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: P323995

Luminaire Tested: **GLEON-SA1B-830-U-SL4-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:	P323995
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1B-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3860 lumens
Efficiency:	N/A
Efficacy:	87.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

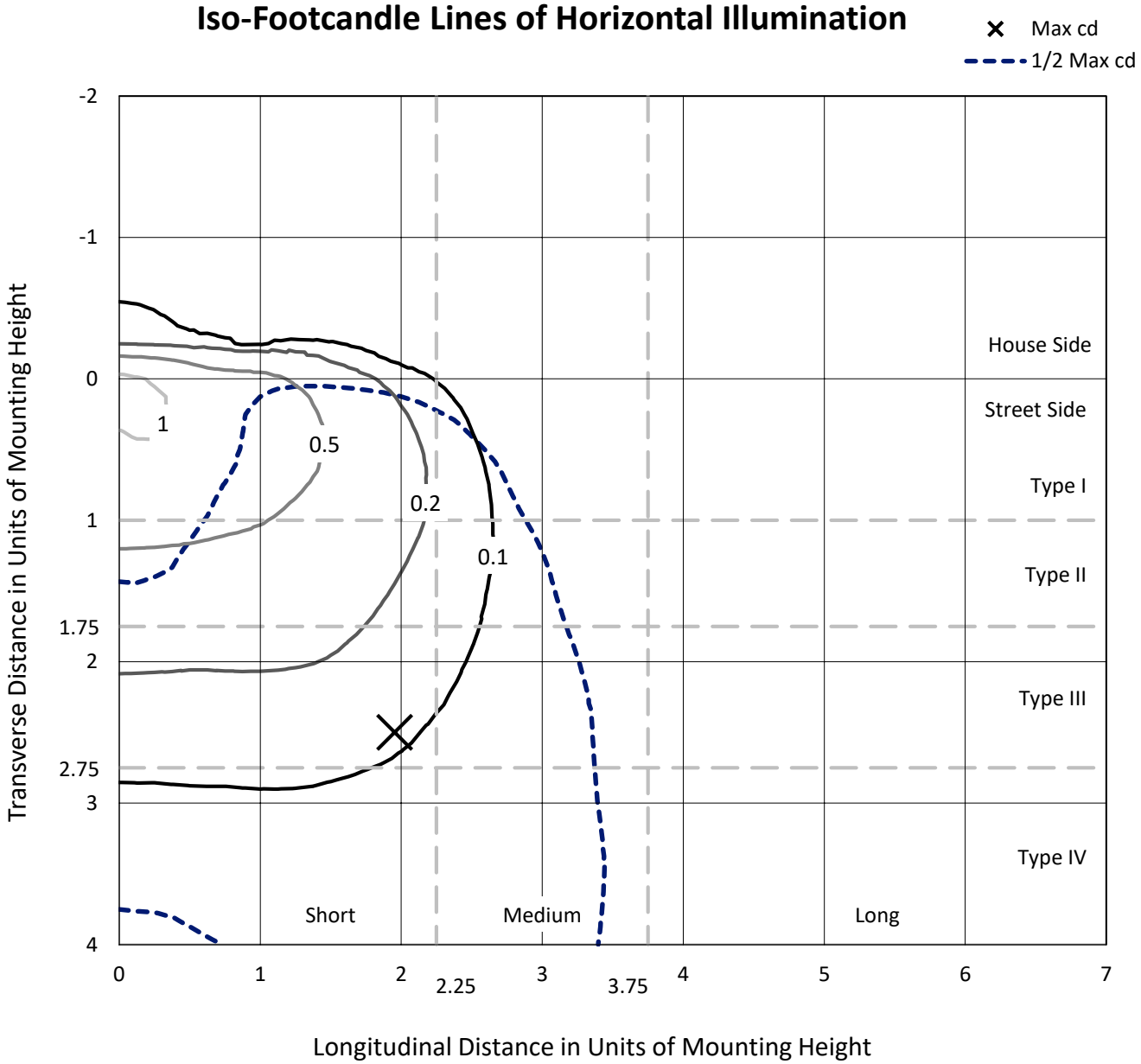
Input Watts (W):	44
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P323995
CATALOG NUMBER: GLEON-SA1B-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



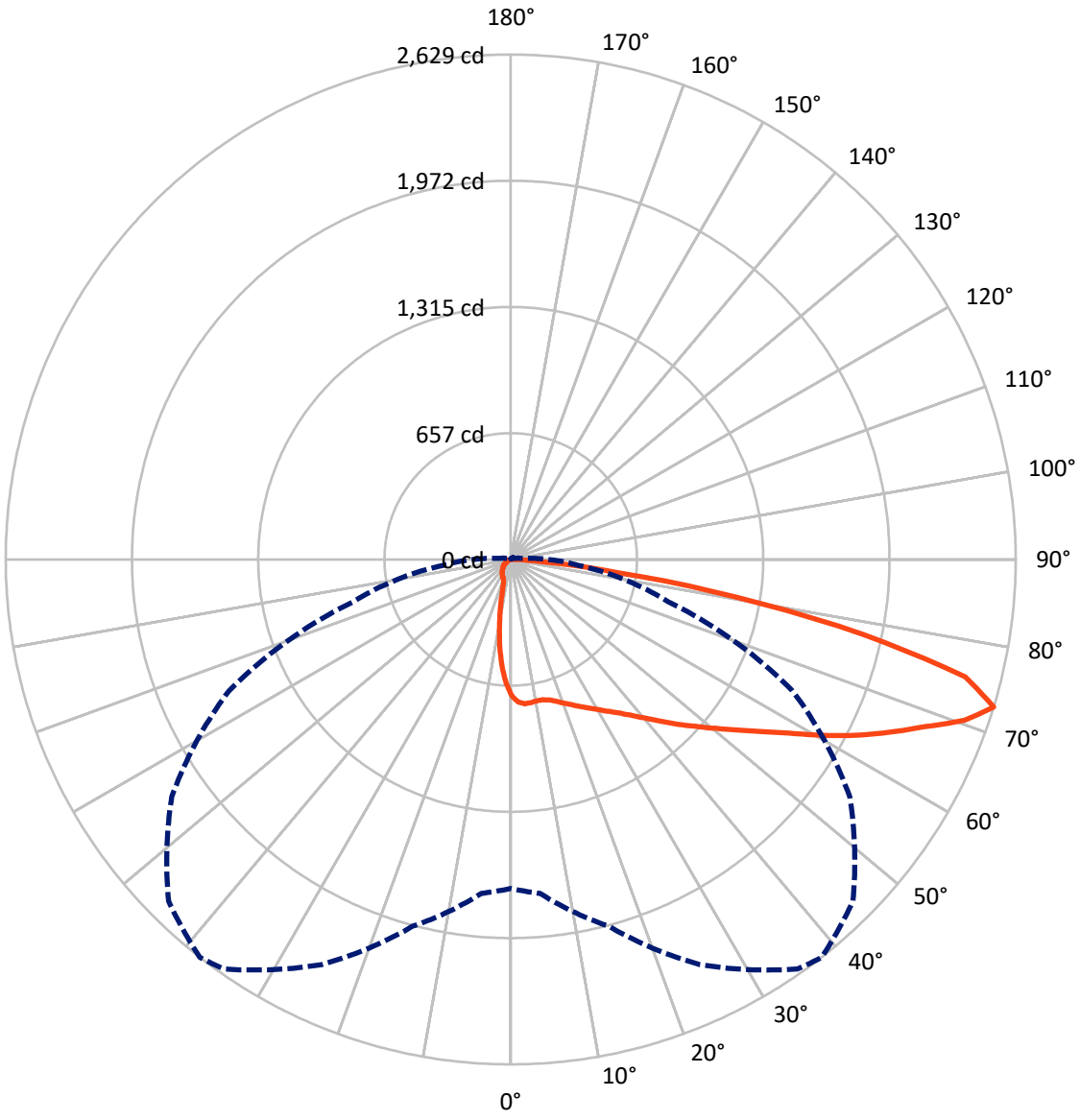
Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P323995
CATALOG NUMBER: GLEON-SA1B-830-U-SL4-HSS

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

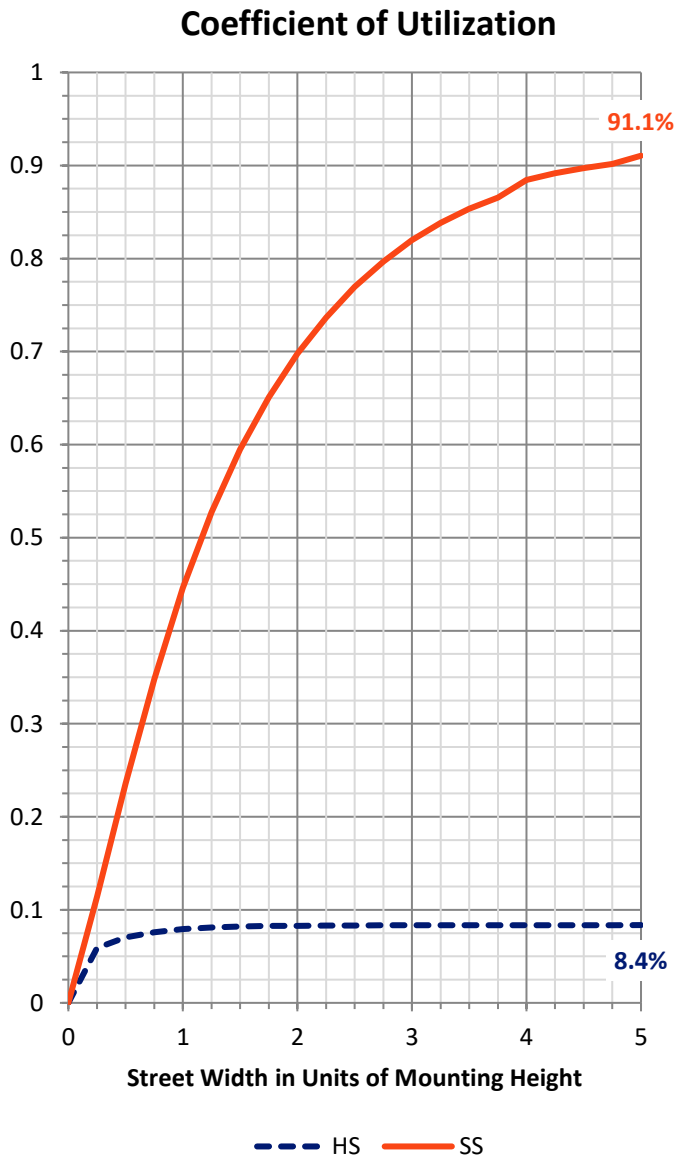
REPORT NUMBER: P323995
CATALOG NUMBER: GLEON-SA1B-830-U-SL4-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	324.8	0.0	324.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3535.2	0.0	3535.2
	% Fixture	91.6	0.0	91.6
Total	Lumens	3860.0	0.0	3860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	1.6
10°-20°	147.9	3.8
20°-30°	235.3	6.1
30°-40°	353.7	9.2
40°-50°	539.6	14.0
50°-60°	762.6	19.8
60°-70°	956.6	24.8
70°-80°	715.2	18.5
80°-90°	88.7	2.3
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°	3860.0	100.0
0°-180°	3860.0	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

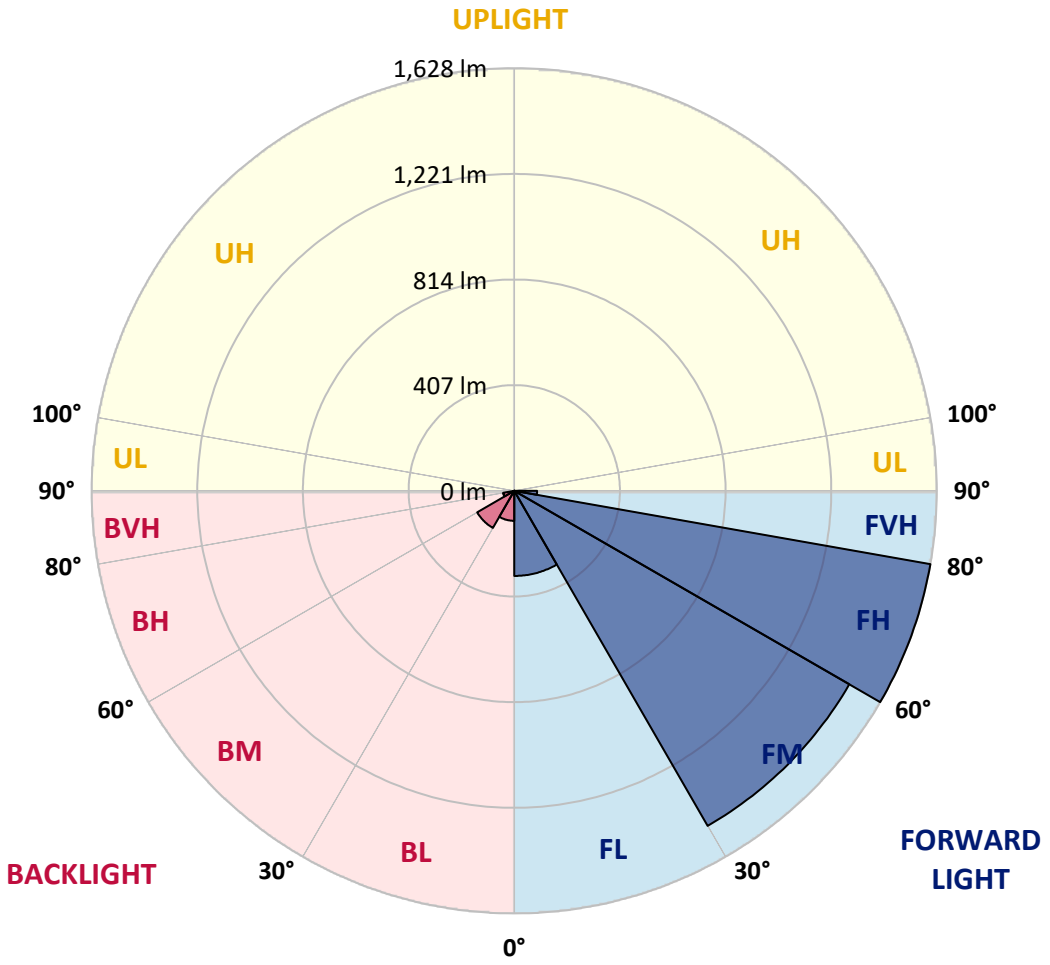
Scaled Data Report

REPORT NUMBER: P323995
CATALOG NUMBER: GLEON-SA1B-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	328.0	8.5			
FM	(30°-60°)	1490.9	38.6			
FH	(60°-80°)	1628.4	42.2			G1/1800
FVH	(80°-90°)	87.9	2.3			G1/100
BL	(0°-30°)	115.7	3.0	B1/500		
BM	(30°-60°)	165.0	4.3	B0/220		
BH	(60°-80°)	43.4	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-G1
Type IV Short



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P323995
CATALOG NUMBER: GLEON-SA1B-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8
2.5°	753.4	753.6	751.8	749.0	745.3	743.3	740.1	735.0	729.6	719.8	709.2
5°	768.8	768.8	766.6	762.7	756.8	755.0	749.0	740.8	729.6	713.7	695.9
7.5°	767.2	767.6	764.5	760.5	754.6	753.0	745.6	736.5	722.5	703.3	680.5
10°	758.9	759.7	757.3	755.4	749.9	748.2	741.3	732.1	718.2	697.7	671.5
12.5°	750.4	751.2	752.0	753.8	750.4	749.8	744.3	736.6	723.3	702.0	672.5
15°	744.9	746.6	752.3	759.2	760.0	759.4	755.8	748.6	735.2	713.0	679.4
17.5°	744.9	747.5	759.5	772.7	777.3	777.8	774.8	764.7	748.6	724.9	685.8
20°	751.2	754.7	773.5	792.1	799.8	799.8	793.8	779.7	761.0	735.7	690.1
22.5°	767.2	771.9	795.4	816.9	825.1	823.3	815.3	794.8	773.8	747.8	695.6
25°	798.8	802.3	826.9	848.5	853.5	849.5	839.4	813.1	790.2	764.3	705.5
27.5°	839.5	840.0	865.3	883.6	880.6	877.8	865.2	836.0	813.7	787.9	722.7
30°	884.3	884.3	906.5	920.5	911.2	908.9	896.3	863.7	843.9	820.0	747.0
32.5°	927.5	929.5	947.6	956.4	946.0	943.7	931.4	898.8	883.9	868.9	785.0
35°	969.4	970.8	988.0	992.8	982.8	983.5	974.7	947.1	941.5	939.6	842.3
37.5°	1009.9	1010.3	1027.7	1030.8	1025.8	1031.3	1032.1	1007.7	1018.1	1033.7	922.9
40°	1047.0	1047.3	1064.6	1072.5	1081.0	1088.0	1094.3	1081.3	1115.7	1151.8	1018.9
42.5°	1076.6	1080.0	1102.0	1116.9	1139.3	1152.8	1169.8	1169.1	1232.0	1286.1	1135.0
45°	1102.8	1108.5	1139.1	1165.3	1203.7	1225.2	1251.8	1272.7	1362.8	1435.7	1252.5
47.5°	1137.2	1142.7	1177.6	1220.4	1271.7	1299.9	1344.0	1389.1	1506.6	1582.6	1367.3
50°	1185.8	1183.4	1217.9	1279.3	1345.1	1382.2	1445.0	1512.5	1649.2	1710.5	1434.8
52.5°	1237.6	1236.6	1262.1	1343.2	1431.7	1475.0	1558.0	1640.1	1785.7	1798.6	1465.7
55°	1301.7	1294.8	1316.3	1416.2	1534.5	1581.0	1678.7	1766.4	1894.4	1848.3	1481.2
57.5°	1368.9	1357.5	1378.0	1497.4	1650.4	1705.4	1812.4	1889.5	1966.7	1882.3	1481.1
60°	1438.3	1424.8	1449.2	1599.1	1794.3	1858.0	1957.4	1972.7	2034.1	1899.5	1470.2
62.5°	1496.3	1488.3	1524.5	1707.8	1955.1	2017.6	2066.8	2048.4	2091.1	1912.8	1444.7
65°	1557.7	1558.2	1616.7	1834.6	2126.0	2168.2	2172.3	2146.5	2138.7	1910.1	1358.4
67.5°	1640.7	1648.4	1746.1	2006.7	2292.2	2324.8	2324.5	2252.8	2173.4	1801.7	1167.2
70°	1728.6	1746.7	1895.2	2203.7	2473.7	2506.7	2489.7	2320.4	2046.5	1456.9	826.1
72.5°	1713.8	1745.3	1978.0	2328.0	2604.0	2629.2	2518.8	2154.2	1617.5	846.7	351.7
75°	1322.2	1358.6	1813.7	2204.9	2467.3	2444.7	2164.2	1676.3	883.9	236.3	79.2
77.5°	698.5	717.9	1198.1	1679.7	1923.8	1876.6	1524.5	929.9	269.5	58.5	35.6
80°	365.8	370.3	522.1	953.0	1187.4	1187.7	903.5	408.5	111.1	30.0	23.9
82.5°	195.9	199.7	275.9	440.4	622.2	564.0	345.9	224.8	64.6	17.0	22.9
85°	47.1	47.9	156.5	201.2	244.6	174.7	102.8	188.7	17.5	9.9	18.6
87.5°	18.1	18.4	58.0	87.0	62.4	40.4	48.1	70.4	2.2	3.8	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P323995
CATALOG NUMBER: GLEON-SA1B-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8
2.5°	702.8	698.6	688.4	675.4	663.8	655.5	643.0	634.8	629.4	629.2	627.1
5°	685.0	676.5	654.4	628.1	604.2	582.7	557.4	537.4	522.4	520.0	514.9
7.5°	665.9	652.0	618.0	576.9	536.9	496.2	448.9	419.5	394.4	382.3	381.1
10°	654.2	634.7	586.4	527.1	464.3	398.0	336.2	293.4	262.4	253.6	247.0
12.5°	651.8	626.0	562.0	480.3	390.5	303.0	234.5	189.0	164.3	156.5	154.4
15°	654.2	622.0	541.5	434.0	315.8	215.0	157.4	131.0	121.7	119.4	119.3
17.5°	655.7	617.2	518.3	382.5	243.3	153.6	120.6	112.9	111.4	111.3	111.6
20°	655.5	609.8	490.5	325.1	181.0	120.7	109.0	107.4	107.1	107.2	107.1
22.5°	654.4	601.2	460.1	266.0	136.7	107.9	104.0	103.1	102.9	102.9	102.9
25°	656.5	594.3	426.6	209.4	112.7	102.0	99.6	98.7	98.6	98.6	98.3
27.5°	664.0	590.4	389.9	161.1	101.8	96.7	94.7	94.6	94.1	93.9	94.3
30°	676.2	590.4	349.6	125.4	95.2	91.2	89.8	89.5	89.3	89.1	89.3
32.5°	697.7	594.9	305.7	104.2	89.0	85.1	84.2	84.6	84.2	84.2	84.2
35°	736.5	608.4	259.7	90.9	82.4	79.2	78.2	78.9	78.6	78.6	78.4
37.5°	793.0	633.4	213.4	82.9	76.6	73.3	72.0	72.9	72.6	72.6	72.5
40°	862.0	669.8	169.3	76.8	71.0	67.5	66.4	66.8	66.0	66.0	66.4
42.5°	947.1	715.9	130.8	70.9	65.4	62.0	61.4	60.9	59.5	58.7	58.8
45°	1041.7	764.0	102.0	65.1	60.1	57.4	56.4	55.1	52.7	51.1	51.3
47.5°	1126.2	801.1	82.9	59.5	55.3	53.2	51.8	49.4	45.8	43.9	44.1
50°	1170.6	806.7	70.5	53.9	50.8	48.7	46.6	43.0	38.8	36.7	36.6
52.5°	1181.9	780.4	61.4	48.7	46.3	43.9	41.2	36.2	31.6	29.3	29.0
55°	1186.1	740.3	53.2	43.9	41.5	38.8	35.3	29.7	25.3	23.1	22.9
57.5°	1172.3	680.5	46.8	39.6	36.7	33.3	29.0	23.7	19.6	17.8	17.8
60°	1141.7	599.5	41.8	34.9	31.7	27.9	23.4	18.4	14.6	13.1	13.1
62.5°	1080.6	494.7	37.2	30.1	27.1	23.1	18.9	13.9	10.3	9.5	9.6
65°	965.4	375.3	32.5	25.8	23.1	19.1	14.7	9.9	6.9	6.9	7.2
67.5°	787.3	260.7	27.7	22.0	19.9	15.5	11.2	6.9	4.8	5.5	6.1
70°	521.2	146.2	23.7	18.1	17.0	12.3	8.3	4.6	3.8	5.1	6.3
72.5°	*196.7*	*56.9*	*19.9*	*14.6*	*14.7*	*9.5*	*5.9*	*3.5*	*3.5*	*5.6*	*7.4*
75°	54.8	27.9	14.3	10.7	11.5	6.9	4.3	3.0	3.4	6.4	8.7
77.5°	32.2	20.5	9.3	6.3	7.9	4.8	2.9	2.4	2.9	5.5	8.3
80°	26.0	10.9	5.5	3.2	4.3	2.7	1.9	1.4	0.8	2.1	4.3
82.5°	26.0	6.6	2.6	2.2	2.2	1.4	1.0	0.6	0.2	0.0	1.1
85°	17.5	2.7	1.6	1.4	1.1	0.5	0.3	0.2	0.0	0.0	0.0
87.5°	2.9	1.1	0.6	0.3	0.2	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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

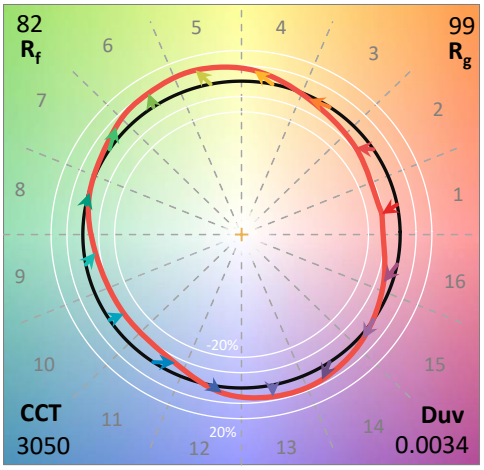
Test Information

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

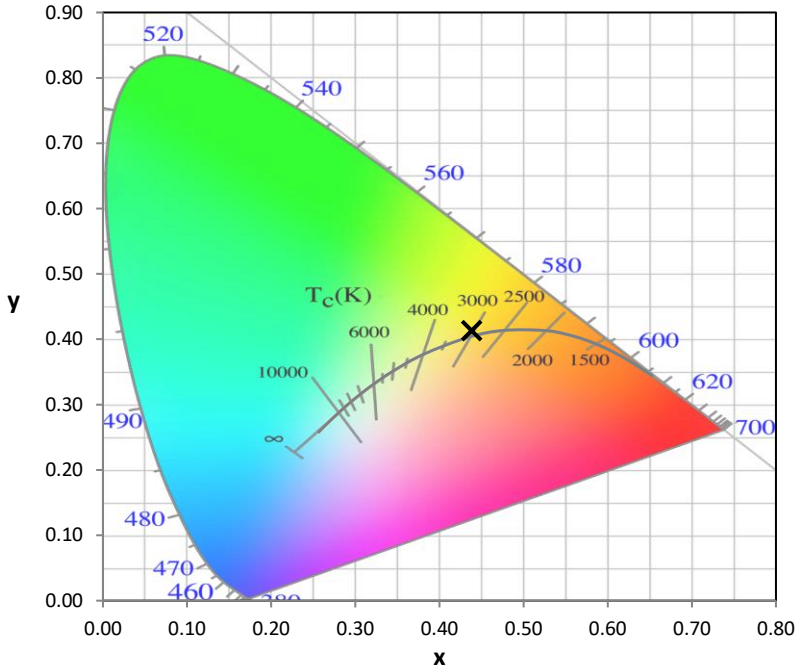
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

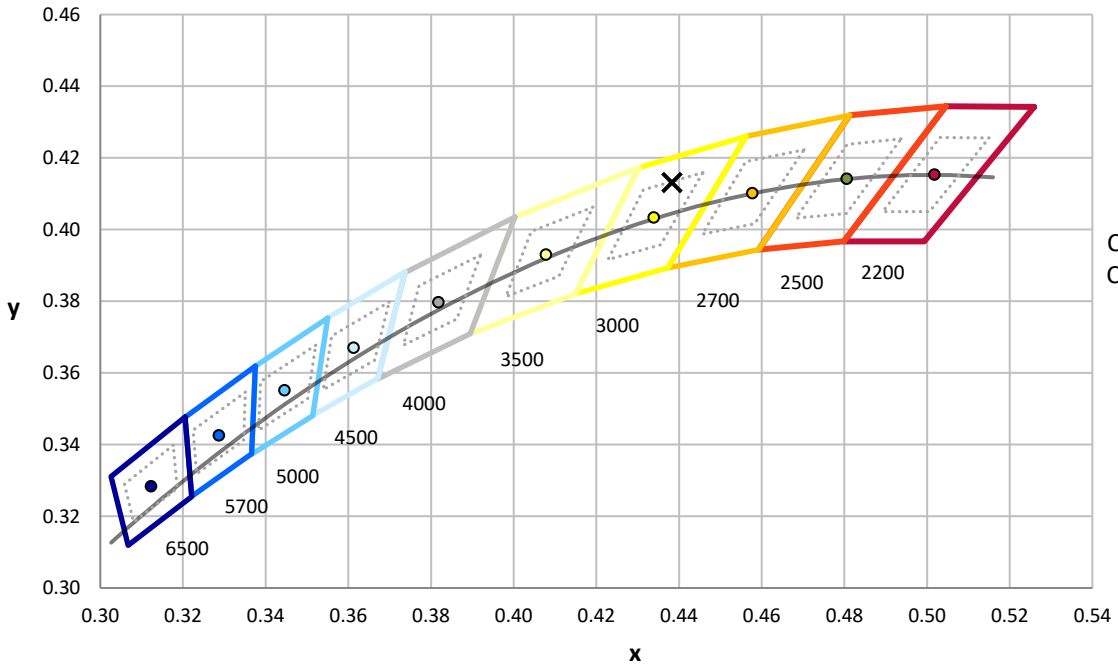
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

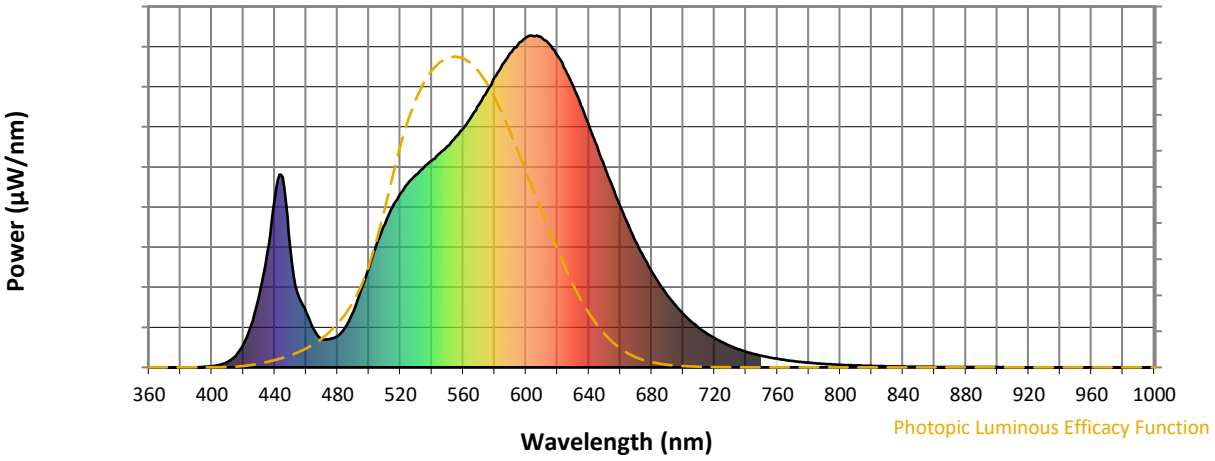


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

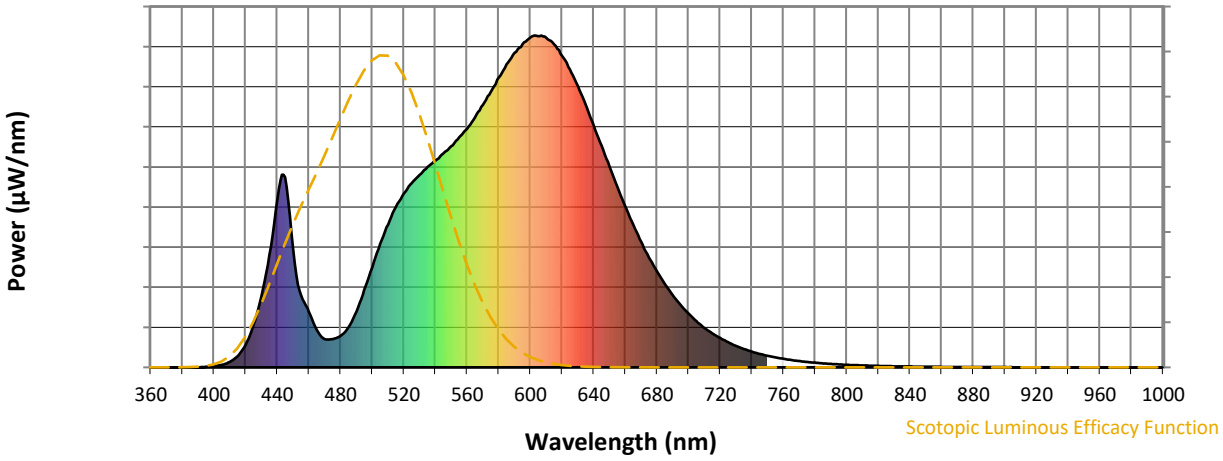


Photopic Lumens: NR

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

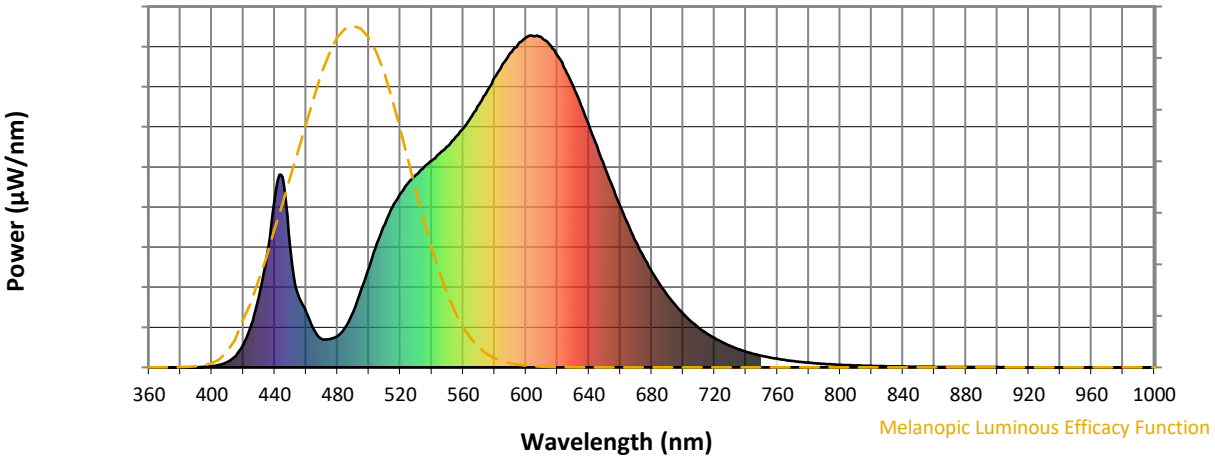


Scotopic Lumens: NR **S/P: 1.27**

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			

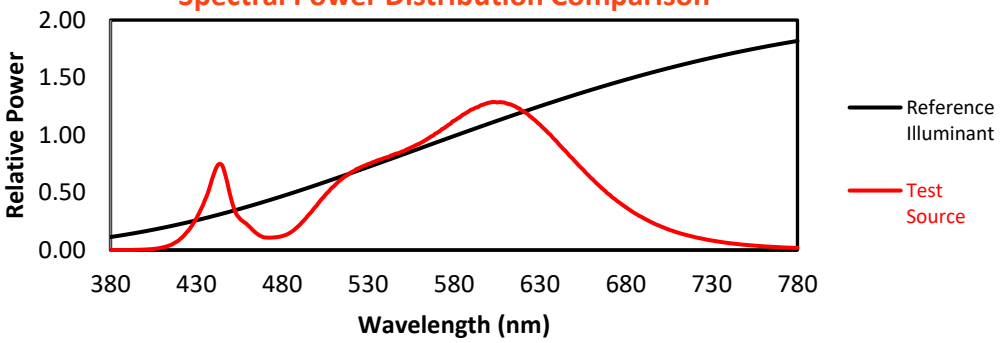
REPORT NUMBER: SP1-2408-195-9

TM-30-18

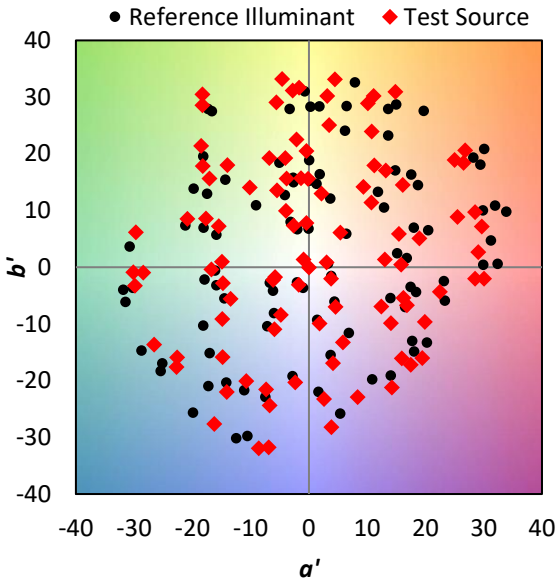
Summary

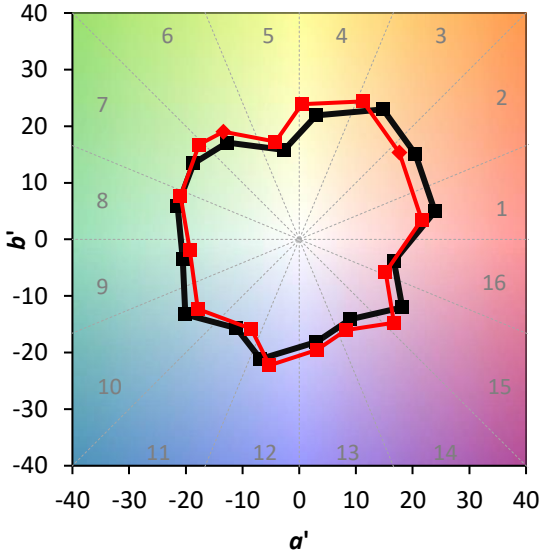
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

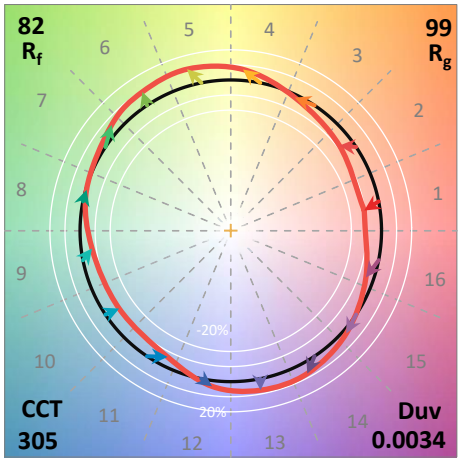
Spectral Power Distribution Comparison

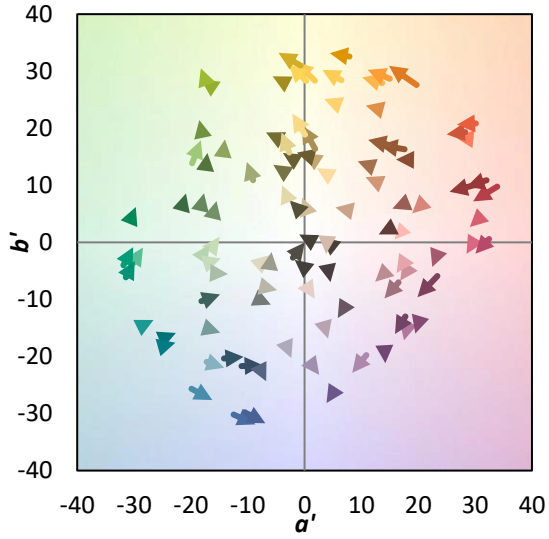


Color Vector Graphics







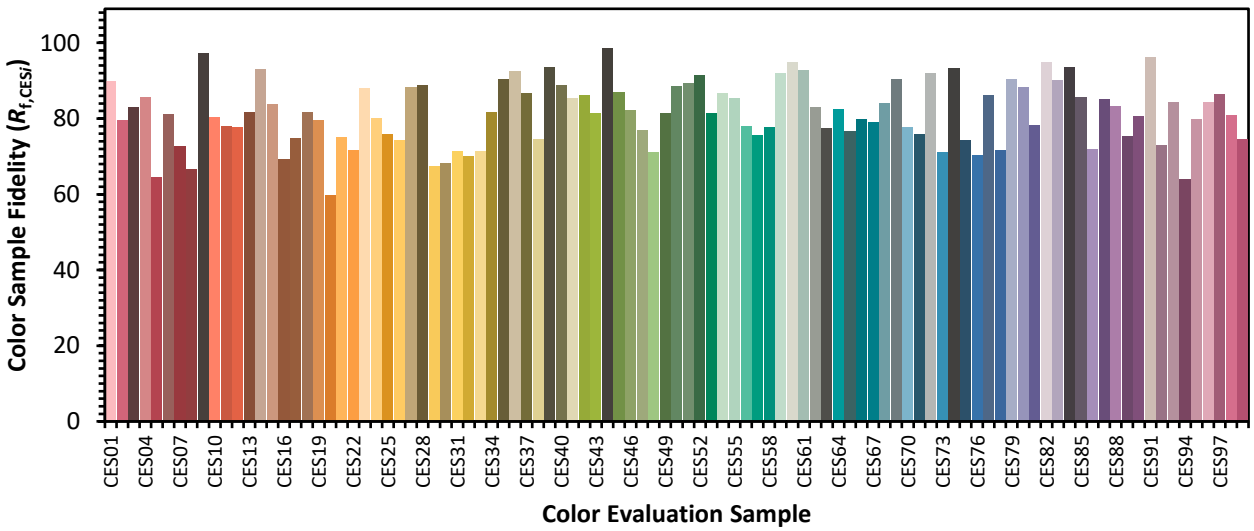


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

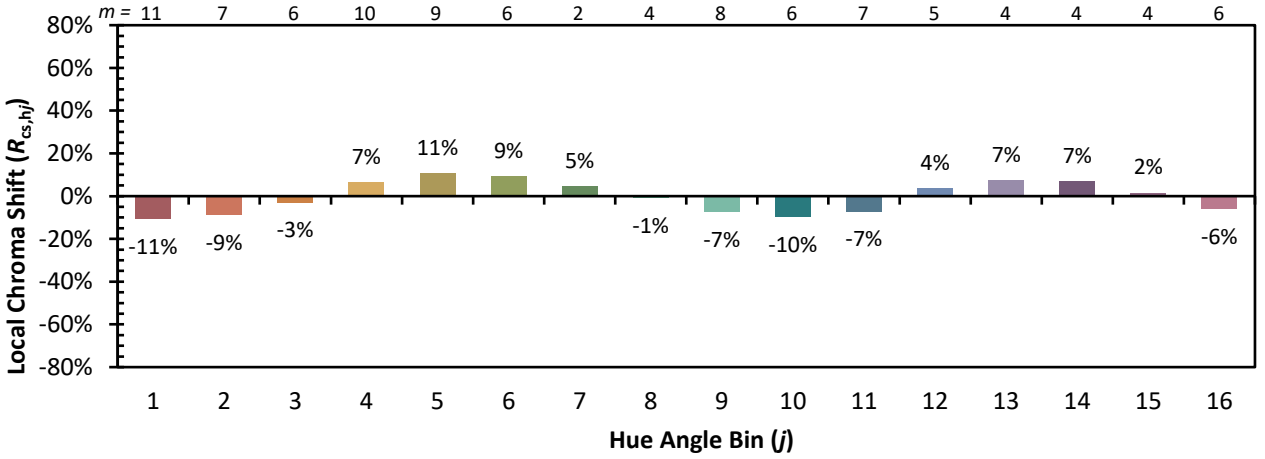
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

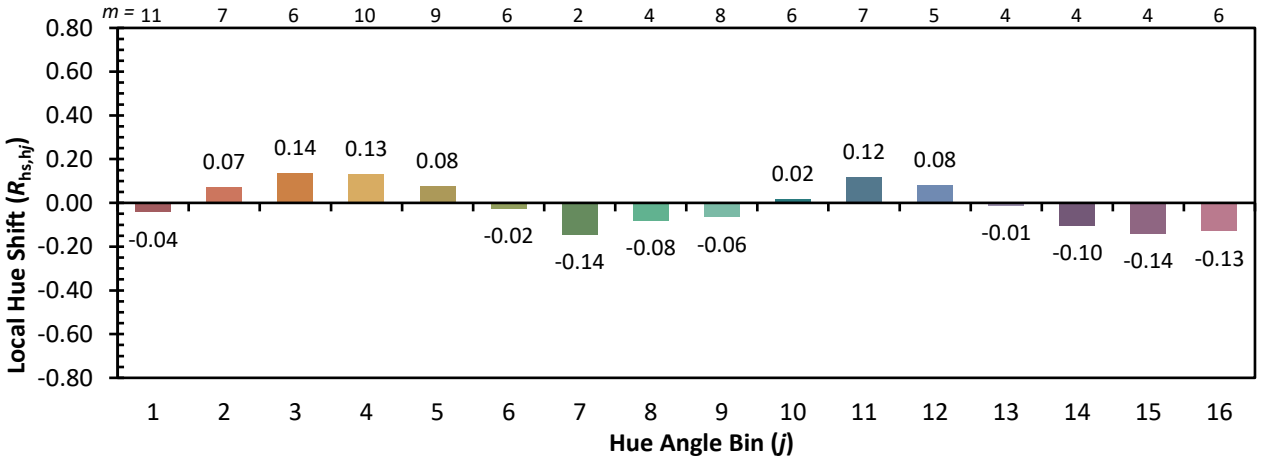


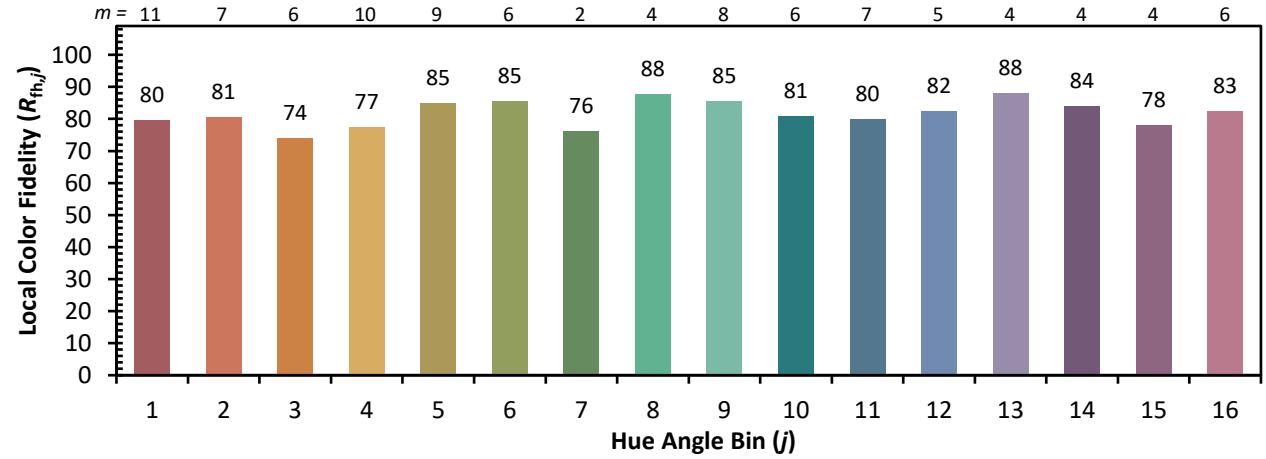
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



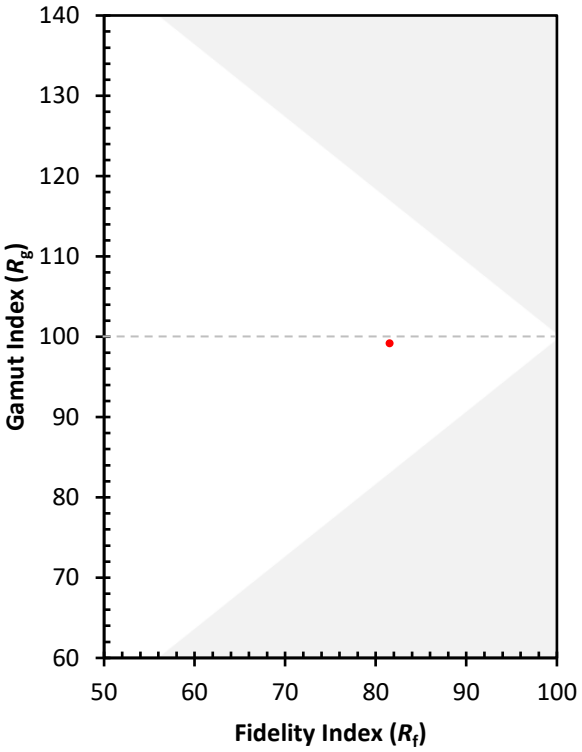


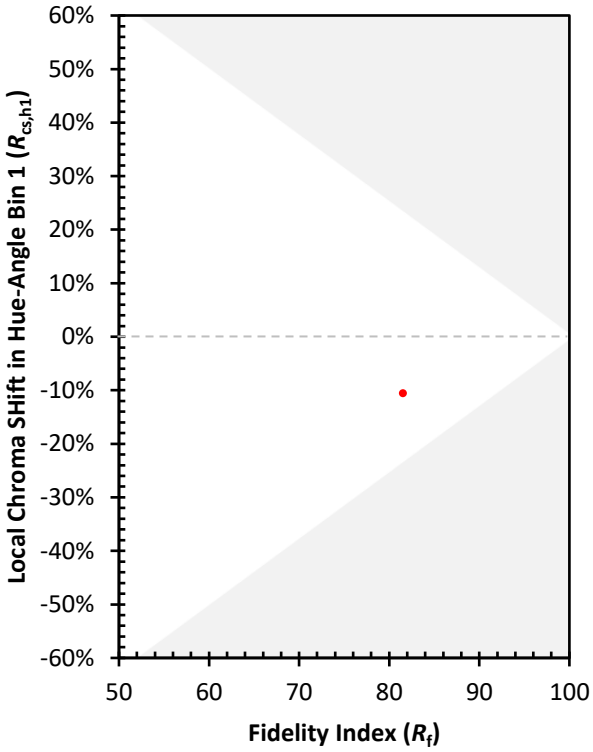


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)