	11553.6	9646.5	*9436.3*	7382.7
22.5°	12574.8	12605.0	12662.4	12829.7	13183.4	13508.4	13371.3	12479.2	10447.9	*10251.9*	7911.6
25°	13983.1	14019.8	13895.5	13753.7	13820.6	14046.8	14072.3	13323.5	11260.4	*11039.0*	8480.4
27.5°	15679.8	15732.4	15520.5	15155.7	14837.0	14749.4	14719.2	14015.0	12036.3	*11779.8*	9042.7
30°	17341.5	17432.3	17156.7	16683.5	16098.8	15687.8	15383.5	14692.1	12801.0	*12555.6*	9573.3
32.5°	18964.9	18928.3	18528.4	18066.4	17381.3	16866.7	16130.7	15418.5	13661.3	*13379.3*	10100.6
35°	20076.9	20089.7	19718.5	19170.4	18517.2	18122.1	17131.2	16202.4	14539.1	*14279.4*	10699.6
37.5°	21023.3	20964.3	20543.7	20032.3	19469.9	19301.1	18302.2	17065.9	15490.2	*15206.7*	11336.9
40°	21338.7	21270.2	20994.6	20626.6	20175.7	20161.4	19594.2	18044.1	16565.6	*16285.2*	12055.4
42.5°	21147.5	21059.9	20946.8	20846.4	20707.8	20771.5	20808.2	19191.1	17747.7	*17433.9*	12887.0
45°	20441.8	20309.5	20389.2	20607.4	20908.6	21268.6	21904.3	20460.9	19071.6	*18808.8*	13863.6
47.5°	19356.8	19237.3	19485.9	19952.7	20771.5	21682.8	22941.4	21862.9	20652.1	*20390.8*	15254.5
50°	17830.6	17865.6	18220.9	19070.1	20307.9	21874.0	24219.1	23718.9	22949.4	*22705.6*	17151.9
52.5°	15326.1	15332.5	16333.0	17727.0	19485.9	21775.2	24928.1	26091.1	26086.3	*25791.6*	18958.5
55°	13000.1	13141.9	13933.7	15786.6	18154.0	21380.1	25423.6	27244.5	28146.3	*27800.5*	20642.5
57.5°	10728.3	10811.1	11561.5	13422.3	16253.4	20327.1	25931.8	28629.0	30520.1	*30301.8*	22735.9
60°	8144.2	8271.7	9047.5	10766.5	13822.2	18458.3	25979.6	30074.0	33357.5	*33137.6*	25073.1
62.5°	5286.1	5505.9	6232.4	7843.1	10881.2	15770.6	24870.7	31018.7	36046.7	*35968.6*	27147.3
65°	3038.1	3203.8	3708.9	4951.5	7506.9	12396.3	22234.1	30655.5	37702.0	*37657.4*	27923.2
66°	*2482.1*	*2585.7*	*2972.8*	*3869.8*	*6194.2*	*10886.0*	*20701.4*	*29889.2*	*37866.1*	*37867.7*	*27834.0*
67.5°	1985.1	2031.3	2204.9	2770.5	4570.8	8628.5	17962.8	28198.8	37662.2	*37717.9*	27258.9
70°	1642.5	1666.4	1720.6	1857.6	2494.9	5203.2	12750.0	23806.5	35615.0	*35658.0*	25014.1
72.5°	1473.7	1488.0	1508.7	1527.8	1760.4	2907.5	7787.3	19044.6	31225.8	*31281.6*	21593.6
75°	1335.1	1343.0	1339.8	1341.4	1476.9	1852.8	4024.3	14218.9	25248.3	*25136.8*	16541.7
77.5°	1172.6	1180.5	1164.6	1167.8	1306.4	1424.3	2002.6	9954.0	17038.8	*16251.8*	9320.0
80°	990.9	997.3	990.9	1002.1	1137.5	1075.4	1164.6	5599.9	7534.0	*7126.2*	3313.8
82.5°	748.8	775.9	795.0	839.6	936.8	764.7	779.1	2181.0	2294.1	*2184.2*	1016.4
85°	328.2	399.9	599.0	642.0	704.2	458.8	511.4	889.0	933.6	*904.9*	369.6
87.5°	86.0	94.0	296.3	372.8	390.3	207.1	266.1	404.7	427.0	*404.7*	122.7
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: P317612
CATALOG NUMBER: GLEON-SA8C-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4285.6	4285.6	4285.6	4285.6	4285.6	4285.6	4285.6	4285.6	4285.6	4285.6	4285.6
2.5°	4333.4	4255.3	4115.1	3990.9	3896.9	3833.1	3769.4	3737.5	3718.4	3699.3	3702.5
5°	4472.0	4314.3	4073.7	3903.2	3807.6	3747.1	3715.2	3702.5	3694.5	3675.4	3675.4
7.5°	4680.7	4457.6	4126.3	3951.0	3876.1	3829.9	3810.8	3804.5	3794.9	3772.6	3775.8
10°	4943.6	4631.3	4236.2	4065.7	3997.2	3946.2	3919.2	3909.6	3892.1	3866.6	3869.8
12.5°	5252.6	4846.4	4381.2	4202.7	4119.9	4051.4	4006.8	3979.7	3949.4	3916.0	3917.6
15°	5590.4	5080.6	4537.3	4325.4	4212.3	4116.7	4045.0	3998.8	3951.0	3909.6	3908.0
17.5°	5932.9	5306.8	4656.8	4392.3	4239.4	4113.5	4016.3	3944.6	3885.7	3834.7	3829.9
20°	6302.5	5510.7	4723.7	4386.0	4188.4	4038.6	3909.6	3820.4	3755.1	3704.1	3696.1
22.5°	6678.5	5701.9	4734.9	4320.6	4075.3	3892.1	3756.7	3657.9	3591.0	3538.4	3519.3
25°	7022.6	5850.1	4688.7	4194.8	3917.6	3720.0	3587.8	3487.4	3433.2	3371.1	3352.0
27.5°	7336.5	5953.6	4596.2	4033.9	3740.7	3546.4	3422.1	3336.1	3277.1	3229.3	3213.4
30°	7618.5	6009.4	4444.9	3842.7	3559.1	3382.3	3277.1	3218.2	3167.2	3106.7	3095.5
32.5°	7886.1	6009.4	4250.5	3634.0	3379.1	3237.3	3175.2	3138.5	3081.2	3022.2	3006.3
35°	8153.8	5972.7	4021.1	3415.7	3213.4	3133.7	3130.5	3087.5	2999.9	2920.3	2899.5
37.5°	8435.8	5897.9	3763.0	3211.8	3078.0	3087.5	3114.6	3019.0	2894.8	2781.6	2751.4
40°	8754.4	5794.3	3495.4	3035.0	2964.9	3066.8	3071.6	2920.3	2678.1	2574.5	2547.5
42.5°	9128.8	5690.7	3246.8	2878.8	2875.6	3004.7	2990.4	2706.8	2561.8	2509.2	2494.9
45°	9621.1	5631.8	3011.1	2730.7	2805.5	2904.3	2851.7	2588.9	2528.3	2498.1	2485.3
47.5°	10396.9	5662.1	2794.4	2612.8	2735.4	2804.0	2593.7	2541.1	2498.1	2461.4	2448.7
50°	11368.7	5644.5	2619.1	2531.5	2655.8	2698.8	2477.4	2478.9	2456.6	2415.2	2396.1
52.5°	12100.0	5507.5	2506.0	2485.3	2585.7	2512.4	2404.1	2418.4	2407.3	2346.7	2326.0
55°	12805.8	5389.6	2448.7	2467.8	2534.7	2279.8	2318.0	2353.1	2341.9	2283.0	2273.4
57.5°	13683.6	5367.3	2413.6	2472.6	2491.7	2163.5	2235.2	2281.4	2273.4	2247.9	2243.2
60°	14759.0	5373.7	2381.8	2480.5	2443.9	2077.5	2157.1	2216.1	2220.9	2216.1	2212.9
62.5°	15350.0	5200.1	2302.1	2458.2	2359.5	2002.6	2075.9	2161.9	2163.5	2173.1	2171.5
65°	14848.2	4680.7	2153.9	2380.2	2217.7	1940.5	2005.8	2099.8	2075.9	2118.9	2118.9
66°	*14360.7*	*4381.2*	*2080.7*	*2329.2*	*2157.1*	*1916.6*	*1983.5*	*2067.9*	*2037.6*	*2096.6*	*2096.6*
67.5°	13365.0	3876.1	1948.4	2220.9	2071.1	1883.1	1958.0	2015.3	1973.9	2061.5	2055.2
70°	11545.6	2998.3	1682.4	1975.5	1929.3	1833.7	1922.9	1910.2	1849.7	1983.5	1958.0
72.5°	9734.2	2278.2	1351.0	1653.7	1714.2	1771.6	1873.5	1776.4	1699.9	1793.9	1738.1
75°	7553.1	1712.6	1067.4	1285.7	1448.2	1674.4	1814.6	1621.8	1511.9	1502.3	1472.1
77.5°	4083.3	1175.7	846.0	981.4	1150.3	1553.3	1774.8	1456.1	1290.5	1252.2	1228.3
80°	1617.1	764.7	615.0	744.0	804.5	1378.1	1679.2	1263.4	1064.2	1026.0	989.3
82.5°	667.5	452.5	396.7	498.7	524.1	1178.9	1507.1	1035.6	822.1	1137.5	1207.6
85°	286.8	248.5	235.8	258.1	296.3	826.8	1199.6	790.2	887.4	791.8	629.3
87.5°	86.0	105.1	100.4	98.8	108.3	197.6	638.9	439.7	651.6	246.9	184.8
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

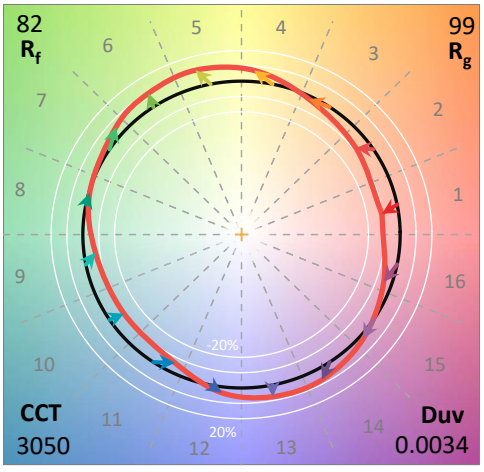
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

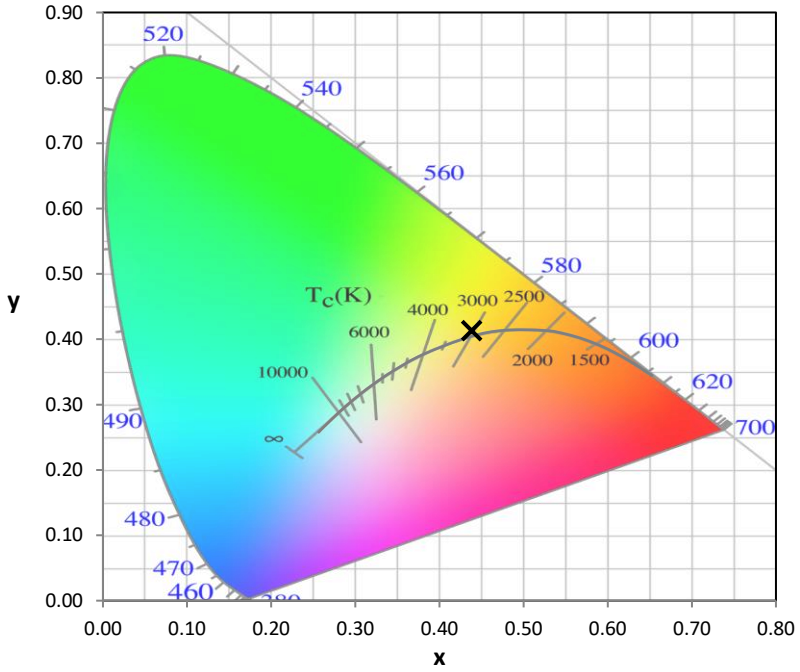
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

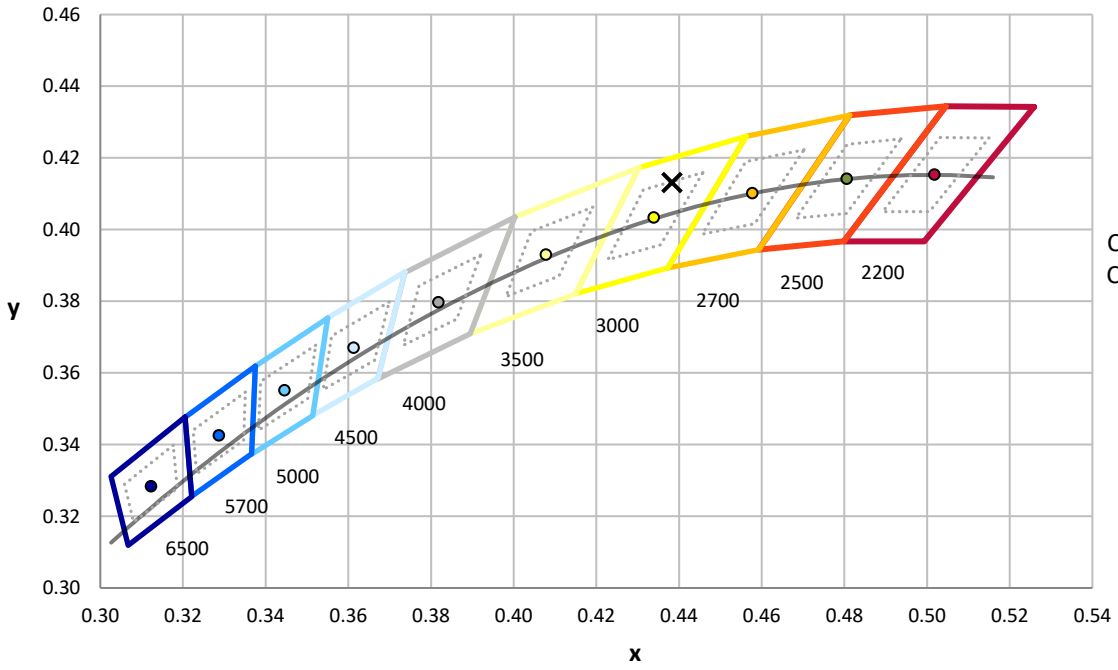
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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

Point lies inside the ANSI 3000K 4-step quadrangle

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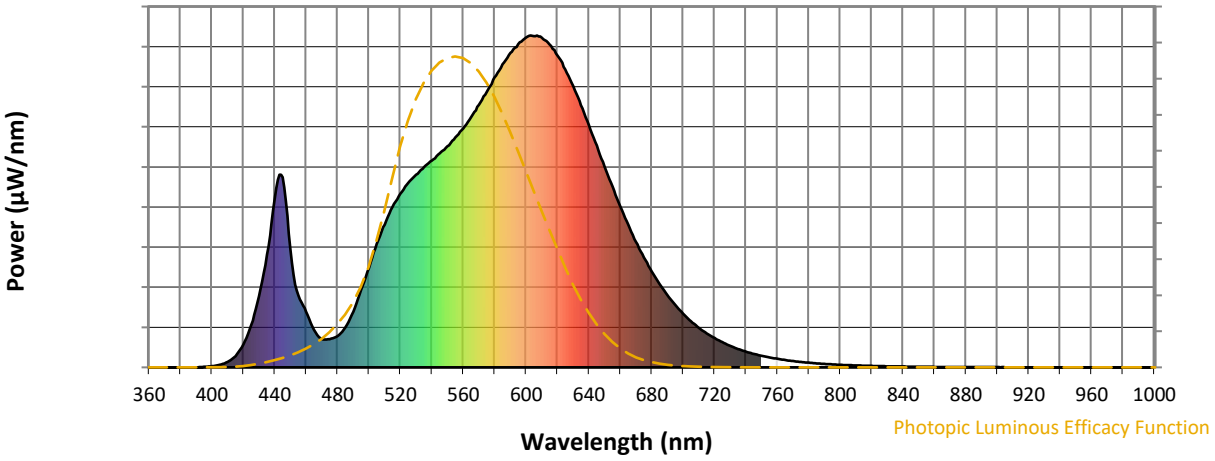
Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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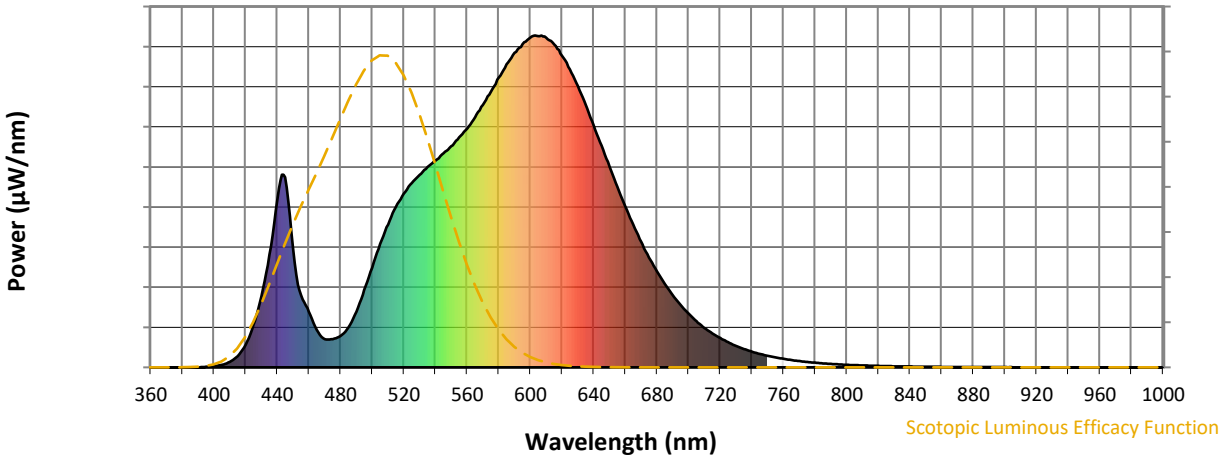
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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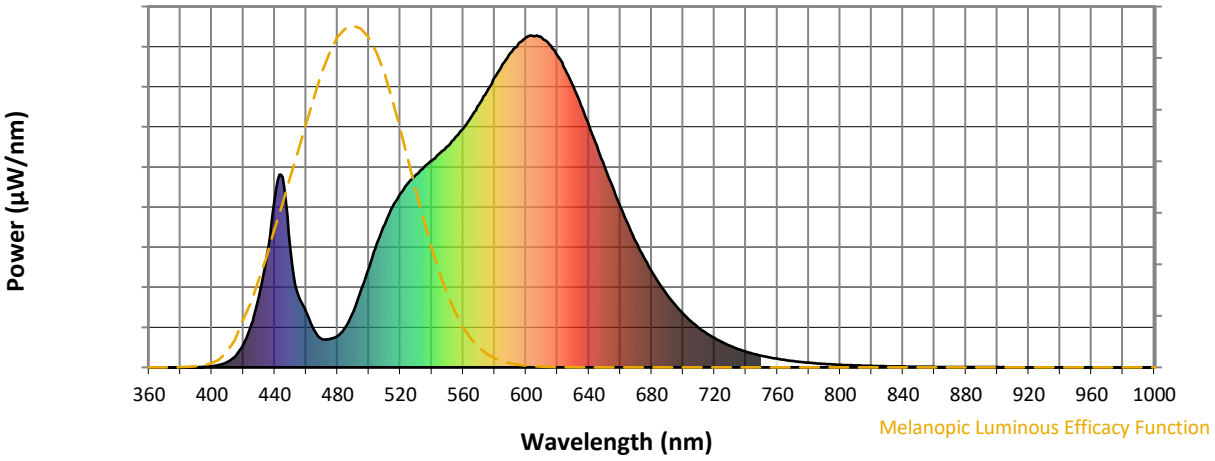
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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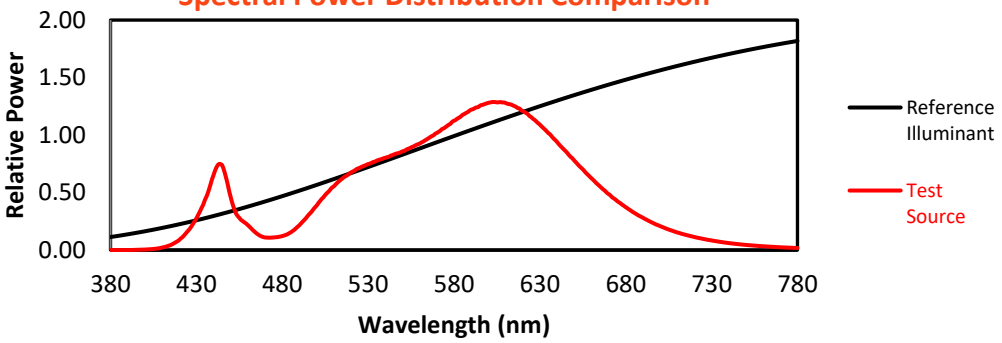
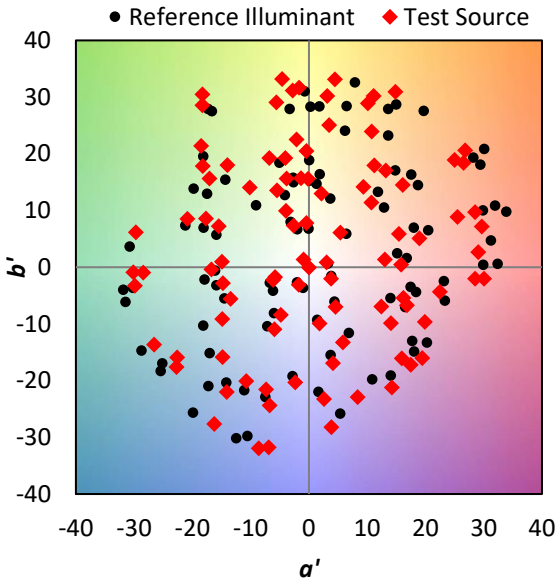
Summary

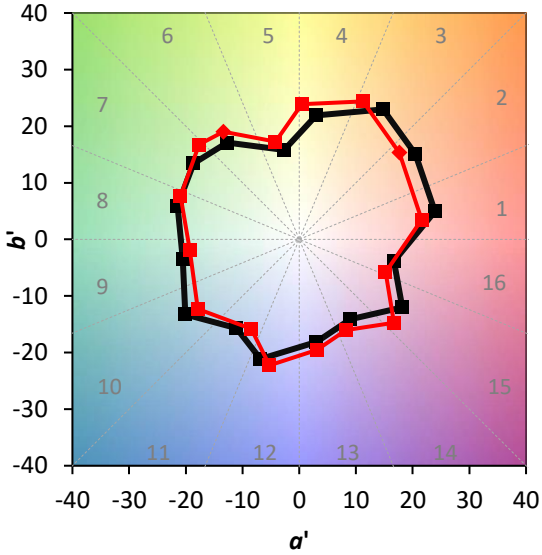
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

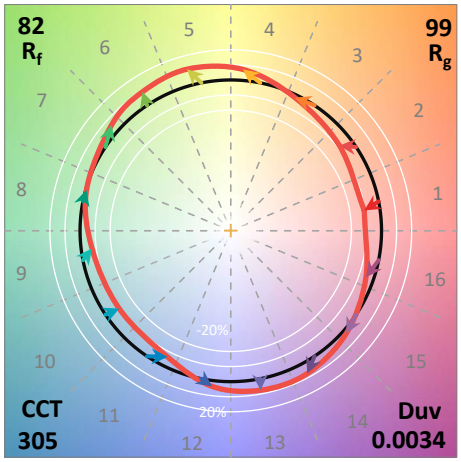
Spectral Power Distribution Comparison

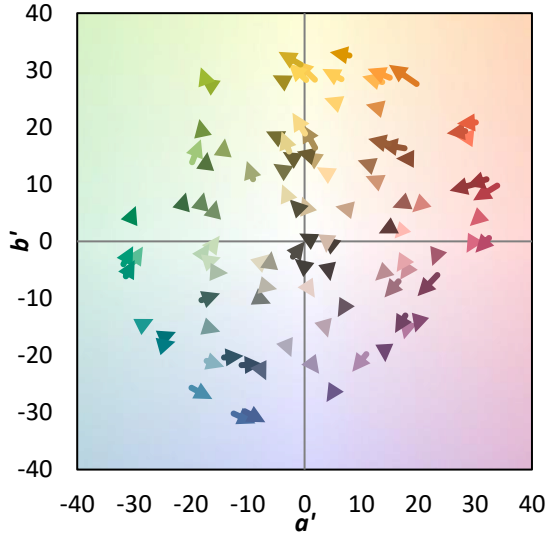


Color Vector Graphics









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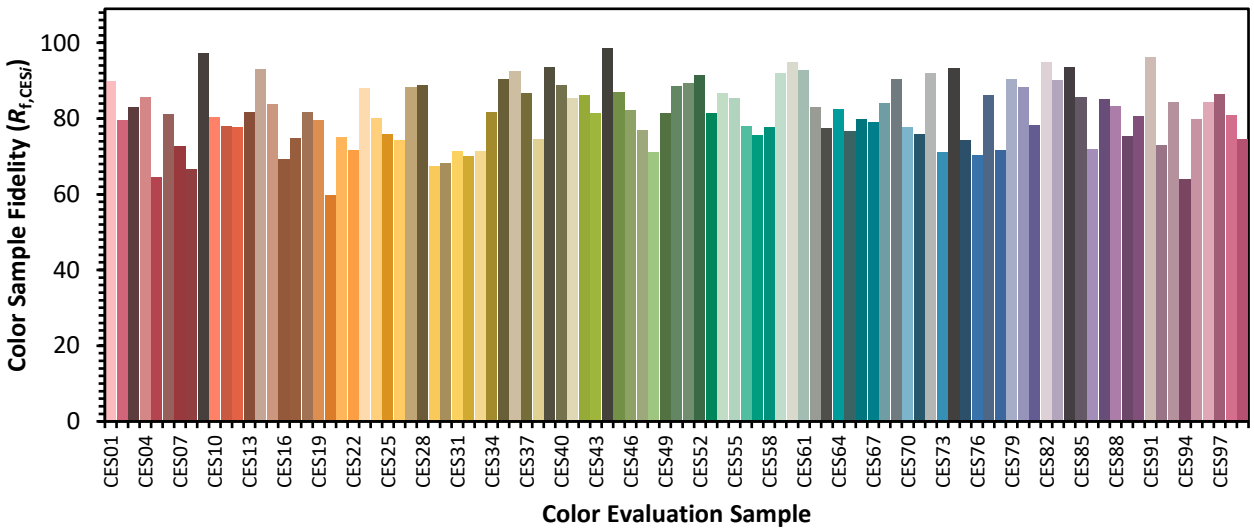
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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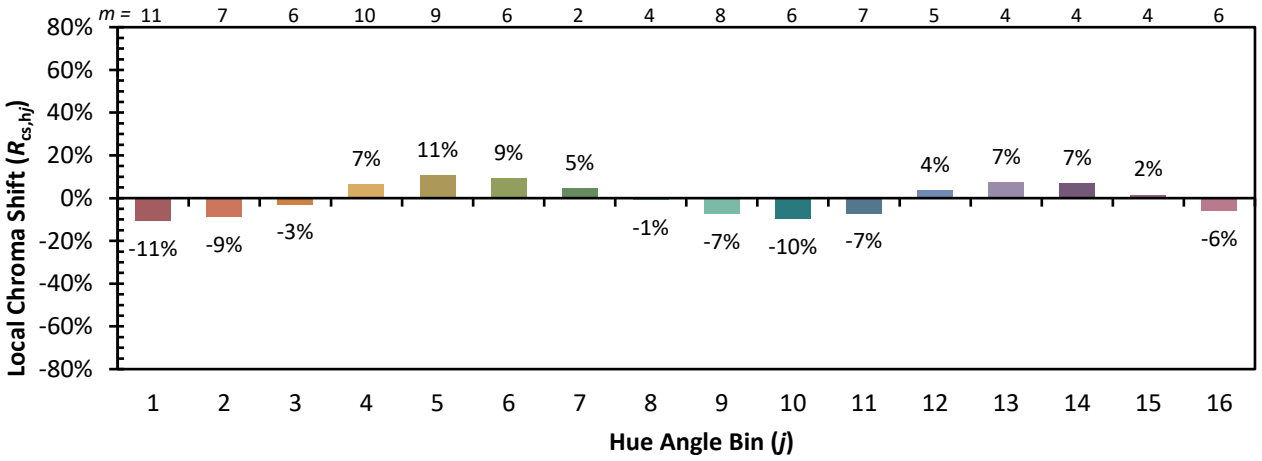
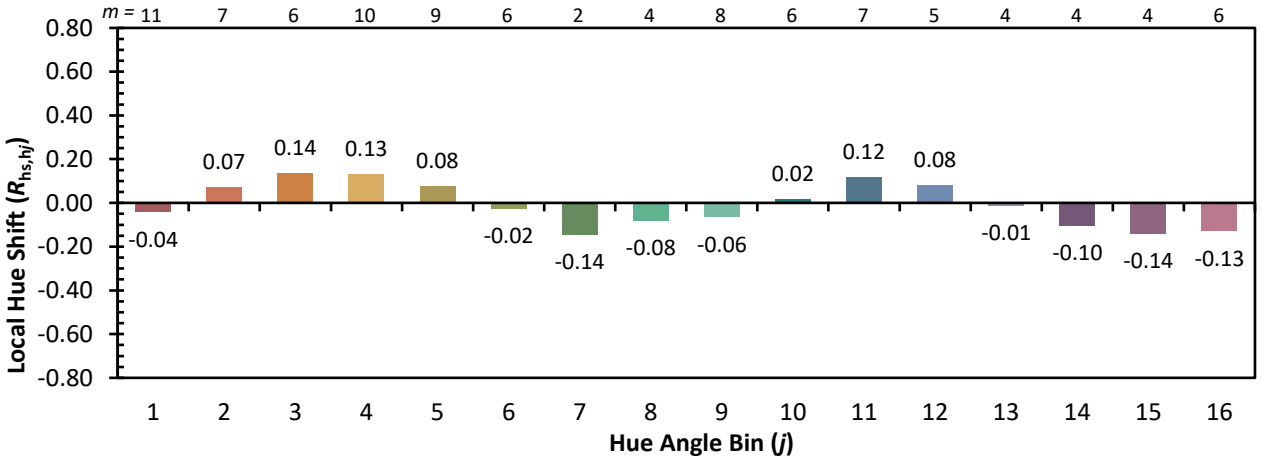
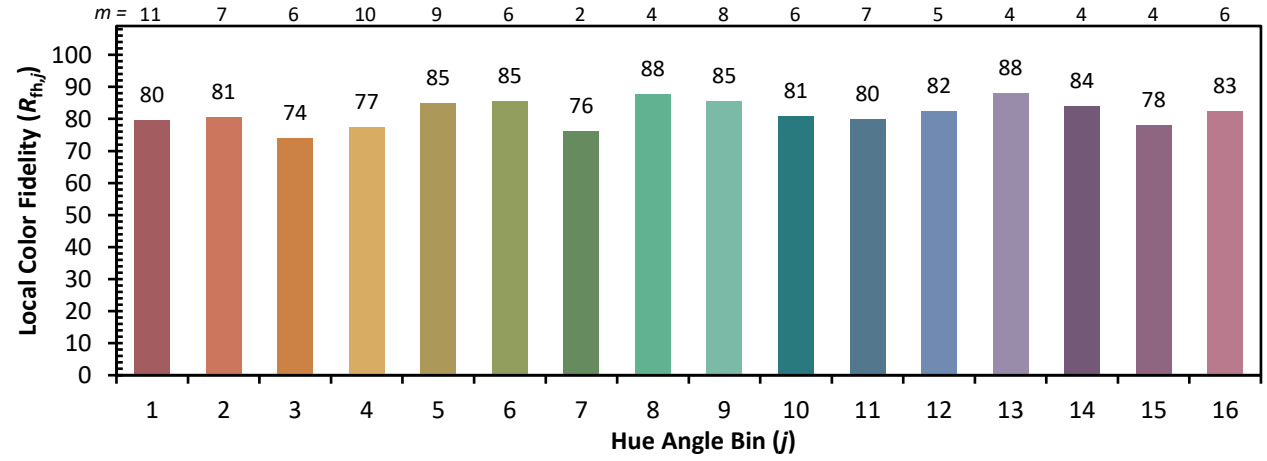
Color Rendition by Hue-Angle Bin







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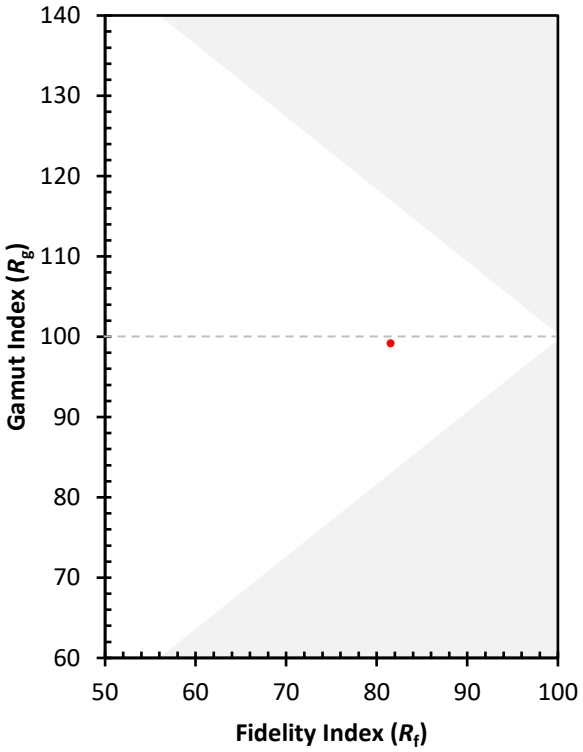
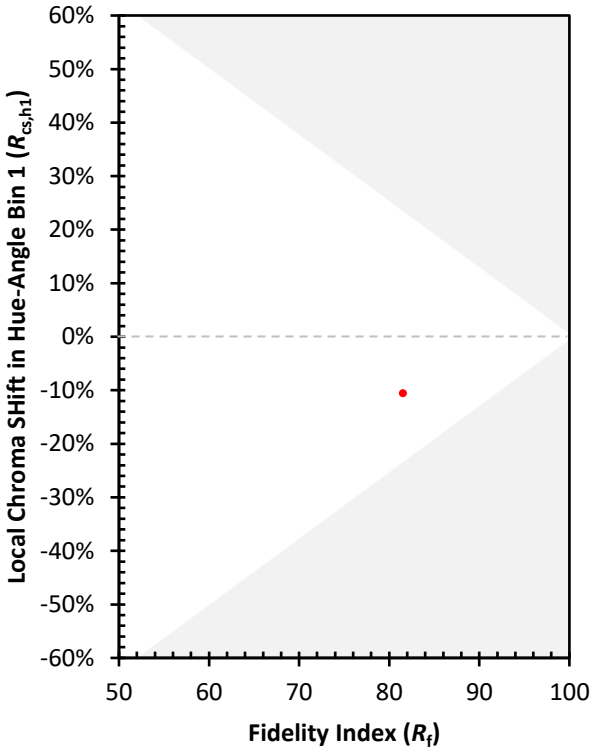
Measure Comparisons





(END OF REPORT)