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: P322735

Luminaire Tested: **GLEON-SA1D-830-U-T4FT-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:	P322735
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1D-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4584 lumens
Efficiency:	N/A
Efficacy:	68.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	67
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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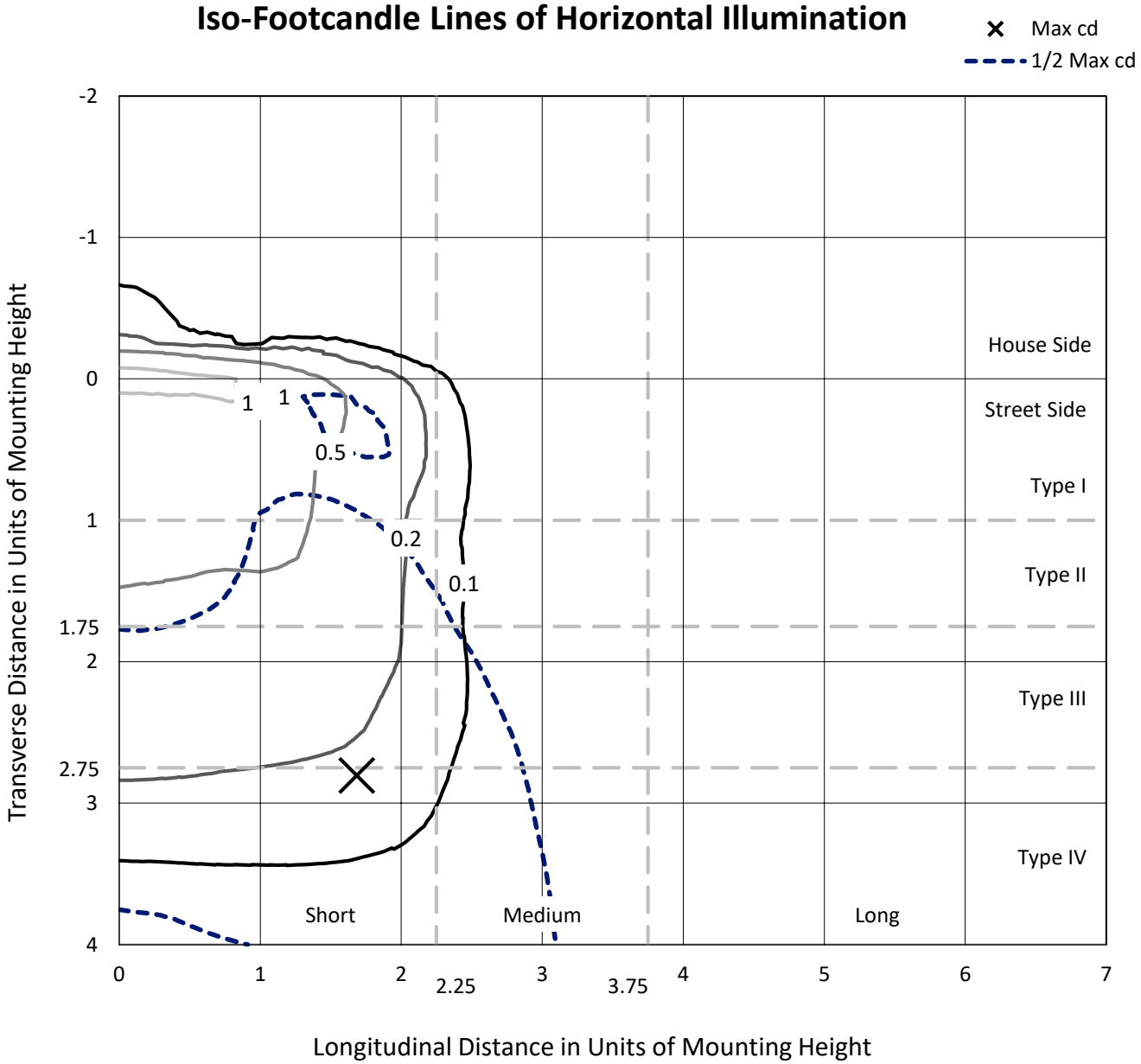
REPORT NUMBER: P322735
CATALOG NUMBER: GLEON-SA1D-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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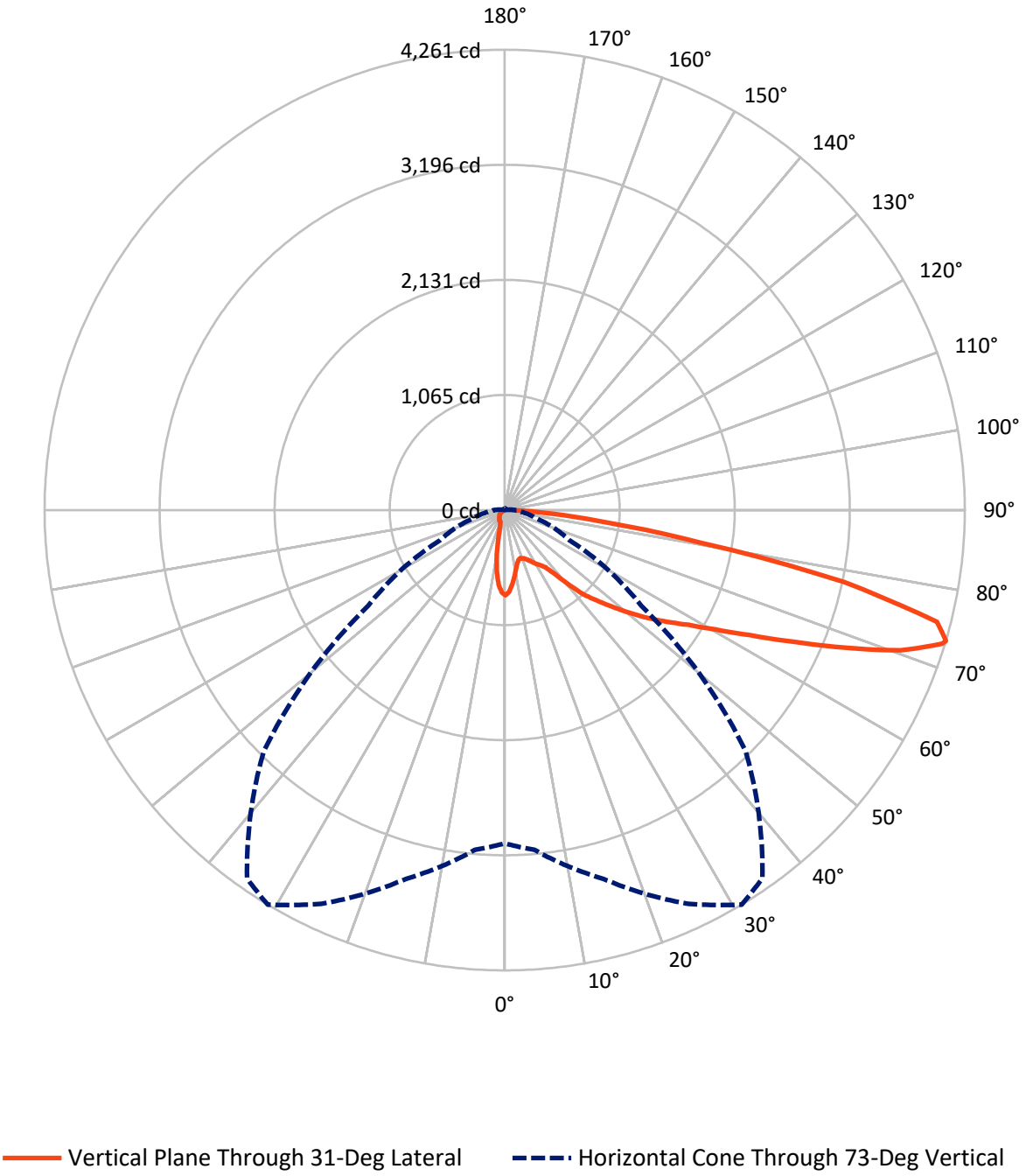
Luminous Intensity Polar Plot



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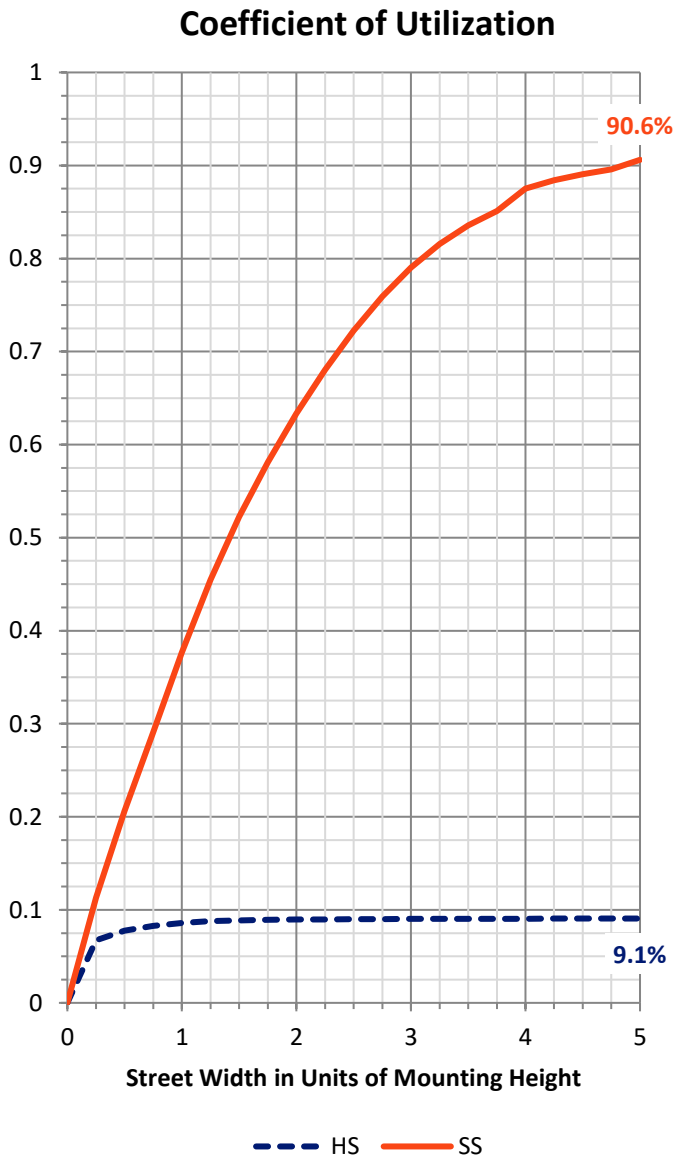
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	417.8	0.0	417.8
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	4166.2	0.0	4166.2
	% Fixture	90.9	0.0	90.9
Total	Lumens	4584.0	0.0	4584.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.4
10°-20°	142.0	3.1
20°-30°	212.7	4.6
30°-40°	338.5	7.4
40°-50°	604.4	13.2
50°-60°	937.9	20.5
60°-70°	1246.8	27.2
70°-80°	937.8	20.5
80°-90°	98.5	2.1
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°	4584.0	100.0
0°-180°	4584.0	100.0



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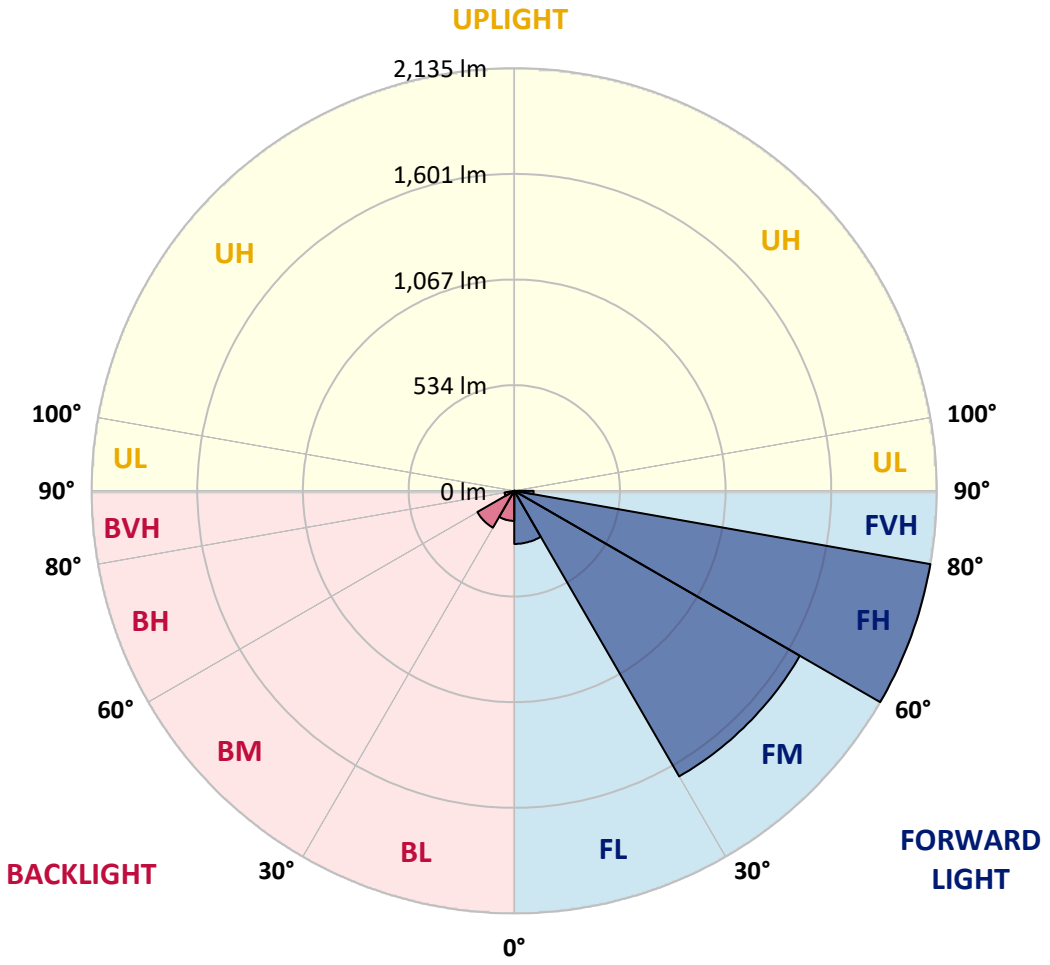
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	268.2	5.9			
FM	(30°-60°)	1665.7	36.3			
FH	(60°-80°)	2134.6	46.6			G2/5000
FVH	(80°-90°)	97.7	2.1			G1/100
BL	(0°-30°)	151.9	3.3	B1/500		
BM	(30°-60°)	215.1	4.7	B0/220		
BH	(60°-80°)	50.0	1.1	B0/110		G0/110
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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REPORT NUMBER: P322735
CATALOG NUMBER: GLEON-SA1D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
2.5°	747.4	750.6	753.9	754.6	760.2	760.4	768.5	774.6	780.6	786.4	788.5
5°	670.7	675.9	681.9	688.0	699.9	704.6	724.3	744.5	763.8	782.2	791.2
7.5°	588.8	594.7	603.2	618.2	631.4	640.6	671.8	707.7	743.6	777.5	797.0
10°	514.1	519.5	528.5	544.4	564.8	577.4	619.3	669.1	721.8	773.2	805.7
12.5°	466.6	469.5	474.4	491.5	509.9	524.0	573.3	635.0	703.9	773.0	819.9
15°	457.8	458.7	454.7	462.3	476.7	490.3	540.4	607.4	690.2	776.6	838.3
17.5°	471.7	471.3	457.8	456.9	468.4	479.6	524.2	588.4	680.6	784.9	862.0
20°	492.8	491.2	467.9	463.7	475.8	486.3	523.1	581.2	677.0	798.8	891.0
22.5°	520.9	518.2	481.6	477.1	490.1	501.1	537.0	588.2	680.1	817.4	924.6
25°	555.6	551.6	505.2	500.2	513.5	524.4	561.9	608.1	689.5	840.1	967.2
27.5°	594.9	589.0	542.8	530.1	545.1	556.5	595.1	638.6	704.3	864.1	1019.5
30°	631.9	624.3	582.5	561.5	579.9	592.6	631.0	675.0	728.1	901.1	1091.1
32.5°	669.1	660.6	618.0	592.9	609.5	623.4	668.0	725.0	772.8	957.6	1186.2
35°	754.8	745.8	693.6	652.1	651.9	659.7	719.8	793.4	831.8	1036.3	1299.7
37.5°	899.0	893.9	844.1	765.4	744.3	735.5	790.5	875.0	916.5	1144.7	1427.8
40°	1057.0	1052.5	996.6	925.3	893.2	871.7	891.9	988.8	1036.3	1277.0	1558.5
42.5°	1235.3	1214.0	1114.4	1093.1	1064.4	1048.0	1029.8	1129.0	1183.5	1421.0	1688.2
45°	1397.2	1361.4	1232.2	1199.9	1193.3	1197.4	1207.5	1317.4	1349.0	1592.2	1817.4
47.5°	1493.7	1465.4	1366.3	1335.3	1333.5	1360.2	1436.5	1530.3	1513.9	1741.3	1931.1
50°	1585.4	1559.9	1477.6	1485.2	1493.5	1529.8	1696.5	1749.2	1664.4	1876.6	2035.4
52.5°	1659.7	1620.7	1577.6	1620.4	1661.3	1719.8	1964.8	1945.7	1771.2	1984.3	2124.7
55°	1702.5	1684.8	1705.7	1748.7	1825.5	1920.6	2218.0	2109.2	1849.2	2082.5	2184.1
57.5°	1859.6	1824.8	1866.3	1903.5	2003.6	2136.6	2434.9	2231.0	1905.5	2143.3	2197.8
60°	2049.6	2021.5	2046.0	2107.9	2242.9	2399.3	2637.7	2330.4	1934.9	2182.3	2162.4
62.5°	2351.9	2314.9	2299.7	2369.0	2548.0	2718.7	2791.6	2399.3	1928.4	2165.1	2040.8
65°	2757.0	2718.7	2650.5	2713.3	2941.0	3061.4	2963.6	2413.8	1883.6	2025.3	1733.5
67.5°	3172.0	3144.2	3085.9	3191.8	3397.2	3436.0	3145.5	2378.4	1739.1	1642.2	1224.8
70°	3446.1	3434.2	3472.2	3706.3	3889.6	3878.4	3312.4	2188.0	1355.5	1009.9	605.9
72.5°	3248.5	3305.5	3585.4	4010.1	4233.9	4142.4	3226.8	1680.1	774.8	388.5	175.2
73°	3084.8	3157.7	3534.5	4021.5	4261.1	4160.8	3154.7	1542.2	660.4	306.6	132.8
75°	2146.0	2235.5	2926.2	3745.4	4134.1	3964.3	2629.6	943.9	306.0	135.9	53.6
77.5°	1041.9	1108.1	1611.2	2706.1	3215.1	3097.3	1637.0	351.7	138.2	85.0	24.7
80°	389.0	432.5	699.4	1377.3	1858.0	1906.7	720.0	133.0	92.0	68.4	12.6
82.5°	101.8	113.5	258.0	614.2	952.2	996.6	227.0	67.1	67.3	56.3	7.6
85°	32.5	37.2	80.5	275.7	448.6	393.9	59.2	32.5	48.9	41.9	4.3
87.5°	4.0	5.2	25.6	64.8	98.9	55.0	9.2	9.6	20.9	23.3	2.5
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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Scaled Data Report

REPORT NUMBER: P322735
CATALOG NUMBER: GLEON-SA1D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
2.5°	790.5	789.4	789.6	783.8	779.9	772.3	764.5	760.9	757.1	755.5	757.1
5°	794.5	792.5	786.7	768.7	749.7	725.0	701.9	684.4	662.4	656.3	662.6
7.5°	800.8	796.8	779.7	743.2	700.8	653.6	600.7	562.1	530.5	510.1	517.5
10°	810.0	802.4	768.0	705.9	630.1	546.7	471.5	413.0	371.5	354.4	353.7
12.5°	825.5	811.1	753.7	657.5	543.7	432.5	334.0	270.5	236.9	215.1	214.7
15°	842.5	821.4	735.5	599.4	443.2	309.8	215.1	166.9	145.1	138.2	137.3
17.5°	863.4	833.3	712.0	527.8	338.0	205.2	140.4	126.5	125.6	124.9	124.9
20°	889.6	847.5	681.7	445.9	239.8	137.1	119.3	120.2	120.7	119.8	120.0
22.5°	920.1	861.8	645.6	358.0	162.2	114.6	114.2	115.3	115.7	115.3	115.5
25°	955.6	878.4	601.6	265.8	117.1	108.8	109.9	111.5	112.6	112.6	112.6
27.5°	999.5	898.6	548.7	185.5	101.2	102.7	105.9	108.8	110.4	110.8	110.8
30°	1056.7	923.7	485.2	127.2	92.0	94.7	100.5	106.1	109.0	109.5	109.7
32.5°	1129.0	952.0	411.6	94.0	84.1	86.1	92.4	101.8	107.4	108.3	108.3
35°	1211.7	984.7	332.4	81.9	78.5	79.2	84.1	94.9	104.8	107.2	107.4
37.5°	1302.4	1017.0	252.8	76.5	73.8	73.8	77.4	86.6	98.2	105.9	106.8
40°	1386.9	1036.6	177.2	72.2	69.5	69.5	72.7	79.4	90.4	101.8	104.3
42.5°	1465.0	1043.3	123.4	68.2	65.5	66.2	68.9	74.2	82.5	94.0	96.2
45°	1545.3	1042.2	89.9	63.5	61.5	63.5	65.5	69.5	75.6	82.1	82.5
47.5°	1605.9	1032.7	71.3	59.0	57.6	60.3	62.1	64.8	68.2	67.7	67.7
50°	1662.6	1009.9	57.4	52.9	53.8	57.0	57.9	58.8	59.0	54.7	54.3
52.5°	1705.7	974.2	46.0	46.4	50.0	53.2	52.3	50.9	48.7	43.5	42.6
55°	1720.0	905.6	36.1	38.4	44.4	48.5	45.1	42.2	37.9	33.6	32.7
57.5°	1694.0	817.0	29.4	29.8	37.5	40.8	37.0	33.6	28.9	25.3	24.7
60°	1638.8	718.5	24.2	22.4	28.9	31.9	29.4	26.0	21.8	19.1	18.8
62.5°	1529.4	613.5	20.0	17.5	22.0	24.5	22.9	20.4	16.8	15.0	14.8
65°	1299.2	490.8	16.2	14.1	17.0	19.1	17.7	15.9	13.2	11.9	11.7
67.5°	906.9	331.8	13.2	11.7	13.5	15.0	13.9	13.0	10.5	10.3	10.5
70°	437.4	159.9	11.0	9.4	10.5	11.7	11.2	10.5	10.1	11.7	13.5
72.5°	125.4	53.6	8.7	7.9	8.5	9.2	9.6	9.4	11.0	14.1	16.4
73°	*96.5*	*43.3*	*8.3*	*7.4*	*8.1*	*9.0*	*9.4*	*9.2*	*11.2*	*14.4*	*16.4*
75°	41.3	20.9	6.3	6.1	6.7	7.9	8.3	8.3	11.2	14.6	15.7
77.5°	18.6	11.2	4.0	4.7	5.8	6.3	7.0	7.0	9.0	11.2	11.2
80°	10.5	6.1	3.1	3.6	4.3	4.3	4.3	3.8	4.0	4.5	4.9
82.5°	6.7	4.0	2.5	2.9	2.7	2.2	1.8	1.8	1.6	1.8	2.2
85°	3.8	2.2	2.2	1.8	1.1	0.9	1.1	0.9	0.2	0.0	0.2
87.5°	2.2	1.3	0.7	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

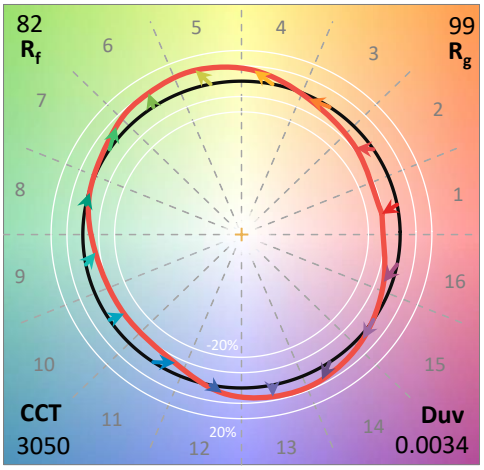
Test Information

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

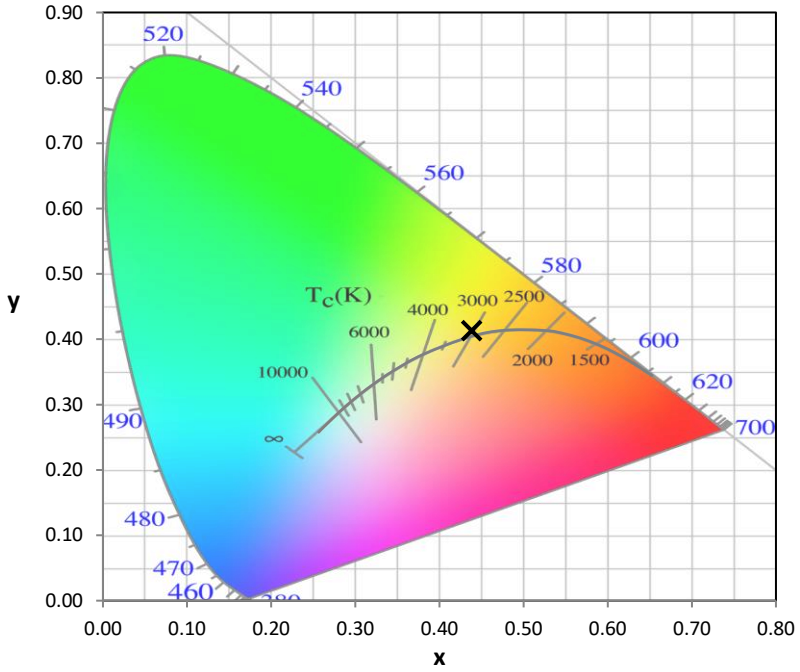
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

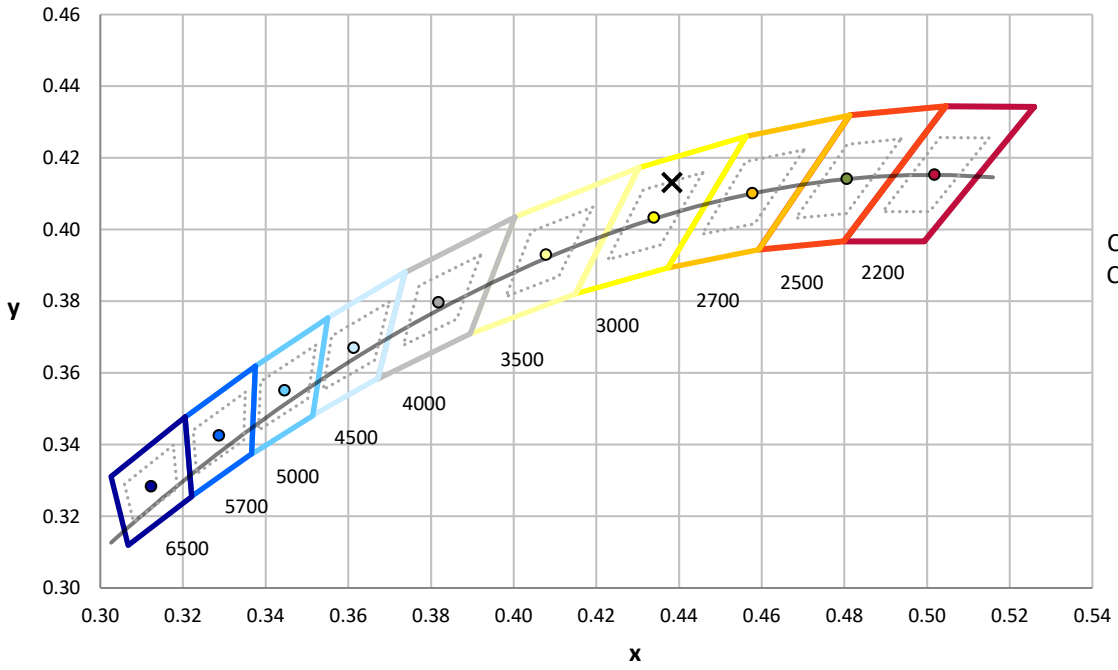
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

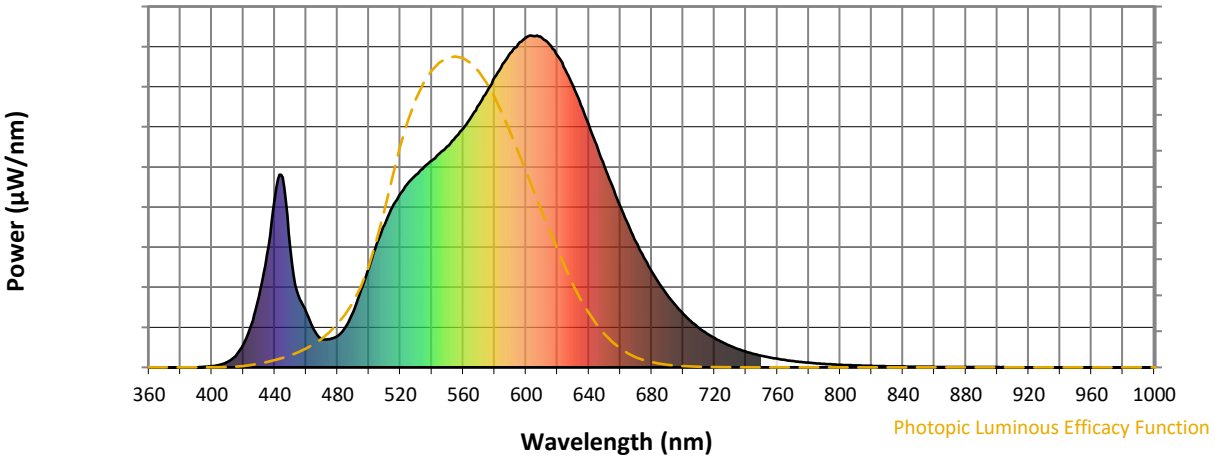


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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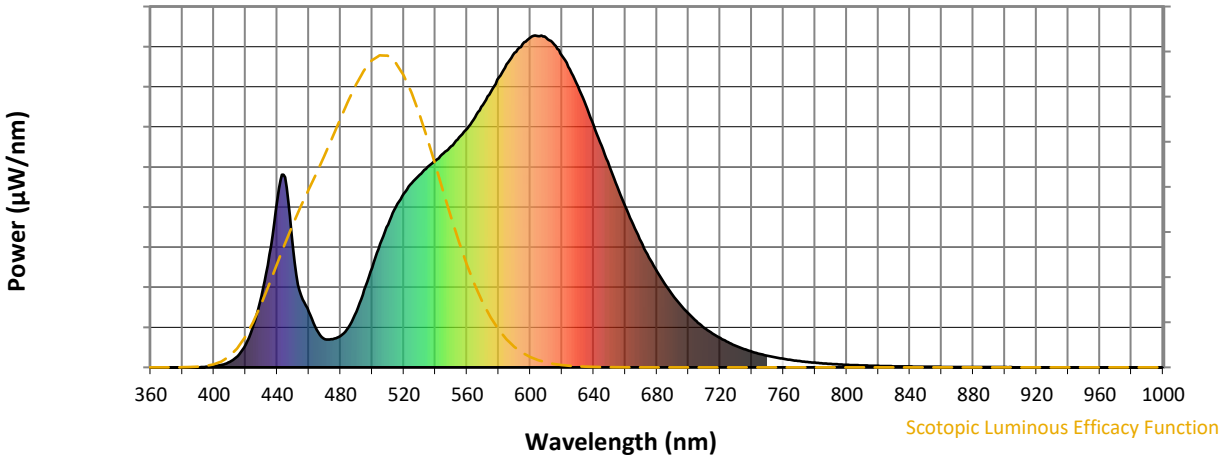
Scotopic Flux vs. Wavelength



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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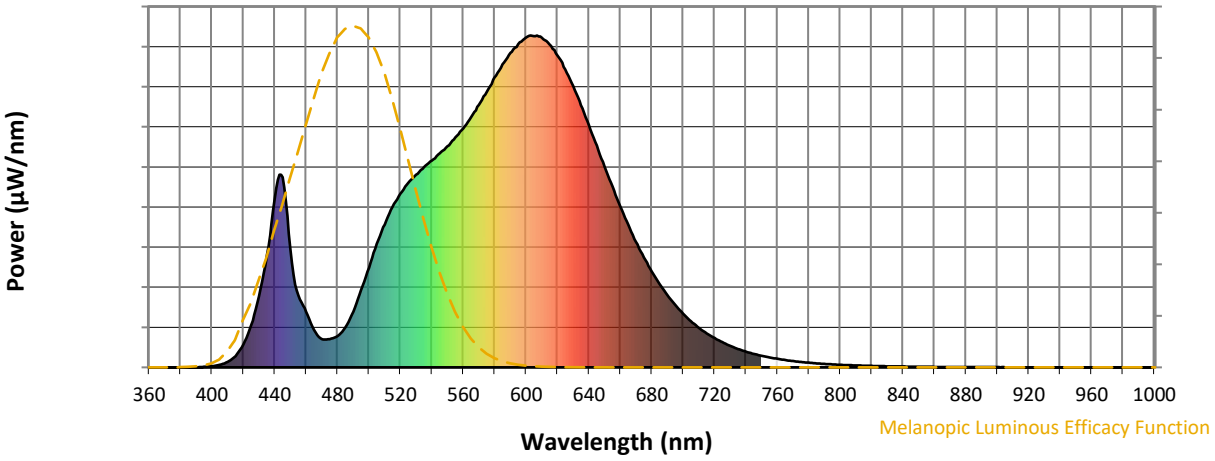
Melanopic Flux vs. Wavelength



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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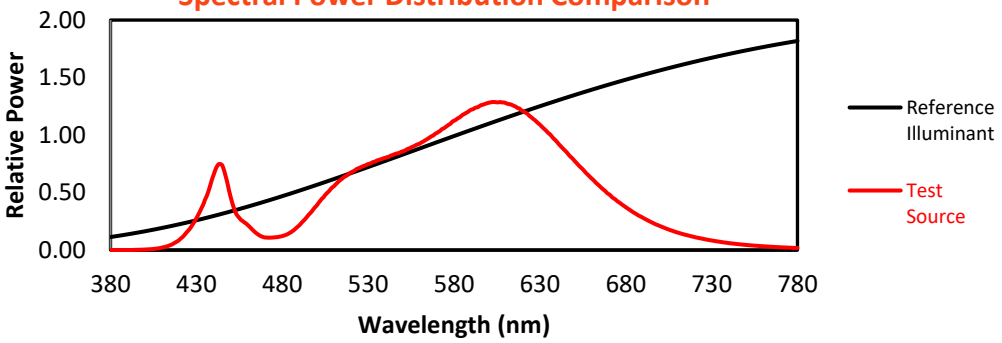
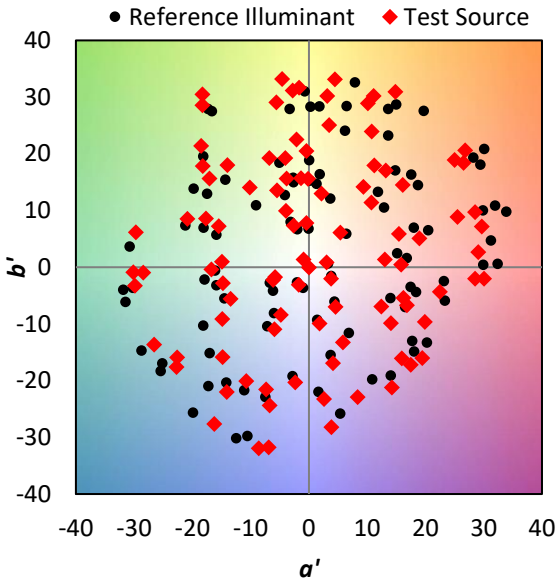
Summary

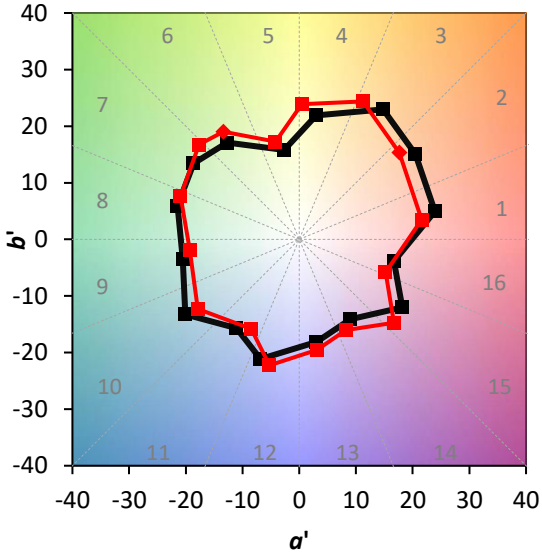
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

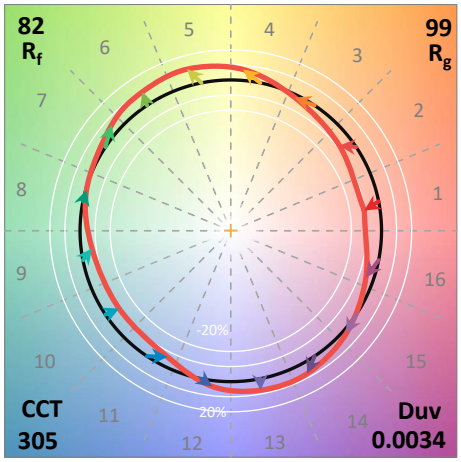
Spectral Power Distribution Comparison

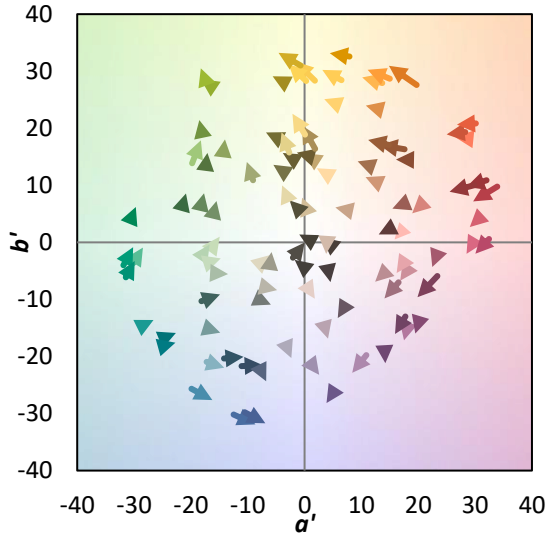


Color Vector Graphics









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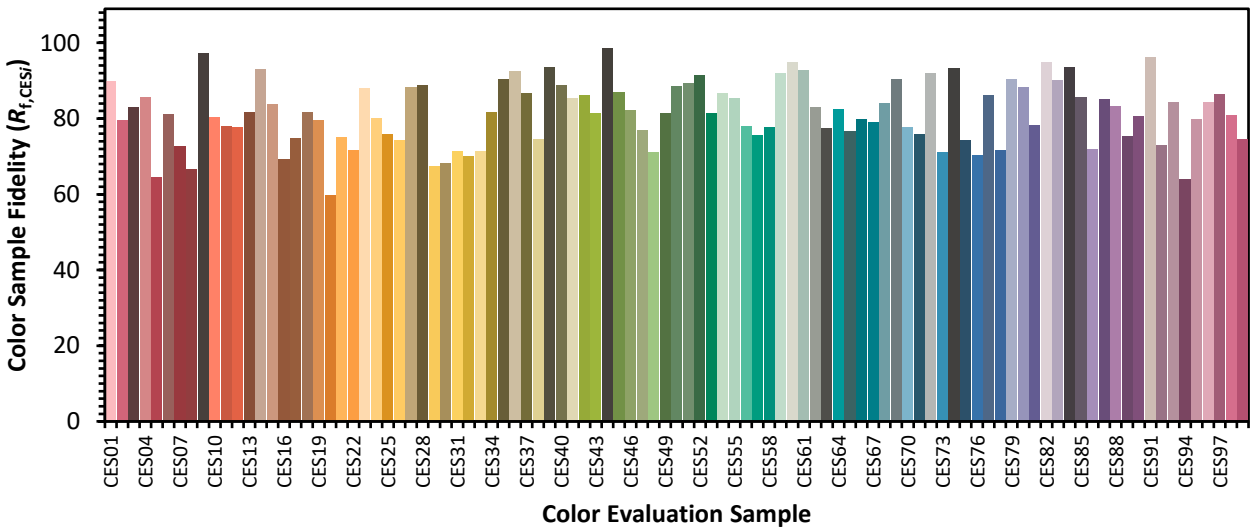
Individual Sample Fidelity Index ($R_{f,i}$)

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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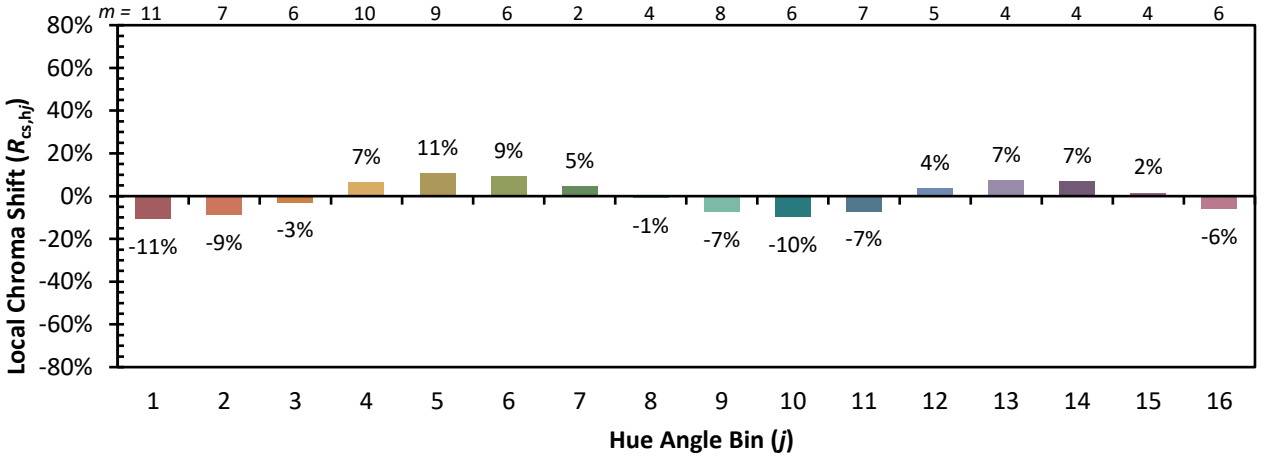
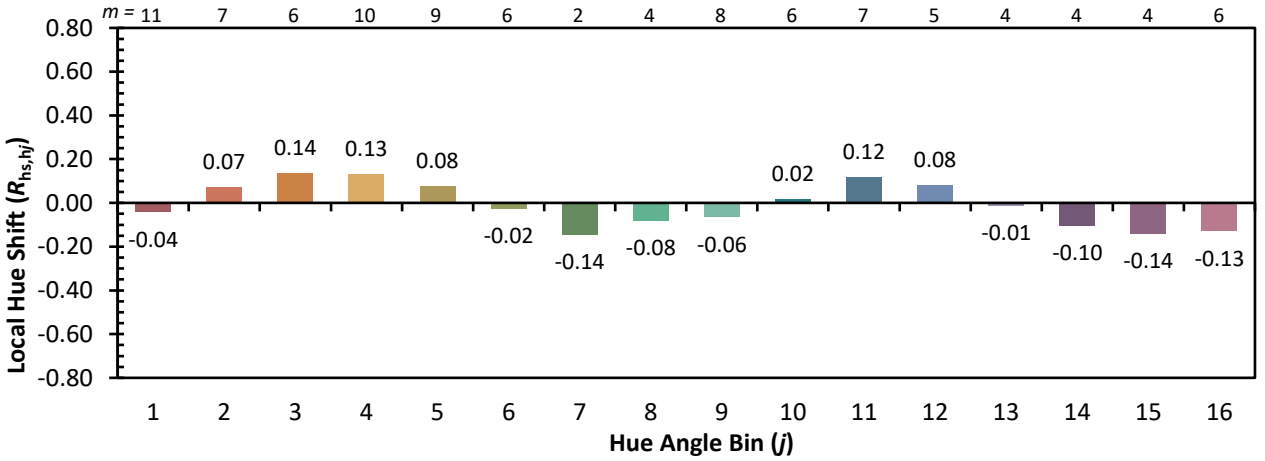
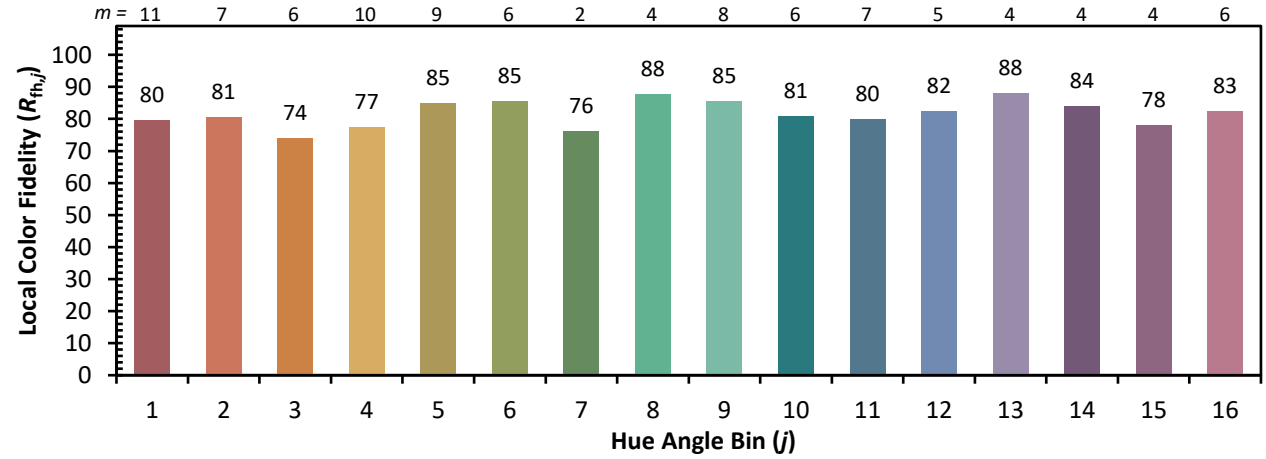
Color Rendition by Hue-Angle Bin







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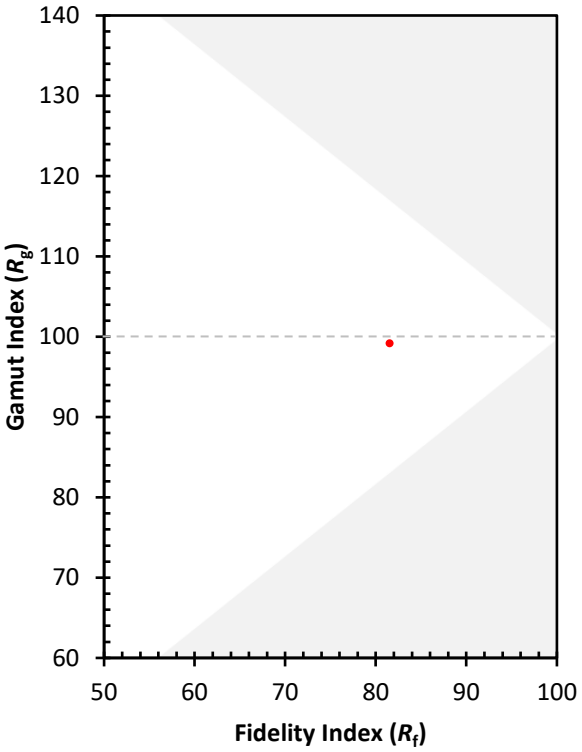
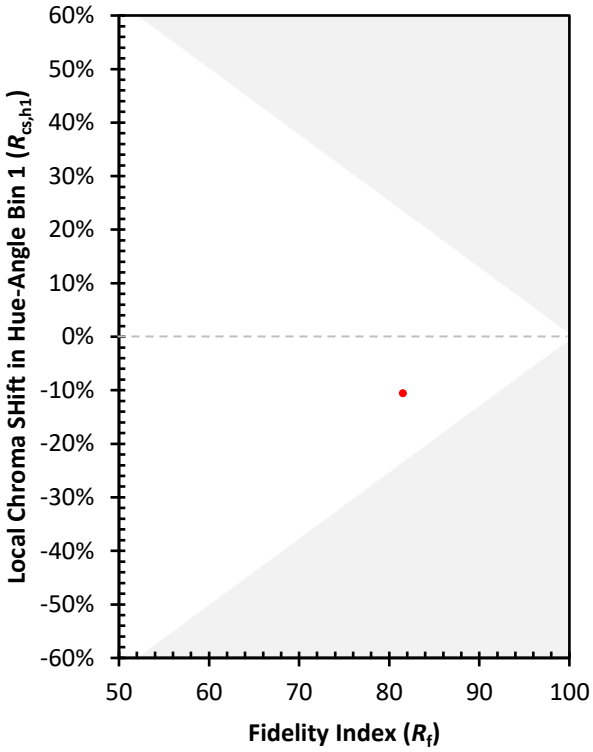
Measure Comparisons





(END OF REPORT)