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: P317607

Luminaire Tested: **GLEON-SA3C-830-U-T2R**

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:	P317607
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3C-830-U-T2R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17877 lumens
Efficiency:	N/A
Efficacy:	107.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	166
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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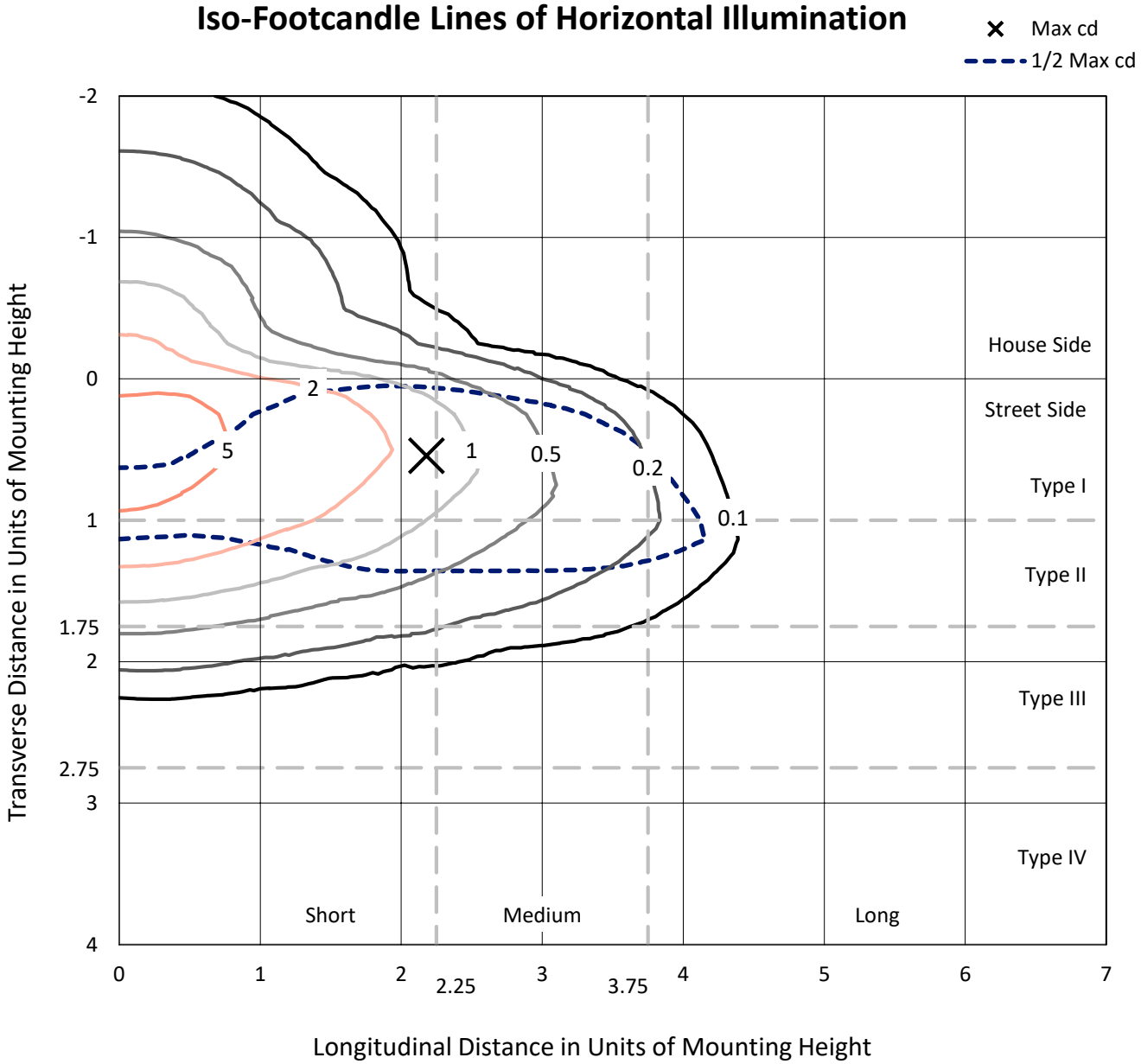
Scaled Data Report

REPORT NUMBER: P317607
CATALOG NUMBER: GLEON-SA3C-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type II - Short - N/A

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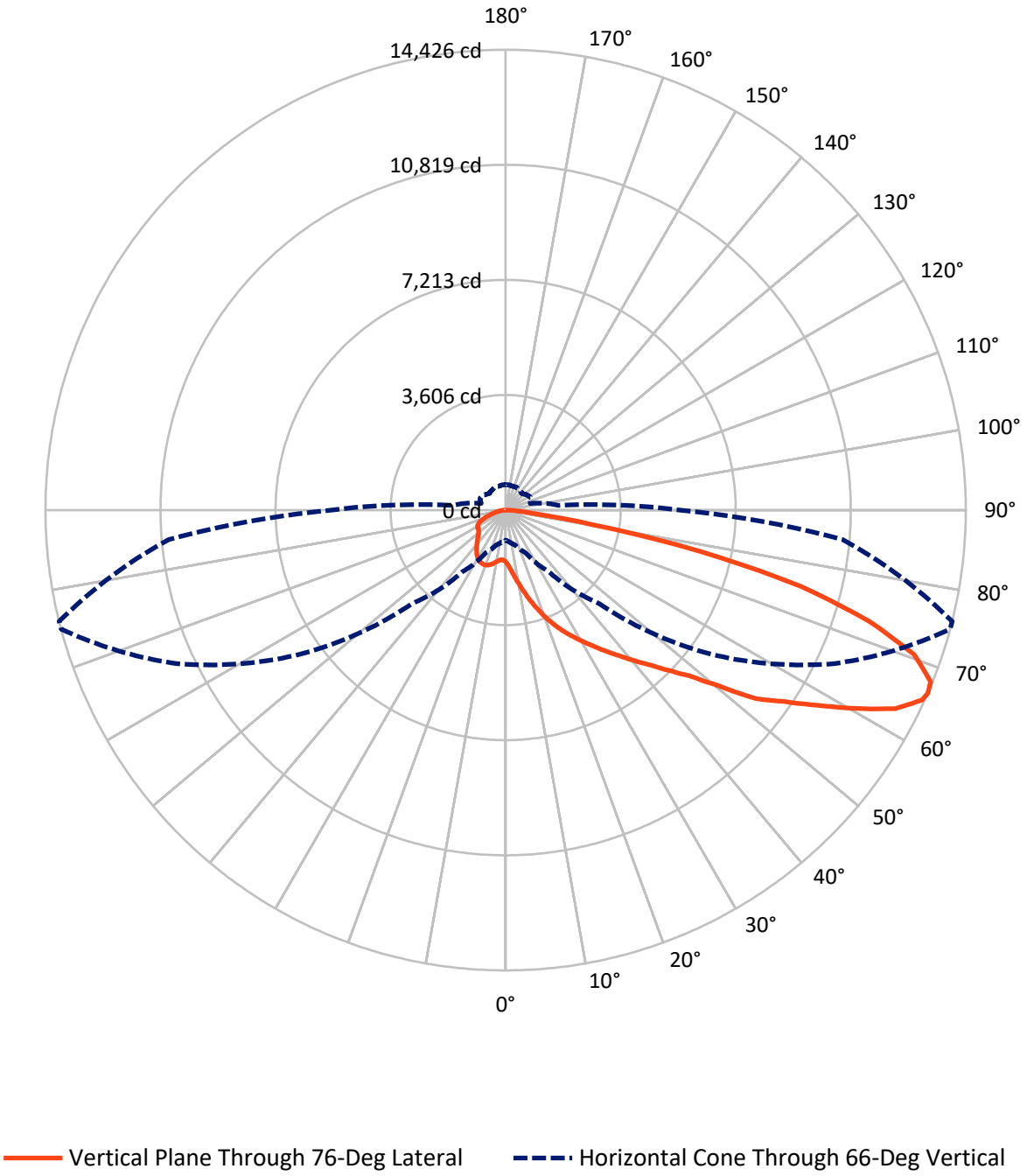
Luminous Intensity Polar Plot



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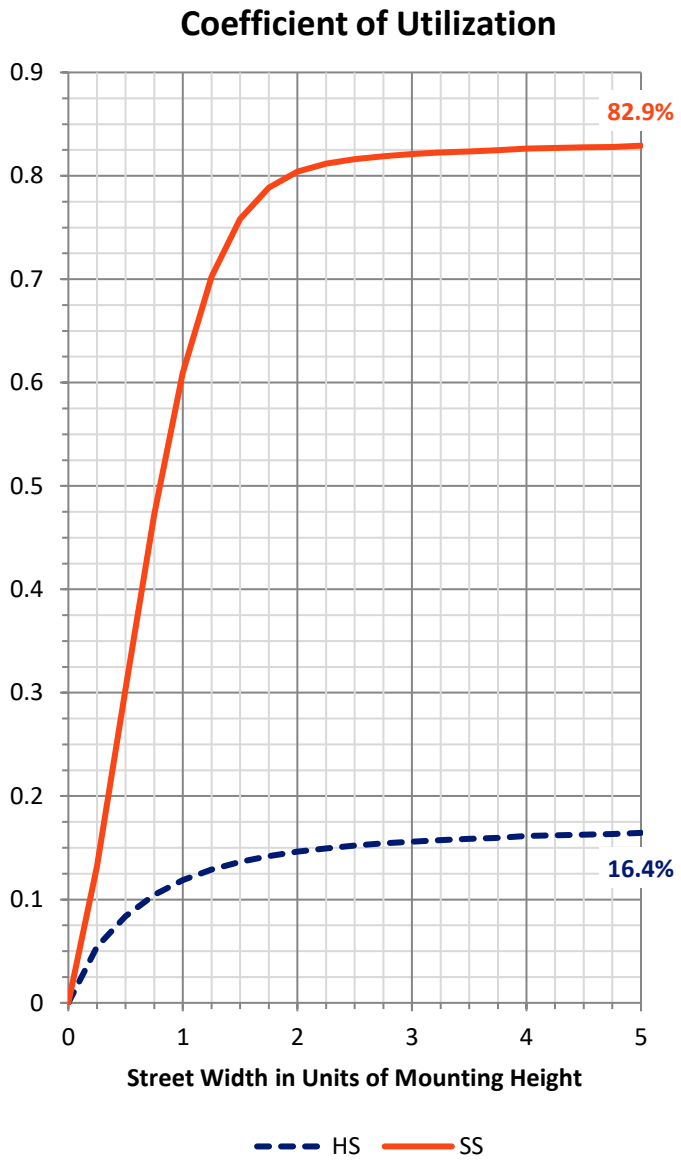
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3008.1	0.0	3008.1
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	14868.9	0.0	14868.9
	% Fixture	83.2	0.0	83.2
Total	Lumens	17877.0	0.0	17877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	1.1
10°-20°	779.6	4.4
20°-30°	1515.0	8.5
30°-40°	2472.8	13.8
40°-50°	3378.4	18.9
50°-60°	3935.1	22.0
60°-70°	3527.9	19.7
70°-80°	1782.9	10.0
80°-90°	287.9	1.6
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°	17877.0	100.0
0°-180°	17877.0	100.0



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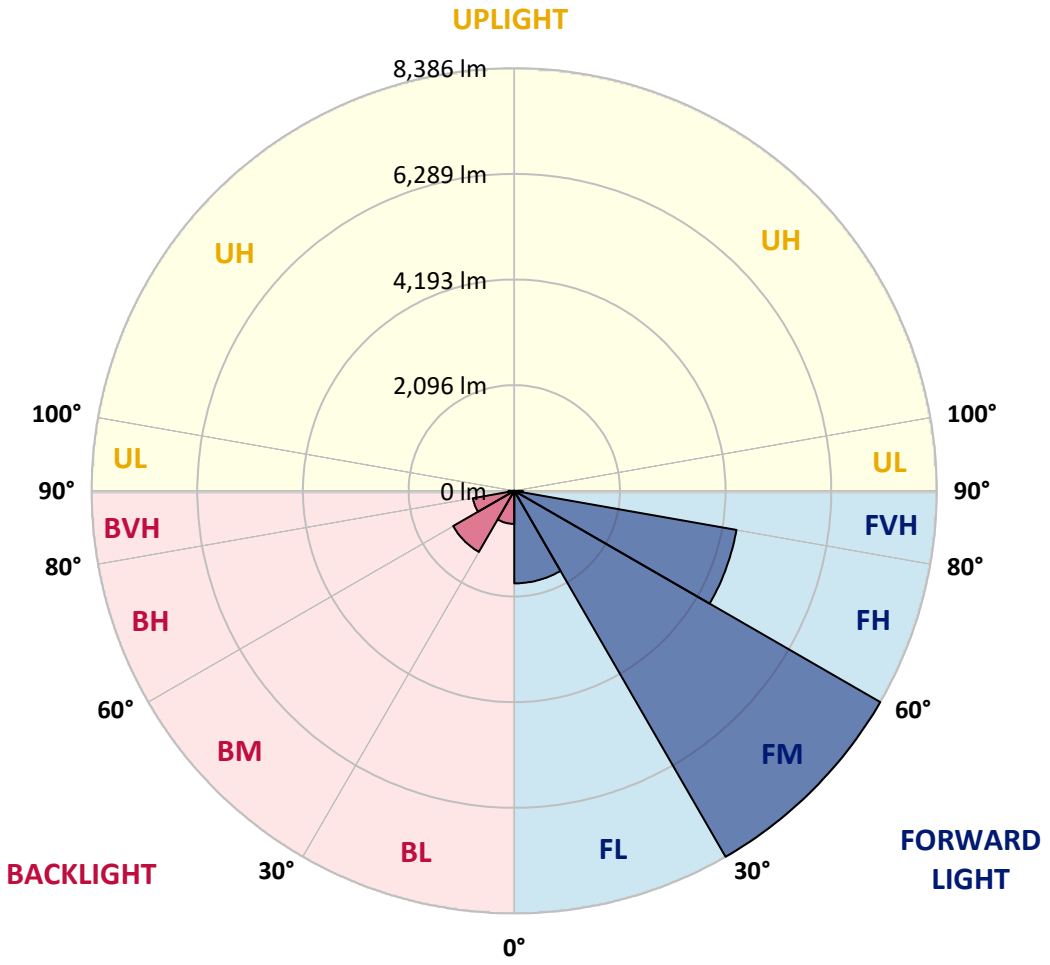
REPORT NUMBER: P317607
CATALOG NUMBER: GLEON-SA3C-830-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1835.9	10.3			
FM	(30°-60°)	8385.6	46.9			
FH	(60°-80°)	4477.4	25.0			G2/5000
FVH	(80°-90°)	170.0	1.0			G2/225
BL	(0°-30°)	656.1	3.7	B2/1000		
BM	(30°-60°)	1400.8	7.8	B2/2500		
BH	(60°-80°)	833.4	4.7	B2/1000		G2/1000
BVH	(80°-90°)	117.9	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P317607
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1632.6	1632.6	1632.6	1632.6	1632.6	1632.6	1632.6	1632.6	1632.6	*1632.6*	1632.6
2.5°	2167.3	2134.5	2131.4	2083.5	2072.6	1980.9	1913.6	1843.2	1763.1	*1747.3*	1684.2
5°	2783.9	2780.8	2739.0	2660.7	2599.4	2442.8	2288.0	2124.2	1944.5	*1915.4*	1773.4
7.5°	3338.6	3333.7	3301.6	3217.2	3128.6	2936.2	2715.3	2464.0	2172.7	*2129.6*	1894.1
10°	3759.8	3758.0	3747.0	3685.1	3609.9	3425.4	3181.4	2838.5	2437.9	*2379.1*	2045.3
12.5°	4085.1	4088.7	4096.0	4074.2	4038.3	3881.2	3631.1	3235.4	2720.8	*2662.5*	2213.4
15°	4305.4	4316.3	4353.9	4384.9	4403.7	4307.2	4065.0	3641.4	3037.6	*2967.8*	2399.7
17.5°	4416.4	4428.6	4493.5	4587.0	4673.2	4663.5	4471.1	4028.6	3341.6	*3274.3*	2600.0
20°	4512.3	4521.4	4594.3	4706.5	4858.9	4926.2	4818.2	4401.3	3674.8	*3594.7*	2812.4
22.5°	4790.3	4801.8	4823.7	4887.4	5022.1	5145.9	5093.8	4753.9	3980.1	*3905.4*	3013.9
25°	5326.8	5340.8	5293.4	5239.4	5264.9	5351.1	5360.8	5075.5	4289.6	*4205.2*	3230.6
27.5°	5973.2	5993.2	5912.5	5773.5	5652.1	5618.7	5607.2	5338.9	4585.2	*4487.5*	3444.8
30°	6606.2	6640.7	6535.8	6355.5	6132.8	5976.2	5860.3	5596.9	4876.5	*4783.0*	3646.9
32.5°	7224.6	7210.6	7058.3	6882.3	6621.3	6425.3	6144.9	5873.6	5204.2	*5096.8*	3847.8
35°	7648.2	7653.1	7511.7	7302.9	7054.1	6903.5	6526.0	6172.2	5538.6	*5439.7*	4076.0
37.5°	8008.7	7986.3	7826.0	7631.2	7417.0	7352.6	6972.1	6501.2	5900.9	*5792.9*	4318.7
40°	8128.9	8102.8	7997.8	7857.6	7685.8	7680.4	7464.3	6873.8	6310.6	*6203.8*	4592.4
42.5°	8056.1	8022.7	7979.6	7941.3	7888.5	7912.8	7926.8	7310.8	6760.9	*6641.4*	4909.3
45°	7787.2	7736.8	7767.2	7850.3	7965.0	8102.2	8344.3	7794.5	7265.3	*7165.1*	5281.3
47.5°	7373.9	7328.4	7423.0	7600.9	7912.8	8260.0	8739.4	8328.6	7867.3	*7767.8*	5811.1
50°	6792.5	6805.8	6941.2	7264.6	7736.2	8332.8	9226.2	9035.6	8742.5	*8649.6*	6533.9
52.5°	5838.4	5840.8	6222.0	6753.0	7423.0	8295.2	9496.2	9939.3	9937.5	*9825.2*	7222.2
55°	4952.3	5006.4	5308.0	6013.8	6915.7	8144.7	9685.0	10378.7	10722.2	*10590.5*	7863.7
57.5°	4086.9	4118.5	4404.3	5113.2	6191.6	7743.5	9878.6	10906.1	11626.5	*11543.3*	8661.1
60°	3102.5	3151.0	3446.6	4101.5	5265.5	7031.6	9896.8	11456.5	12707.4	*12623.6*	9551.5
62.5°	2013.7	2097.5	2374.2	2987.8	4145.2	6007.7	9474.4	11816.4	13731.8	*13702.1*	10341.7
65°	1157.4	1220.5	1412.9	1886.3	2859.7	4722.3	8470.0	11678.1	14362.4	*14345.4*	10637.2
66°	*945.6*	*985.0*	*1132.5*	*1474.2*	*2359.6*	*4147.0*	*7886.1*	*11386.1*	*14424.9*	*14425.5*	*10603.2*
67.5°	756.2	773.8	840.0	1055.4	1741.2	3287.0	6842.8	10742.2	14347.2	*14368.5*	10384.1
70°	625.7	634.8	655.5	707.7	950.4	1982.2	4857.1	9069.0	13567.4	*13583.7*	9529.0
72.5°	561.4	566.8	574.7	582.0	670.6	1107.6	2966.5	7254.9	11895.3	*11916.6*	8226.0
75°	508.6	511.6	510.4	511.0	562.6	705.8	1533.0	5416.6	9618.2	*9575.7*	6301.5
77.5°	446.7	449.7	443.6	444.9	497.7	542.6	762.9	3791.9	6490.8	*6191.0*	3550.4
80°	377.5	379.9	377.5	381.7	433.3	409.7	443.6	2133.3	2870.1	*2714.7*	1262.4
82.5°	285.2	295.6	302.8	319.8	356.9	291.3	296.8	830.9	873.9	*832.1*	387.2
85°	125.0	152.3	228.2	244.6	268.3	174.8	194.8	338.7	355.6	*344.7*	140.8
87.5°	32.8	35.8	112.9	142.0	148.7	78.9	101.4	154.2	162.7	*154.2*	46.7
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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Scaled Data Report

REPORT NUMBER: P317607
CATALOG NUMBER: GLEON-SA3C-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1632.6	1632.6	1632.6	1632.6	1632.6	1632.6	1632.6	1632.6	1632.6	1632.6	1632.6
2.5°	1650.8	1621.0	1567.6	1520.3	1484.5	1460.2	1435.9	1423.8	1416.5	1409.2	1410.4
5°	1703.6	1643.5	1551.9	1486.9	1450.5	1427.4	1415.3	1410.4	1407.4	1400.1	1400.1
7.5°	1783.1	1698.1	1571.9	1505.1	1476.6	1459.0	1451.7	1449.3	1445.6	1437.2	1438.4
10°	1883.2	1764.3	1613.8	1548.8	1522.7	1503.3	1493.0	1489.3	1482.7	1473.0	1474.2
12.5°	2001.0	1846.2	1669.0	1601.0	1569.5	1543.4	1526.4	1516.0	1504.5	1491.8	1492.4
15°	2129.6	1935.4	1728.5	1647.7	1604.7	1568.2	1540.9	1523.3	1505.1	1489.3	1488.7
17.5°	2260.1	2021.6	1774.0	1673.2	1615.0	1567.0	1530.0	1502.7	1480.2	1460.8	1459.0
20°	2400.9	2099.3	1799.5	1670.8	1595.6	1538.5	1489.3	1455.4	1430.5	1411.1	1408.0
22.5°	2544.1	2172.1	1803.7	1645.9	1552.5	1482.7	1431.1	1393.5	1368.0	1347.9	1340.7
25°	2675.2	2228.6	1786.1	1598.0	1492.4	1417.1	1366.7	1328.5	1307.9	1284.2	1276.9
27.5°	2794.8	2268.0	1750.9	1536.7	1425.0	1351.0	1303.6	1270.9	1248.4	1230.2	1224.1
30°	2902.2	2289.2	1693.3	1463.9	1355.8	1288.5	1248.4	1225.9	1206.5	1183.5	1179.2
32.5°	3004.2	2289.2	1619.2	1384.3	1287.2	1233.2	1209.6	1195.6	1173.8	1151.3	1145.2
35°	3106.1	2275.3	1531.8	1301.2	1224.1	1193.8	1192.6	1176.2	1142.8	1112.5	1104.6
37.5°	3213.6	2246.8	1433.5	1223.5	1172.5	1176.2	1186.5	1150.1	1102.7	1059.7	1048.1
40°	3334.9	2207.3	1331.5	1156.2	1129.4	1168.3	1170.1	1112.5	1020.2	980.8	970.4
42.5°	3477.6	2167.9	1236.9	1096.7	1095.5	1144.6	1139.2	1031.1	975.9	955.9	950.4
45°	3665.1	2145.4	1147.0	1040.2	1068.8	1106.4	1086.4	986.2	963.2	951.6	946.8
47.5°	3960.7	2156.9	1064.5	995.3	1042.1	1068.2	988.0	968.0	951.6	937.7	932.8
50°	4330.9	2150.3	997.8	964.4	1011.7	1028.1	943.7	944.3	935.8	920.1	912.8
52.5°	4609.4	2098.1	954.7	946.8	985.0	957.1	915.8	921.3	917.0	894.0	886.1
55°	4878.3	2053.2	932.8	940.1	965.6	868.5	883.0	896.4	892.1	869.7	866.1
57.5°	5212.7	2044.7	919.5	941.9	949.2	824.2	851.5	869.1	866.1	856.3	854.5
60°	5622.4	2047.1	907.3	945.0	931.0	791.4	821.7	844.2	846.0	844.2	843.0
62.5°	5847.5	1980.9	877.0	936.5	898.8	762.9	790.8	823.6	824.2	827.8	827.2
65°	5656.4	1783.1	820.5	906.7	844.8	739.2	764.1	799.9	790.8	807.2	807.2
66°	*5470.6*	*1669.0*	*792.6*	*887.3*	*821.7*	*730.1*	*755.6*	*787.8*	*776.2*	*798.7*	*798.7*
67.5°	5091.3	1476.6	742.2	846.0	789.0	717.4	745.9	767.7	752.0	785.3	782.9
70°	4398.2	1142.2	640.9	752.6	735.0	698.5	732.5	727.7	704.6	755.6	745.9
72.5°	3708.2	867.9	514.7	630.0	653.0	674.9	713.7	676.7	647.6	683.4	662.1
75°	2877.3	652.4	406.6	489.8	551.7	637.9	691.3	617.8	576.0	572.3	560.8
77.5°	1555.5	447.9	322.3	373.9	438.2	591.7	676.1	554.7	491.6	477.0	467.9
80°	616.0	291.3	234.3	283.4	306.5	525.0	639.7	481.3	405.4	390.8	376.9
82.5°	254.3	172.4	151.1	190.0	199.7	449.1	574.1	394.5	313.2	433.3	460.0
85°	109.2	94.7	89.8	98.3	112.9	315.0	457.0	301.0	338.0	301.6	239.7
87.5°	32.8	40.1	38.2	37.6	41.3	75.3	243.4	167.5	248.2	94.1	70.4
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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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

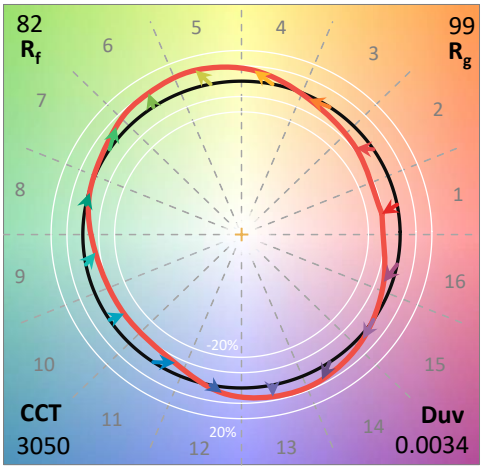
Test Information

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

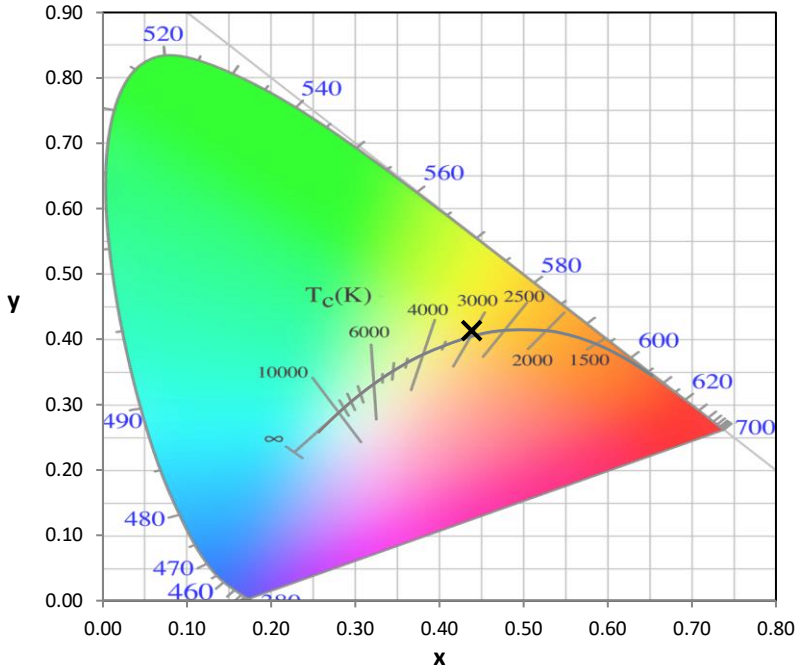
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

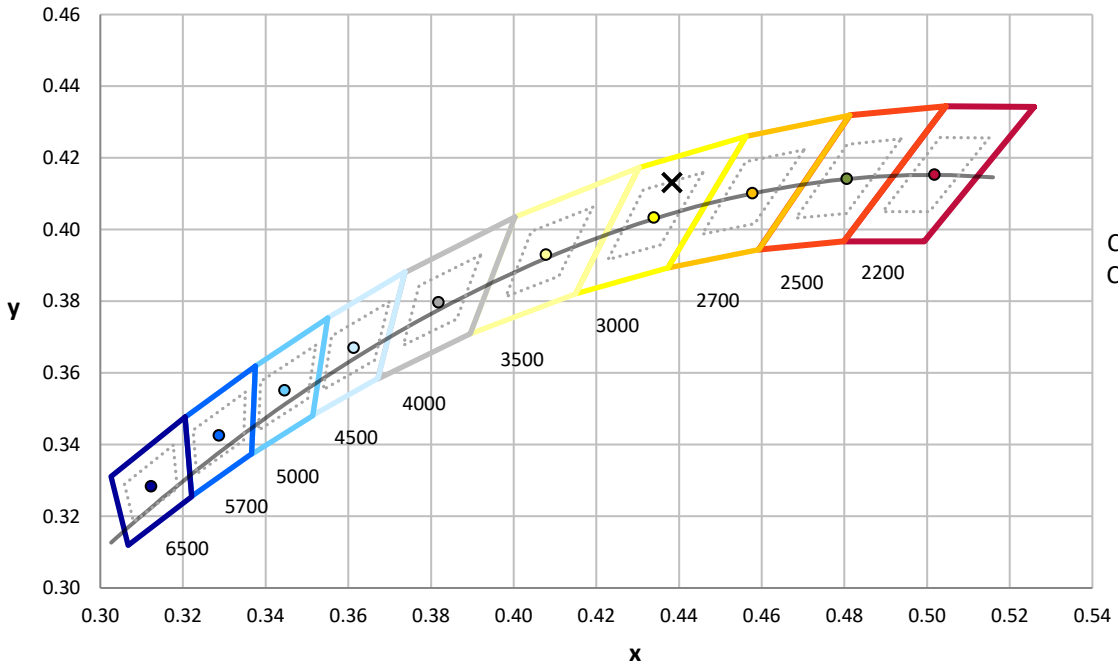
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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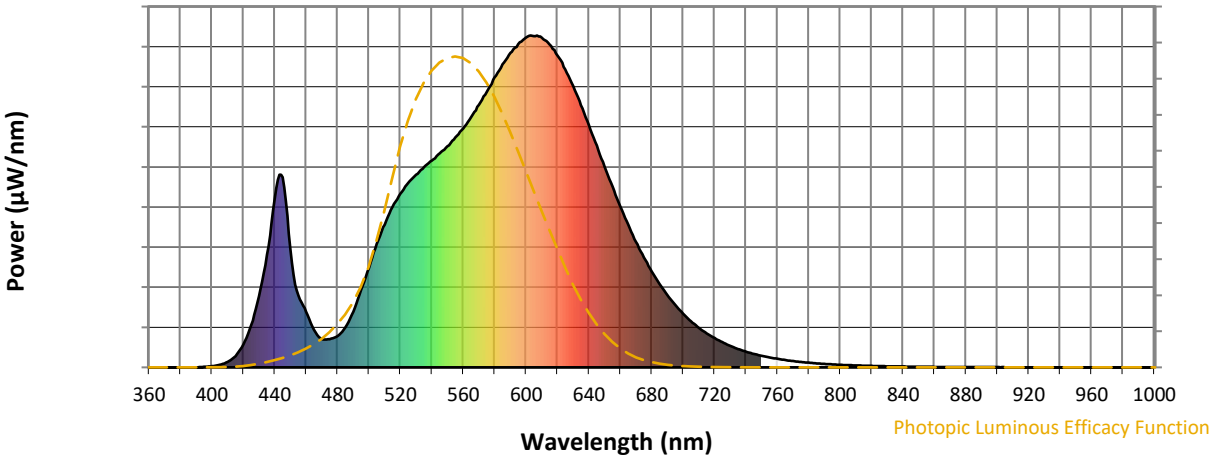
Photopic Flux vs. Wavelength



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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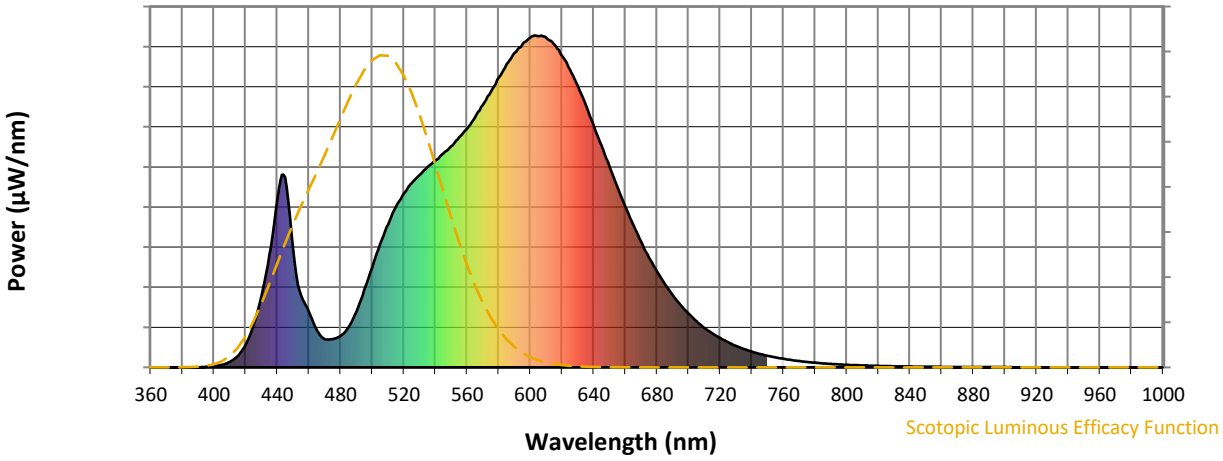
Scotopic Flux vs. Wavelength



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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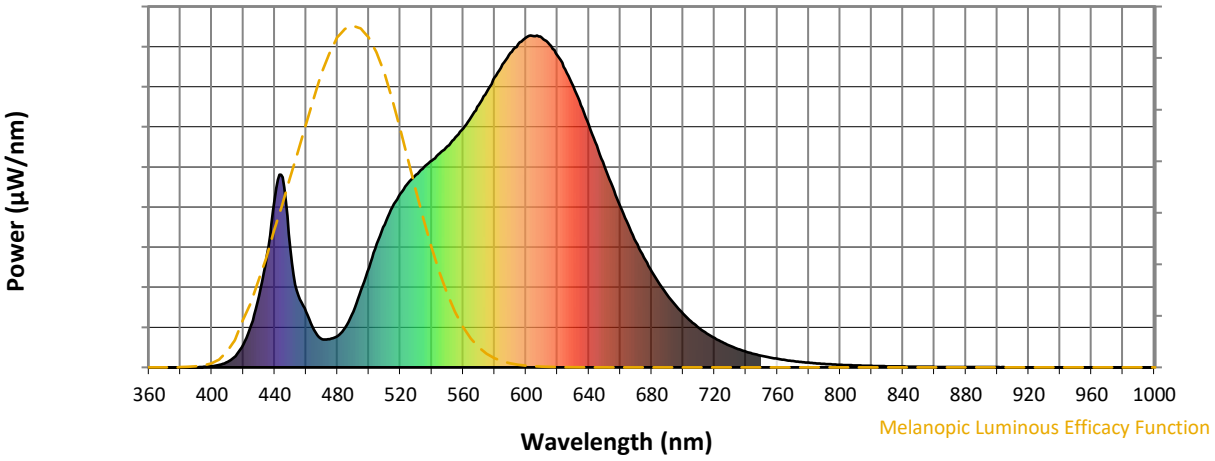
Melanopic Flux vs. Wavelength



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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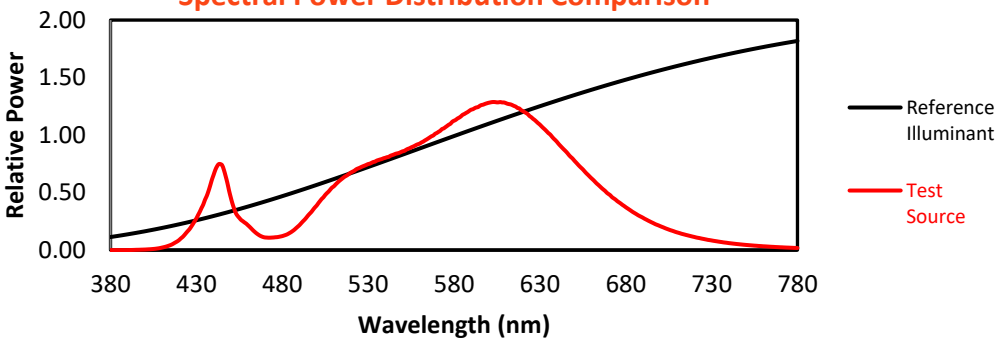
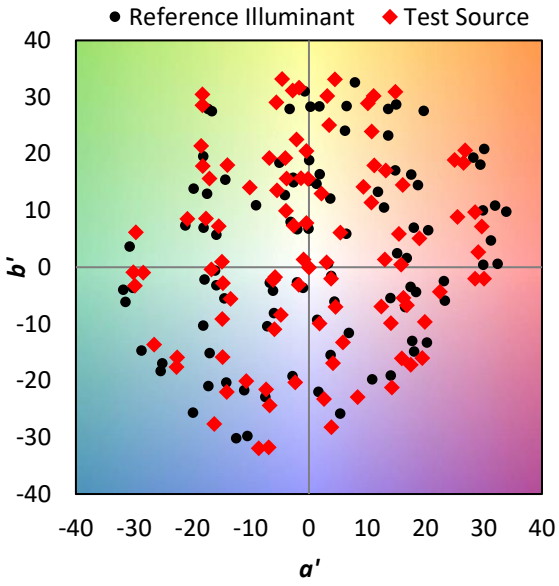
Summary

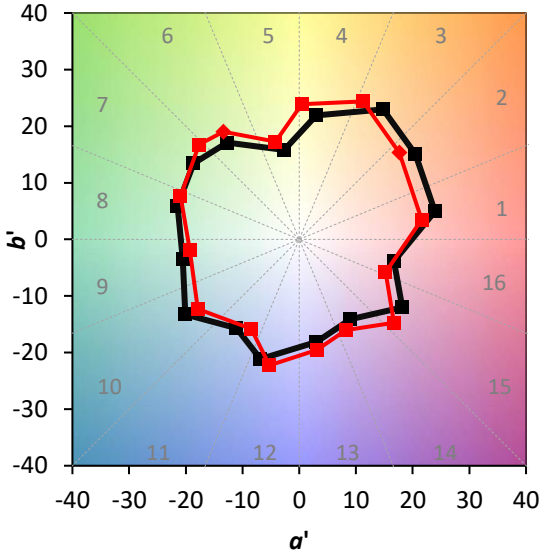
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

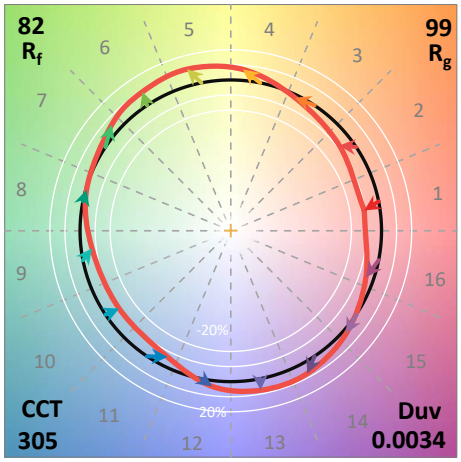
Spectral Power Distribution Comparison

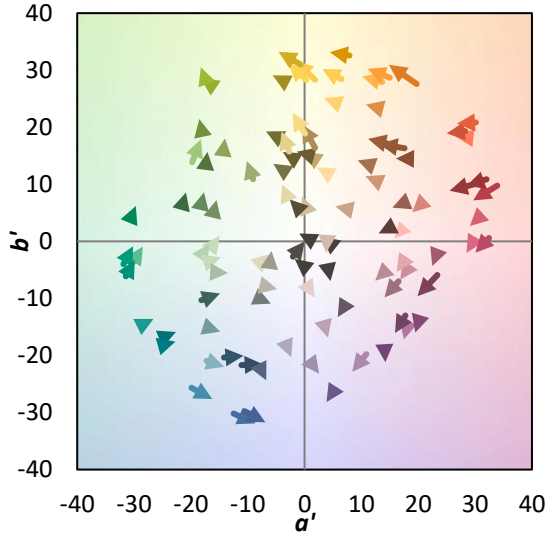


Color Vector Graphics









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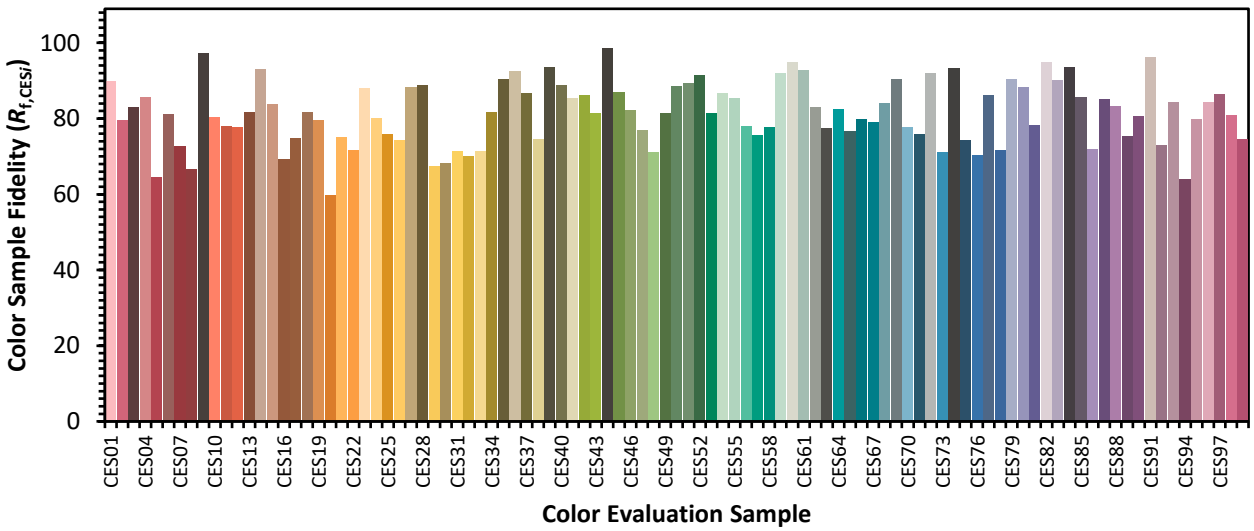
Individual Sample Fidelity Index ($R_{f,i}$)

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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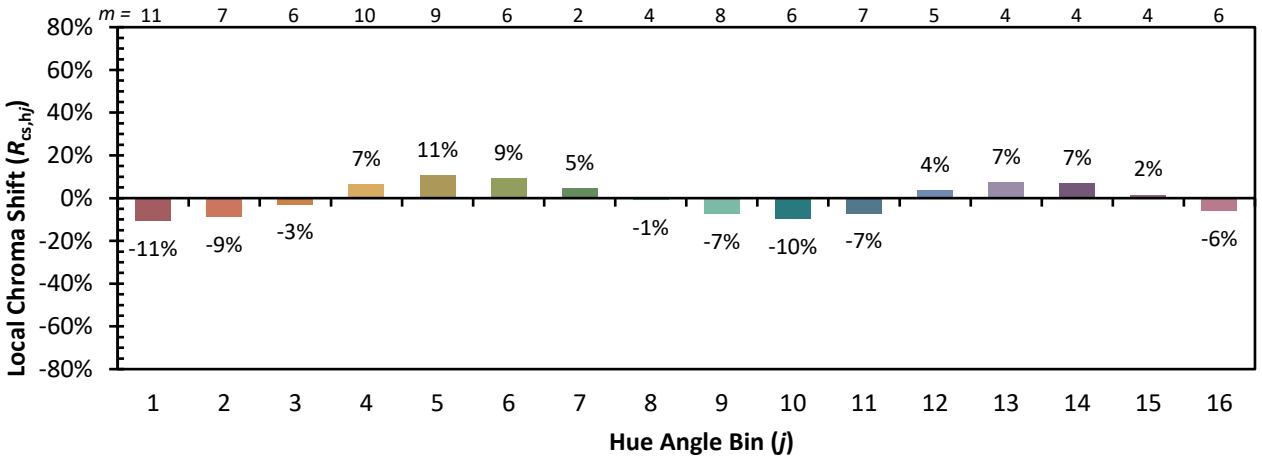
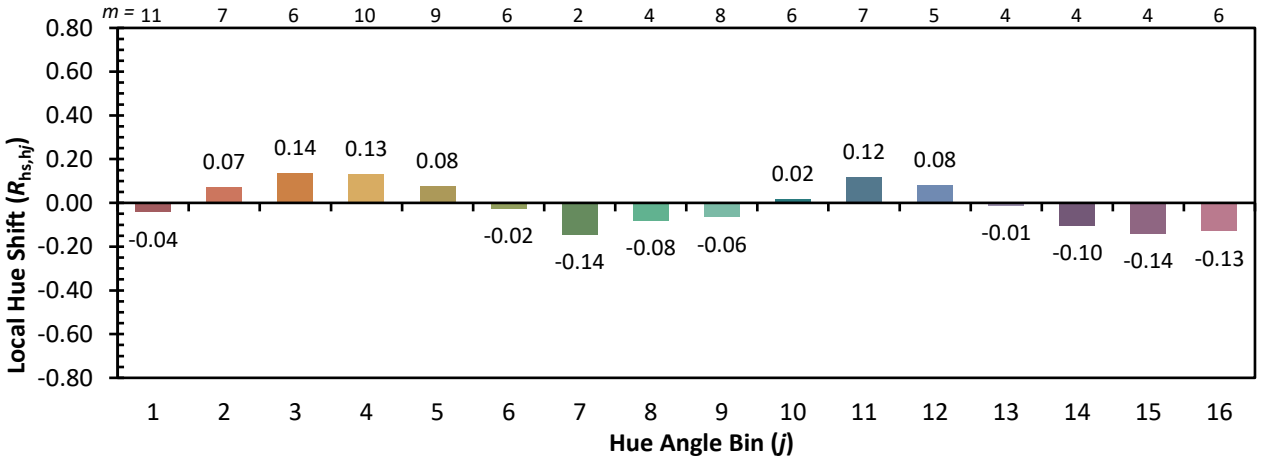
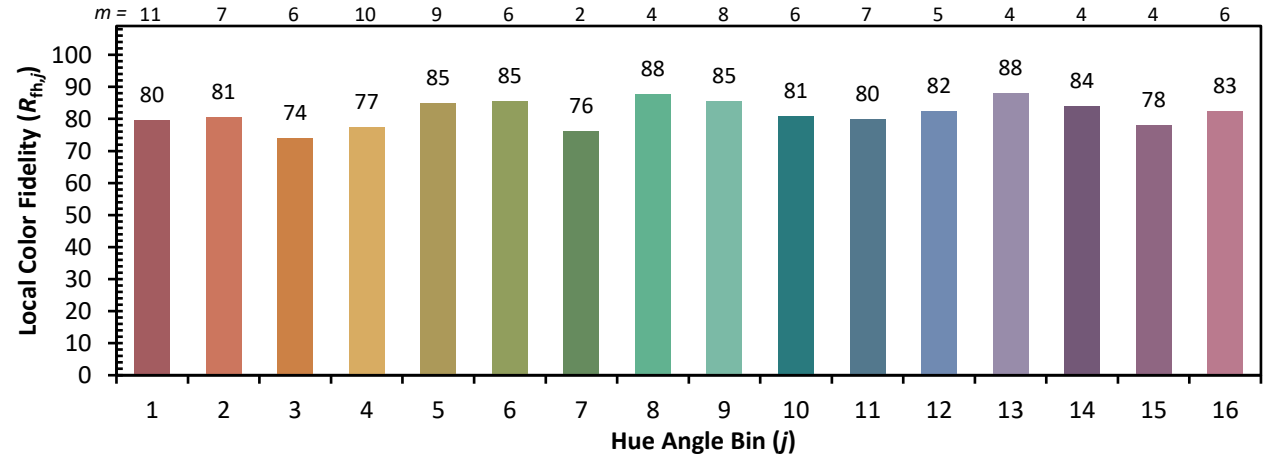
Color Rendition by Hue-Angle Bin







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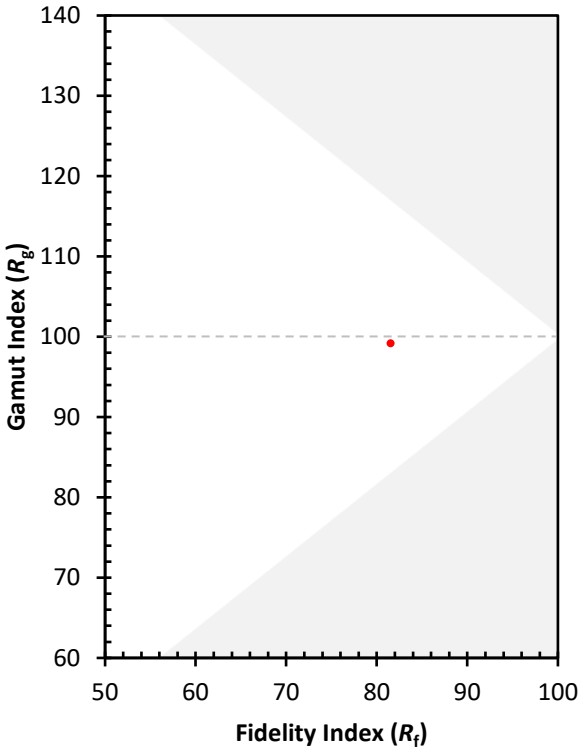
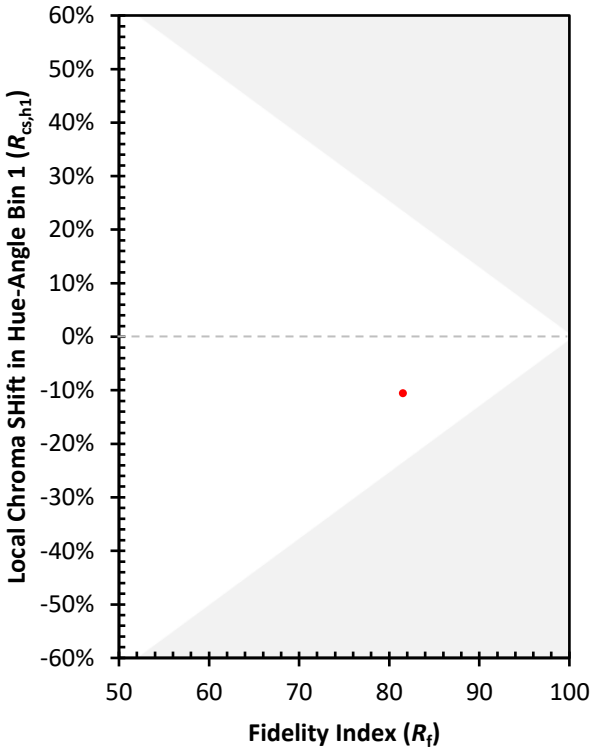
Measure Comparisons





(END OF REPORT)