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: P323699

Luminaire Tested: **GLEON-SA5D-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:	P323699
	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-SA5D-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1200mA 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:	26327 lumens
Efficiency:	N/A
Efficacy:	82.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G4

Input Watts (W):	320
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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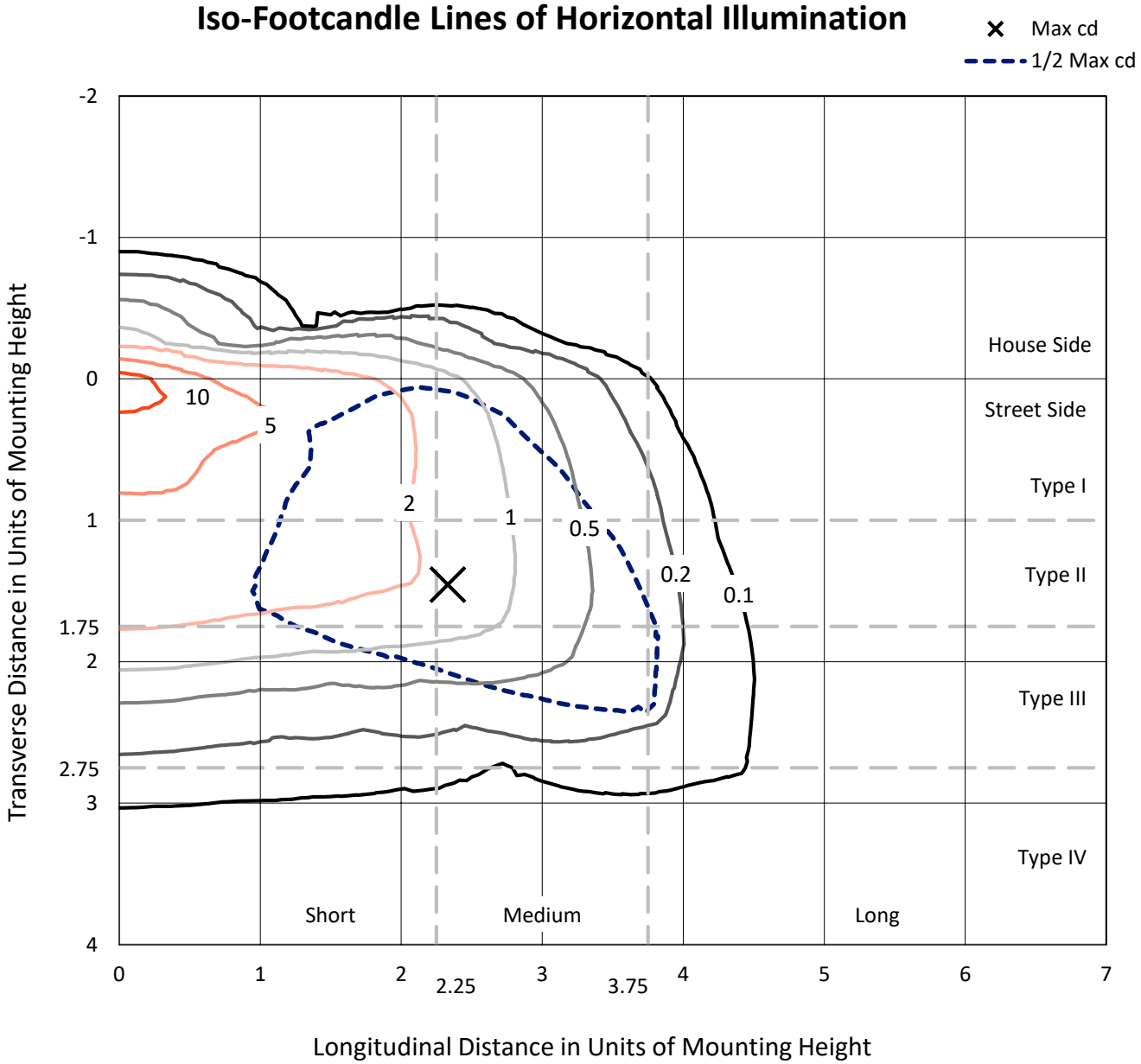
Scaled Data Report

REPORT NUMBER: P323699
CATALOG NUMBER: GLEON-SA5D-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
Type III - Medium - N/A

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REPORT NUMBER: P323699
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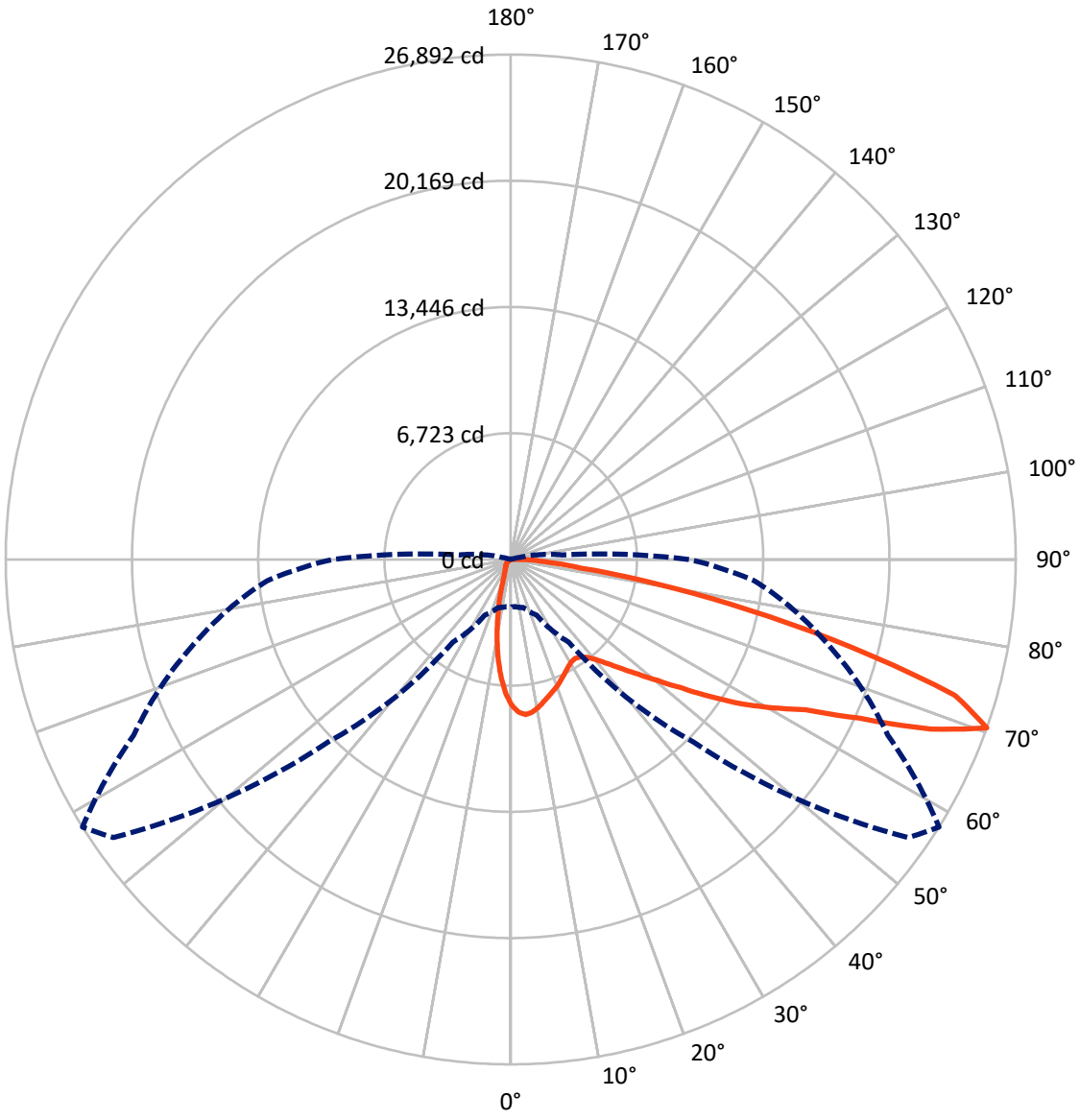
Luminous Intensity Polar Plot



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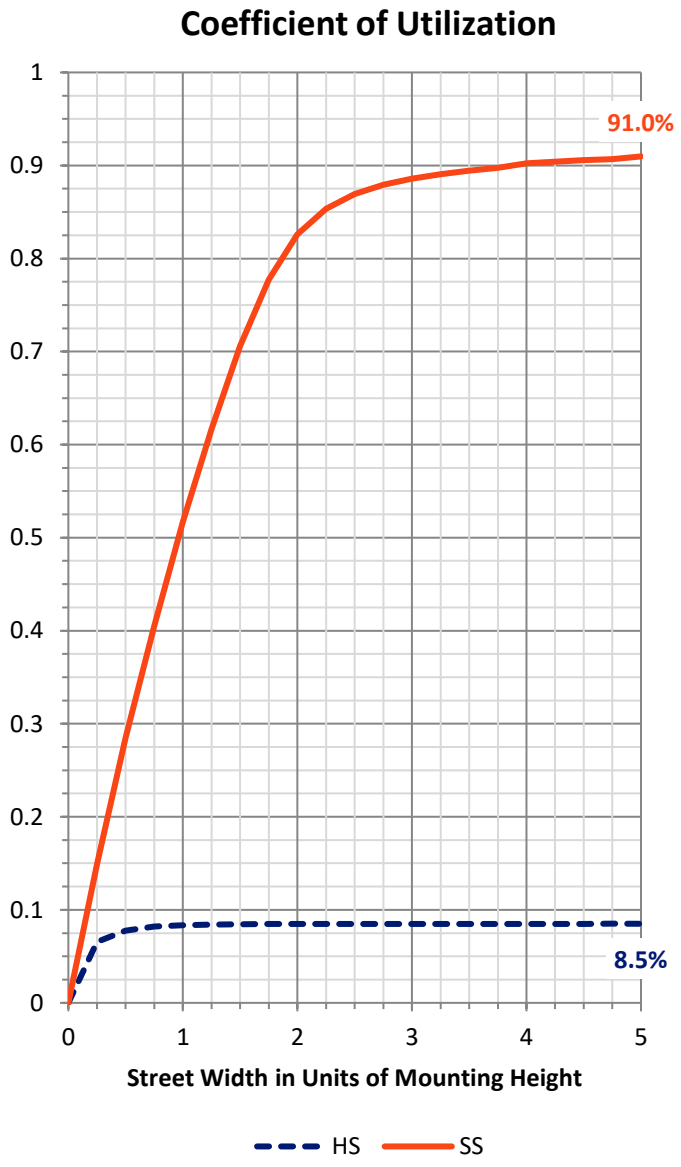
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2253.0	0.0	2253.0
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	24074.0	0.0	24074.0
	% Fixture	91.4	0.0	91.4
Total	Lumens	26327.0	0.0	26327.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	635.9	2.4
10°-20°	1334.7	5.1
20°-30°	1754.7	6.7
30°-40°	2323.9	8.8
40°-50°	3473.5	13.2
50°-60°	5564.4	21.1
60°-70°	7013.9	26.6
70°-80°	3783.2	14.4
80°-90°	442.8	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°	26327.0	100.0
0°-180°	26327.0	100.0



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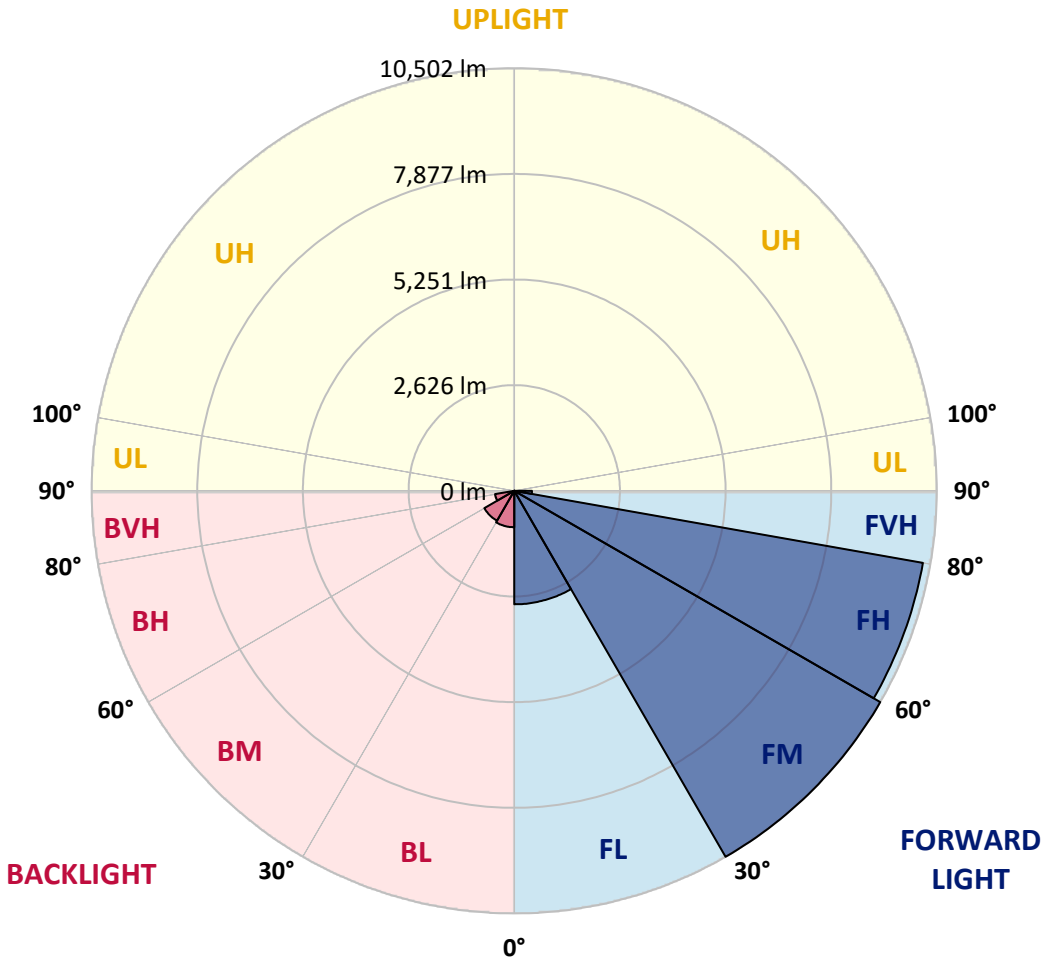
REPORT NUMBER: P323699
CATALOG NUMBER: GLEON-SA5D-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2820.2	10.7			
FM	(30°-60°)	10502.2	39.9			
FH	(60°-80°)	10312.6	39.2			G4/12000
FVH	(80°-90°)	439.0	1.7			G3/500
BL	(0°-30°)	905.2	3.4	B2/1000		
BM	(30°-60°)	859.5	3.3	B1/1000		
BH	(60°-80°)	484.5	1.8	B1/500		G1/500
BVH	(80°-90°)	3.8	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 III Medium



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REPORT NUMBER: P323699
CATALOG NUMBER: GLEON-SA5D-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7776.9	7776.9	7776.9	7776.9	7776.9	7776.9	7776.9	*7776.9*	7776.9	7776.9	7776.9
2.5°	8421.7	8400.9	8393.2	8380.1	8329.7	8280.4	8183.0	*8155.6*	8094.3	7948.7	7794.4
5°	8428.2	8427.1	8450.1	8444.6	8427.1	8404.1	8334.1	*8298.0*	8194.0	7986.0	7703.5
7.5°	8022.1	8042.9	8094.3	8135.9	8184.1	8246.5	8255.3	*8220.2*	8134.8	7910.4	7536.0
10°	7476.9	7509.8	7582.0	7664.1	7790.0	7914.8	8026.5	*8022.1*	7992.5	7771.4	7334.6
12.5°	6930.7	6969.0	7052.2	7173.7	7352.1	7555.7	7755.0	*7782.3*	7831.6	7646.6	7148.5
15°	6452.3	6485.1	6567.2	6716.1	6937.2	7210.9	7503.2	*7553.5*	7680.5	7549.2	6993.1
17.5°	6046.1	6066.9	6127.1	6292.4	6548.6	6880.3	7260.2	*7358.7*	7548.1	7472.5	6858.4
20°	5762.6	5765.9	5805.3	5921.3	6177.5	6548.6	7008.4	*7149.6*	7408.0	7406.9	6719.4
22.5°	5622.5	5611.5	5619.2	5686.0	5874.3	6232.2	6756.6	*6924.1*	7282.1	7351.0	6578.2
25°	5596.2	5587.4	5565.5	5574.3	5688.2	5955.3	6502.6	*6696.4*	7171.5	7317.1	6455.5
27.5°	5678.3	5687.1	5649.8	5610.4	5619.2	5775.7	6277.1	*6501.5*	7081.7	7317.1	6369.1
30°	5843.6	5848.0	5820.6	5769.2	5700.2	5725.4	6120.6	*6345.0*	7036.8	7367.4	6314.3
32.5°	6026.4	6050.5	6047.2	6005.6	5907.1	5805.3	6083.3	*6288.1*	7033.6	7479.1	6308.9
35°	6253.0	6280.4	6326.4	6317.6	6214.7	6047.2	6210.3	*6371.3*	7098.1	7663.0	6368.0
37.5°	6493.9	6535.5	6634.0	6681.1	6614.3	6424.9	6495.0	*6609.9*	7271.1	7960.8	6517.9
40°	6727.0	6774.1	6953.6	7138.7	7088.3	6893.4	6926.3	*7018.2*	7578.7	8388.8	6802.6
42.5°	6955.8	7025.9	7289.7	7594.1	7654.3	7498.8	7516.3	*7589.7*	8035.2	8977.8	7267.8
45°	7229.5	7308.3	7699.1	8074.6	8235.6	8167.7	8242.1	*8290.3*	8631.8	9756.1	7895.1
47.5°	7631.3	7722.1	8201.6	8629.7	8912.1	8955.9	9105.9	*9137.6*	9386.1	10662.5	8712.9
50°	8415.1	8440.3	8873.8	9262.4	9669.6	9932.4	10103.1	*10127.2*	10299.1	11653.3	9734.2
52.5°	9401.4	9417.9	9663.1	9923.6	10386.7	10923.1	11322.7	*11356.6*	11392.7	12618.8	10742.5
55°	10381.2	10379.0	10541.0	10694.3	11224.1	12003.6	12870.6	*12891.4*	12631.9	13535.1	11513.1
57.5°	10993.2	11052.3	11298.6	11495.6	12235.7	13235.1	14438.2	*14514.9*	13933.6	14213.8	12275.1
60°	10798.3	10826.8	11373.0	12102.1	13495.7	14985.6	16024.5	*16044.2*	14912.2	14891.4	13238.4
62.5°	9200.0	9215.3	10073.6	11576.6	14133.9	17256.0	17938.0	*17617.3*	16037.6	15831.8	14391.2
65°	6305.6	6405.2	7122.2	8980.0	12961.5	18680.3	20900.3	*20369.4*	17753.0	17187.1	15433.3
67.5°	3713.3	3692.5	4047.2	5415.6	9519.7	17734.4	24647.6	*24119.9*	20092.4	18094.6	15127.9
70°	*2536.5*	*2522.2*	*2658.0*	*3278.7*	*5374.0*	*13757.3*	*25826.6*	*26891.7*	*22158.2*	*17483.7*	*13019.5*
72.5°	1810.7	1818.3	2018.7	2547.4	3373.9	8015.5	22209.6	*24730.8*	21511.2	15241.7	9896.2
75°	1229.4	1250.2	1537.0	2089.8	2957.9	4077.8	15760.6	*18799.6*	17516.6	11077.4	5688.2
77.5°	661.2	684.2	1022.5	1683.7	2674.4	2833.1	10138.2	*12938.5*	11003.0	4979.9	1648.6
80°	275.9	289.0	478.4	1223.9	2310.9	2488.3	5965.1	*7845.8*	4688.7	982.0	367.8
82.5°	119.3	125.9	199.2	730.2	1727.5	2100.8	3158.3	*3774.6*	1420.9	215.7	185.0
85°	23.0	24.1	82.1	386.4	1102.4	1185.6	2047.1	*2006.6*	638.2	93.1	134.7
87.5°	0.0	0.0	19.7	121.5	324.0	645.9	1249.1	*1233.7*	216.8	44.9	50.4
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: P323699
CATALOG NUMBER: GLEON-SA5D-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7776.9	7776.9	7776.9	7776.9	7776.9	7776.9	7776.9	7776.9	7776.9	7776.9	7776.9
2.5°	7715.6	7640.0	7481.3	7285.3	7135.4	6970.1	6838.7	6672.3	6600.1	6603.3	6563.9
5°	7542.6	7387.2	7035.7	6592.4	6250.8	5898.3	5595.1	5293.0	5114.5	5056.5	5001.8
7.5°	7295.2	7048.9	6488.4	5805.3	5227.3	4662.4	4170.9	3738.5	3464.8	3331.2	3282.0
10°	7016.0	6670.1	5858.9	4959.1	4133.7	3369.5	2732.4	2178.5	1957.4	1807.4	1769.1
12.5°	6770.8	6302.3	5243.7	4091.0	3111.2	2189.4	1581.9	1237.0	1087.1	1027.9	1018.1
15°	6539.8	5958.5	4651.5	3305.0	2154.4	1347.6	1006.0	888.9	853.9	844.0	844.0
17.5°	6322.0	5631.2	4072.3	2531.0	1425.3	944.7	833.1	806.8	795.9	794.8	795.9
20°	6094.3	5303.9	3503.1	1854.5	995.1	800.2	769.6	755.4	752.1	752.1	752.1
22.5°	5876.4	4976.6	2949.2	1324.6	798.0	730.2	714.9	705.0	701.7	700.6	698.4
25°	5667.4	4665.7	2408.4	936.0	700.6	668.9	655.7	642.6	632.7	627.3	624.0
27.5°	5495.5	4388.7	1904.8	751.0	632.7	605.4	589.0	569.3	545.2	534.2	529.8
30°	5358.6	4135.8	1468.0	633.8	569.3	541.9	516.7	482.8	447.7	429.1	428.0
32.5°	5251.4	3887.3	1114.4	560.5	512.3	478.4	442.3	399.6	359.1	338.3	337.2
35°	5198.8	3668.4	851.7	506.9	462.0	419.3	374.4	327.3	287.9	268.2	266.0
37.5°	5233.8	3483.4	664.5	462.0	419.3	370.0	317.5	268.2	233.2	215.7	214.6
40°	5361.9	3365.2	539.7	423.7	383.2	322.9	266.0	220.0	190.5	176.2	175.2
42.5°	5634.5	3321.4	460.9	391.9	348.1	279.2	221.1	181.7	154.4	144.5	142.3
45°	6089.9	3386.0	407.2	361.3	312.0	237.6	182.8	148.9	124.8	117.1	116.0
47.5°	6696.4	3555.6	368.9	331.7	279.2	200.3	152.2	120.4	101.8	94.1	93.1
50°	7478.0	3824.9	337.2	302.1	248.5	169.7	125.9	95.2	78.8	73.3	73.3
52.5°	8328.6	4145.7	308.7	274.8	217.8	141.2	101.8	73.3	62.4	55.8	55.8
55°	9031.4	4425.9	278.1	254.0	180.6	117.1	77.7	55.8	46.0	42.7	42.7
57.5°	9733.1	4724.8	243.0	217.8	144.5	95.2	59.1	41.6	33.9	31.7	31.7
60°	10642.8	5090.4	209.1	177.3	113.9	72.3	43.8	29.6	25.2	24.1	24.1
62.5°	11643.4	5305.0	178.4	142.3	88.7	53.6	31.7	19.7	18.6	18.6	17.5
65°	12255.4	5001.8	150.0	113.9	69.0	40.5	20.8	14.2	16.4	15.3	13.1
67.5°	11474.8	3915.8	122.6	88.7	53.6	30.7	13.1	9.9	17.5	14.2	10.9
70°	*9501.1*	*2741.2*	*95.2*	*62.4*	*42.7*	*26.3*	*8.8*	*6.6*	*18.6*	*14.2*	*8.8*
72.5°	7110.2	1834.7	75.5	41.6	31.7	23.0	7.7	3.3	16.4	12.0	7.7
75°	3885.2	738.9	60.2	26.3	19.7	16.4	5.5	2.2	10.9	8.8	5.5
77.5°	1022.5	194.9	43.8	17.5	10.9	6.6	3.3	1.1	5.5	4.4	2.2
80°	260.5	75.5	28.5	12.0	7.7	3.3	0.0	0.0	1.1	0.0	0.0
82.5°	139.0	31.7	17.5	8.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	105.1	20.8	9.9	5.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	40.5	6.6	3.3	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

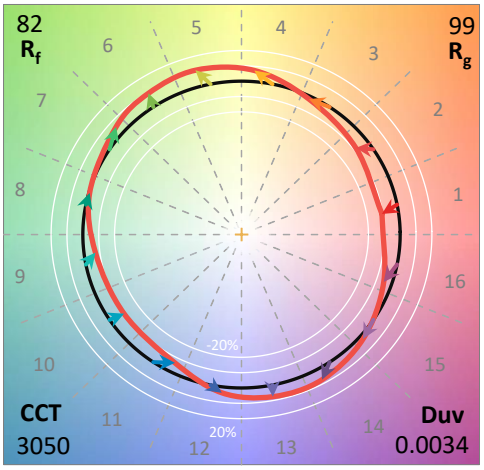
Test Information

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

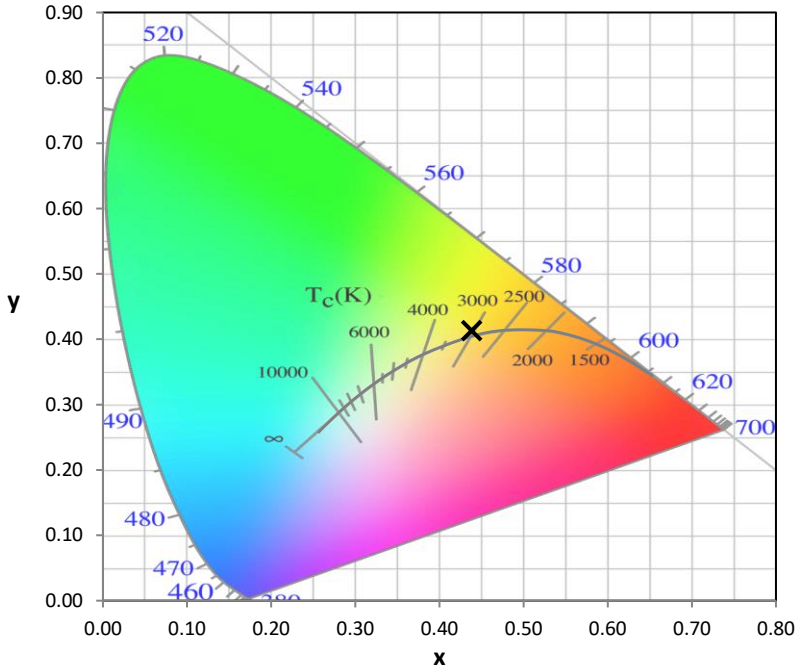
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

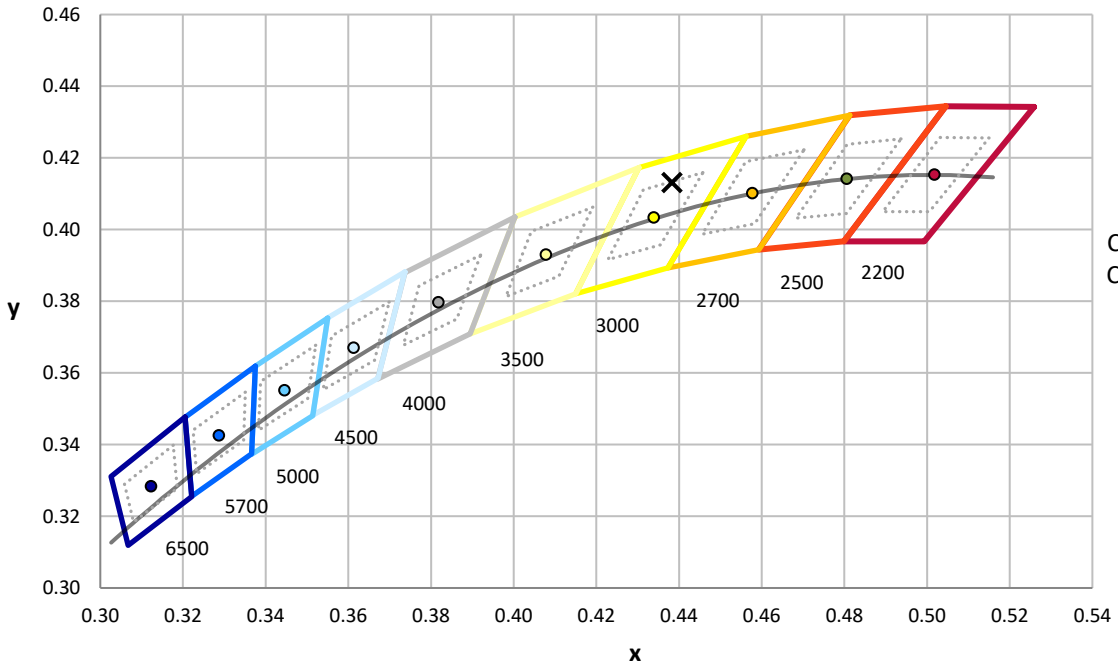
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

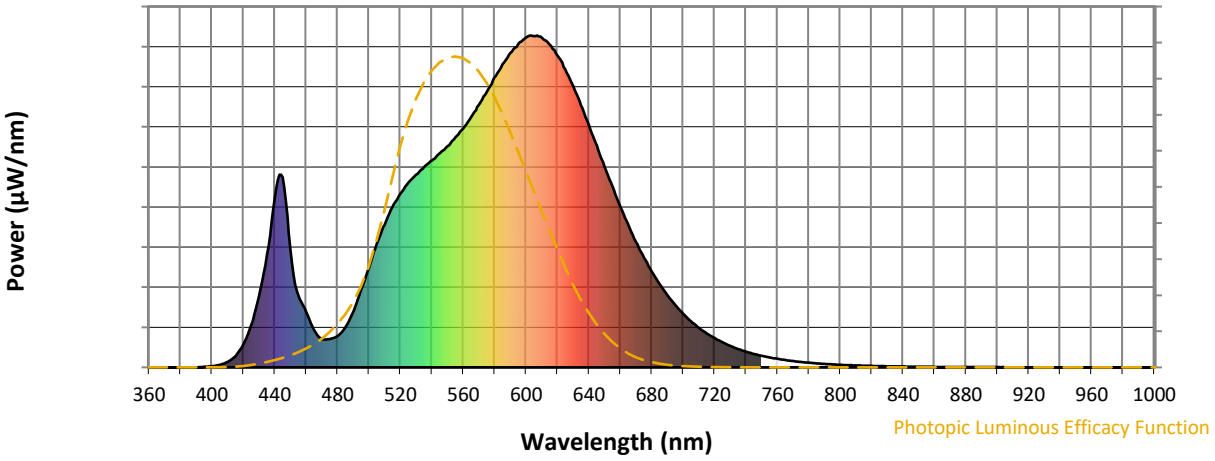


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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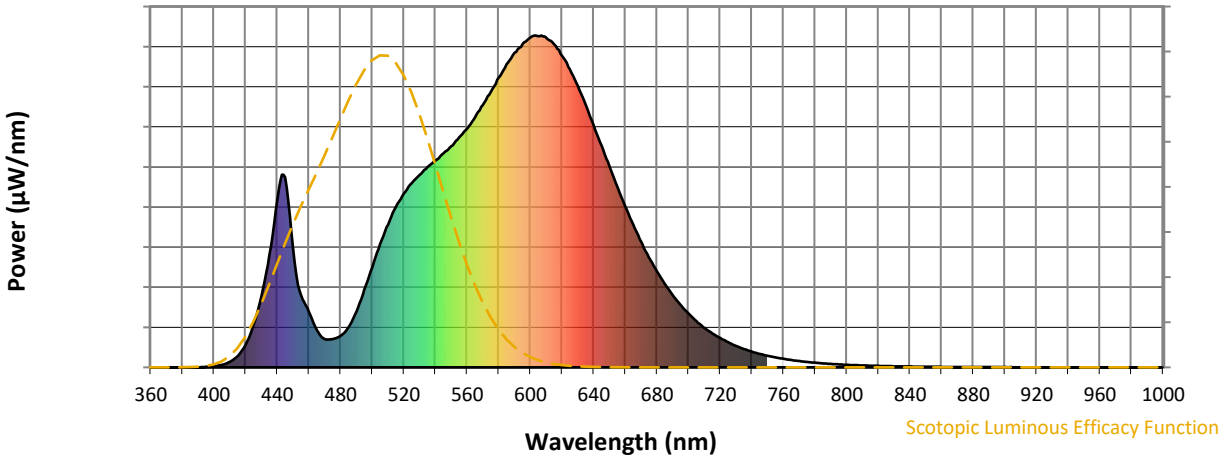
Scotopic Flux vs. Wavelength



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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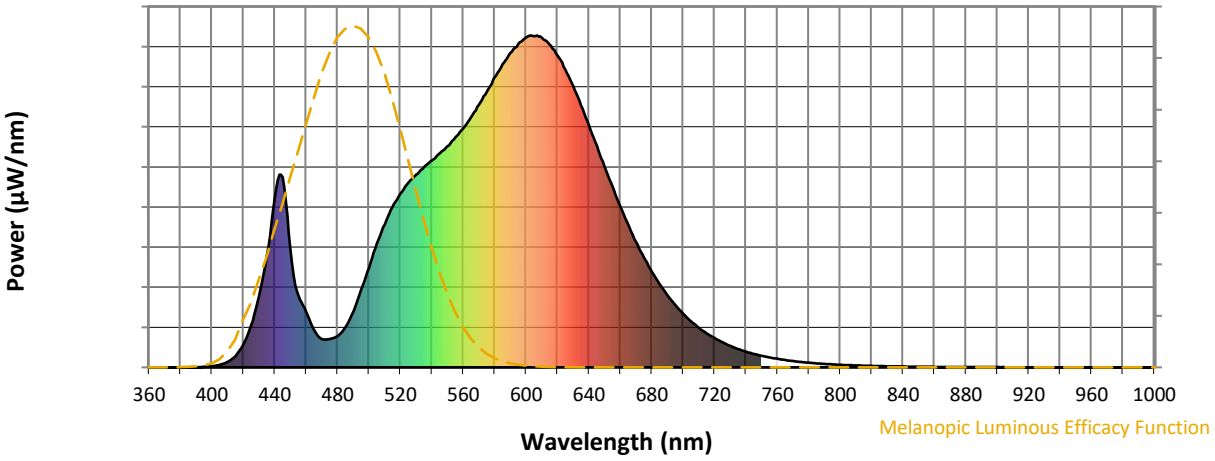
Melanopic Flux vs. Wavelength



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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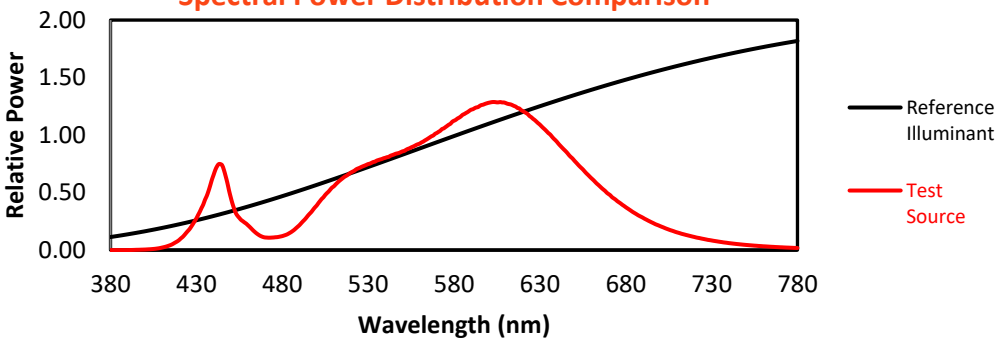
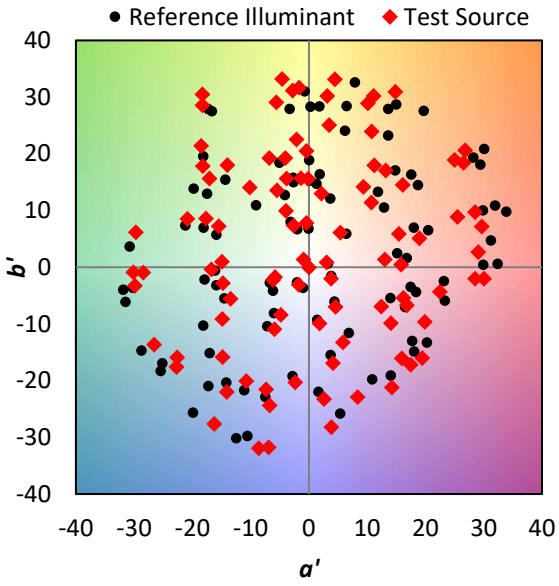
Summary

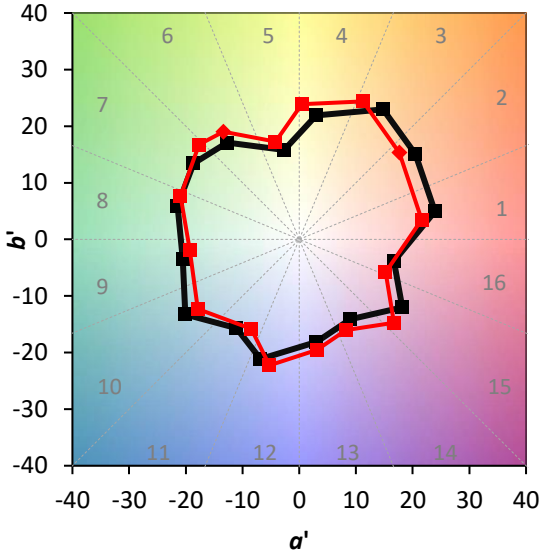
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

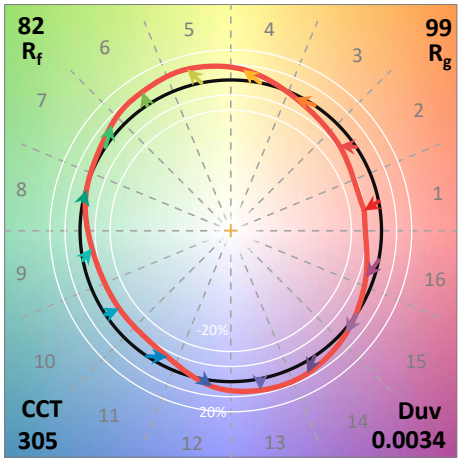
Spectral Power Distribution Comparison

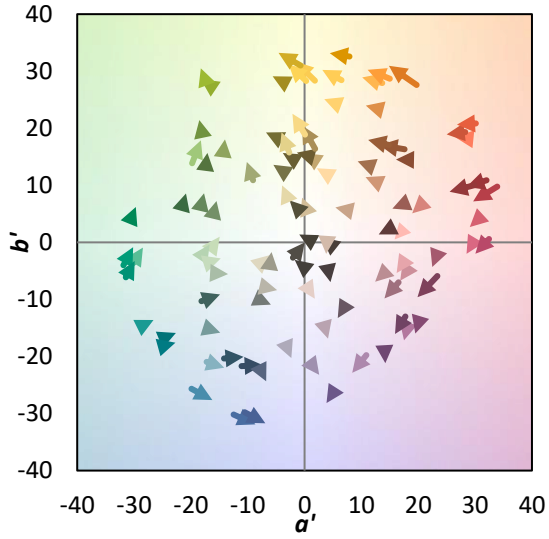


Color Vector Graphics









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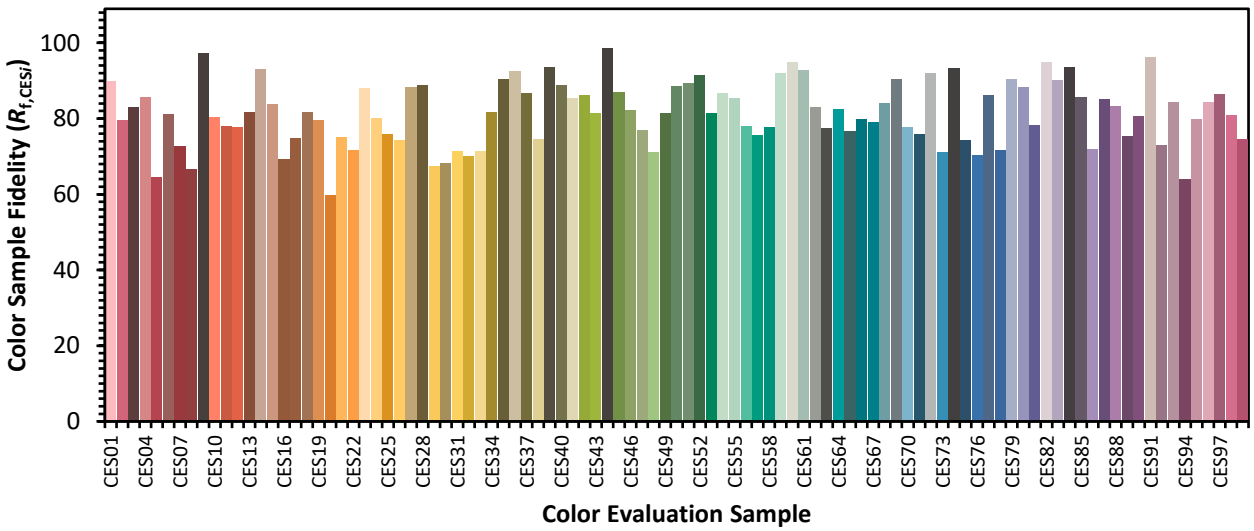
Individual Sample Fidelity Index ($R_{f,i}$)

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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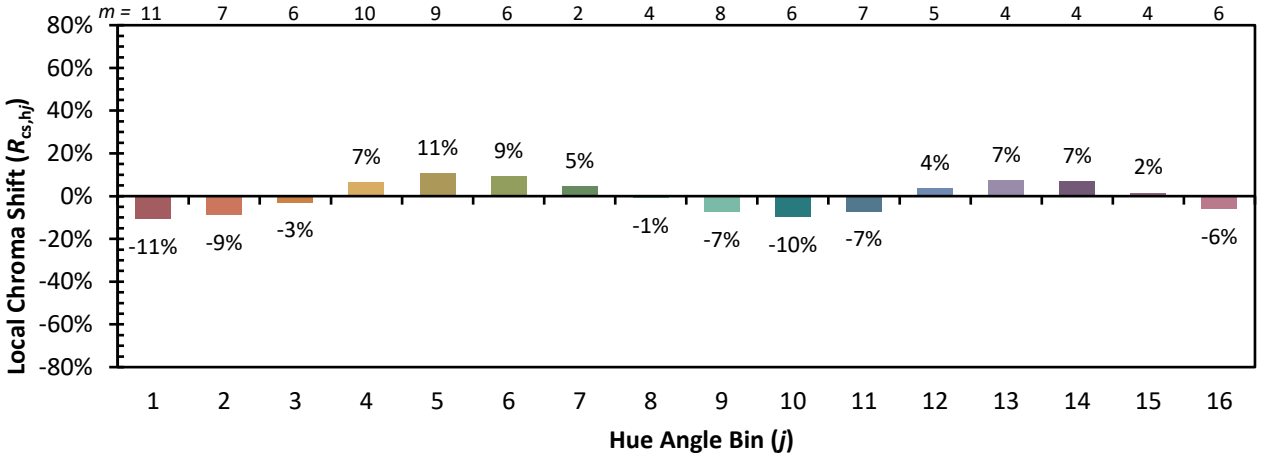
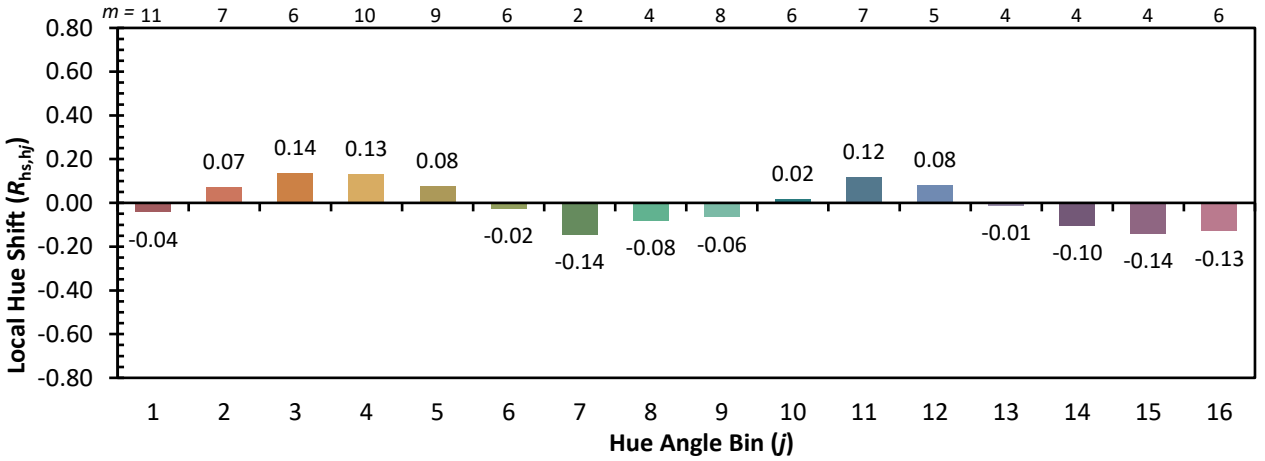
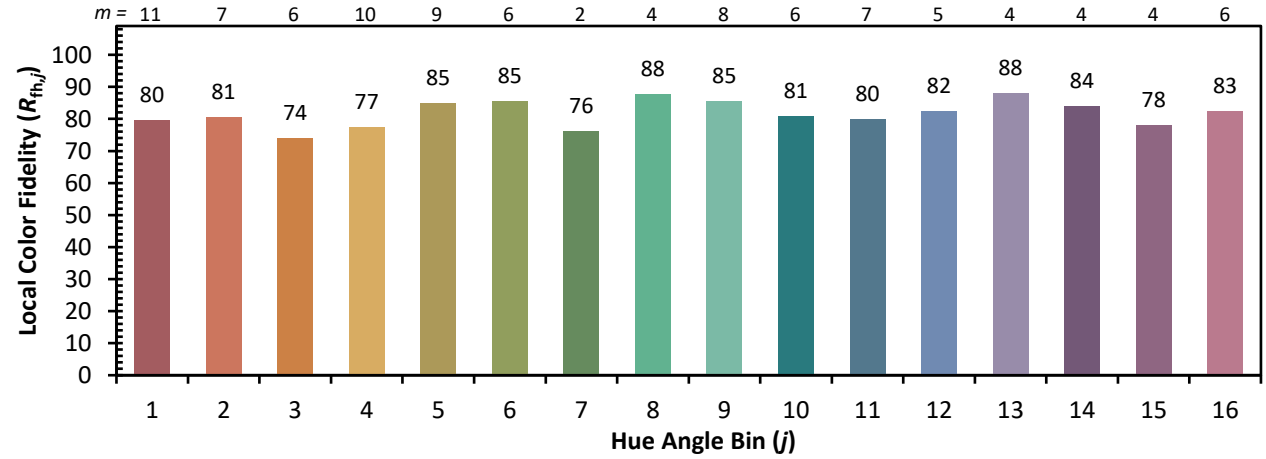
Color Rendition by Hue-Angle Bin







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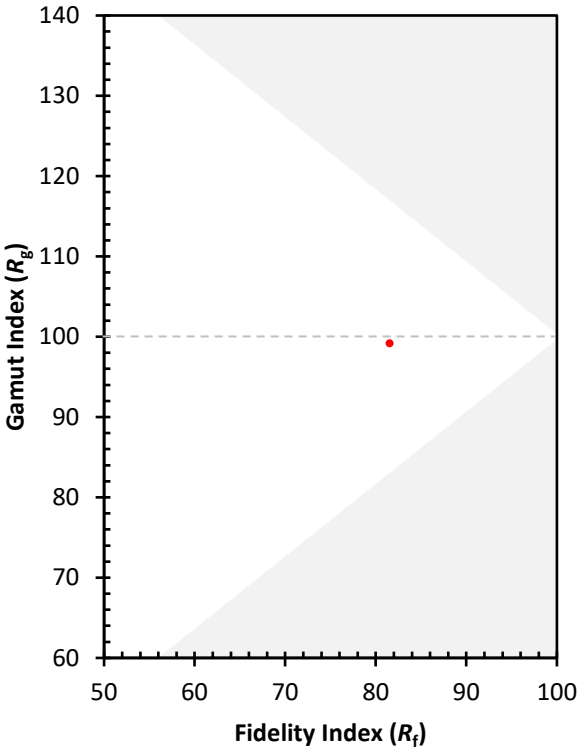
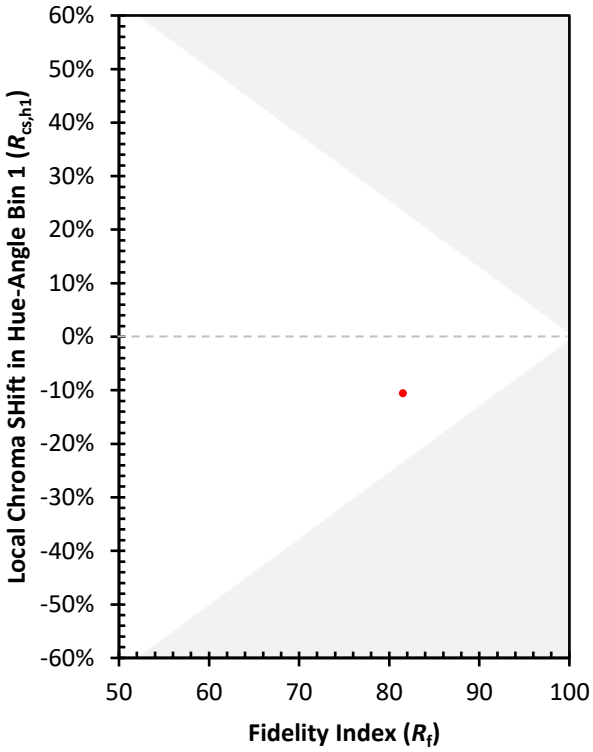
Measure Comparisons





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