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: P324020

Luminaire Tested: **GLEON-SA6D-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:	P324020
	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-SA6D-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 1200mA 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:	29929 lumens
Efficiency:	N/A
Efficacy:	78.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G5

Input Watts (W):	382
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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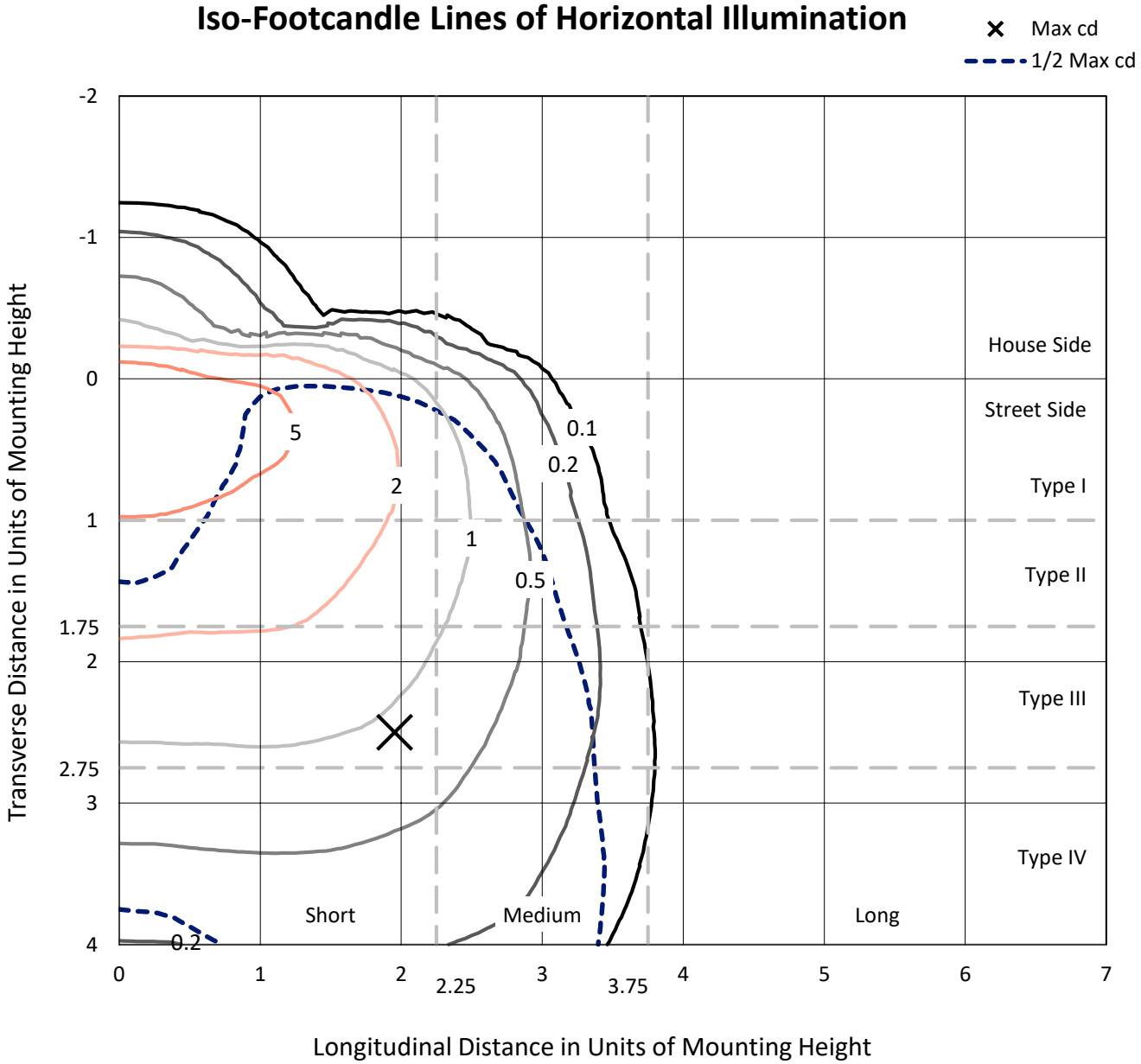
Scaled Data Report

REPORT NUMBER: P324020
CATALOG NUMBER: GLEON-SA6D-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type IV - Short - N/A

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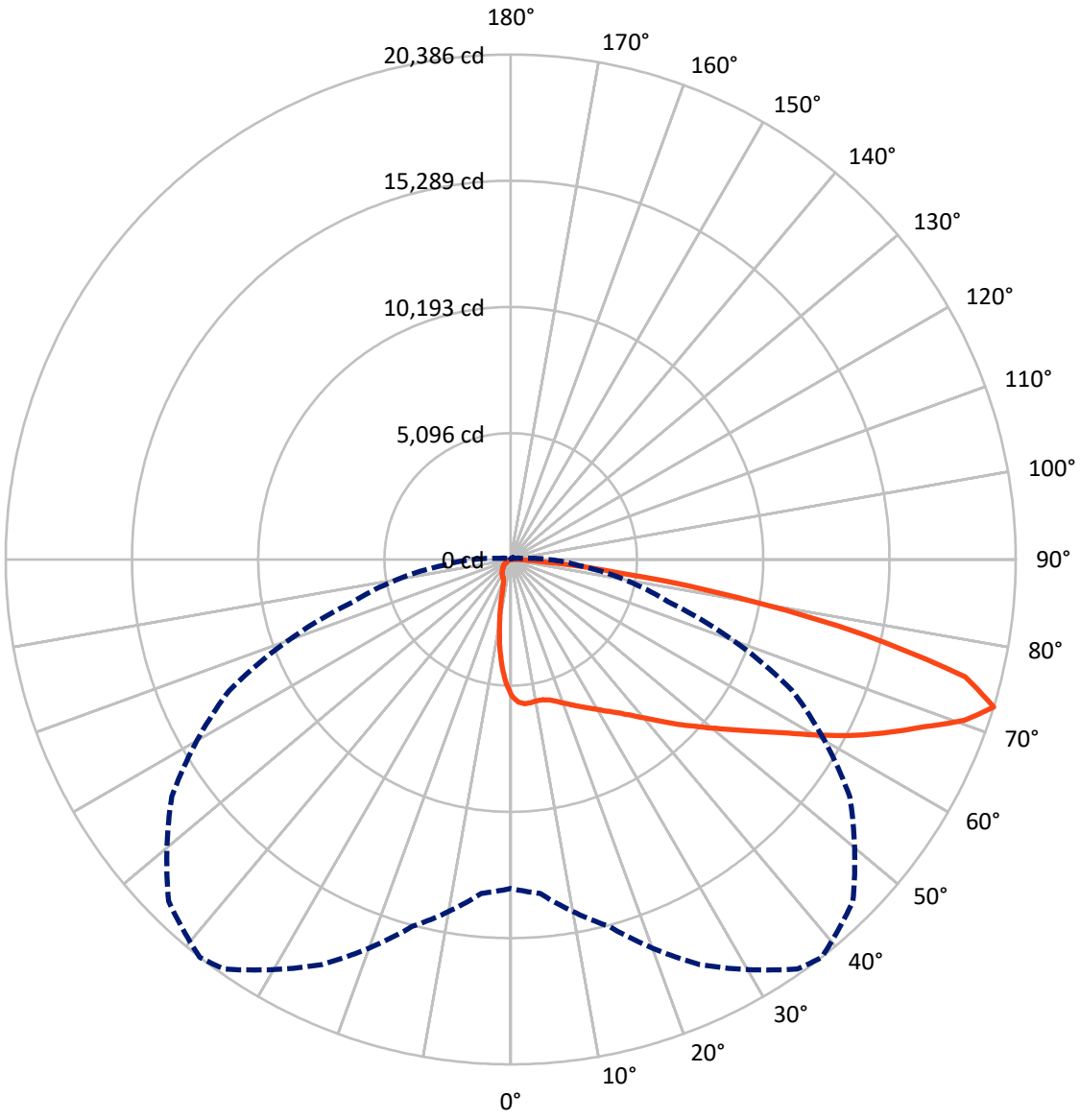
Luminous Intensity Polar Plot



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REPORT NUMBER: P324020
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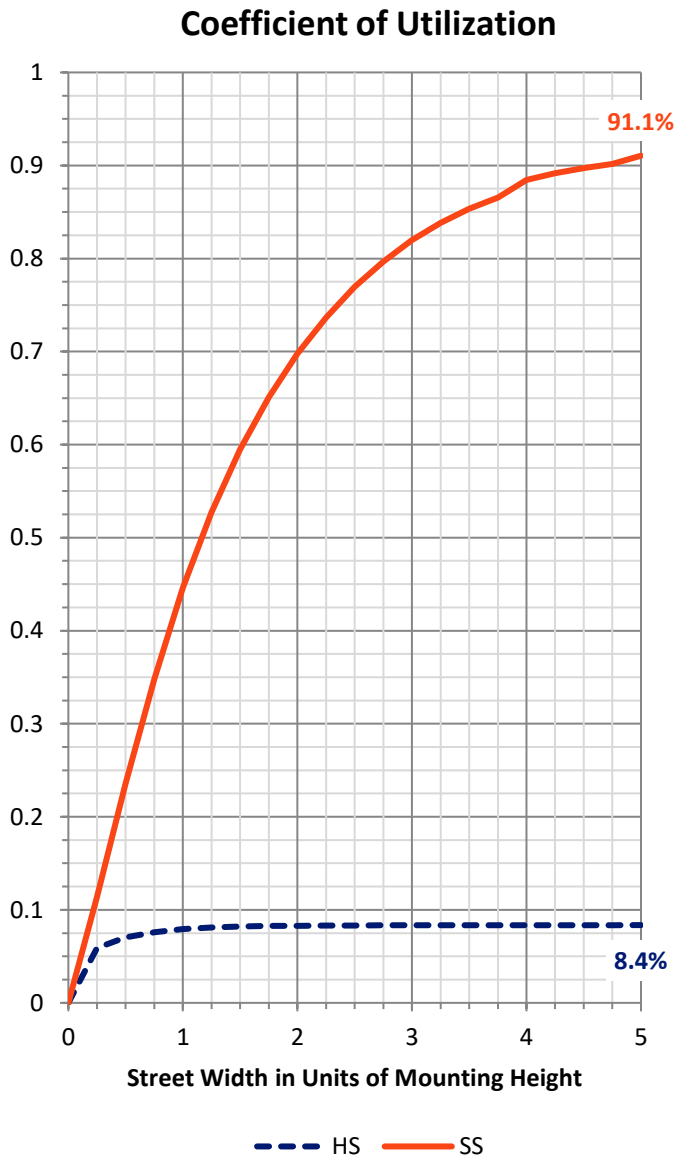
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2518.6	0.0	2518.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	27410.4	0.0	27410.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	29929.0	0.0	29929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.0	1.6
10°-20°	1146.9	3.8
20°-30°	1824.1	6.1
30°-40°	2742.4	9.2
40°-50°	4183.6	14.0
50°-60°	5912.9	19.8
60°-70°	7416.8	24.8
70°-80°	5545.7	18.5
80°-90°	687.6	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°	29929.0	100.0
0°-180°	29929.0	100.0



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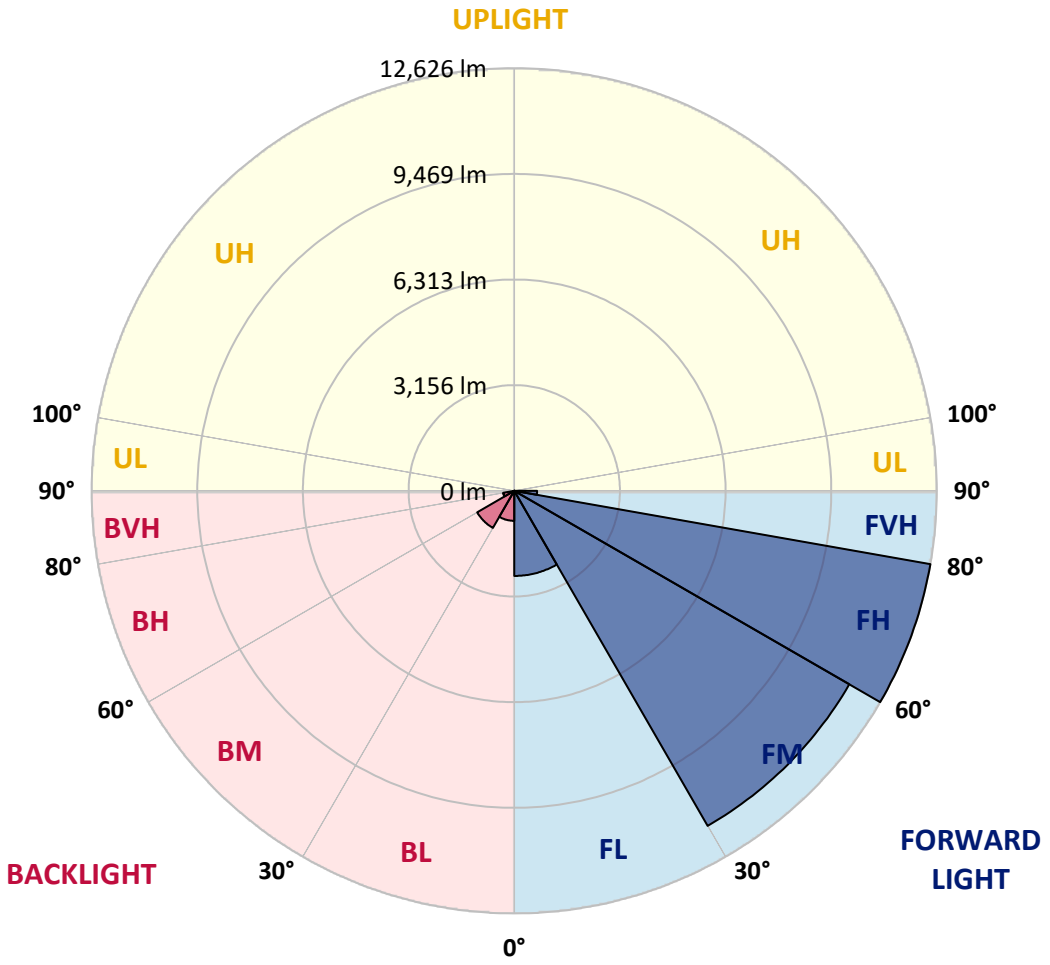
REPORT NUMBER: P324020
CATALOG NUMBER: GLEON-SA6D-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2543.2	8.5			
FM	(30°-60°)	11559.9	38.6			
FH	(60°-80°)	12626.0	42.2			G5
FVH	(80°-90°)	681.2	2.3			G4/750
BL	(0°-30°)	896.8	3.0	B2/1000		
BM	(30°-60°)	1279.0	4.3	B2/2500		
BH	(60°-80°)	336.4	1.1	B1/500		G1/500
BVH	(80°-90°)	6.4	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-G5
Type IV Short



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Scaled Data Report

REPORT NUMBER: P324020
CATALOG NUMBER: GLEON-SA6D-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8
2.5°	5841.9	5843.2	5829.5	5807.1	5778.5	5763.6	5738.8	5699.0	5656.7	5580.9	5498.9
5°	5961.3	5961.3	5943.9	5914.0	5868.0	5854.4	5807.1	5743.7	5656.7	5533.7	5395.7
7.5°	5948.8	5951.3	5927.7	5896.6	5850.6	5838.2	5781.0	5710.2	5602.0	5452.9	5276.4
10°	5884.2	5890.4	5871.8	5856.8	5814.6	5800.9	5747.5	5676.6	5568.5	5409.4	5206.8
12.5°	5818.3	5824.5	5830.7	5844.4	5818.3	5813.3	5771.1	5711.4	5608.3	5442.9	5214.2
15°	5776.1	5788.5	5833.2	5886.7	5892.9	5887.9	5860.6	5804.6	5700.2	5528.7	5267.7
17.5°	5776.1	5795.9	5889.2	5991.1	6027.1	6030.9	6007.2	5928.9	5804.6	5620.7	5317.4
20°	5824.5	5851.9	5997.3	6141.5	6201.1	6201.1	6155.2	6045.8	5900.3	5704.0	5351.0
22.5°	5948.8	5984.9	6167.6	6334.1	6397.5	6383.9	6321.7	6162.6	5999.8	5798.4	5393.2
25°	6193.7	6221.0	6411.2	6579.0	6617.5	6586.5	6508.2	6304.3	6126.6	5926.5	5470.3
27.5°	6509.4	6513.1	6709.5	6851.2	6827.6	6806.5	6708.3	6482.1	6309.3	6109.2	5603.3
30°	6856.2	6856.2	7029.0	7137.1	7065.0	7047.6	6949.4	6697.1	6543.0	6357.8	5792.2
32.5°	7191.8	7206.7	7347.2	7415.5	7334.7	7317.3	7221.6	6969.3	6853.7	6736.9	6086.8
35°	7516.2	7527.4	7660.4	7697.7	7620.6	7625.6	7557.2	7343.4	7299.9	7285.0	6530.5
37.5°	7830.7	7833.2	7968.6	7992.3	7953.7	7996.0	8002.2	7813.3	7894.1	8014.6	7155.7
40°	8117.8	8120.3	8254.5	8315.4	8381.3	8436.0	8484.5	8383.8	8651.0	8930.7	7900.3
42.5°	8347.7	8373.8	8544.1	8659.7	8833.7	8938.2	9069.9	9064.9	9552.2	9972.3	8800.2
45°	8550.3	8595.1	8832.5	9035.1	9333.4	9500.0	9706.3	9867.9	10566.4	11132.0	9711.3
47.5°	8817.6	8859.8	9130.8	9462.7	9860.4	10079.2	10421.0	10770.3	11681.4	12270.5	10601.2
50°	9194.2	9175.6	9442.8	9918.9	10429.7	10716.8	11204.1	11727.4	12787.6	13262.4	11124.5
52.5°	9595.7	9588.2	9785.9	10414.8	11100.9	11436.5	12080.4	12716.8	13845.4	13946.1	11364.4
55°	10092.9	10039.4	10206.0	10980.3	11897.7	12258.1	13016.3	13696.2	14688.1	14331.4	11485.0
57.5°	10613.7	10525.4	10684.5	11610.5	12796.3	13222.7	14053.0	14650.8	15248.7	14594.9	11483.7
60°	11151.9	11047.5	11236.4	12398.6	13912.5	14406.0	15176.6	15295.9	15772.0	14727.9	11399.2
62.5°	11601.8	11539.7	11820.6	13241.3	15159.2	15643.9	16025.5	15882.6	16213.2	14831.0	11201.6
65°	12077.9	12081.6	12535.3	14224.5	16484.2	16811.1	16843.4	16643.3	16582.4	14809.9	10532.9
67.5°	12721.7	12781.4	13538.4	15559.4	17773.1	18025.5	18023.0	17467.4	16852.1	13969.7	9050.0
70°	13402.9	13543.3	14694.3	17087.0	19180.2	19436.2	19304.5	17991.9	15867.7	11296.1	6405.0
72.5°	13288.5	13532.1	15336.9	18050.3	20190.7	20385.9	19529.4	16702.9	12541.5	6565.3	2727.1
75°	10252.0	10534.1	14062.9	17095.7	19130.5	18955.2	16780.0	12997.7	6853.7	1832.1	614.0
77.5°	5415.6	5566.0	9289.9	13023.8	14916.8	14550.1	11820.6	7210.4	2089.4	453.7	275.9
80°	2836.4	2871.2	4048.3	7389.4	9206.6	9209.1	7005.3	3167.1	861.4	232.4	185.2
82.5°	1518.9	1548.7	2139.1	3414.4	4823.9	4372.7	2682.3	1742.6	500.9	131.8	177.7
85°	365.4	371.6	1213.1	1559.9	1896.8	1354.8	796.7	1463.0	135.5	77.1	144.2
87.5°	140.5	142.9	450.0	674.9	483.5	313.2	372.9	545.7	17.4	29.8	22.4
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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REPORT NUMBER: P324020
CATALOG NUMBER: GLEON-SA6D-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8	5503.8
2.5°	5449.2	5416.8	5337.3	5236.6	5147.1	5082.5	4985.5	4922.1	4879.9	4878.6	4862.5
5°	5311.2	5245.3	5073.8	4869.9	4684.7	4518.2	4321.8	4166.4	4050.8	4032.2	3992.4
7.5°	5163.3	5055.1	4791.6	4473.4	4162.7	3847.0	3480.3	3252.8	3057.7	2964.5	2954.5
10°	5072.5	4920.9	4546.8	4086.9	3599.6	3086.3	2606.5	2274.6	2034.7	1966.4	1915.4
12.5°	5053.9	4853.8	4357.8	3723.9	3027.9	2349.2	1818.5	1465.5	1274.0	1213.1	1197.0
15°	5072.5	4822.7	4198.7	3364.7	2448.6	1666.8	1220.6	1015.5	943.4	926.0	924.8
17.5°	5083.7	4785.4	4018.5	2965.7	1886.8	1190.8	934.7	875.0	863.9	862.6	865.1
20°	5082.5	4728.2	3803.5	2520.7	1403.3	936.0	845.2	832.8	830.3	831.5	830.3
22.5°	5073.8	4661.1	3567.3	2062.1	1060.2	836.5	806.7	799.2	798.0	798.0	798.0
25°	5089.9	4607.7	3307.5	1623.3	873.8	790.5	771.9	765.7	764.4	764.4	761.9
27.5°	5148.4	4577.8	3022.9	1249.2	789.3	749.5	734.6	733.3	729.6	728.4	730.9
30°	5242.8	4577.8	2710.9	972.0	738.3	707.2	696.1	693.6	692.3	691.1	692.3
32.5°	5409.4	4612.6	2370.3	807.9	689.8	660.0	652.6	656.3	652.6	652.6	652.6
35°	5710.2	4717.0	2013.6	704.8	638.9	614.0	606.6	611.5	609.1	609.1	607.8
37.5°	6148.9	4911.0	1654.4	642.6	594.1	568.0	558.1	565.5	563.1	563.1	561.8
40°	6683.4	5193.1	1312.6	595.4	550.6	523.3	514.6	518.3	512.1	512.1	514.6
42.5°	7343.4	5551.1	1014.3	549.4	507.1	481.0	476.1	472.3	461.1	454.9	456.2
45°	8076.8	5924.0	790.5	504.6	466.1	445.0	437.5	427.6	408.9	396.5	397.7
47.5°	8731.8	6211.1	642.6	461.1	428.8	412.7	401.5	382.8	355.5	340.6	341.8
50°	9076.1	6254.6	546.9	417.6	394.0	377.9	361.7	333.1	300.8	284.6	283.4
52.5°	9164.4	6050.7	476.1	377.9	359.2	340.6	319.4	280.9	244.9	227.5	225.0
55°	9196.7	5740.0	412.7	340.6	321.9	300.8	273.5	229.9	196.4	179.0	177.7
57.5°	9089.8	5276.4	362.9	307.0	284.6	258.5	225.0	184.0	151.6	138.0	138.0
60°	8852.4	4648.7	324.4	271.0	246.1	216.3	181.5	142.9	113.1	101.9	101.9
62.5°	8378.8	3835.8	288.4	233.7	210.1	179.0	146.7	108.1	79.5	73.3	74.6
65°	7485.1	2909.8	252.3	200.1	179.0	147.9	114.4	77.1	53.4	53.4	55.9
67.5°	6104.2	2021.1	215.0	170.3	154.1	120.6	87.0	53.4	37.3	42.3	47.2
70°	4040.9	1133.6	184.0	140.5	131.8	95.7	64.6	36.0	29.8	39.8	48.5
72.5°	*1525.1*	*441.3*	*154.1*	*113.1*	*114.4*	*73.3*	*46.0*	*27.3*	*27.3*	*43.5*	*57.2*
75°	425.1	216.3	110.6	83.3	89.5	53.4	33.6	23.6	26.1	49.7	67.1
77.5°	249.8	159.1	72.1	48.5	60.9	37.3	22.4	18.6	22.4	42.3	64.6
80°	201.4	84.5	42.3	24.9	33.6	21.1	14.9	11.2	6.2	16.2	33.6
82.5°	201.4	51.0	19.9	17.4	17.4	11.2	7.5	5.0	1.2	0.0	8.7
85°	135.5	21.1	12.4	11.2	8.7	3.7	2.5	1.2	0.0	0.0	0.0
87.5°	22.4	8.7	5.0	2.5	1.2	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

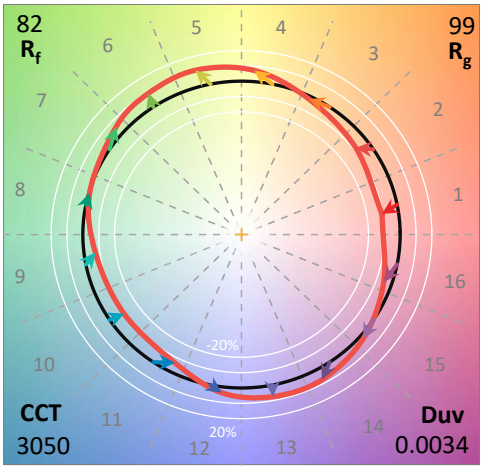
Test Information

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

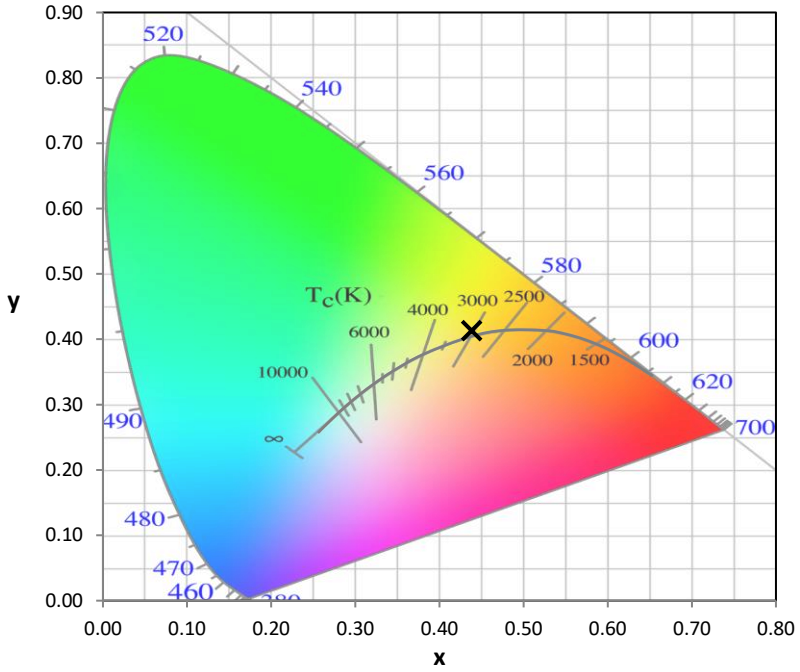
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

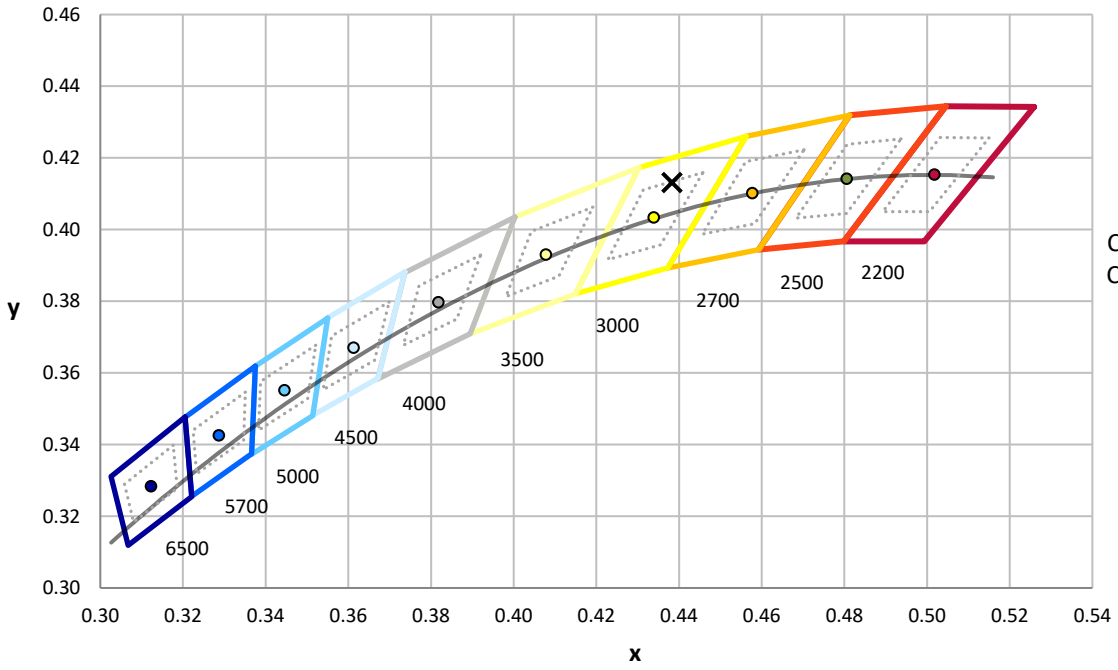
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

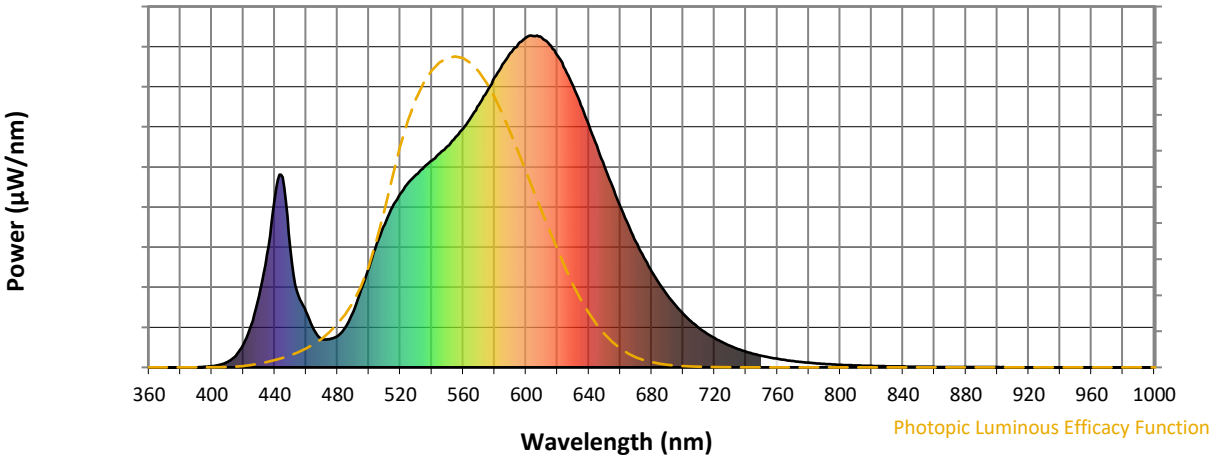


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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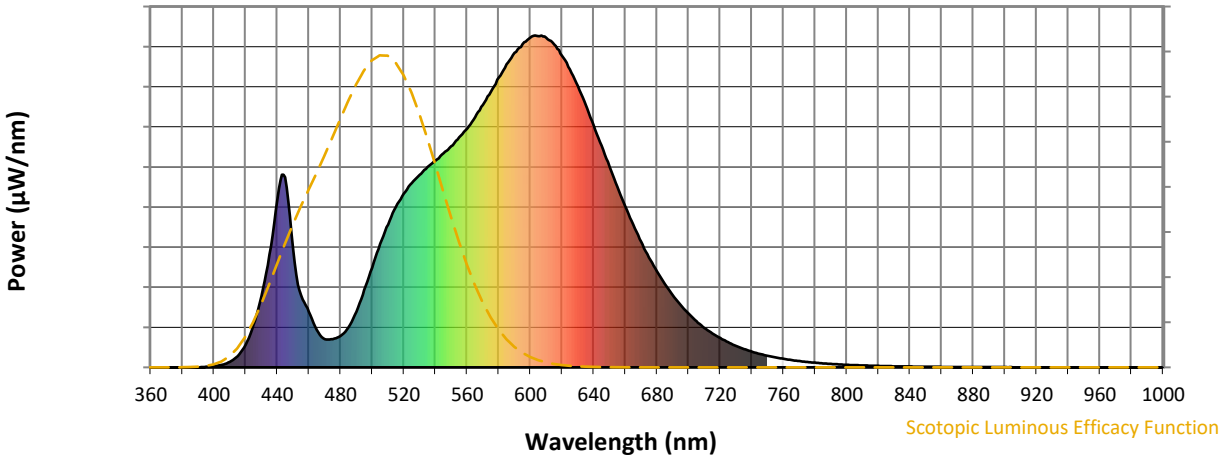
Scotopic Flux vs. Wavelength



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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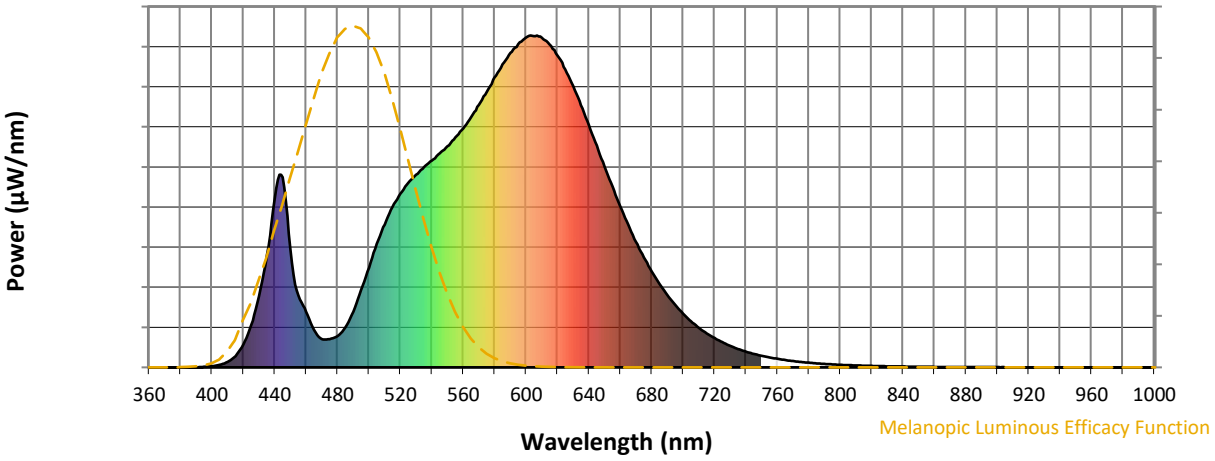
Melanopic Flux vs. Wavelength



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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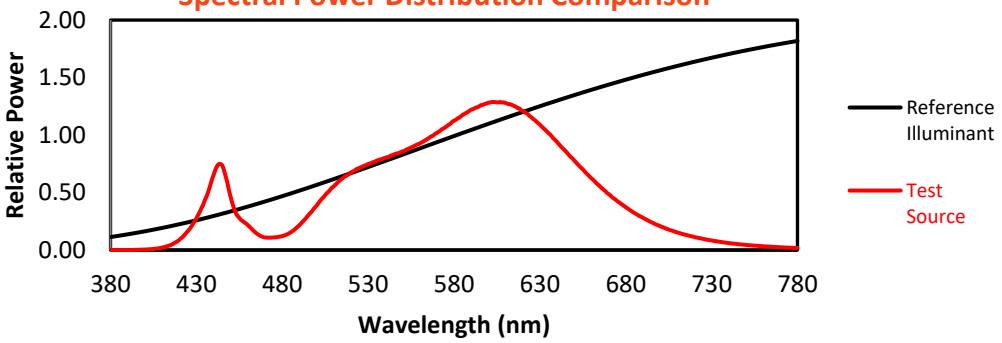
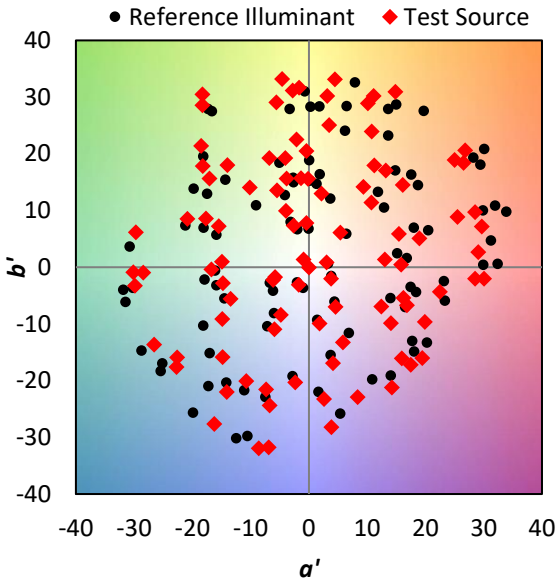
Summary

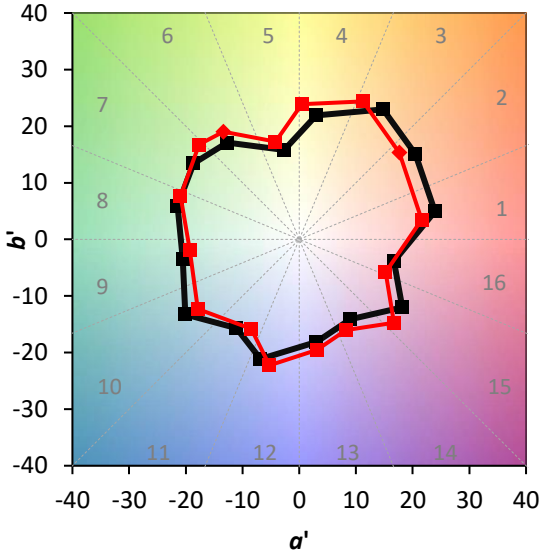
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

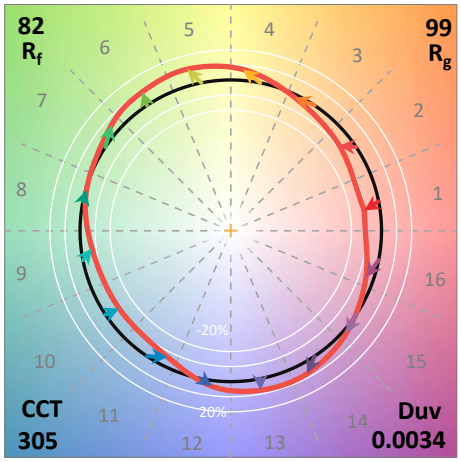
Spectral Power Distribution Comparison

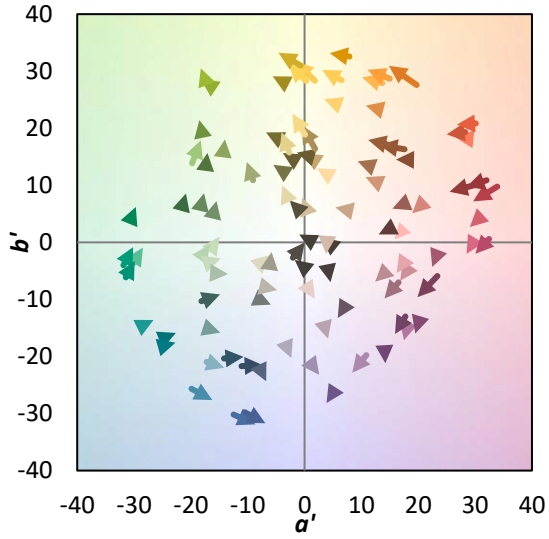


Color Vector Graphics









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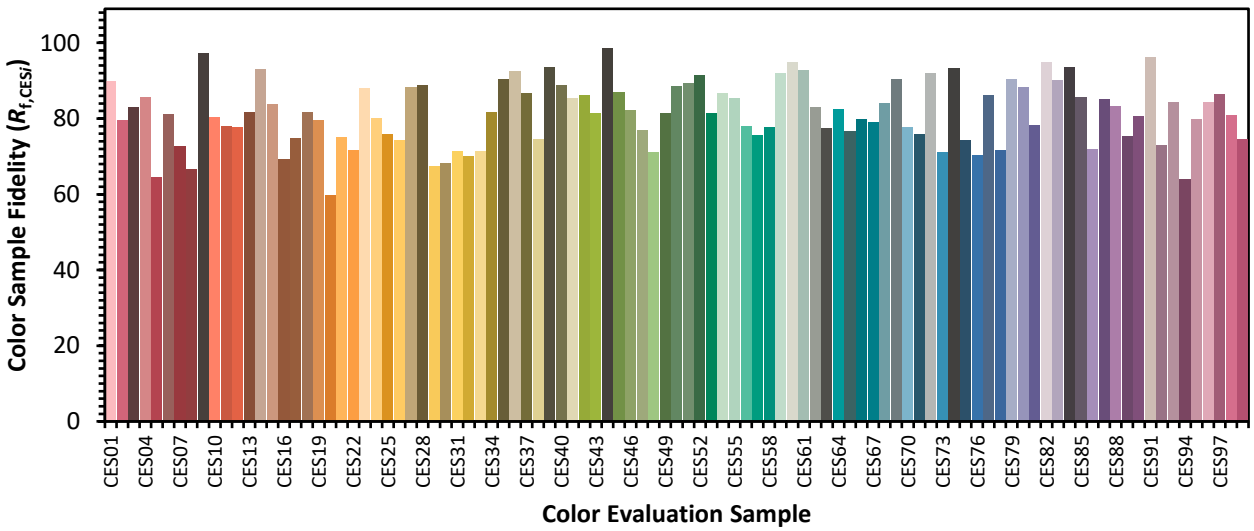
Individual Sample Fidelity Index ($R_{f,i}$)

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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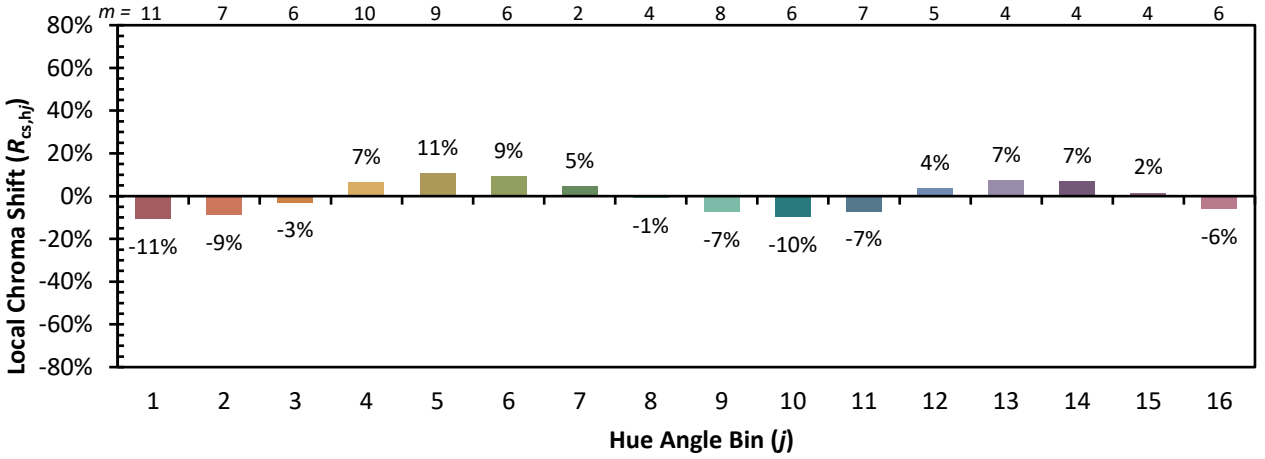
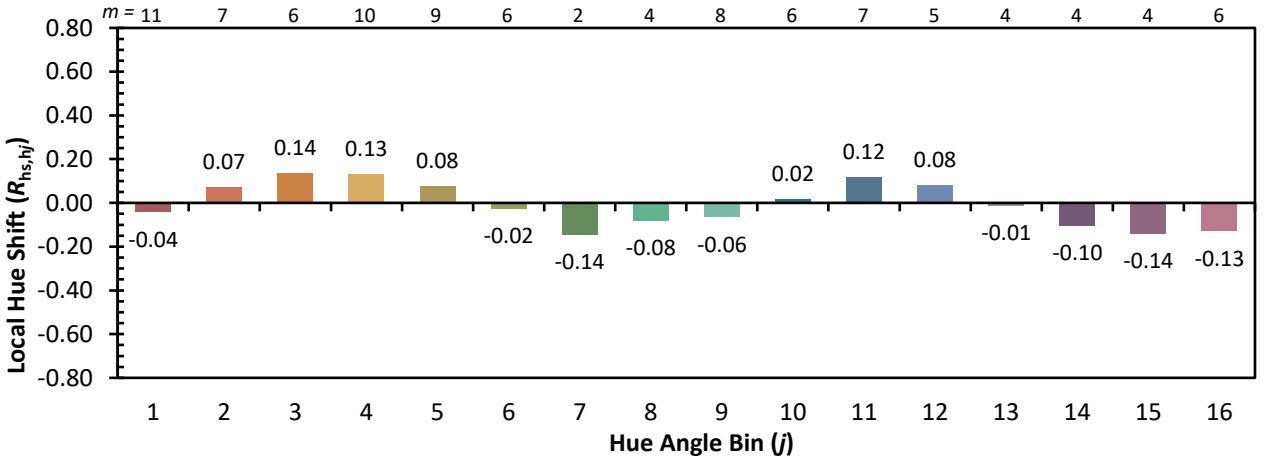
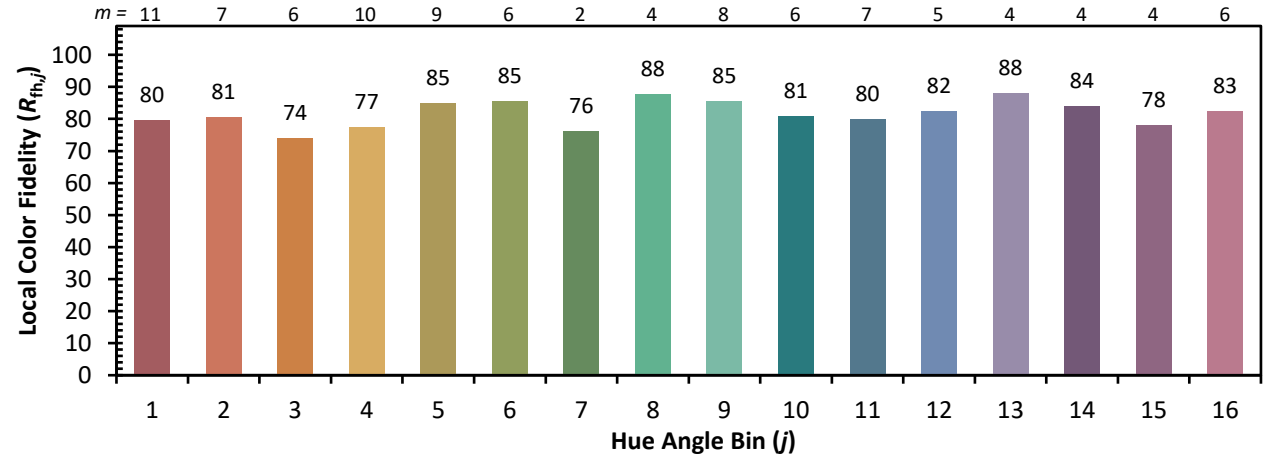
Color Rendition by Hue-Angle Bin







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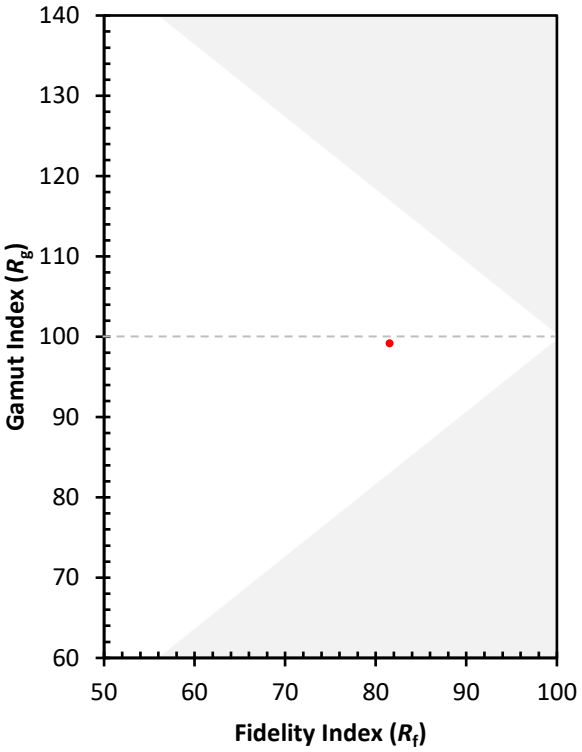
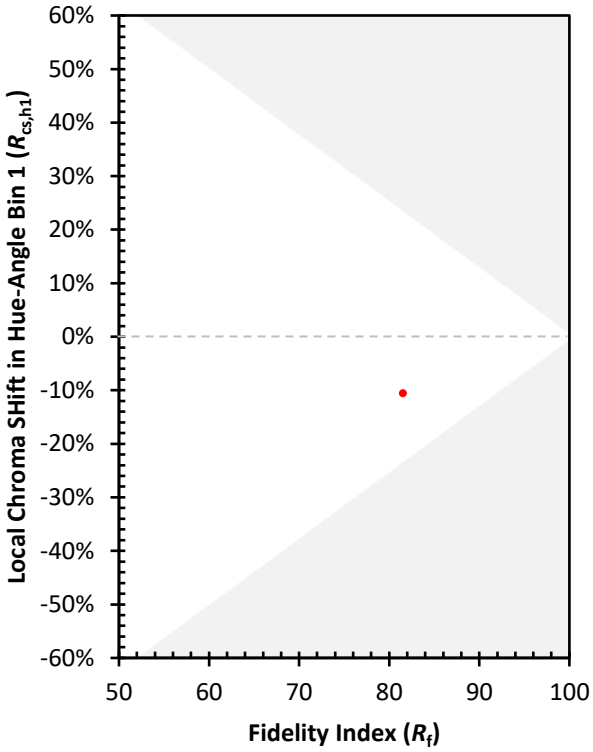
Measure Comparisons





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