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: P321430

Luminaire Tested: **GLEON-SA6A-830-U-T2R-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:	P321430
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6A-830-U-T2R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17878 lumens
Efficiency:	N/A
Efficacy:	92.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	193
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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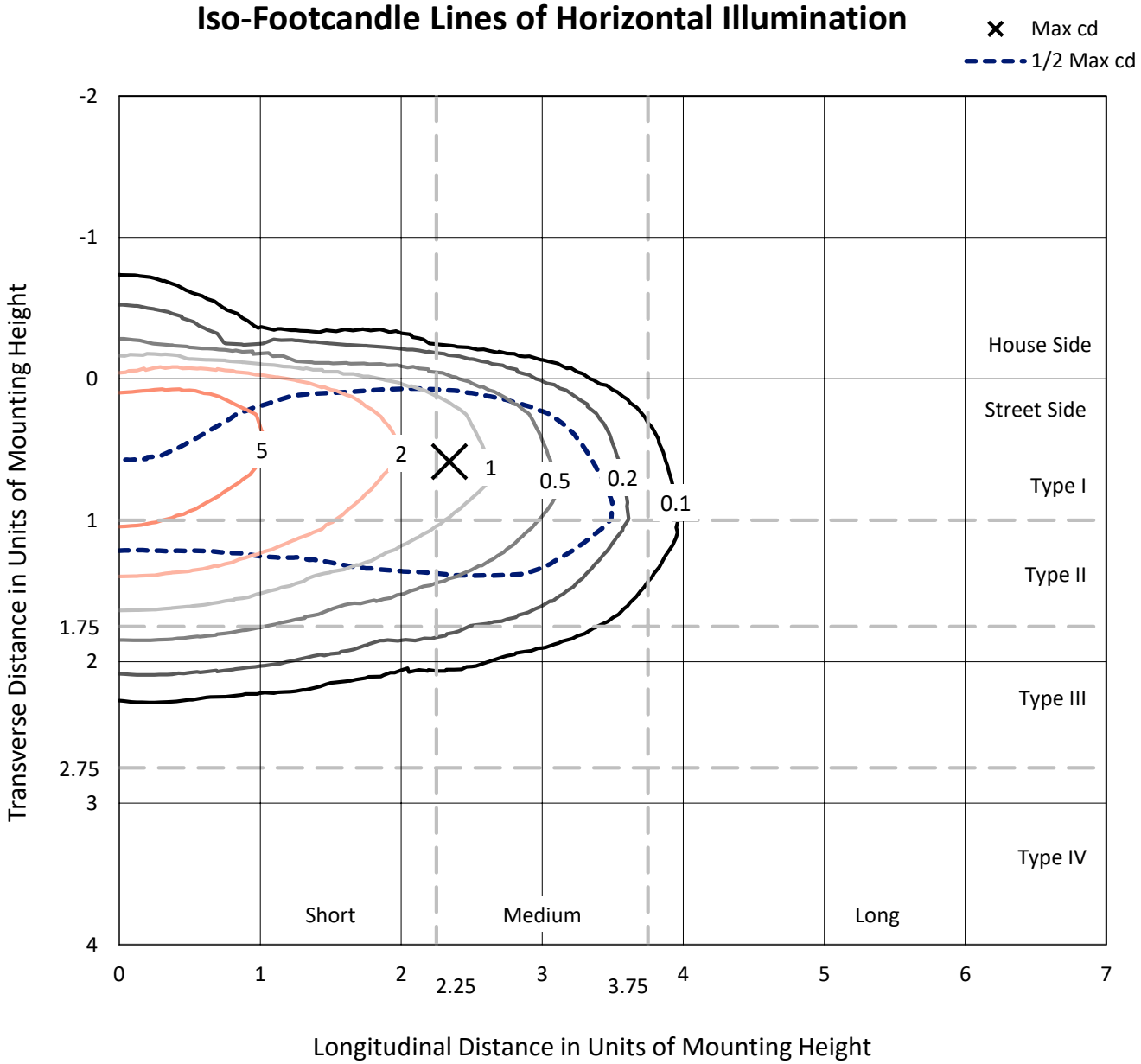
Scaled Data Report

REPORT NUMBER: P321430
CATALOG NUMBER: GLEON-SA6A-830-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type II - Medium - N/A

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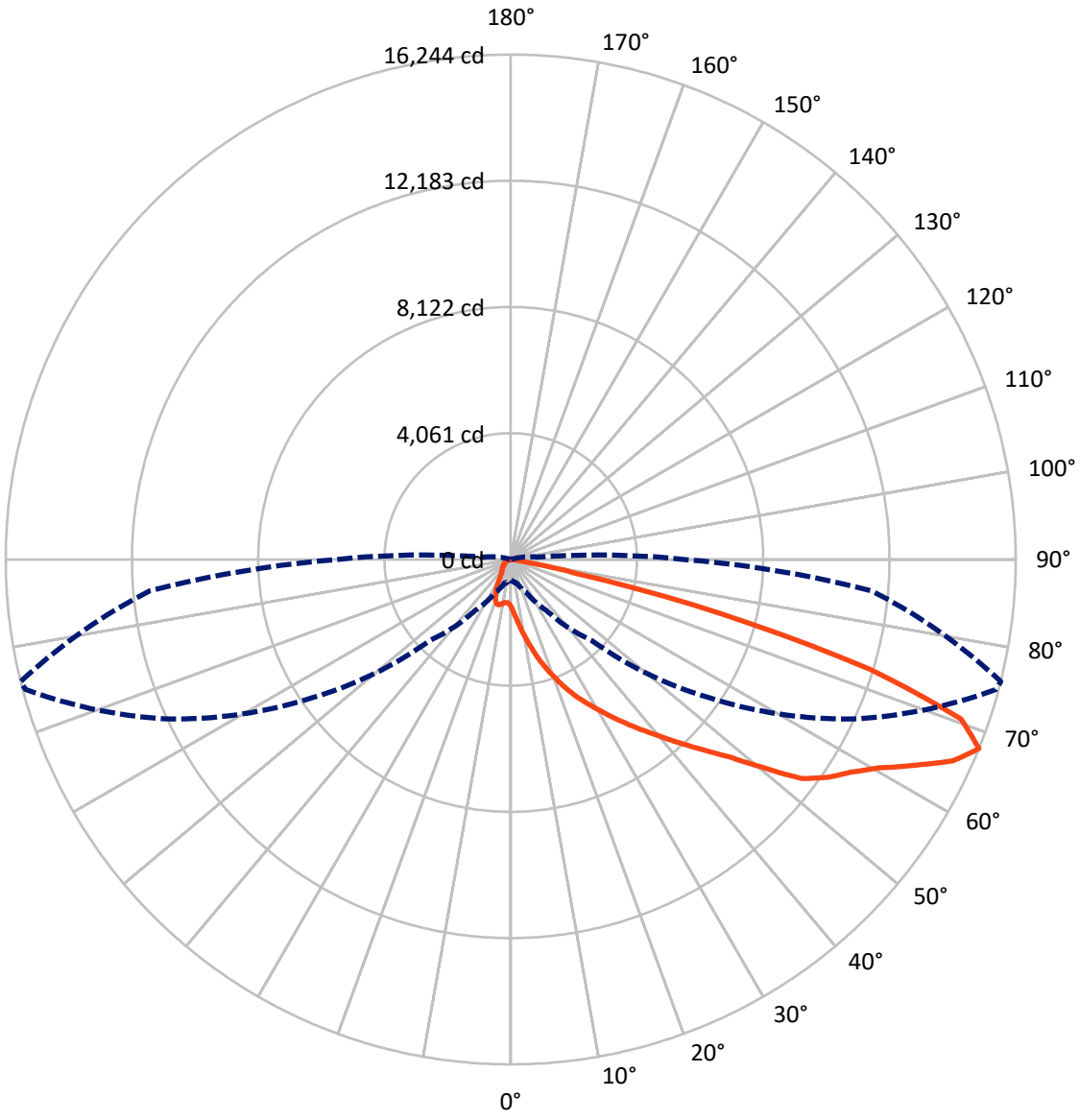
Luminous Intensity Polar Plot



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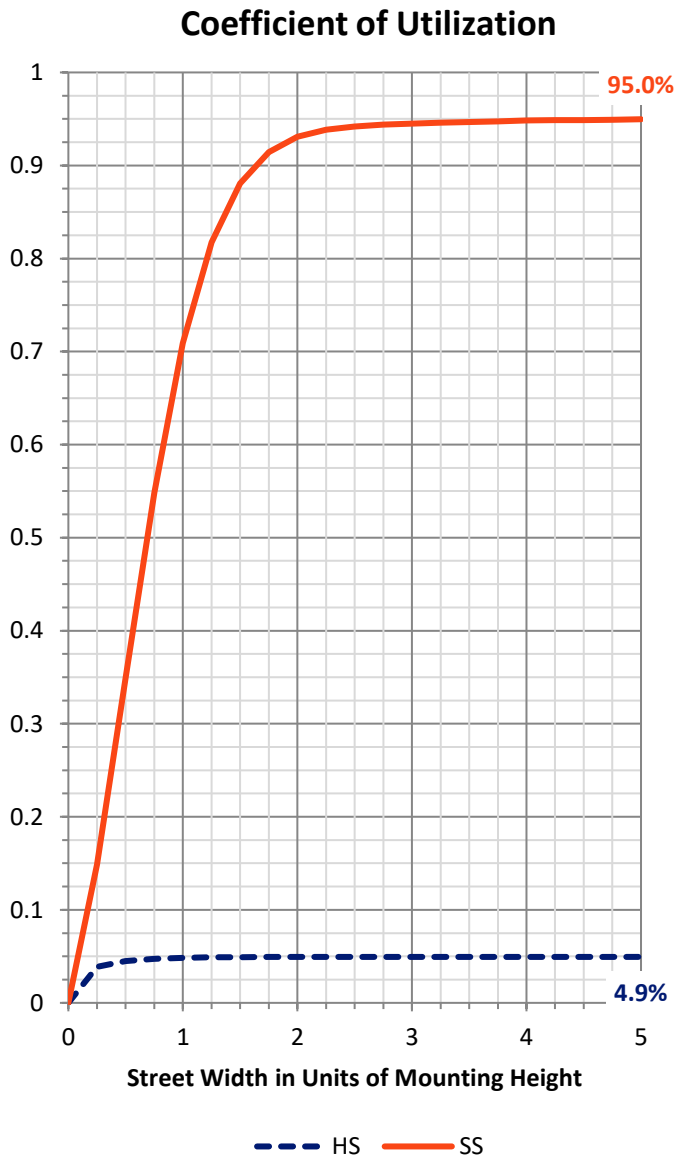
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	887.8	0.0	887.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	16990.2	0.0	16990.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	17878.0	0.0	17878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	1.1
10°-20°	747.6	4.2
20°-30°	1521.1	8.5
30°-40°	2640.1	14.8
40°-50°	3730.1	20.9
50°-60°	4230.1	23.7
60°-70°	3508.5	19.6
70°-80°	1270.9	7.1
80°-90°	41.2	0.2
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°	17878.0	100.0
0°-180°	17878.0	100.0



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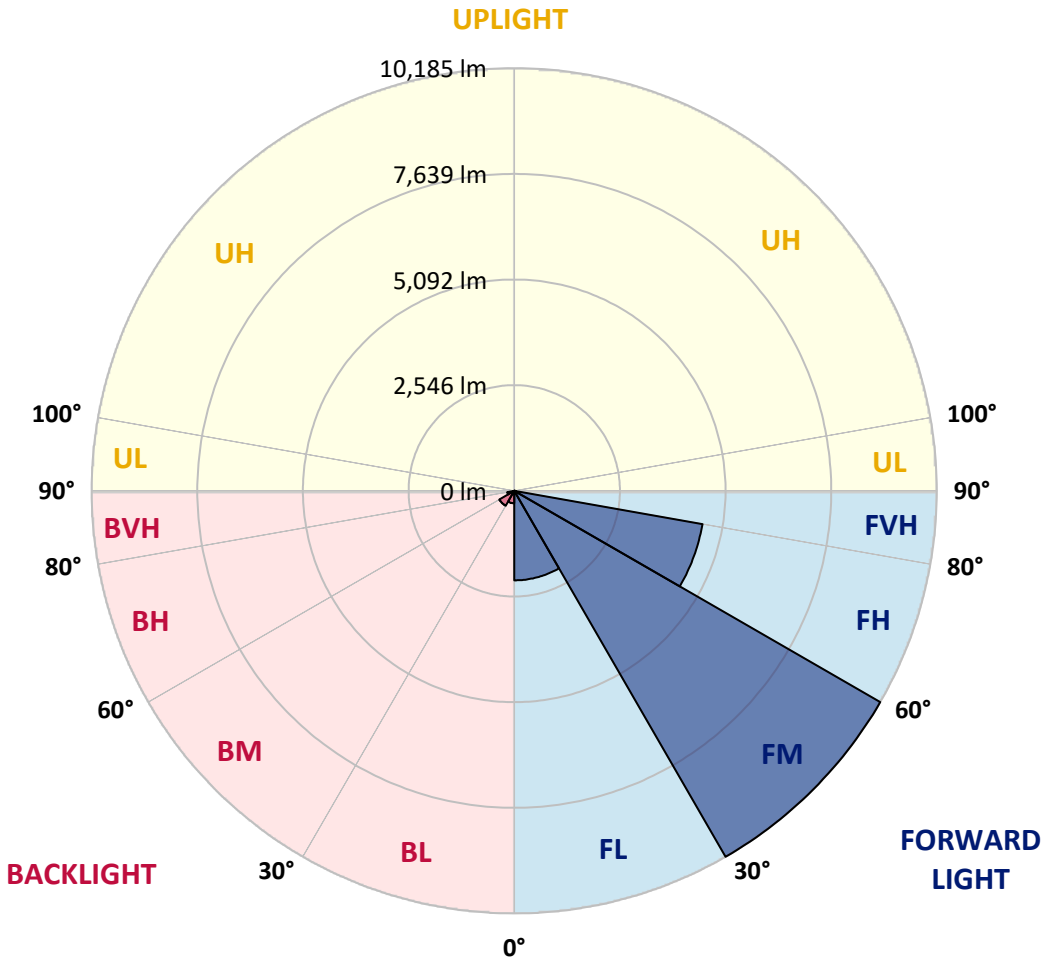
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2157.8	12.1			
FM	(30°-60°)	10184.7	57.0			
FH	(60°-80°)	4607.8	25.8			G2/5000
FVH	(80°-90°)	39.9	0.2			G1/100
BL	(0°-30°)	299.4	1.7	B1/500		
BM	(30°-60°)	415.5	2.3	B1/1000		
BH	(60°-80°)	171.6	1.0	B1/500		G1/500
BVH	(80°-90°)	1.3	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 II Medium



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Scaled Data Report

REPORT NUMBER: P321430
CATALOG NUMBER: GLEON-SA6A-830-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	*1516.6*	1516.6
2.5°	2263.9	2213.0	2224.7	2191.8	2132.3	2010.1	1905.9	1807.2	1692.0	*1688.1*	1593.3
5°	3052.7	3009.6	3004.2	2937.6	2829.5	2621.9	2419.8	2189.5	1932.5	*1913.7*	1712.4
7.5°	3768.7	3734.2	3721.7	3642.6	3441.3	3239.2	2976.0	2637.6	2235.7	*2201.2*	1873.0
10°	4318.6	4302.2	4305.3	4248.9	4076.6	3888.6	3543.1	3111.5	2579.6	*2526.3*	2065.7
12.5°	4735.4	4739.3	4767.5	4733.0	4636.7	4497.2	4128.3	3616.7	2960.3	*2887.4*	2285.8
15°	5041.7	5061.2	5112.9	5156.0	5149.0	5028.3	4689.9	4129.8	3364.5	*3283.8*	2531.0
17.5°	5239.9	5261.8	5337.0	5432.6	5520.3	5492.1	5232.0	4624.9	3773.4	*3680.2*	2793.4
20°	5413.8	5439.6	5520.3	5646.4	5810.1	5845.4	5674.6	5105.1	4181.5	*4068.0*	3064.5
22.5°	5790.5	5789.8	5839.1	5912.8	6068.6	6159.5	6051.4	5550.8	4585.0	*4466.7*	3341.0
25°	6472.1	6446.2	6429.0	6371.0	6405.5	6461.9	6401.6	5967.6	4990.7	*4870.9*	3621.4
27.5°	7282.1	7297.7	7158.3	7002.4	6881.8	6823.8	6725.1	6353.8	5380.9	*5249.3*	3895.6
30°	8136.7	8141.4	7976.9	7777.9	7512.4	7292.2	7121.5	6722.7	5781.9	*5638.6*	4162.0
32.5°	8907.5	8877.0	8714.0	8443.0	8107.7	7860.2	7505.3	7134.8	6206.5	*6067.9*	4458.1
35°	9518.5	9482.5	9284.3	9037.5	8689.7	8440.6	8013.7	7546.0	6653.0	*6517.5*	4755.0
37.5°	9965.0	9922.7	9719.1	9465.3	9165.2	9020.3	8603.6	7993.3	7140.3	*6994.6*	5067.5
40°	10120.1	10083.3	9955.6	9770.0	9528.7	9495.8	9229.5	8508.0	7670.6	*7515.5*	5421.6
42.5°	10027.7	9991.7	9946.2	9883.6	9783.3	9814.6	9820.1	9094.7	8259.7	*8106.9*	5812.5
45°	9661.1	9629.0	9676.0	9767.6	9892.2	10047.3	10359.1	9725.3	8917.7	*8754.8*	6264.5
47.5°	9121.4	9097.9	9227.9	9456.6	9820.9	10248.6	10851.8	10388.0	9656.4	*9505.2*	6828.5
50°	8353.7	8349.8	8609.8	9027.4	9587.5	10345.7	11361.0	11141.6	10682.6	*10523.6*	7612.6
52.5°	7158.3	7166.1	7677.6	8345.8	9177.8	10279.9	11688.4	12109.9	11876.4	*11711.1*	8291.8
55°	6020.1	6067.1	6429.8	7393.3	8549.5	10035.5	11801.2	12561.9	12535.2	*12378.6*	8669.4
57.5°	4905.4	4990.7	5340.1	6240.2	7632.2	9472.3	11739.3	12757.7	13025.6	*12905.7*	9167.6
60°	3697.4	3736.6	4139.2	4980.6	6454.8	8444.5	11290.5	12864.2	13696.2	*13613.1*	9890.6
62.5°	2352.4	2450.3	2807.5	3619.1	5026.0	7017.3	10533.8	12862.7	14535.1	*14580.6*	10823.6
65°	1239.3	1353.6	1543.2	2242.7	3453.8	5423.2	9395.5	12742.0	15564.4	*15627.9*	11552.9
67.5°	*668.2*	*701.1*	*801.4*	*1164.1*	*2003.0*	*3673.9*	*7723.1*	*12146.7*	*16160.6*	*16244.4*	*11654.7*
70°	488.8	506.8	544.4	643.9	1008.2	2133.9	5635.4	10797.0	15392.1	*15360.8*	10355.1
72.5°	375.2	403.4	431.6	471.6	579.7	1139.0	3508.6	8454.7	12281.4	*12074.6*	7740.3
75°	296.1	300.8	340.8	376.8	434.8	648.6	1558.1	4924.2	7495.9	*7006.3*	4013.9
77.5°	236.6	239.7	263.2	294.5	349.4	426.1	482.5	1937.2	2393.1	*2135.4*	871.1
80°	140.2	148.1	195.8	227.2	289.8	268.7	176.3	420.7	373.7	*338.4*	146.5
82.5°	78.3	84.6	110.5	179.4	202.1	128.5	87.7	113.6	87.7	*85.4*	41.5
85°	0.0	3.9	71.3	111.2	82.3	28.2	36.8	37.6	25.9	*24.3*	16.5
87.5°	0.0	0.0	21.9	21.2	3.1	4.7	8.6	12.5	10.2	*10.2*	8.6
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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REPORT NUMBER: P321430
CATALOG NUMBER: GLEON-SA6A-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6
2.5°	1546.3	1504.0	1424.1	1345.8	1280.0	1225.9	1177.4	1157.8	1142.1	1139.8	1127.2
5°	1615.3	1529.9	1377.1	1251.8	1168.0	1108.4	1057.5	1026.2	1001.9	992.5	983.9
7.5°	1719.5	1590.2	1370.9	1226.7	1126.5	1026.2	932.2	830.4	766.9	742.6	728.5
10°	1846.4	1670.1	1394.4	1219.7	1044.2	832.7	676.8	547.6	495.1	477.8	473.1
12.5°	1994.4	1769.6	1435.1	1175.8	868.7	591.4	466.9	423.0	411.3	405.8	405.8
15°	2164.4	1878.5	1464.1	1048.9	642.3	447.3	404.2	383.8	371.3	364.3	365.0
17.5°	2338.3	1985.0	1450.0	864.8	473.9	397.9	365.8	343.9	326.7	319.6	318.0
20°	2513.8	2083.7	1371.7	643.9	401.1	361.1	325.1	300.8	283.6	276.5	275.0
22.5°	2695.5	2167.5	1233.8	472.4	360.3	320.4	285.1	260.9	244.4	238.1	235.0
25°	2872.6	2235.7	1041.1	382.3	322.0	282.0	248.3	225.6	210.7	204.5	203.7
27.5°	3037.8	2278.8	817.8	337.6	288.3	247.5	217.0	196.6	184.1	179.4	178.6
30°	3186.7	2282.7	604.7	304.7	258.5	217.8	189.6	171.6	160.6	155.9	154.3
32.5°	3337.1	2249.8	440.2	275.0	231.1	191.9	164.5	150.4	142.6	138.7	138.7
35°	3478.9	2173.8	343.1	249.1	204.5	166.9	144.9	134.7	130.0	126.1	126.1
37.5°	3617.5	2064.9	291.4	226.4	179.4	145.7	127.7	121.4	117.5	113.6	113.6
40°	3758.5	1927.8	264.8	205.2	159.0	129.3	113.6	108.1	104.2	101.1	100.3
42.5°	3931.7	1769.6	247.5	185.7	141.0	114.4	100.3	94.0	90.9	87.7	86.2
45°	4132.2	1633.3	233.4	166.1	126.1	101.8	87.0	80.7	76.0	72.1	71.3
47.5°	4421.2	1534.6	214.6	144.9	112.0	88.5	75.2	68.2	61.1	57.2	56.4
50°	4790.2	1453.1	190.4	126.1	97.9	75.2	62.7	54.1	47.8	43.9	43.9
52.5°	4973.5	1346.6	168.4	109.7	82.3	63.5	50.9	40.7	37.6	33.7	33.7
55°	5047.1	1265.1	146.5	93.2	68.2	52.5	40.0	31.3	29.0	26.6	25.9
57.5°	5254.0	1241.6	127.7	79.1	56.4	41.5	30.6	23.5	21.9	18.8	18.8
60°	5586.9	1253.4	110.5	67.4	45.4	32.1	22.7	18.0	16.5	13.3	13.3
62.5°	5946.4	1238.5	93.2	58.0	35.3	23.5	15.7	13.3	13.3	7.8	7.1
65°	6015.4	1103.0	79.9	47.8	27.4	17.2	10.2	8.6	11.8	1.6	0.0
67.5°	*5583.0*	*855.4*	*68.9*	*36.8*	*20.4*	*13.3*	*7.8*	*3.9*	*10.2*	*0.0*	*0.0*
70°	4464.3	543.6	55.6	26.6	15.7	11.0	6.3	1.6	7.8	0.0	0.0
72.5°	3156.9	315.7	43.9	18.8	13.3	8.6	4.7	0.0	4.7	0.0	0.0
75°	1596.5	168.4	27.4	14.1	10.2	6.3	3.1	0.0	0.8	0.0	0.0
77.5°	345.5	78.3	17.2	10.2	7.1	3.9	1.6	0.0	0.0	0.0	0.0
80°	75.2	34.5	11.0	6.3	3.9	2.4	0.0	0.0	0.0	0.0	0.0
82.5°	27.4	18.0	5.5	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.9	9.4	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.8	3.1	0.8	0.8	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

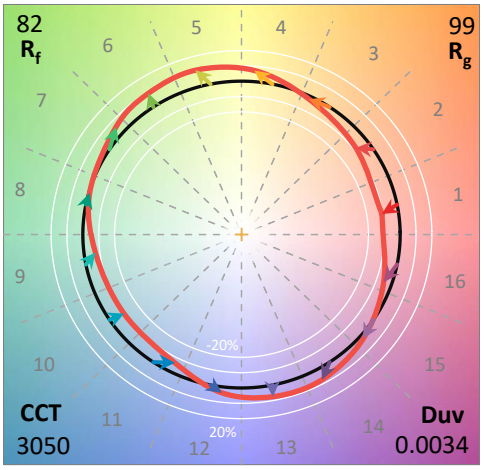
Test Information

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

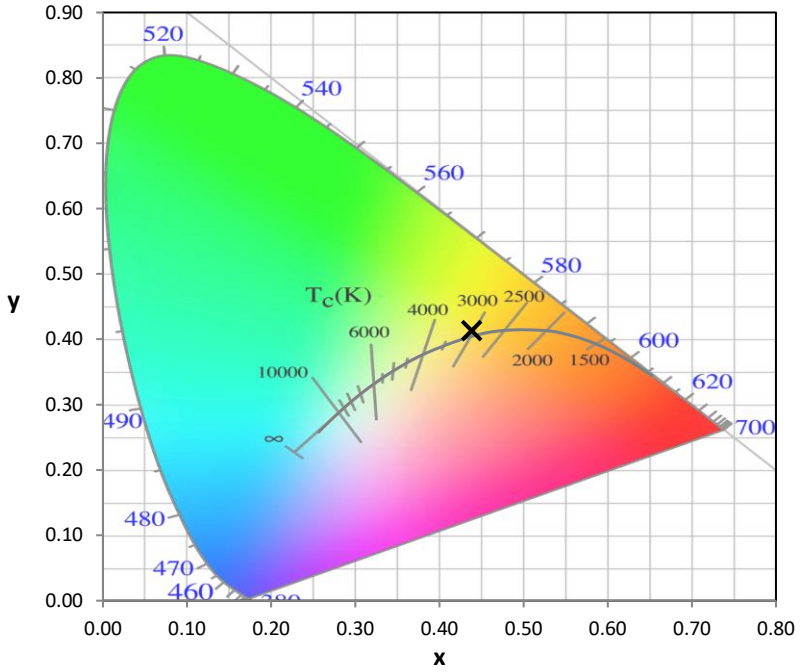
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

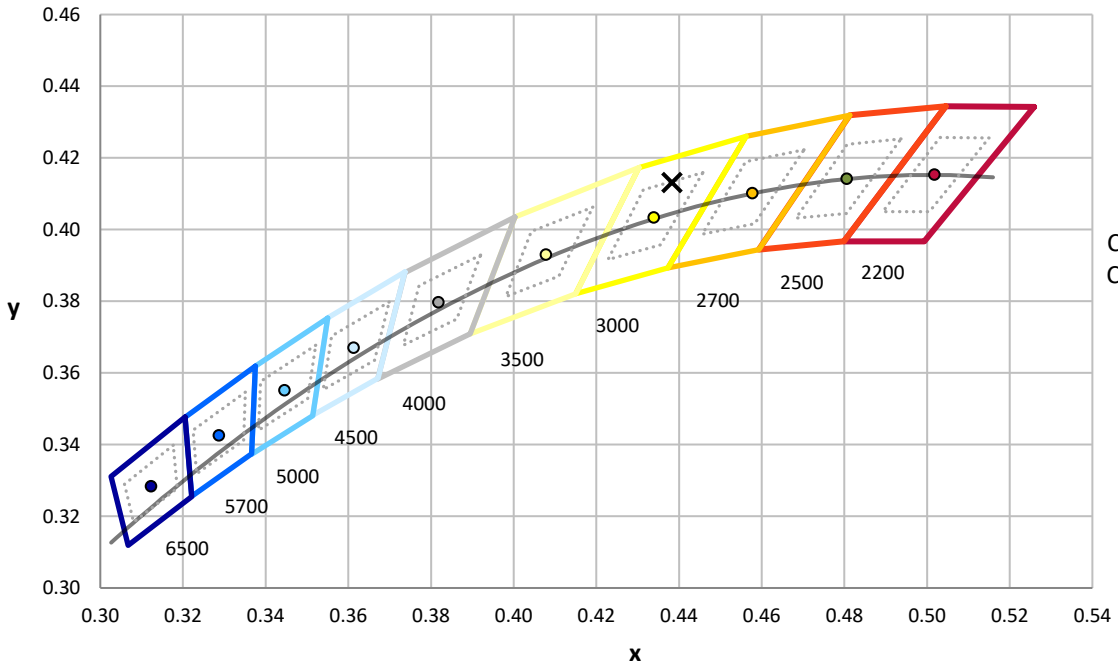
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

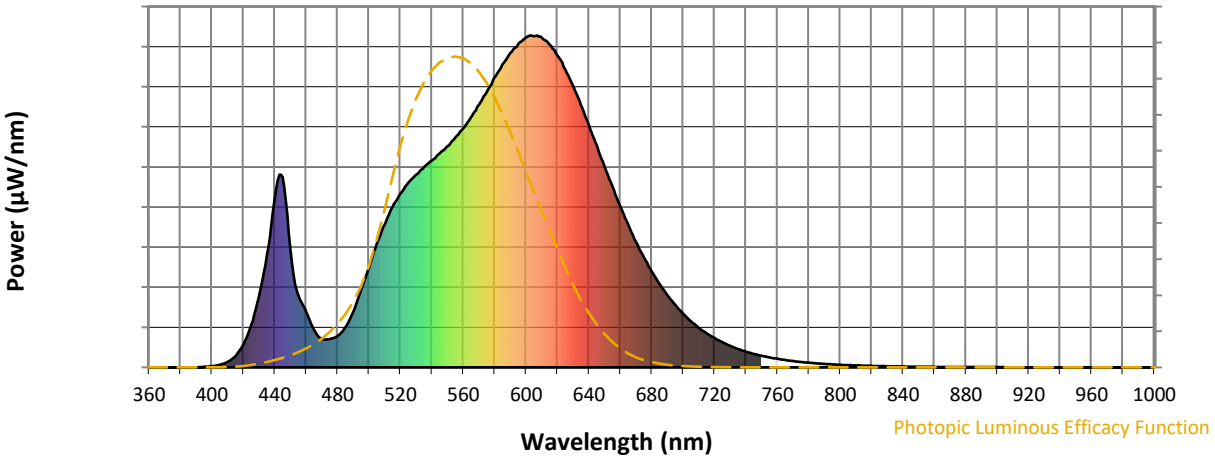


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

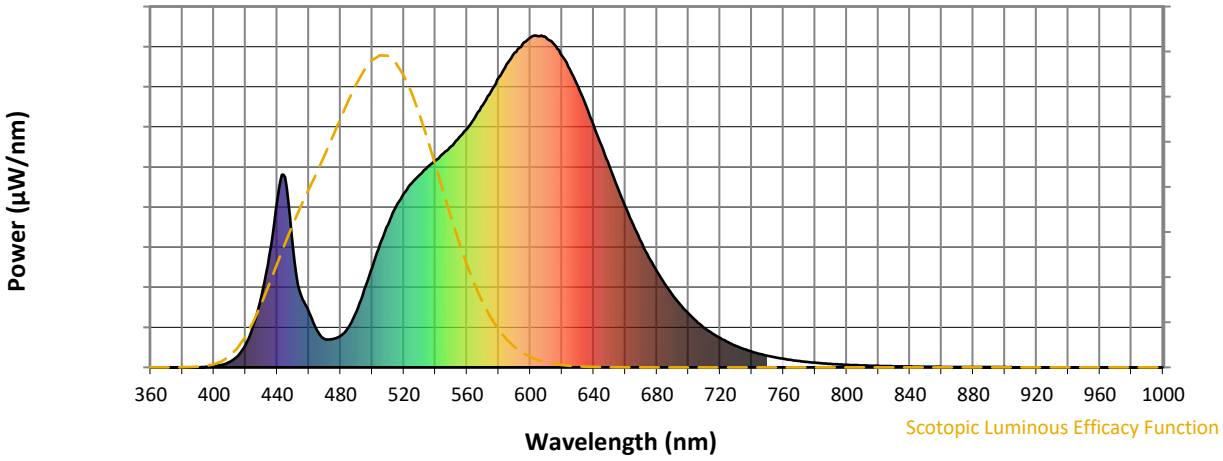


Photopic Lumens: NR

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

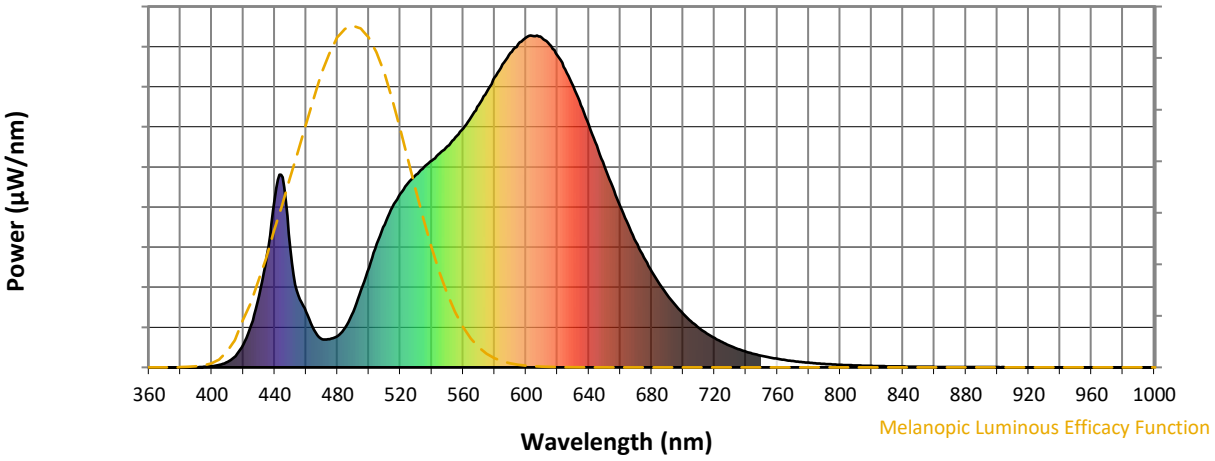


Scotopic Lumens: NR **S/P: 1.27**

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			

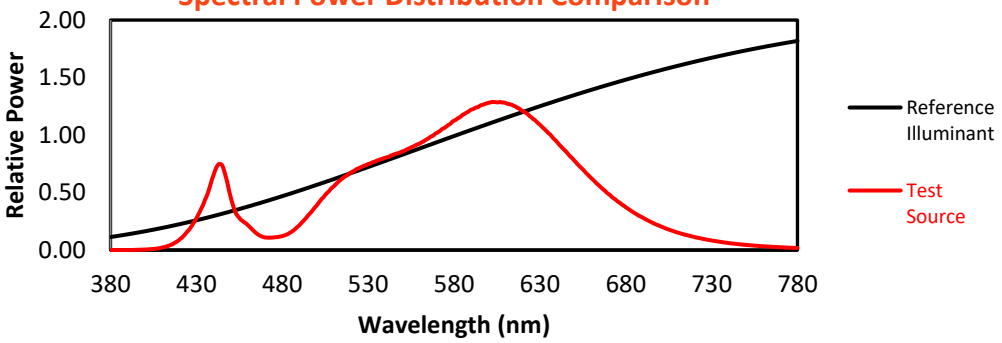
REPORT NUMBER: SP1-2408-195-9

TM-30-18

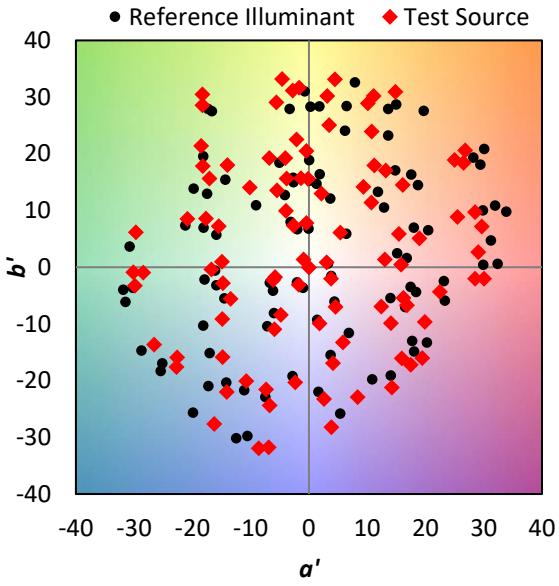
Summary

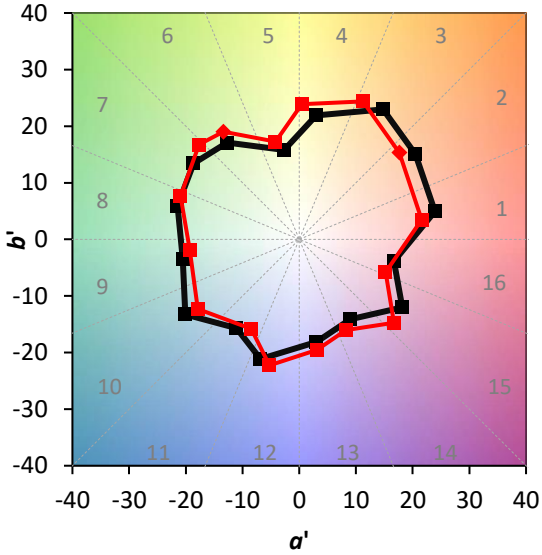
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

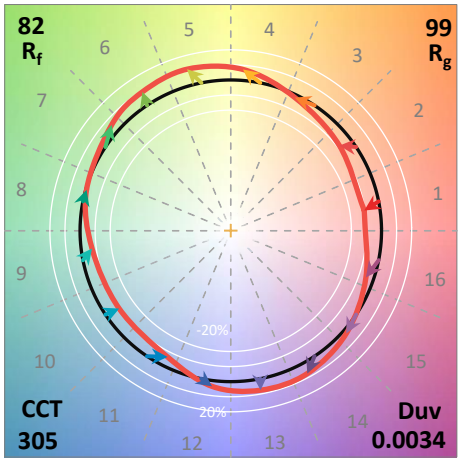
Spectral Power Distribution Comparison

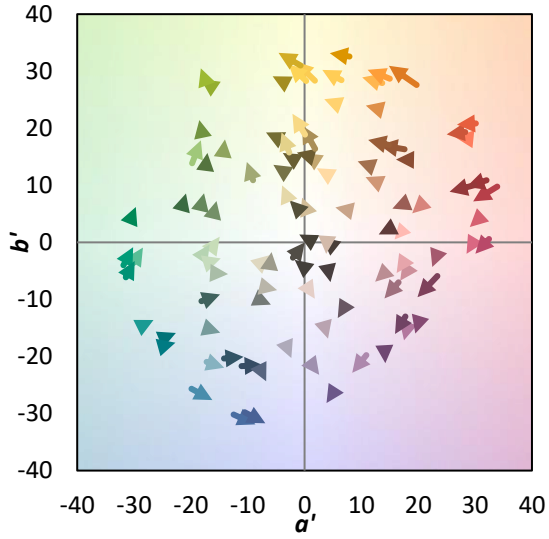


Color Vector Graphics







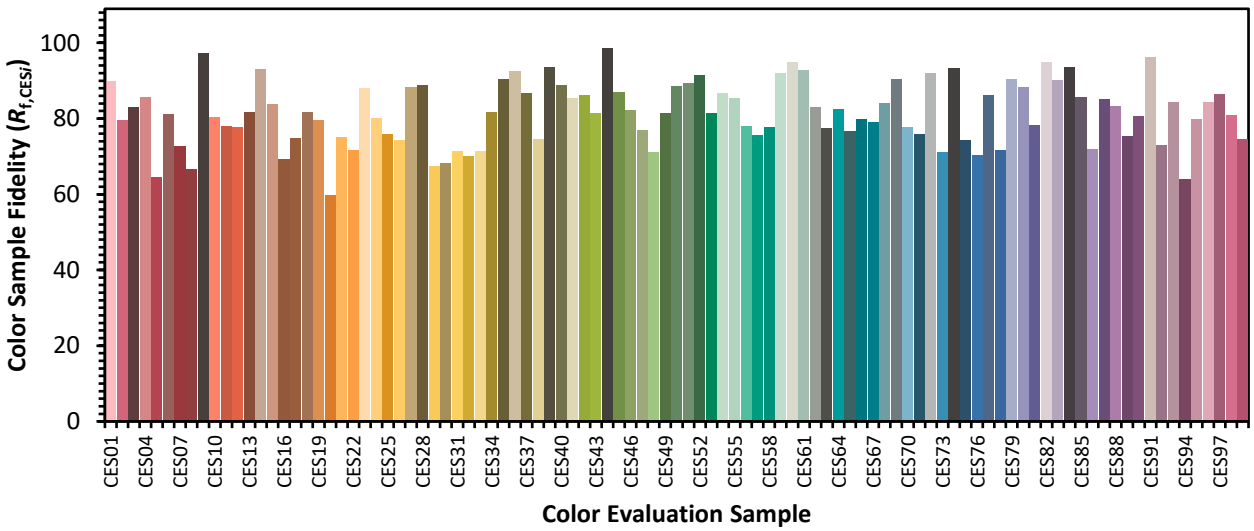


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

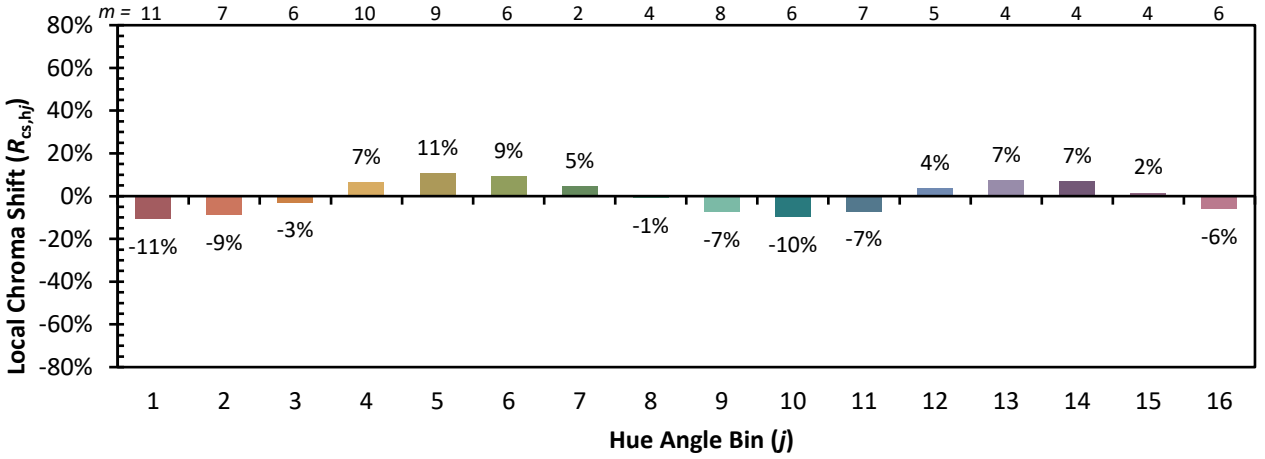
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

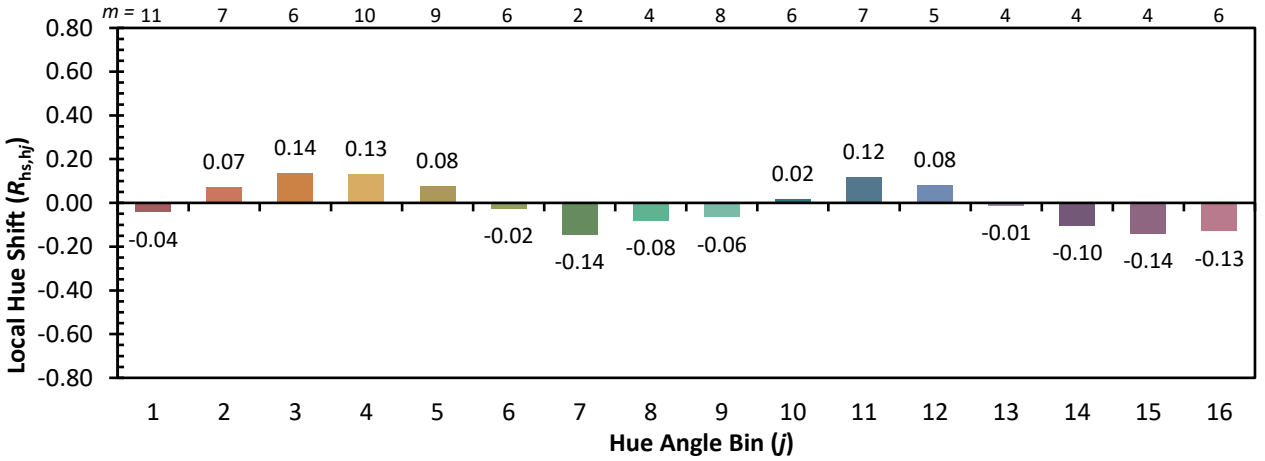


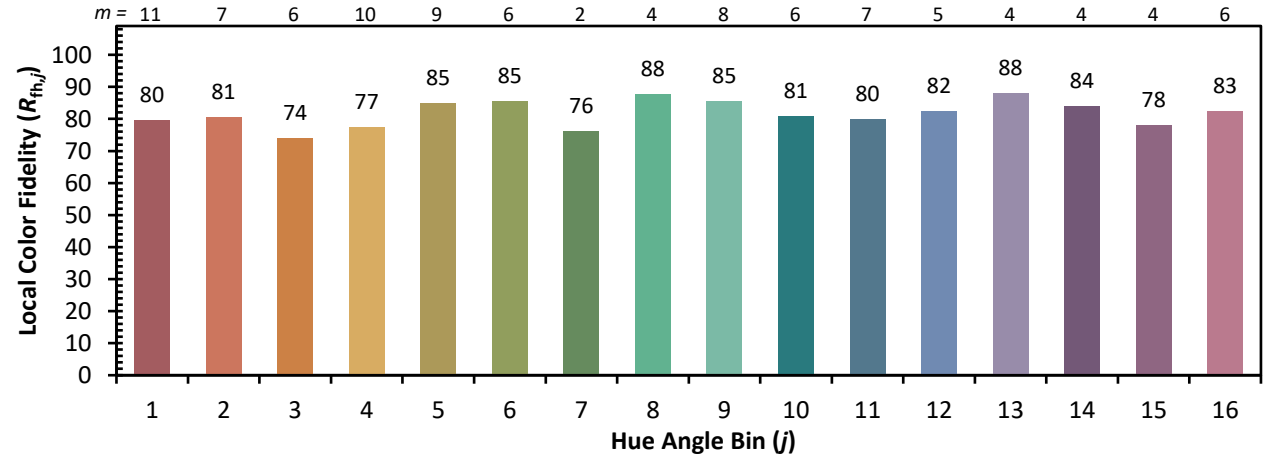
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



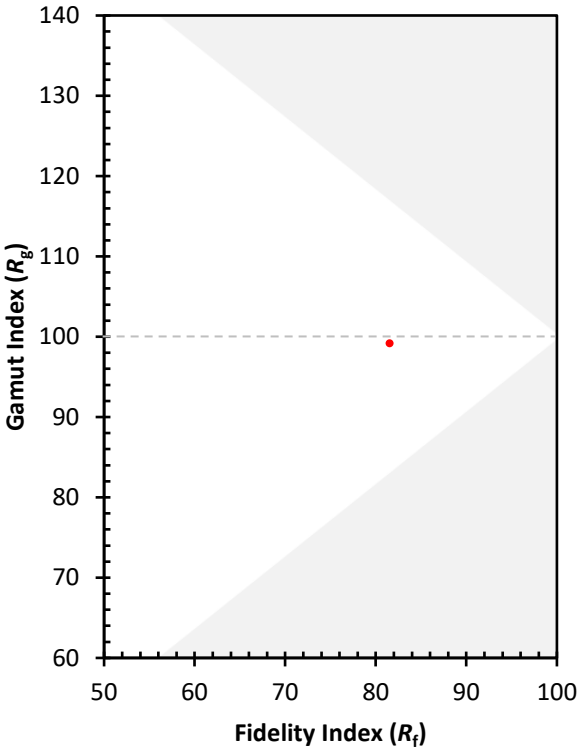


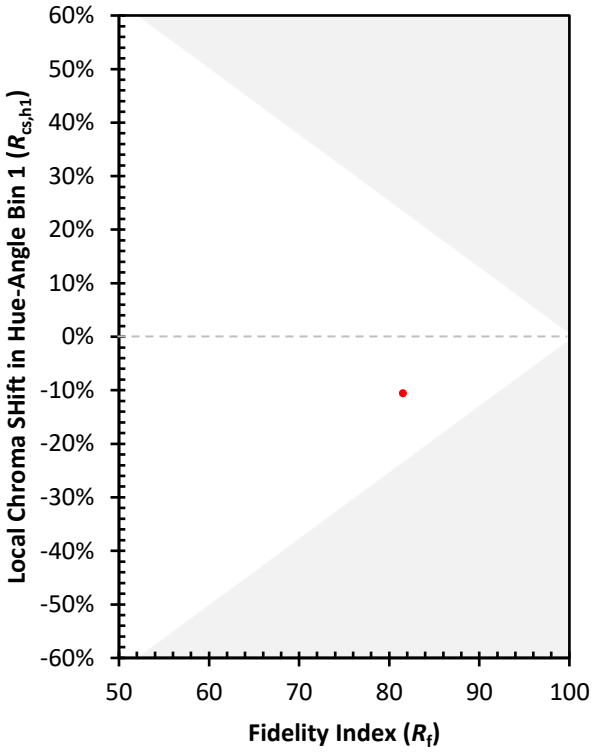


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)