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: P322070

Luminaire Tested: **GLEON-SA6A-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:	P322070
	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-SA6A-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
	OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15757 lumens
Efficiency:	N/A
Efficacy:	81.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G3

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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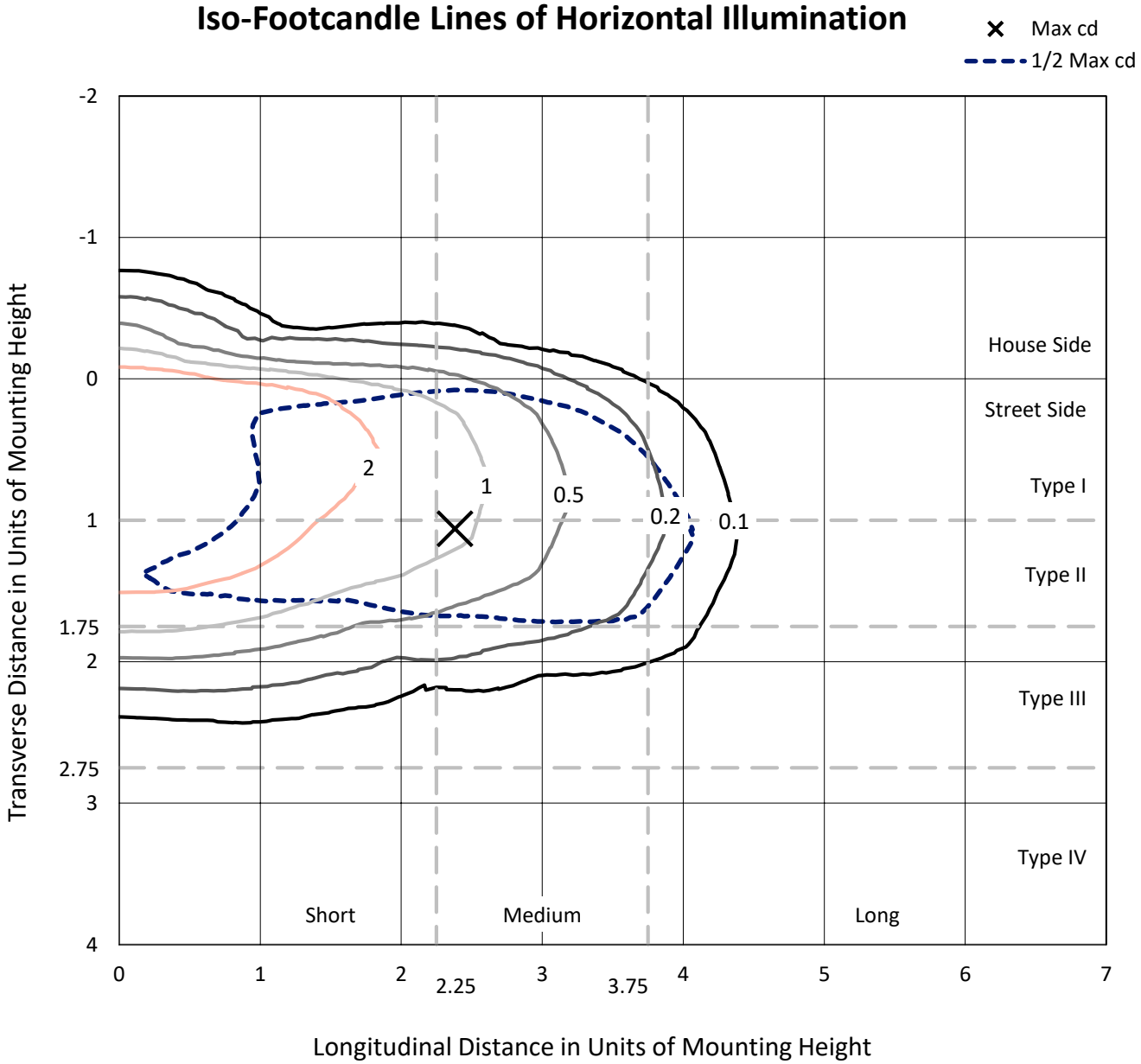
Scaled Data Report

REPORT NUMBER: P322070
CATALOG NUMBER: GLEON-SA6A-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
Type II - Medium - N/A

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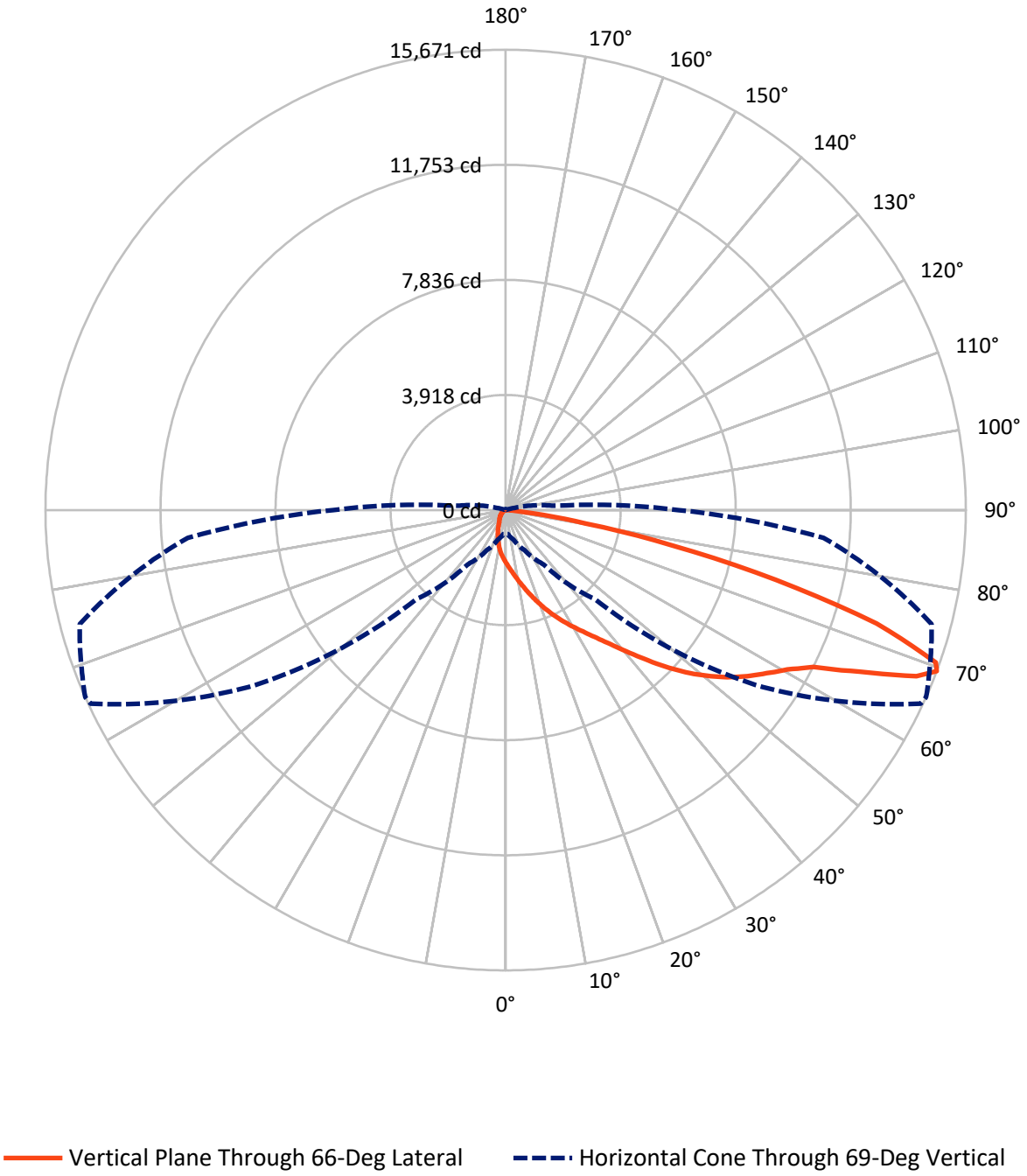
Luminous Intensity Polar Plot



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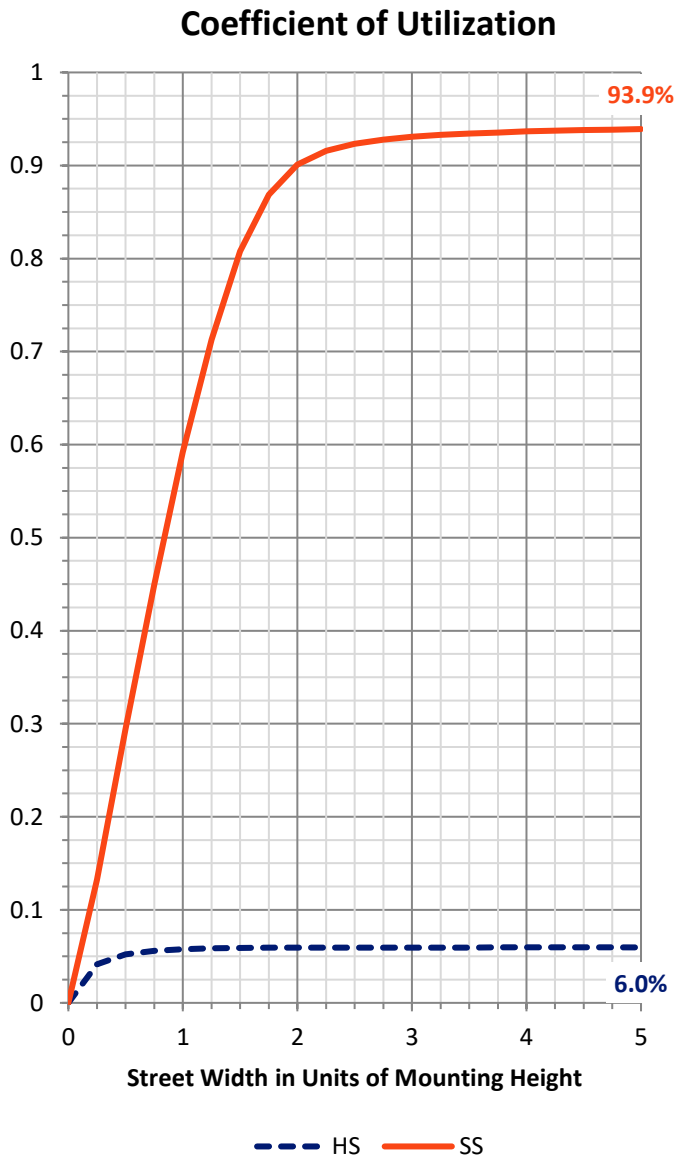
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.2	0.0	945.2
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	14811.8	0.0	14811.8
	% Fixture	94.0	0.0	94.0
Total	Lumens	15757.0	0.0	15757.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	1.1
10°-20°	515.9	3.3
20°-30°	898.3	5.7
30°-40°	1576.1	10.0
40°-50°	2638.2	16.7
50°-60°	3877.9	24.6
60°-70°	3981.6	25.3
70°-80°	1965.6	12.5
80°-90°	130.0	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°	15757.0	100.0
0°-180°	15757.0	100.0



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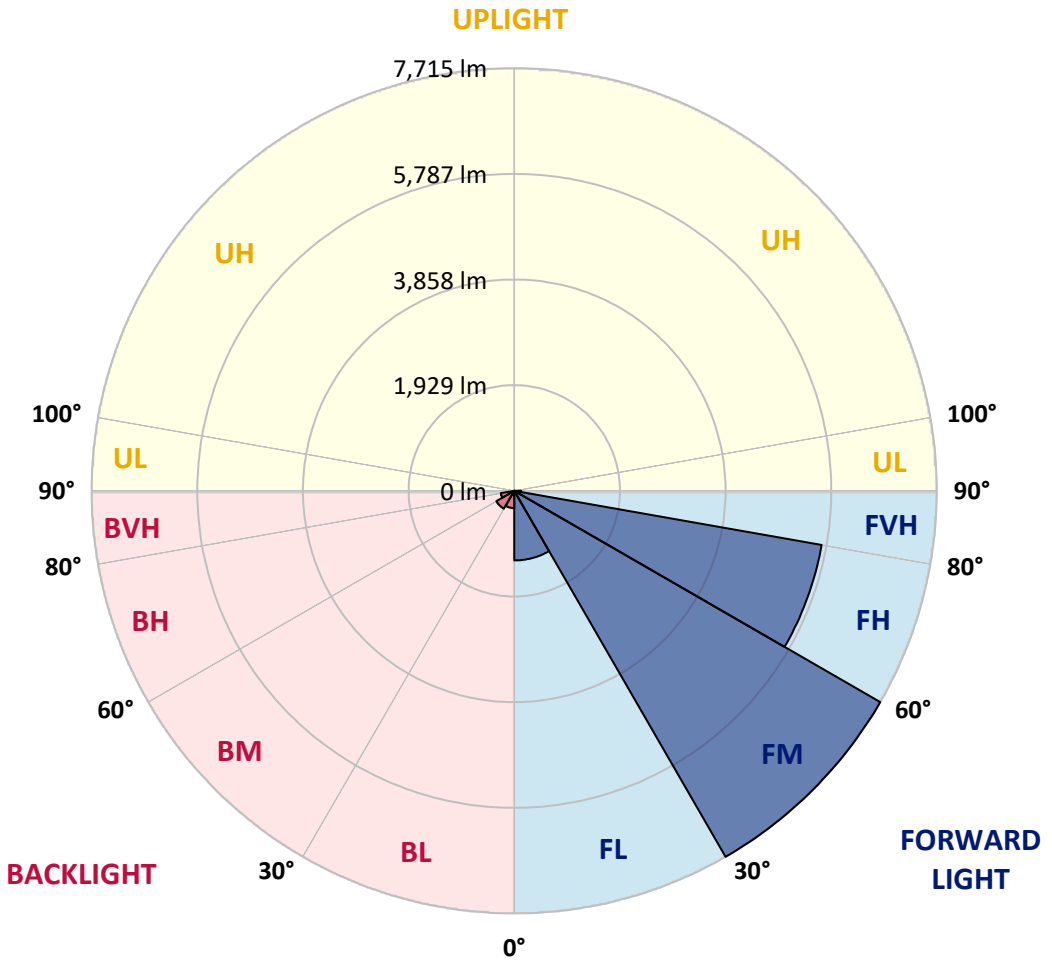
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1271.4	8.1			
FM	(30°-60°)	7715.4	49.0			
FH	(60°-80°)	5698.2	36.2			G3/7500
FVH	(80°-90°)	126.8	0.8			G2/225
BL	(0°-30°)	316.1	2.0	B1/500		
BM	(30°-60°)	376.9	2.4	B1/1000		
BH	(60°-80°)	249.1	1.6	B1/500		G1/500
BVH	(80°-90°)	3.1	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-G3
Type II Medium



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REPORT NUMBER: P322070
CATALOG NUMBER: GLEON-SA6A-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	*1793.2*	1793.2	1793.2
2.5°	2110.5	2101.5	2097.8	2081.3	2052.9	2031.2	1989.3	1940.6	*1931.7*	1884.5	1826.9
5°	2384.4	2377.0	2371.7	2348.5	2319.3	2264.7	2188.4	2097.8	*2080.6*	1990.8	1875.5
7.5°	2575.3	2588.8	2588.8	2573.8	2537.1	2496.0	2402.4	2278.9	*2257.2*	2119.5	1940.6
10°	2686.8	2703.3	2716.0	2728.7	2723.5	2707.0	2618.7	2479.5	*2453.3*	2270.7	2016.2
12.5°	2697.3	2713.7	2749.7	2802.8	2854.4	2891.9	2836.5	2701.8	*2671.8*	2445.8	2106.0
15°	2638.9	2656.1	2711.5	2814.8	2939.8	3049.0	3067.0	2948.0	*2917.3*	2654.6	2218.3
17.5°	2537.1	2548.3	2627.7	2770.6	2966.7	3167.3	3275.8	3212.2	*3183.7*	2893.4	2343.3
20°	2461.5	2469.8	2539.4	2692.8	2950.2	3241.4	3473.4	3492.8	*3462.9*	3149.3	2478.7
22.5°	2591.0	2606.0	2608.2	2680.8	2905.3	3278.0	3647.0	3769.0	*3746.6*	3421.0	2612.0
25°	2945.0	2962.2	2905.3	2860.4	2943.5	3294.5	3795.9	4051.9	*4033.9*	3713.6	2745.9
27.5°	3412.8	3430.7	3357.4	3223.4	3143.3	3356.6	3928.4	4339.3	*4338.5*	4023.5	2890.4
30°	3872.3	3890.2	3815.4	3681.4	3497.3	3532.5	4042.9	4640.2	*4644.7*	4343.0	3043.8
32.5°	4354.3	4376.7	4299.6	4127.5	3935.2	3836.4	4203.8	4942.5	*4968.0*	4713.5	3216.7
35°	4902.1	4905.1	4796.6	4616.2	4394.7	4242.8	4462.0	5281.5	*5342.2*	5172.3	3436.0
37.5°	5439.5	5461.2	5372.1	5087.7	4884.1	4712.0	4846.0	5705.2	*5791.2*	5732.8	3722.6
40°	5837.6	5883.3	5870.6	5563.7	5370.6	5247.9	5322.7	6208.8	*6318.1*	6385.5	4084.1
42.5°	6087.6	6122.0	6180.4	5995.5	5820.4	5840.6	5885.5	6795.6	*6930.3*	7129.4	4499.5
45°	6374.2	6390.7	6439.3	6357.8	6239.5	6443.1	6482.8	7456.4	*7597.9*	7929.4	4960.5
47.5°	6724.5	6763.4	6776.9	6702.0	6648.2	6976.0	7058.3	8057.4	*8255.7*	8786.4	5448.4
50°	7170.5	7181.0	7204.2	7155.6	7101.7	7434.0	7574.7	8688.3	*8868.7*	9646.3	5929.7
52.5°	7606.9	7644.3	7725.1	7694.4	7672.7	7823.9	8035.0	9257.1	*9458.4*	10363.3	6410.2
55°	7732.6	7764.8	8043.9	8234.8	8411.4	8304.4	8475.0	9766.8	*9984.6*	11003.9	6872.7
57.5°	7230.4	7295.5	7779.0	8275.9	9008.6	9051.3	9079.7	10289.9	*10485.3*	11494.9	7353.9
60°	5961.1	5973.8	6767.1	7619.6	8909.9	9703.2	9962.9	10852.0	*11015.9*	11952.2	7930.2
62.5°	3791.5	3920.9	4791.3	5994.8	7865.1	9608.9	11030.9	11702.2	*11762.1*	12500.7	8756.4
65°	1805.9	1889.7	2516.9	3703.9	5696.9	8401.7	11768.0	13240.2	*13267.1*	13588.2	9860.3
67.5°	999.9	1040.3	1338.9	1993.8	3330.4	5941.6	11470.2	15061.8	*15087.3*	14698.8	10828.8
69°	*782.1*	*816.5*	*1051.5*	*1502.8*	*2258.0*	*4270.4*	*10379.7*	*15595.4*	*15671.0*	*15016.9*	*10863.2*
70°	663.8	697.5	905.6	1269.3	1815.6	3299.8	9239.2	15463.0	*15543.0*	14987.0	10606.5
72.5°	406.4	425.8	603.2	893.6	1216.9	1660.0	5697.7	13077.0	*13212.5*	13747.6	9115.7
75°	273.9	284.4	377.2	616.7	870.4	854.7	2960.0	9217.5	*9510.8*	10694.1	6732.7
77.5°	196.1	205.8	253.0	398.9	610.0	564.3	1340.4	5728.4	*5791.2*	6413.9	3671.7
80°	111.5	120.5	178.9	237.2	413.9	376.5	532.9	2736.2	*2767.6*	2750.4	1225.9
82.5°	58.4	65.9	98.0	156.4	265.7	246.2	221.5	916.1	*920.5*	765.6	268.7
85°	11.2	13.5	48.6	107.0	137.0	107.0	90.6	214.8	*219.3*	193.8	66.6
87.5°	0.0	0.7	19.5	23.9	26.9	27.7	29.2	41.9	*44.9*	60.6	18.0
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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Scaled Data Report

REPORT NUMBER: P322070
CATALOG NUMBER: GLEON-SA6A-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2	1793.2
2.5°	1801.4	1774.5	1722.8	1663.0	1616.6	1570.9	1535.0	1497.6	1484.1	1477.4	1476.6
5°	1819.4	1762.5	1653.2	1541.0	1448.9	1362.1	1300.0	1240.9	1213.2	1200.5	1195.2
7.5°	1849.3	1758.0	1582.1	1410.8	1278.3	1169.8	1083.7	1019.3	987.2	973.7	968.4
10°	1884.5	1752.0	1499.1	1273.1	1103.9	991.6	906.3	842.7	807.5	792.6	785.1
12.5°	1925.7	1741.6	1403.3	1133.8	955.0	842.7	739.4	660.8	620.4	603.2	595.0
15°	1976.6	1731.1	1303.0	1002.9	824.0	687.0	574.0	520.9	512.7	509.7	510.4
17.5°	2026.7	1714.6	1193.7	873.4	686.3	536.6	479.0	476.0	477.5	477.5	477.5
20°	2071.6	1677.2	1074.7	762.6	555.3	452.8	440.8	435.6	431.8	428.8	425.1
22.5°	2106.8	1627.0	960.2	652.6	453.5	414.6	395.9	379.4	366.0	357.0	352.5
25°	2130.7	1560.4	855.4	547.1	407.9	377.2	343.5	315.8	294.9	282.2	276.9
27.5°	2148.7	1488.6	761.9	458.0	376.5	333.8	289.6	256.7	235.0	223.8	219.3
30°	2161.4	1407.0	679.6	402.6	341.3	288.1	241.0	208.8	193.1	187.1	184.1
32.5°	2173.4	1316.5	601.7	376.5	308.3	246.2	202.1	177.4	167.6	160.2	157.9
35°	2203.3	1232.6	527.6	348.8	274.7	210.3	173.6	155.7	145.9	141.5	140.0
37.5°	2274.4	1170.5	456.5	320.3	241.0	181.9	151.9	139.2	130.2	125.7	124.2
40°	2388.9	1139.1	396.7	289.6	208.1	160.2	137.7	125.7	116.0	109.3	107.8
42.5°	2557.3	1143.6	354.7	259.0	181.9	142.9	124.2	110.0	99.5	93.6	92.1
45°	2761.6	1176.5	325.6	229.0	160.2	129.5	109.3	94.3	84.6	79.3	77.8
47.5°	2983.2	1229.6	301.6	202.1	142.9	116.8	94.3	78.6	70.4	65.9	65.1
50°	3216.7	1281.3	276.9	175.9	128.0	104.0	79.3	65.1	58.4	54.6	53.1
52.5°	3453.2	1341.2	254.5	151.9	115.3	89.1	65.9	53.1	47.9	44.9	43.4
55°	3707.6	1386.1	232.8	133.2	102.5	75.6	54.6	44.2	39.7	35.9	35.2
57.5°	4007.0	1455.7	210.3	115.3	87.6	62.9	44.9	35.2	31.4	27.7	26.9
60°	4411.1	1537.2	186.4	101.8	71.8	51.6	36.7	28.4	23.9	21.0	20.2
62.5°	4944.0	1627.8	156.4	89.1	58.4	41.9	29.2	22.5	17.2	13.5	13.5
65°	5619.8	1775.2	128.0	74.8	47.9	34.4	22.5	16.5	9.7	6.0	6.0
67.5°	6014.2	1800.7	103.3	61.4	38.9	29.2	18.7	11.2	3.0	0.7	0.0
69°	*5887.8*	*1653.2*	*87.6*	*52.4*	*33.7*	*27.7*	*17.2*	*8.2*	*1.5*	*0.0*	*0.0*
70°	5649.8	1511.8	77.1	46.4	30.7	26.2	16.5	6.0	1.5	0.0	0.0
72.5°	4668.6	1076.2	58.4	34.4	22.5	23.2	15.0	3.7	1.5	0.0	0.0
75°	3400.8	654.1	41.9	23.9	14.2	17.2	10.5	1.5	0.7	0.0	0.0
77.5°	1892.0	308.3	26.2	13.5	9.0	10.5	5.2	0.0	0.0	0.0	0.0
80°	614.4	83.8	12.0	7.5	5.2	6.0	2.2	0.0	0.0	0.0	0.0
82.5°	113.8	23.9	6.7	3.7	1.5	1.5	0.0	0.0	0.0	0.0	0.0
85°	24.7	9.7	3.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.2	3.0	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

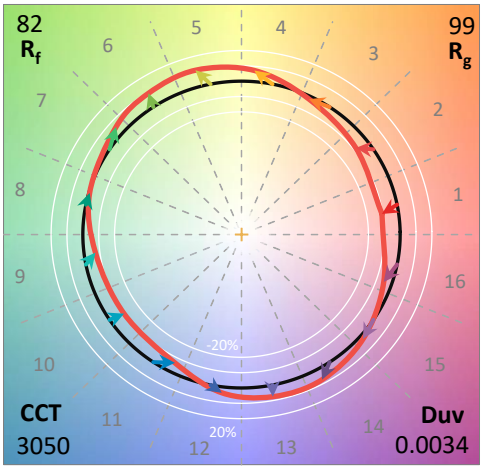
Test Information

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

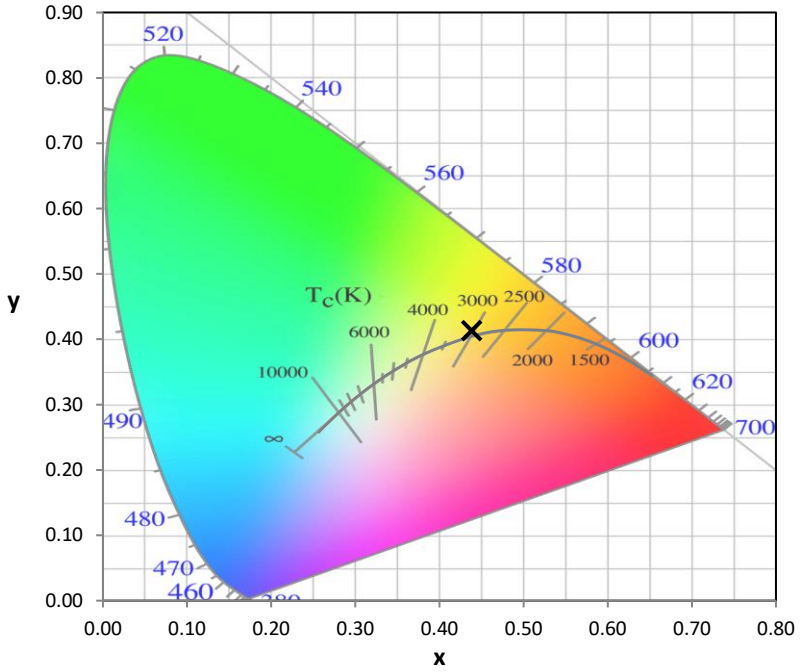
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

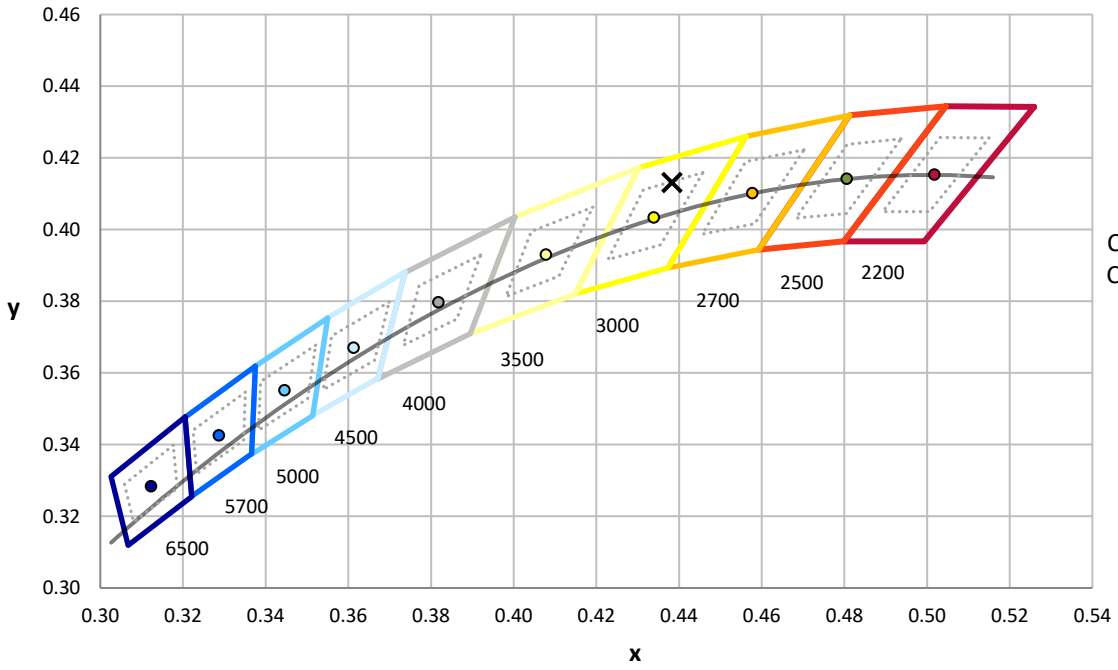
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

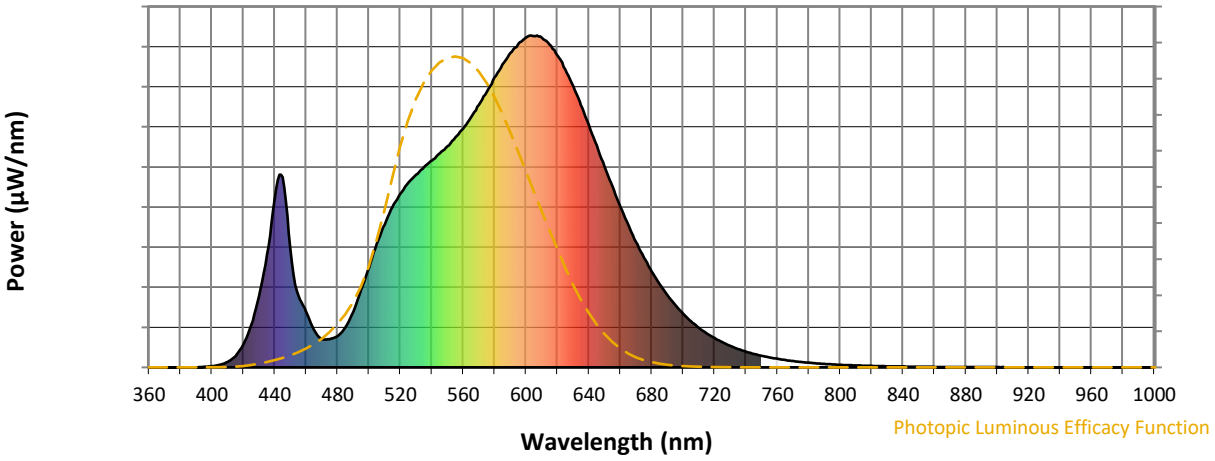


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

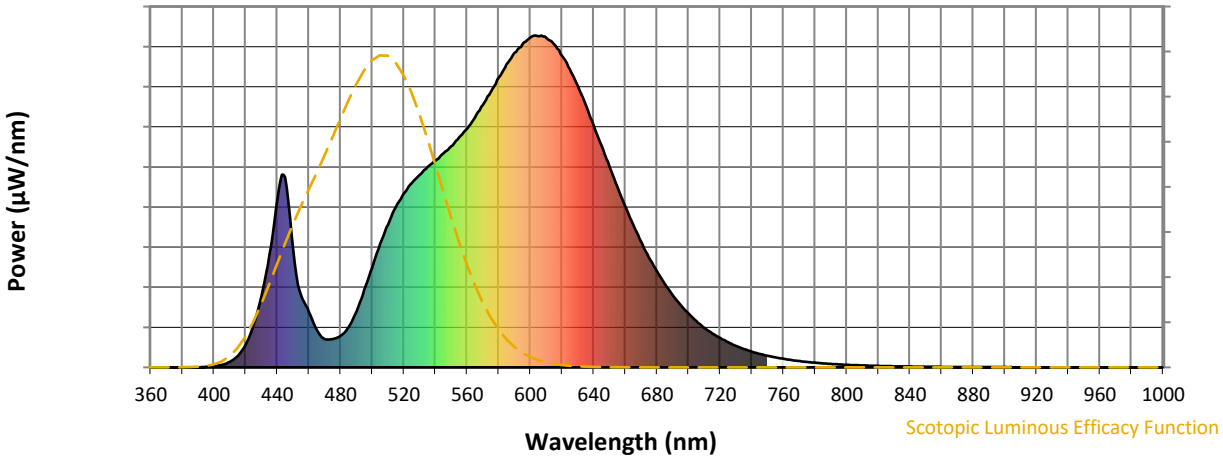


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

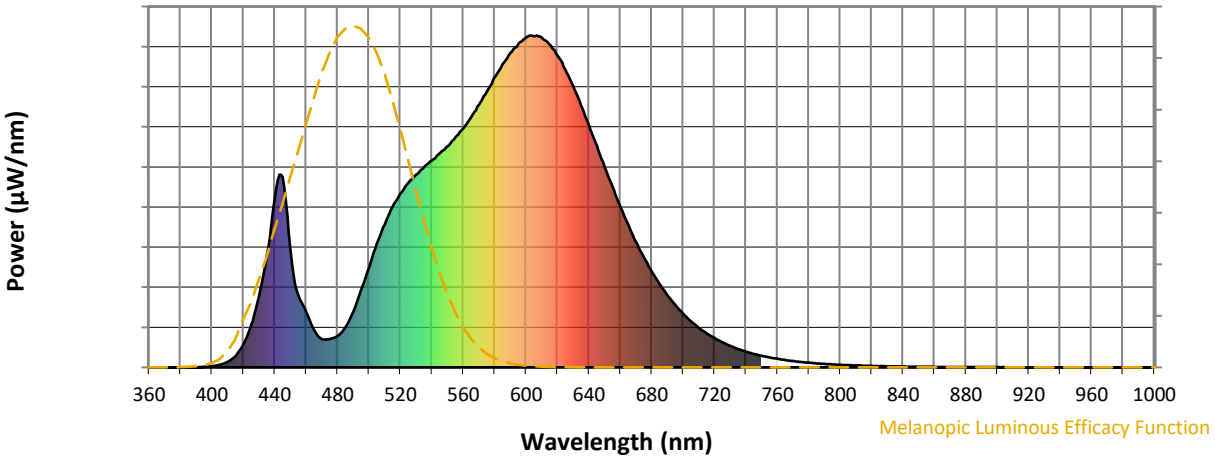


Scotopic Lumens: NR **S/P: 1.27**

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			

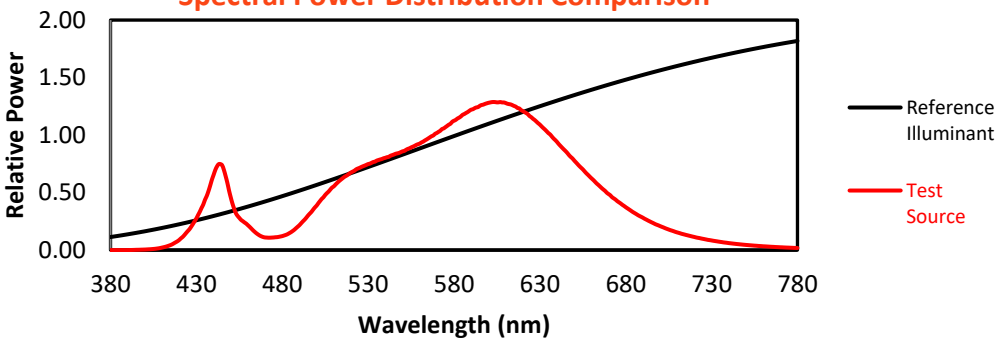
REPORT NUMBER: SP1-2408-195-9

TM-30-18

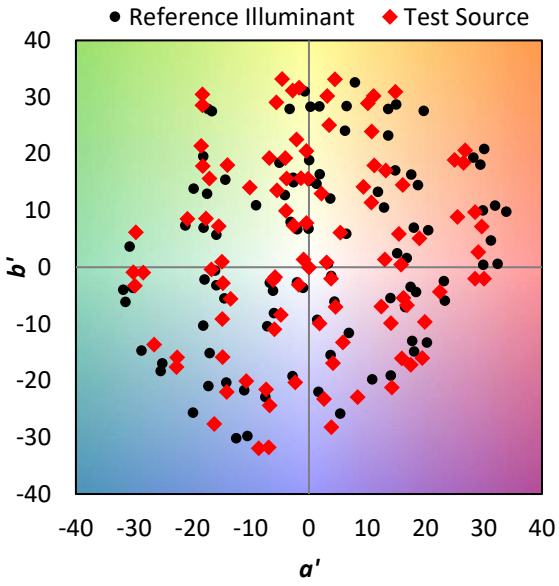
Summary

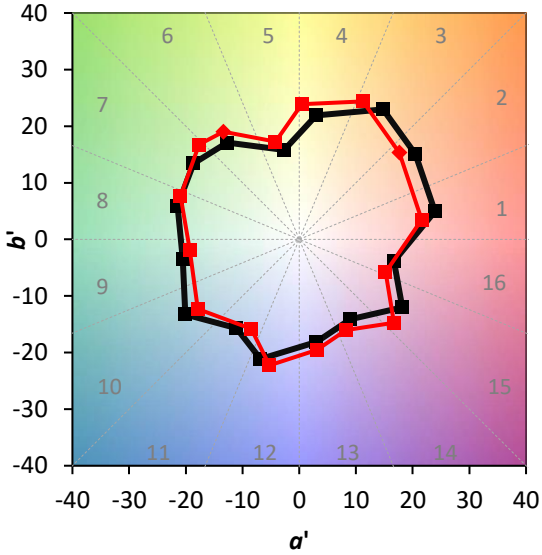
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

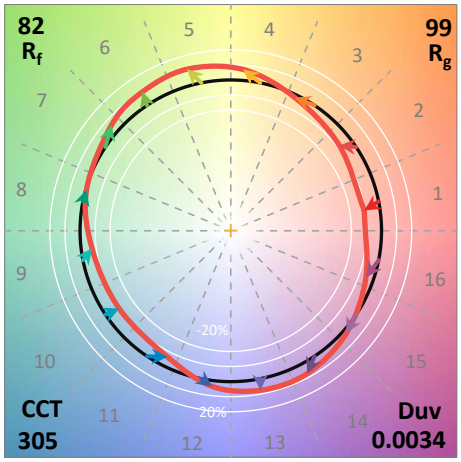
Spectral Power Distribution Comparison

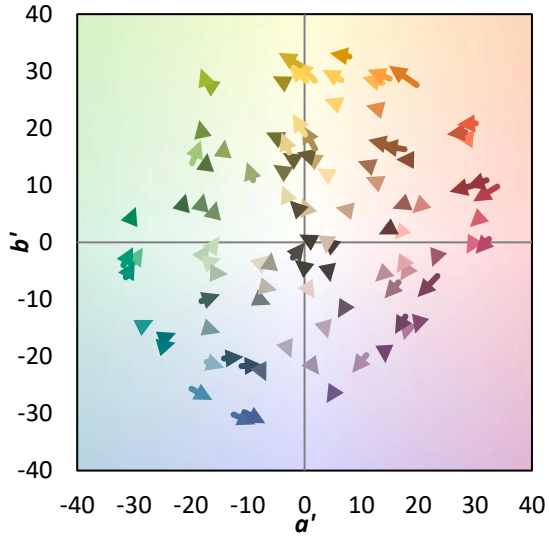


Color Vector Graphics







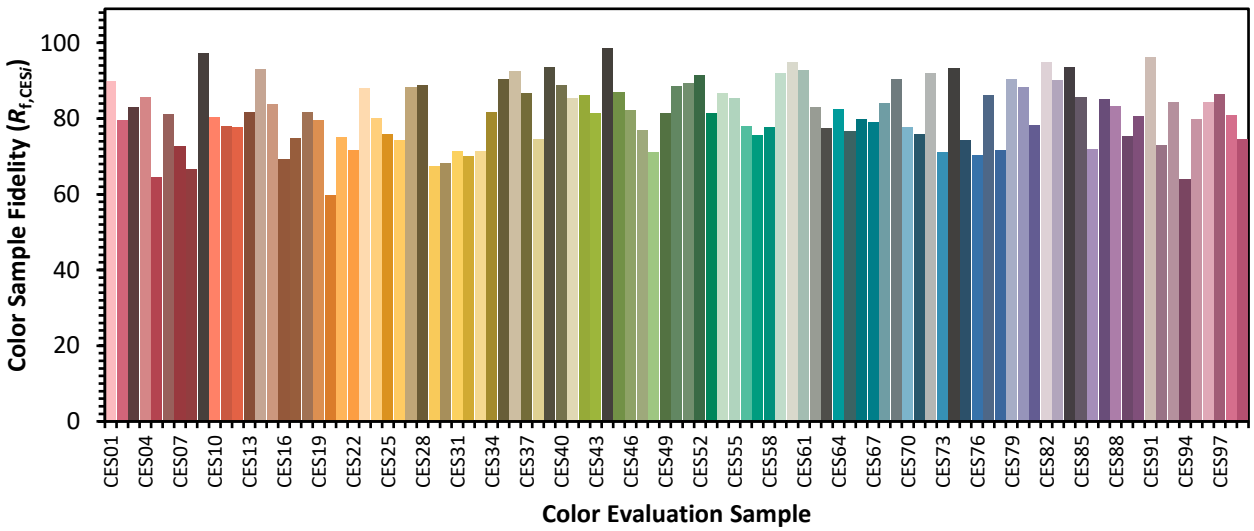


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

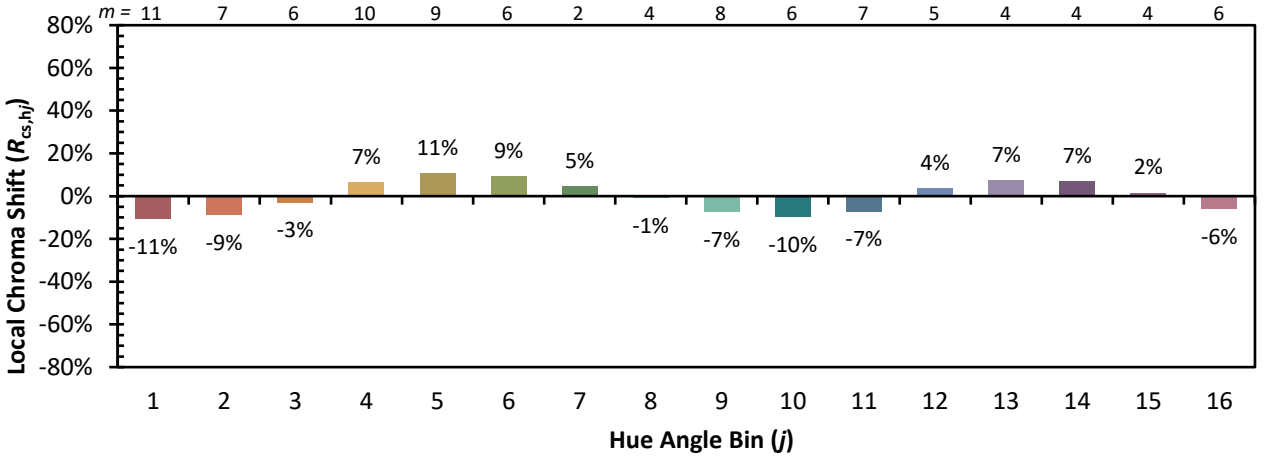
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

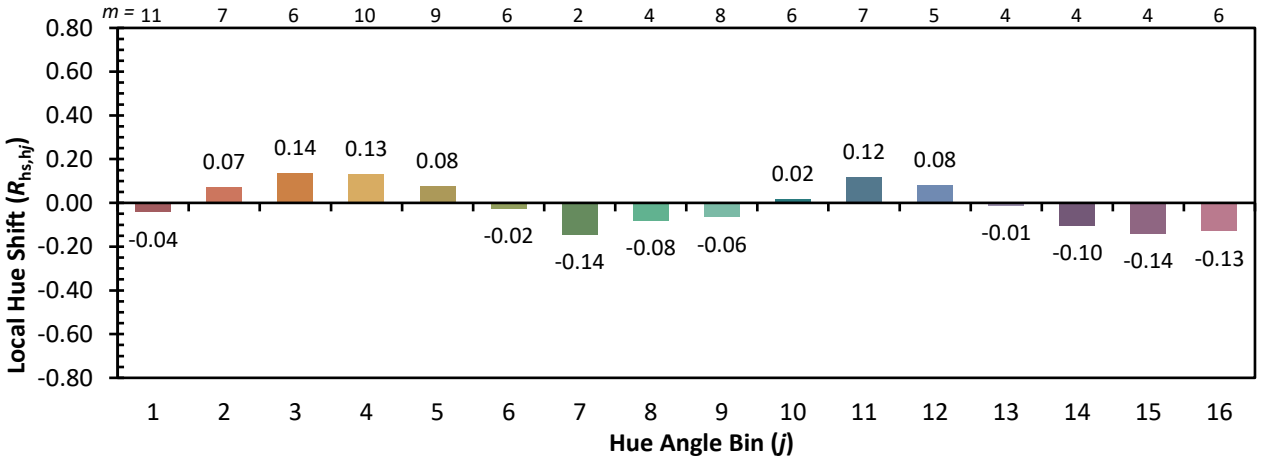


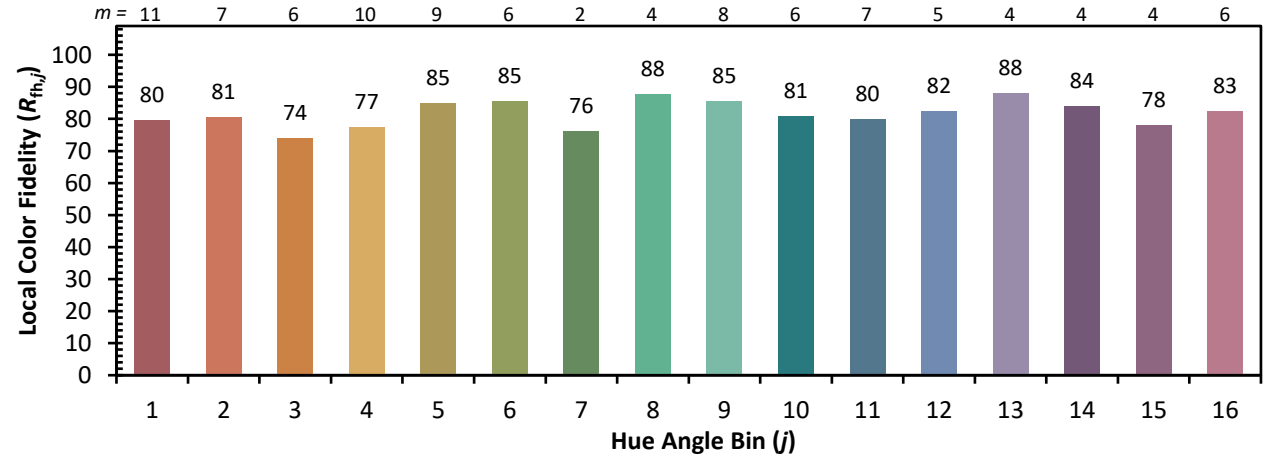
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



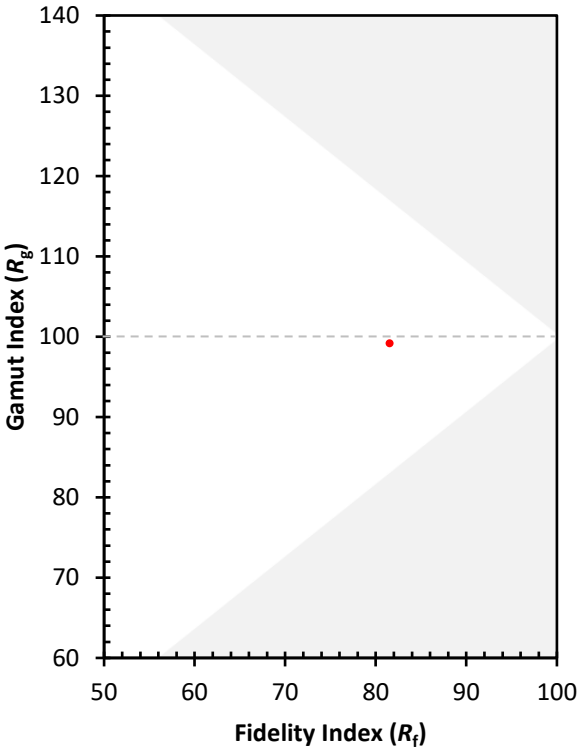


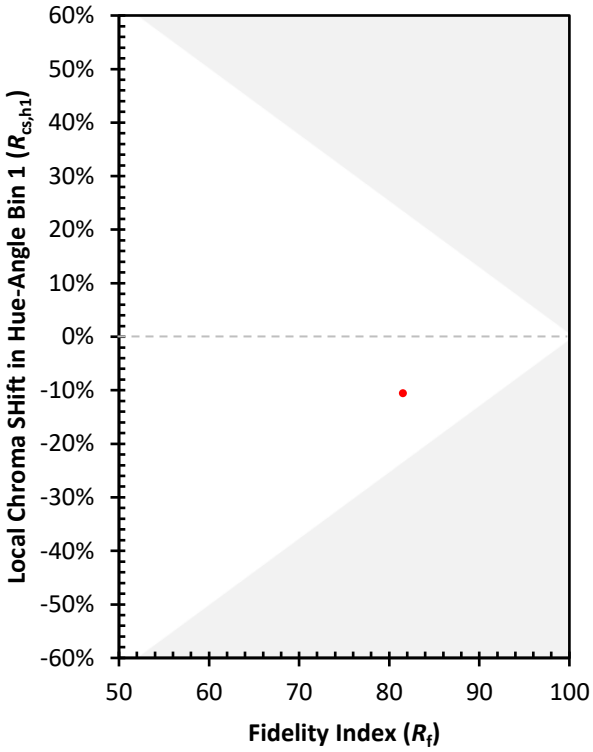


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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