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: P323674

Luminaire Tested: **GLEON-SA0A-830-U-SL3-HSS**

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:	P323674
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA0A-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
	SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	31314 lumens
Efficiency:	N/A
Efficacy:	96.9 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	323
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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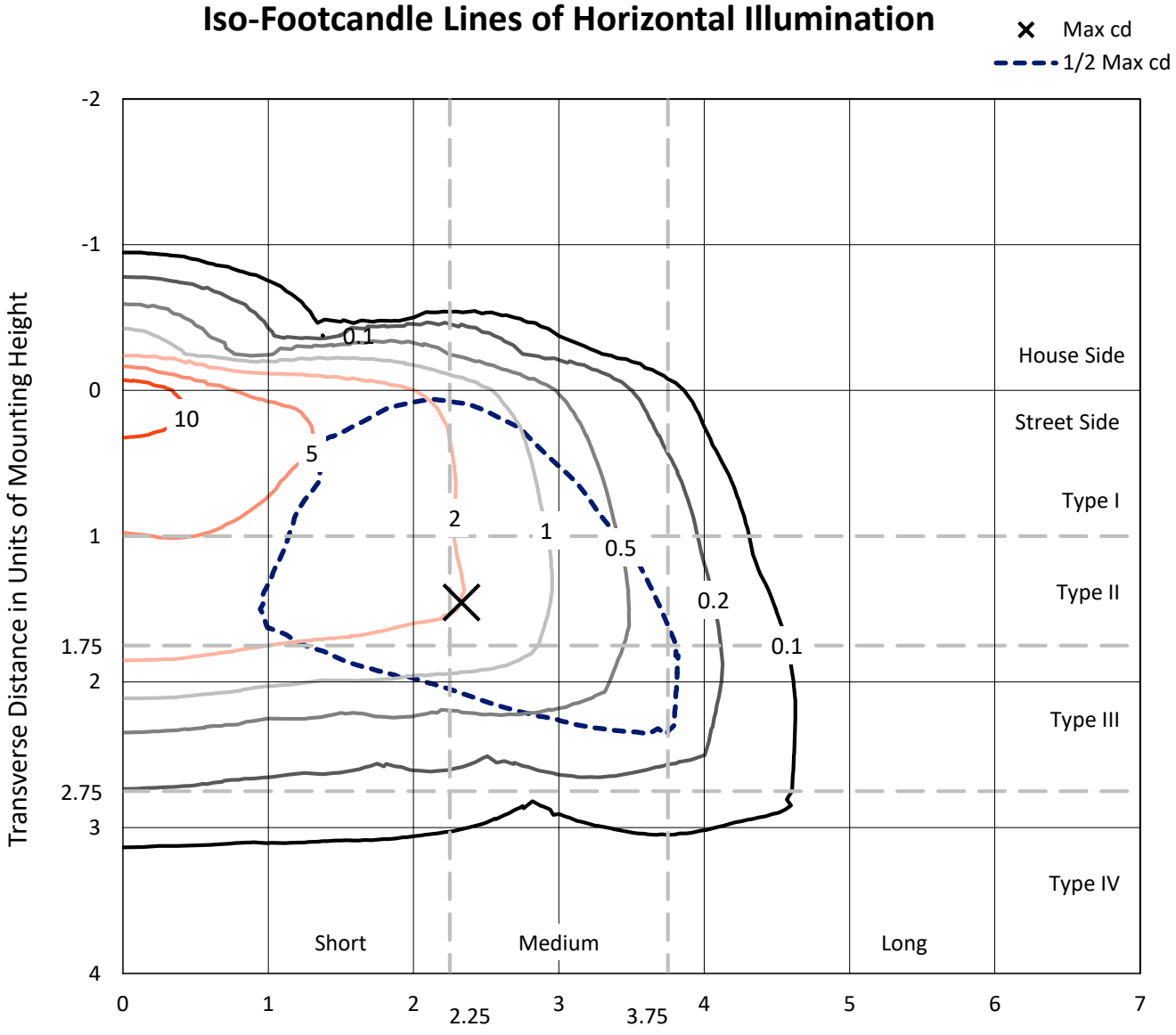
Scaled Data Report

REPORT NUMBER: P323674
CATALOG NUMBER: GLEON-SA0A-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 15 fc
Type III - Medium - N/A

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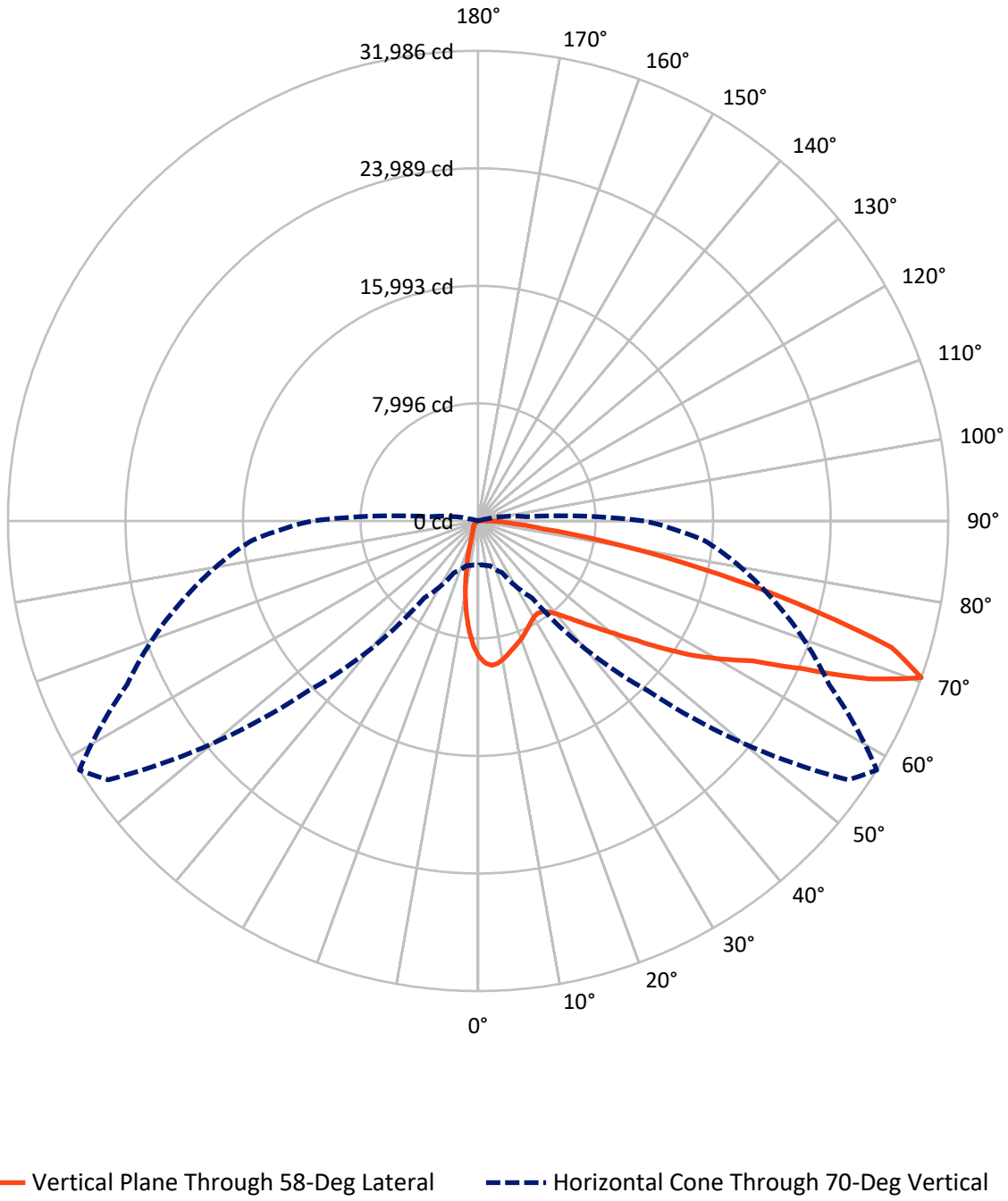
Luminous Intensity Polar Plot



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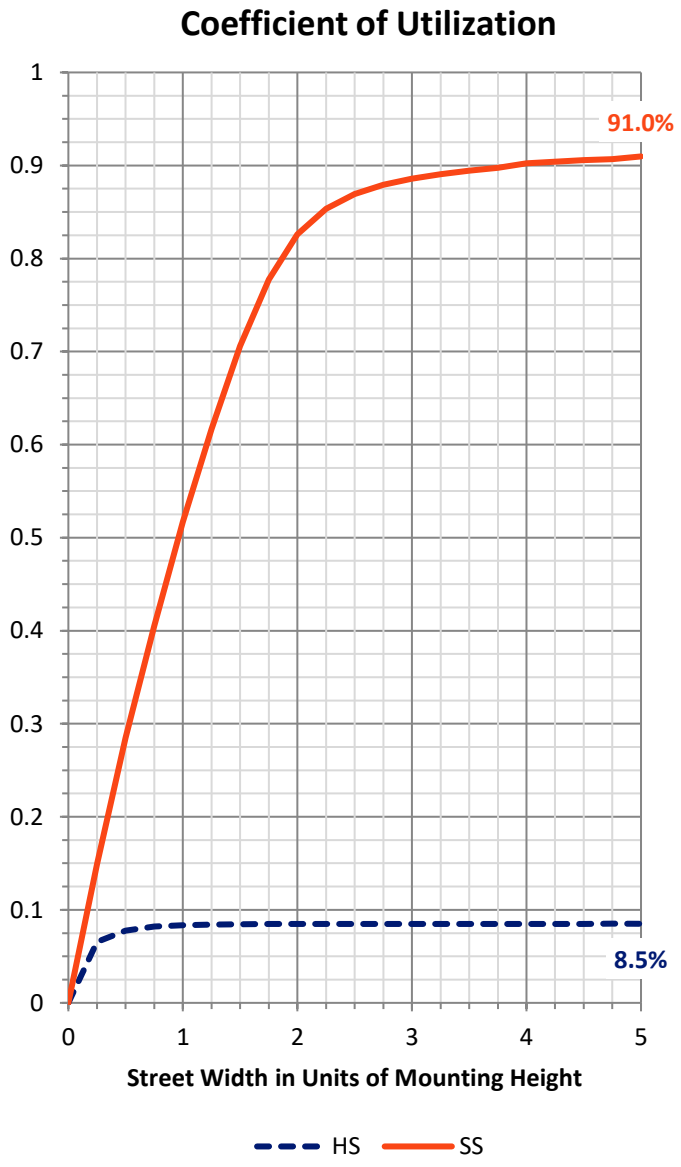
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2679.8	0.0	2679.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	28634.2	0.0	28634.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	31314.0	0.0	31314.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	756.4	2.4
10°-20°	1587.5	5.1
20°-30°	2087.1	6.7
30°-40°	2764.1	8.8
40°-50°	4131.4	13.2
50°-60°	6618.4	21.1
60°-70°	8342.4	26.6
70°-80°	4499.9	14.4
80°-90°	526.7	1.7
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°	31314.0	100.0
0°-180°	31314.0	100.0



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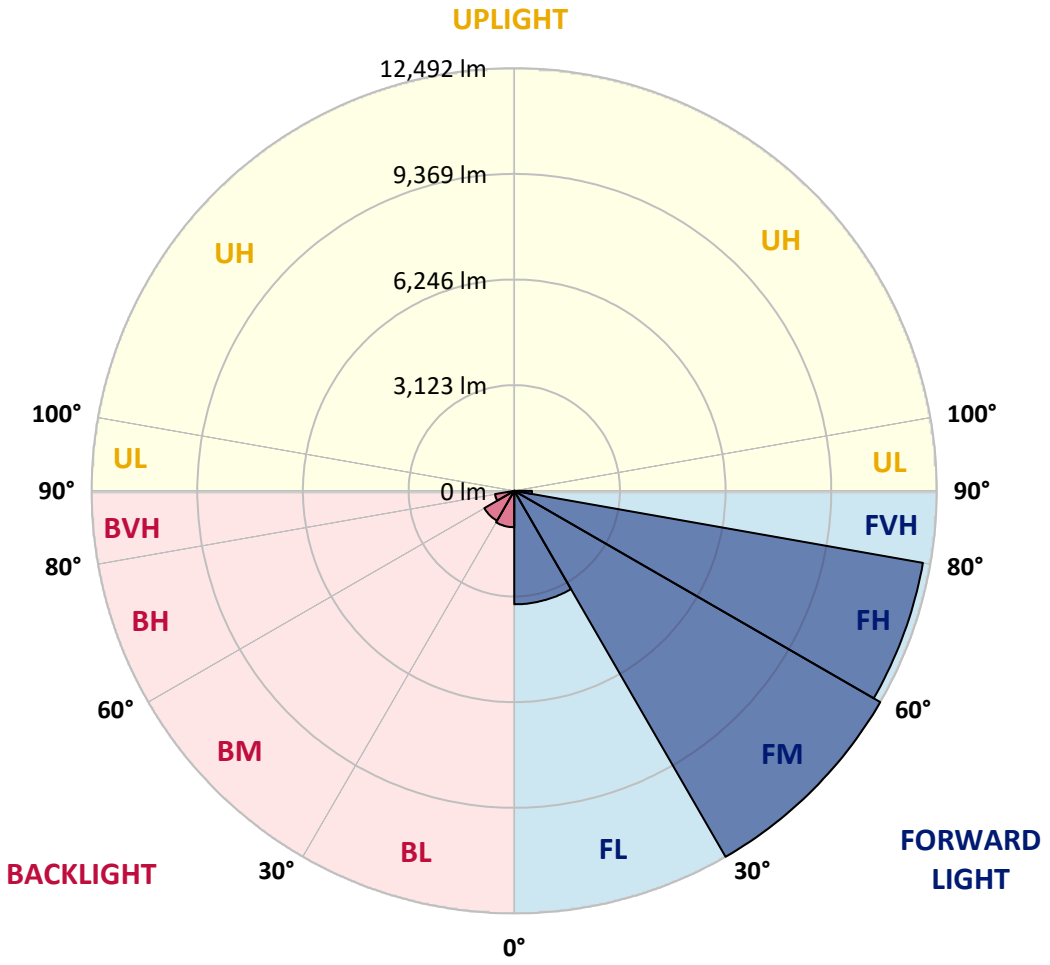
REPORT NUMBER: P323674
CATALOG NUMBER: GLEON-SA0A-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3354.4	10.7			
FM	(30°-60°)	12491.6	39.9			
FH	(60°-80°)	12266.0	39.2			G5
FVH	(80°-90°)	522.2	1.7			G4/750
BL	(0°-30°)	1076.6	3.4	B3/2500		
BM	(30°-60°)	1022.3	3.3	B2/2500		
BH	(60°-80°)	576.3	1.8	B2/1000		G2/1000
BVH	(80°-90°)	4.5	0.0			G0/10
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: P323674
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9250.0	9250.0	9250.0	9250.0	9250.0	9250.0	9250.0	*9250.0*	9250.0	9250.0	9250.0
2.5°	10016.9	9992.2	9983.1	9967.5	9907.6	9849.0	9733.1	*9700.5*	9627.6	9454.4	9270.8
5°	10024.7	10023.4	10050.8	10044.3	10023.4	9996.1	9912.8	*9869.8*	9746.1	9498.7	9162.8
7.5°	9541.7	9566.4	9627.6	9677.1	9734.4	9808.6	9819.0	*9777.4*	9675.8	9408.9	8963.5
10°	8893.2	8932.3	9018.2	9115.9	9265.6	9414.1	9546.9	*9541.7*	9506.5	9243.5	8724.0
12.5°	8243.5	8289.1	8388.0	8532.6	8744.8	8987.0	9224.0	*9256.5*	9315.1	9095.1	8502.6
15°	7674.5	7713.5	7811.2	7988.3	8251.3	8576.8	8924.5	*8984.4*	9135.4	8979.2	8317.7
17.5°	7191.4	7216.2	7287.8	7484.4	7789.1	8183.6	8635.4	*8752.6*	8977.9	8888.0	8157.6
20°	6854.2	6858.1	6905.0	7043.0	7347.7	7789.1	8335.9	*8503.9*	8811.2	8809.9	7992.2
22.5°	6687.5	6674.5	6683.6	6763.0	6987.0	7412.8	8036.5	*8235.7*	8661.5	8743.5	7824.2
25°	6656.3	6645.8	6619.8	6630.2	6765.6	7083.3	7734.4	*7964.9*	8530.0	8703.1	7678.4
27.5°	6753.9	6764.3	6720.1	6673.2	6683.6	6869.8	7466.2	*7733.1*	8423.2	8703.1	7575.5
30°	6950.5	6955.7	6923.2	6862.0	6780.0	6809.9	7280.0	*7546.9*	8369.8	8763.0	7510.4
32.5°	7168.0	7196.6	7192.7	7143.2	7026.0	6905.0	7235.7	*7479.2*	8365.9	8895.8	7503.9
35°	7437.5	7470.1	7524.7	7514.3	7391.9	7192.7	7386.7	*7578.1*	8442.7	9114.6	7574.2
37.5°	7724.0	7773.4	7890.6	7946.6	7867.2	7641.9	7725.3	*7862.0*	8648.4	9468.8	7752.6
40°	8001.3	8057.3	8270.8	8490.9	8431.0	8199.2	8238.3	*8347.7*	9014.3	9977.9	8091.2
42.5°	8273.4	8356.8	8670.6	9032.6	9104.2	8919.3	8940.1	*9027.4*	9557.3	10678.4	8644.5
45°	8599.0	8692.7	9157.6	9604.2	9795.6	9714.9	9803.4	*9860.7*	10266.9	11604.2	9390.6
47.5°	9076.8	9184.9	9755.2	10264.3	10600.3	10652.4	10830.7	*10868.5*	11164.1	12682.3	10363.3
50°	10009.1	10039.1	10554.7	11016.9	11501.3	11813.8	12016.9	*12045.6*	12250.0	13860.7	11578.1
52.5°	11182.3	11201.8	11493.5	11803.4	12354.2	12992.2	13467.5	*13507.8*	13550.8	15009.1	12777.4
55°	12347.7	12345.1	12537.8	12720.1	13350.3	14277.4	15308.6	*15333.3*	15024.8	16099.0	13694.0
57.5°	13075.5	13145.8	13438.8	13673.2	14553.4	15742.2	17173.2	*17264.3*	16572.9	16906.3	14600.3
60°	12843.8	12877.6	13527.4	14394.5	16052.1	17824.2	19059.9	*19083.3*	17737.0	17712.3	15746.1
62.5°	10942.7	10960.9	11981.8	13769.5	16811.2	20524.8	21336.0	*20954.4*	19075.5	18830.7	17117.2
65°	7500.0	7618.5	8471.4	10681.0	15416.7	22218.8	24859.4	*24227.9*	21115.9	20442.7	18356.8
67.5°	4416.7	4391.9	4813.8	6441.4	11322.9	21093.8	29316.4	*28688.8*	23898.5	21522.2	17993.5
70°	*3016.9*	*3000.0*	*3161.5*	*3899.7*	*6391.9*	*16363.3*	*30718.8*	*31985.7*	*26355.5*	*20795.6*	*15485.7*
72.5°	2153.6	2162.8	2401.0	3030.0	4013.0	9533.9	26416.7	*29415.4*	25586.0	18128.9	11770.8
75°	1462.2	1487.0	1828.1	2485.7	3518.2	4850.3	18746.1	*22360.7*	20834.7	13175.8	6765.6
77.5°	786.5	813.8	1216.1	2002.6	3181.0	3369.8	12058.6	*15389.3*	13087.3	5923.2	1960.9
80°	328.1	343.8	569.0	1455.7	2748.7	2959.6	7095.1	*9332.0*	5576.8	1168.0	437.5
82.5°	141.9	149.7	237.0	868.5	2054.7	2498.7	3756.5	*4489.6*	1690.1	256.5	220.1
85°	27.3	28.6	97.7	459.6	1311.2	1410.2	2434.9	*2386.7*	759.1	110.7	160.2
87.5°	0.0	0.0	23.4	144.5	385.4	768.2	1485.7	*1467.4*	257.8	53.4	59.9
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: P323674
CATALOG NUMBER: GLEON-SA0A-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9250.0	9250.0	9250.0	9250.0	9250.0	9250.0	9250.0	9250.0	9250.0	9250.0	9250.0
2.5°	9177.1	9087.2	8898.4	8665.4	8487.0	8290.4	8134.1	7936.2	7850.3	7854.2	7807.3
5°	8971.4	8786.5	8368.5	7841.2	7434.9	7015.6	6655.0	6295.6	6083.3	6014.3	5949.2
7.5°	8677.1	8384.1	7717.5	6905.0	6217.5	5545.6	4960.9	4446.6	4121.1	3962.2	3903.6
10°	8345.1	7933.6	6968.8	5898.4	4916.7	4007.8	3250.0	2591.1	2328.1	2149.7	2104.2
12.5°	8053.4	7496.1	6237.0	4865.9	3700.5	2604.2	1881.5	1471.4	1293.0	1222.7	1210.9
15°	7778.7	7087.2	5532.6	3931.0	2562.5	1602.9	1196.6	1057.3	1015.6	1003.9	1003.9
17.5°	7519.5	6697.9	4843.8	3010.4	1695.3	1123.7	990.9	959.6	946.6	945.3	946.6
20°	7248.7	6308.6	4166.7	2205.7	1183.6	951.8	915.4	898.4	894.5	894.5	894.5
22.5°	6989.6	5919.3	3507.8	1575.5	949.2	868.5	850.3	838.5	834.6	833.3	830.7
25°	6740.9	5549.5	2864.6	1113.3	833.3	795.6	779.9	764.3	752.6	746.1	742.2
27.5°	6536.5	5220.1	2265.6	893.2	752.6	720.1	700.5	677.1	648.4	635.4	630.2
30°	6373.7	4919.3	1746.1	753.9	677.1	644.5	614.6	574.2	532.6	510.4	509.1
32.5°	6246.1	4623.7	1325.5	666.7	609.4	569.0	526.0	475.3	427.1	402.3	401.0
35°	6183.6	4363.3	1013.0	602.9	549.5	498.7	445.3	389.3	342.4	319.0	316.4
37.5°	6225.3	4143.2	790.4	549.5	498.7	440.1	377.6	319.0	277.3	256.5	255.2
40°	6377.6	4002.6	641.9	503.9	455.7	384.1	316.4	261.7	226.6	209.6	208.3
42.5°	6701.8	3950.5	548.2	466.1	414.1	332.0	263.0	216.1	183.6	171.9	169.3
45°	7243.5	4027.3	484.4	429.7	371.1	282.6	217.4	177.1	148.4	139.3	138.0
47.5°	7964.9	4229.2	438.8	394.5	332.0	238.3	181.0	143.2	121.1	112.0	110.7
50°	8894.5	4549.5	401.0	359.4	295.6	201.8	149.7	113.3	93.8	87.2	87.2
52.5°	9906.3	4931.0	367.2	326.8	259.1	168.0	121.1	87.2	74.2	66.4	66.4
55°	10742.2	5264.3	330.7	302.1	214.8	139.3	92.4	66.4	54.7	50.8	50.8
57.5°	11576.8	5619.8	289.1	259.1	171.9	113.3	70.3	49.5	40.4	37.8	37.8
60°	12658.9	6054.7	248.7	210.9	135.4	85.9	52.1	35.2	29.9	28.6	28.6
62.5°	13849.0	6309.9	212.2	169.3	105.5	63.8	37.8	23.4	22.1	22.1	20.8
65°	14576.8	5949.2	178.4	135.4	82.0	48.2	24.7	16.9	19.5	18.2	15.6
67.5°	13648.4	4657.6	145.8	105.5	63.8	36.5	15.6	11.7	20.8	16.9	13.0
70°	*11300.8*	*3260.4*	*113.3*	*74.2*	*50.8*	*31.3*	*10.4*	*7.8*	*22.1*	*16.9*	*10.4*
72.5°	8457.0	2182.3	89.8	49.5	37.8	27.3	9.1	3.9	19.5	14.3	9.1
75°	4621.1	878.9	71.6	31.3	23.4	19.5	6.5	2.6	13.0	10.4	6.5
77.5°	1216.1	231.8	52.1	20.8	13.0	7.8	3.9	1.3	6.5	5.2	2.6
80°	309.9	89.8	33.9	14.3	9.1	3.9	0.0	0.0	1.3	0.0	0.0
82.5°	165.4	37.8	20.8	10.4	5.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	125.0	24.7	11.7	6.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	48.2	7.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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

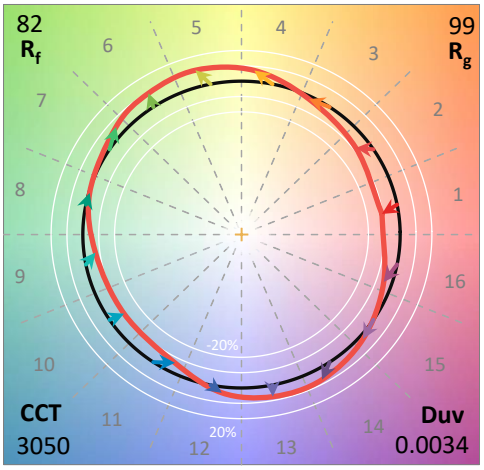
Test Information

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

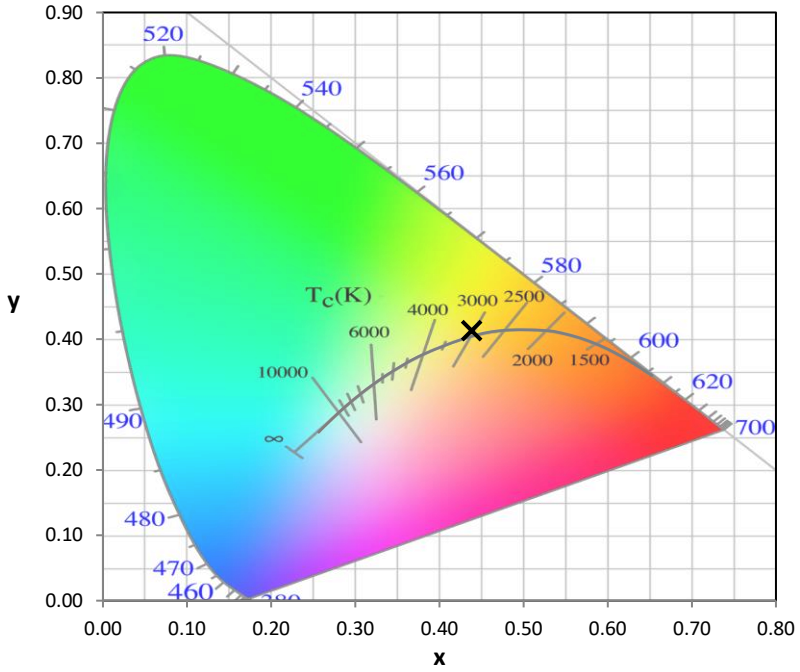
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

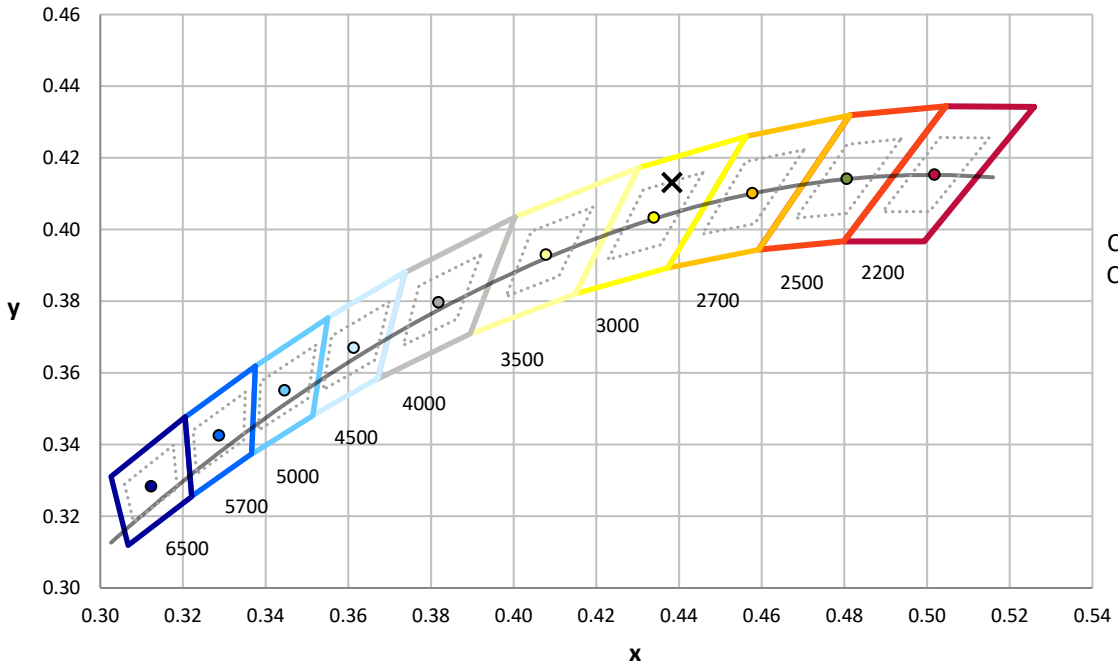
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

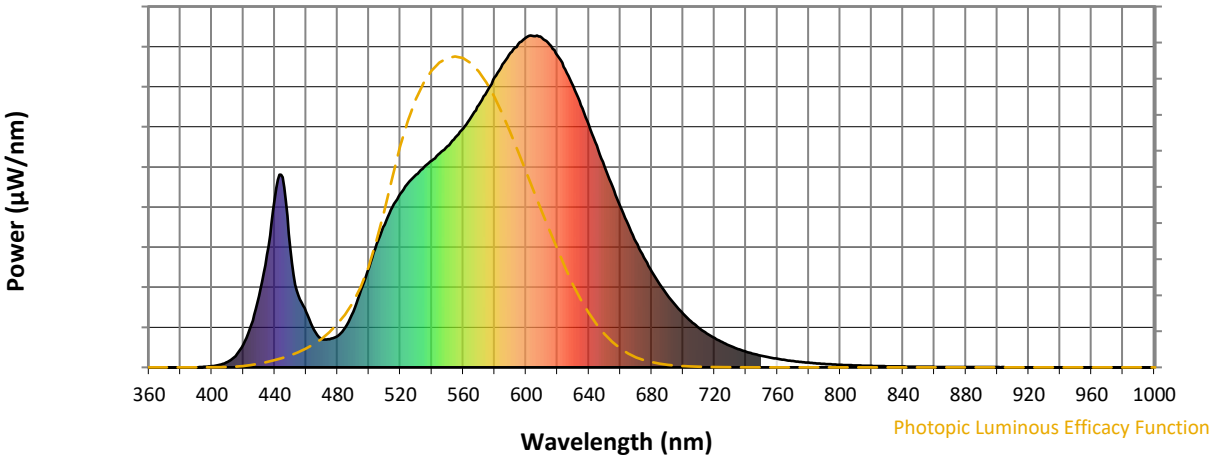


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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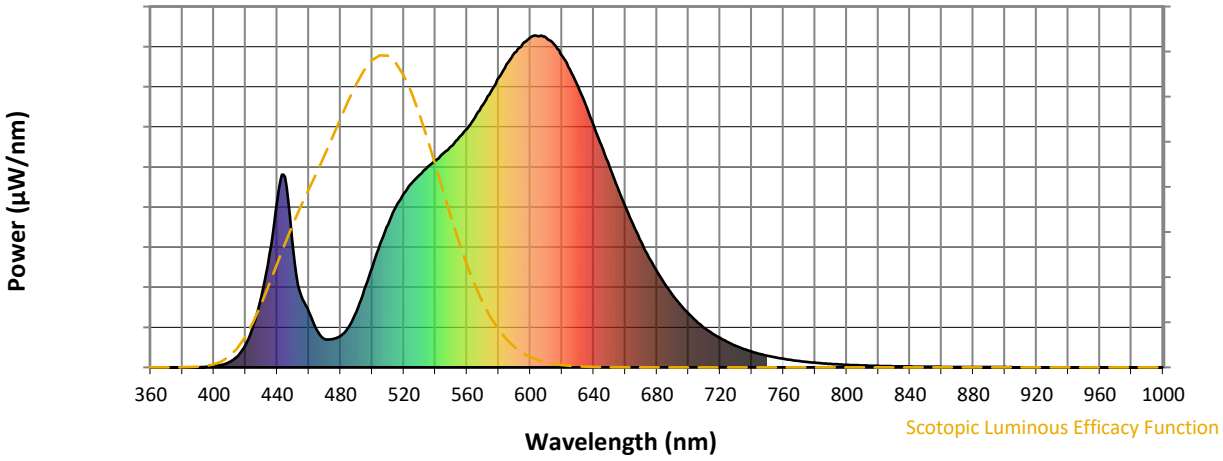
Scotopic Flux vs. Wavelength



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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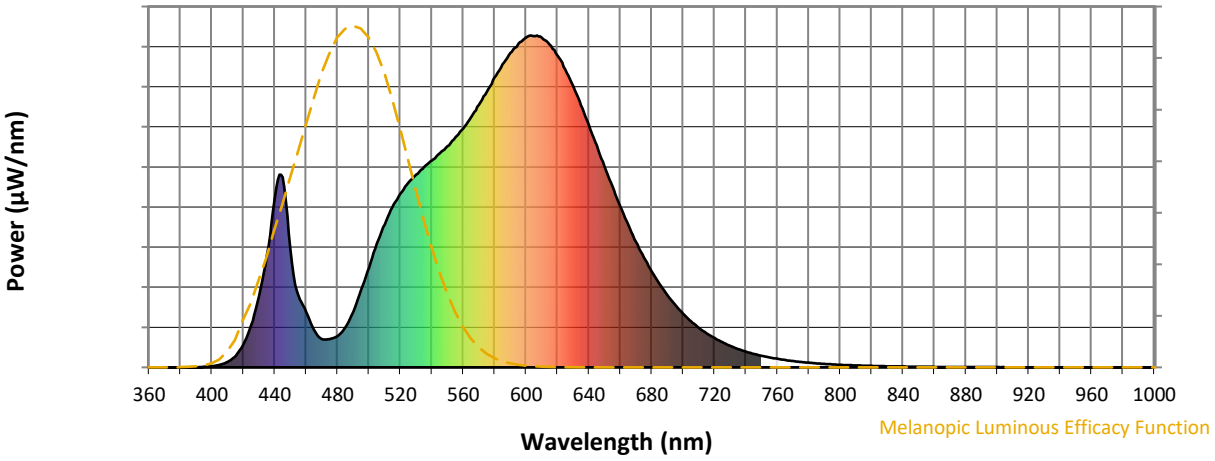
Melanopic Flux vs. Wavelength



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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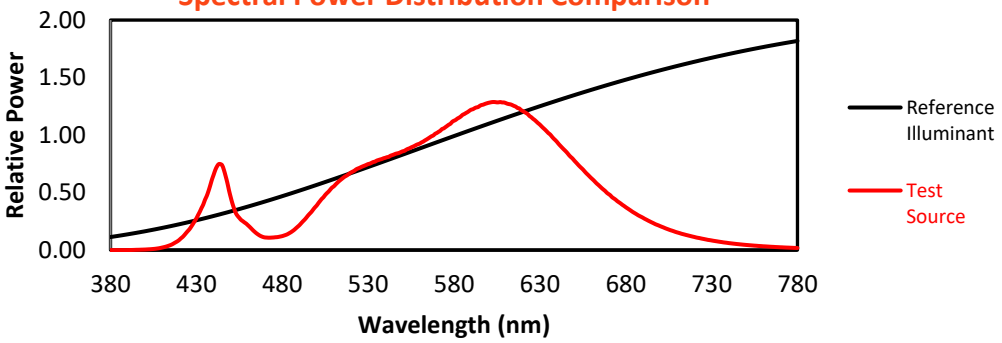
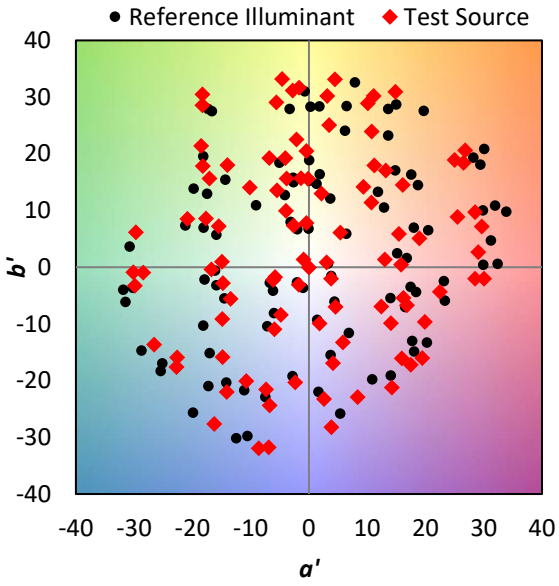
Summary

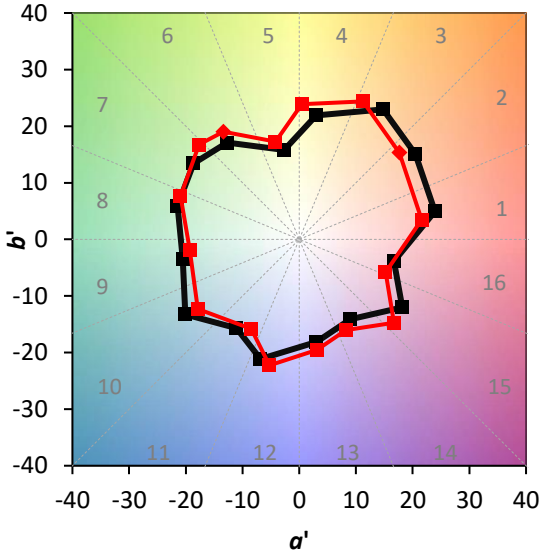
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

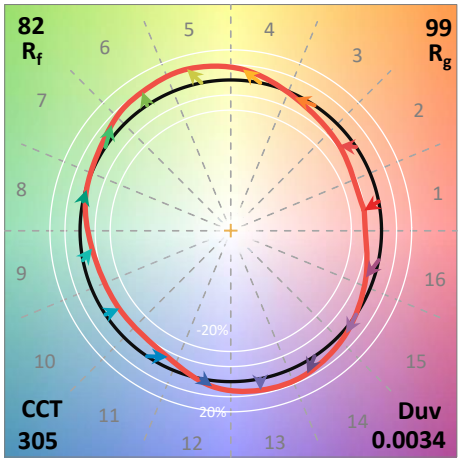
Spectral Power Distribution Comparison

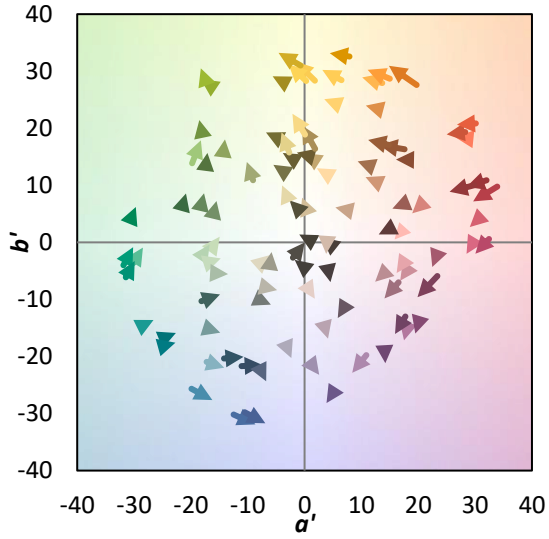


Color Vector Graphics









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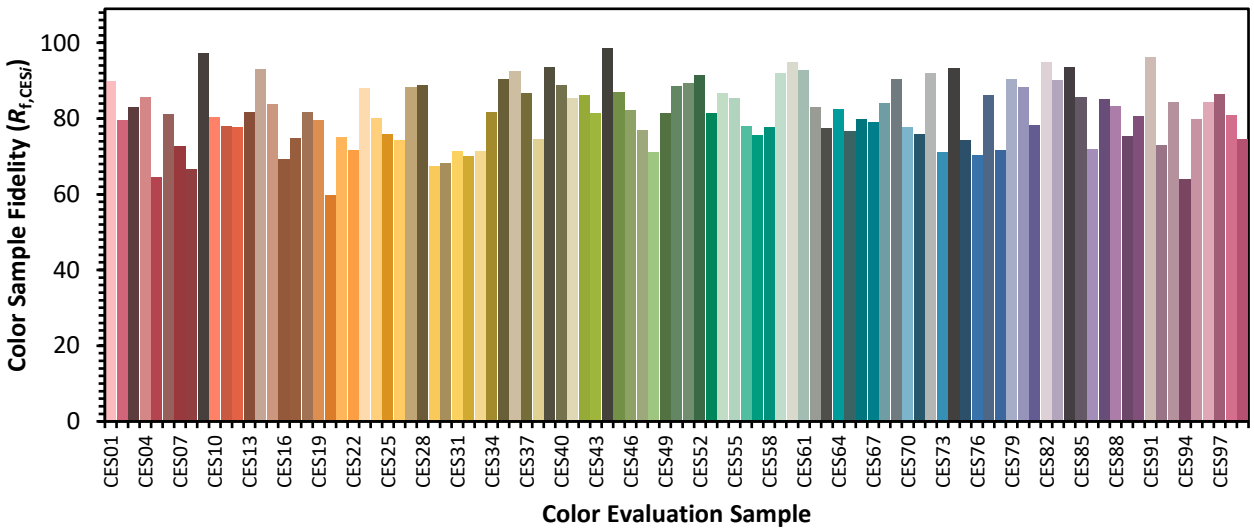
Individual Sample Fidelity Index ($R_{f,i}$)

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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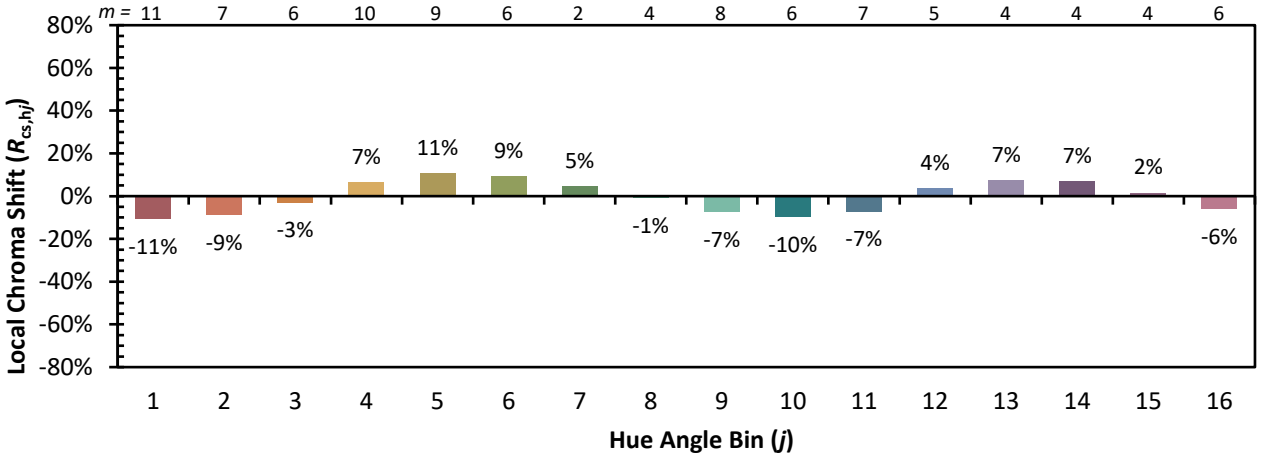
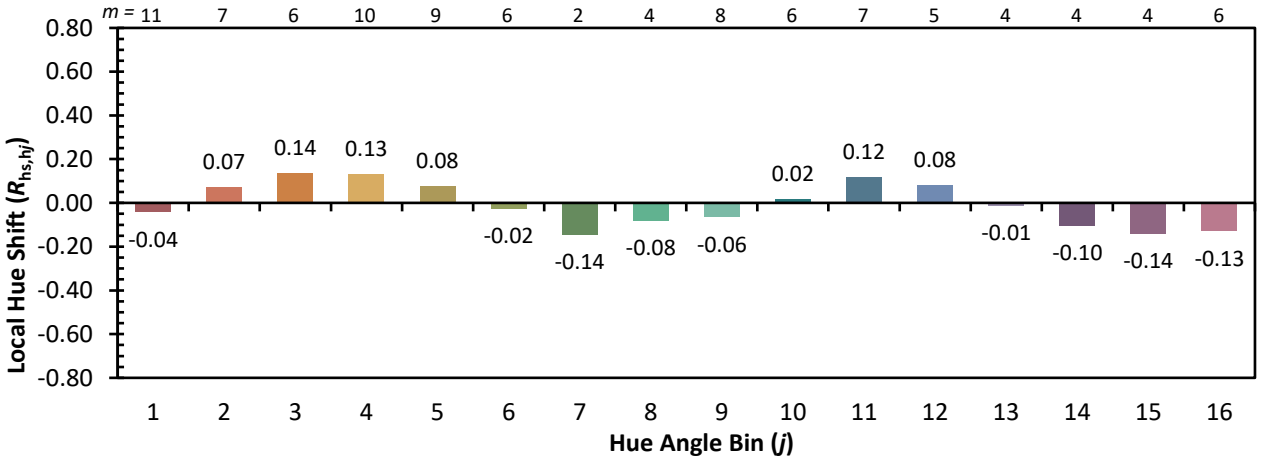
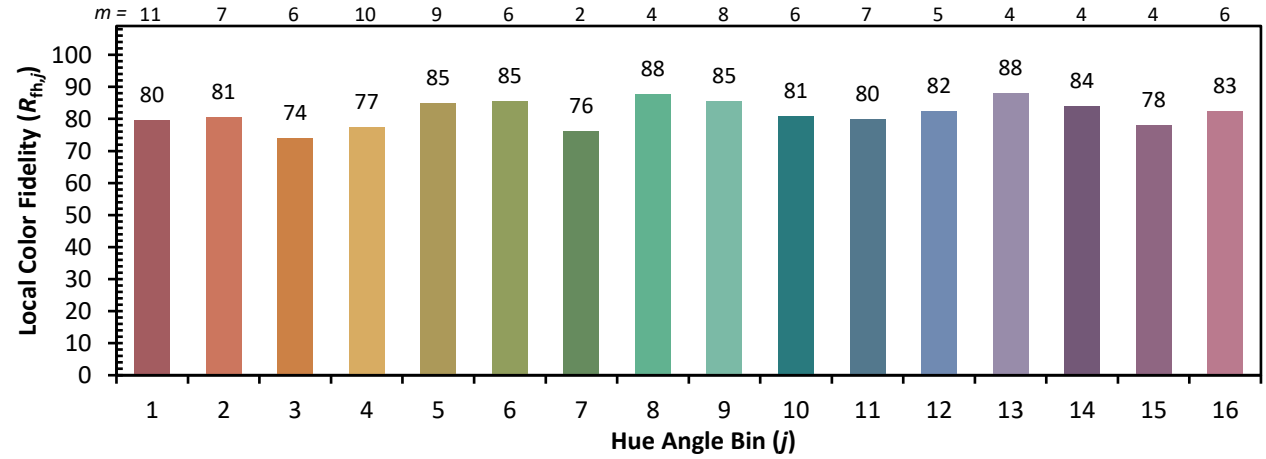
Color Rendition by Hue-Angle Bin







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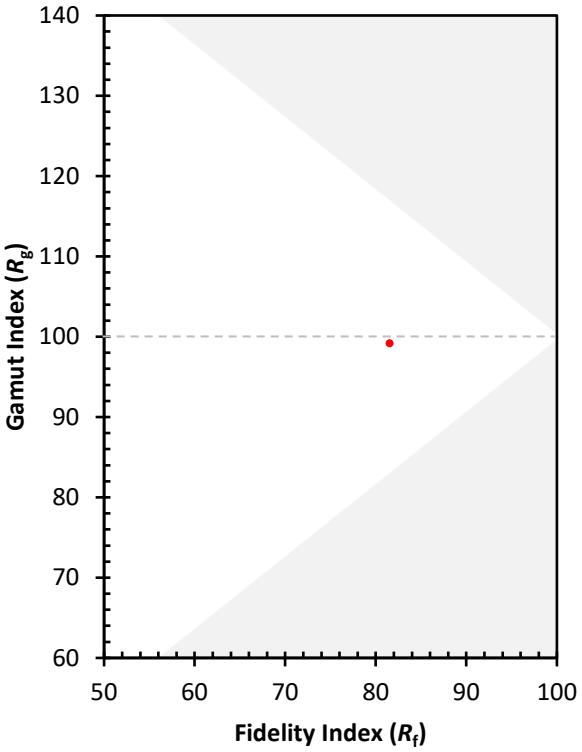
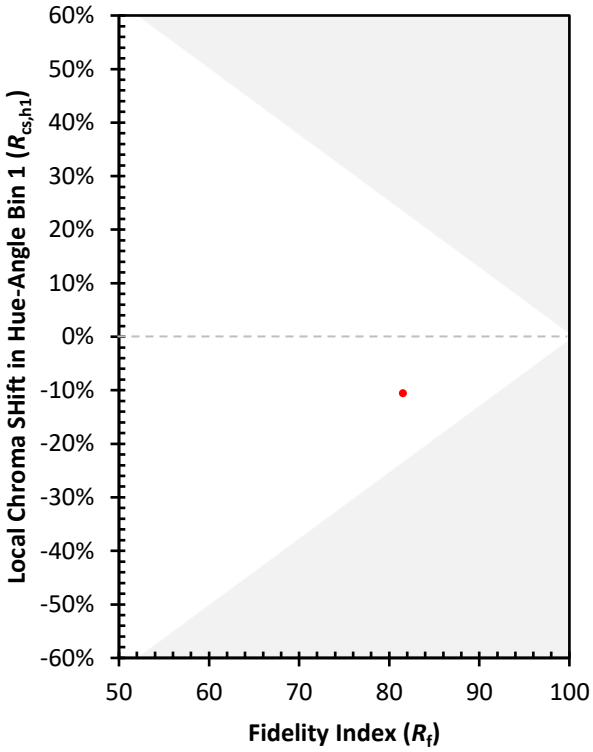
Measure Comparisons





(END OF REPORT)