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: P320181

Luminaire Tested: **GLEON-SA7D-830-U-SL4**

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:	P320181
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA7D-830-U-SL4
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	41439 lumens
Efficiency:	N/A
Efficacy:	92.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	448
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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REPORT NUMBER: P320181
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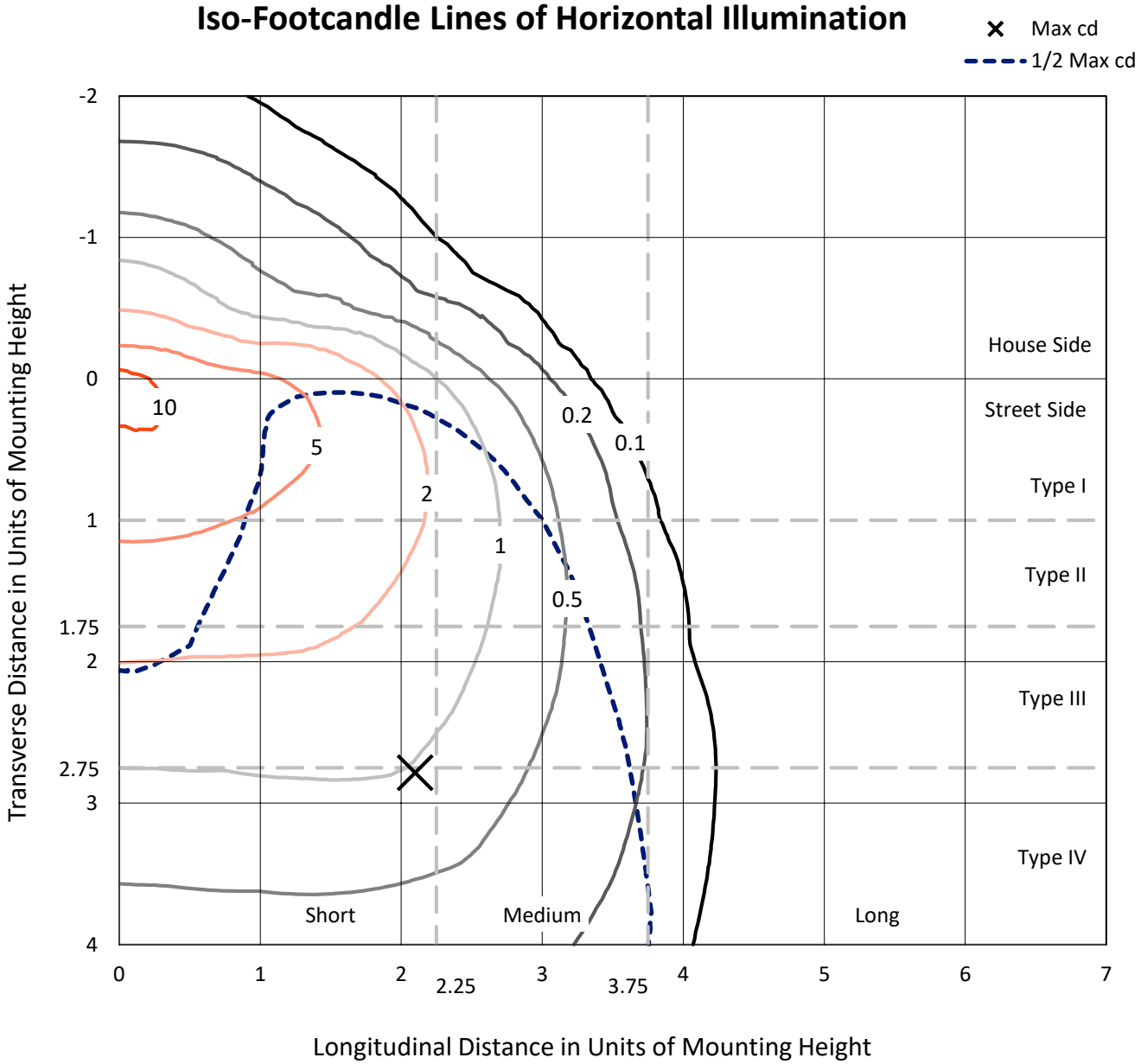
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
Type IV - Short - N/A

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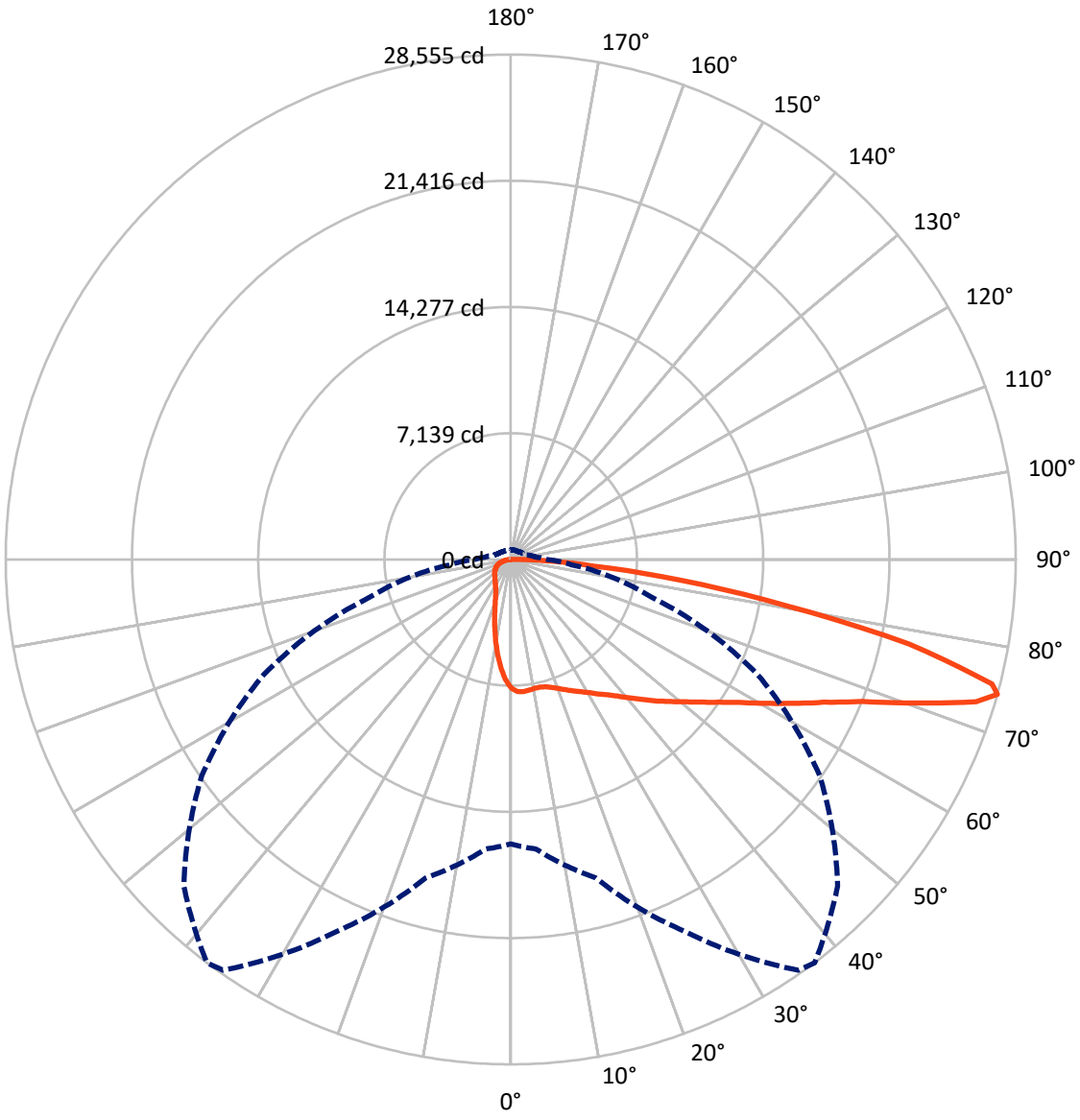
Luminous Intensity Polar Plot



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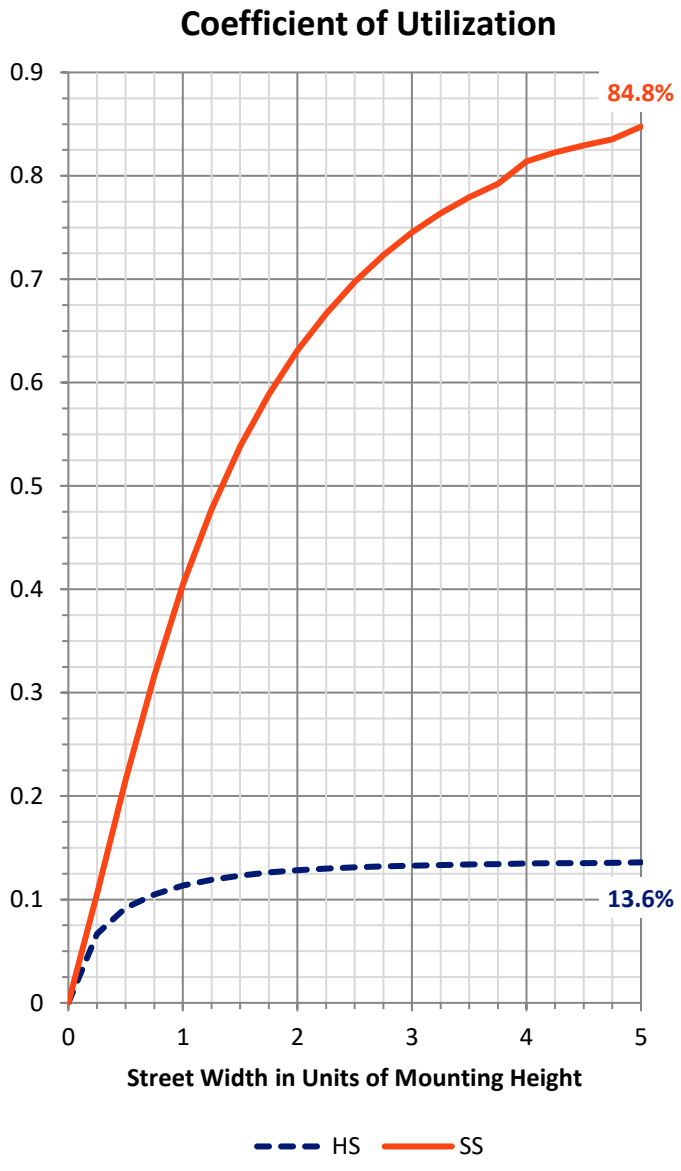
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5701.7	0.0	5701.7
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	35737.3	0.0	35737.3
	% Fixture	86.2	0.0	86.2
Total	Lumens	41439.0	0.0	41439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.0	1.6
10°-20°	1648.1	4.0
20°-30°	2539.4	6.1
30°-40°	3692.7	8.9
40°-50°	5435.0	13.1
50°-60°	7632.4	18.4
60°-70°	9660.3	23.3
70°-80°	8506.3	20.5
80°-90°	1681.9	4.1
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°	41439.0	100.0
0°-180°	41439.0	100.0



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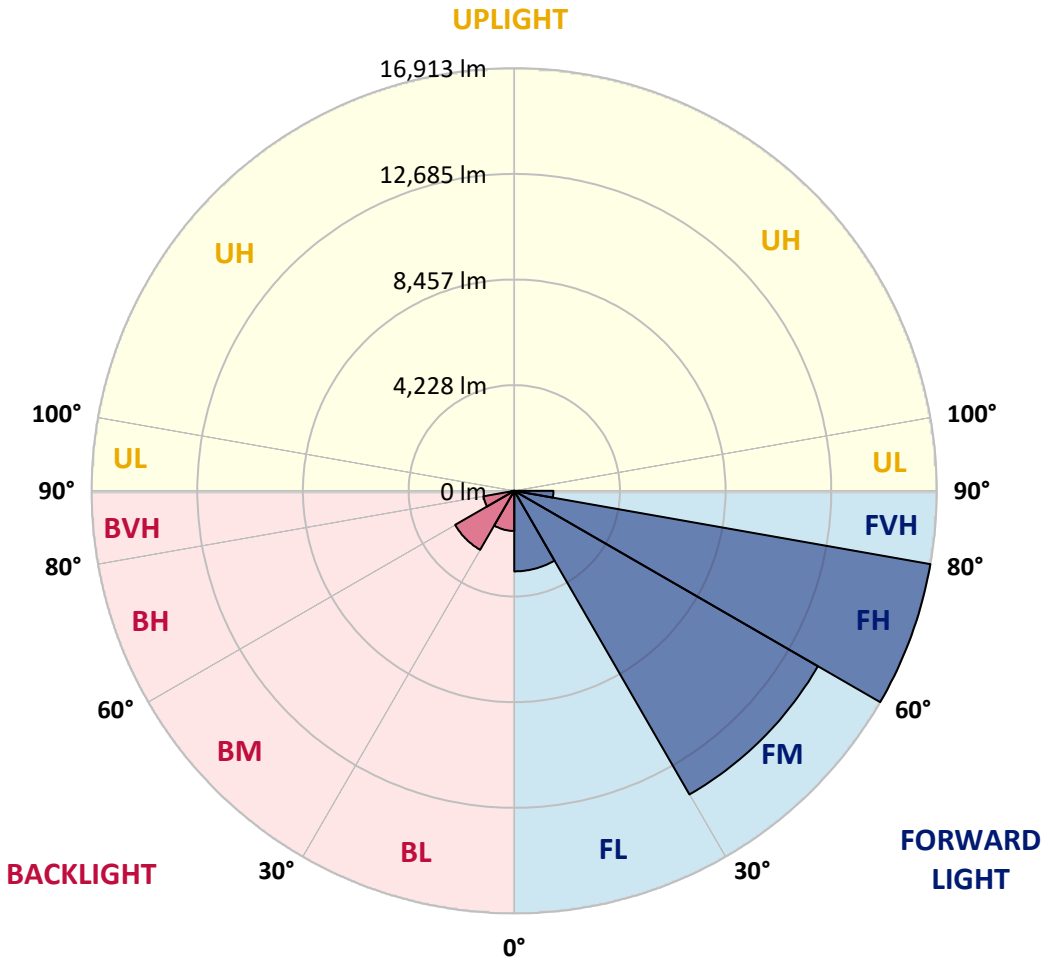
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3224.4	7.8			
FM	(30°-60°)	14031.6	33.9			
FH	(60°-80°)	16913.3	40.8			G5
FVH	(80°-90°)	1568.0	3.8			G5
BL	(0°-30°)	1606.0	3.9	B3/2500		
BM	(30°-60°)	2728.5	6.6	B3/5000		
BH	(60°-80°)	1253.3	3.0	B3/2500		G3/2500
BVH	(80°-90°)	113.9	0.3			G2/225
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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	7301.4	7301.4	7301.4	7301.4	7301.4	*7301.4*	7301.4	7301.4	7301.4	7301.4	7301.4
2.5°	7551.0	7552.5	7551.0	7539.3	7511.6	*7488.2*	7469.3	7441.5	7380.2	7333.5	7263.4
5°	7622.5	7613.8	7607.9	7586.0	7542.2	*7516.0*	7479.5	7426.9	7326.2	7232.8	7118.9
7.5°	7589.0	7578.7	7565.6	7539.3	7489.7	*7467.8*	7416.7	7348.1	7226.9	7104.3	6940.8
10°	7485.3	7482.4	7476.6	7470.7	7428.4	*7410.9*	7364.2	7291.2	7171.5	7022.6	6831.4
12.5°	7370.0	7377.3	7400.7	7431.3	7412.3	*7403.6*	7374.4	7324.7	7202.1	7041.6	6810.9
15°	7297.0	7317.4	7380.2	7460.5	7476.6	*7473.6*	7466.3	7434.2	7304.3	7126.2	6857.6
17.5°	7272.2	7305.8	7425.5	7558.3	7605.0	*7615.2*	7618.1	7562.7	7418.2	7229.9	6905.8
20°	7317.4	7359.8	7534.9	7717.4	7791.8	*7797.7*	7784.6	7688.2	7526.2	7318.9	6932.1
22.5°	7454.7	7492.6	7711.6	7917.4	8002.0	*8010.8*	7971.4	7825.4	7640.0	7424.0	6968.6
25°	7718.9	7765.6	7984.5	8190.3	8234.1	*8235.6*	8178.7	7997.7	7788.9	7571.4	7047.4
27.5°	8063.4	8110.1	8307.1	8508.6	8485.2	*8472.1*	8394.7	8213.7	7983.1	7774.3	7187.5
30°	8447.3	8498.3	8685.2	8828.2	8772.8	*8746.5*	8683.7	8450.2	8253.1	8051.7	7402.1
32.5°	8844.3	8891.0	9054.5	9152.3	9082.2	*9070.5*	8975.7	8762.5	8604.9	8475.0	7749.5
35°	9251.5	9285.1	9445.7	9501.2	9407.7	*9404.8*	9378.5	9182.9	9083.7	9145.0	8254.6
37.5°	9667.6	9676.3	9813.5	9816.4	9788.7	*9800.4*	9828.1	9705.5	9733.2	9924.5	8911.4
40°	10038.3	10061.7	10160.9	10191.6	10239.8	*10280.6*	10419.3	10339.0	10553.6	10892.2	9728.9
42.5°	10312.7	10358.0	10517.1	10595.9	10752.1	*10816.3*	11011.9	11086.4	11518.4	12026.4	10701.0
45°	10544.8	10614.9	10870.3	11032.4	11296.6	*11409.0*	11689.2	11938.8	12608.8	13256.9	11724.3
47.5°	10795.9	10884.9	11204.6	11514.1	11873.2	*12000.1*	12509.6	12883.3	13772.2	14494.8	12689.1
50°	11165.2	11233.8	11546.2	12032.3	12480.4	*12643.9*	13348.9	13884.6	14954.6	15674.2	13525.5
52.5°	11680.5	11654.2	11918.4	12600.1	13201.5	*13402.9*	14245.2	14950.2	16153.0	16741.2	14232.0
55°	12198.7	12154.9	12340.3	13194.2	14042.3	*14253.9*	15231.9	16020.1	17293.0	17701.7	14773.6
57.5°	12775.2	12692.0	12848.2	13864.2	14999.8	*15252.3*	16336.9	17157.2	18414.0	18478.3	15118.1
60°	13369.3	13256.9	13432.1	14694.7	16215.7	*16513.5*	17630.2	18266.6	19470.9	19100.1	15229.0
62.5°	13889.0	13810.2	14080.2	15621.6	17586.4	*17913.4*	18900.1	19446.0	20513.1	19358.5	14829.0
65°	14343.0	14356.1	14823.2	16663.9	19114.7	*19463.6*	20356.9	20899.9	21333.4	19205.2	13893.4
67.5°	14884.5	14958.9	15755.9	18036.0	21038.6	*21421.0*	22476.4	22485.1	21791.8	18306.0	12051.2
70°	15674.2	15827.5	17039.0	19939.4	23774.0	*24299.5*	25114.0	23416.4	21148.1	15868.3	9482.2
72.5°	16374.9	16661.0	18403.8	22117.3	27108.0	*27506.5*	26656.9	22879.2	18457.8	11892.1	5907.4
74°	*16090.2*	*16444.9*	*18652.0*	*23190.2*	*28363.3*	*28554.5*	*26135.8*	*21311.5*	*15389.6*	*8235.6*	*3433.2*
75°	15477.1	15862.5	18290.0	23179.9	28204.2	*28097.7*	24877.6	19520.5	12674.5	5616.9	2284.4
77.5°	12490.6	12897.9	15411.5	19866.4	23125.9	*23025.2*	19110.3	13094.9	5551.2	1842.1	1160.5
80°	7262.0	7572.9	9566.8	12616.1	15593.9	*15776.4*	12568.0	6479.6	2183.7	1034.9	786.8
82.5°	3225.9	3440.5	4621.4	6440.2	9410.6	*9645.7*	6581.8	3395.2	1348.8	629.1	472.9
85°	2116.6	2275.7	2805.5	3066.8	4481.3	*4641.8*	3221.5	2643.5	890.4	345.9	347.4
87.5°	1522.5	1675.7	2084.4	1820.2	2056.7	*1947.2*	1753.1	2446.4	357.6	197.1	116.8
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: P320181
CATALOG NUMBER: GLEON-SA7D-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7301.4	7301.4	7301.4	7301.4	7301.4	7301.4	7301.4	7301.4	7301.4	7301.4	7301.4
2.5°	7232.8	7209.4	7156.9	7057.6	7002.2	6955.4	6878.1	6832.8	6812.4	6810.9	6819.7
5°	7053.2	6999.2	6863.5	6697.1	6564.2	6443.1	6292.7	6202.2	6138.0	6100.1	6110.3
7.5°	6844.5	6759.8	6546.7	6281.1	6067.9	5832.9	5600.8	5462.2	5354.2	5273.9	5288.5
10°	6701.5	6584.7	6273.8	5891.3	5536.6	5195.1	4875.4	4684.2	4532.4	4415.6	4424.3
12.5°	6653.3	6495.6	6065.0	5554.1	5056.4	4589.3	4171.8	3878.4	3722.2	3589.4	3599.6
15°	6660.6	6448.9	5889.9	5250.5	4624.3	4036.1	3529.5	3186.5	2974.9	2882.9	2884.4
17.5°	6666.4	6394.9	5705.9	4925.0	4196.6	3519.3	2969.0	2621.6	2421.6	2337.0	2338.4
20°	6647.4	6307.3	5478.2	4551.3	3750.0	3044.9	2512.1	2217.3	2065.5	1999.8	1999.8
22.5°	6622.6	6203.7	5221.3	4176.2	3309.1	2633.3	2185.2	1960.4	1872.8	1829.0	1827.5
25°	6634.3	6126.3	4958.6	3790.8	2903.3	2304.9	1967.7	1818.8	1760.4	1732.7	1731.2
27.5°	6697.1	6089.8	4716.3	3406.9	2548.6	2058.2	1821.7	1716.6	1678.6	1661.1	1661.1
30°	6810.9	6089.8	4463.7	3080.0	2253.8	1875.7	1709.3	1637.8	1611.5	1599.8	1599.8
32.5°	7009.5	6123.4	4220.0	2755.9	2018.8	1732.7	1615.9	1567.7	1547.3	1541.4	1541.4
35°	7351.0	6237.3	3982.0	2449.4	1829.0	1615.9	1526.8	1499.1	1484.5	1483.0	1487.4
37.5°	7831.3	6469.4	3758.7	2223.1	1694.7	1521.0	1452.4	1430.5	1421.7	1429.0	1434.9
40°	8435.6	6784.7	3555.8	2018.8	1592.5	1445.1	1383.8	1369.2	1364.8	1375.0	1383.8
42.5°	9165.4	7210.9	3389.4	1871.3	1513.7	1380.9	1325.4	1307.9	1303.5	1315.2	1326.9
45°	9955.1	7669.2	3272.6	1761.9	1452.4	1332.7	1274.3	1255.3	1246.6	1252.4	1265.6
47.5°	10673.3	8102.8	3225.9	1684.5	1394.0	1291.8	1229.1	1205.7	1191.1	1188.2	1198.4
50°	11279.1	8425.4	3247.8	1637.8	1347.3	1246.6	1185.3	1159.0	1137.1	1124.0	1131.3
52.5°	11719.9	8628.3	3268.3	1617.3	1310.8	1196.9	1137.1	1112.3	1083.1	1061.2	1061.2
55°	12039.6	8675.0	3223.0	1601.3	1283.1	1142.9	1083.1	1059.7	1030.5	1005.7	1002.8
57.5°	12165.1	8543.6	3055.1	1577.9	1264.1	1091.9	1026.2	1008.6	983.8	954.6	953.2
60°	11995.8	8137.8	2731.1	1528.3	1239.3	1049.5	969.2	957.6	945.9	918.1	916.7
62.5°	11315.6	7247.4	2312.2	1427.6	1189.7	1004.3	916.7	922.5	924.0	905.0	902.1
65°	10082.1	6024.2	1903.4	1296.2	1115.2	950.3	862.7	890.4	906.5	903.6	899.2
67.5°	8289.6	4688.5	1613.0	1157.5	1017.4	875.8	804.3	836.4	849.5	859.8	856.8
70°	6152.6	3306.2	1334.2	1011.6	899.2	788.2	728.4	744.4	735.7	747.4	751.7
72.5°	3430.3	1983.7	1087.5	865.6	776.6	686.1	643.7	640.8	621.8	621.8	621.8
74°	*2058.2*	*1455.3*	*956.1*	*775.1*	*702.1*	*618.9*	*582.4*	*569.3*	*551.8*	*553.2*	*551.8*
75°	1655.3	1251.0	877.3	715.3	649.6	579.5	543.0	525.5	512.4	512.4	510.9
77.5°	1045.1	950.3	706.5	569.3	519.7	477.3	452.5	429.2	429.2	427.7	426.2
80°	789.7	756.1	550.3	430.6	398.5	366.4	350.3	340.1	340.1	344.5	343.0
82.5°	541.5	569.3	386.8	300.7	284.6	261.3	258.4	259.8	255.4	249.6	248.1
85°	395.6	427.7	261.3	189.8	173.7	159.1	170.8	176.6	169.3	156.2	150.3
87.5°	151.8	280.3	140.1	78.8	73.0	62.8	73.0	75.9	81.7	64.2	65.7
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

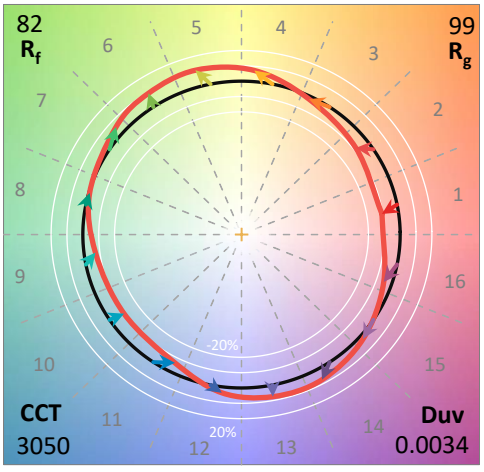
Test Information

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

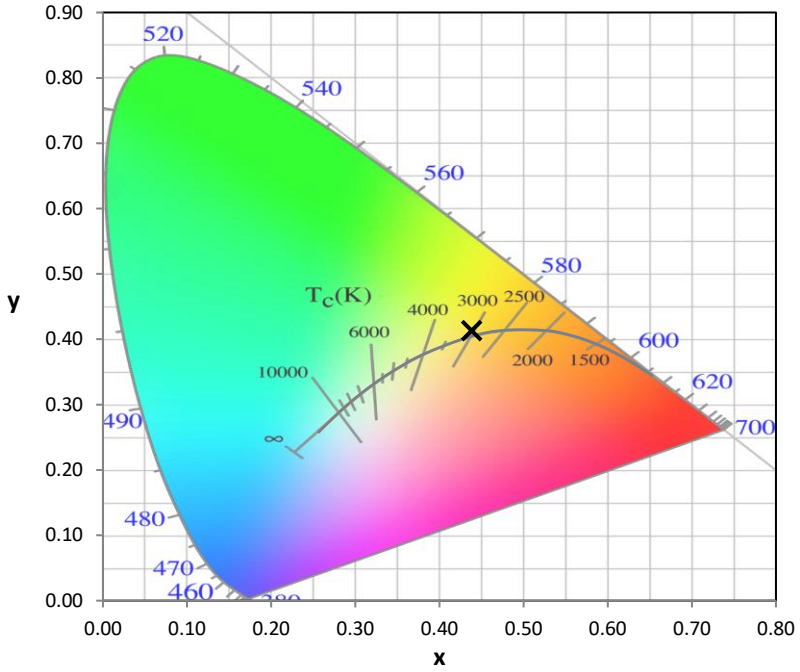
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

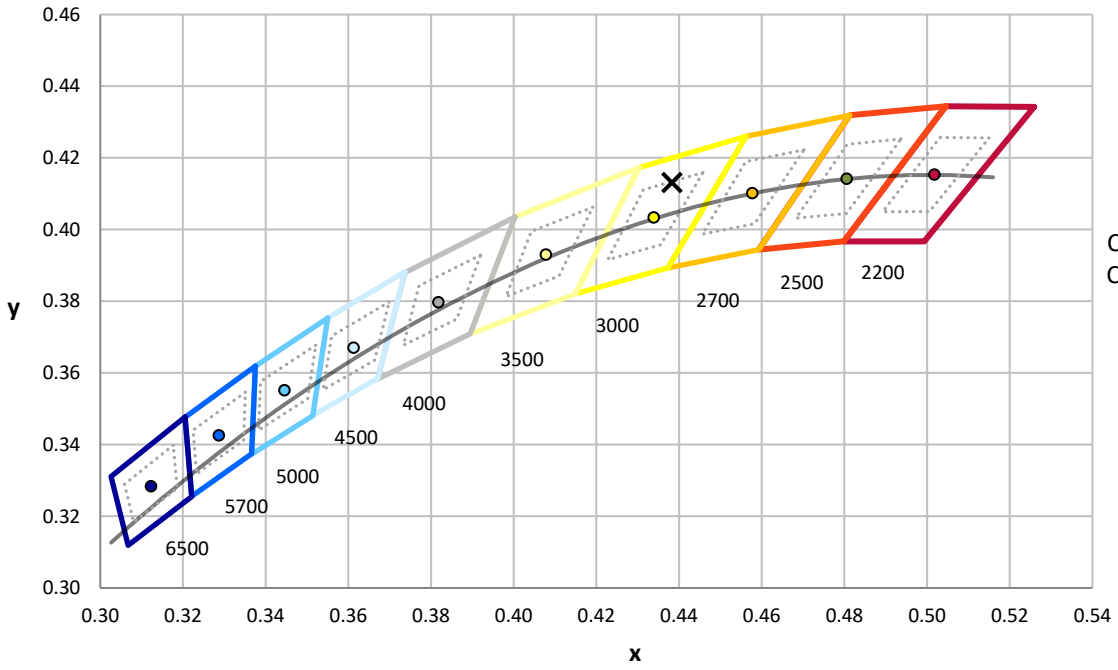
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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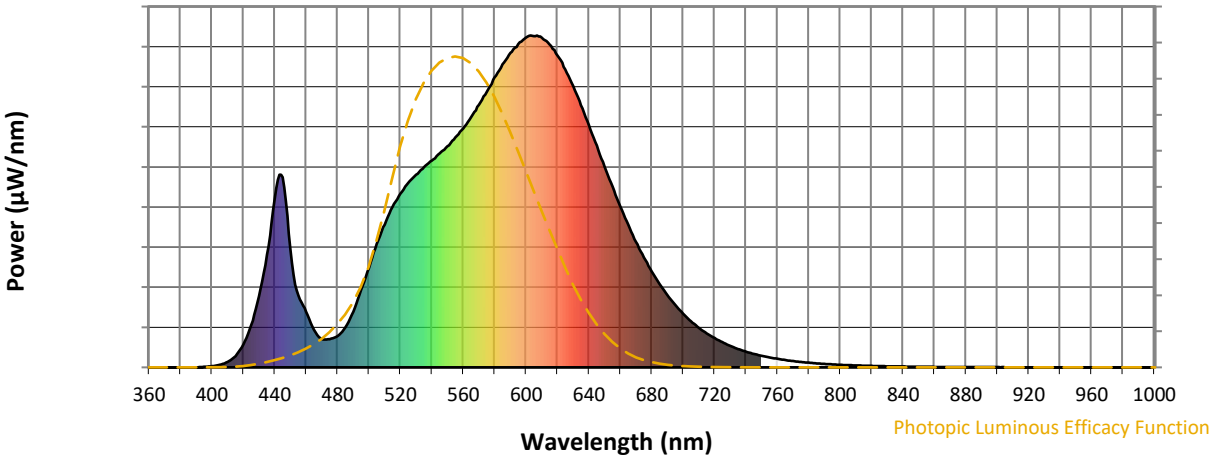
Photopic Flux vs. Wavelength



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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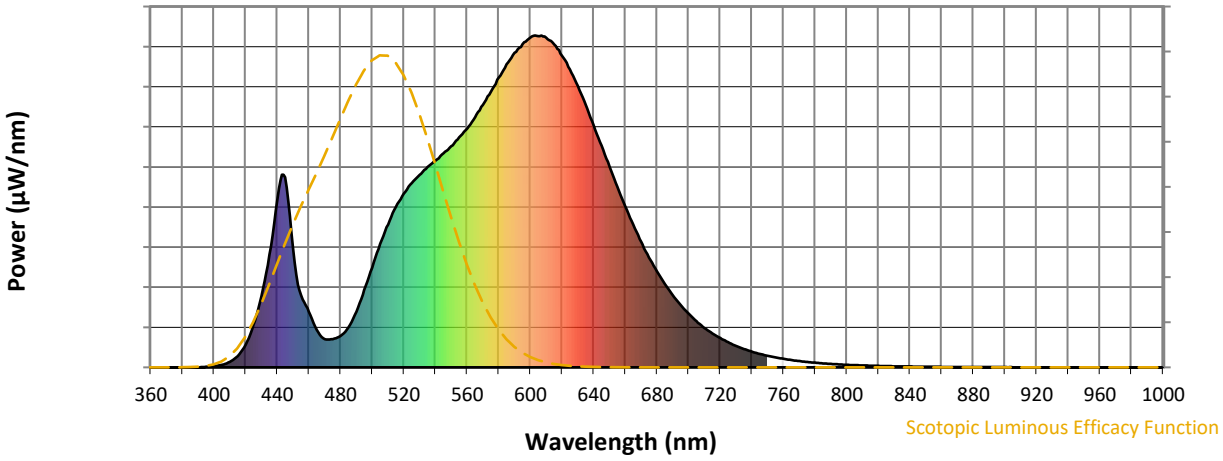
Scotopic Flux vs. Wavelength



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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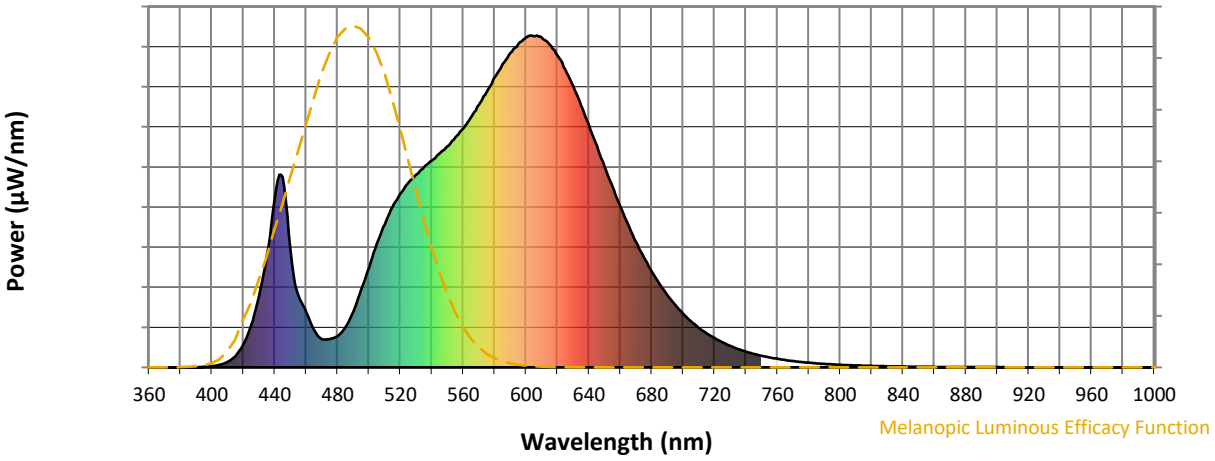
Melanopic Flux vs. Wavelength



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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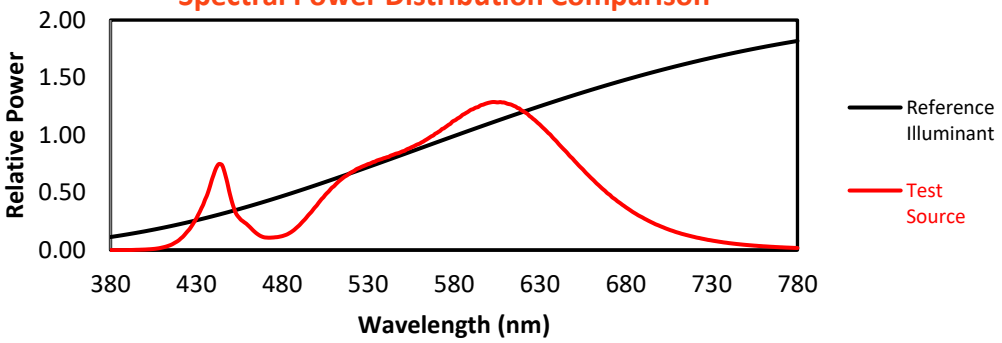
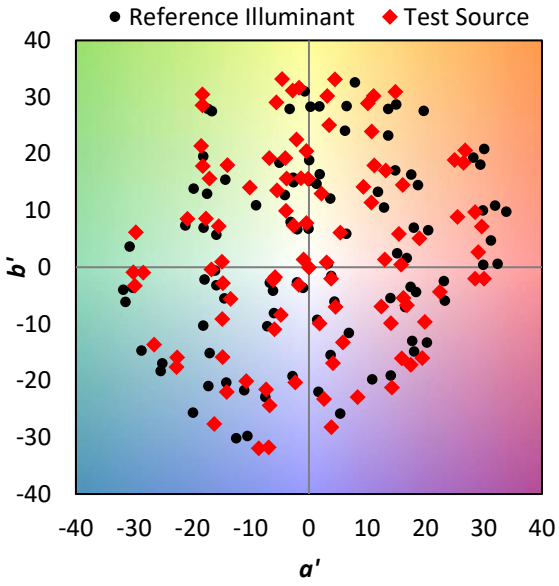
Summary

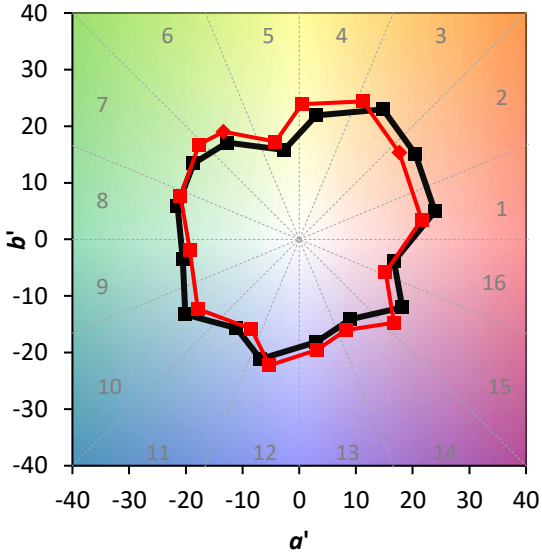
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

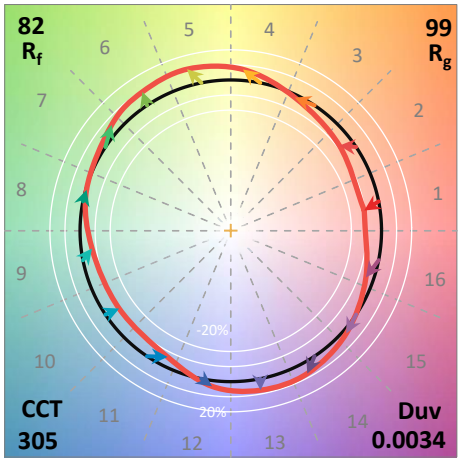
Spectral Power Distribution Comparison

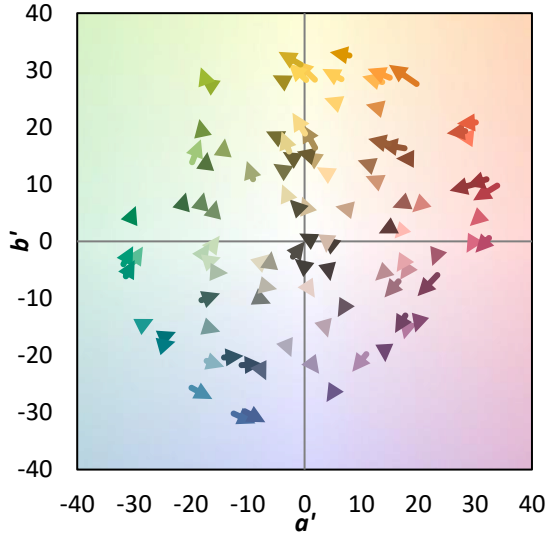


Color Vector Graphics









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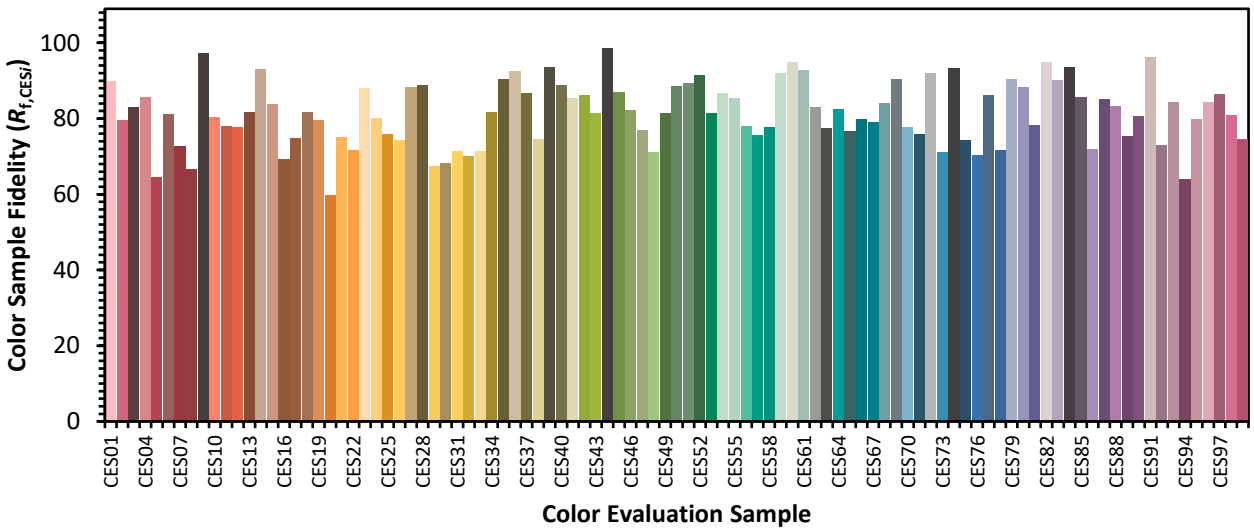
Individual Sample Fidelity Index ($R_{f,i}$)

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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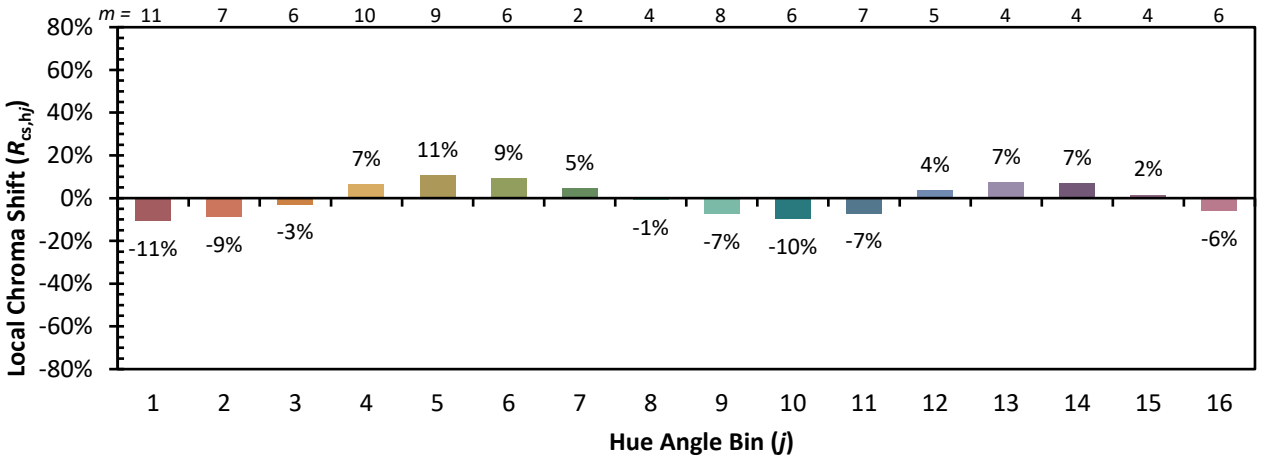
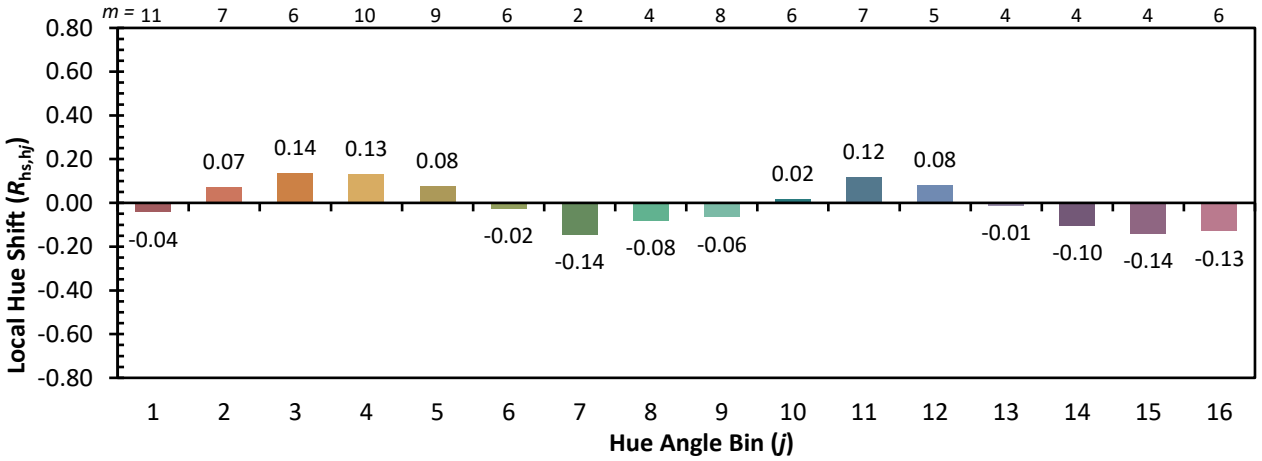
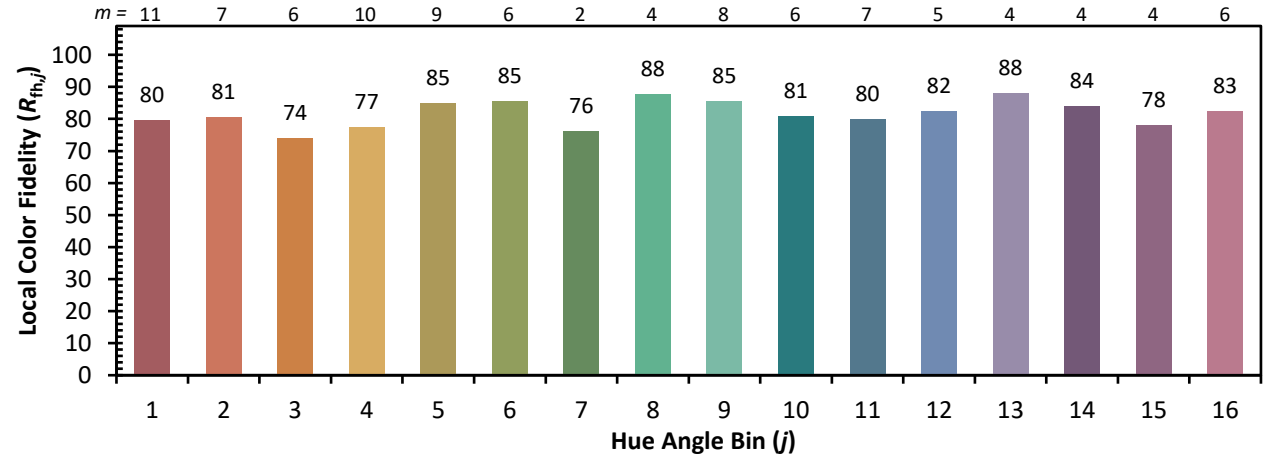
Color Rendition by Hue-Angle Bin







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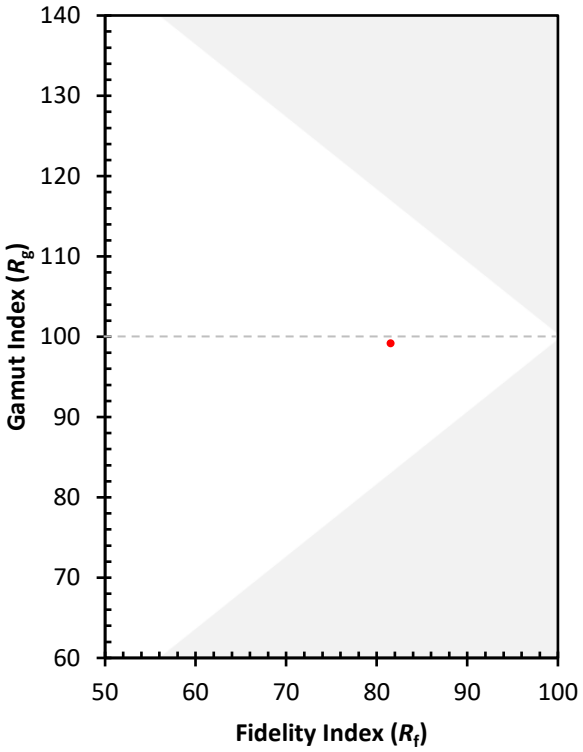
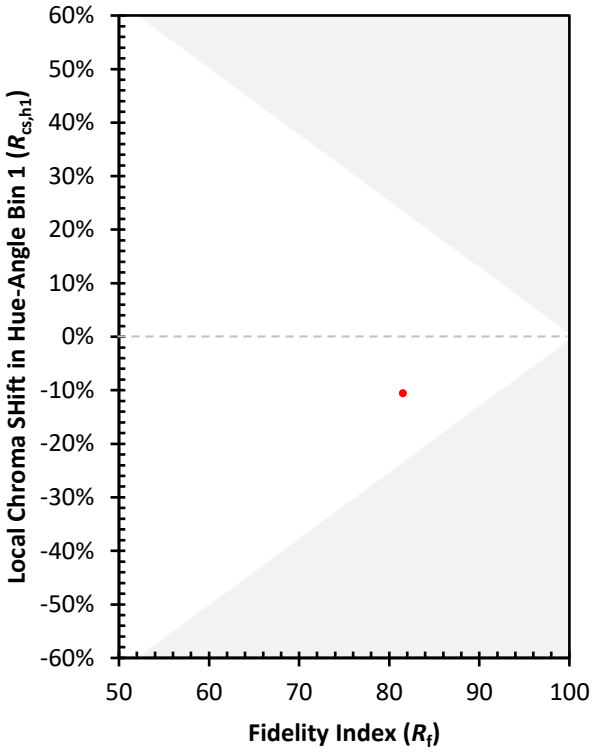
Measure Comparisons





(END OF REPORT)