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: P324004

Luminaire Tested: **GLEON-SA0B-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:	P324004
	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-SA0B-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 800mA 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:	36480 lumens
Efficiency:	N/A
Efficacy:	87.1 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	419
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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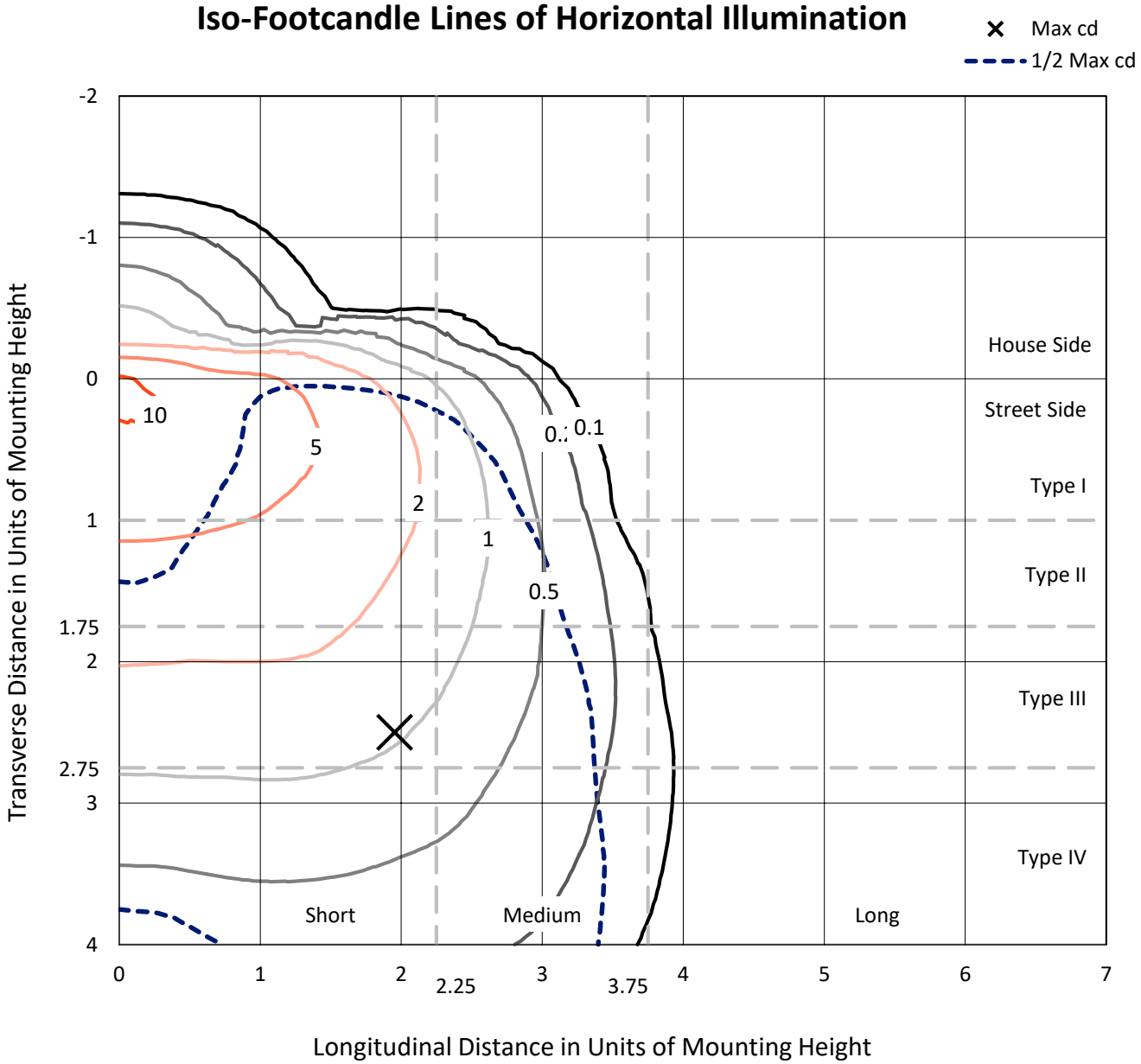
Scaled Data Report

REPORT NUMBER: P324004
CATALOG NUMBER: GLEON-SA0B-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
Type IV - Short - N/A

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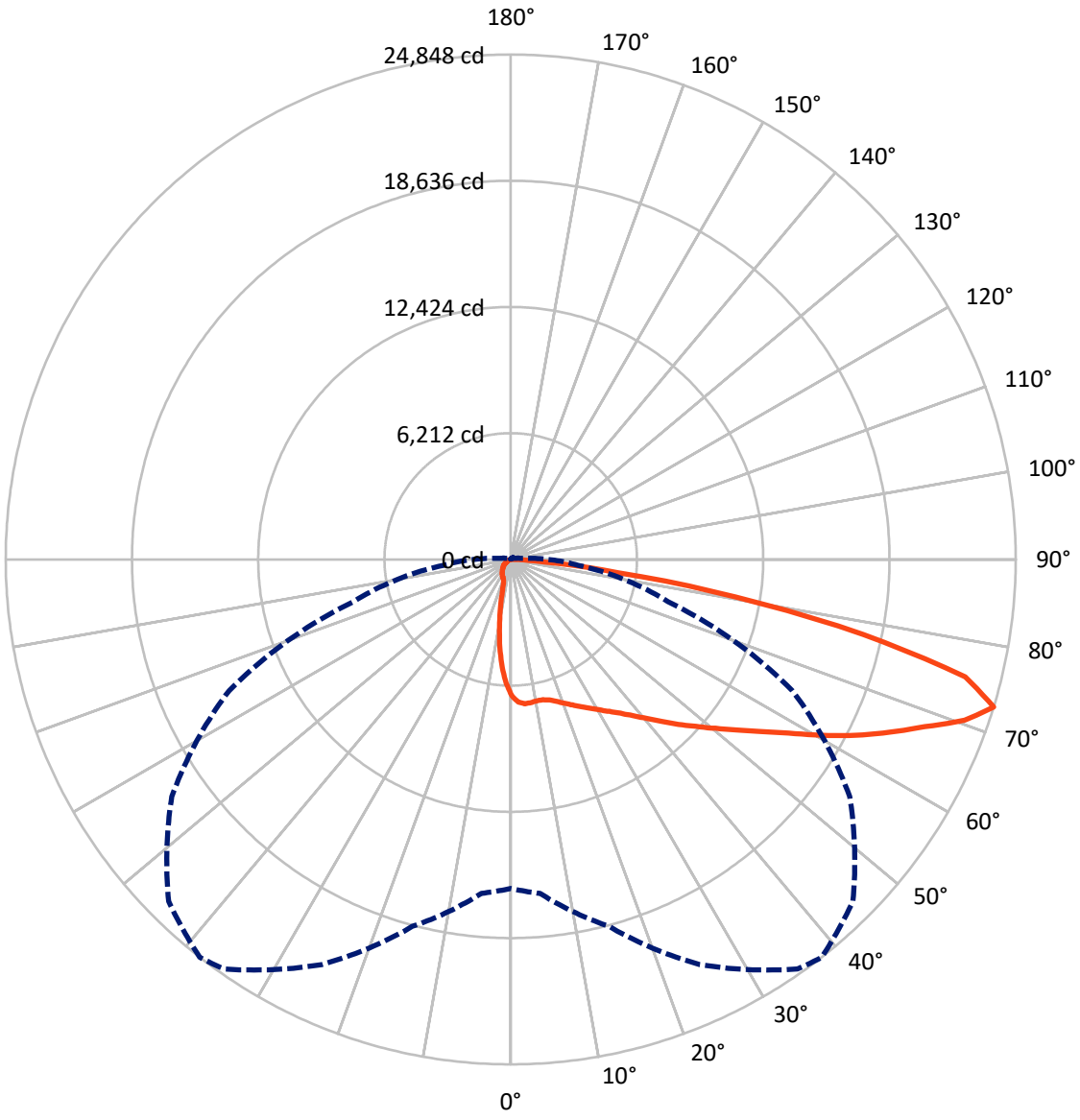
Luminous Intensity Polar Plot



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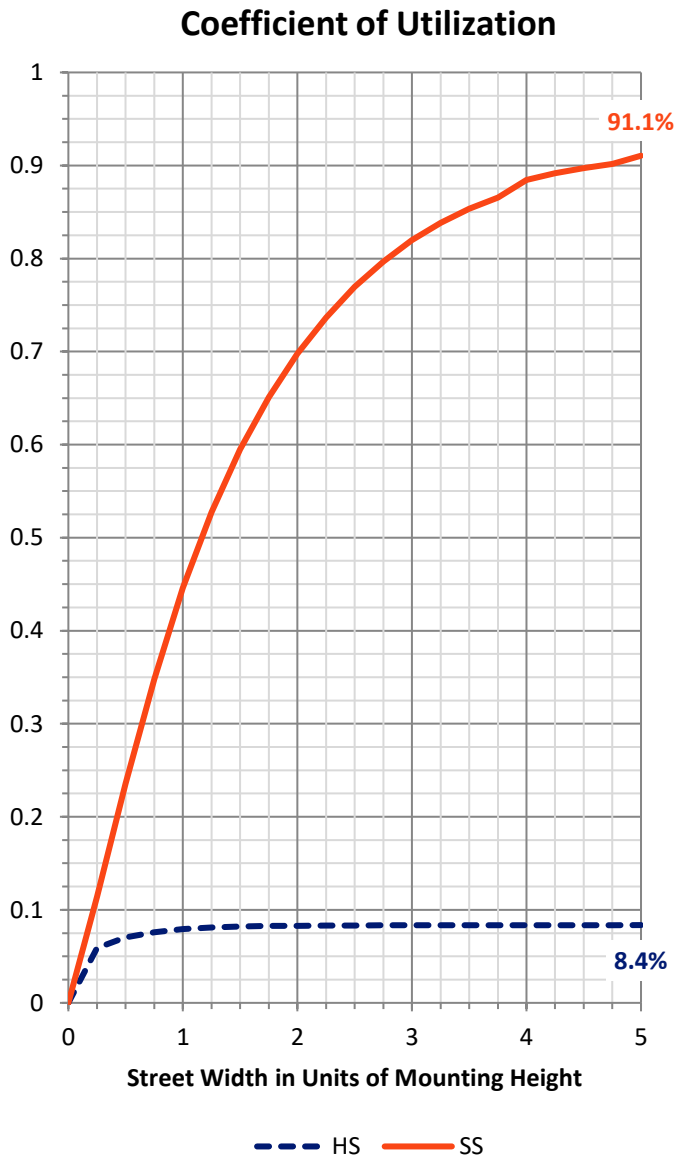
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3069.9	0.0	3069.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	33410.1	0.0	33410.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	36480.0	0.0	36480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.7	1.6
10°-20°	1397.9	3.8
20°-30°	2223.4	6.1
30°-40°	3342.6	9.2
40°-50°	5099.4	14.0
50°-60°	7207.1	19.8
60°-70°	9040.2	24.8
70°-80°	6759.5	18.5
80°-90°	838.2	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°	36480.0	100.0
0°-180°	36480.0	100.0



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REPORT NUMBER: P324004
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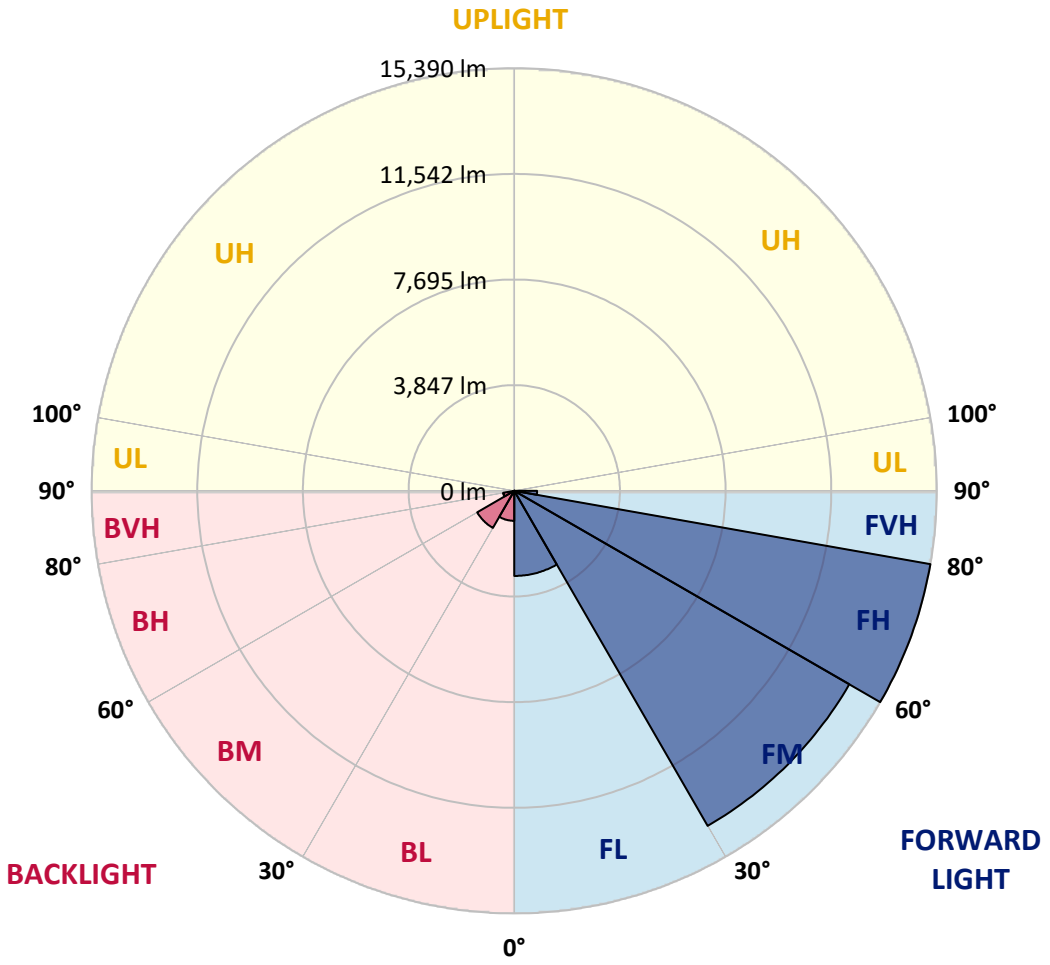
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3099.9	8.5			
FM	(30°-60°)	14090.2	38.6			
FH	(60°-80°)	15389.6	42.2			G5
FVH	(80°-90°)	830.3	2.3			G5
BL	(0°-30°)	1093.1	3.0	B3/2500		
BM	(30°-60°)	1558.9	4.3	B2/2500		
BH	(60°-80°)	410.1	1.1	B1/500		G1/500
BVH	(80°-90°)	7.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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REPORT NUMBER: P324004
CATALOG NUMBER: GLEON-SA0B-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6
2.5°	7120.6	7122.2	7105.5	7078.2	7043.4	7025.2	6994.9	6946.4	6894.9	6802.5	6702.5
5°	7266.1	7266.1	7244.9	7208.5	7152.5	7135.8	7078.2	7001.0	6894.9	6744.9	6576.7
7.5°	7250.9	7254.0	7225.2	7187.3	7131.2	7116.1	7046.4	6960.0	6828.2	6646.4	6431.3
10°	7172.2	7179.7	7157.0	7138.8	7087.3	7070.6	7005.5	6919.1	6787.3	6593.4	6346.5
12.5°	7091.9	7099.4	7107.0	7123.7	7091.9	7085.8	7034.3	6961.6	6835.8	6634.3	6355.5
15°	7040.3	7055.5	7110.0	7175.2	7182.8	7176.7	7143.4	7075.2	6947.9	6738.9	6420.7
17.5°	7040.3	7064.6	7178.2	7302.4	7346.4	7350.9	7322.1	7226.7	7075.2	6851.0	6481.3
20°	7099.4	7132.8	7310.0	7485.8	7558.5	7558.5	7502.4	7369.1	7191.8	6952.5	6522.2
22.5°	7250.9	7294.9	7517.6	7720.6	7797.9	7781.2	7705.4	7511.5	7313.0	7067.6	6573.7
25°	7549.4	7582.7	7814.5	8019.1	8066.0	8028.1	7932.7	7684.2	7467.6	7223.7	6667.6
27.5°	7934.2	7938.8	8178.1	8350.8	8322.1	8296.3	8176.6	7900.9	7690.3	7446.4	6829.8
30°	8356.9	8356.9	8567.5	8699.3	8611.4	8590.2	8470.5	8163.0	7975.1	7749.4	7060.0
32.5°	8766.0	8784.1	8955.3	9038.7	8940.2	8919.0	8802.3	8494.8	8353.9	8211.5	7419.1
35°	9161.4	9175.0	9337.1	9382.6	9288.6	9294.7	9211.4	8950.8	8897.8	8879.6	7960.0
37.5°	9544.7	9547.7	9712.9	9741.6	9694.7	9746.2	9753.8	9523.5	9622.0	9768.9	8722.0
40°	9894.7	9897.7	10061.3	10135.5	10215.8	10282.5	10341.6	10218.9	10544.6	10885.5	9629.5
42.5°	10174.9	10206.8	10414.3	10555.2	10767.3	10894.6	11055.2	11049.1	11643.0	12155.1	10726.4
45°	10421.9	10476.4	10765.8	11012.8	11376.4	11579.4	11830.9	12027.8	12879.3	13568.6	11836.9
47.5°	10747.6	10799.1	11129.4	11533.9	12018.7	12285.4	12702.0	13127.7	14238.2	14956.4	12921.7
50°	11206.7	11183.9	11509.7	12089.9	12712.6	13062.6	13656.5	14294.3	15586.6	16165.4	13559.5
52.5°	11696.0	11686.9	11927.8	12694.4	13530.7	13939.8	14724.6	15500.3	16875.9	16998.6	13851.9
55°	12302.0	12236.9	12439.9	13383.8	14501.9	14941.2	15865.4	16694.1	17903.1	17468.3	13998.9
57.5°	12936.8	12829.3	13023.2	14151.9	15597.2	16116.9	17128.9	17857.7	18586.4	17789.5	13997.4
60°	13592.8	13465.6	13695.9	15112.4	16957.7	17559.2	18498.5	18644.0	19224.2	17951.6	13894.3
62.5°	14141.3	14065.5	14407.9	16139.6	18477.3	19068.2	19533.3	19359.1	19762.0	18077.3	13653.4
65°	14721.5	14726.1	15279.1	17338.0	20092.3	20490.8	20530.2	20286.2	20212.0	18051.6	12838.4
67.5°	15506.3	15579.1	16501.7	18965.1	21663.4	21971.0	21967.9	21290.7	20540.8	17027.4	11030.9
70°	16336.6	16507.8	17910.7	20827.1	23378.4	23690.5	23529.9	21930.1	19340.9	13768.6	7806.9
72.5°	16197.2	16494.1	18694.0	22001.3	24610.1	24848.0	23804.1	20359.0	15286.7	8002.4	3324.0
75°	12496.0	12839.9	17141.0	20837.7	23317.8	23104.2	20452.9	15842.7	8353.9	2233.2	748.4
77.5°	6601.0	6784.3	11323.3	15874.5	18181.9	17734.9	14407.9	8788.7	2546.8	553.0	336.3
80°	3457.3	3499.7	4934.5	9006.9	11221.8	11224.9	8538.7	3860.3	1049.9	283.3	225.7
82.5°	1851.4	1887.7	2607.4	4161.8	5879.8	5329.9	3269.4	2124.1	610.6	160.6	216.6
85°	445.4	453.0	1478.7	1901.4	2311.9	1651.4	971.1	1783.2	165.1	93.9	175.7
87.5°	171.2	174.2	548.4	822.7	589.3	381.8	454.5	665.1	21.2	36.4	27.3
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: P324004
CATALOG NUMBER: GLEON-SA0B-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6	6708.6
2.5°	6641.9	6602.5	6505.5	6382.8	6273.7	6195.0	6076.8	5999.5	5948.0	5946.5	5926.8
5°	6473.7	6393.4	6184.4	5935.9	5710.1	5507.1	5267.8	5078.4	4937.5	4914.8	4866.3
7.5°	6293.4	6161.6	5840.4	5452.6	5073.8	4689.0	4242.1	3964.8	3727.0	3613.3	3601.2
10°	6182.8	5998.0	5542.0	4981.4	4387.5	3761.8	3177.0	2772.5	2480.1	2396.8	2334.7
12.5°	6160.1	5916.2	5311.7	4539.0	3690.6	2863.4	2216.5	1786.2	1552.9	1478.7	1459.0
15°	6182.8	5878.3	5117.8	4101.2	2984.6	2031.7	1487.8	1237.8	1149.9	1128.7	1127.2
17.5°	6196.5	5832.9	4898.1	3614.9	2299.8	1451.4	1139.3	1066.6	1052.9	1051.4	1054.5
20°	6195.0	5763.2	4636.0	3072.5	1710.5	1140.8	1030.2	1015.1	1012.0	1013.6	1012.0
22.5°	6184.4	5681.4	4348.1	2513.4	1292.3	1019.6	983.3	974.2	972.6	972.6	972.6
25°	6204.0	5616.2	4031.5	1978.6	1065.1	963.6	940.8	933.3	931.7	931.7	928.7
27.5°	6275.3	5579.9	3684.6	1522.6	962.0	913.6	895.4	893.9	889.3	887.8	890.8
30°	6390.4	5579.9	3304.3	1184.8	899.9	862.1	848.4	845.4	843.9	842.4	843.9
32.5°	6593.4	5622.3	2889.2	984.8	840.8	804.5	795.4	799.9	795.4	795.4	795.4
35°	6960.0	5749.5	2454.3	859.0	778.7	748.4	739.3	745.4	742.4	742.4	740.8
37.5°	7494.9	5985.9	2016.5	783.3	724.2	692.4	680.2	689.3	686.3	686.3	684.8
40°	8146.3	6329.8	1599.9	725.7	671.2	637.8	627.2	631.8	624.2	624.2	627.2
42.5°	8950.8	6766.1	1236.3	669.6	618.1	586.3	580.3	575.7	562.1	554.5	556.0
45°	9844.7	7220.6	963.6	615.1	568.1	542.4	533.3	521.2	498.4	483.3	484.8
47.5°	10643.1	7570.6	783.3	562.1	522.7	503.0	489.4	466.6	433.3	415.1	416.6
50°	11062.7	7623.6	666.6	509.0	480.3	460.6	440.9	406.0	366.6	346.9	345.4
52.5°	11170.3	7375.2	580.3	460.6	437.8	415.1	389.4	342.4	298.5	277.3	274.2
55°	11209.7	6996.4	503.0	415.1	392.4	366.6	333.3	280.3	239.4	218.2	216.6
57.5°	11079.4	6431.3	442.4	374.2	346.9	315.1	274.2	224.2	184.8	168.2	168.2
60°	10790.0	5666.2	395.4	330.3	300.0	263.6	221.2	174.2	137.9	124.2	124.2
62.5°	10212.8	4675.4	351.5	284.8	256.0	218.2	178.8	131.8	97.0	89.4	90.9
65°	9123.5	3546.7	307.6	243.9	218.2	180.3	139.4	93.9	65.1	65.1	68.2
67.5°	7440.3	2463.4	262.1	207.6	187.9	147.0	106.1	65.1	45.5	51.5	57.6
70°	4925.4	1381.7	224.2	171.2	160.6	116.7	78.8	43.9	36.4	48.5	59.1
72.5°	*1858.9*	*537.8*	*187.9*	*137.9*	*139.4*	*89.4*	*56.1*	*33.3*	*33.3*	*53.0*	*69.7*
75°	518.1	263.6	134.8	101.5	109.1	65.1	40.9	28.8	31.8	60.6	81.8
77.5°	304.5	193.9	87.9	59.1	74.2	45.5	27.3	22.7	27.3	51.5	78.8
80°	245.4	103.0	51.5	30.3	40.9	25.8	18.2	13.6	7.6	19.7	40.9
82.5°	245.4	62.1	24.2	21.2	21.2	13.6	9.1	6.1	1.5	0.0	10.6
85°	165.1	25.8	15.2	13.6	10.6	4.5	3.0	1.5	0.0	0.0	0.0
87.5°	27.3	10.6	6.1	3.0	1.5	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

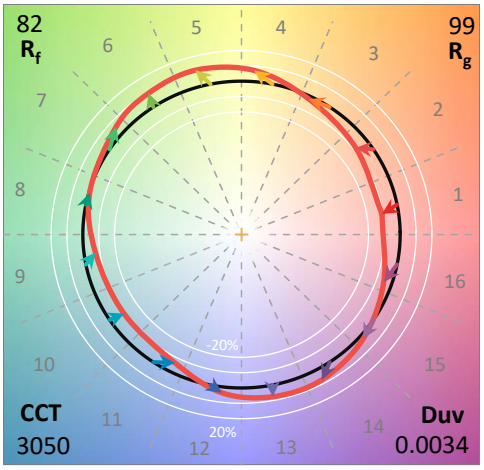
Test Information

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

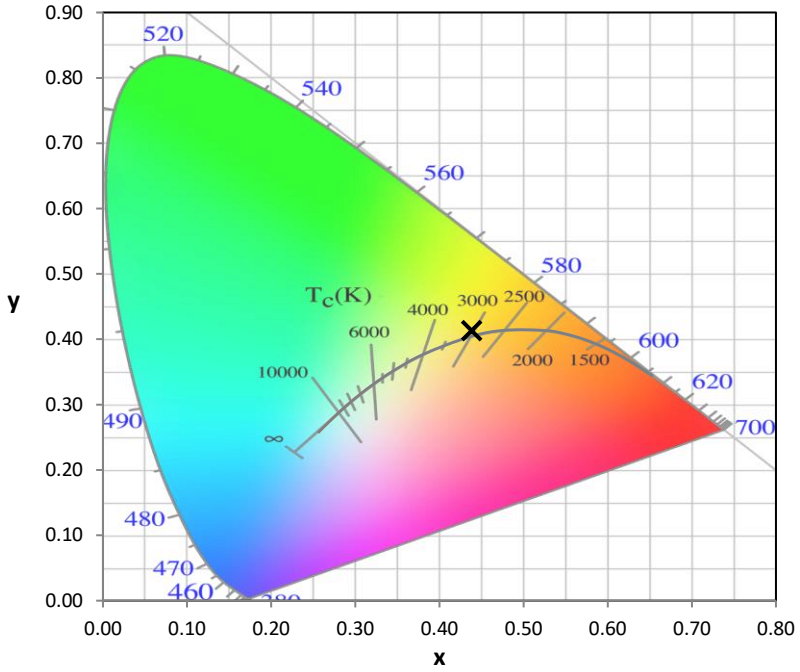
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

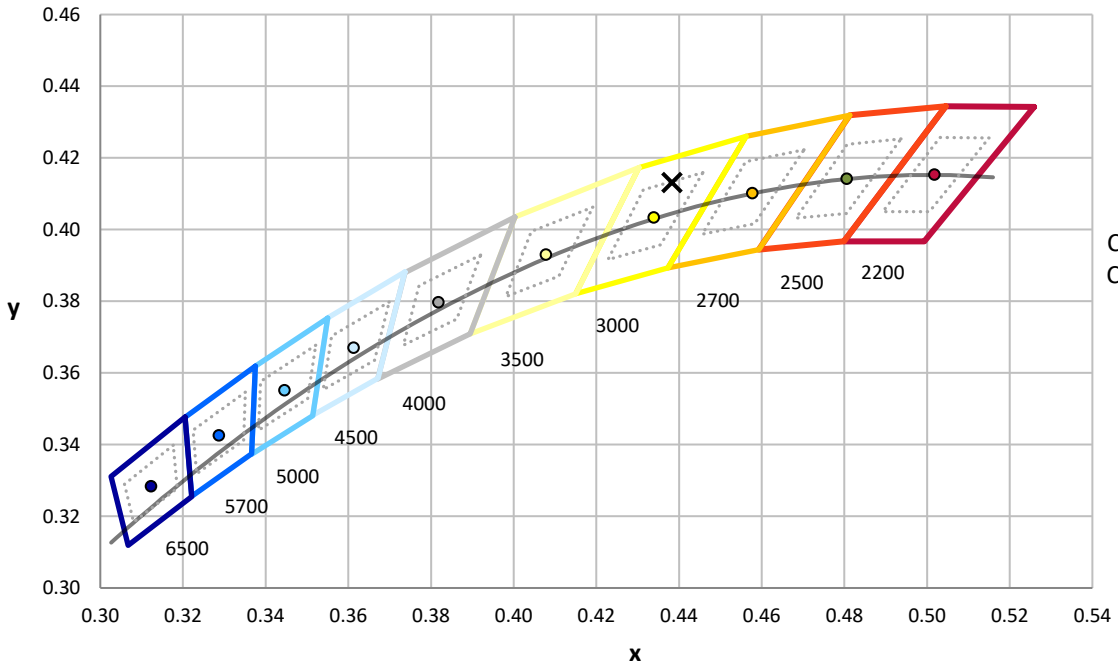
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

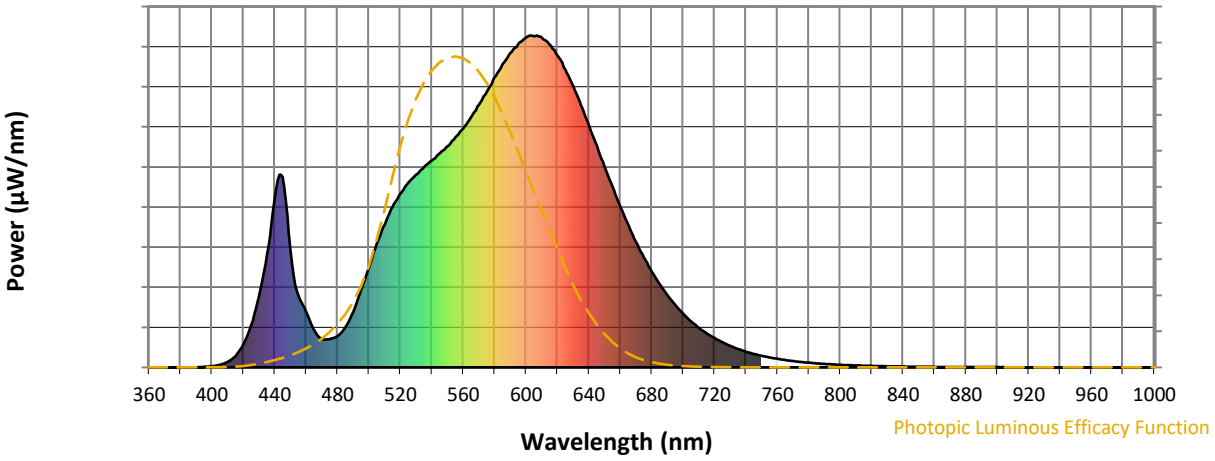


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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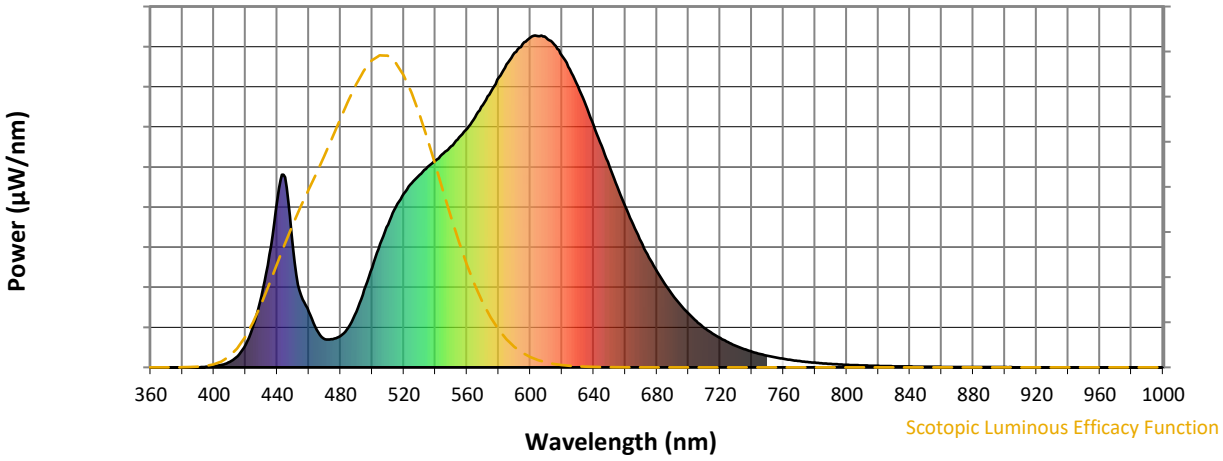
Scotopic Flux vs. Wavelength



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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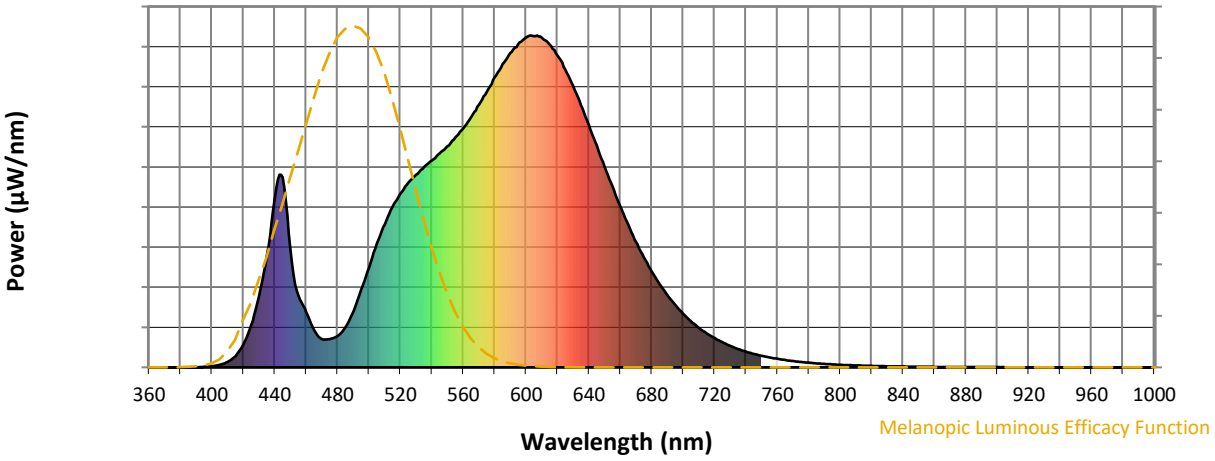
Melanopic Flux vs. Wavelength



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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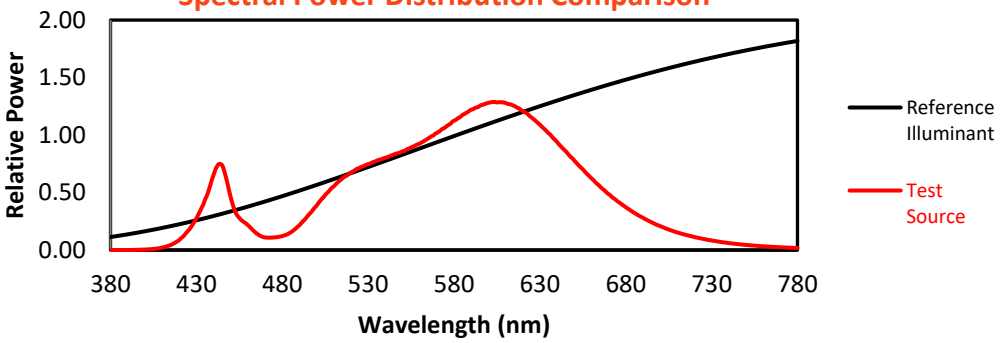
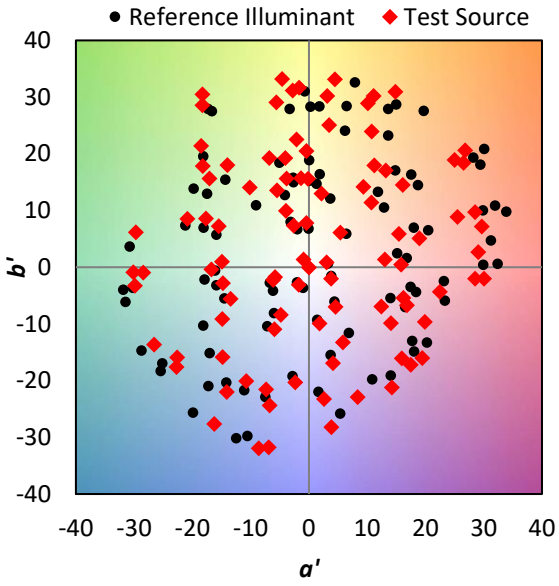
Summary

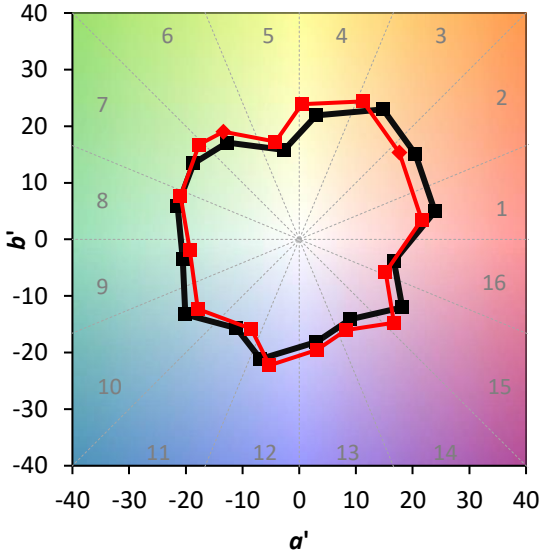
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

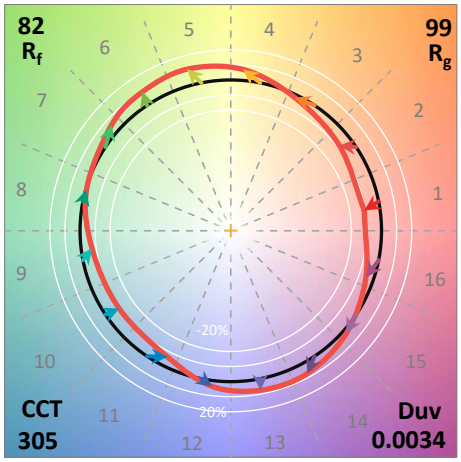
Spectral Power Distribution Comparison

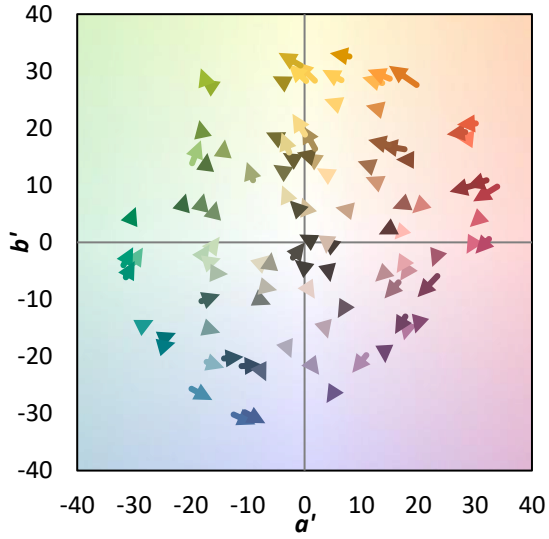


Color Vector Graphics









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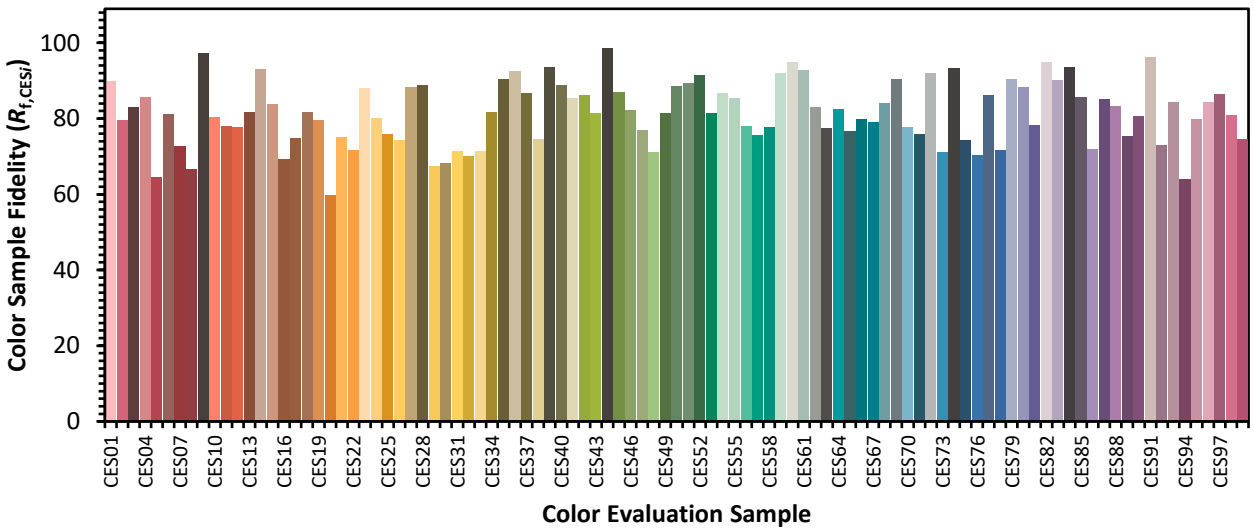
Individual Sample Fidelity Index ($R_{f,i}$)

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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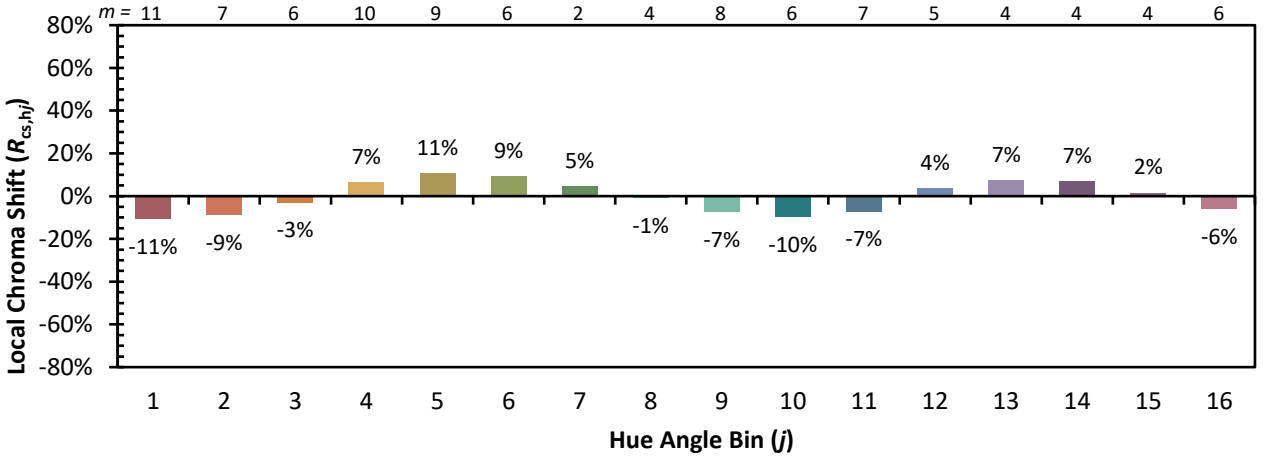
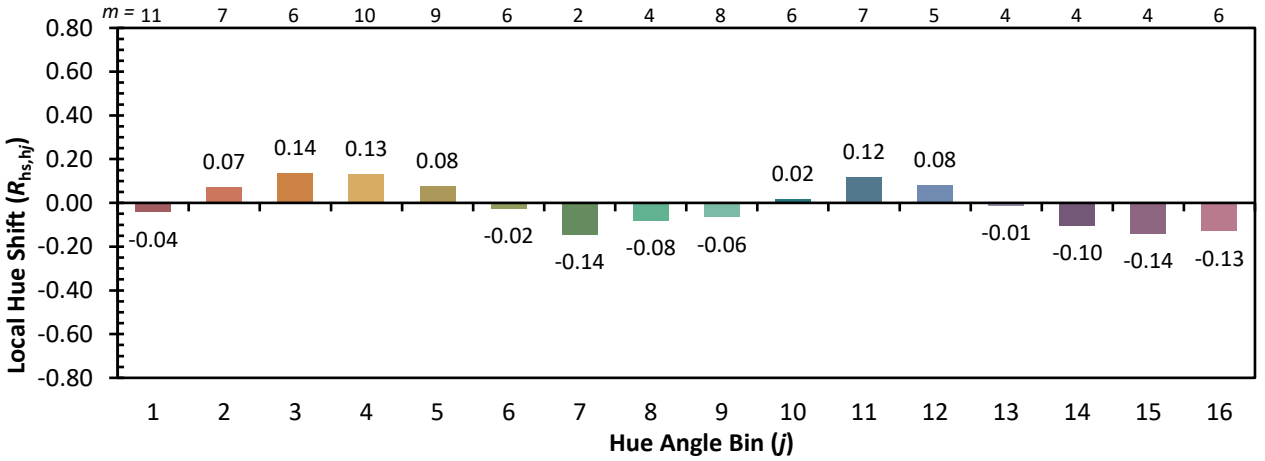
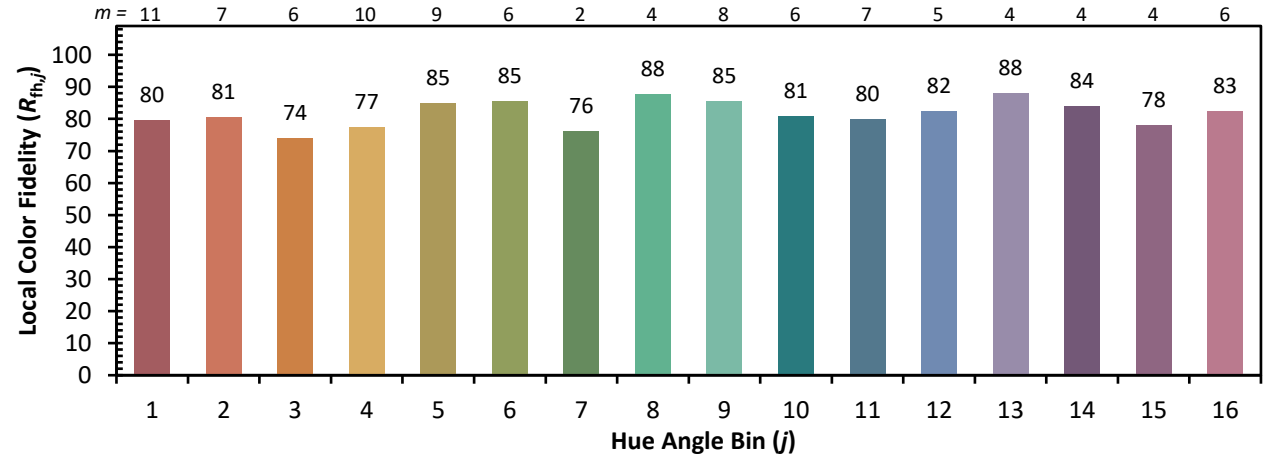
Color Rendition by Hue-Angle Bin







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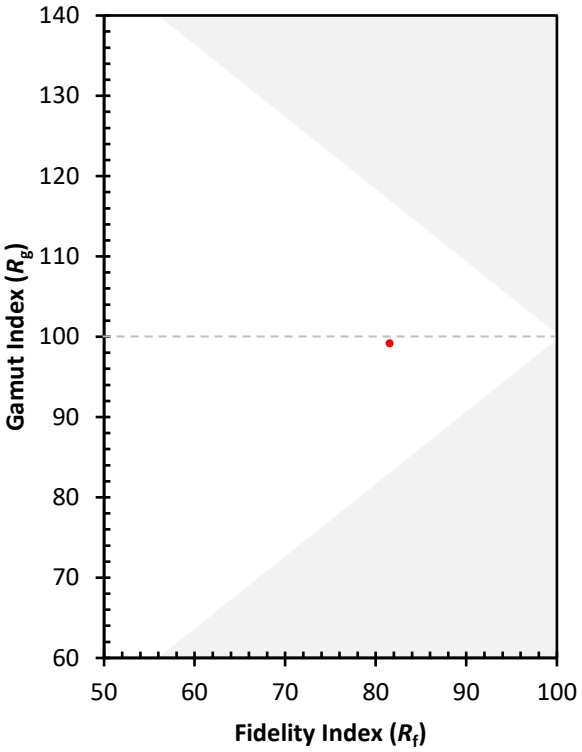
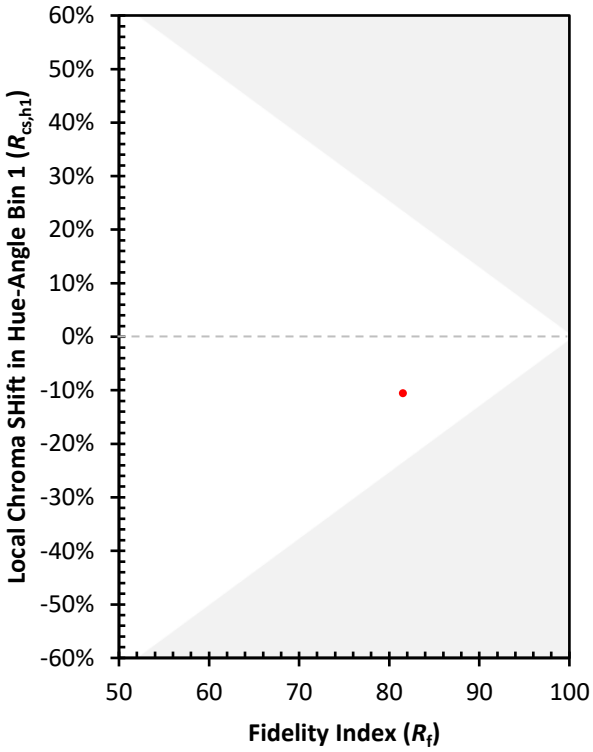
Measure Comparisons





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