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: P324010

Luminaire Tested: **GLEON-SA6C-830-U-SL4-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:	P324010
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6C-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
	SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27283 lumens
Efficiency:	N/A
Efficacy:	81.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	333
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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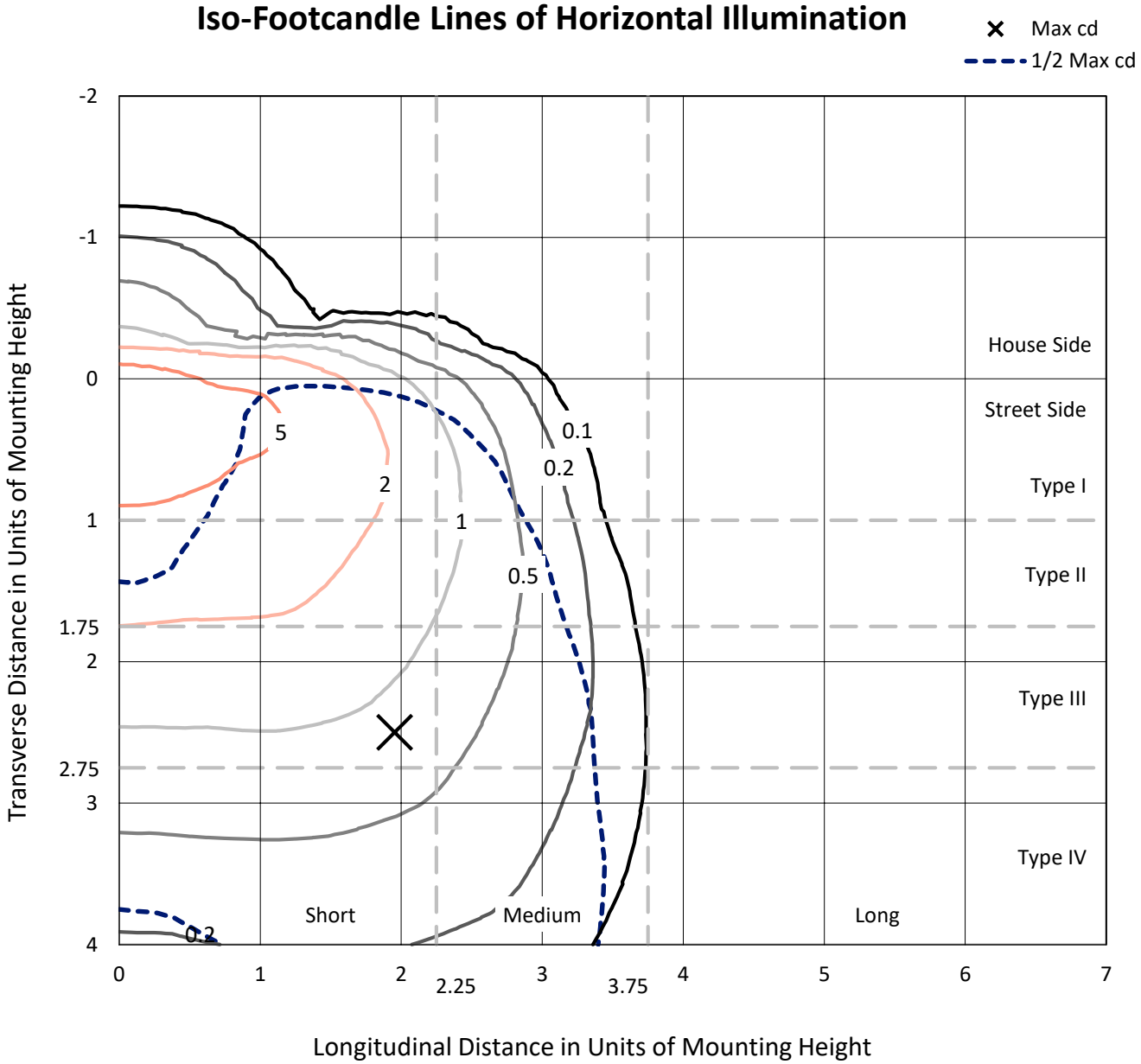
Scaled Data Report

REPORT NUMBER: P324010
CATALOG NUMBER: GLEON-SA6C-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type IV - Short - N/A

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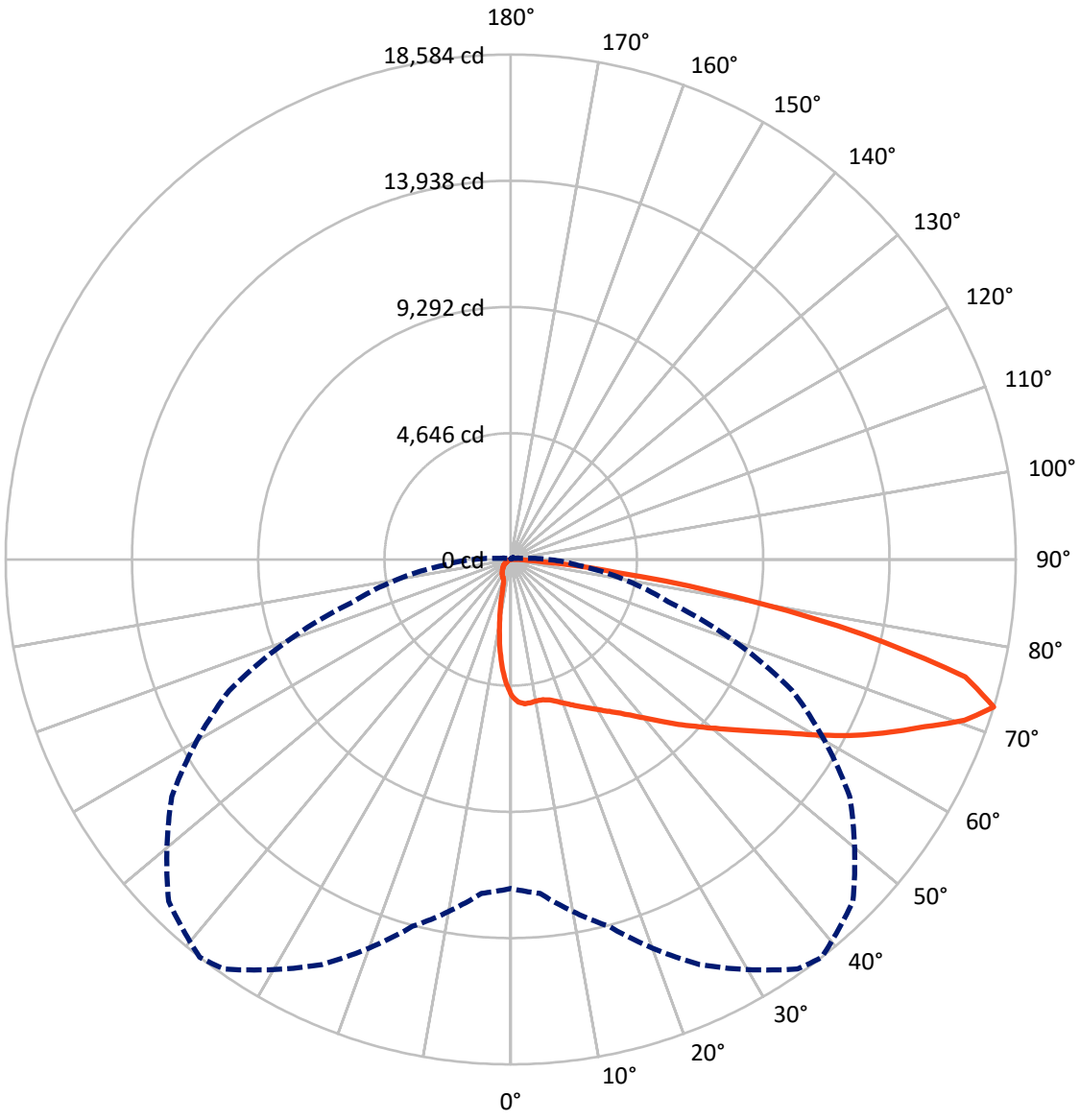
CATALOG NUMBER: GLEON-SA6C-830-U-SL4-HSS

Luminous Intensity Polar Plot



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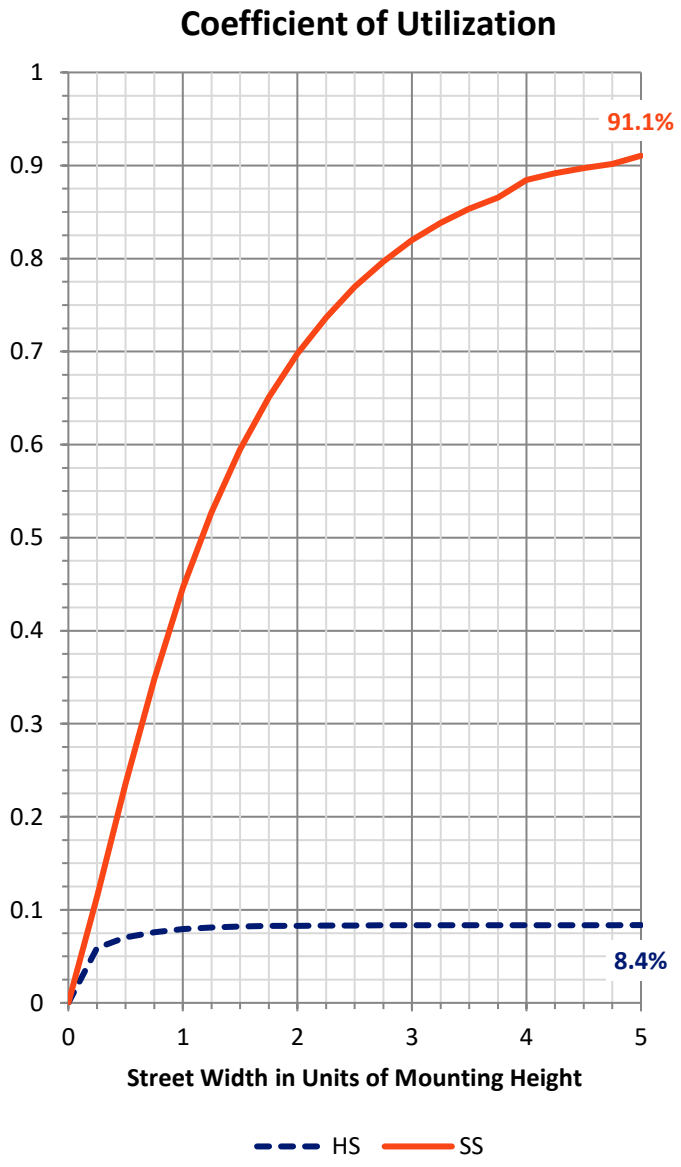
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2296.0	0.0	2296.0
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	24987.0	0.0	24987.0
	% Fixture	91.6	0.0	91.6
Total	Lumens	27283.0	0.0	27283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.6	1.6
10°-20°	1045.5	3.8
20°-30°	1662.8	6.1
30°-40°	2499.9	9.2
40°-50°	3813.8	14.0
50°-60°	5390.1	19.8
60°-70°	6761.0	24.8
70°-80°	5055.4	18.5
80°-90°	626.9	2.3
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°	27283.0	100.0
0°-180°	27283.0	100.0



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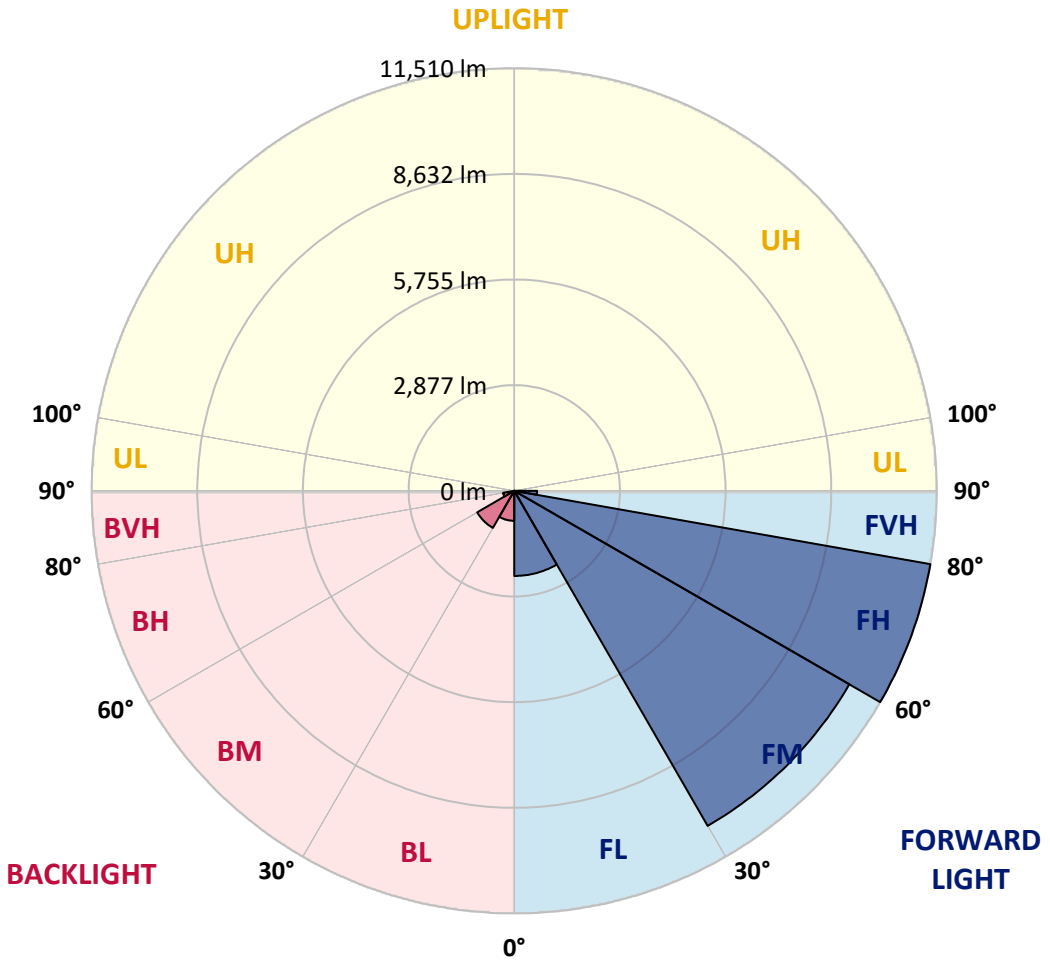
REPORT NUMBER: P324010
CATALOG NUMBER: GLEON-SA6C-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2318.4	8.5			
FM	(30°-60°)	10537.9	38.6			
FH	(60°-80°)	11509.7	42.2			G4/12000
FVH	(80°-90°)	621.0	2.3			G4/750
BL	(0°-30°)	817.5	3.0	B2/1000		
BM	(30°-60°)	1165.9	4.3	B2/2500		
BH	(60°-80°)	306.7	1.1	B1/500		G1/500
BVH	(80°-90°)	5.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type IV Short



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Scaled Data Report

REPORT NUMBER: P324010
CATALOG NUMBER: GLEON-SA6C-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5017.3	5017.3	5017.3	5017.3	5017.3	*5017.3*	5017.3	5017.3	5017.3	5017.3	5017.3
2.5°	5325.5	5326.6	5314.1	5293.7	5267.7	*5254.1*	5231.4	5195.1	5156.6	5087.5	5012.7
5°	5434.2	5434.2	5418.4	5391.2	5349.2	*5336.8*	5293.7	5235.9	5156.6	5044.4	4918.7
7.5°	5422.9	5425.2	5403.6	5375.3	5333.4	*5322.1*	5269.9	5205.3	5106.8	4970.8	4809.9
10°	5364.0	5369.6	5352.6	5339.0	5300.5	*5288.1*	5239.3	5174.8	5076.2	4931.1	4746.4
12.5°	5303.9	5309.6	5315.3	5327.7	5303.9	*5299.4*	5260.9	5206.5	5112.4	4961.7	4753.2
15°	5265.4	5276.7	5317.5	5366.2	5371.9	*5367.4*	5342.4	5291.5	5196.3	5039.9	4802.0
17.5°	5265.4	5283.5	5368.5	5461.4	5494.3	*5497.7*	5476.1	5404.8	5291.5	5123.8	4847.3
20°	5309.6	5334.5	5467.1	5598.5	5652.9	*5652.9*	5611.0	5511.3	5378.7	5199.7	4877.9
22.5°	5422.9	5455.8	5622.3	5774.1	5831.9	*5819.5*	5762.8	5617.8	5469.4	5285.8	4916.4
25°	5646.1	5671.0	5844.4	5997.4	6032.5	*6004.2*	5932.8	5747.0	5584.9	5402.5	4986.7
27.5°	5933.9	5937.3	6116.3	6245.5	6224.0	*6204.7*	6115.2	5909.0	5751.5	5569.1	5107.9
30°	6250.0	6250.0	6407.5	6506.1	6440.4	*6424.5*	6335.0	6105.0	5964.5	5795.7	5280.1
32.5°	6556.0	6569.6	6697.6	6759.9	6686.3	*6670.4*	6583.2	6353.1	6247.8	6141.3	5548.7
35°	6851.7	6861.9	6983.1	7017.1	6946.9	*6951.4*	6889.1	6694.2	6654.5	6640.9	5953.2
37.5°	7138.4	7140.6	7264.1	7285.7	7250.5	*7289.1*	7294.7	7122.5	7196.2	7306.1	6523.1
40°	7400.1	7402.4	7524.7	7580.3	7640.3	*7690.2*	7734.4	7642.6	7886.2	8141.1	7201.8
42.5°	7609.7	7633.5	7788.8	7894.1	8052.8	*8147.9*	8268.0	8263.5	8707.7	9090.7	8022.2
45°	7794.4	7835.2	8051.6	8236.3	8508.3	*8660.1*	8848.2	8995.5	9632.3	10147.8	8852.7
47.5°	8038.0	8076.6	8323.6	8626.1	8988.7	*9188.1*	9499.7	9818.1	10648.6	11185.7	9664.0
50°	8381.4	8364.4	8608.0	9041.9	9507.6	*9769.4*	10213.5	10690.6	11657.1	12089.9	10141.0
52.5°	8747.3	8740.5	8920.7	9494.0	10119.5	*10425.4*	11012.4	11592.5	12621.3	12713.1	10359.7
55°	9200.6	9151.8	9303.7	10009.6	10845.8	*11174.4*	11865.6	12485.3	13389.5	13064.3	10469.6
57.5°	9675.3	9594.9	9739.9	10584.0	11665.0	*12053.6*	12810.5	13355.5	13900.6	13304.6	10468.5
60°	10165.9	10070.8	10243.0	11302.4	12682.5	*13132.3*	13834.8	13943.6	14377.6	13425.8	10391.4
62.5°	10576.1	10519.5	10775.5	12070.6	13819.0	*14260.9*	14608.7	14478.4	14779.8	13519.8	10211.3
65°	11010.1	11013.5	11427.1	12966.9	15026.8	*15324.8*	15354.3	15171.9	15116.3	13500.6	9601.7
67.5°	11597.0	11651.4	12341.4	14183.8	16201.8	*16431.8*	16429.6	15923.1	15362.2	12734.6	8249.9
70°	12217.9	12346.0	13395.2	15576.4	17484.5	*17717.9*	17597.8	16401.3	14464.8	10297.4	5838.7
72.5°	*12113.7*	*12335.8*	*13981.0*	*16454.5*	*18405.7*	*18583.6*	*17802.9*	*15226.3*	*11432.7*	*5984.9*	*2486.0*
75°	9345.6	9602.8	12819.6	15584.3	17439.1	*17279.4*	15296.5	11848.6	6247.8	1670.2	559.7
77.5°	4936.8	5073.9	8468.6	11872.4	13598.0	*13263.8*	10775.5	6573.0	1904.7	413.6	251.5
80°	2585.7	2617.4	3690.4	6736.1	8392.7	*8394.9*	6386.0	2887.1	785.2	211.9	168.8
82.5°	1384.6	1411.8	1950.0	3112.6	4397.5	*3986.2*	2445.2	1588.6	456.6	120.1	162.0
85°	333.1	338.8	1105.9	1422.0	1729.1	*1235.1*	726.3	1333.6	123.5	70.3	131.4
87.5°	128.0	130.3	410.2	615.3	440.8	*285.5*	339.9	497.4	15.9	27.2	20.4
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: P324010
CATALOG NUMBER: GLEON-SA6C-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5017.3	5017.3	5017.3	5017.3	5017.3	5017.3	5017.3	5017.3	5017.3	5017.3	5017.3
2.5°	4967.4	4937.9	4865.4	4773.6	4692.1	4633.1	4544.8	4487.0	4448.5	4447.3	4432.6
5°	4841.6	4781.6	4625.2	4439.4	4270.6	4118.7	3939.7	3798.1	3692.7	3675.7	3639.4
7.5°	4706.8	4608.2	4368.0	4077.9	3794.7	3506.9	3172.6	2965.3	2787.4	2702.4	2693.3
10°	4624.1	4485.8	4144.8	3725.5	3281.4	2813.4	2376.1	2073.5	1854.8	1792.5	1746.1
12.5°	4607.1	4424.7	3972.6	3394.7	2760.2	2141.5	1657.7	1335.9	1161.4	1105.9	1091.2
15°	4624.1	4396.3	3827.5	3067.2	2232.2	1519.5	1112.7	925.7	860.0	844.1	843.0
17.5°	4634.3	4362.3	3663.2	2703.5	1720.0	1085.5	852.1	797.7	787.5	786.4	788.6
20°	4633.1	4310.2	3467.2	2297.9	1279.2	853.2	770.5	759.2	756.9	758.0	756.9
22.5°	4625.2	4249.0	3251.9	1879.8	966.5	762.6	735.4	728.6	727.4	727.4	727.4
25°	4639.9	4200.3	3015.1	1479.8	796.6	720.6	703.6	698.0	696.8	696.8	694.6
27.5°	4693.2	4173.1	2755.6	1138.7	719.5	683.2	669.6	668.5	665.1	664.0	666.2
30°	4779.3	4173.1	2471.2	886.1	673.0	644.7	634.5	632.3	631.1	630.0	631.1
32.5°	4931.1	4204.8	2160.8	736.5	628.9	601.7	594.9	598.3	594.9	594.9	594.9
35°	5205.3	4300.0	1835.6	642.5	582.4	559.7	552.9	557.5	555.2	555.2	554.1
37.5°	5605.3	4476.8	1508.1	585.8	541.6	517.8	508.8	515.5	513.3	513.3	512.1
40°	6092.5	4734.0	1196.5	542.7	502.0	477.0	469.1	472.5	466.8	466.8	469.1
42.5°	6694.2	5060.3	924.6	500.8	462.3	438.5	434.0	430.6	420.4	414.7	415.8
45°	7362.7	5400.2	720.6	460.0	424.9	405.6	398.8	389.8	372.8	361.5	362.6
47.5°	7959.8	5662.0	585.8	420.4	390.9	376.2	366.0	349.0	324.1	310.5	311.6
50°	8273.7	5701.6	498.6	380.7	359.2	344.5	329.7	303.7	274.2	259.5	258.3
52.5°	8354.2	5515.8	434.0	344.5	327.5	310.5	291.2	256.1	223.2	207.4	205.1
55°	8383.6	5232.5	376.2	310.5	293.5	274.2	249.3	209.6	179.0	163.2	162.0
57.5°	8286.2	4809.9	330.9	279.9	259.5	235.7	205.1	167.7	138.2	125.8	125.8
60°	8069.8	4237.7	295.7	247.0	224.3	197.2	165.4	130.3	103.1	92.9	92.9
62.5°	7638.1	3496.7	262.9	213.0	191.5	163.2	133.7	98.6	72.5	66.9	68.0
65°	6823.4	2652.5	230.0	182.4	163.2	134.8	104.2	70.3	48.7	48.7	51.0
67.5°	5564.5	1842.4	196.0	155.2	140.5	109.9	79.3	48.7	34.0	38.5	43.1
70°	3683.6	1033.4	167.7	128.0	120.1	87.2	58.9	32.9	27.2	36.3	44.2
72.5°	*1390.3*	*402.2*	*140.5*	*103.1*	*104.2*	*66.9*	*41.9*	*24.9*	*24.9*	*39.7*	*52.1*
75°	387.5	197.2	100.8	75.9	81.6	48.7	30.6	21.5	23.8	45.3	61.2
77.5°	227.7	145.0	65.7	44.2	55.5	34.0	20.4	17.0	20.4	38.5	58.9
80°	183.6	77.0	38.5	22.7	30.6	19.3	13.6	10.2	5.7	14.7	30.6
82.5°	183.6	46.5	18.1	15.9	15.9	10.2	6.8	4.5	1.1	0.0	7.9
85°	123.5	19.3	11.3	10.2	7.9	3.4	2.3	1.1	0.0	0.0	0.0
87.5°	20.4	7.9	4.5	2.3	1.1	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

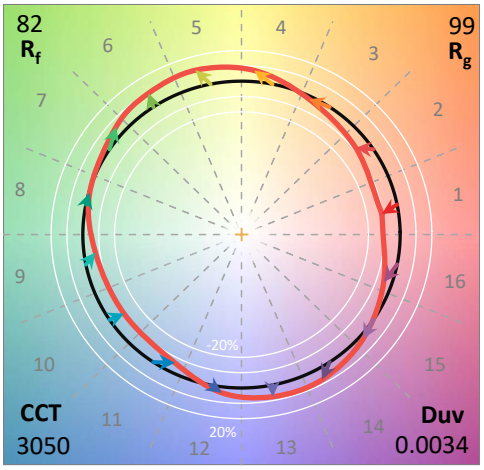
Test Information

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

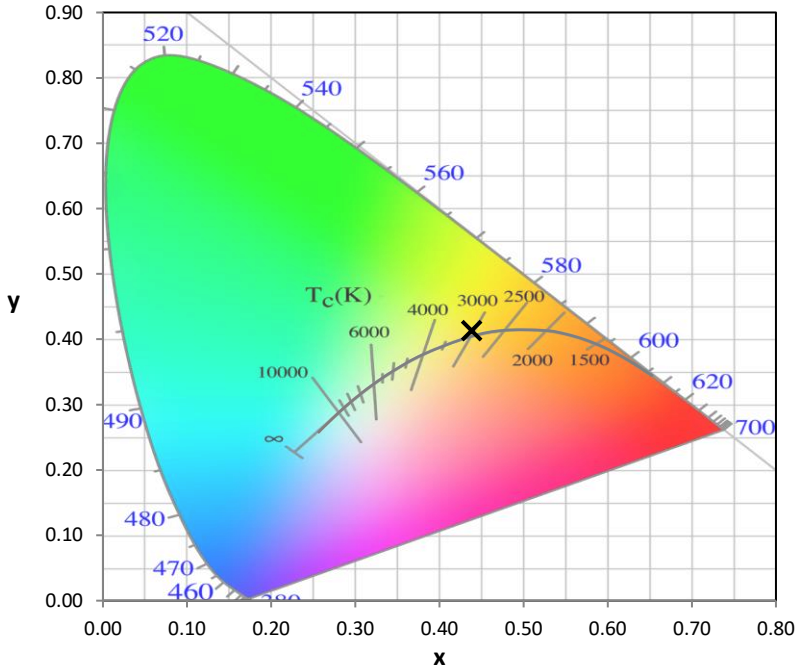
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

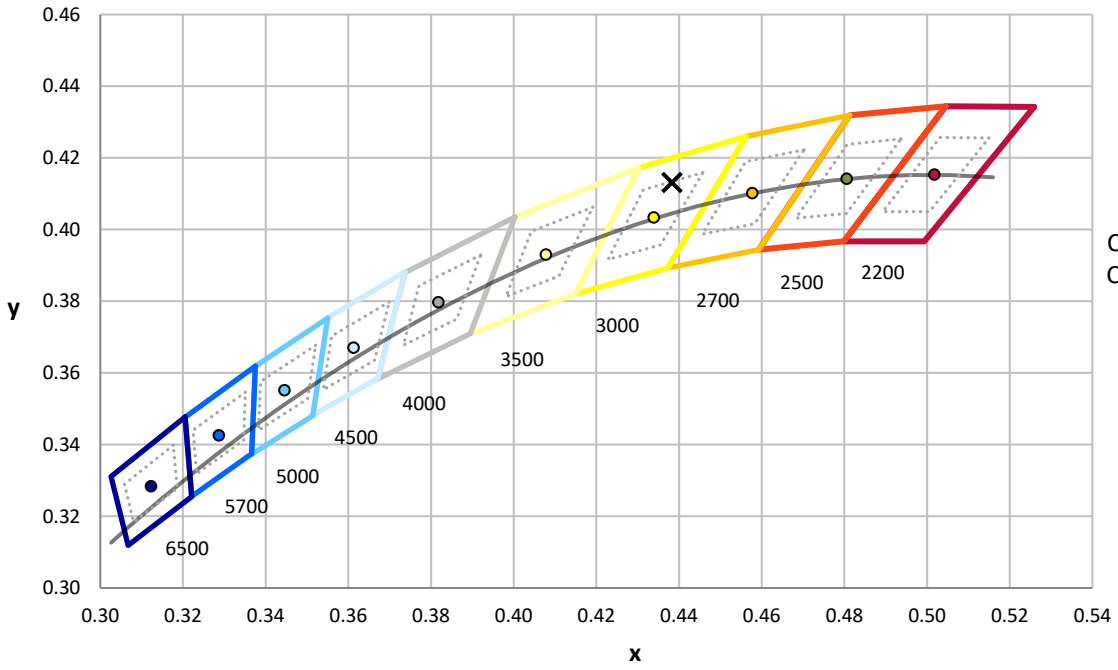
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

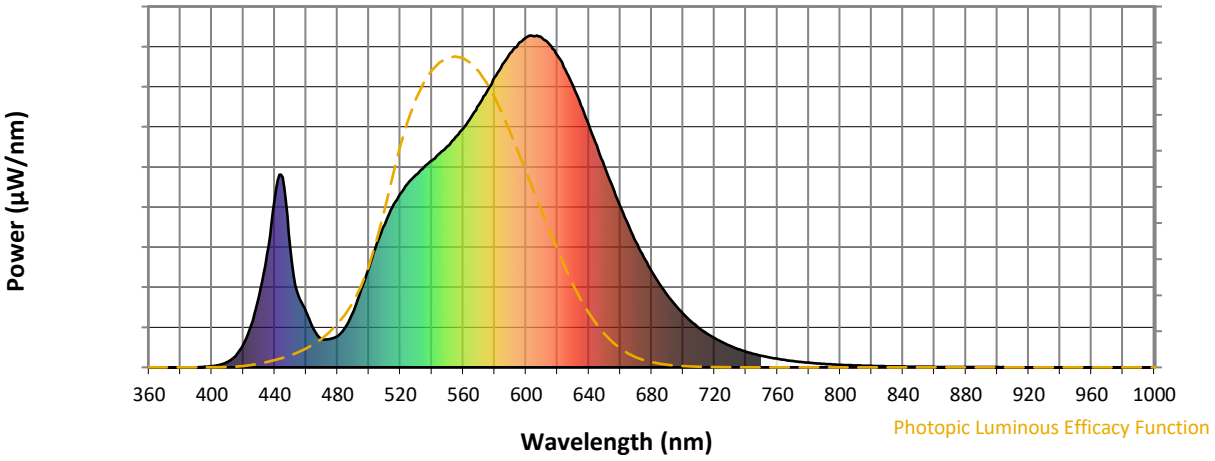


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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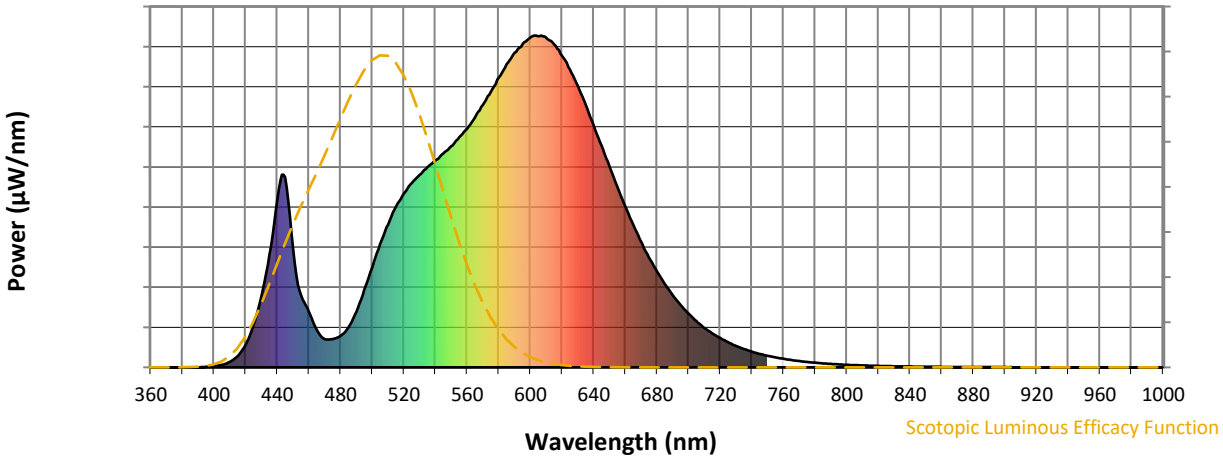
Scotopic Flux vs. Wavelength



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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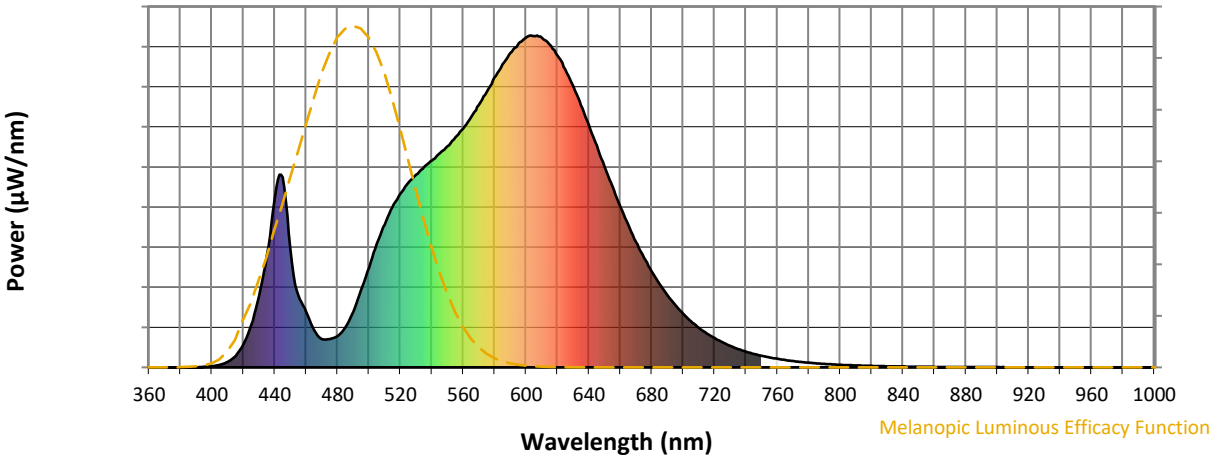
Melanopic Flux vs. Wavelength



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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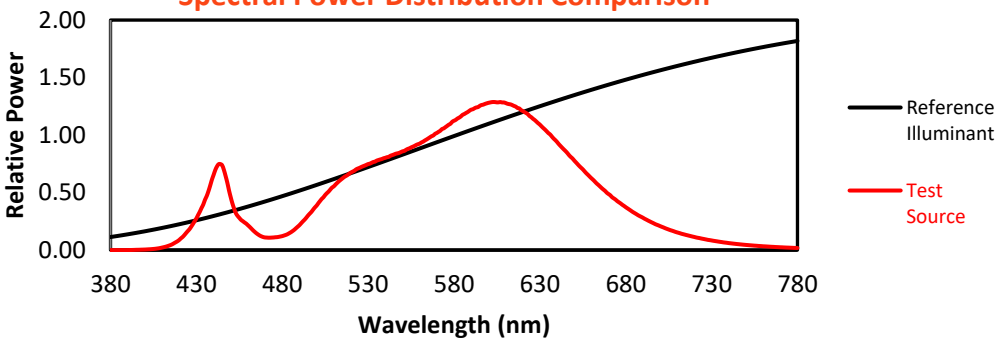
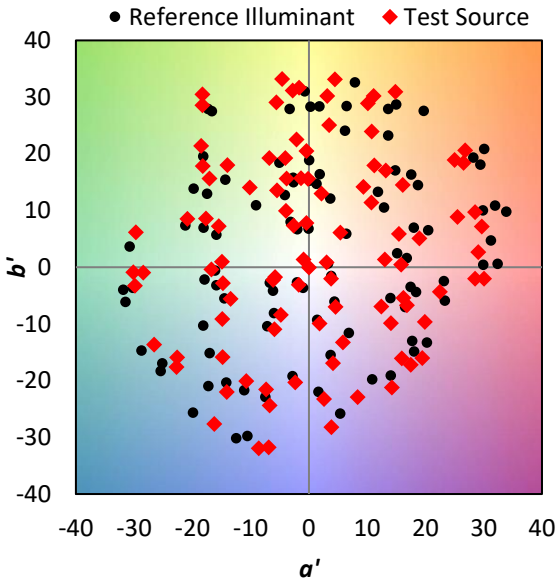
Summary

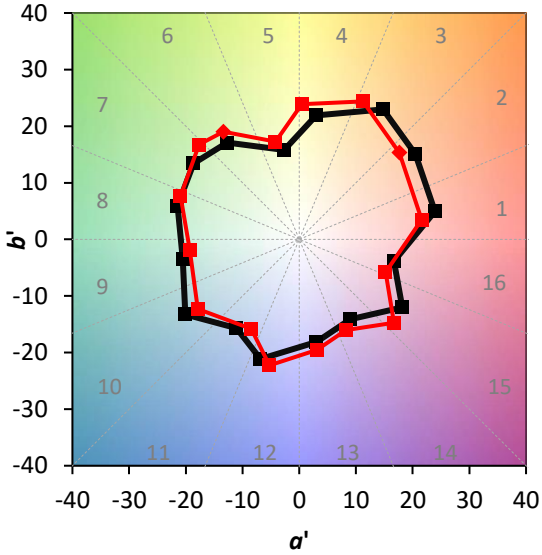
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

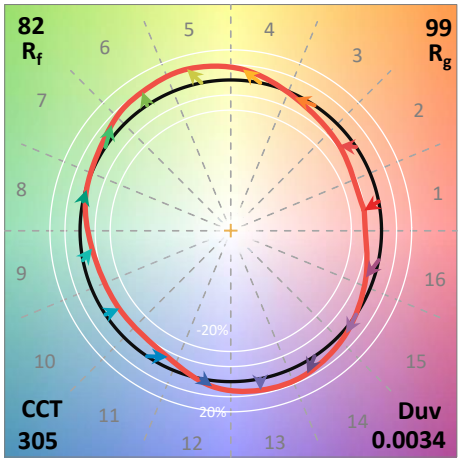
Spectral Power Distribution Comparison

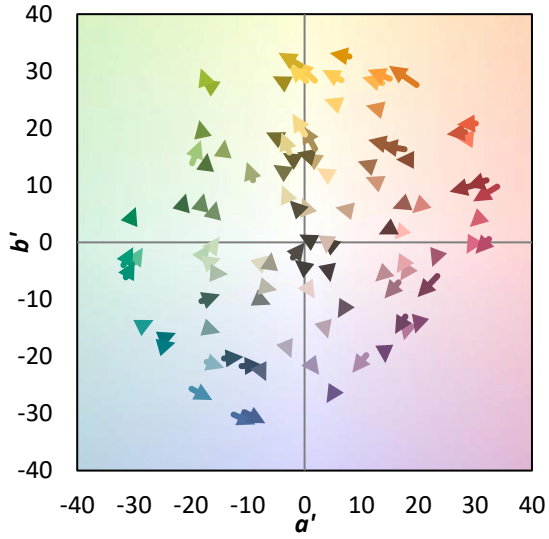


Color Vector Graphics









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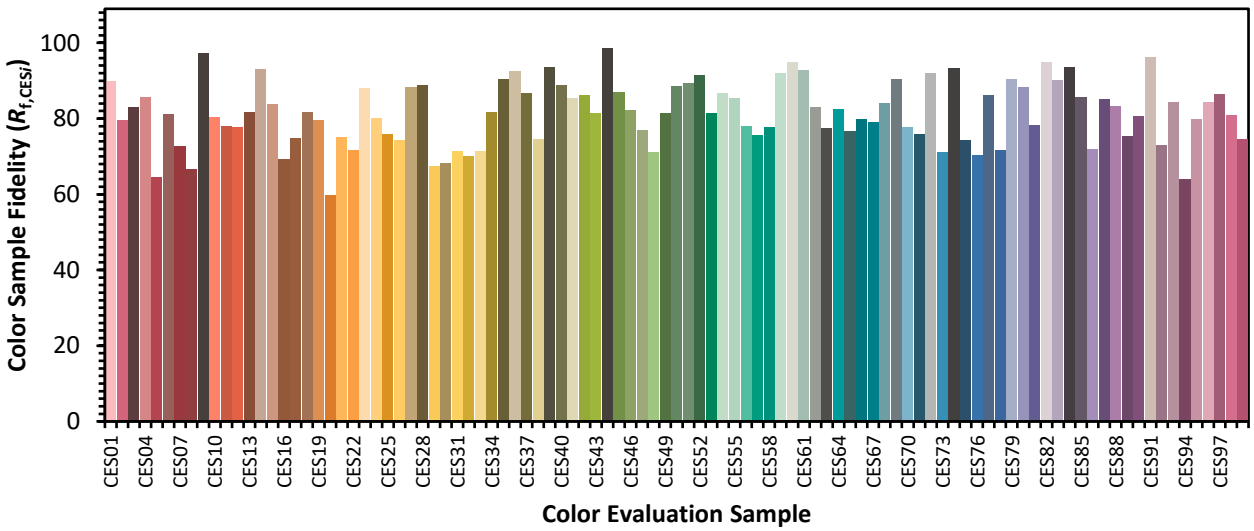
Individual Sample Fidelity Index ($R_{f,i}$)

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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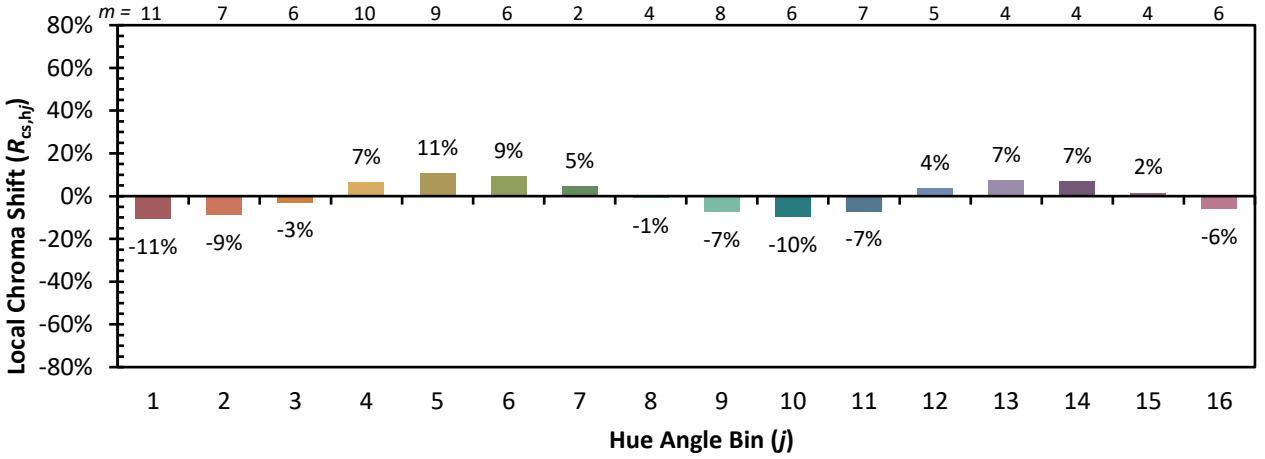
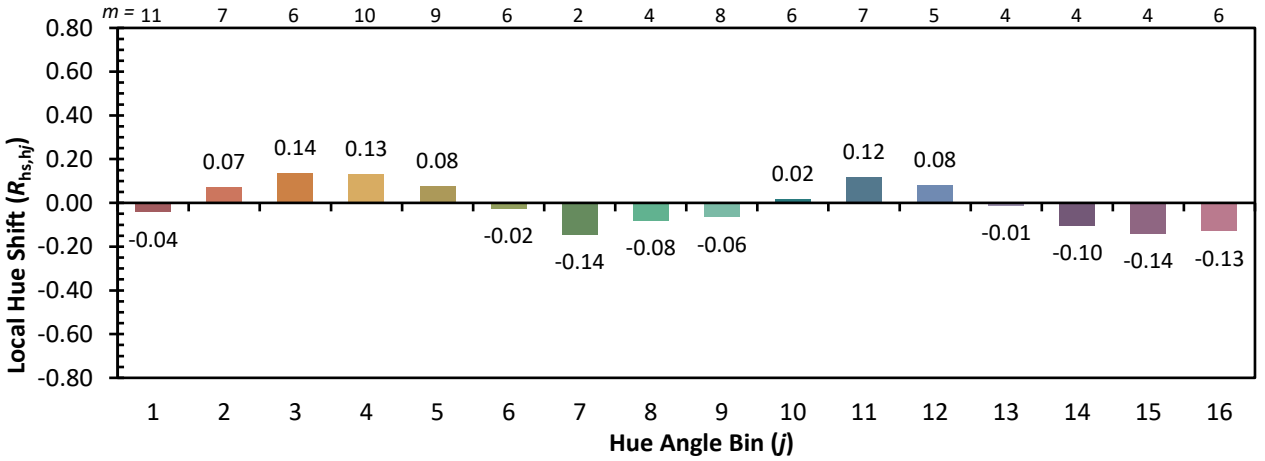
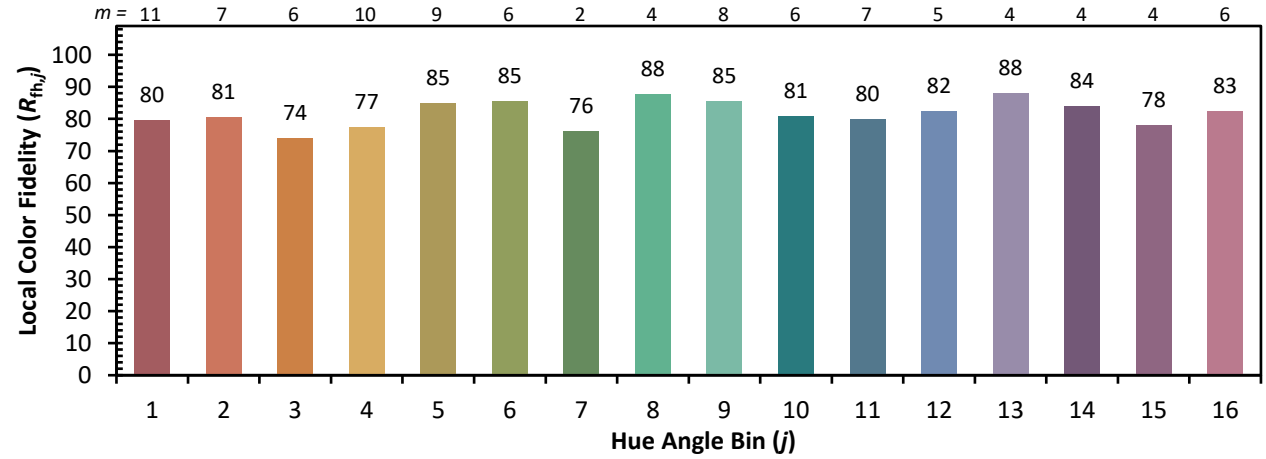
Color Rendition by Hue-Angle Bin







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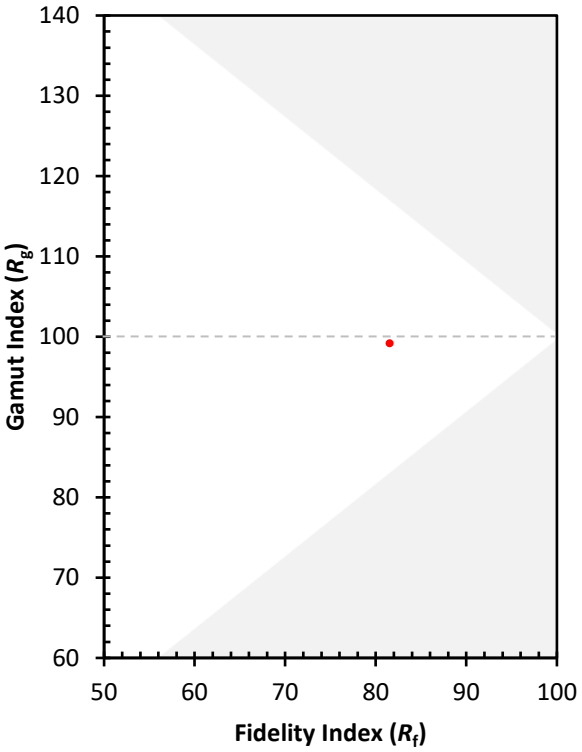
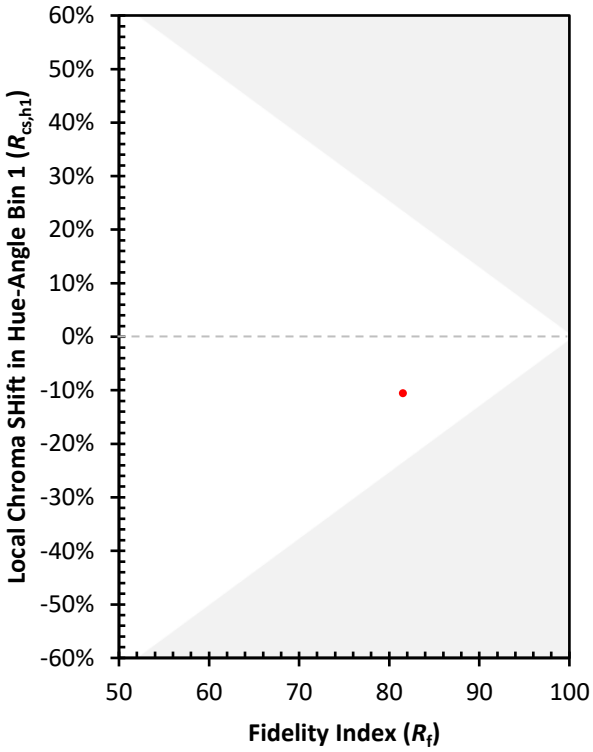
Measure Comparisons





(END OF REPORT)