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: P319852

Luminaire Tested: **GLEON-SA8C-830-U-SL3**

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:	P319852
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8C-830-U-SL3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	45048 lumens
Efficiency:	N/A
Efficacy:	101.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	445
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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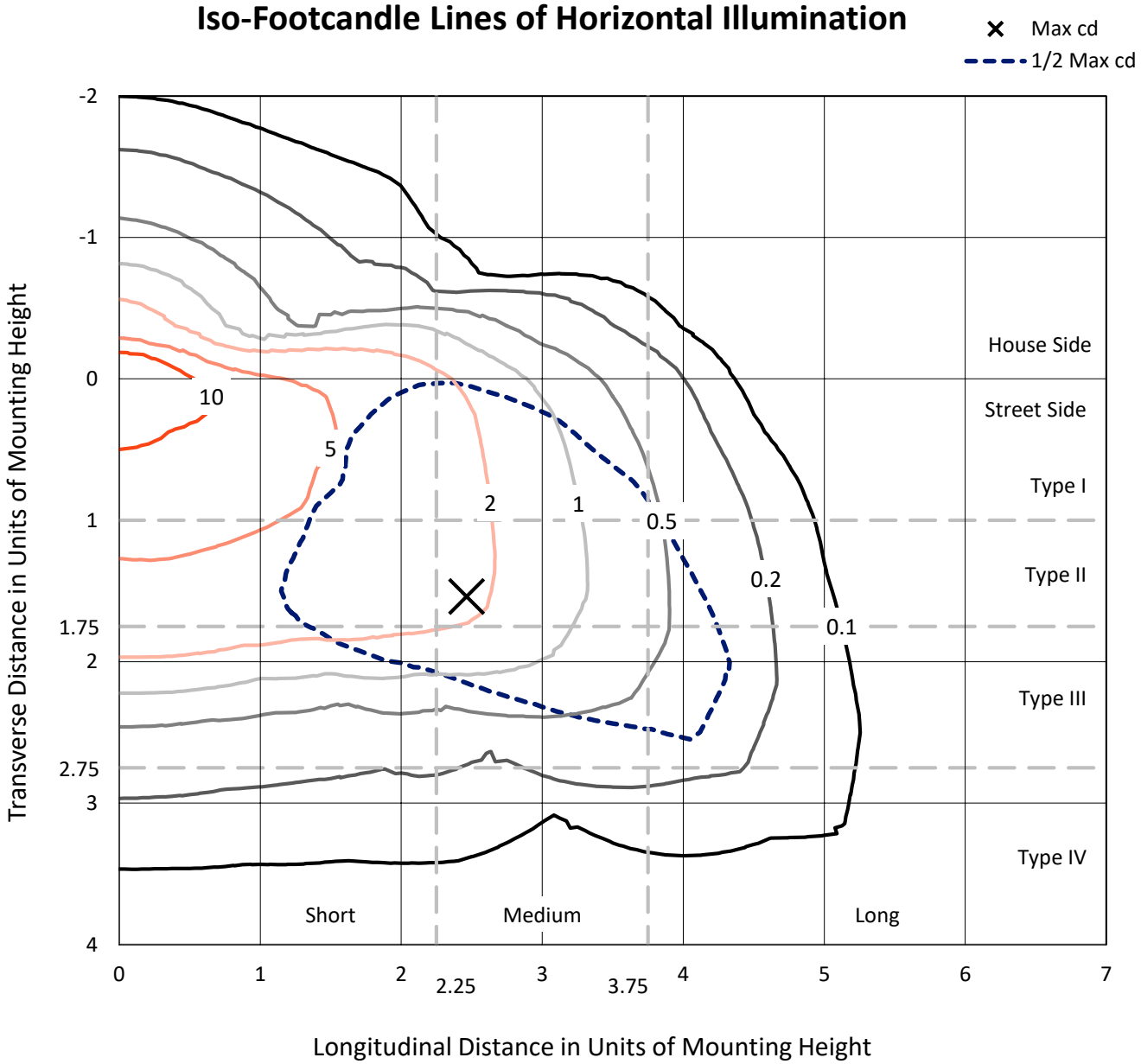
REPORT NUMBER: P319852
CATALOG NUMBER: GLEON-SA8C-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 20 fc
Type III - Medium - N/A

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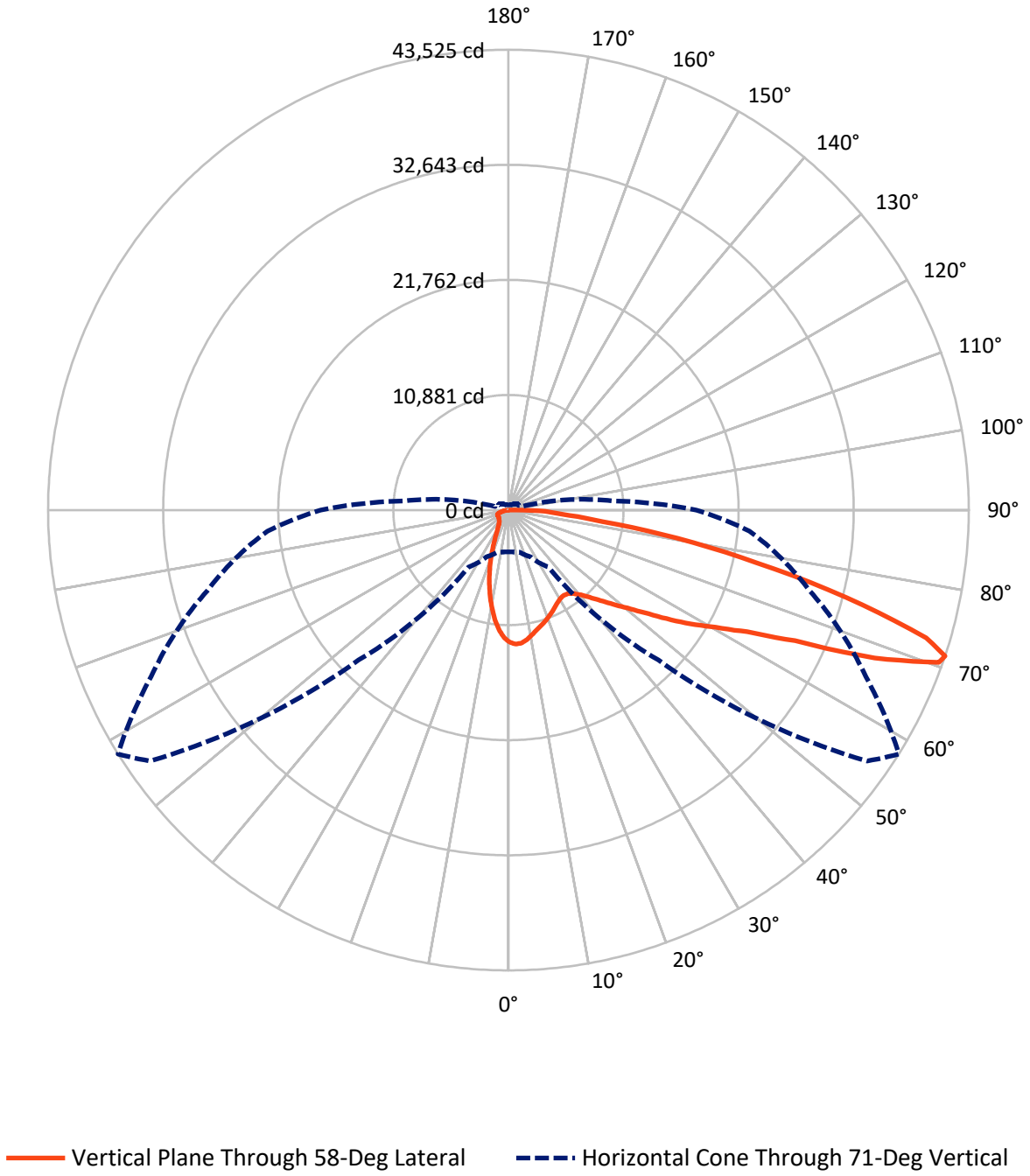
Luminous Intensity Polar Plot



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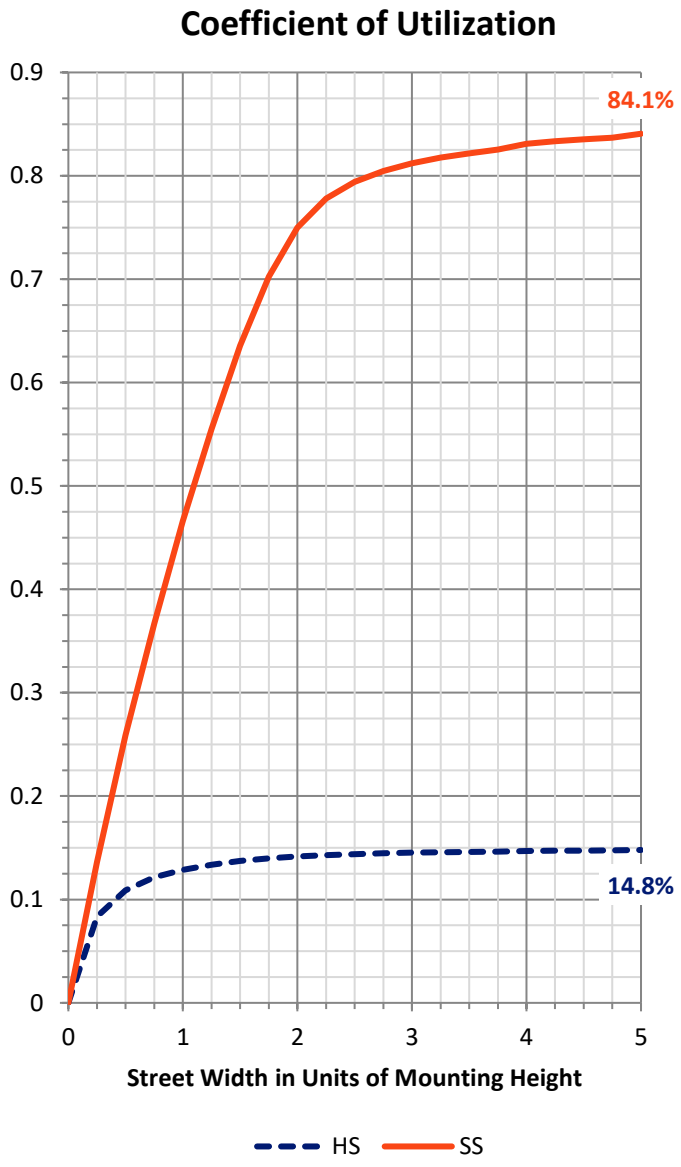
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6735.0	0.0	6735.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	38313.0	0.0	38313.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	45048.0	0.0	45048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1076.8	2.4
10°-20°	2394.3	5.3
20°-30°	3042.9	6.8
30°-40°	3876.1	8.6
40°-50°	5496.5	12.2
50°-60°	8506.0	18.9
60°-70°	11579.8	25.7
70°-80°	7725.1	17.1
80°-90°	1350.6	3.0
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°	45048.0	100.0
0°-180°	45048.0	100.0



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REPORT NUMBER: P319852
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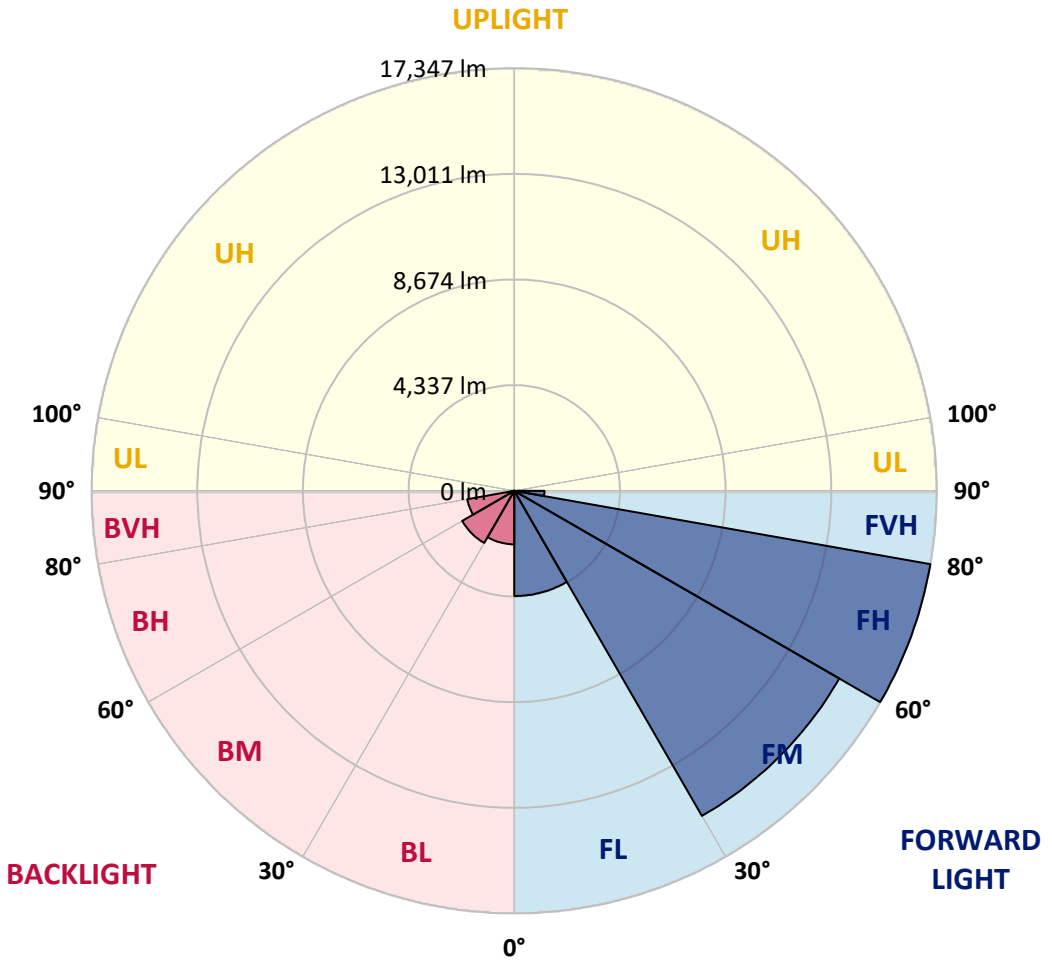
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4318.6	9.6			
FM	(30°-60°)	15408.6	34.2			
FH	(60°-80°)	17347.4	38.5			G5
FVH	(80°-90°)	1238.4	2.7			G5
BL	(0°-30°)	2195.4	4.9	B3/2500		
BM	(30°-60°)	2469.9	5.5	B2/2500		
BH	(60°-80°)	1957.5	4.3	B3/2500		G3/2500
BVH	(80°-90°)	112.2	0.2			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 III Medium



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Scaled Data Report

REPORT NUMBER: P319852
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	12481.3	12481.3	12481.3	12481.3	12481.3	12481.3	12481.3	*12481.3*	12481.3	12481.3	12481.3
2.5°	12812.4	12795.1	12801.4	12788.9	12759.1	12729.2	12685.3	*12693.1*	12631.9	12540.9	12428.0
5°	12570.8	12564.5	12611.5	12638.2	12660.2	12642.9	12630.4	*12646.1*	12556.6	12431.1	12234.9
7.5°	12063.9	11994.9	12054.5	12143.9	12228.7	12293.0	12377.7	*12388.7*	12332.2	12200.4	11943.1
10°	11343.6	11277.7	11365.6	11505.3	11674.7	11828.5	11999.6	*12031.0*	12041.9	11922.7	11610.4
12.5°	10596.7	10546.5	10634.4	10830.5	11111.4	11348.4	11621.4	*11668.5*	11765.8	11685.7	11302.8
15°	9928.2	9909.4	10016.1	10209.1	10532.4	10894.9	11288.7	*11375.0*	11539.8	11513.1	11062.8
17.5°	9350.8	9346.1	9427.7	9630.1	9987.9	10446.1	10957.6	*11103.6*	11348.4	11379.7	10865.0
20°	8920.8	8911.4	8967.9	9117.0	9485.7	10005.1	10599.9	*10800.7*	11153.8	11263.6	10661.1
22.5°	8690.2	8688.6	8690.2	8760.8	9062.1	9545.4	10251.5	*10496.3*	10963.9	11171.0	10435.1
25°	8650.9	8646.2	8611.7	8603.8	8774.9	9160.9	9906.3	*10176.2*	10783.4	11106.7	10220.1
27.5°	8752.9	8759.2	8713.7	8639.9	8674.5	8908.3	9606.6	*9895.3*	10639.1	11094.1	10071.0
30°	8964.8	8961.6	8922.4	8845.5	8778.0	8814.1	9393.1	*9681.9*	10541.8	11149.1	9969.0
32.5°	9198.6	9215.8	9208.0	9165.6	9065.2	8920.8	9328.8	*9611.3*	10513.5	11280.9	9925.1
35°	9479.5	9498.3	9554.8	9587.7	9470.0	9237.8	9466.9	*9711.7*	10595.1	11528.8	9995.7
37.5°	9746.2	9794.9	9953.3	10093.0	9992.6	9733.7	9834.1	*10008.3*	10847.8	11919.5	10185.6
40°	10053.8	10096.1	10355.1	10651.6	10635.9	10367.6	10425.7	*10541.8*	11293.4	12479.7	10529.2
42.5°	10356.6	10441.4	10816.4	11236.9	11357.8	11120.8	11213.4	*11274.6*	11921.1	13222.0	11128.7
45°	10759.9	10850.9	11371.9	11878.7	12161.2	12027.8	12175.3	*12198.9*	12710.4	14232.5	11999.6
47.5°	11370.3	11473.9	12081.2	12613.1	13044.6	13058.8	13302.0	*13292.6*	13695.9	15389.0	13096.4
50°	12321.3	12470.3	12967.8	13465.2	13989.3	14281.2	14606.0	*14560.5*	14877.5	16620.8	14359.6
52.5°	13567.2	13636.2	14005.0	14372.2	15023.4	15677.7	16143.8	*16103.0*	16217.5	17887.2	15793.9
55°	14858.6	14910.4	15062.6	15263.5	16139.1	17206.1	18191.6	*18127.2*	17836.9	19202.1	17210.8
57.5°	16019.8	16125.0	16230.1	16313.3	17262.6	18803.6	20286.4	*20291.1*	19594.4	20620.7	18674.9
60°	16200.3	16292.9	16988.0	17643.9	19184.9	20934.5	22528.8	*22481.7*	21413.1	22160.0	20306.8
62.5°	14320.4	14529.1	15690.3	17435.2	21036.5	24832.4	25389.4	*25331.4*	23588.0	24057.2	22207.1
65°	10262.5	10499.4	11900.7	14522.8	20138.9	29127.2	30552.1	*29770.6*	26553.8	26390.6	24432.2
67.5°	5920.5	5977.0	6584.3	8690.2	15334.1	29351.6	38427.8	*37334.1*	31159.3	29037.8	25521.2
70°	4378.0	4376.5	4520.8	5347.8	8297.9	23955.2	42173.4	*43154.2*	36008.1	29908.7	23981.9
71°	*3959.1*	*3963.8*	*4125.4*	*4867.6*	*6571.8*	*20051.1*	*41377.9*	*43524.5*	*37285.4*	*29478.7*	*22867.8*
72.5°	3386.3	3402.0	3626.4	4365.5	5528.2	13827.7	37950.8	*41302.6*	37891.1	28418.0	21124.4
75°	2568.8	2604.8	2915.5	3679.7	5052.8	7012.7	27853.1	*32981.2*	33660.6	25075.6	15696.6
77.5°	1832.8	1873.6	2225.1	3094.4	4803.3	5285.0	18652.9	*24057.2*	24771.2	16070.0	7080.2
80°	1158.1	1206.7	1471.9	2462.1	4513.0	5018.3	11721.8	*16170.5*	13507.6	5142.2	1801.4
82.5°	679.5	717.1	913.3	1608.4	3686.0	4833.1	6896.6	*8963.2*	5256.8	1553.5	819.1
85°	393.9	411.1	569.6	1024.7	2677.0	4561.6	5066.9	*5010.4*	2281.6	759.5	387.6
87.5°	183.6	204.0	337.4	535.1	1486.0	3306.3	4004.6	*3460.1*	1418.5	356.2	182.0
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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Scaled Data Report

REPORT NUMBER: P319852
CATALOG NUMBER: GLEON-SA8C-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12481.3	12481.3	12481.3	12481.3	12481.3	12481.3	12481.3	12481.3	12481.3	12481.3	12481.3
2.5°	12373.0	12346.4	12234.9	12136.1	12032.5	11897.6	11748.5	11729.7	11638.7	11655.9	11624.5
5°	12128.2	12060.8	11792.4	11549.2	11262.0	11004.7	10725.4	10596.7	10411.6	10399.0	10351.9
7.5°	11778.3	11652.8	11236.9	10775.6	10314.3	9874.9	9440.2	9154.6	8862.8	8738.8	8727.8
10°	11384.4	11171.0	10559.1	9876.5	9211.1	8569.3	7947.9	7488.2	7073.9	6877.7	6869.9
12.5°	11011.0	10695.6	9856.1	8927.1	8017.0	7185.3	6333.2	5729.1	5209.7	5035.5	4961.8
15°	10694.0	10249.9	9171.9	7984.0	6879.3	5724.4	4754.6	4119.1	3638.9	3472.6	3441.2
17.5°	10386.4	9815.3	8470.5	7031.5	5696.1	4426.7	3455.3	2983.0	2727.2	2659.8	2658.2
20°	10080.5	9368.0	7737.7	6057.1	4552.2	3311.0	2656.6	2444.8	2358.5	2350.6	2338.1
22.5°	9733.7	8894.1	6967.2	5079.5	3552.6	2603.3	2258.1	2173.3	2162.3	2190.6	2190.6
25°	9408.8	8423.4	6185.7	4122.3	2763.3	2171.8	2016.4	1999.1	2029.0	2079.2	2083.9
27.5°	9106.0	7969.9	5423.1	3271.8	2214.1	1912.8	1848.5	1868.9	1922.3	1980.3	1981.9
30°	8856.5	7541.5	4682.5	2578.2	1870.5	1719.8	1708.8	1749.6	1807.7	1853.2	1864.2
32.5°	8663.5	7175.9	3966.9	2072.9	1646.1	1575.5	1584.9	1619.4	1655.5	1680.6	1697.9
35°	8574.0	6862.1	3306.3	1748.1	1503.3	1464.1	1476.6	1495.4	1511.1	1530.0	1544.1
37.5°	8589.7	6618.8	2716.3	1545.6	1407.6	1387.2	1387.2	1387.2	1387.2	1396.6	1398.1
40°	8735.7	6479.2	2236.1	1417.0	1343.2	1321.3	1304.0	1288.3	1275.7	1282.0	1278.9
42.5°	9109.1	6466.6	1884.6	1335.4	1291.4	1255.3	1220.8	1198.9	1183.2	1189.4	1192.6
45°	9743.1	6623.5	1647.6	1277.3	1242.8	1187.9	1143.9	1120.4	1109.4	1129.8	1133.0
47.5°	10563.8	6965.6	1503.3	1234.9	1197.3	1125.1	1078.0	1056.1	1059.2	1089.0	1096.9
50°	11621.4	7521.1	1434.2	1208.3	1165.9	1071.8	1023.1	1004.3	1013.7	1056.1	1065.5
52.5°	12782.6	8321.4	1442.1	1200.4	1145.5	1032.5	980.7	958.8	974.5	1013.7	1021.5
55°	14122.7	9283.3	1572.3	1211.4	1115.7	1007.4	946.2	908.6	921.1	957.2	963.5
57.5°	15611.8	10384.9	1834.4	1208.3	1078.0	983.9	910.1	853.6	863.1	885.0	891.3
60°	17162.2	11715.5	2240.8	1217.7	1060.8	955.6	861.5	790.9	787.7	806.6	809.7
62.5°	19023.2	13254.9	2705.3	1224.0	1071.8	919.5	797.1	728.1	718.7	723.4	726.5
65°	20940.8	14369.0	2531.1	1198.9	1106.3	889.7	740.7	666.9	649.6	646.5	648.1
67.5°	21000.4	13174.9	1774.7	1148.6	1120.4	874.0	698.3	615.1	586.9	575.9	574.3
70°	18833.4	10703.4	1382.5	1095.3	1063.9	848.9	659.1	572.8	530.4	513.1	511.6
71°	*17775.7*	*9852.9*	*1310.3*	*1068.6*	*1021.5*	*823.8*	*641.8*	*553.9*	*510.0*	*491.2*	*488.0*
72.5°	16117.1	8832.9	1222.4	1026.2	939.9	759.5	608.8	527.2	481.7	459.8	455.1
75°	11566.5	5776.2	1049.8	914.8	778.3	605.7	533.5	473.9	434.7	408.0	404.9
77.5°	4456.5	2298.9	794.0	761.1	596.3	473.9	439.4	409.6	381.3	354.6	353.1
80°	1377.7	1027.8	579.0	572.8	431.5	353.1	342.1	334.2	323.3	295.0	288.7
82.5°	735.9	590.0	398.6	370.3	282.5	235.4	247.9	251.1	252.6	222.8	219.7
85°	351.5	312.3	224.4	210.3	164.8	131.8	152.2	164.8	166.3	136.5	127.1
87.5°	167.9	163.2	105.1	80.0	61.2	43.9	53.4	65.9	72.2	51.8	45.5
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

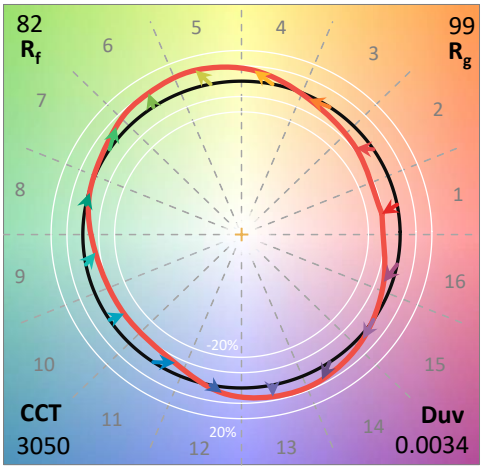
Test Information

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

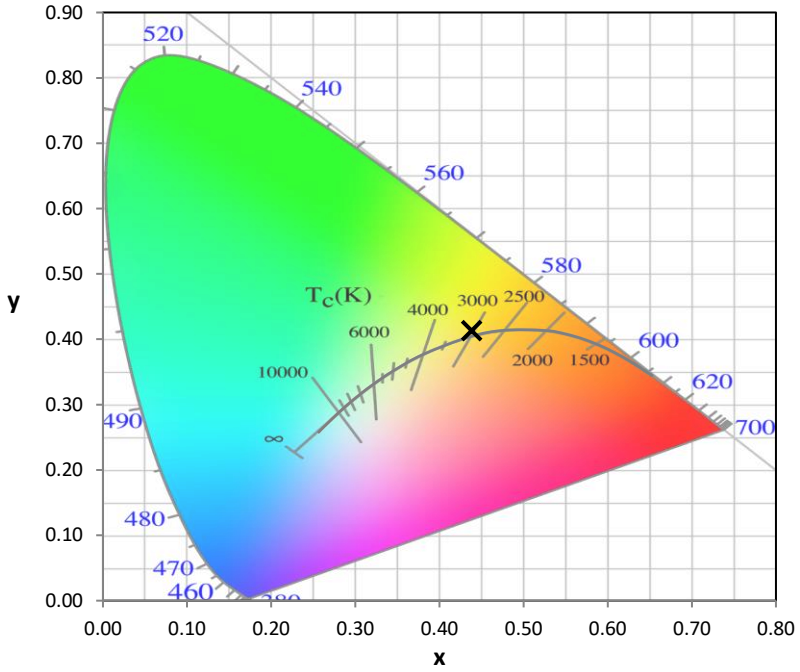
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

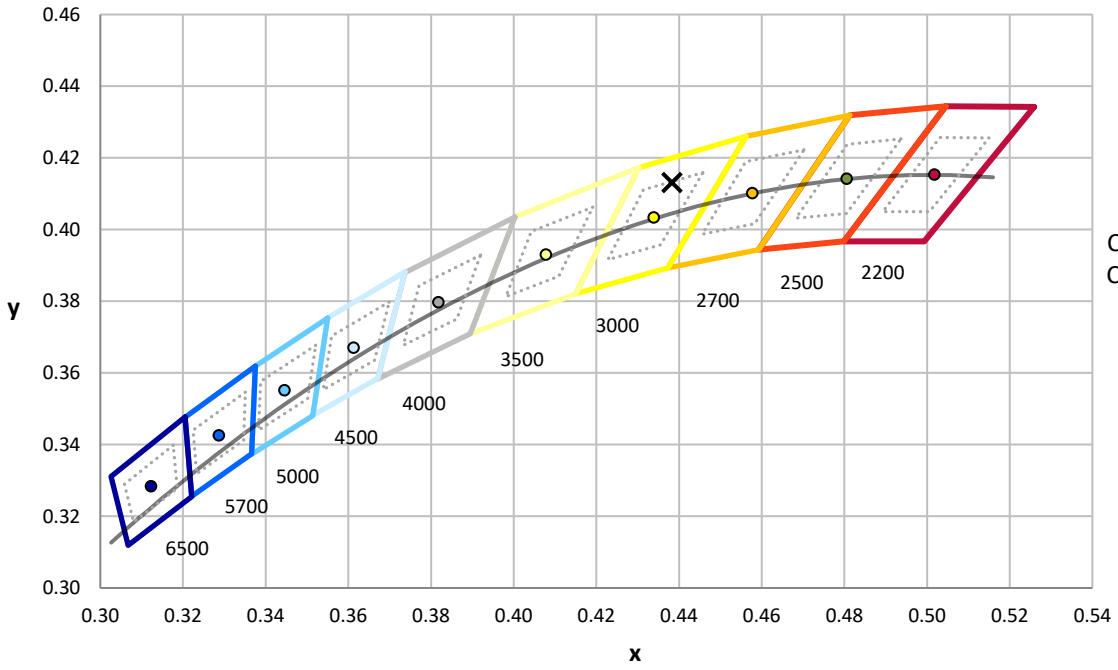
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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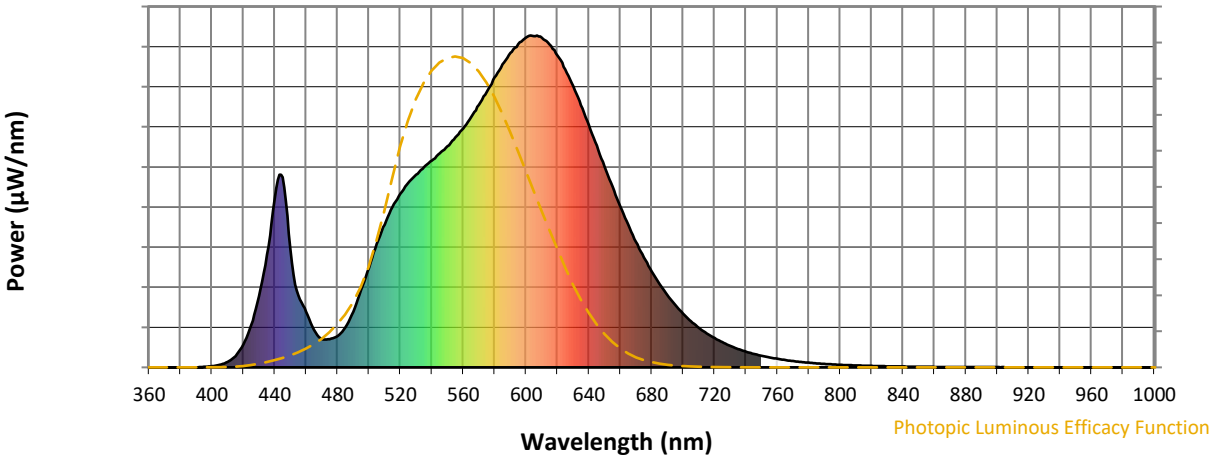
Photopic Flux vs. Wavelength



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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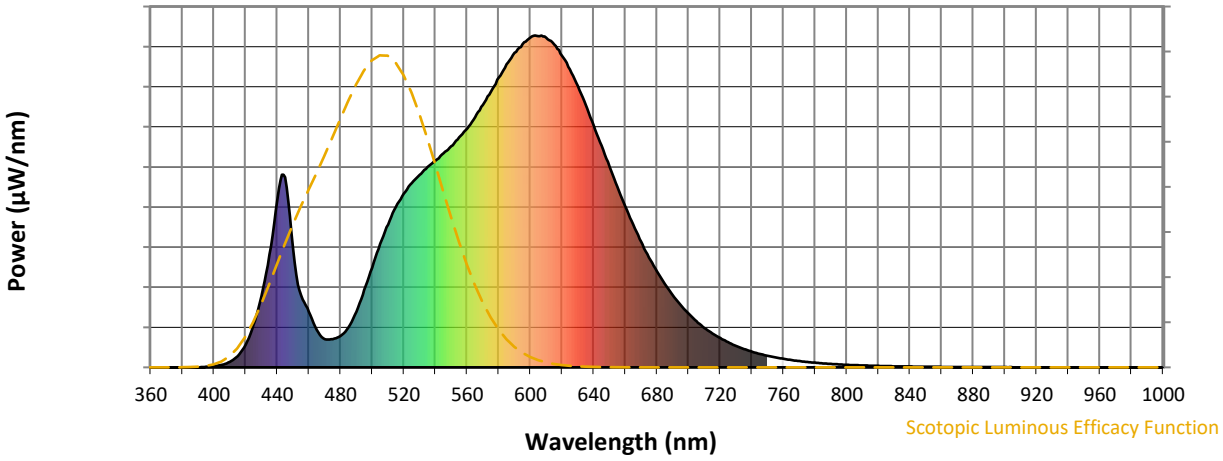
Scotopic Flux vs. Wavelength



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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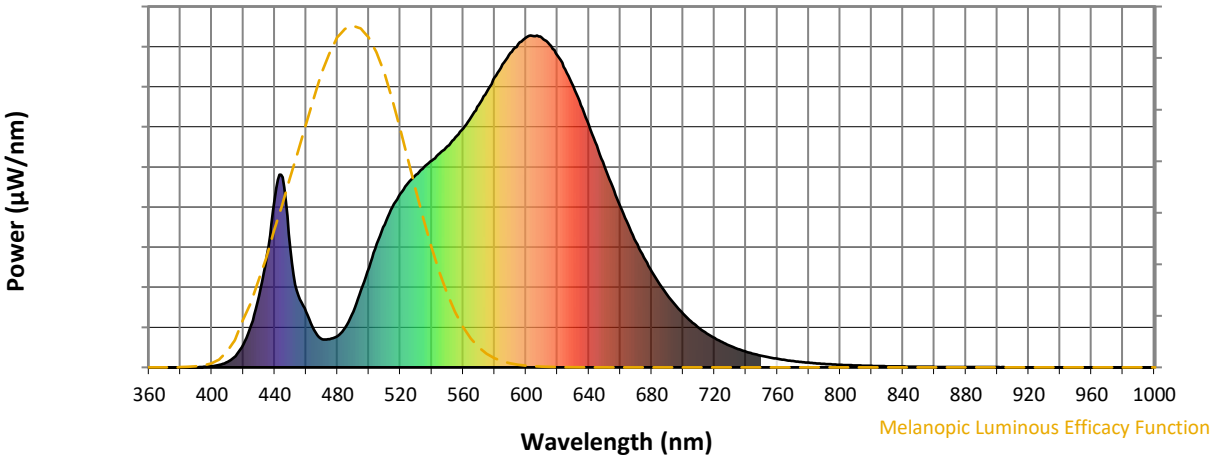
Melanopic Flux vs. Wavelength



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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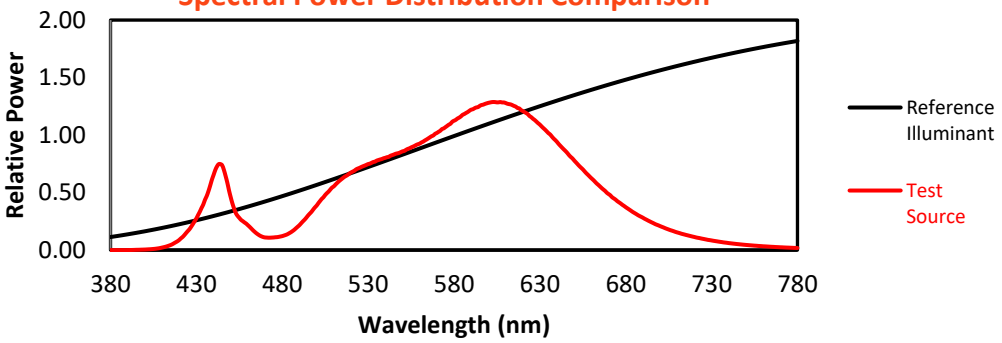
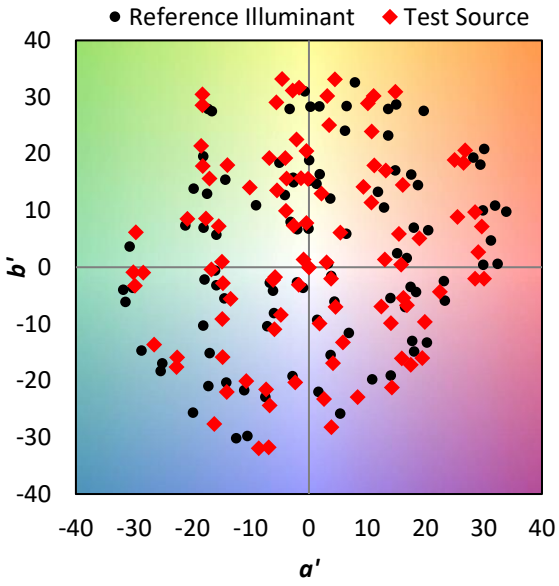
Summary

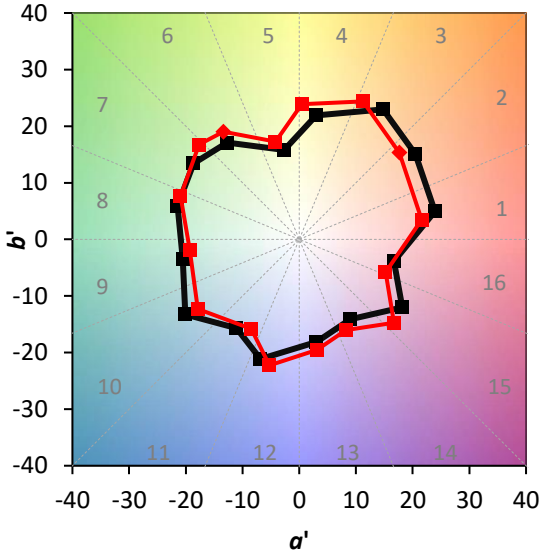
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

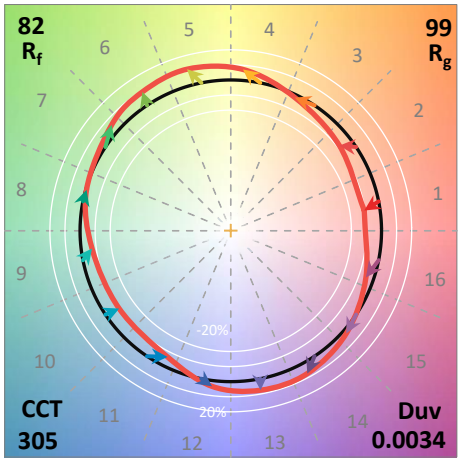
Spectral Power Distribution Comparison

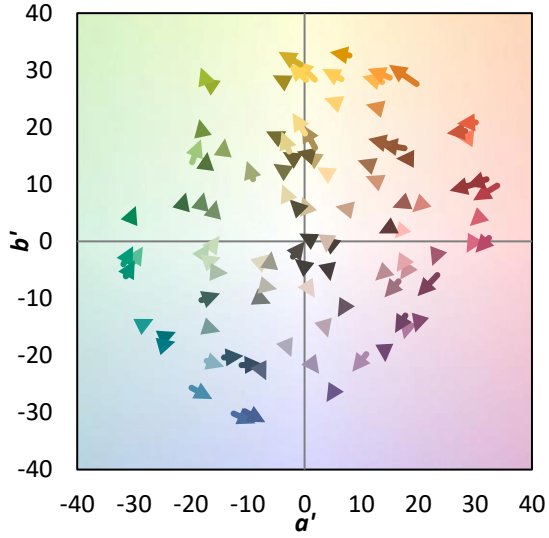


Color Vector Graphics









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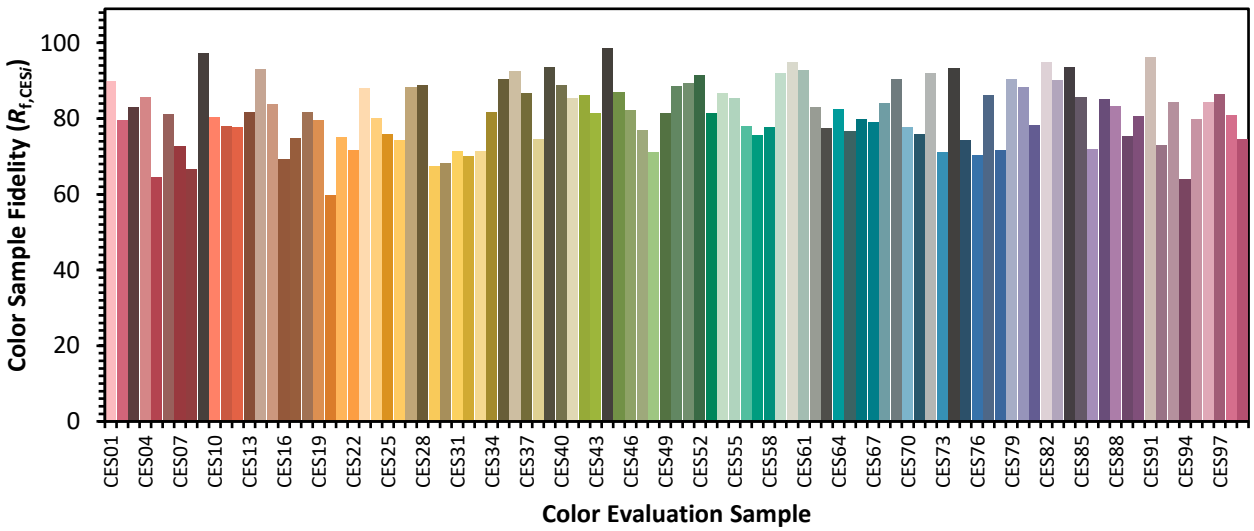
Individual Sample Fidelity Index ($R_{f,i}$)

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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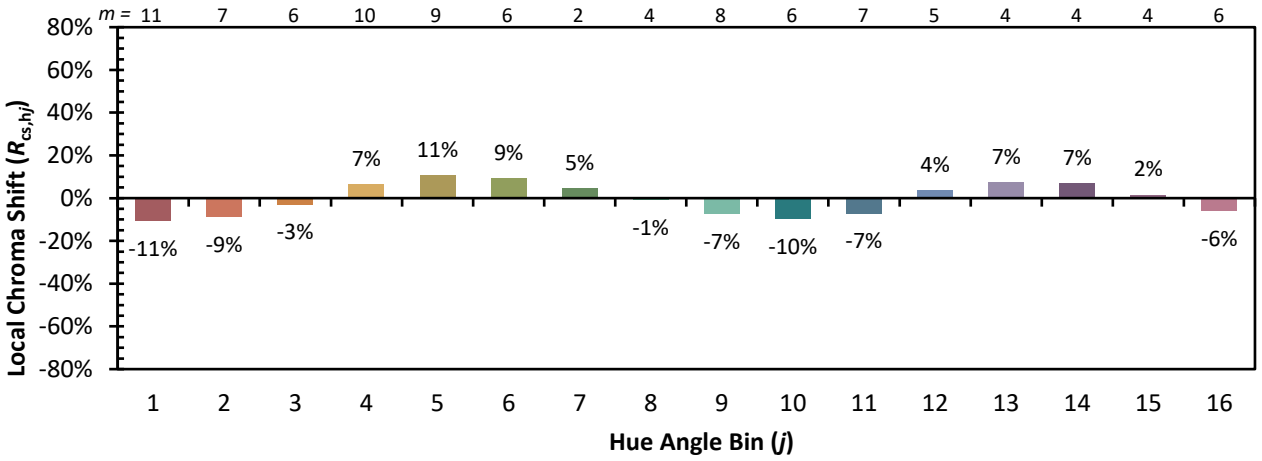
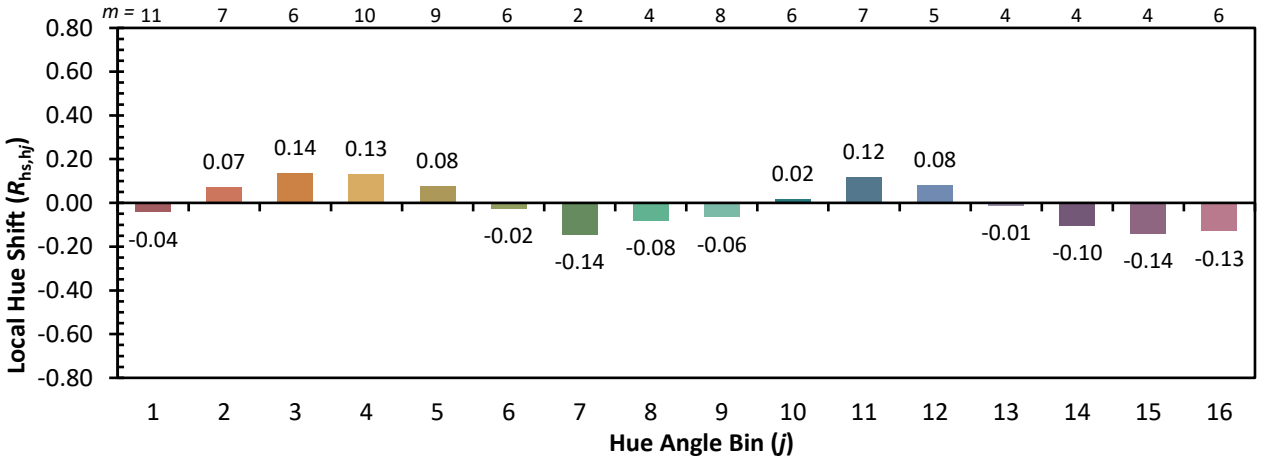
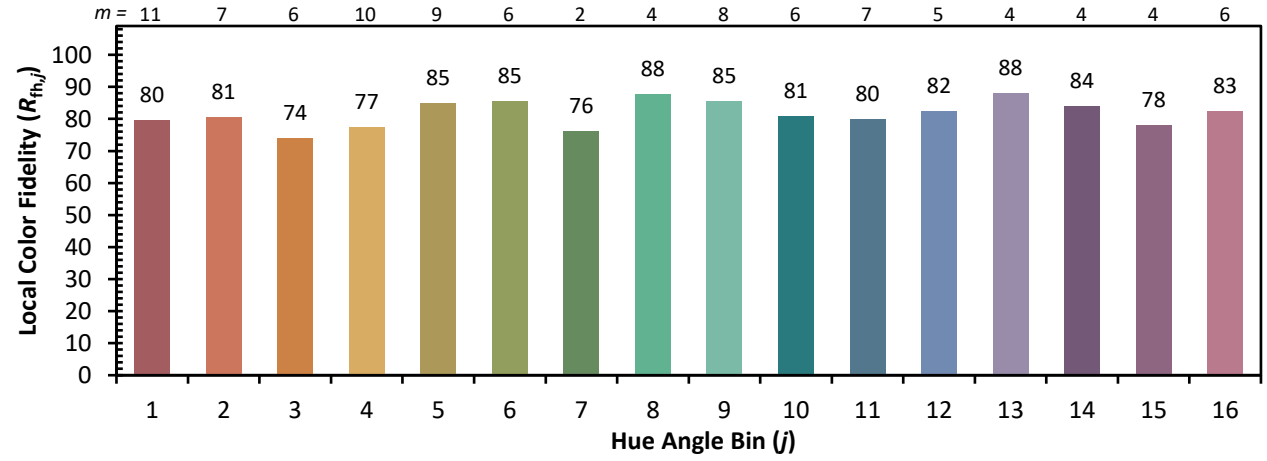
Color Rendition by Hue-Angle Bin







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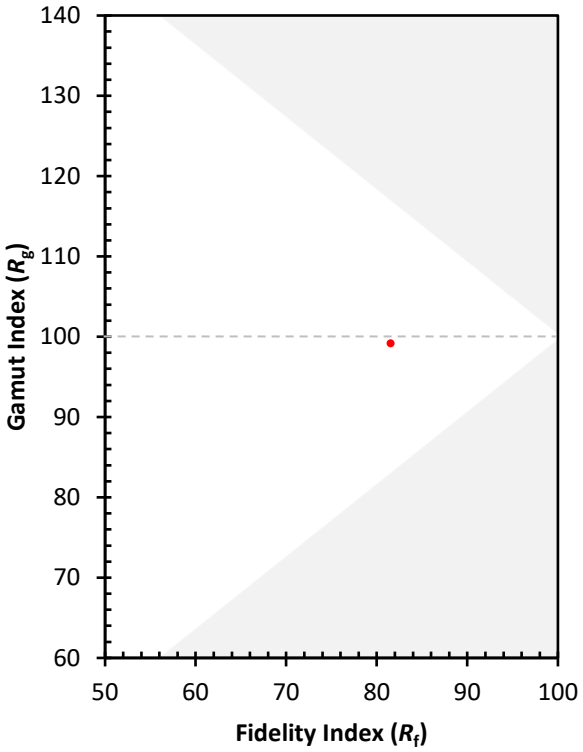
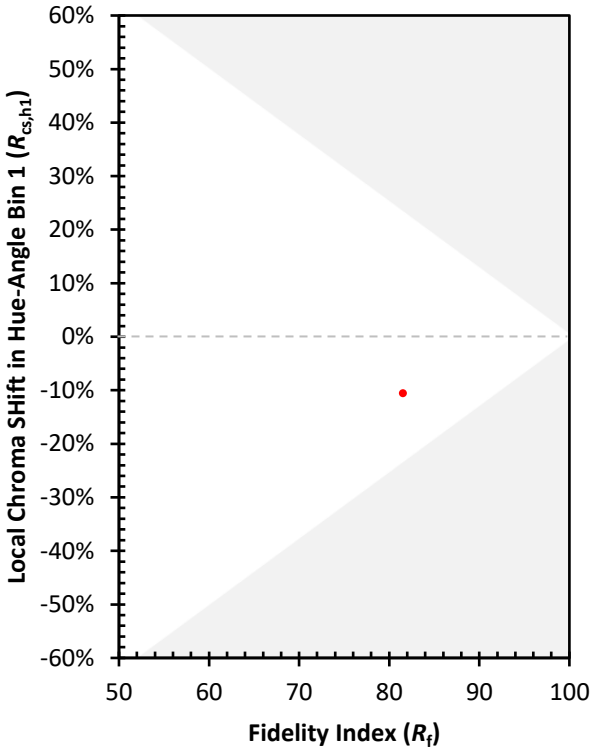
Measure Comparisons





(END OF REPORT)