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: P322101

Luminaire Tested: **GLEON-SA7D-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:	P322101
	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-SA7D-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 80 CRI, 3000K, 1200mA 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:	31025 lumens
Efficiency:	N/A
Efficacy:	69.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G4

Input Watts (W):	448
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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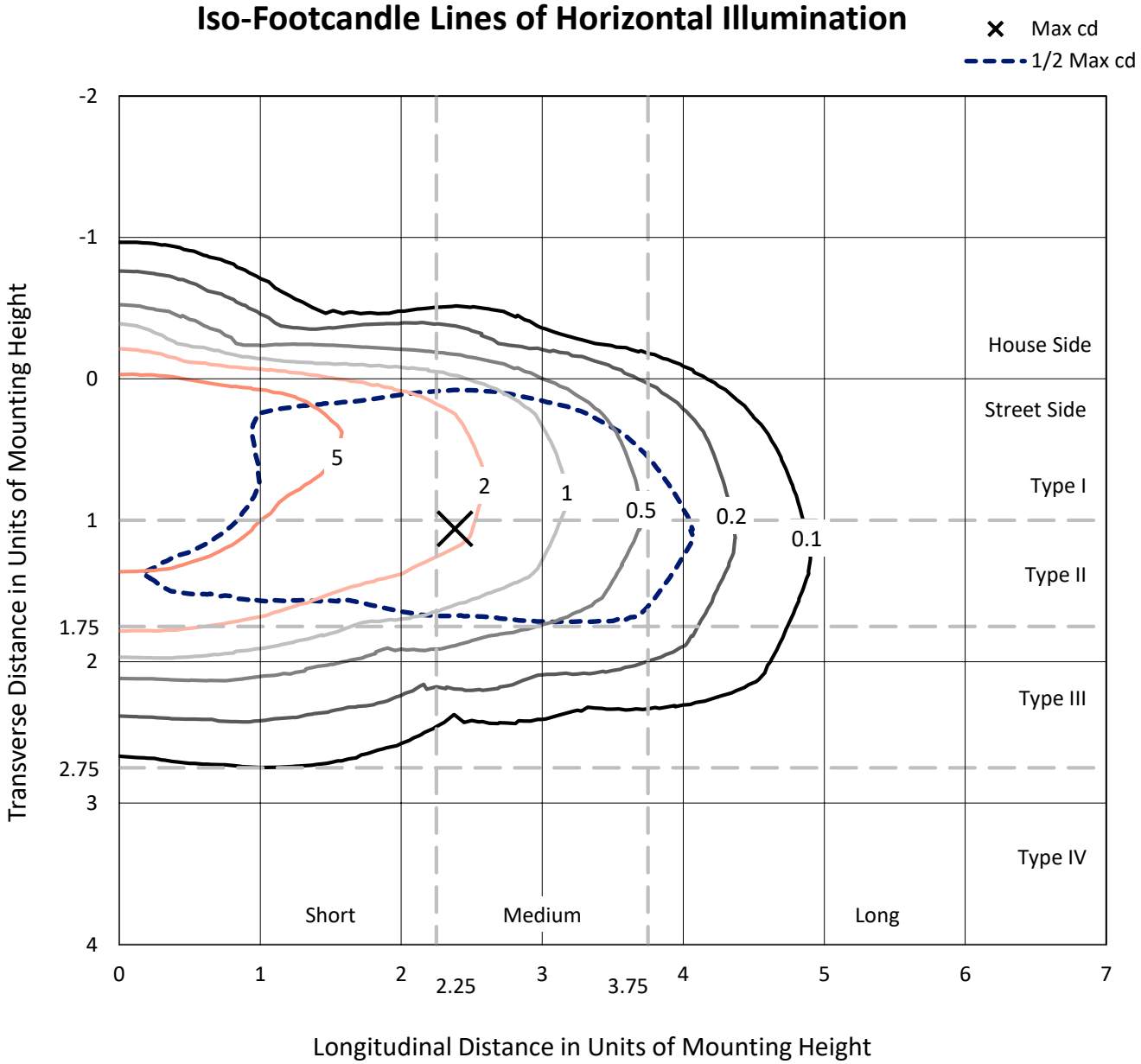
Scaled Data Report

REPORT NUMBER: P322101
CATALOG NUMBER: GLEON-SA7D-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type II - Medium - N/A

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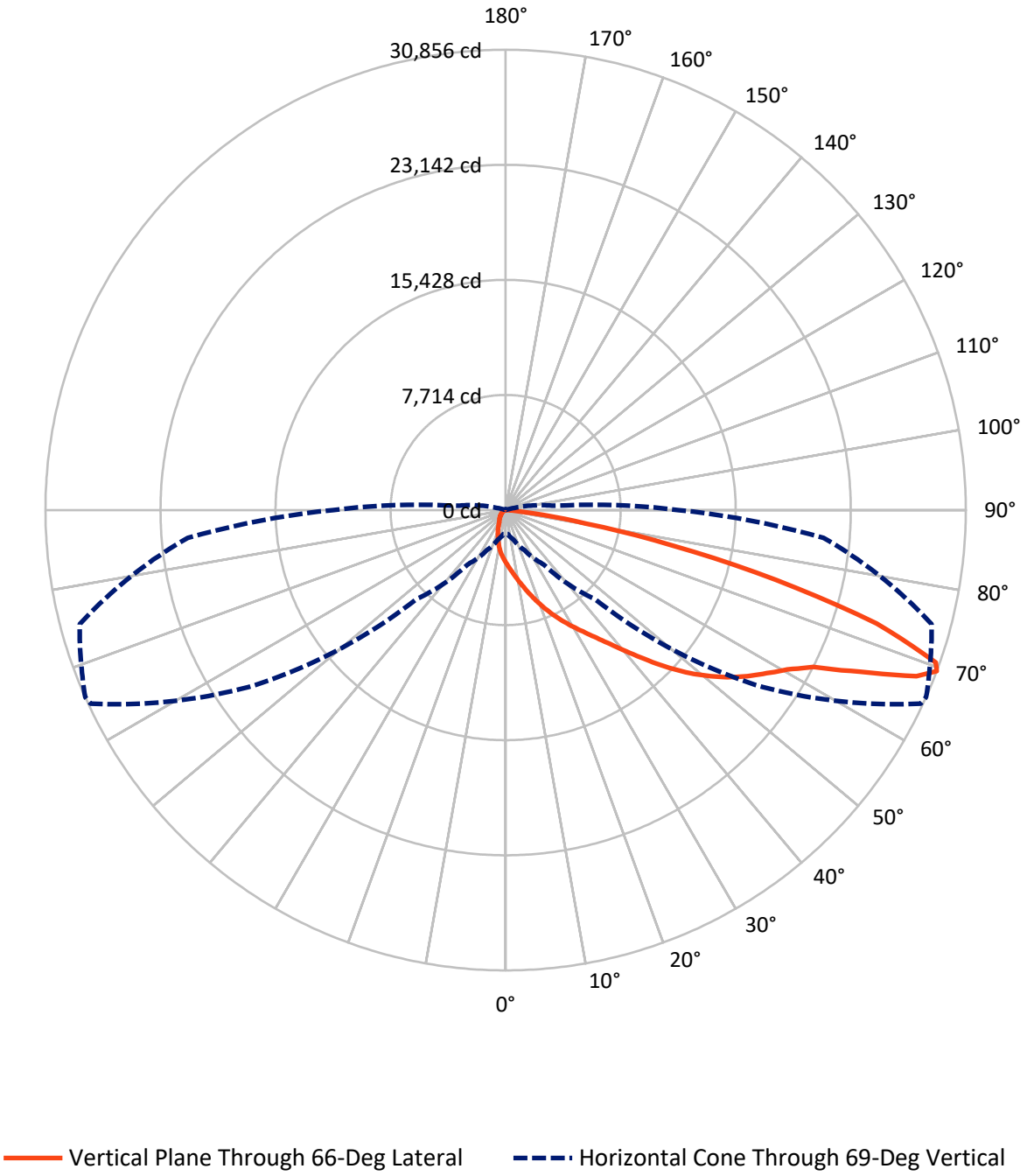
Luminous Intensity Polar Plot



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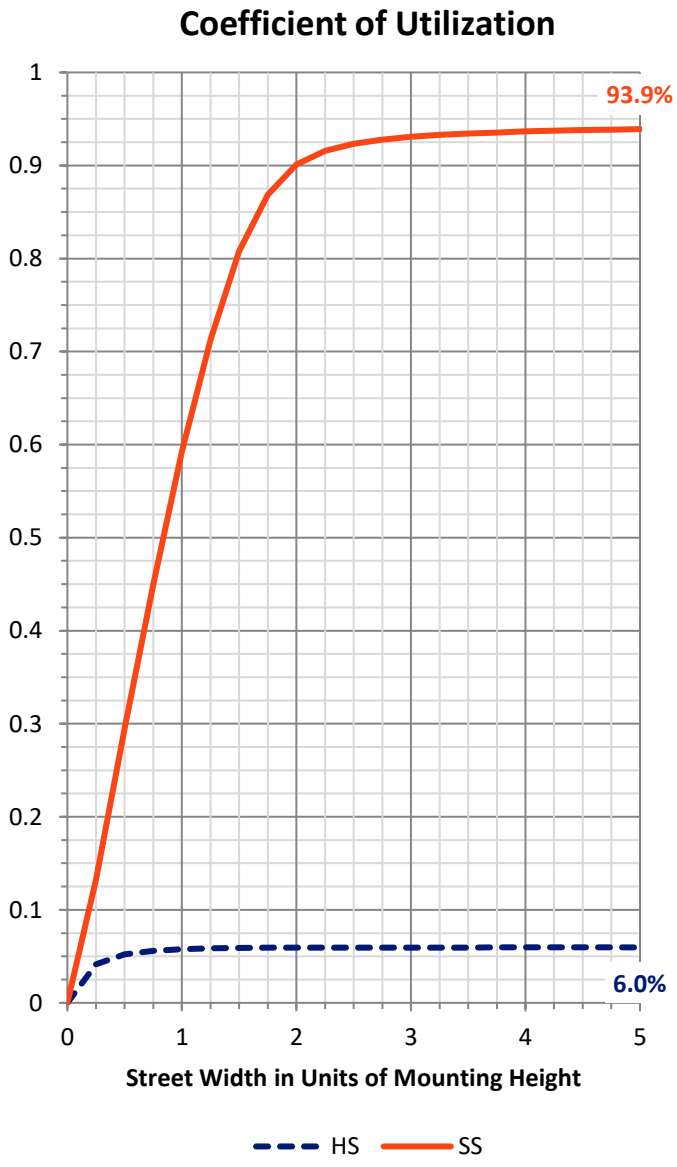
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1861.1	0.0	1861.1
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	29163.9	0.0	29163.9
	% Fixture	94.0	0.0	94.0
Total	Lumens	31025.0	0.0	31025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.3	1.1
10°-20°	1015.8	3.3
20°-30°	1768.8	5.7
30°-40°	3103.3	10.0
40°-50°	5194.5	16.7
50°-60°	7635.5	24.6
60°-70°	7839.7	25.3
70°-80°	3870.2	12.5
80°-90°	255.9	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°	31025.0	100.0
0°-180°	31025.0	100.0



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REPORT NUMBER: P322101
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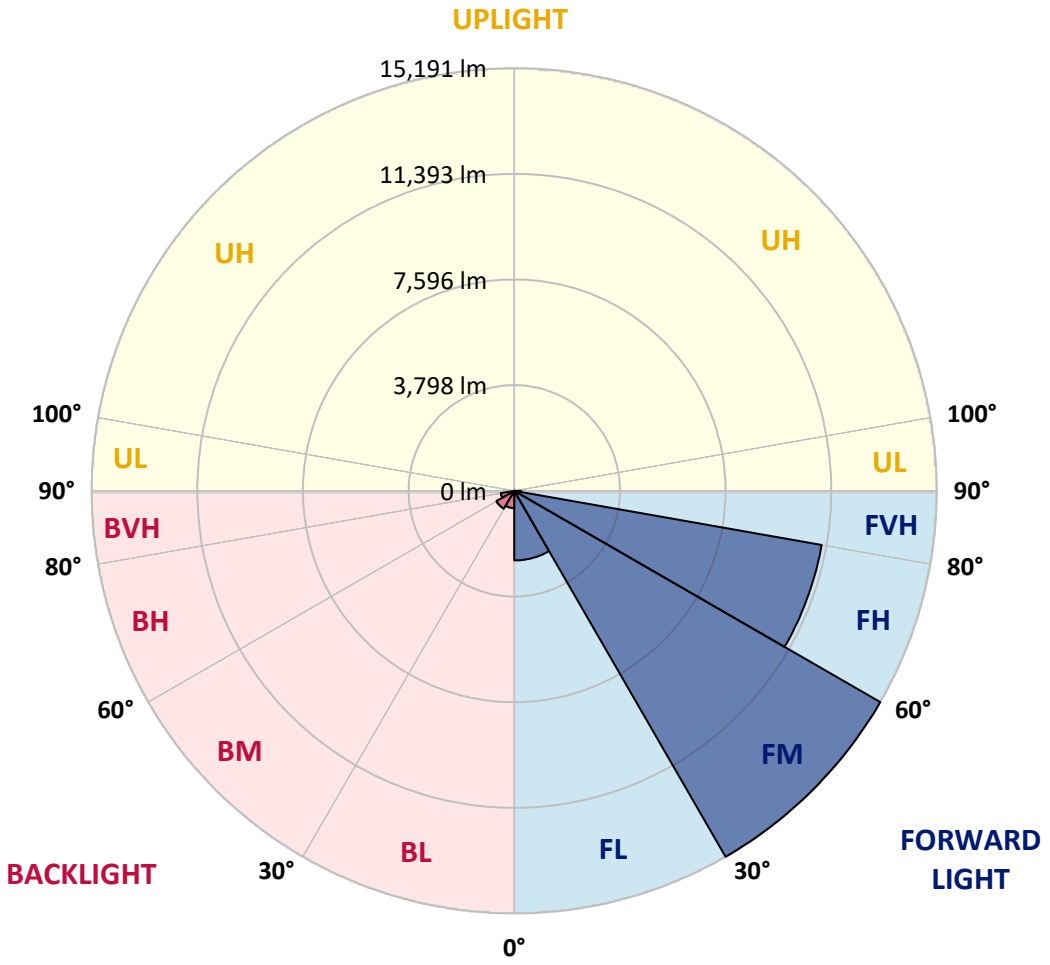
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2503.4	8.1			
FM	(30°-60°)	15191.3	49.0			
FH	(60°-80°)	11219.5	36.2			G4/12000
FVH	(80°-90°)	249.7	0.8			G3/500
BL	(0°-30°)	622.4	2.0	B2/1000		
BM	(30°-60°)	742.0	2.4	B1/1000		
BH	(60°-80°)	490.5	1.6	B1/500		G1/500
BVH	(80°-90°)	6.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type II Medium



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REPORT NUMBER: P322101
CATALOG NUMBER: GLEON-SA7D-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3530.7	3530.7	3530.7	3530.7	3530.7	3530.7	3530.7	3530.7	*3530.7*	3530.7	3530.7
2.5°	4155.6	4137.9	4130.5	4098.1	4042.1	3999.3	3916.8	3821.0	*3803.4*	3710.5	3597.1
5°	4694.9	4680.2	4669.8	4624.2	4566.7	4459.1	4308.8	4130.5	*4096.6*	3919.8	3692.8
7.5°	5070.7	5097.2	5097.2	5067.7	4995.5	4914.5	4730.3	4487.1	*4444.4*	4173.2	3821.0
10°	5290.2	5322.6	5347.7	5372.7	5362.4	5330.0	5156.1	4882.0	*4830.5*	4470.9	3969.9
12.5°	5310.9	5343.3	5414.0	5518.6	5620.3	5694.0	5584.9	5319.7	*5260.8*	4815.7	4146.7
15°	5195.9	5229.8	5338.9	5542.2	5788.3	6003.4	6038.8	5804.5	*5744.1*	5226.9	4367.7
17.5°	4995.5	5017.6	5173.8	5455.3	5841.3	6236.3	6449.9	6324.7	*6268.7*	5696.9	4613.8
20°	4846.7	4862.9	4999.9	5302.0	5808.9	6382.2	6839.0	6877.3	*6818.3*	6200.9	4880.6
22.5°	5101.6	5131.1	5135.5	5278.4	5720.5	6454.4	7180.9	7421.0	*7376.8*	6735.8	5142.9
25°	5798.6	5832.5	5720.5	5632.1	5795.7	6486.8	7474.1	7978.1	*7942.7*	7312.0	5406.6
27.5°	6719.6	6755.0	6610.6	6346.8	6189.1	6609.1	7734.9	8543.9	*8542.5*	7922.1	5691.0
30°	7624.4	7659.8	7512.4	7248.6	6886.1	6955.4	7960.4	9136.3	*9145.2*	8551.3	5993.1
32.5°	8573.4	8617.6	8465.8	8126.9	7748.2	7553.7	8277.2	9731.7	*9781.8*	9280.7	6333.5
35°	9652.1	9658.0	9444.3	9089.2	8653.0	8353.8	8785.6	10399.2	*10518.6*	10184.0	6765.3
37.5°	10710.1	10752.9	10577.5	10017.5	9616.7	9277.8	9541.6	11233.2	*11402.7*	11287.8	7329.7
40°	11494.1	11584.0	11558.9	10954.7	10574.6	10332.9	10480.2	12225.0	*12440.1*	12572.8	8041.4
42.5°	11986.3	12054.0	12169.0	11805.0	11460.2	11500.0	11588.4	13380.3	*13645.5*	14037.5	8859.3
45°	12550.6	12583.1	12678.9	12518.2	12285.4	12686.2	12764.3	14681.5	*14960.0*	15612.8	9767.0
47.5°	13240.3	13316.9	13343.4	13196.1	13090.0	13735.4	13897.5	15864.8	*16255.3*	17300.1	10727.8
50°	14118.6	14139.2	14184.9	14089.1	13983.0	14637.3	14914.3	17107.0	*17462.2*	18993.2	11675.3
52.5°	14977.7	15051.3	15210.5	15150.1	15107.3	15405.0	15820.6	18227.0	*18623.4*	20404.9	12621.4
55°	15225.2	15288.6	15838.2	16214.0	16561.8	16351.1	16687.0	19230.5	*19659.3*	21666.3	13532.1
57.5°	14236.4	14364.6	15316.6	16295.1	17737.7	17821.7	17877.7	20260.5	*20645.1*	22633.0	14479.6
60°	11737.2	11762.3	13324.3	15002.7	17543.2	19105.2	19616.6	21367.2	*21689.9*	23533.4	15614.3
62.5°	7465.3	7720.2	9434.0	11803.5	15486.1	18919.5	21719.4	23041.2	*23159.1*	24613.5	17241.1
65°	3555.8	3720.8	4955.7	7292.8	11217.0	16542.6	23170.9	26069.5	*26122.5*	26754.7	19414.7
67.5°	1968.7	2048.3	2636.3	3925.7	6557.5	11698.9	22584.4	29656.2	*29706.3*	28941.5	21321.5
69°	*1539.9*	*1607.7*	*2070.4*	*2959.0*	*4445.8*	*8408.4*	*20437.4*	*30706.9*	*30855.7*	*29567.8*	*21389.3*
70°	1307.1	1373.4	1783.1	2499.2	3575.0	6497.1	18191.6	30446.0	*30603.7*	29508.8	20883.9
72.5°	800.2	838.5	1187.7	1759.5	2396.1	3268.4	11218.5	25748.2	*26014.9*	27068.6	17948.4
75°	539.3	560.0	742.7	1214.2	1713.8	1682.9	5828.1	18148.9	*18726.5*	21056.3	13256.5
77.5°	386.1	405.2	498.1	785.4	1201.0	1111.1	2639.2	11278.9	*11402.7*	12628.7	7229.5
80°	219.6	237.2	352.2	467.1	814.9	741.2	1049.2	5387.5	*5449.4*	5415.5	2413.8
82.5°	114.9	129.7	193.0	308.0	523.1	484.8	436.2	1803.7	*1812.5*	1507.5	529.0
85°	22.1	26.5	95.8	210.7	269.7	210.7	178.3	422.9	*431.8*	381.7	131.2
87.5°	0.0	1.5	38.3	47.2	53.0	54.5	57.5	82.5	*88.4*	119.4	35.4
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: P322101
CATALOG NUMBER: GLEON-SA7D-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3530.7	3530.7	3530.7	3530.7	3530.7	3530.7	3530.7	3530.7	3530.7	3530.7	3530.7
2.5°	3547.0	3493.9	3392.2	3274.3	3183.0	3093.1	3022.4	2948.7	2922.1	2908.9	2907.4
5°	3582.3	3470.3	3255.2	3034.1	2852.9	2682.0	2559.6	2443.2	2388.7	2363.7	2353.3
7.5°	3641.3	3461.5	3115.2	2777.7	2516.9	2303.2	2133.8	2007.0	1943.7	1917.2	1906.8
10°	3710.5	3449.7	2951.6	2506.6	2173.6	1952.5	1784.5	1659.3	1590.0	1560.5	1545.8
12.5°	3791.6	3429.1	2763.0	2232.5	1880.3	1659.3	1455.9	1301.2	1221.6	1187.7	1171.5
15°	3891.8	3408.4	2565.5	1974.6	1622.4	1352.8	1130.3	1025.6	1009.4	1003.5	1005.0
17.5°	3990.5	3376.0	2350.4	1719.7	1351.3	1056.6	943.1	937.2	940.2	940.2	940.2
20°	4078.9	3302.3	2116.1	1501.6	1093.4	891.5	868.0	857.6	850.3	844.4	837.0
22.5°	4148.2	3203.6	1890.6	1285.0	893.0	816.4	779.5	747.1	720.6	702.9	694.1
25°	4195.3	3072.5	1684.3	1077.2	803.1	742.7	676.4	621.9	580.6	555.5	545.2
27.5°	4230.7	2931.0	1500.1	901.8	741.2	657.2	570.3	505.4	462.7	440.6	431.8
30°	4255.8	2770.4	1338.0	792.8	672.0	567.3	474.5	411.1	380.2	368.4	362.5
32.5°	4279.3	2592.1	1184.8	741.2	607.1	484.8	397.9	349.2	330.1	315.4	310.9
35°	4338.3	2427.0	1038.9	686.7	540.8	414.1	341.9	306.5	287.4	278.5	275.6
37.5°	4478.3	2304.7	898.9	630.7	474.5	358.1	299.1	274.1	256.4	247.6	244.6
40°	4703.7	2242.8	781.0	570.3	409.7	315.4	271.1	247.6	228.4	215.1	212.2
42.5°	5035.3	2251.7	698.5	509.9	358.1	281.5	244.6	216.6	196.0	184.2	181.3
45°	5437.6	2316.5	641.0	450.9	315.4	254.9	215.1	185.7	166.5	156.2	153.3
47.5°	5873.8	2421.1	593.9	397.9	281.5	229.9	185.7	154.7	138.5	129.7	128.2
50°	6333.5	2522.8	545.2	346.3	252.0	204.8	156.2	128.2	114.9	107.6	104.6
52.5°	6799.2	2640.7	501.0	299.1	226.9	175.4	129.7	104.6	94.3	88.4	85.5
55°	7300.2	2729.1	458.3	262.3	201.9	148.8	107.6	86.9	78.1	70.7	69.3
57.5°	7889.7	2866.2	414.1	226.9	172.4	123.8	88.4	69.3	61.9	54.5	53.0
60°	8685.4	3026.8	366.9	200.4	141.5	101.7	72.2	56.0	47.2	41.3	39.8
62.5°	9734.6	3205.1	308.0	175.4	114.9	82.5	57.5	44.2	33.9	26.5	26.5
65°	11065.3	3495.4	252.0	147.4	94.3	67.8	44.2	32.4	19.2	11.8	11.8
67.5°	11841.8	3545.5	203.4	120.8	76.6	57.5	36.8	22.1	5.9	1.5	0.0
69°	*11592.8*	*3255.2*	*172.4*	*103.2*	*66.3*	*54.5*	*33.9*	*16.2*	*2.9*	*0.0*	*0.0*
70°	11124.2	2976.7	151.8	91.4	60.4	51.6	32.4	11.8	2.9	0.0	0.0
72.5°	9192.3	2119.0	114.9	67.8	44.2	45.7	29.5	7.4	2.9	0.0	0.0
75°	6696.0	1287.9	82.5	47.2	28.0	33.9	20.6	2.9	1.5	0.0	0.0
77.5°	3725.3	607.1	51.6	26.5	17.7	20.6	10.3	0.0	0.0	0.0	0.0
80°	1209.8	165.0	23.6	14.7	10.3	11.8	4.4	0.0	0.0	0.0	0.0
82.5°	224.0	47.2	13.3	7.4	2.9	2.9	0.0	0.0	0.0	0.0	0.0
85°	48.6	19.2	7.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.2	5.9	1.5	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

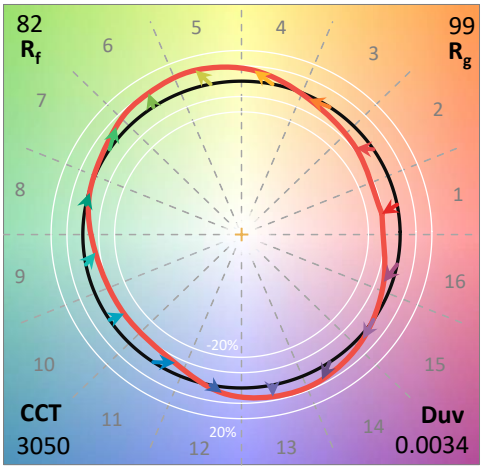
Test Information

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

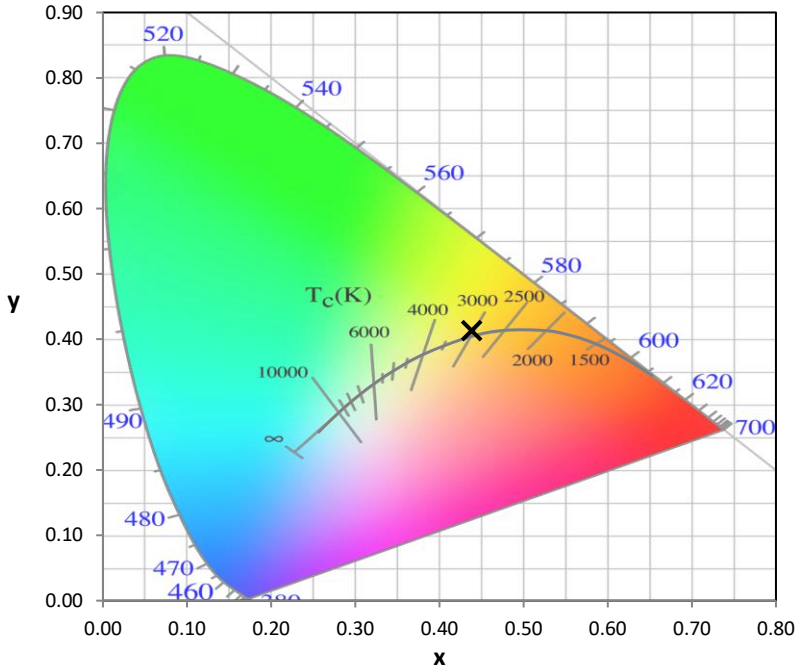
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

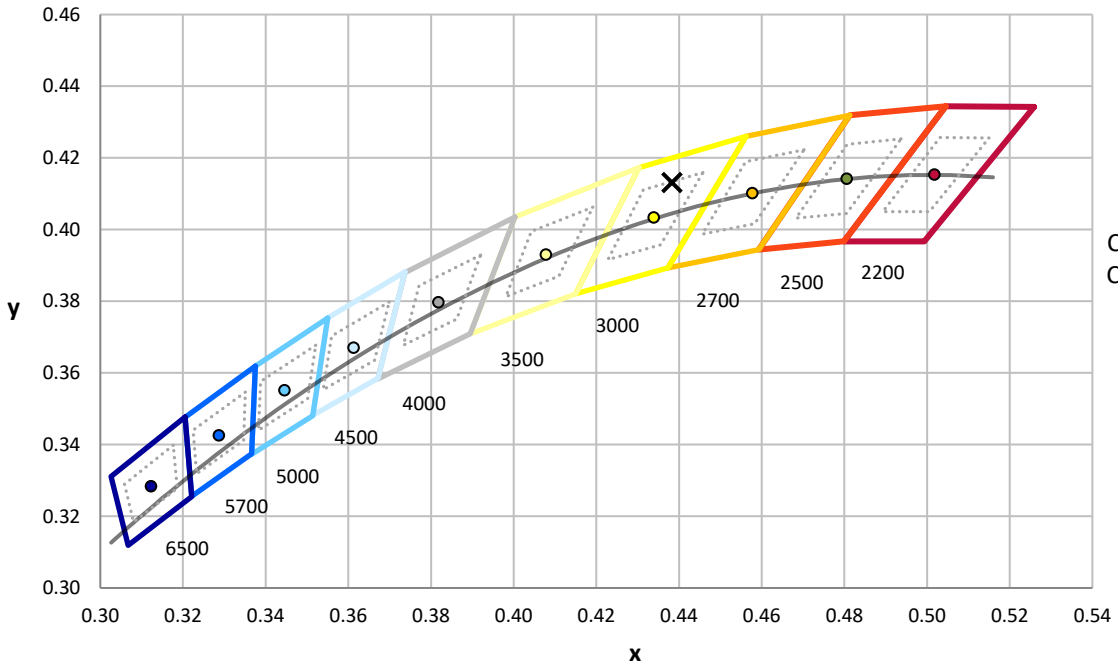
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

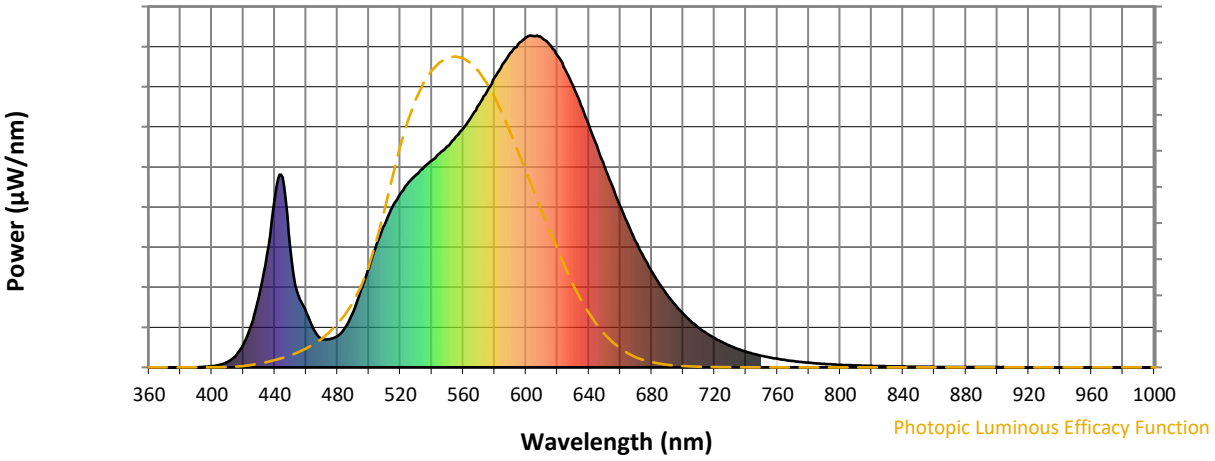


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

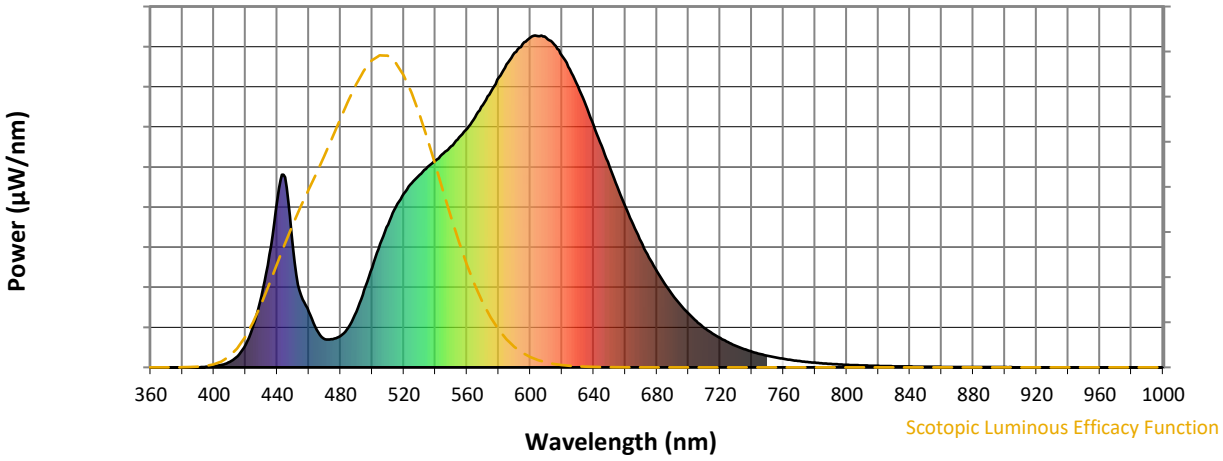


Photopic Lumens: NR

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

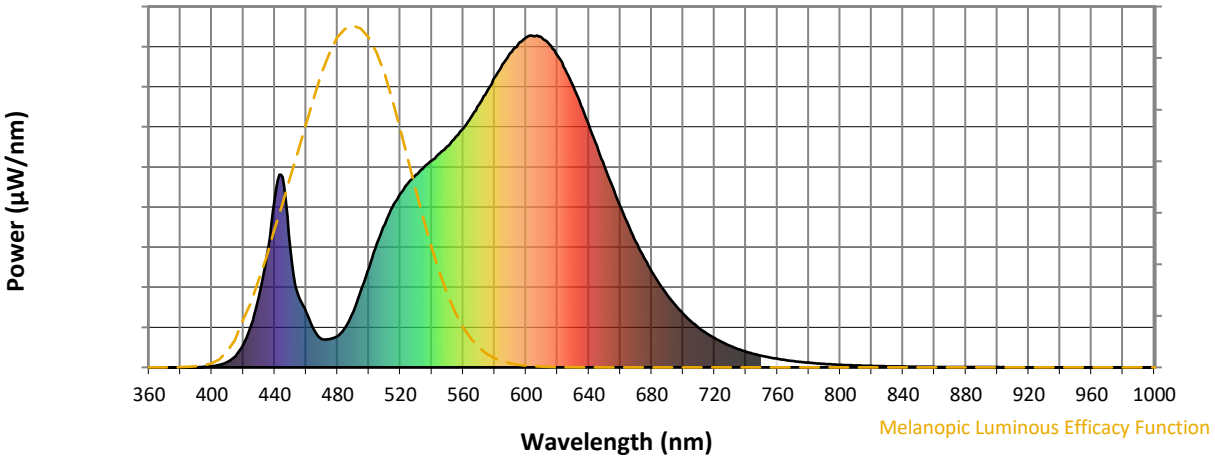


Scotopic Lumens: NR **S/P: 1.27**

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			

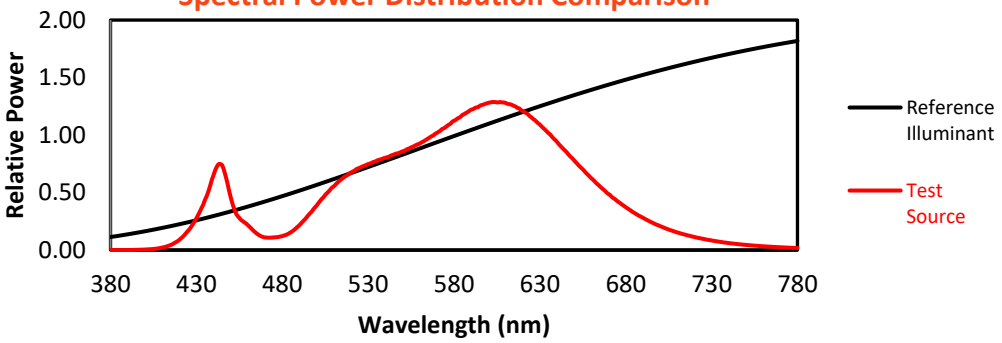
REPORT NUMBER: SP1-2408-195-9

TM-30-18

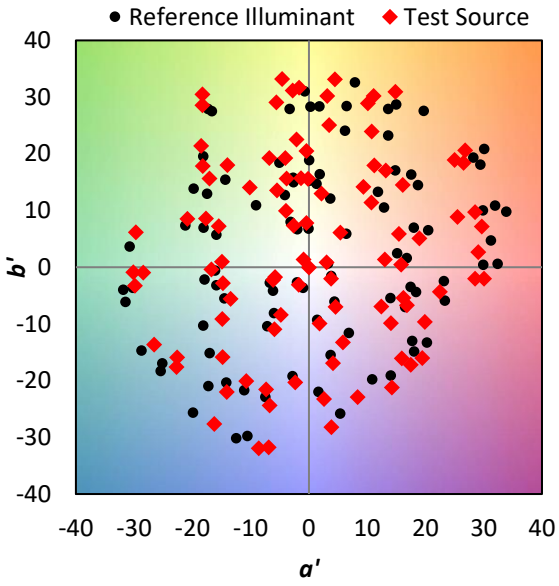
Summary

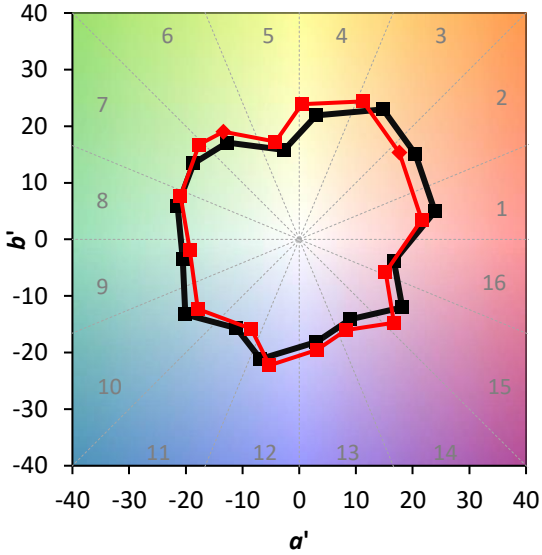
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

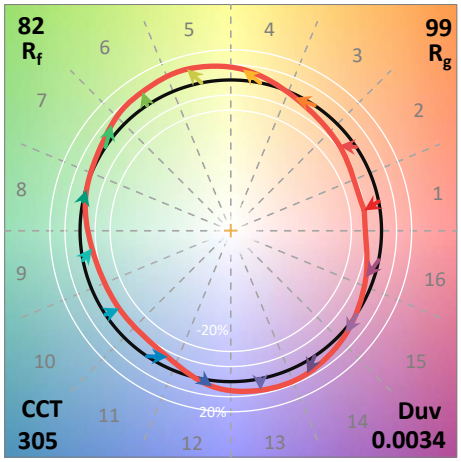
Spectral Power Distribution Comparison

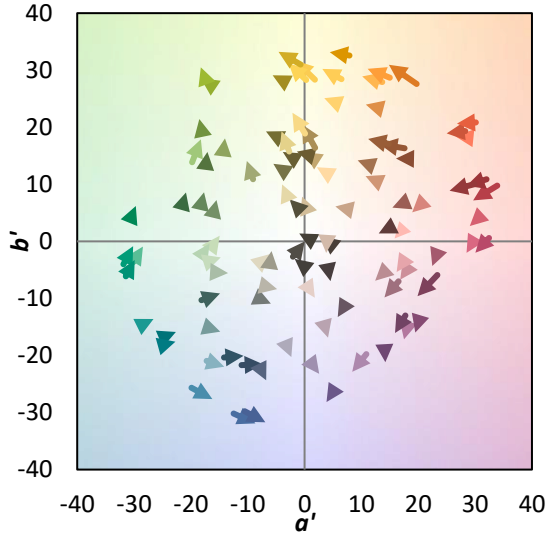


Color Vector Graphics







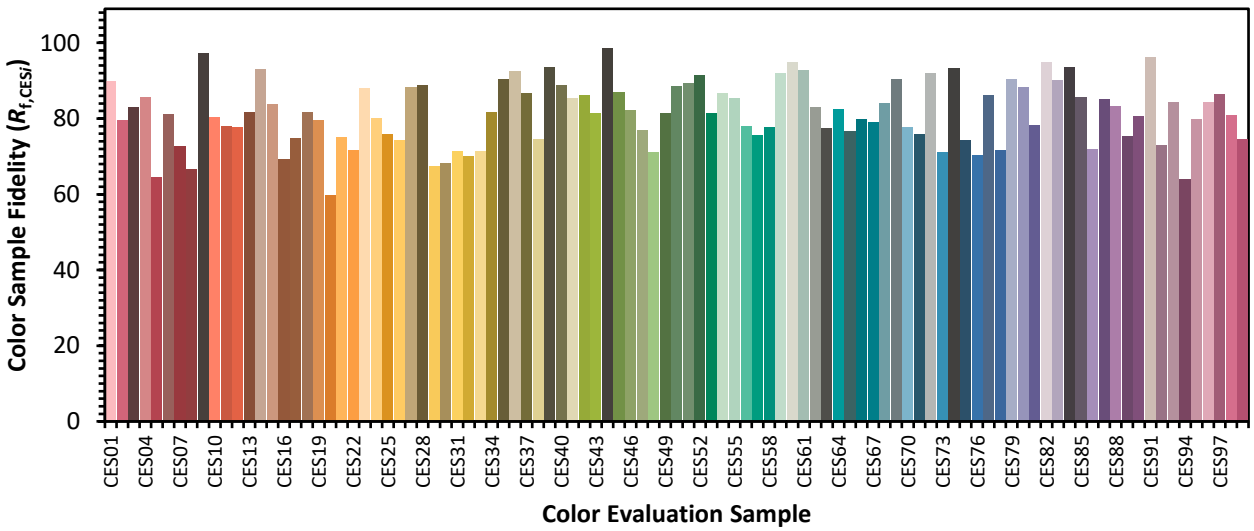


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

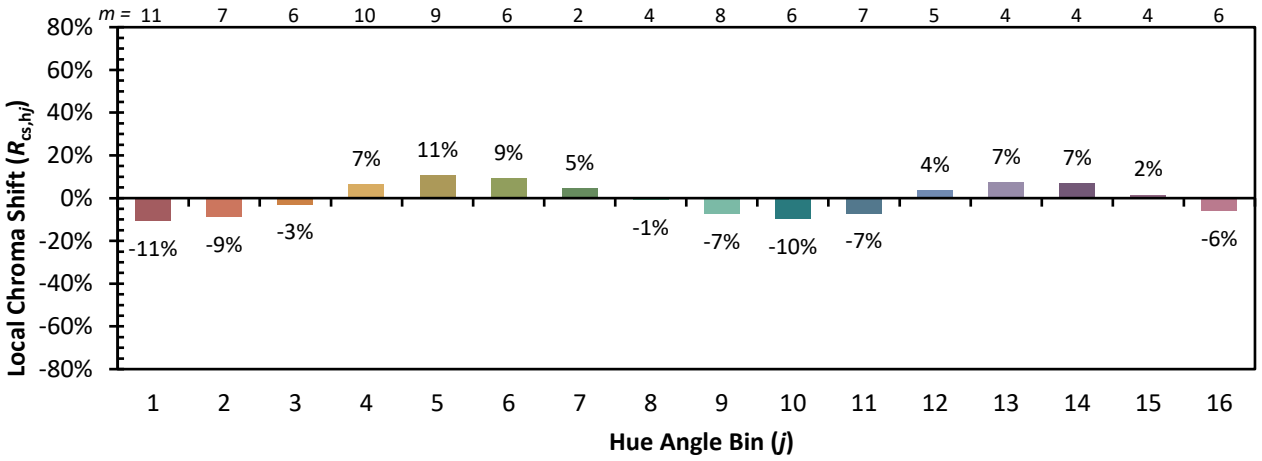
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

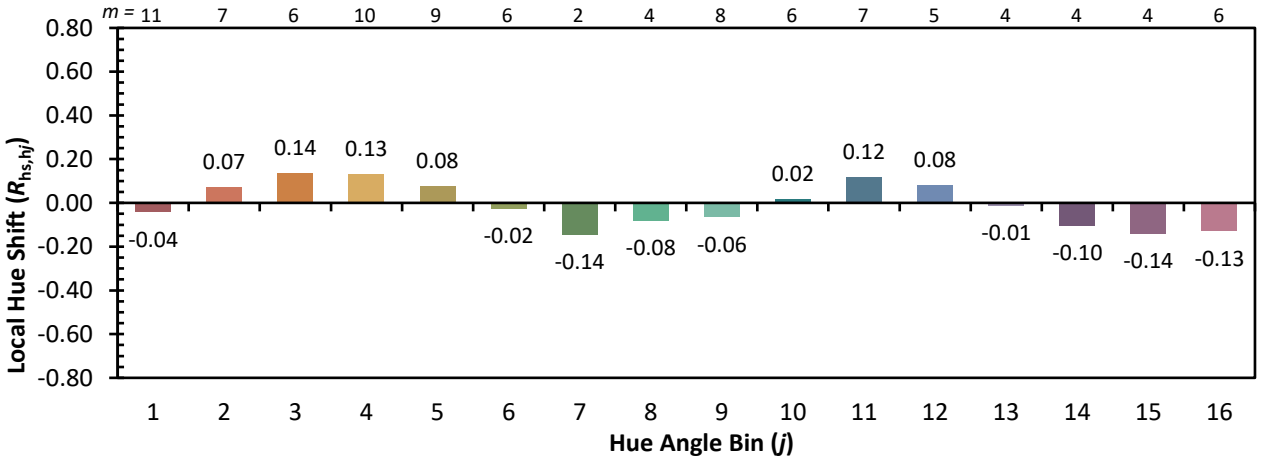


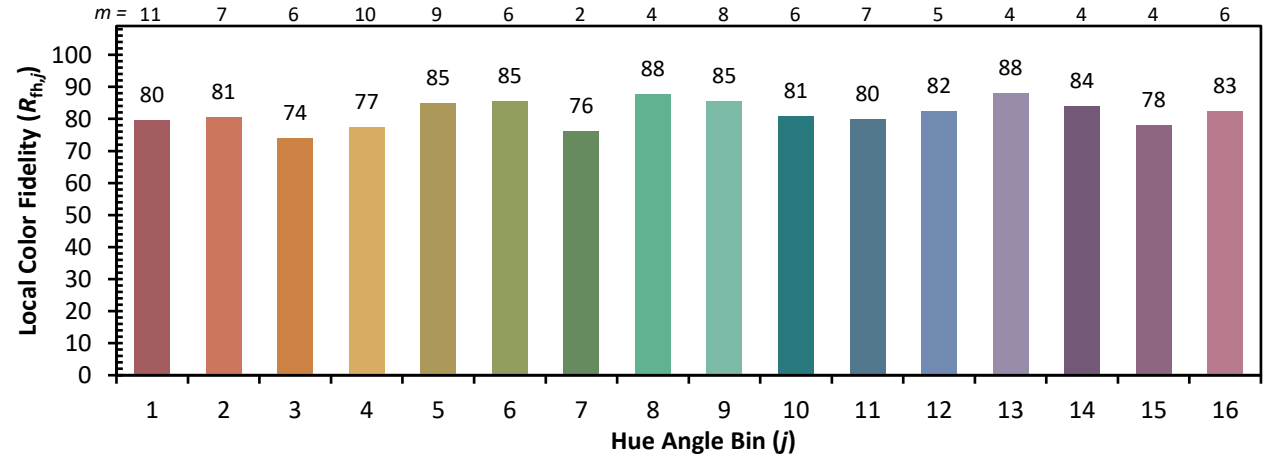
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



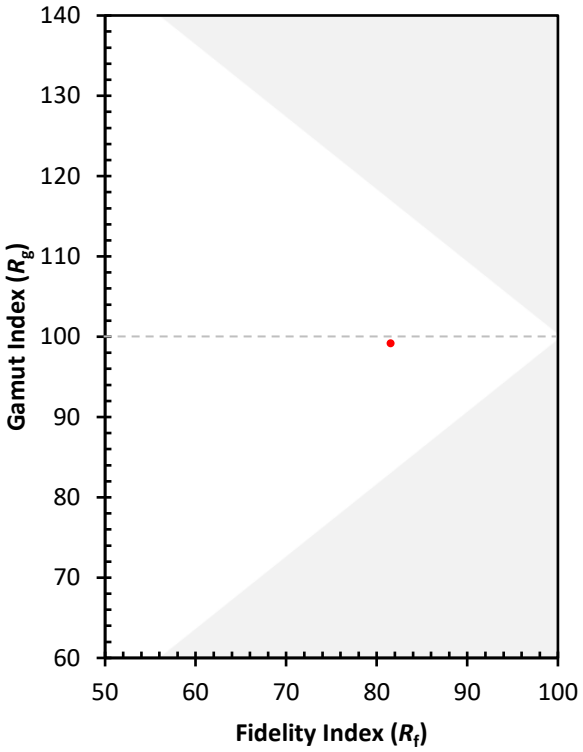


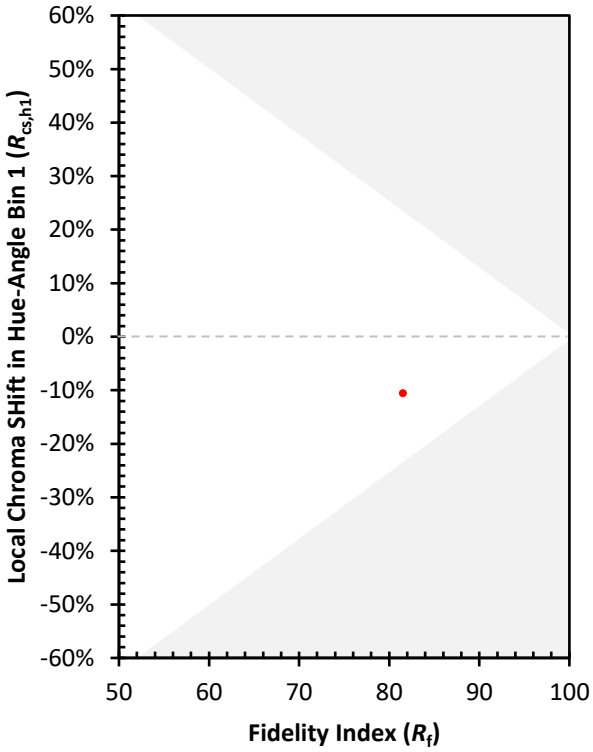


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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