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: P322065

Luminaire Tested: **GLEON-SA1A-830-U-T2-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:	P322065
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1A-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2758 lumens
Efficiency:	N/A
Efficacy:	81.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B0 - U0 - G1

Input Watts (W):	34
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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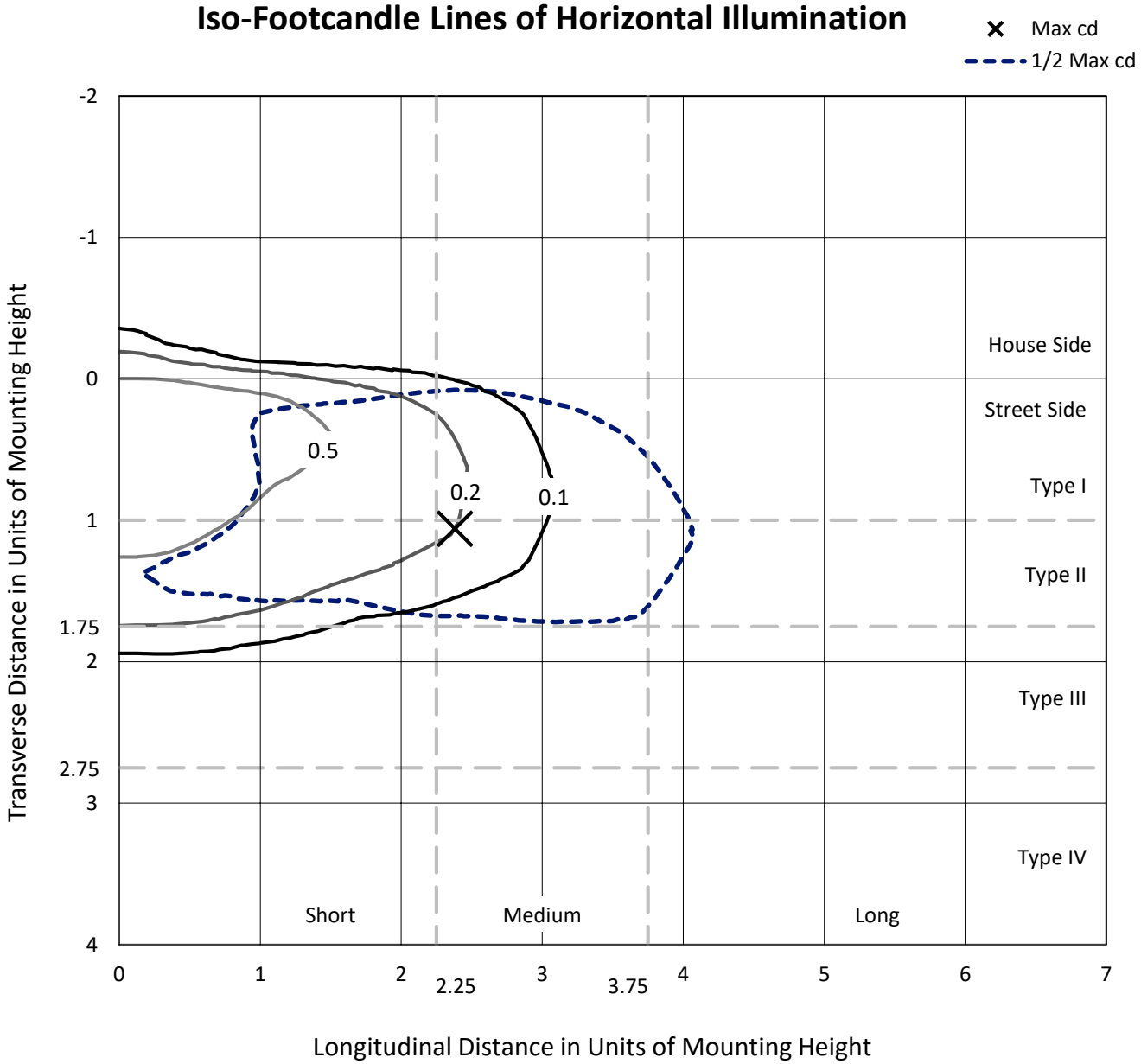
Scaled Data Report

REPORT NUMBER: P322065
CATALOG NUMBER: GLEON-SA1A-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type II - Medium - N/A

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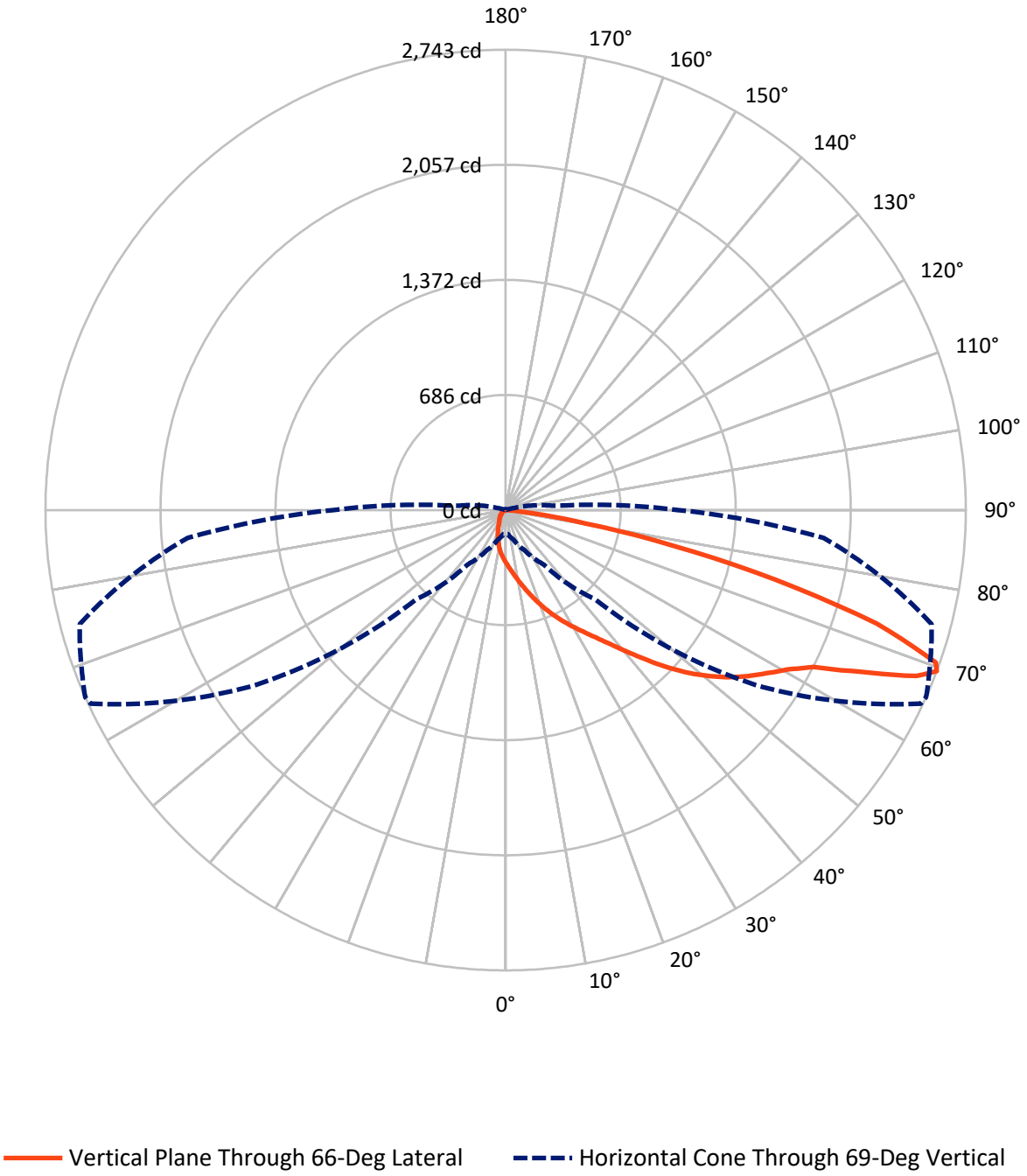
Luminous Intensity Polar Plot



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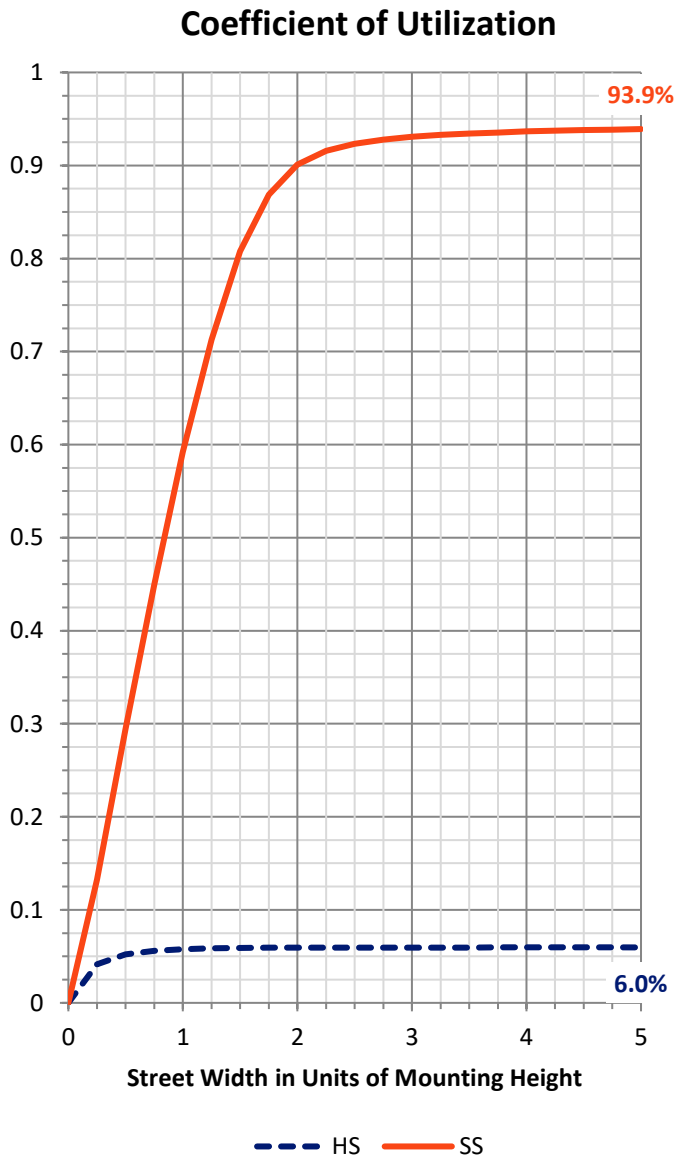
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	165.4	0.0	165.4
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	2592.6	0.0	2592.6
	% Fixture	94.0	0.0	94.0
Total	Lumens	2758.0	0.0	2758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	1.1
10°-20°	90.3	3.3
20°-30°	157.2	5.7
30°-40°	275.9	10.0
40°-50°	461.8	16.7
50°-60°	678.8	24.6
60°-70°	696.9	25.3
70°-80°	344.0	12.5
80°-90°	22.7	0.8
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°	2758.0	100.0
0°-180°	2758.0	100.0



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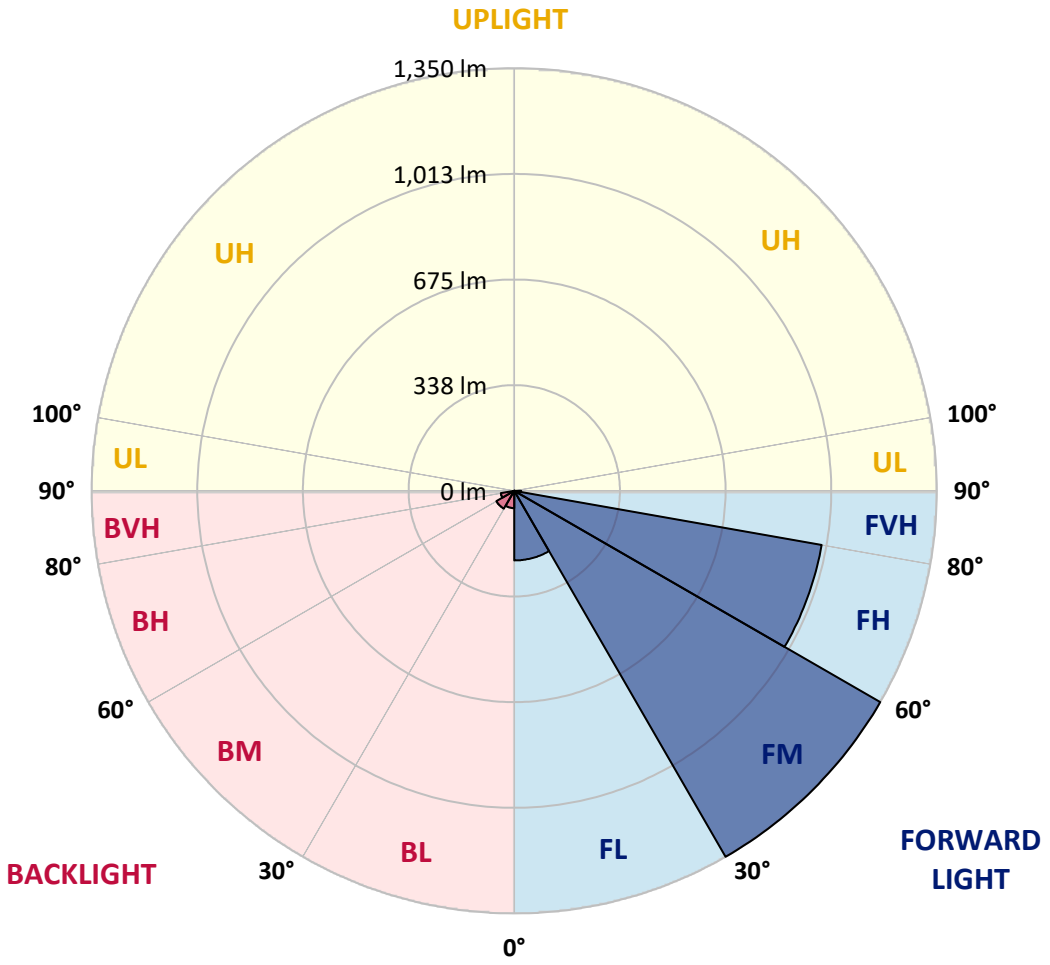
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	222.5	8.1			
FM	(30°-60°)	1350.5	49.0			
FH	(60°-80°)	997.4	36.2			G1/1800
FVH	(80°-90°)	22.2	0.8			G1/100
BL	(0°-30°)	55.3	2.0	B0/110		
BM	(30°-60°)	66.0	2.4	B0/220		
BH	(60°-80°)	43.6	1.6	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type II Medium



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Scaled Data Report

REPORT NUMBER: P322065
CATALOG NUMBER: GLEON-SA1A-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	*313.9*	313.9	313.9
2.5°	369.4	367.8	367.2	364.3	359.3	355.5	348.2	339.7	*338.1*	329.9	319.8
5°	417.4	416.0	415.1	411.1	406.0	396.4	383.0	367.2	*364.2*	348.5	328.3
7.5°	450.8	453.1	453.1	450.5	444.1	436.9	420.5	398.9	*395.1*	371.0	339.7
10°	470.3	473.2	475.4	477.6	476.7	473.8	458.4	434.0	*429.4*	397.4	352.9
12.5°	472.1	475.0	481.3	490.6	499.6	506.2	496.5	472.9	*467.7*	428.1	368.6
15°	461.9	464.9	474.6	492.7	514.6	533.7	536.8	516.0	*510.6*	464.6	388.3
17.5°	444.1	446.0	459.9	485.0	519.3	554.4	573.4	562.2	*557.3*	506.4	410.2
20°	430.8	432.3	444.5	471.3	516.4	567.3	608.0	611.4	*606.1*	551.2	433.9
22.5°	453.5	456.1	456.5	469.2	508.5	573.8	638.3	659.7	*655.8*	598.8	457.2
25°	515.5	518.5	508.5	500.7	515.2	576.6	664.4	709.2	*706.1*	650.0	480.6
27.5°	597.3	600.5	587.7	564.2	550.2	587.5	687.6	759.5	*759.4*	704.2	505.9
30°	677.8	680.9	667.8	644.4	612.1	618.3	707.6	812.2	*813.0*	760.2	532.8
32.5°	762.1	766.1	752.6	722.4	688.8	671.5	735.8	865.1	*869.6*	825.0	563.0
35°	858.0	858.6	839.6	808.0	769.2	742.6	781.0	924.4	*935.1*	905.3	601.4
37.5°	952.1	955.9	940.3	890.5	854.9	824.8	848.2	998.6	*1013.7*	1003.4	651.6
40°	1021.8	1029.8	1027.5	973.8	940.0	918.6	931.7	1086.8	*1105.9*	1117.7	714.9
42.5°	1065.5	1071.6	1081.8	1049.4	1018.8	1022.3	1030.2	1189.5	*1213.0*	1247.9	787.6
45°	1115.7	1118.6	1127.1	1112.8	1092.1	1127.8	1134.7	1305.1	*1329.9*	1387.9	868.2
47.5°	1177.0	1183.8	1186.2	1173.1	1163.6	1221.0	1235.4	1410.3	*1445.0*	1537.9	953.7
50°	1255.1	1256.9	1261.0	1252.5	1243.0	1301.2	1325.8	1520.7	*1552.3*	1688.4	1037.9
52.5°	1331.5	1338.0	1352.2	1346.8	1343.0	1369.4	1406.4	1620.3	*1655.5*	1813.9	1122.0
55°	1353.5	1359.1	1408.0	1441.4	1472.3	1453.5	1483.4	1709.5	*1747.6*	1926.1	1202.9
57.5°	1265.6	1277.0	1361.6	1448.6	1576.8	1584.3	1589.3	1801.1	*1835.3*	2012.0	1287.2
60°	1043.4	1045.6	1184.5	1333.7	1559.5	1698.4	1743.8	1899.5	*1928.1*	2092.0	1388.0
62.5°	663.6	686.3	838.6	1049.3	1376.6	1681.9	1930.8	2048.3	*2058.8*	2188.0	1532.7
65°	316.1	330.8	440.5	648.3	997.2	1470.6	2059.8	2317.5	*2322.2*	2378.4	1725.9
67.5°	175.0	182.1	234.4	349.0	582.9	1040.0	2007.7	2636.3	*2640.8*	2572.8	1895.4
69°	*136.9*	*142.9*	*184.1*	*263.0*	*395.2*	*747.5*	*1816.8*	*2729.7*	*2743.0*	*2628.5*	*1901.4*
70°	116.2	122.1	158.5	222.2	317.8	577.6	1617.2	2706.5	*2720.5*	2623.2	1856.5
72.5°	71.1	74.5	105.6	156.4	213.0	290.6	997.3	2288.9	*2312.6*	2406.3	1595.5
75°	47.9	49.8	66.0	107.9	152.3	149.6	518.1	1613.4	*1664.7*	1871.8	1178.5
77.5°	34.3	36.0	44.3	69.8	106.8	98.8	234.6	1002.7	*1013.7*	1122.6	642.7
80°	19.5	21.1	31.3	41.5	72.4	65.9	93.3	478.9	*484.4*	481.4	214.6
82.5°	10.2	11.5	17.2	27.4	46.5	43.1	38.8	160.3	*161.1*	134.0	47.0
85°	2.0	2.4	8.5	18.7	24.0	18.7	15.9	37.6	*38.4*	33.9	11.7
87.5°	0.0	0.1	3.4	4.2	4.7	4.8	5.1	7.3	*7.9*	10.6	3.1
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: P322065
CATALOG NUMBER: GLEON-SA1A-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9	313.9
2.5°	315.3	310.6	301.6	291.1	283.0	275.0	268.7	262.1	259.8	258.6	258.5
5°	318.5	308.5	289.4	269.7	253.6	238.4	227.5	217.2	212.3	210.1	209.2
7.5°	323.7	307.7	276.9	246.9	223.7	204.7	189.7	178.4	172.8	170.4	169.5
10°	329.9	306.7	262.4	222.8	193.2	173.6	158.6	147.5	141.3	138.7	137.4
12.5°	337.1	304.8	245.6	198.5	167.2	147.5	129.4	115.7	108.6	105.6	104.1
15°	346.0	303.0	228.1	175.5	144.2	120.3	100.5	91.2	89.7	89.2	89.3
17.5°	354.7	300.1	208.9	152.9	120.1	93.9	83.8	83.3	83.6	83.6	83.6
20°	362.6	293.6	188.1	133.5	97.2	79.3	77.2	76.2	75.6	75.1	74.4
22.5°	368.8	284.8	168.1	114.2	79.4	72.6	69.3	66.4	64.1	62.5	61.7
25°	372.9	273.1	149.7	95.8	71.4	66.0	60.1	55.3	51.6	49.4	48.5
27.5°	376.1	260.6	133.4	80.2	65.9	58.4	50.7	44.9	41.1	39.2	38.4
30°	378.3	246.3	118.9	70.5	59.7	50.4	42.2	36.5	33.8	32.7	32.2
32.5°	380.4	230.4	105.3	65.9	54.0	43.1	35.4	31.0	29.3	28.0	27.6
35°	385.7	215.8	92.4	61.0	48.1	36.8	30.4	27.2	25.5	24.8	24.5
37.5°	398.1	204.9	79.9	56.1	42.2	31.8	26.6	24.4	22.8	22.0	21.7
40°	418.1	199.4	69.4	50.7	36.4	28.0	24.1	22.0	20.3	19.1	18.9
42.5°	447.6	200.2	62.1	45.3	31.8	25.0	21.7	19.3	17.4	16.4	16.1
45°	483.4	205.9	57.0	40.1	28.0	22.7	19.1	16.5	14.8	13.9	13.6
47.5°	522.2	215.2	52.8	35.4	25.0	20.4	16.5	13.8	12.3	11.5	11.4
50°	563.0	224.3	48.5	30.8	22.4	18.2	13.9	11.4	10.2	9.6	9.3
52.5°	604.4	234.7	44.5	26.6	20.2	15.6	11.5	9.3	8.4	7.9	7.6
55°	649.0	242.6	40.7	23.3	17.9	13.2	9.6	7.7	6.9	6.3	6.2
57.5°	701.4	254.8	36.8	20.2	15.3	11.0	7.9	6.2	5.5	4.8	4.7
60°	772.1	269.1	32.6	17.8	12.6	9.0	6.4	5.0	4.2	3.7	3.5
62.5°	865.4	284.9	27.4	15.6	10.2	7.3	5.1	3.9	3.0	2.4	2.4
65°	983.7	310.7	22.4	13.1	8.4	6.0	3.9	2.9	1.7	1.0	1.0
67.5°	1052.7	315.2	18.1	10.7	6.8	5.1	3.3	2.0	0.5	0.1	0.0
69°	*1030.6*	*289.4*	*15.3*	*9.2*	*5.9*	*4.8*	*3.0*	*1.4*	*0.3*	*0.0*	*0.0*
70°	988.9	264.6	13.5	8.1	5.4	4.6	2.9	1.0	0.3	0.0	0.0
72.5°	817.2	188.4	10.2	6.0	3.9	4.1	2.6	0.7	0.3	0.0	0.0
75°	595.3	114.5	7.3	4.2	2.5	3.0	1.8	0.3	0.1	0.0	0.0
77.5°	331.2	54.0	4.6	2.4	1.6	1.8	0.9	0.0	0.0	0.0	0.0
80°	107.5	14.7	2.1	1.3	0.9	1.0	0.4	0.0	0.0	0.0	0.0
82.5°	19.9	4.2	1.2	0.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0
85°	4.3	1.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.5	0.1	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

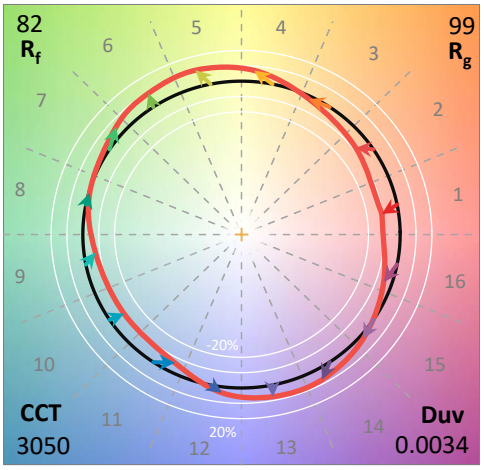
Test Information

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

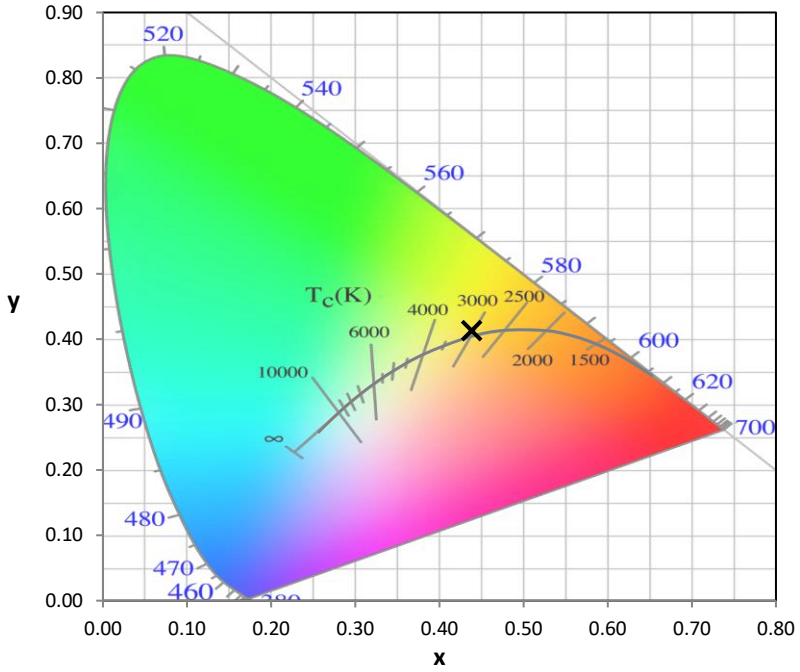
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

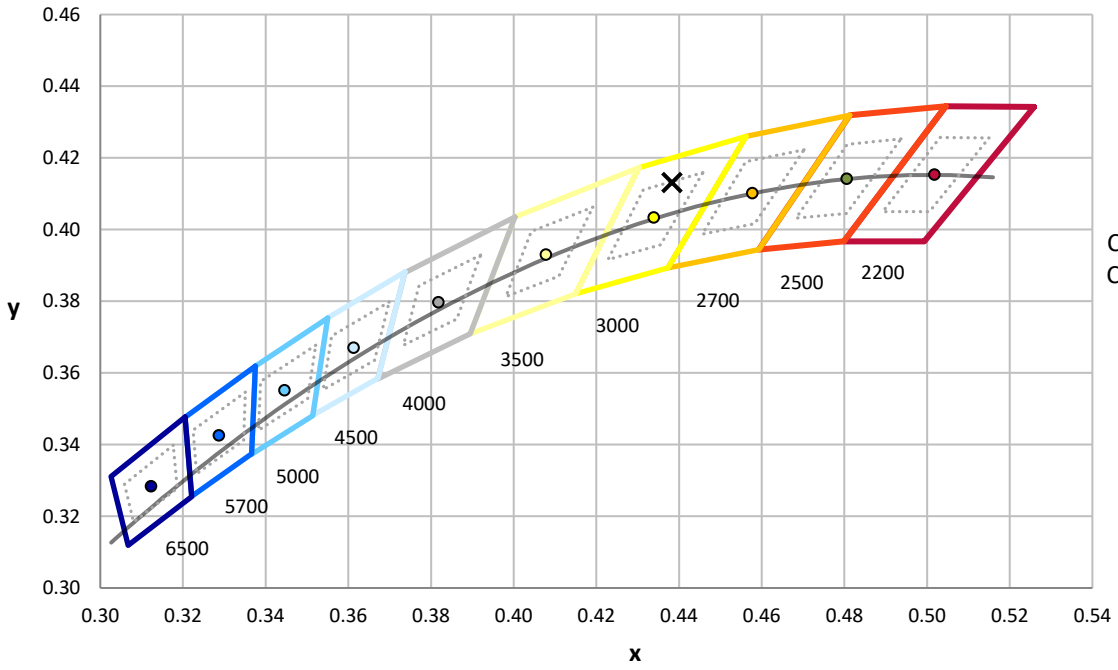
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

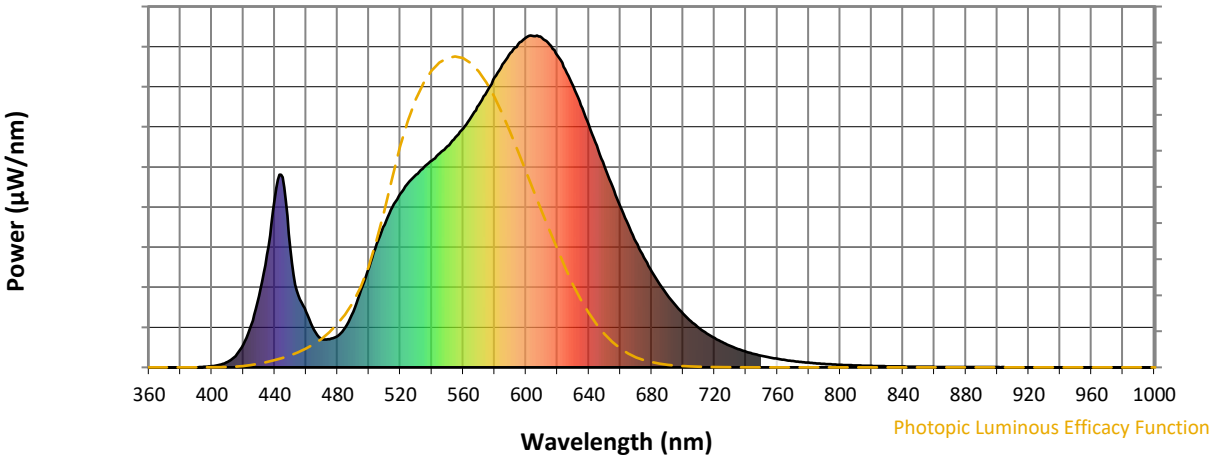


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

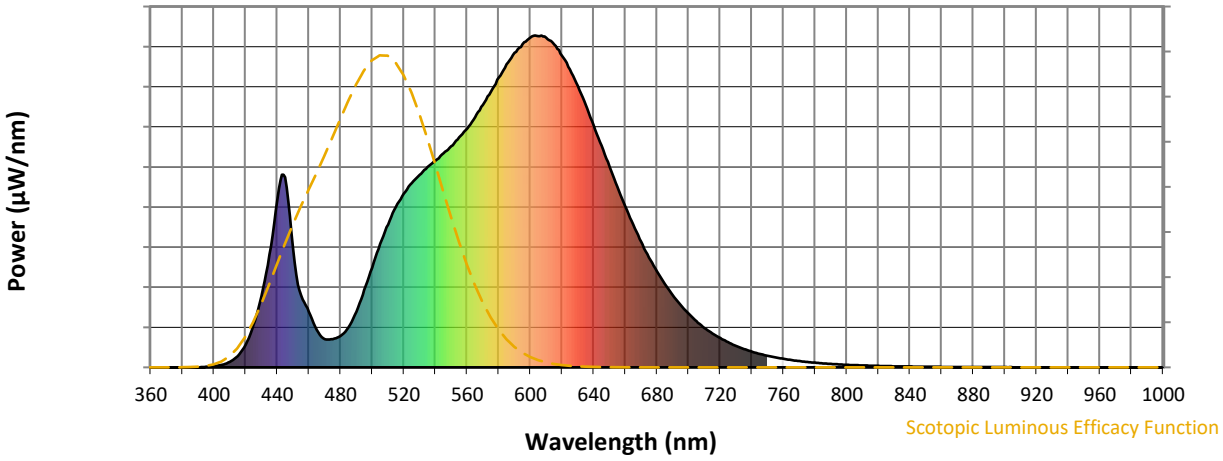


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

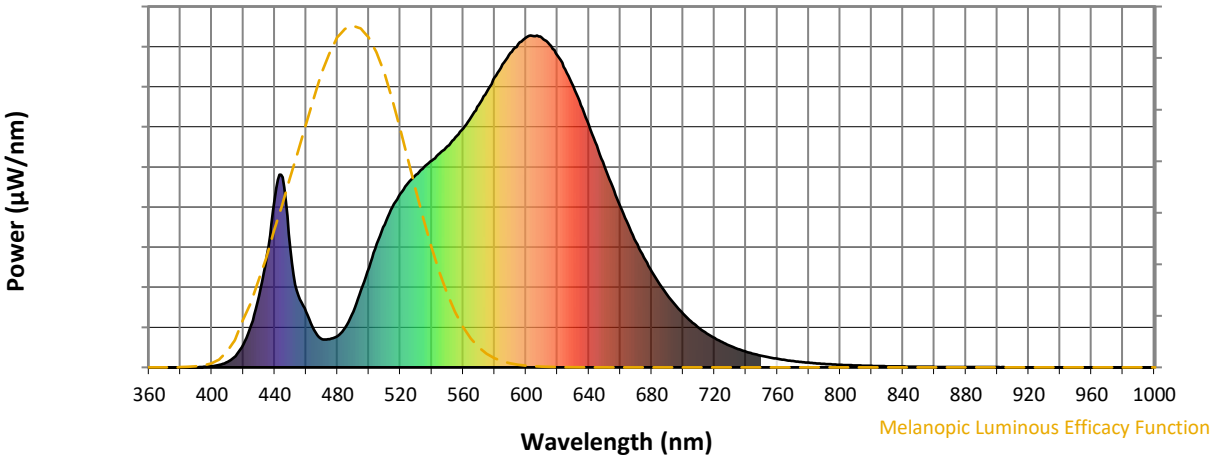


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

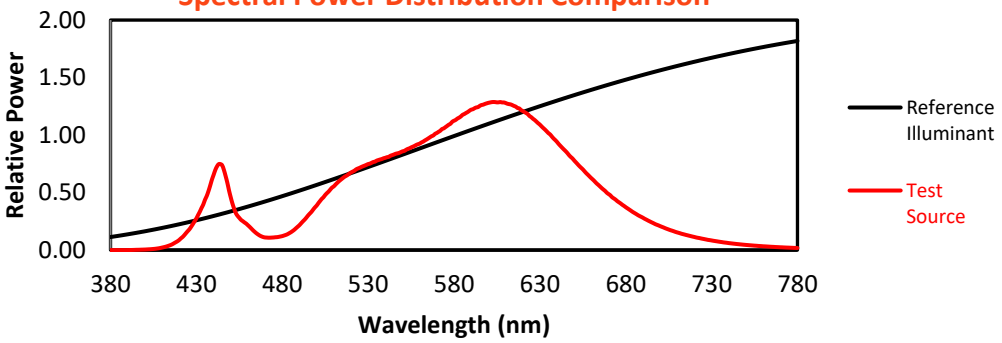
REPORT NUMBER: SP1-2408-195-9

TM-30-18

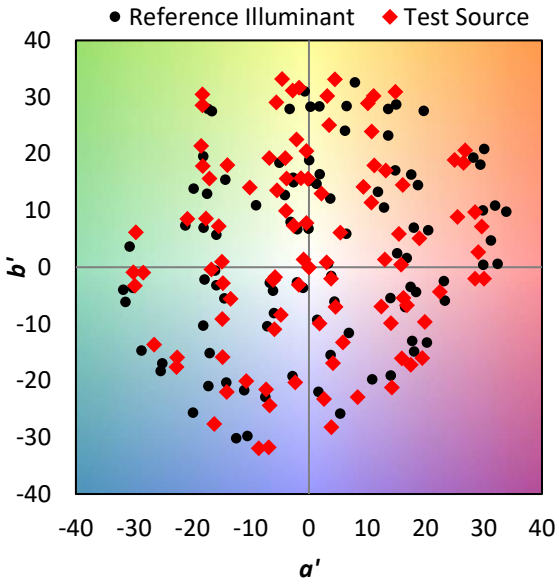
Summary

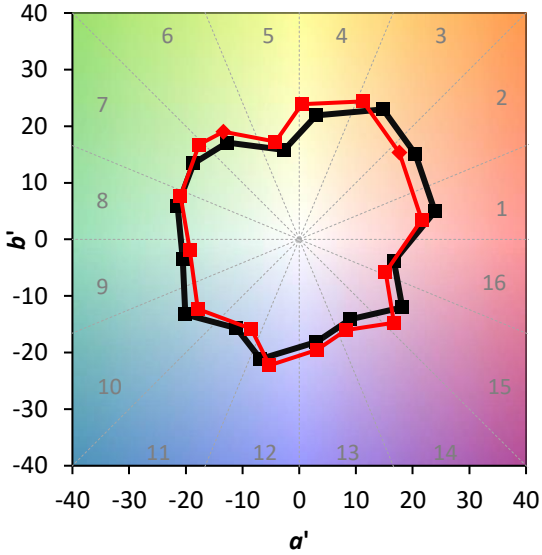
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

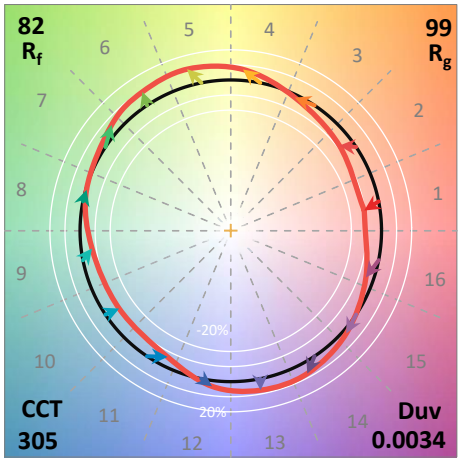
Spectral Power Distribution Comparison

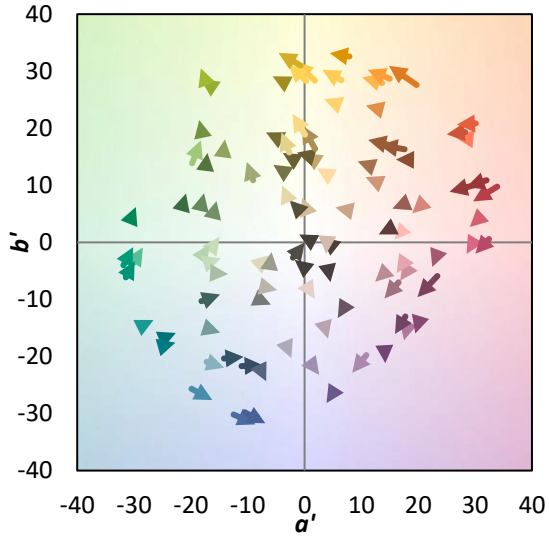


Color Vector Graphics







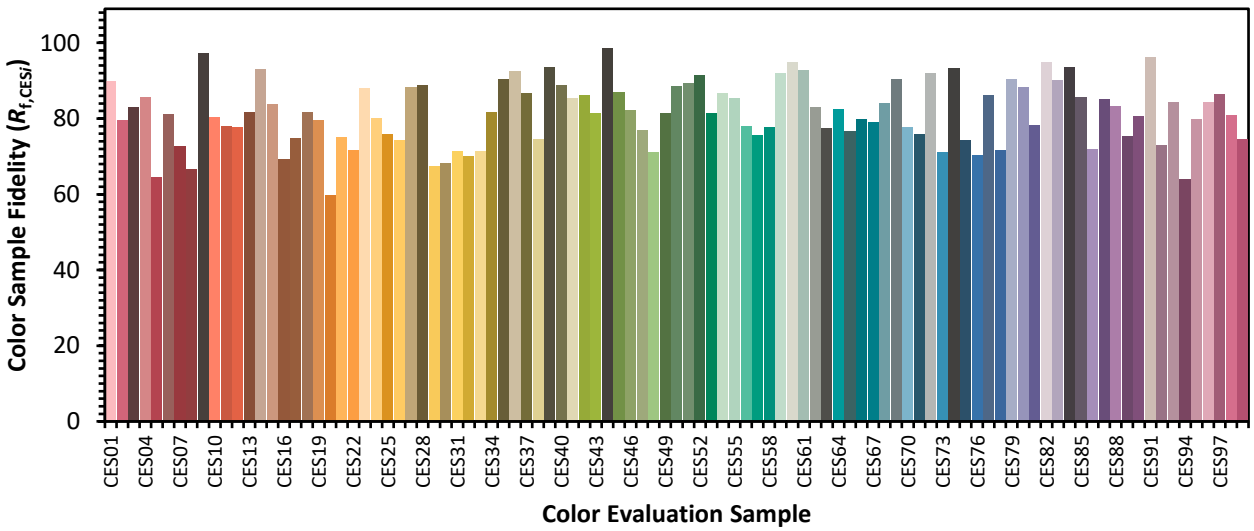


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

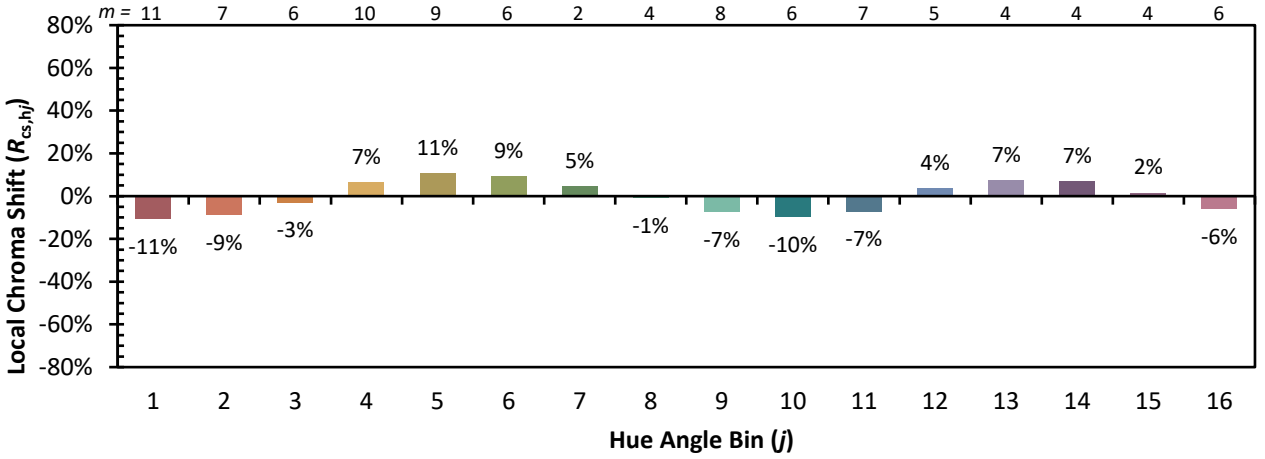
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

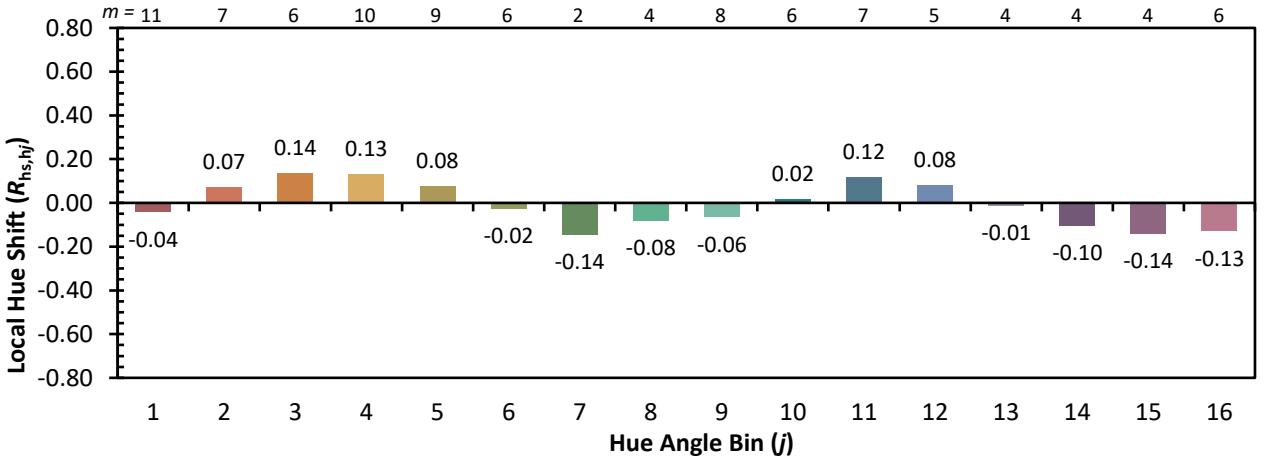


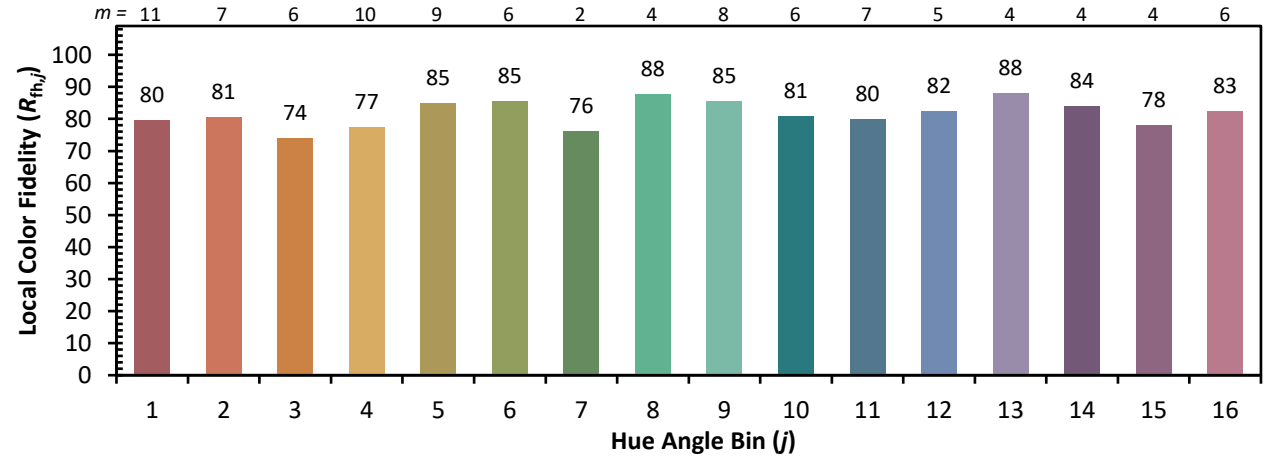
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



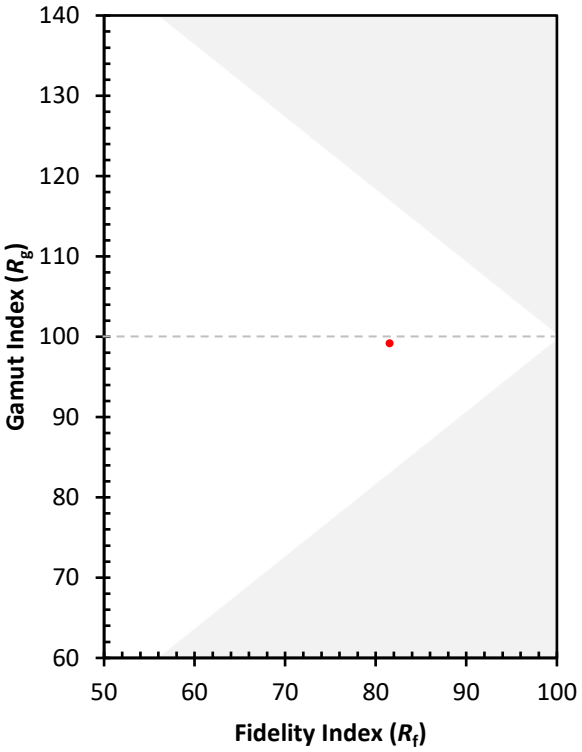


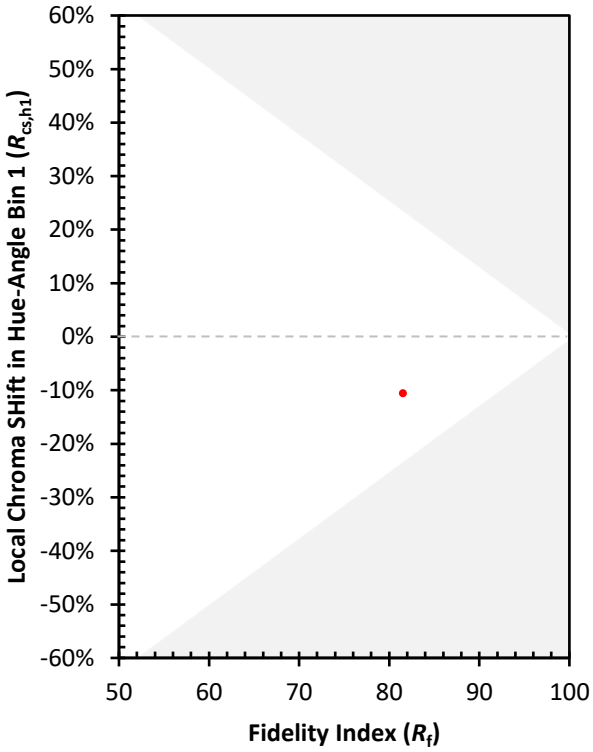


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)