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: P318875

Luminaire Tested: **GLEON-SA1B-830-U-T4FT**

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:	P318875
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
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-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4783 lumens
Efficiency:	N/A
Efficacy:	108.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

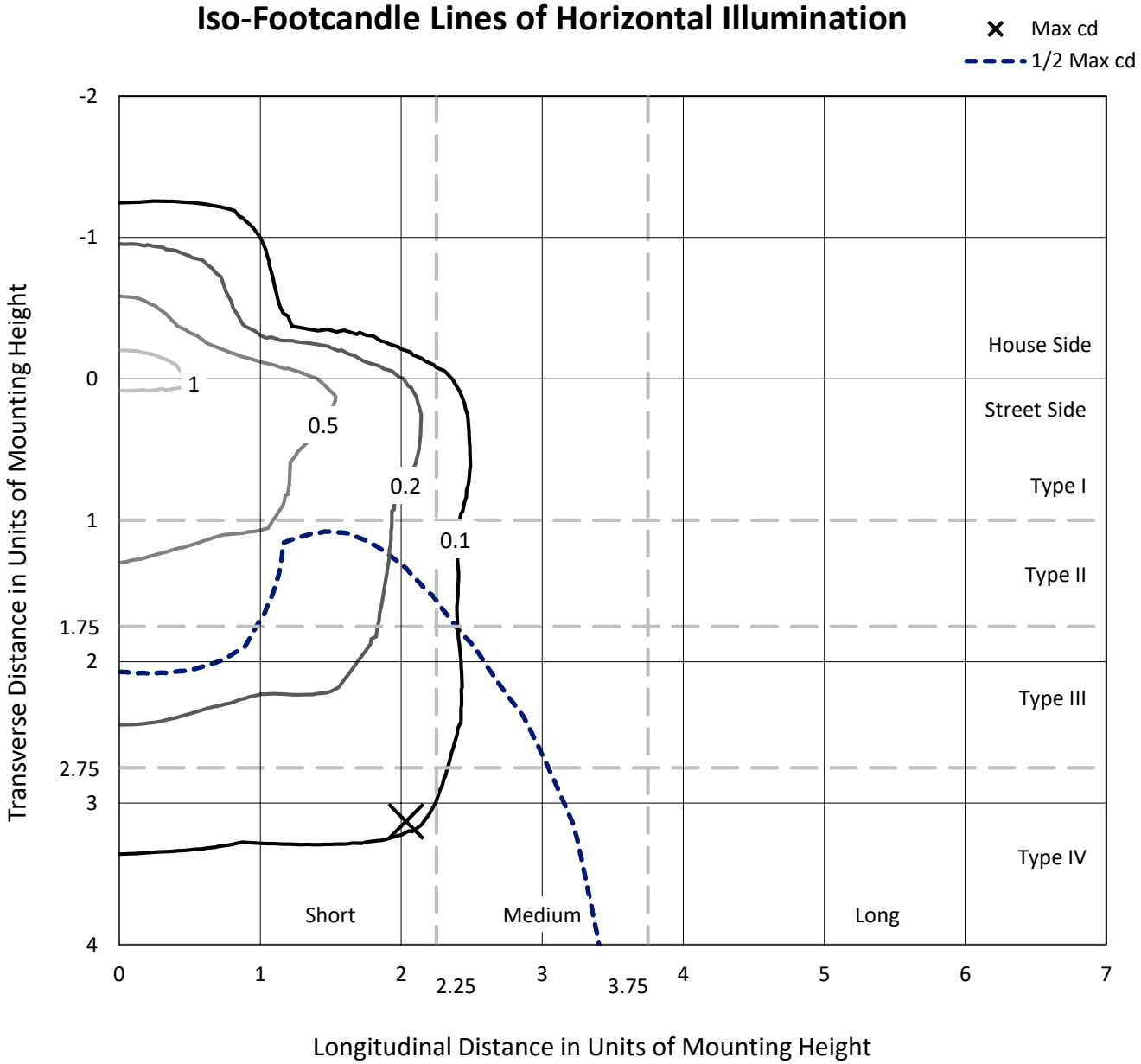
Input Watts (W):	44
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P318875
CATALOG NUMBER: GLEON-SA1B-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



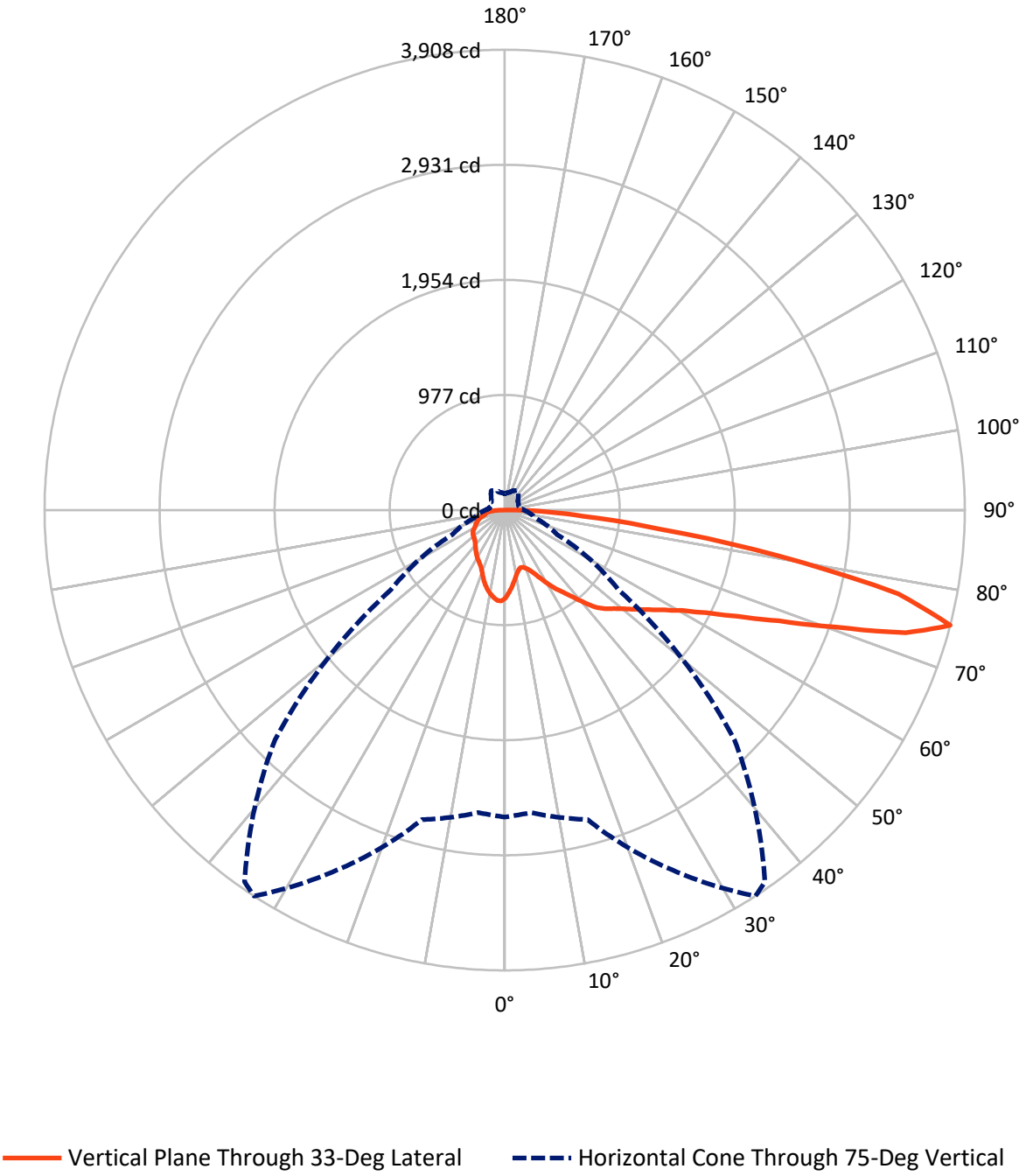
Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P318875
CATALOG NUMBER: GLEON-SA1B-830-U-T4FT

Luminous Intensity Polar Plot



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

Scaled Data Report

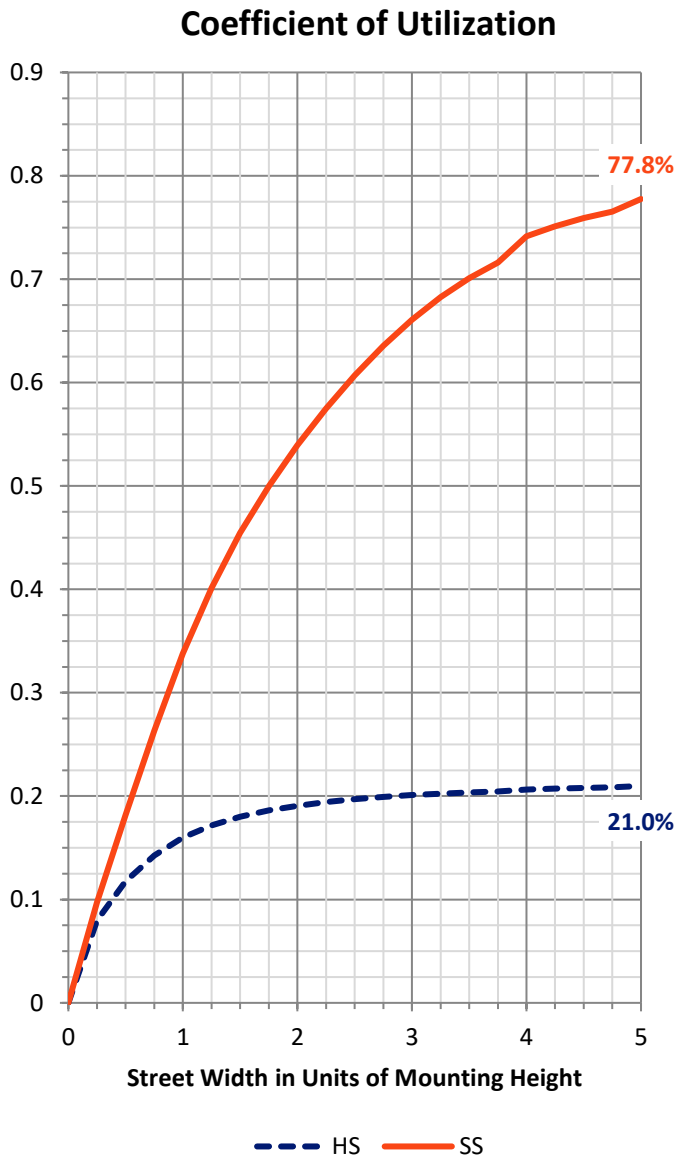
REPORT NUMBER: P318875
CATALOG NUMBER: GLEON-SA1B-830-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1027.0	0.0	1027.0
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3756.0	0.0	3756.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	4783.0	0.0	4783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	1.4
10°-20°	183.1	3.8
20°-30°	299.1	6.3
30°-40°	445.4	9.3
40°-50°	638.8	13.4
50°-60°	877.0	18.3
60°-70°	1097.9	23.0
70°-80°	993.2	20.8
80°-90°	180.9	3.8
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°	4783.0	100.0
0°-180°	4783.0	100.0



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

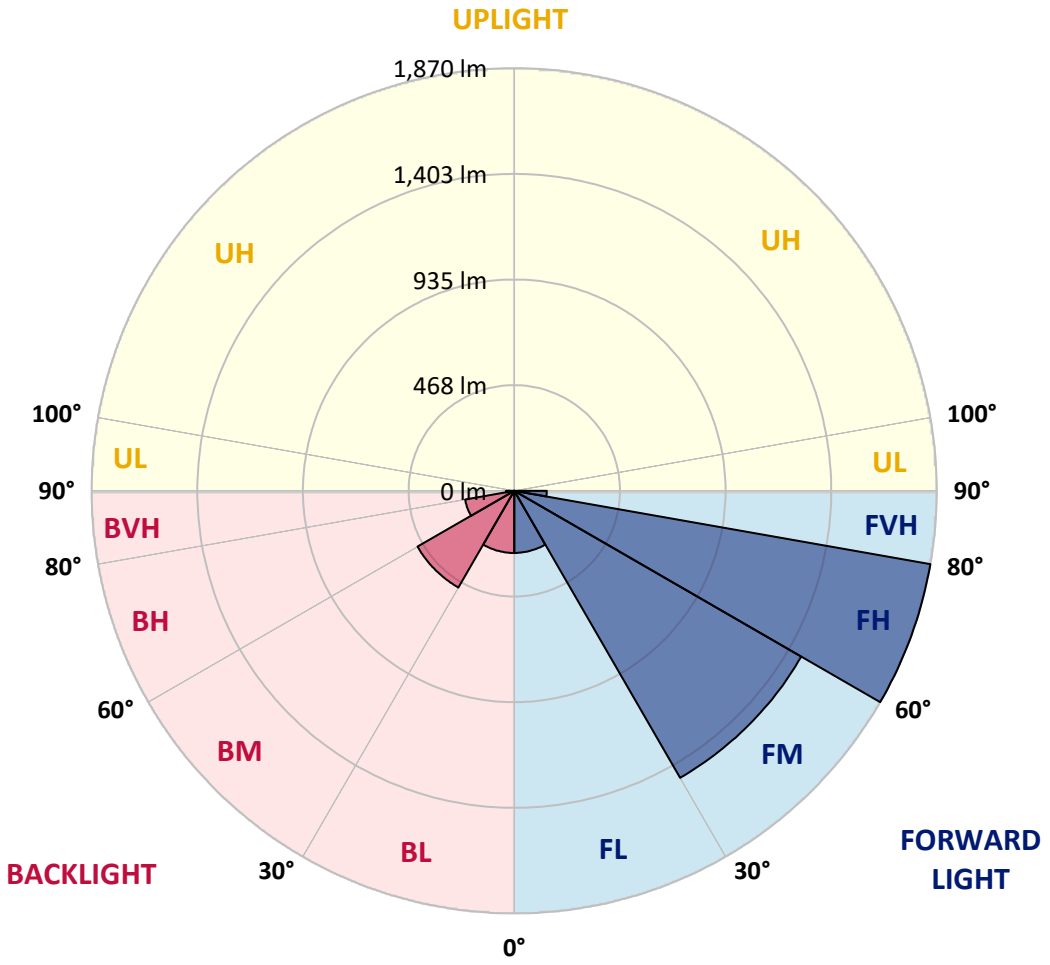
Scaled Data Report

REPORT NUMBER: P318875
CATALOG NUMBER: GLEON-SA1B-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	274.7	5.7			
FM	(30°-60°)	1466.8	30.7			
FH	(60°-80°)	1870.3	39.1			G2/5000
FVH	(80°-90°)	144.1	3.0			G2/225
BL	(0°-30°)	275.1	5.8	B1/500		
BM	(30°-60°)	494.3	10.3	B1/1000		
BH	(60°-80°)	220.8	4.6	B1/500		G1/500
BVH	(80°-90°)	36.8	0.8			G1/100
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



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

Scaled Data Report

REPORT NUMBER: P318875
CATALOG NUMBER: GLEON-SA1B-830-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	747.6	747.6	747.6	747.6	*747.6*	747.6	747.6	747.6	747.6	747.6	747.6
2.5°	694.2	691.6	696.6	697.2	*701.5*	703.2	709.1	718.4	726.0	734.7	742.7
5°	631.3	629.5	636.4	641.4	*650.8*	654.8	668.8	688.5	706.0	725.8	743.8
7.5°	571.5	570.5	578.3	589.5	*600.4*	605.9	630.1	658.7	688.0	720.0	747.6
10°	521.1	520.8	528.2	539.3	*555.3*	561.4	592.8	630.5	671.4	715.6	754.1
12.5°	492.8	494.0	497.5	506.7	*521.6*	527.7	562.6	606.8	657.6	714.1	763.5
15°	499.8	501.6	495.7	495.3	*505.9*	510.7	543.4	590.0	647.7	716.5	777.2
17.5°	529.4	529.7	514.0	504.1	*510.5*	513.0	537.5	580.4	641.9	722.2	794.4
20°	571.0	570.2	542.4	525.9	*529.4*	530.0	545.9	580.6	641.4	731.9	816.7
22.5°	626.2	620.1	582.7	560.3	*559.4*	558.4	567.5	592.8	648.6	747.8	843.3
25°	698.2	692.4	641.0	610.3	*603.7*	601.2	602.5	618.9	663.0	764.8	873.0
27.5°	778.3	768.3	718.7	675.2	*661.5*	658.1	650.1	655.7	678.7	781.1	908.4
30°	845.4	840.0	796.7	745.1	*728.9*	724.0	703.2	697.1	701.3	803.5	953.0
32.5°	882.9	879.3	853.0	811.4	*796.3*	789.4	760.0	747.8	737.7	838.6	1013.4
35°	928.4	926.0	910.2	879.9	*857.6*	850.4	827.6	814.9	788.9	887.1	1091.6
37.5°	986.2	983.7	984.0	959.6	*933.0*	926.2	911.2	897.8	855.3	950.7	1176.5
40°	1051.6	1046.8	1045.0	1043.8	*1027.0*	1023.2	1015.3	997.1	938.6	1026.7	1260.3
42.5°	1150.1	1133.1	1096.7	1110.4	*1127.1*	1125.1	1131.6	1105.5	1031.1	1116.5	1342.1
45°	1245.1	1217.2	1154.4	1157.3	*1193.9*	1204.9	1253.2	1234.7	1131.4	1215.0	1426.7
47.5°	1288.4	1267.2	1213.9	1214.0	*1250.2*	1273.2	1378.9	1365.7	1236.8	1326.9	1529.9
50°	1336.8	1315.6	1267.7	1285.7	*1317.3*	1341.7	1500.3	1493.6	1337.1	1449.3	1653.7
52.5°	1389.6	1353.8	1323.4	1355.6	*1399.9*	1428.3	1621.9	1603.4	1429.1	1572.5	1795.9
55°	1390.3	1380.6	1403.7	1427.3	*1493.6*	1528.4	1749.3	1700.4	1504.1	1693.6	1911.7
57.5°	1469.4	1453.6	1502.7	1513.6	*1600.1*	1639.5	1876.0	1784.8	1580.5	1786.5	1974.2
60°	1574.2	1560.6	1600.8	1629.5	*1732.0*	1784.5	2011.4	1871.6	1640.4	1856.6	1971.2
62.5°	1755.1	1739.7	1739.2	1779.6	*1917.5*	1978.6	2163.2	1956.7	1664.2	1870.4	1887.1
65°	2020.0	1995.5	1949.4	1968.6	*2173.8*	2234.7	2332.9	2018.3	1632.8	1796.1	1670.5
67.5°	2277.7	2276.9	2220.2	2259.5	*2512.1*	2561.0	2526.2	2024.4	1534.9	1537.2	1286.2
70°	2534.6	2537.9	2528.3	2665.1	*2969.3*	3020.2	2732.0	1942.3	1314.6	1110.1	770.6
72.5°	2738.2	2737.3	2785.6	3138.3	*3562.6*	3551.2	2905.5	1693.5	943.9	599.2	368.3
75°	*2606.3*	*2577.6*	*2721.3*	*3372.6*	*3908.4*	*3852.7*	*2758.0*	*1181.3*	*489.9*	*272.8*	*198.3*
77.5°	1699.9	1727.2	1938.2	2786.1	*3418.7*	3350.9	2023.4	551.2	230.8	178.9	143.7
80°	615.6	644.3	907.5	1578.2	*2355.3*	2344.3	996.4	226.5	156.1	135.1	104.7
82.5°	211.8	222.4	358.0	700.9	*1329.8*	1379.4	374.9	128.7	113.5	95.8	71.7
85°	83.1	95.2	163.7	337.2	*670.8*	675.7	151.8	77.0	79.0	62.8	39.3
87.5°	31.6	38.3	78.3	156.6	*306.3*	281.4	54.4	36.7	44.9	37.3	18.7
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: P318875
CATALOG NUMBER: GLEON-SA1B-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6
2.5°	748.8	752.2	759.5	764.5	769.7	771.2	771.9	773.2	774.5	774.0	774.2
5°	753.4	760.2	771.9	776.9	779.2	776.5	771.4	767.3	764.3	762.6	762.1
7.5°	761.0	770.6	783.1	782.3	777.0	765.3	752.1	742.2	733.9	730.9	729.3
10°	771.1	782.3	791.1	781.6	766.3	746.0	726.1	710.8	698.4	693.6	692.8
12.5°	784.0	795.4	797.0	777.0	751.6	723.8	696.9	676.6	658.1	652.1	650.8
15°	800.6	811.4	801.1	768.9	733.4	696.1	661.2	633.6	614.1	606.8	604.2
17.5°	818.2	828.4	802.0	755.5	709.6	663.2	619.4	591.1	568.8	560.4	559.4
20°	839.1	843.8	798.5	736.4	676.9	620.6	574.5	547.9	536.0	530.0	529.4
22.5°	865.1	860.1	790.6	710.4	635.4	571.3	533.8	521.4	518.5	517.1	517.6
25°	892.5	877.3	778.8	676.6	583.1	522.1	504.1	507.5	511.5	511.0	511.0
27.5°	922.7	894.8	760.8	631.6	525.1	481.8	483.9	496.6	502.6	502.4	502.3
30°	961.6	914.6	737.9	577.6	470.9	453.4	466.4	481.9	490.0	489.7	489.9
32.5°	1009.3	936.5	706.6	517.3	431.7	432.4	447.4	462.8	472.2	471.4	471.5
35°	1065.2	960.9	664.3	457.8	405.8	415.7	427.6	438.3	447.2	446.1	444.9
37.5°	1126.0	984.9	608.2	404.6	384.6	400.2	410.1	411.9	416.0	413.0	410.9
40°	1183.8	1003.2	535.8	361.0	363.3	386.9	393.4	386.1	378.7	377.7	374.7
42.5°	1234.2	1009.3	462.6	326.1	340.8	373.1	377.0	361.8	348.4	342.2	339.5
45°	1287.4	1011.5	394.4	296.9	319.2	360.7	365.0	344.6	325.8	312.3	307.8
47.5°	1356.9	1027.0	341.3	275.3	302.7	352.4	358.5	330.9	306.5	287.1	283.0
50°	1448.0	1057.7	298.2	258.7	291.9	347.0	353.9	317.5	290.6	267.3	263.2
52.5°	1549.1	1086.0	263.4	245.3	281.5	337.4	347.9	308.0	275.7	249.0	244.5
55°	1619.8	1064.3	235.3	231.5	268.0	323.7	339.7	299.9	254.4	231.1	227.2
57.5°	1633.3	990.3	214.0	217.1	251.6	306.5	327.0	281.9	242.9	223.4	219.2
60°	1596.3	887.2	198.1	203.9	234.1	284.8	303.2	269.1	231.8	215.1	211.6
62.5°	1503.3	781.6	186.4	192.0	217.8	262.9	288.3	255.8	220.6	205.7	202.2
65°	1315.5	656.2	175.1	181.4	202.6	243.9	274.9	243.4	209.5	198.1	194.8
67.5°	993.0	491.5	164.6	170.2	189.0	227.3	260.4	231.1	198.8	191.5	187.5
70°	584.7	307.8	152.5	158.4	174.8	210.2	244.9	217.8	185.4	182.1	176.9
72.5°	272.1	185.2	138.8	144.6	157.0	187.2	224.9	200.2	169.5	162.2	155.3
75°	*162.4*	*135.5*	*122.6*	*127.7*	*136.5*	*162.7*	*199.7*	*182.4*	*154.5*	*144.9*	*137.6*
77.5°	121.4	103.6	104.7	110.2	117.3	142.4	176.9	168.4	142.9	135.5	130.5
80°	87.4	78.6	85.4	91.4	98.8	129.5	169.5	155.6	129.2	119.3	114.7
82.5°	58.3	56.5	64.3	70.4	77.7	113.3	159.3	136.3	110.4	97.8	87.6
85°	32.2	34.0	43.3	45.9	52.2	79.8	130.5	109.5	83.1	66.9	63.9
87.5°	13.4	15.7	23.3	22.5	27.8	47.6	85.9	66.1	52.9	39.5	30.7
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

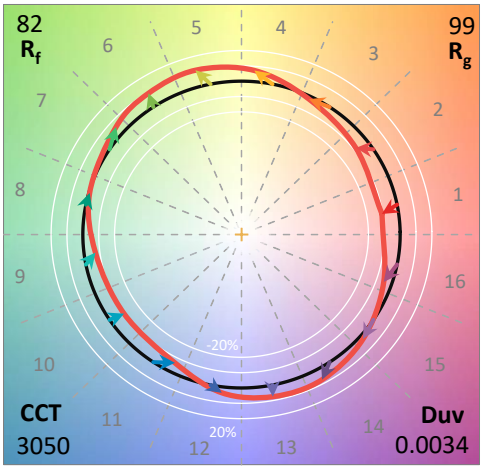
Test Information

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

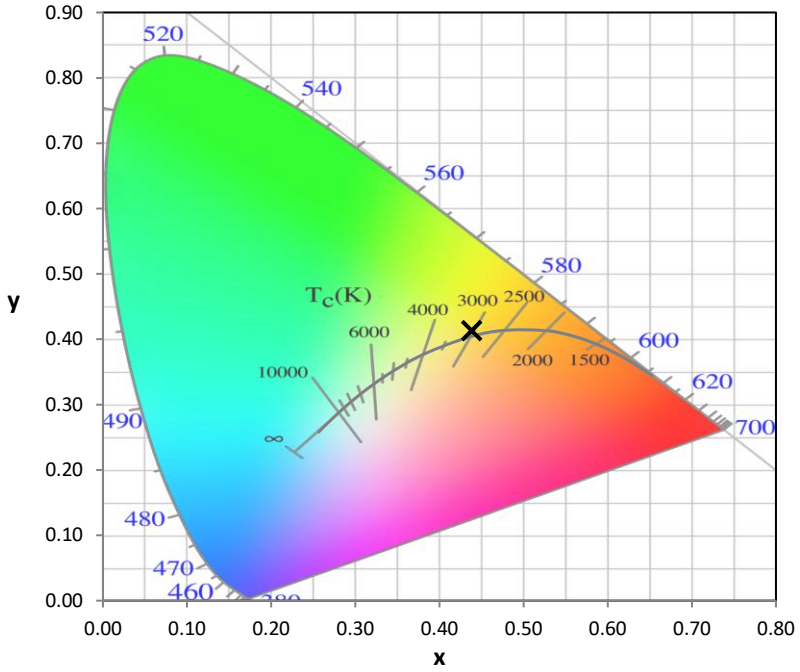
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

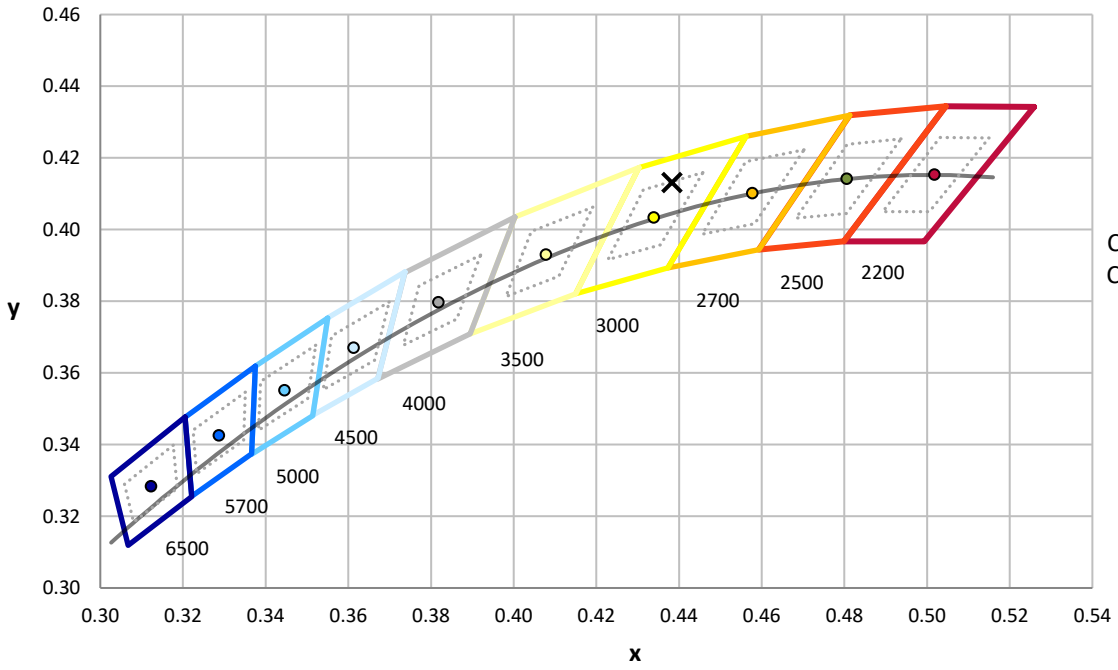
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

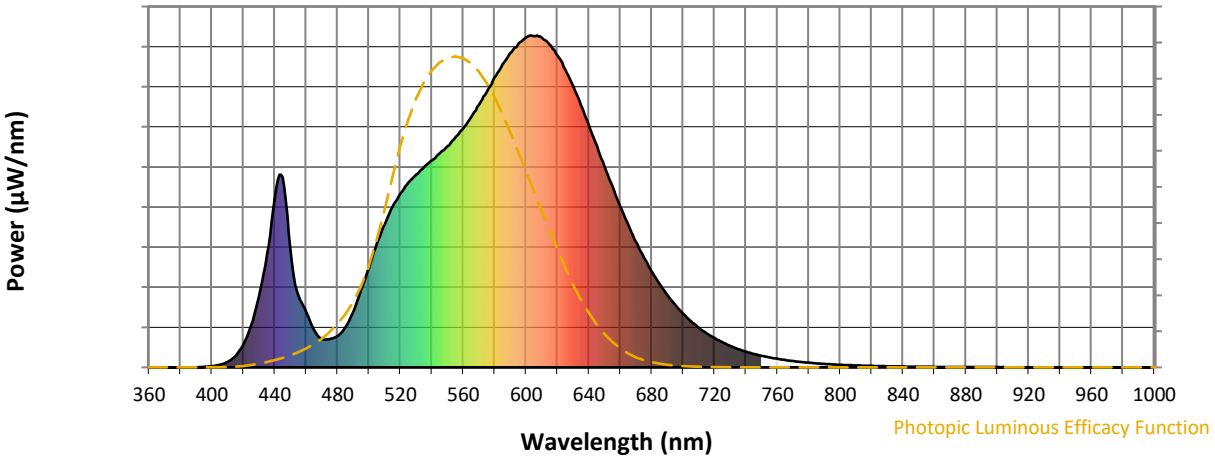


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

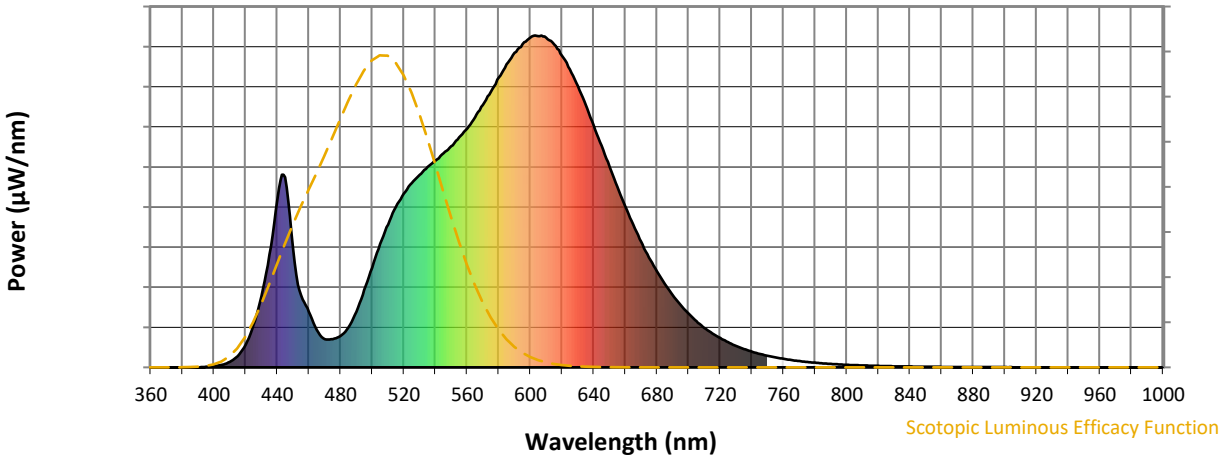


Photopic Lumens: NR

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

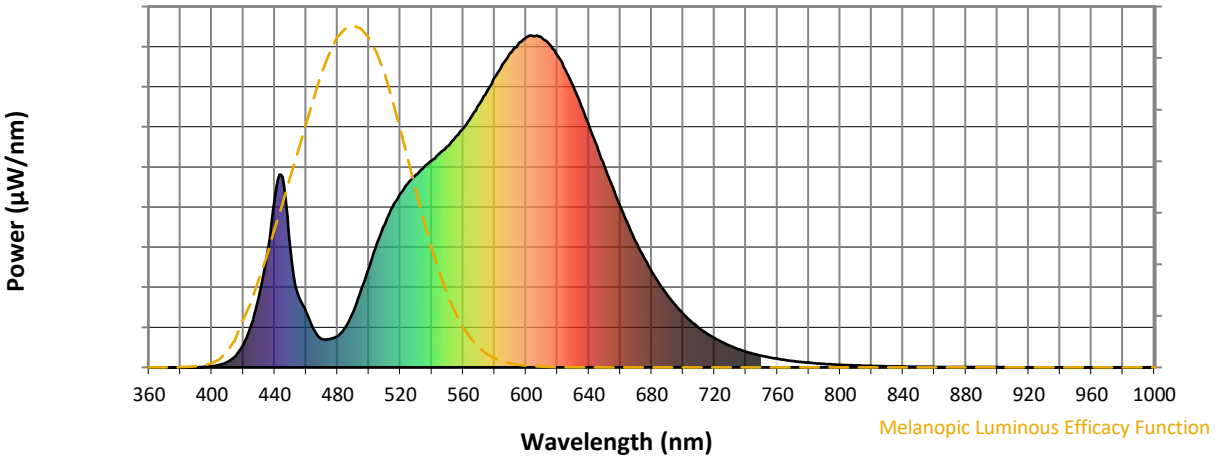


Scotopic Lumens: NR **S/P: 1.27**

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			

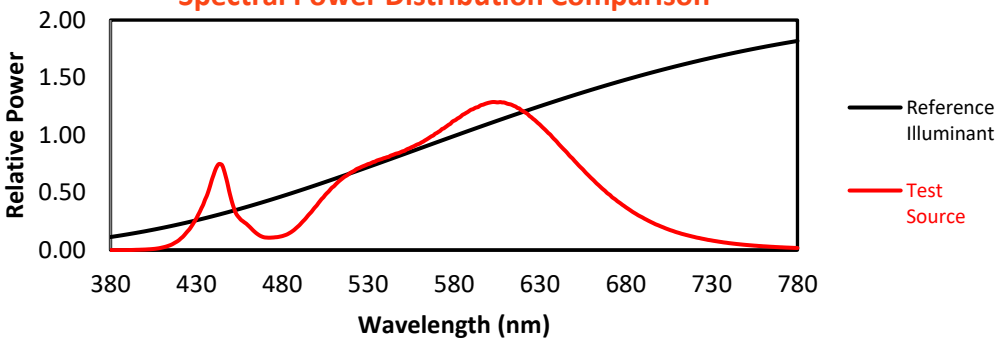
REPORT NUMBER: SP1-2408-195-9

TM-30-18

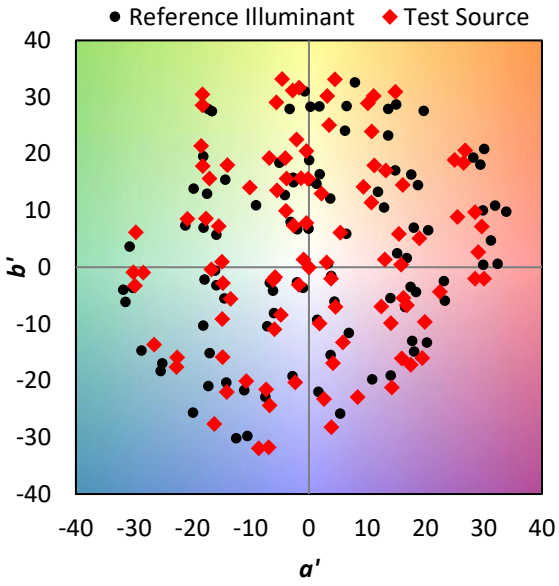
Summary

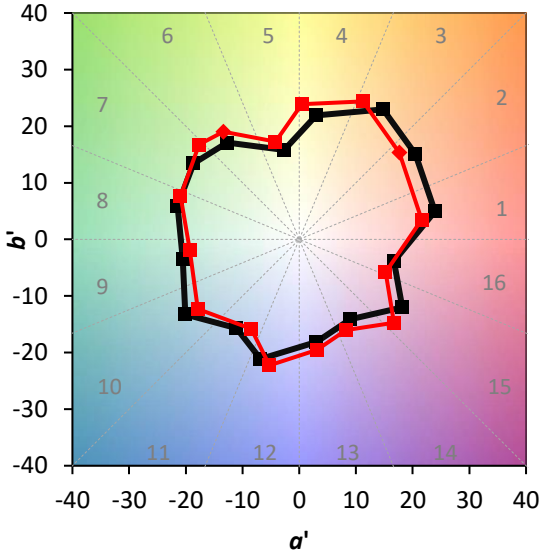
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

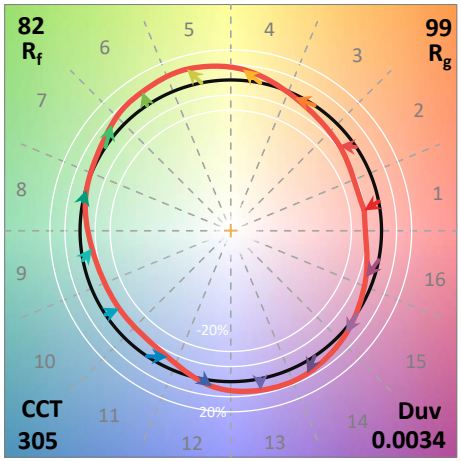
Spectral Power Distribution Comparison

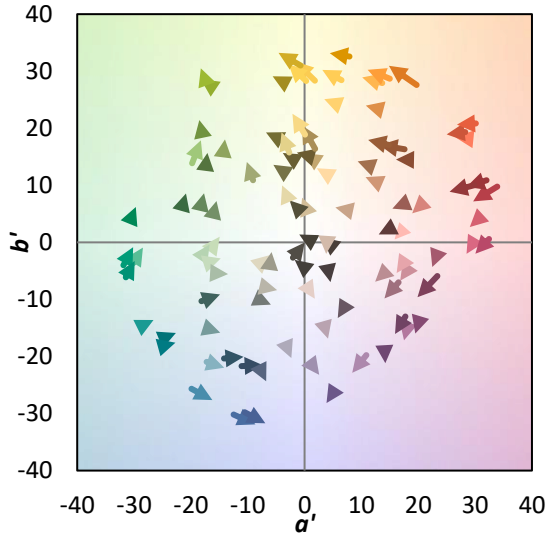


Color Vector Graphics







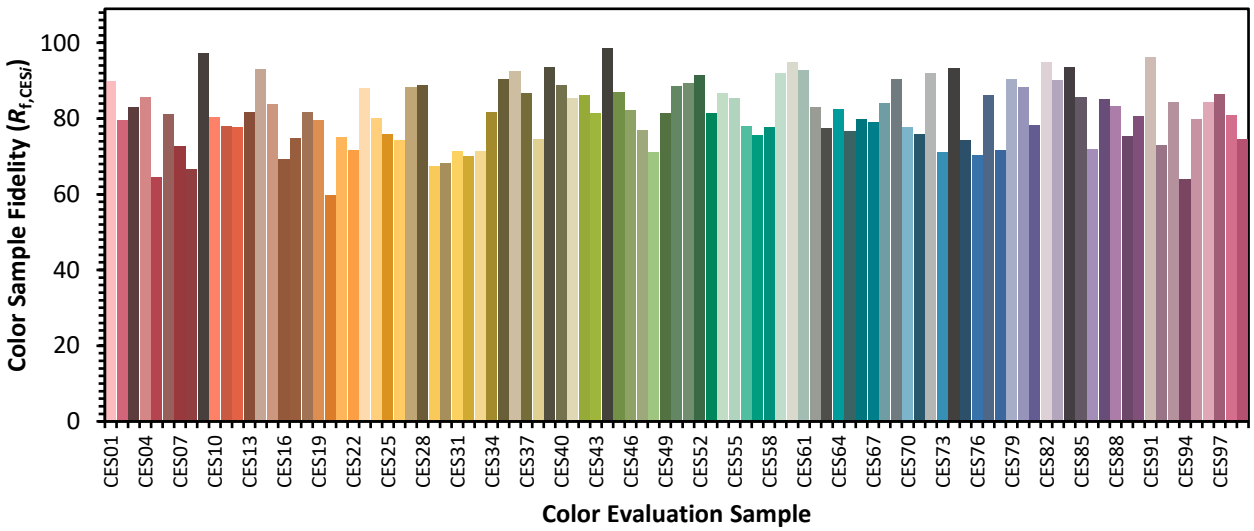


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

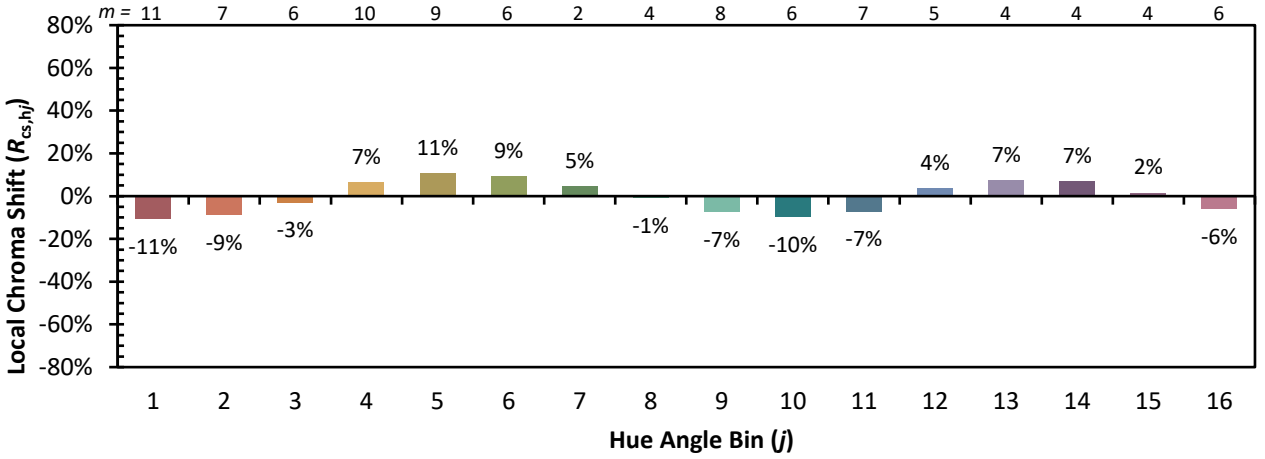
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

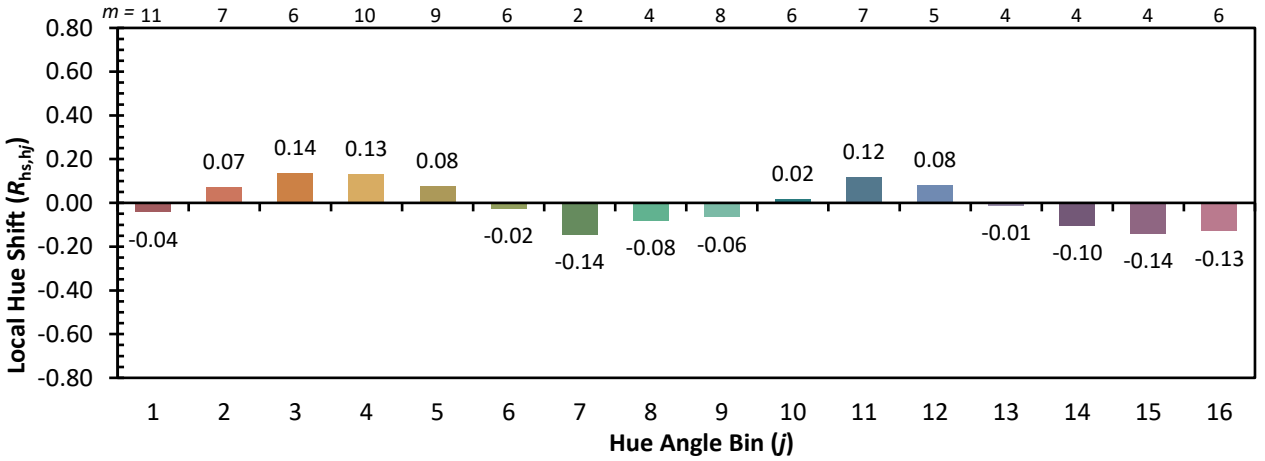


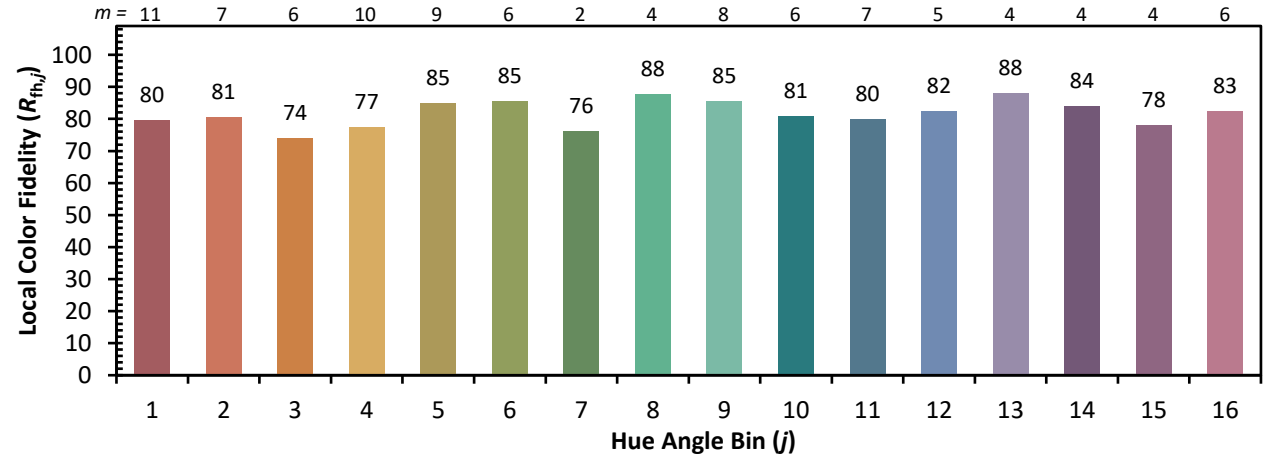
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



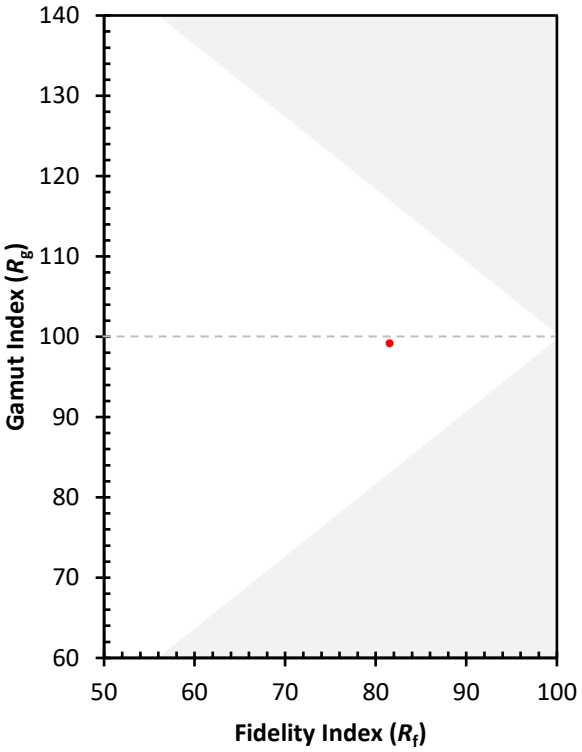


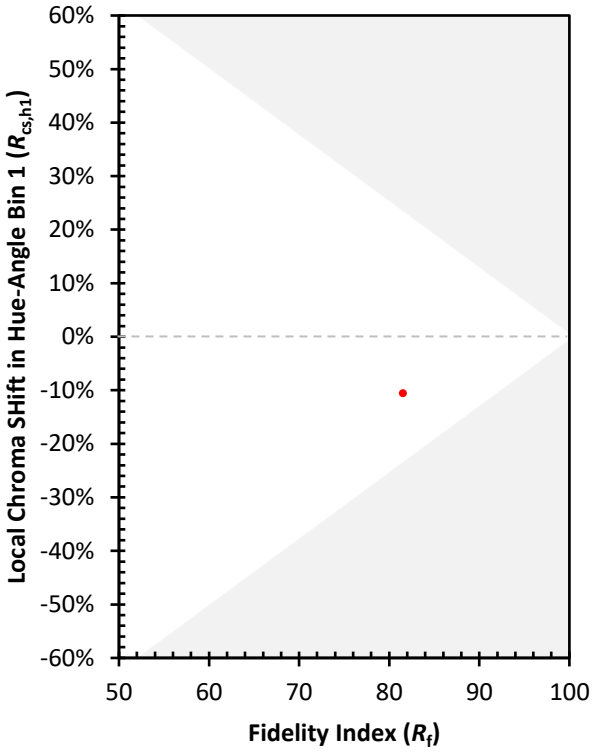


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)