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: P322713

Luminaire Tested: **GLEON-SA9A-830-U-T4FT-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:	P322713
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA9A-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23510 lumens
Efficiency:	N/A
Efficacy:	81.1 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	290
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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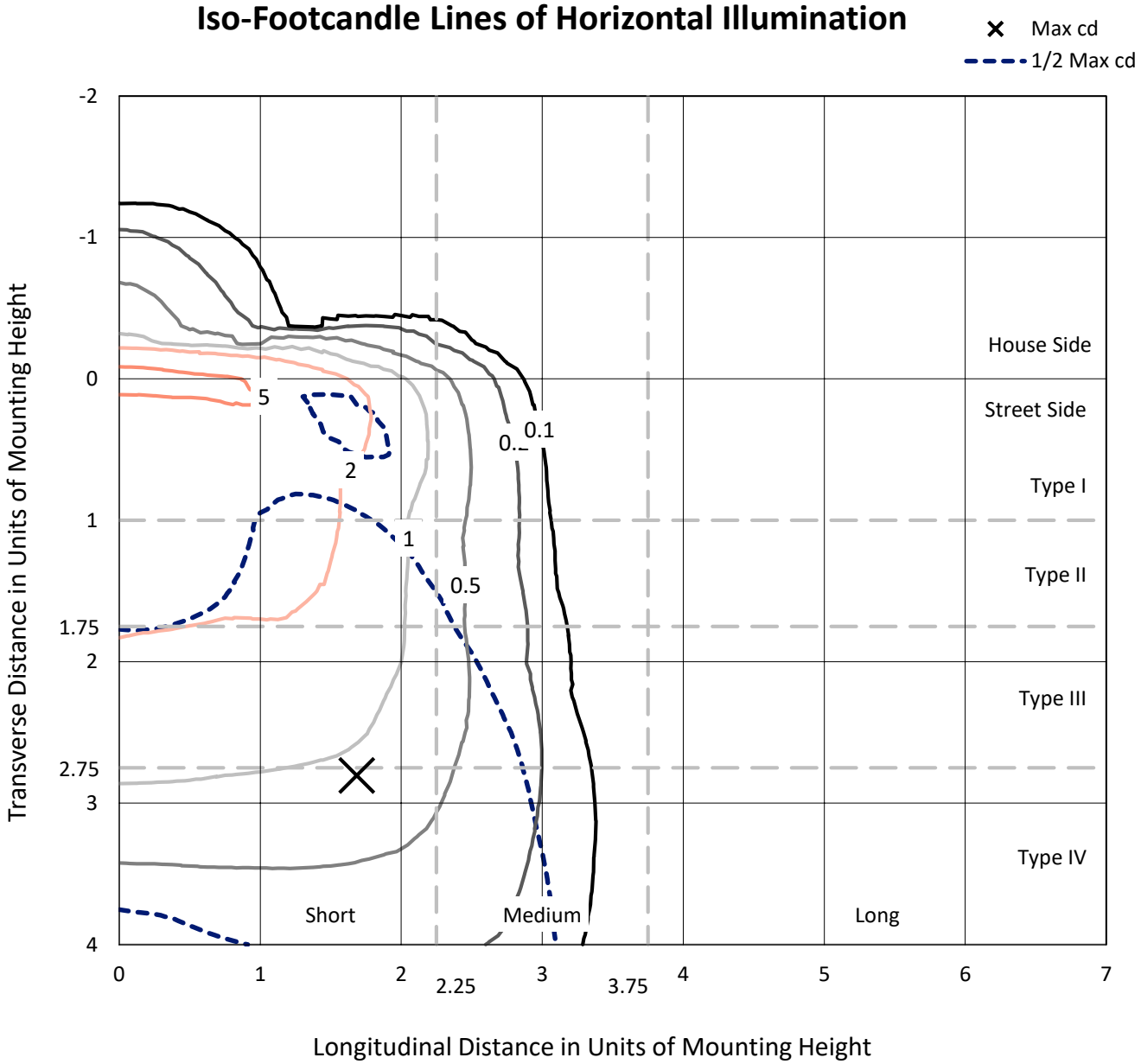
Scaled Data Report

REPORT NUMBER: P322713
CATALOG NUMBER: GLEON-SA9A-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
Type IV - Short - N/A

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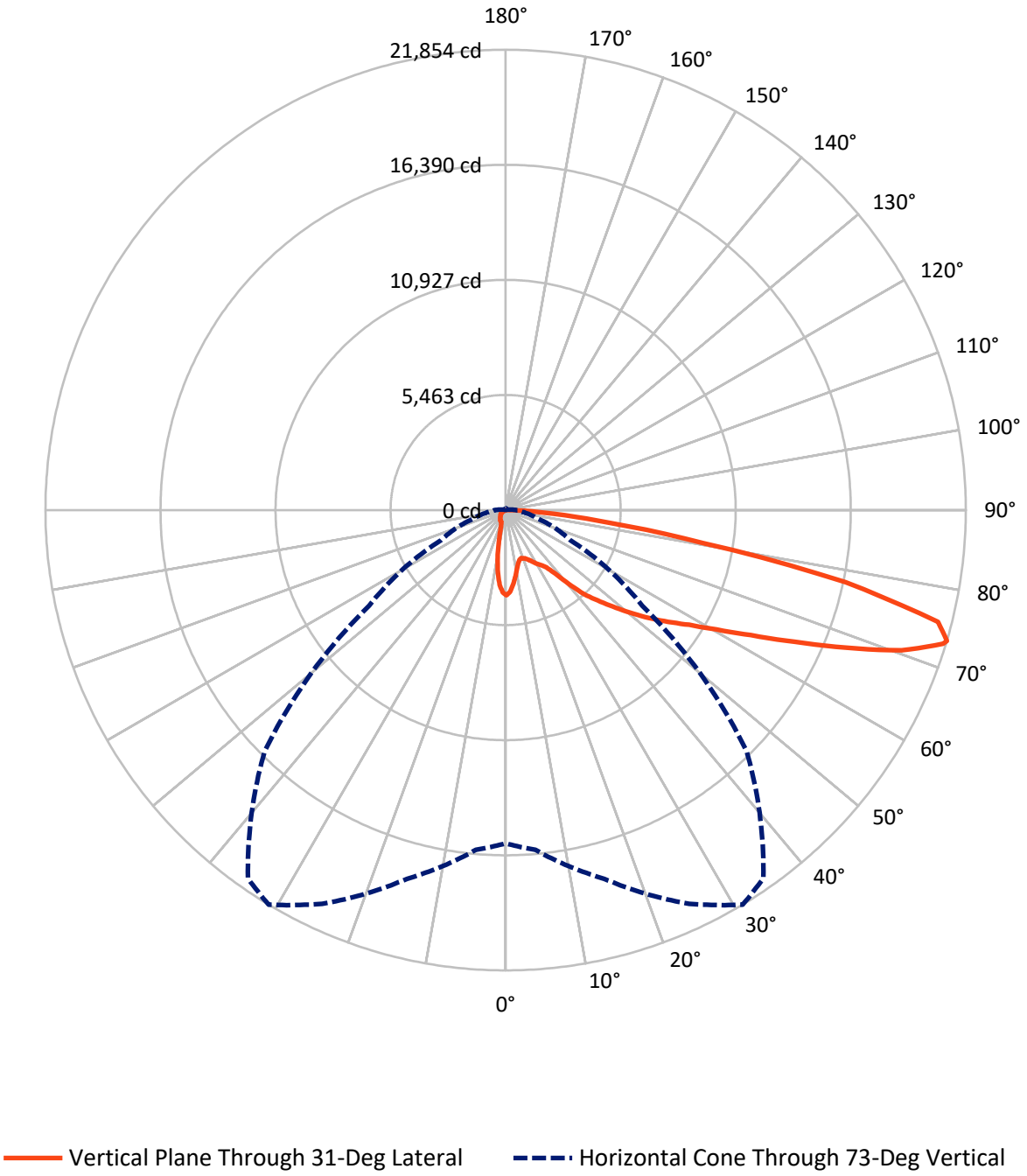
Luminous Intensity Polar Plot



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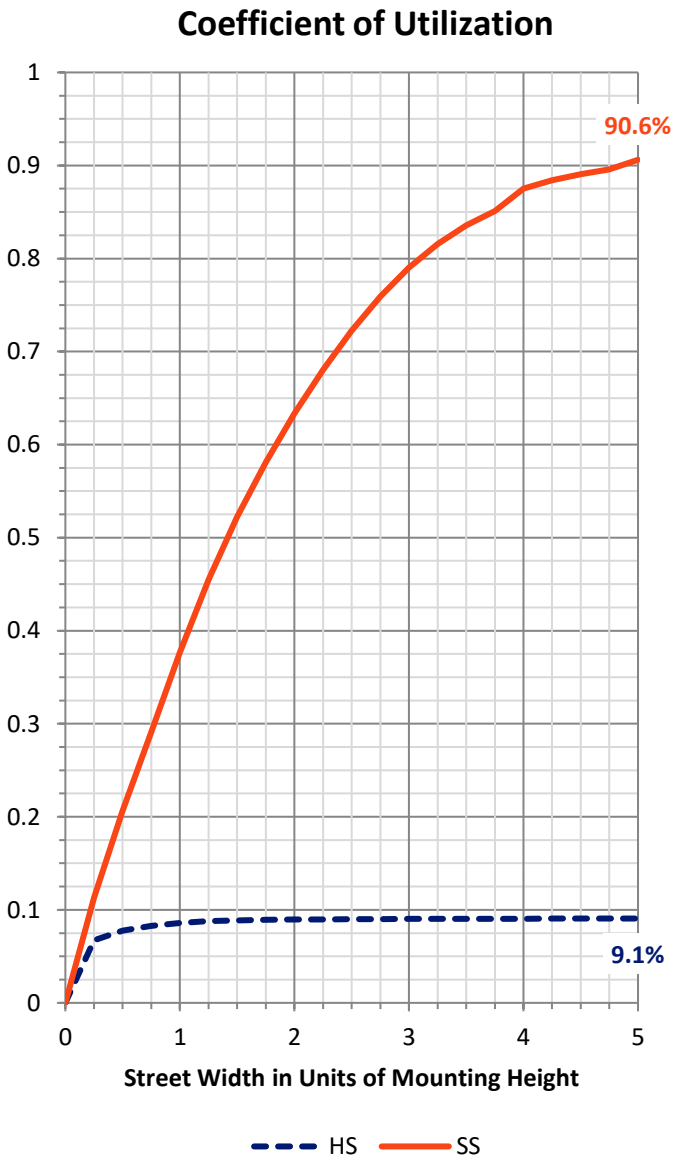
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2143.0	0.0	2143.0
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	21367.0	0.0	21367.0
	% Fixture	90.9	0.0	90.9
Total	Lumens	23510.0	0.0	23510.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.4	1.4
10°-20°	728.2	3.1
20°-30°	1091.1	4.6
30°-40°	1735.9	7.4
40°-50°	3099.8	13.2
50°-60°	4810.1	20.5
60°-70°	6394.3	27.2
70°-80°	4809.8	20.5
80°-90°	505.4	2.1
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°	23510.0	100.0
0°-180°	23510.0	100.0



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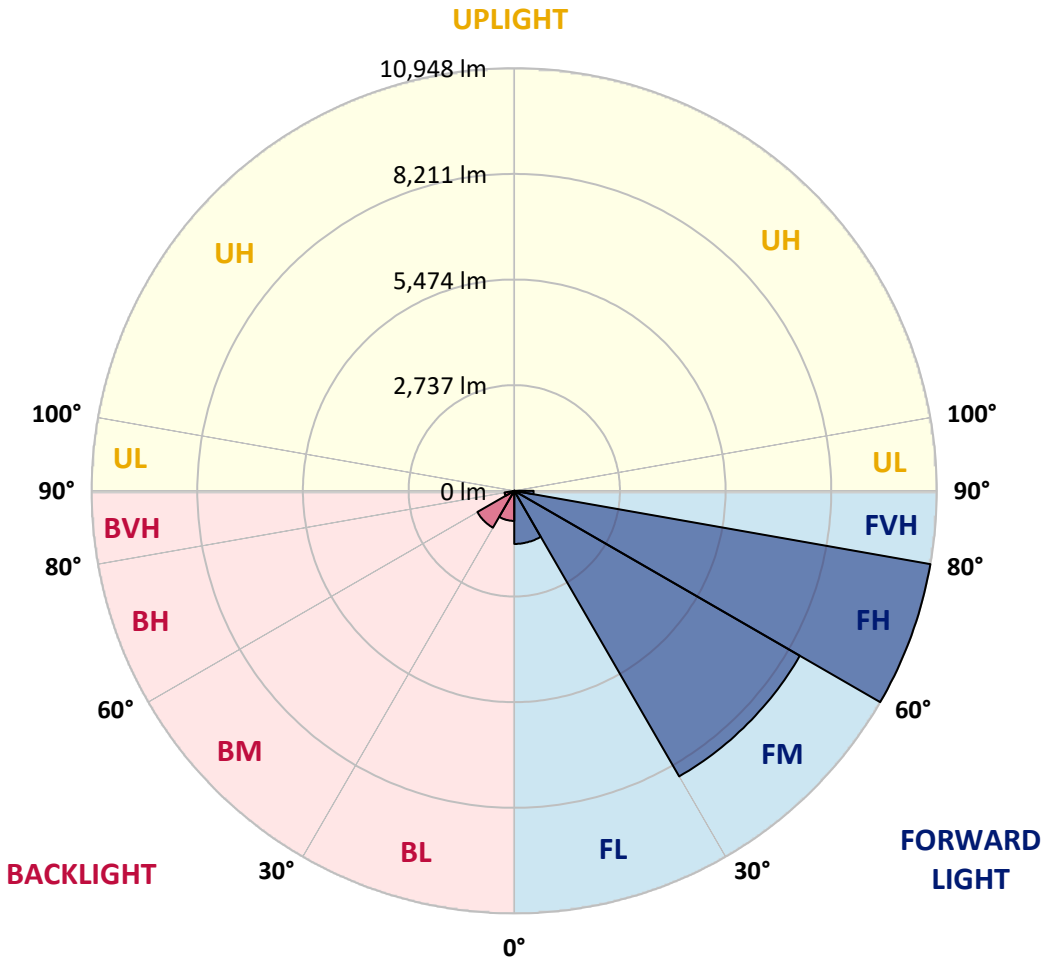
CATALOG NUMBER: GLEON-SA9A-830-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1375.4	5.9			
FM	(30°-60°)	8542.7	36.3			
FH	(60°-80°)	10947.7	46.6			G4/12000
FVH	(80°-90°)	501.2	2.1			G4/750
BL	(0°-30°)	779.3	3.3	B2/1000		
BM	(30°-60°)	1103.1	4.7	B2/2500		
BH	(60°-80°)	256.4	1.1	B1/500		G1/500
BVH	(80°-90°)	4.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type IV Short



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REPORT NUMBER: P322713
CATALOG NUMBER: GLEON-SA9A-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9
2.5°	3833.3	3849.4	3866.6	3870.1	3898.8	3900.0	3941.4	3972.5	4003.5	4033.4	4043.8
5°	3439.8	3466.3	3497.3	3528.4	3589.4	3613.5	3714.8	3818.3	3917.2	4011.6	4057.6
7.5°	3019.9	3049.8	3093.5	3170.6	3238.5	3285.7	3445.6	3629.6	3813.7	3987.4	4087.5
10°	2636.8	2664.4	2710.4	2792.1	2896.8	2961.2	3176.4	3431.8	3702.1	3965.6	4132.4
12.5°	2392.9	2407.9	2433.2	2520.6	2614.9	2687.4	2940.5	3256.9	3610.1	3964.4	4204.9
15°	2348.0	2352.6	2331.9	2371.1	2444.7	2514.9	2771.4	3115.4	3539.9	3982.8	4299.2
17.5°	2419.4	2417.1	2348.0	2343.4	2402.1	2459.6	2688.6	3017.6	3490.4	4025.4	4421.1
20°	2527.5	2519.5	2399.8	2378.0	2440.1	2494.2	2682.8	2980.8	3472.0	4096.7	4569.5
22.5°	2671.3	2657.5	2470.0	2447.0	2513.7	2570.1	2754.2	3016.5	3488.1	4192.2	4742.1
25°	2849.6	2828.9	2590.8	2565.5	2633.4	2689.7	2881.8	3118.8	3536.4	4308.4	4960.7
27.5°	3051.0	3021.1	2784.1	2718.5	2795.6	2854.2	3052.1	3275.3	3612.4	4431.5	5228.7
30°	3240.8	3201.7	2987.7	2879.5	2973.9	3039.5	3236.2	3461.7	3734.3	4621.3	5595.7
32.5°	3431.8	3388.0	3169.5	3040.6	3125.7	3197.1	3426.0	3718.2	3963.3	4911.2	6083.5
35°	3871.2	3825.2	3557.2	3344.3	3343.2	3383.4	3691.8	4069.1	4265.8	5315.0	6665.6
37.5°	4611.0	4584.5	4329.1	3925.3	3817.2	3772.3	4054.1	4487.9	4700.7	5870.7	7322.5
40°	5420.9	5397.9	5111.4	4745.6	4581.0	4470.6	4574.1	5071.1	5315.0	6549.4	7993.3
42.5°	6335.5	6226.2	5715.4	5606.1	5458.8	5374.9	5281.7	5790.2	6069.7	7288.0	8658.2
45°	7166.1	6982.0	6319.4	6153.7	6120.3	6141.0	6192.8	6756.5	6918.7	8165.8	9320.9
47.5°	7660.8	7515.8	7007.3	6848.6	6839.4	6976.3	7367.4	7848.3	7764.3	8930.9	9904.1
50°	8131.3	8000.2	7577.9	7617.1	7659.6	7846.0	8700.8	8971.1	8536.3	9624.6	10439.1
52.5°	8512.1	8311.9	8091.0	8310.8	8520.2	8820.4	10076.7	9978.9	9083.9	10176.8	10897.0
55°	8731.8	8640.9	8747.9	8968.8	9362.3	9850.1	11375.5	10817.6	9484.2	10680.7	11201.8
57.5°	9537.1	9358.8	9571.7	9762.6	10275.7	10957.9	12488.0	11442.3	9773.0	10992.4	11272.0
60°	10511.6	10367.8	10493.2	10810.7	11503.2	12305.1	13528.0	11951.9	9923.7	11192.6	11090.2
62.5°	12062.4	11872.5	11794.3	12149.8	13067.8	13943.3	14317.2	12305.1	9890.3	11104.0	10466.7
65°	14140.0	13943.3	13593.6	13915.7	15083.4	15701.2	15199.6	12379.9	9660.2	10387.3	8890.6
67.5°	16268.4	16125.7	15826.6	16369.6	17423.4	17622.4	16132.6	12198.1	8919.4	8422.4	6281.4
70°	17674.2	17613.2	17807.6	19008.7	19948.6	19891.1	16988.5	11221.4	6952.1	5179.3	3107.3
72.5°	16660.7	16952.9	18388.6	20566.4	21714.5	21245.2	16549.1	8616.8	3973.6	1992.6	898.5
73°	15820.8	16194.7	18127.5	20625.1	21853.7	21339.5	16179.8	7909.3	3386.9	1572.7	681.1
75°	11006.3	11465.3	15007.5	19208.9	21202.6	20331.7	13486.6	4841.0	1569.2	697.2	275.0
77.5°	5343.8	5683.2	8263.6	13878.9	16489.2	15885.3	8395.9	1803.9	708.7	436.0	126.5
80°	1994.9	2218.0	3587.1	7063.7	9529.1	9778.7	3692.9	682.2	471.7	350.9	64.4
82.5°	522.3	582.1	1323.0	3149.9	4883.6	5111.4	1164.2	344.0	345.1	288.8	39.1
85°	166.8	191.0	413.0	1413.9	2300.9	2020.2	303.7	166.8	250.8	215.1	21.9
87.5°	20.7	26.5	131.2	332.5	507.3	281.9	47.2	49.5	107.0	119.6	12.7
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: P322713
CATALOG NUMBER: GLEON-SA9A-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9	4044.9
2.5°	4054.1	4048.4	4049.5	4019.6	4000.1	3961.0	3920.7	3902.3	3882.7	3874.7	3882.7
5°	4074.9	4064.5	4034.6	3942.6	3844.8	3718.2	3599.7	3510.0	3397.2	3366.2	3398.4
7.5°	4107.1	4086.4	3998.9	3811.4	3594.0	3352.4	3080.9	2883.0	2720.8	2616.1	2654.1
10°	4154.2	4115.1	3939.1	3620.4	3231.6	2803.6	2418.2	2118.0	1905.1	1817.7	1814.2
12.5°	4233.6	4160.0	3865.5	3371.9	2788.7	2218.0	1713.0	1387.4	1214.9	1103.3	1101.0
15°	4321.0	4212.9	3772.3	3074.0	2273.3	1588.8	1103.3	855.9	744.3	708.7	704.1
17.5°	4428.0	4273.9	3651.5	2707.0	1733.7	1052.7	720.2	648.8	644.2	640.8	640.8
20°	4562.6	4346.4	3496.2	2287.1	1229.8	702.9	612.0	616.6	618.9	614.3	615.5
22.5°	4719.1	4420.0	3311.0	1836.1	831.8	587.9	585.6	591.3	593.6	591.3	592.5
25°	4900.9	4505.1	3085.5	1363.3	600.5	558.0	563.7	571.8	577.5	577.5	577.5
27.5°	5126.4	4608.7	2814.0	951.4	518.8	526.9	543.0	558.0	566.0	568.3	568.3
30°	5419.7	4737.5	2488.4	652.3	471.7	485.5	515.4	544.2	559.1	561.4	562.6
32.5°	5790.2	4882.5	2111.1	482.0	431.4	441.8	474.0	522.3	551.1	555.7	555.7
35°	6214.7	5050.4	1705.0	419.9	402.7	406.1	431.4	486.6	537.3	549.9	551.1
37.5°	6679.4	5216.1	1296.5	392.3	378.5	378.5	396.9	444.1	503.9	543.0	547.6
40°	7113.2	5316.2	908.8	370.4	356.6	356.6	372.7	407.3	463.6	522.3	535.0
42.5°	7513.5	5350.7	632.7	349.7	335.9	339.4	353.2	380.8	423.4	482.0	493.5
45°	7925.4	5344.9	461.3	325.6	315.2	325.6	335.9	356.6	387.7	421.1	423.4
47.5°	8236.0	5296.6	365.8	302.6	295.7	309.5	318.7	332.5	349.7	347.4	347.4
50°	8527.1	5179.3	294.5	271.5	276.1	292.2	296.8	301.4	302.6	280.7	278.4
52.5°	8747.9	4996.4	235.8	238.1	256.5	272.7	268.1	261.1	249.6	223.2	218.6
55°	8821.6	4644.3	185.2	196.7	227.8	248.5	231.2	216.3	194.4	172.6	168.0
57.5°	8688.1	4189.9	150.7	153.0	192.1	209.4	189.8	172.6	148.4	130.0	126.5
60°	8405.1	3684.9	124.2	115.0	148.4	163.4	150.7	133.5	111.6	97.8	96.6
62.5°	7843.7	3146.5	102.4	89.7	112.7	125.4	117.3	104.7	86.3	77.1	75.9
65°	6663.3	2517.2	82.8	72.5	87.4	97.8	90.9	81.7	67.9	61.0	59.8
67.5°	4651.2	1701.5	67.9	59.8	69.0	77.1	71.3	66.7	54.1	52.9	54.1
70°	2243.4	820.3	56.4	48.3	54.1	59.8	57.5	54.1	51.8	59.8	69.0
72.5°	643.1	275.0	44.9	40.3	43.7	47.2	49.5	48.3	56.4	72.5	84.0
73°	*494.7*	*222.0*	*42.6*	*38.0*	*41.4*	*46.0*	*48.3*	*47.2*	*57.5*	*73.6*	*84.0*
75°	211.7	107.0	32.2	31.1	34.5	40.3	42.6	42.6	57.5	74.8	80.5
77.5°	95.5	57.5	20.7	24.2	29.9	32.2	35.7	35.7	46.0	57.5	57.5
80°	54.1	31.1	16.1	18.4	21.9	21.9	21.9	19.6	20.7	23.0	25.3
82.5°	34.5	20.7	12.7	15.0	13.8	11.5	9.2	9.2	8.1	9.2	11.5
85°	19.6	11.5	11.5	9.2	5.8	4.6	5.8	4.6	1.2	0.0	1.2
87.5°	11.5	6.9	3.5	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

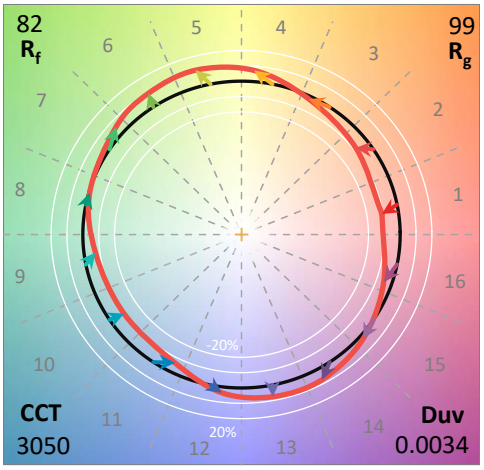
Test Information

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

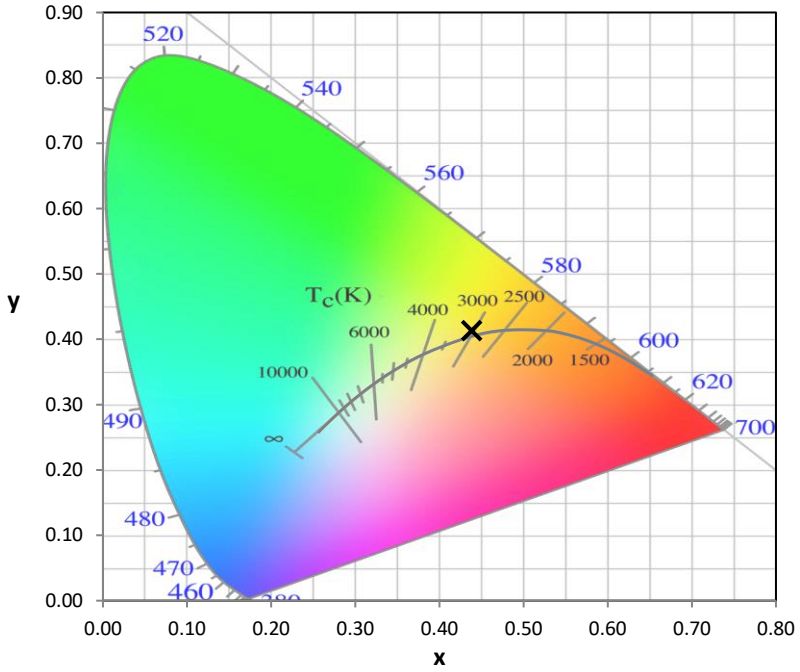
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

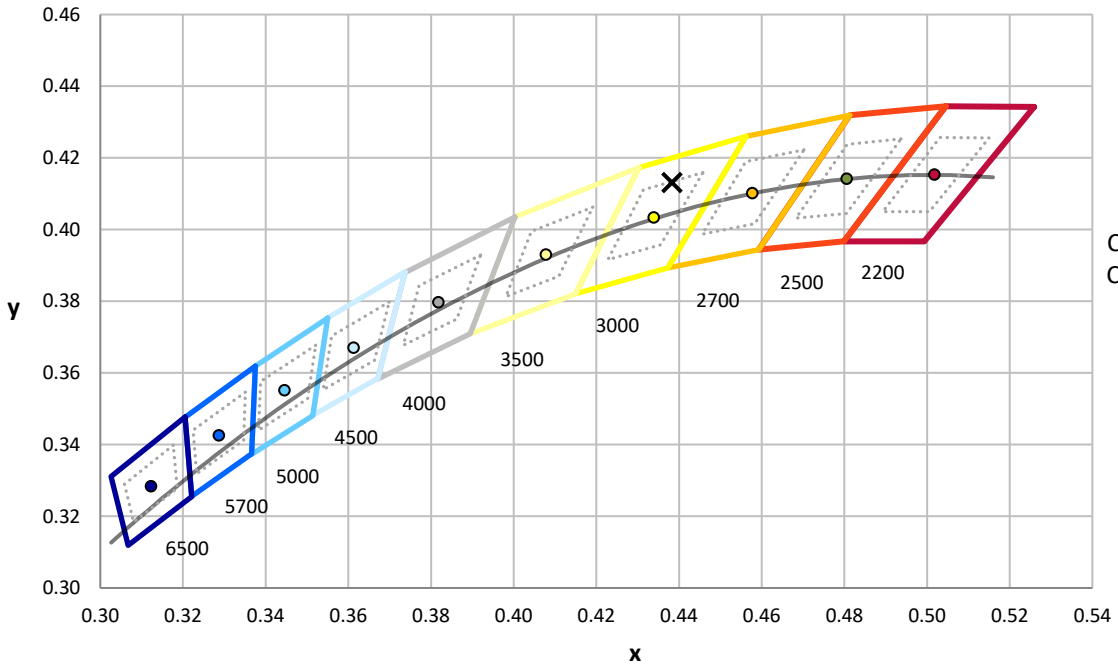
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

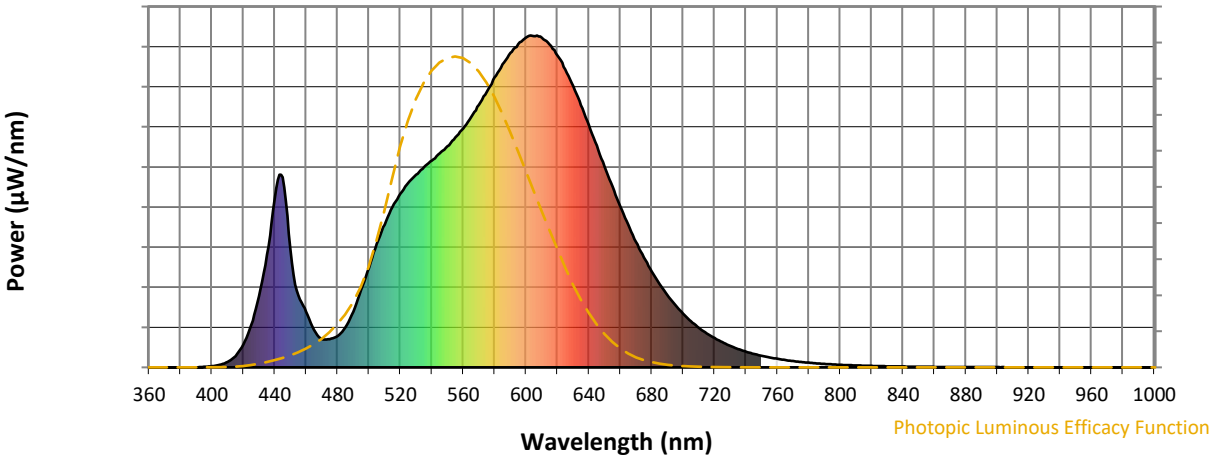


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

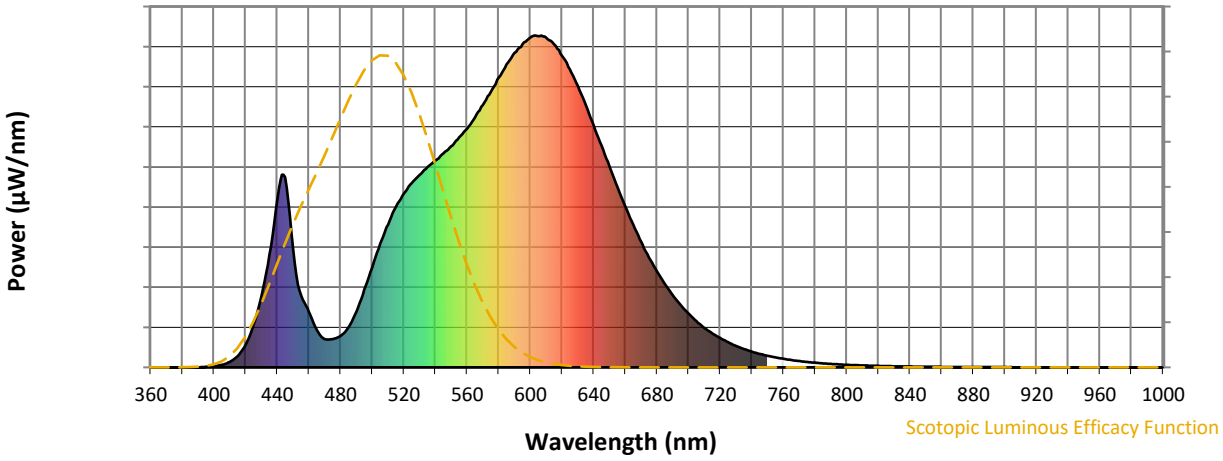


Photopic Lumens: NR

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

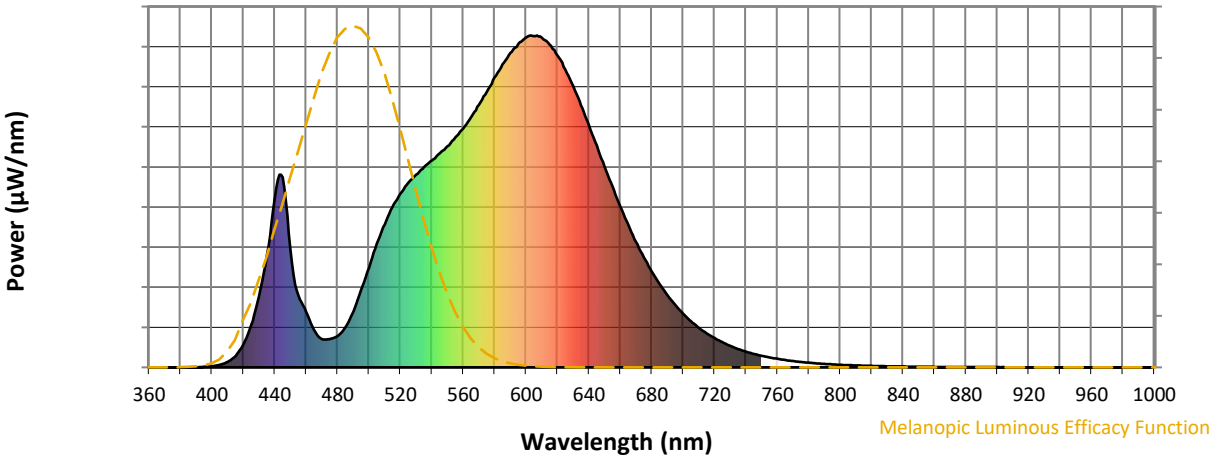


Scotopic Lumens: NR **S/P: 1.27**

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			

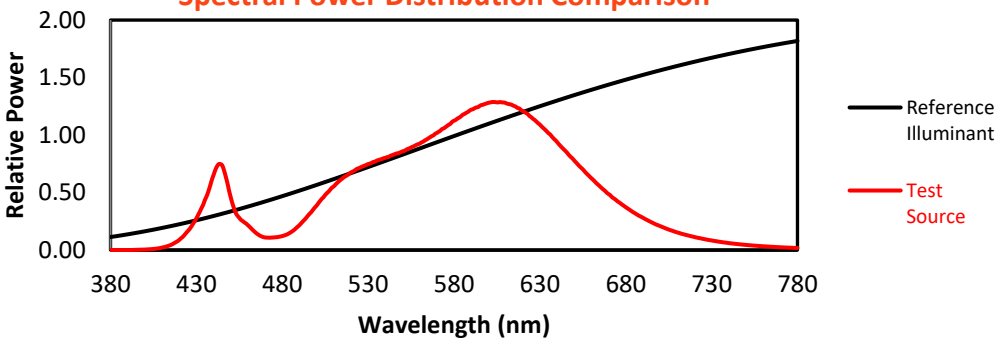
REPORT NUMBER: SP1-2408-195-9

TM-30-18

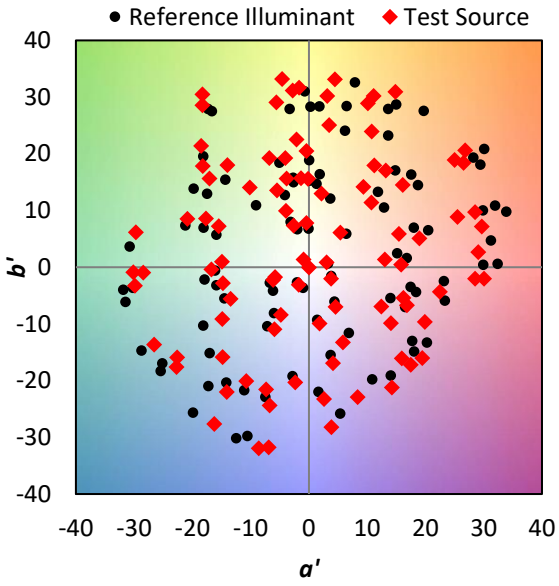
Summary

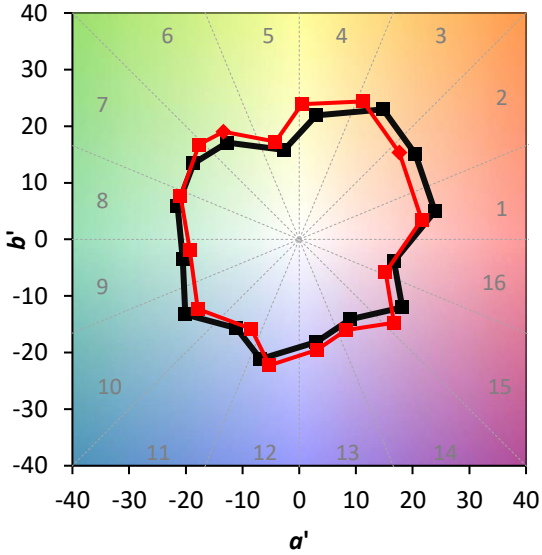
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

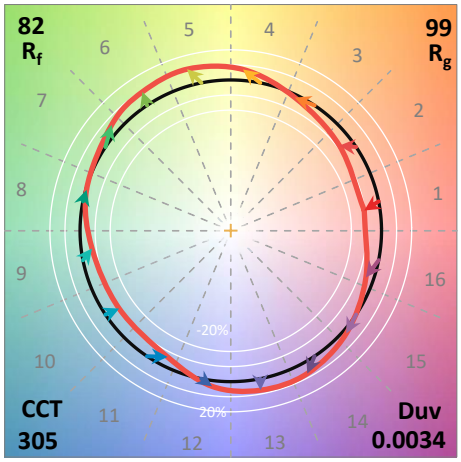
Spectral Power Distribution Comparison

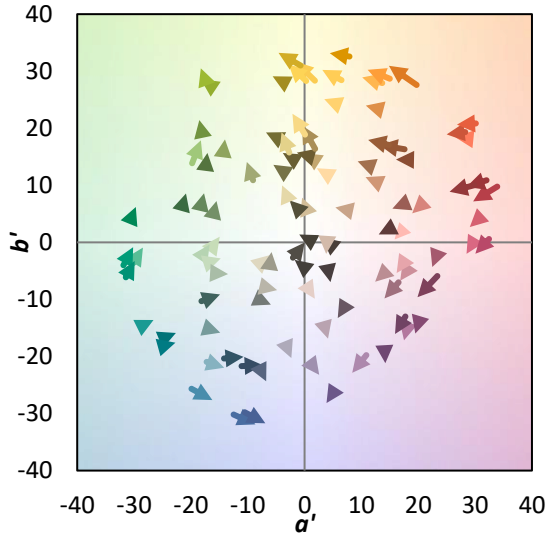


Color Vector Graphics







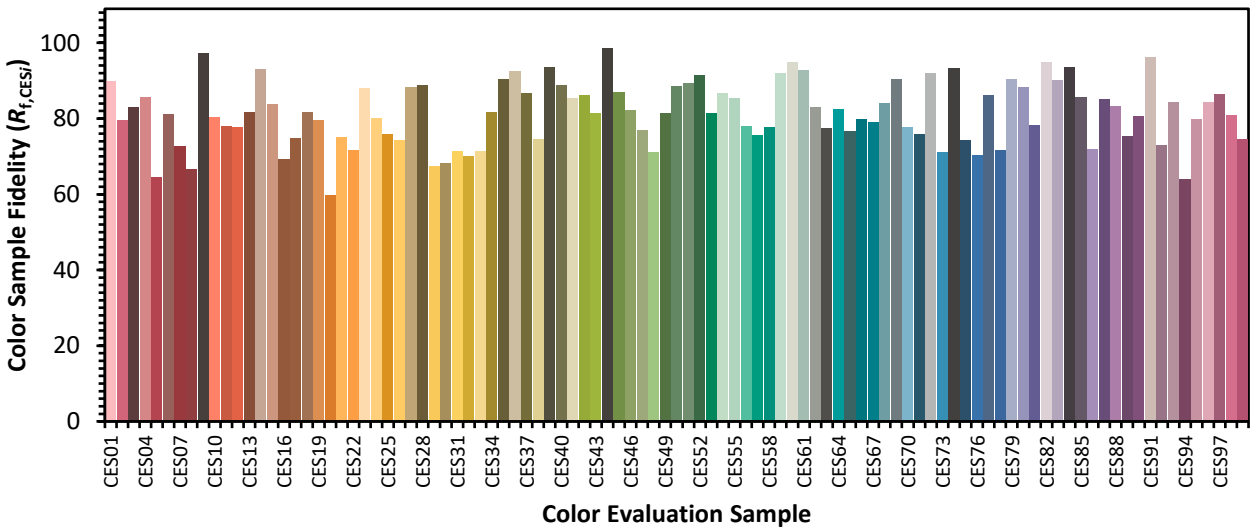


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

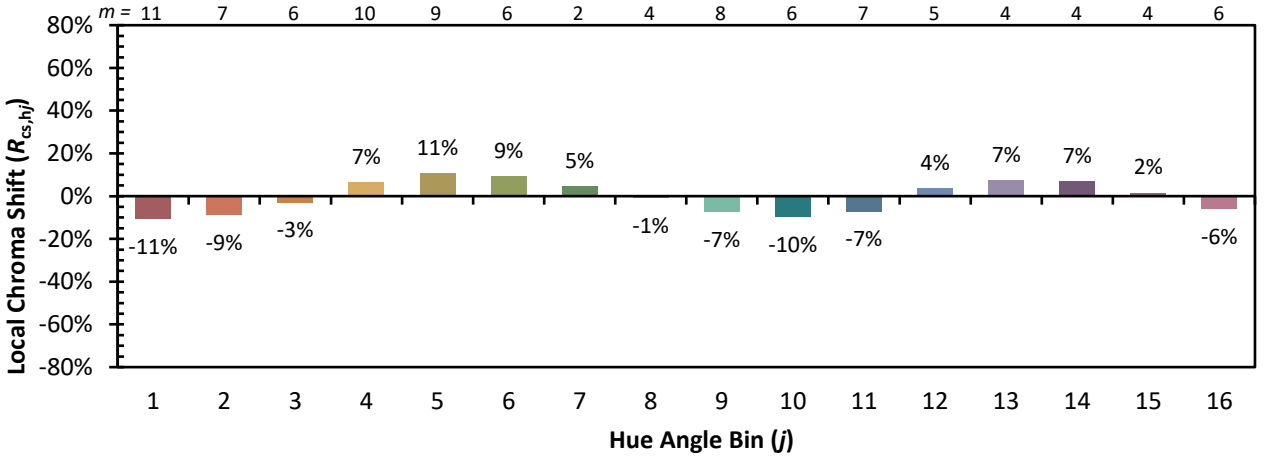
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

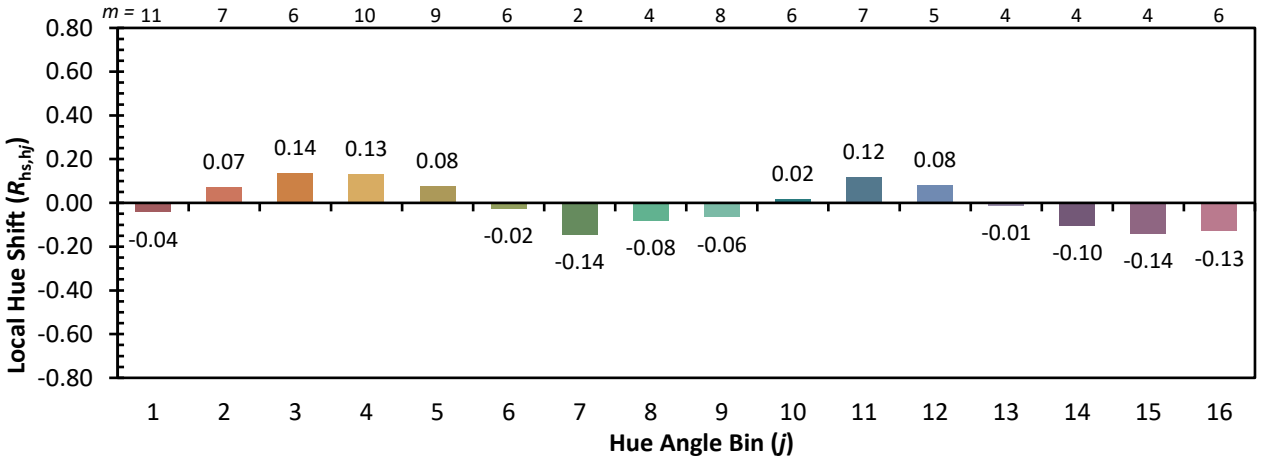


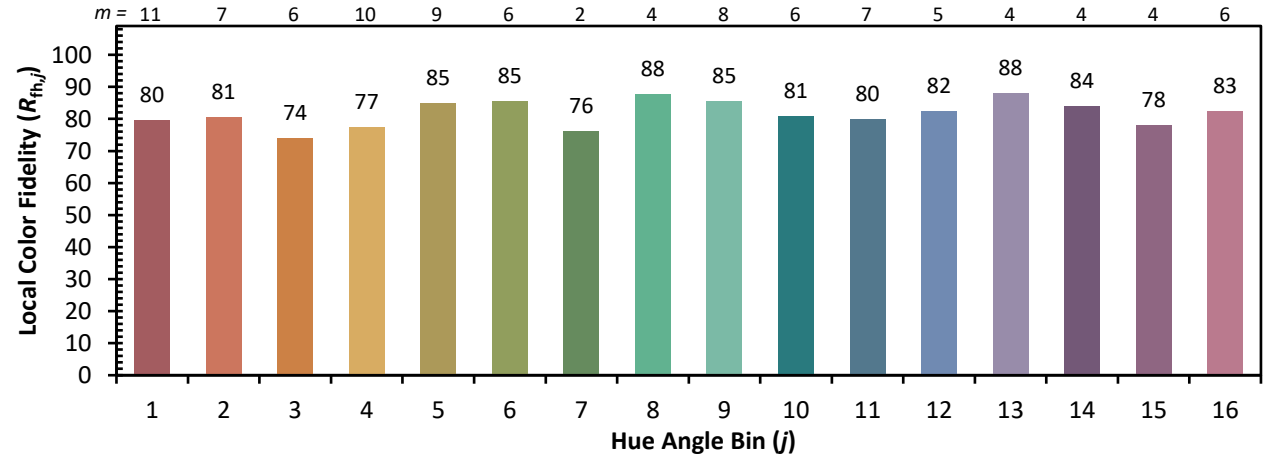
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



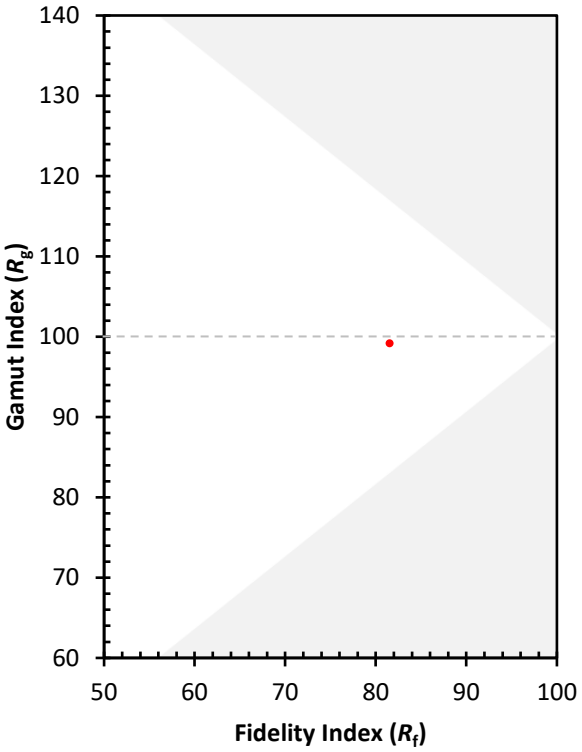


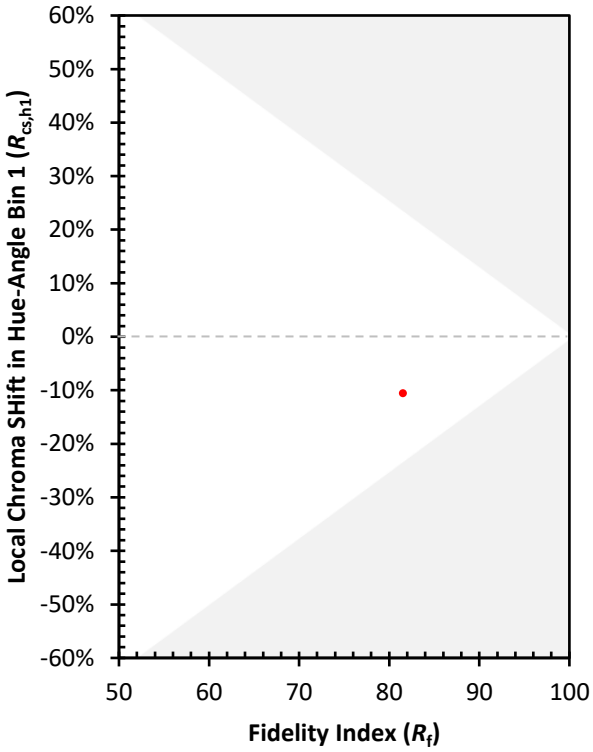


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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