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: P323693

Luminaire Tested: **GLEON-SA9C-830-U-SL3-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:	P323693
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA9C-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
	SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	42927 lumens
Efficiency:	N/A
Efficacy:	85.7 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	501
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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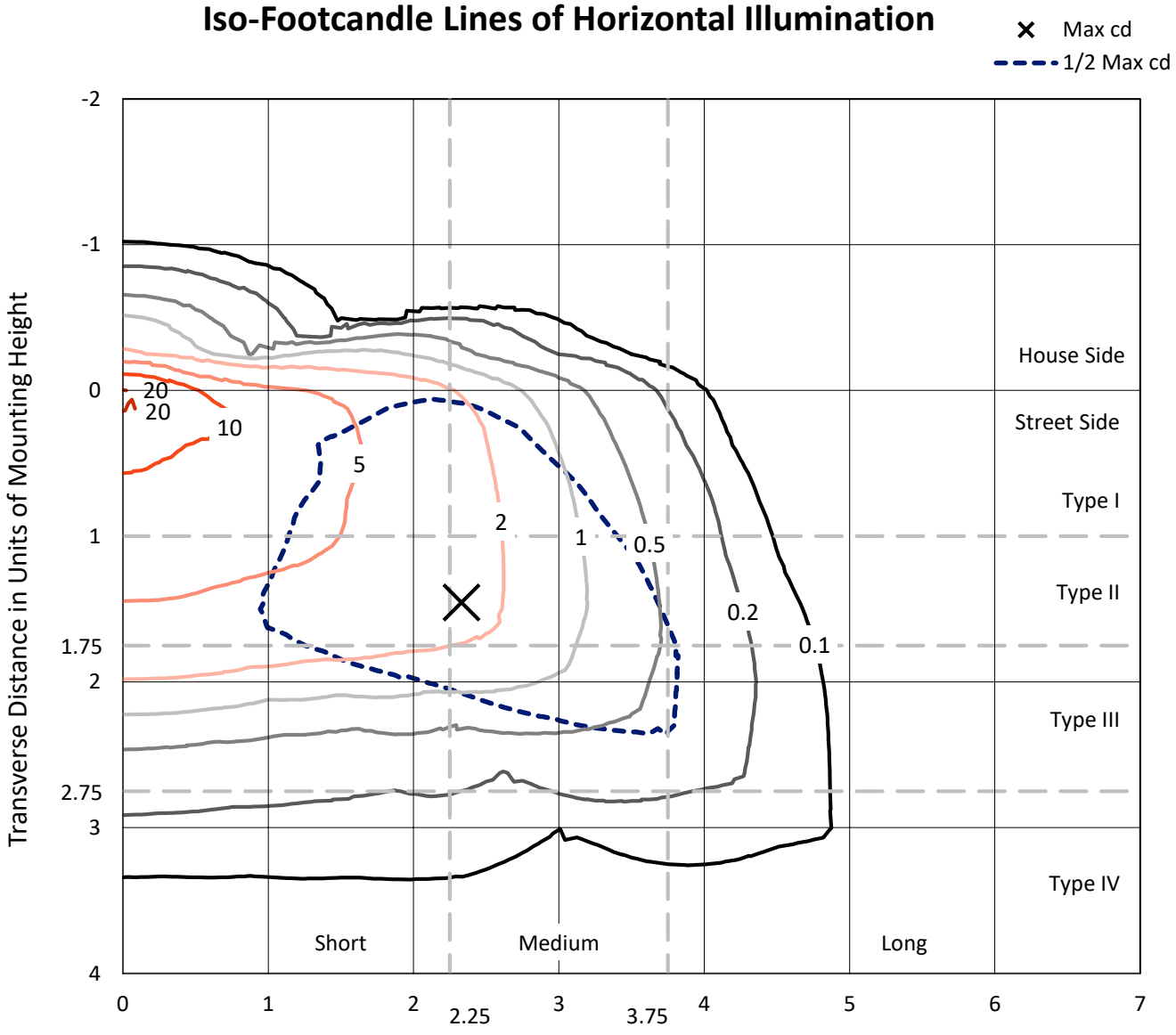
Scaled Data Report

REPORT NUMBER: P323693
CATALOG NUMBER: GLEON-SA9C-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 20.6 fc
Type III - Medium - N/A

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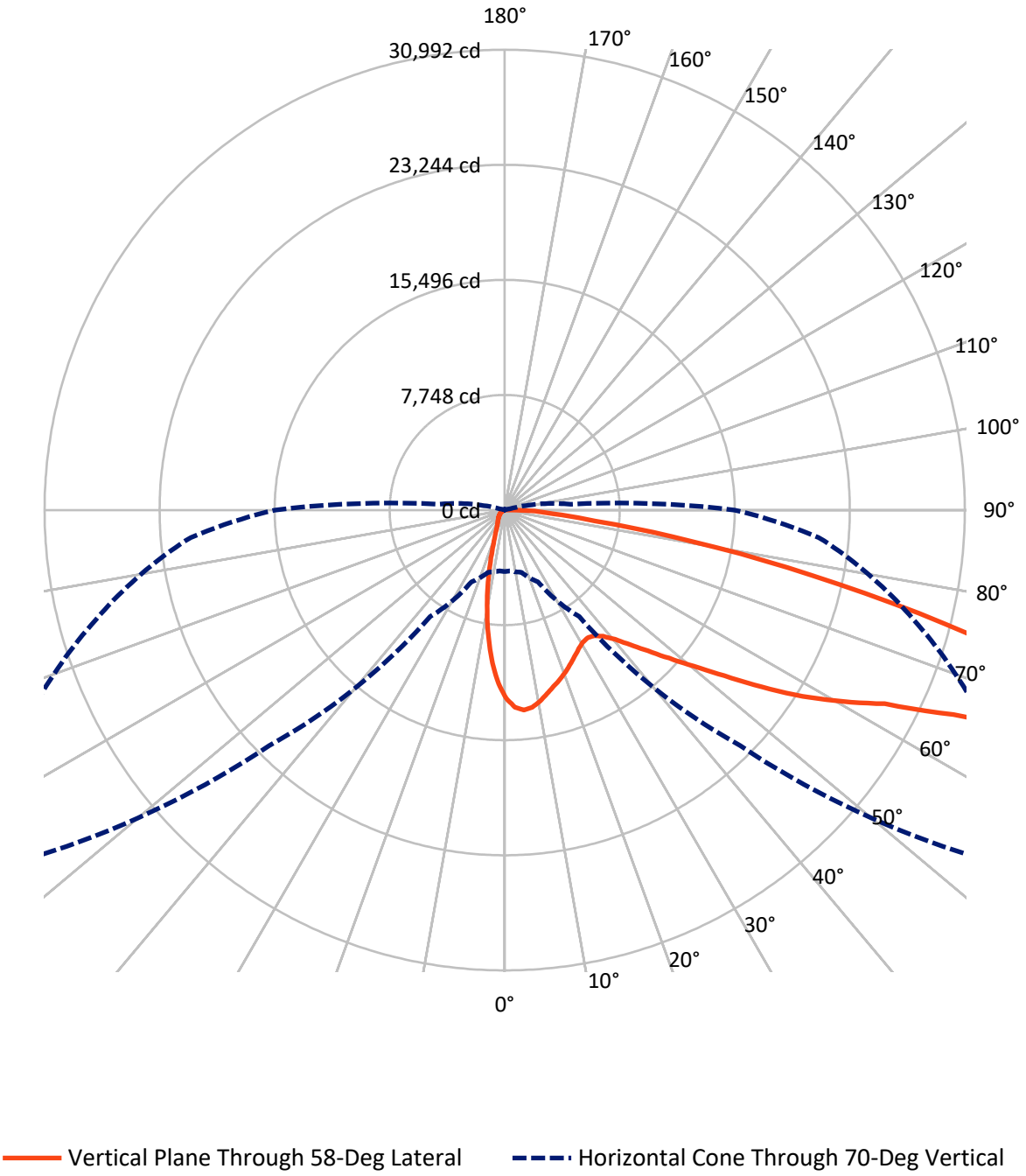
Luminous Intensity Polar Plot



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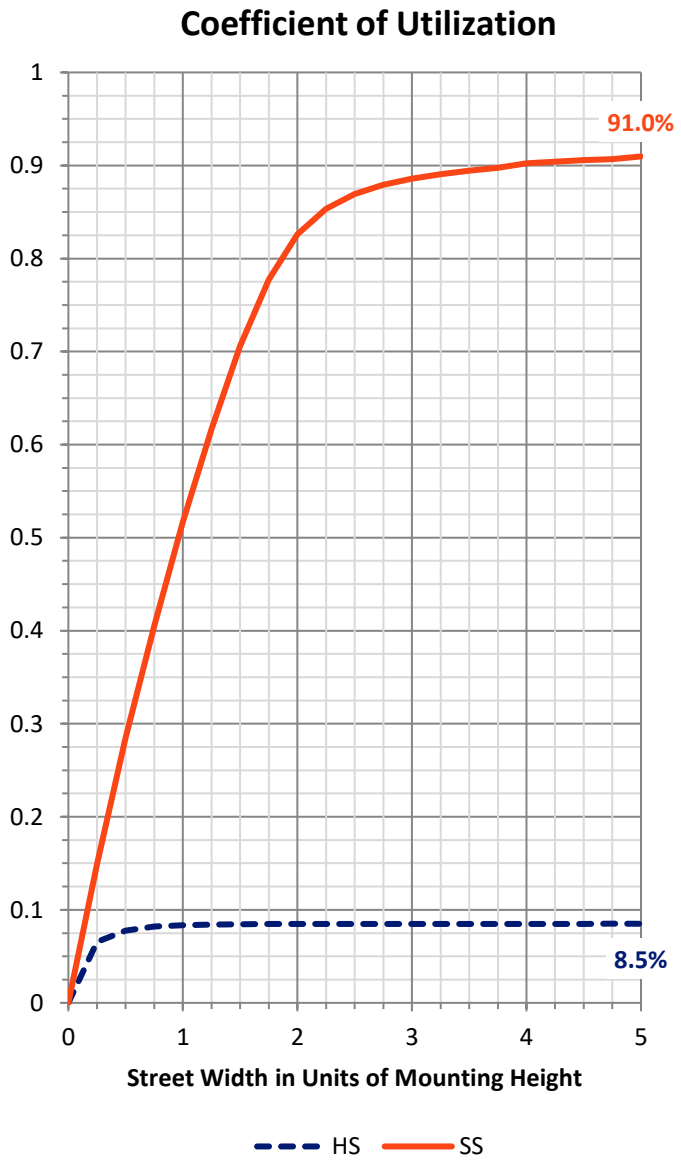
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3673.6	0.0	3673.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	39253.4	0.0	39253.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	42927.0	0.0	42927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1036.9	2.4
10°-20°	2176.3	5.1
20°-30°	2861.1	6.7
30°-40°	3789.2	8.8
40°-50°	5663.6	13.2
50°-60°	9072.9	21.1
60°-70°	11436.3	26.6
70°-80°	6168.7	14.4
80°-90°	722.1	1.7
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°	42927.0	100.0
0°-180°	42927.0	100.0



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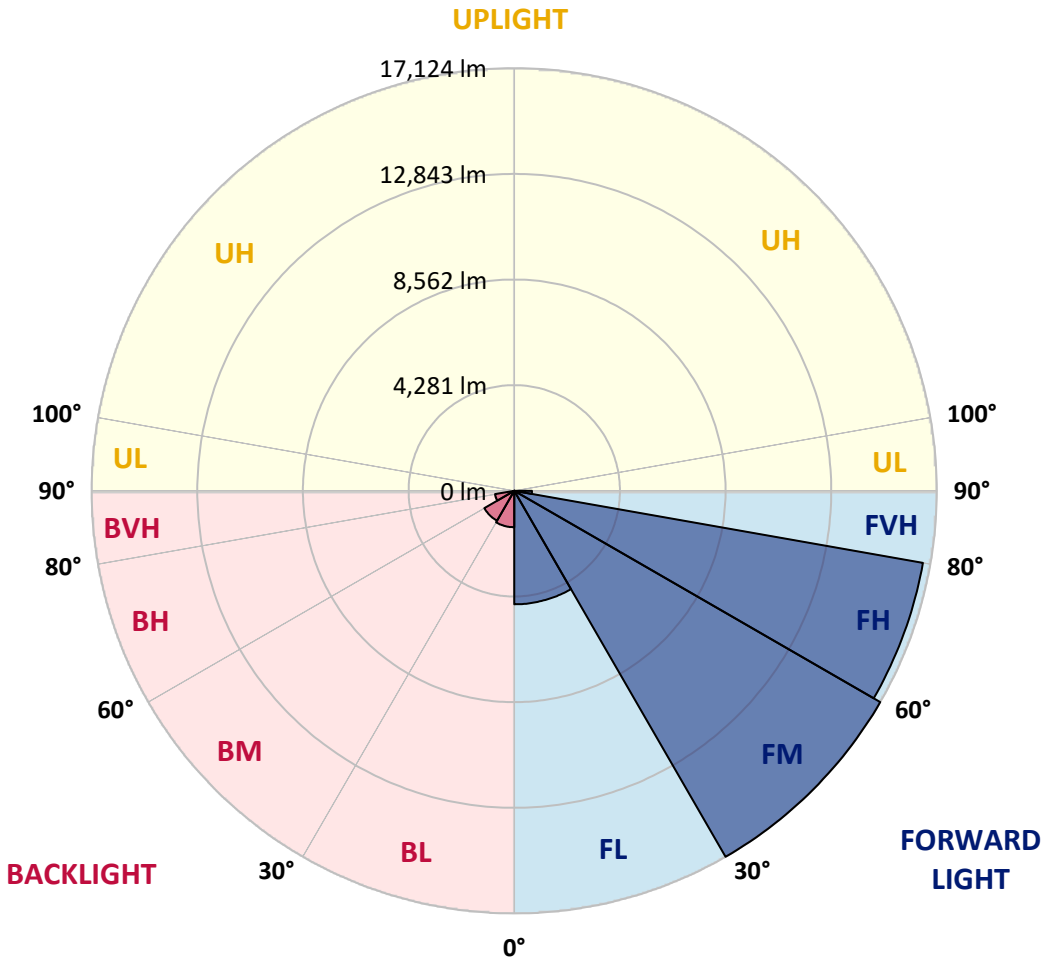
REPORT NUMBER: P323693
CATALOG NUMBER: GLEON-SA9C-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4598.4	10.7			
FM	(30°-60°)	17124.2	39.9			
FH	(60°-80°)	16815.0	39.2			G5
FVH	(80°-90°)	715.8	1.7			G4/750
BL	(0°-30°)	1475.9	3.4	B3/2500		
BM	(30°-60°)	1401.4	3.3	B2/2500		
BH	(60°-80°)	790.0	1.8	B2/1000		G2/1000
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: B3-U0-G5
Type III Medium



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Scaled Data Report

REPORT NUMBER: P323693
CATALOG NUMBER: GLEON-SA9C-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	12680.4	12680.4	12680.4	12680.4	12680.4	12680.4	12680.4	*12680.4*	12680.4	12680.4	12680.4
2.5°	13731.8	13697.9	13685.4	13664.0	13581.8	13501.5	13342.7	*13298.0*	13198.1	12960.7	12709.0
5°	13742.5	13740.7	13778.2	13769.3	13740.7	13703.2	13589.0	*13530.1*	13360.5	13021.4	12560.8
7.5°	13080.3	13114.2	13198.1	13265.9	13344.4	13446.2	13460.5	*13403.3*	13264.1	12898.2	12287.7
10°	12191.4	12244.9	12362.7	12496.6	12701.9	12905.3	13087.4	*13080.3*	13032.1	12671.5	11959.3
12.5°	11300.7	11363.1	11498.8	11696.9	11987.9	12319.9	12644.7	*12689.4*	12769.7	12468.0	11655.9
15°	10520.6	10574.2	10708.0	10950.8	11311.4	11757.6	12234.2	*12316.3*	12523.4	12309.2	11402.4
17.5°	9858.4	9892.3	9990.5	10260.0	10677.7	11218.5	11837.9	*11998.6*	12307.4	12184.2	11182.8
20°	9396.1	9401.4	9465.7	9654.9	10072.6	10677.7	11427.4	*11657.6*	12078.9	12077.1	10956.2
22.5°	9167.6	9149.8	9162.3	9271.1	9578.2	10161.8	11016.8	*11289.9*	11873.6	11986.1	10725.9
25°	9124.8	9110.5	9074.8	9089.1	9274.7	9710.2	10602.7	*10918.7*	11693.3	11930.7	10526.0
27.5°	9258.6	9272.9	9212.2	9148.0	9162.3	9417.5	10235.0	*10600.9*	11547.0	11930.7	10385.0
30°	9528.2	9535.3	9490.7	9406.8	9294.3	9335.4	9979.8	*10345.7*	11473.8	12012.9	10295.7
32.5°	9826.3	9865.5	9860.2	9792.3	9631.7	9465.7	9919.1	*10252.9*	11468.4	12194.9	10286.8
35°	10195.8	10240.4	10315.3	10301.1	10133.3	9860.2	10126.1	*10388.5*	11573.8	12494.8	10383.2
37.5°	10588.4	10656.3	10816.9	10893.7	10784.8	10476.0	10590.2	*10777.7*	11855.8	12980.3	10627.7
40°	10968.6	11045.4	11338.1	11639.8	11557.7	11240.0	11293.5	*11443.4*	12357.4	13678.2	11091.8
42.5°	11341.7	11455.9	11886.1	12382.3	12480.5	12227.1	12255.6	*12375.2*	13101.7	14638.5	11850.4
45°	11787.9	11916.5	12553.7	13165.9	13428.3	13317.7	13439.0	*13517.6*	14074.5	15907.7	12873.2
47.5°	12443.0	12591.2	13373.0	14070.9	14531.4	14602.8	14847.4	*14899.2*	15304.3	17385.6	14206.6
50°	13721.1	13762.1	14469.0	15102.6	15766.6	16195.0	16473.5	*16512.8*	16793.0	19001.0	15872.0
52.5°	15329.3	15356.1	15755.9	16180.8	16935.8	17810.4	18462.0	*18517.3*	18576.2	20575.4	17515.9
55°	16926.9	16923.3	17187.5	17437.4	18301.3	19572.2	20985.9	*21019.8*	20596.8	22069.4	18772.5
57.5°	17924.7	18021.1	18422.7	18744.0	19950.6	21580.3	23542.0	*23666.9*	22719.1	23176.1	20014.9
60°	17607.0	17653.4	18544.1	19732.9	22005.1	24434.5	26128.4	*26160.5*	24314.9	24281.0	21585.7
62.5°	15000.9	15025.9	16425.3	18876.1	23045.8	28136.5	29248.5	*28725.5*	26149.8	25814.2	23465.2
65°	10281.4	10443.9	11613.0	14642.1	21134.1	30458.7	34078.7	*33213.0*	28946.9	28024.0	25164.5
67.5°	6054.6	6020.7	6599.0	8830.3	15522.1	28916.5	40188.6	*39328.3*	32761.4	29503.8	24666.5
70°	*4135.8*	*4112.6*	*4333.9*	*5346.0*	*8762.4*	*22431.7*	*42111.0*	*43847.8*	*36129.6*	*28507.8*	*21228.7*
72.5°	2952.3	2964.8	3291.5	4153.6	5501.3	13069.6	36213.5	*40324.3*	35074.7	24852.1	16136.1
75°	2004.5	2038.4	2506.1	3407.5	4823.0	6649.0	25698.2	*30653.3*	28561.3	18062.1	9274.7
77.5°	1078.1	1115.6	1667.2	2745.3	4360.7	4619.5	16530.6	*21096.6*	17940.7	8119.8	2688.2
80°	449.8	471.2	780.0	1995.6	3768.1	4057.2	9726.3	*12792.9*	7645.0	1601.1	599.8
82.5°	194.6	205.3	324.9	1190.6	2816.7	3425.4	5149.6	*6154.6*	2316.9	351.6	301.7
85°	37.5	39.3	133.9	630.1	1797.5	1933.1	3337.9	*3271.9*	1040.6	151.7	219.6
87.5°	0.0	0.0	32.1	198.1	528.4	1053.1	2036.7	*2011.7*	353.4	73.2	82.1
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: P323693
CATALOG NUMBER: GLEON-SA9C-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12680.4	12680.4	12680.4	12680.4	12680.4	12680.4	12680.4	12680.4	12680.4	12680.4	12680.4
2.5°	12580.5	12457.3	12198.5	11879.0	11634.4	11364.9	11150.7	10879.4	10761.6	10766.9	10702.7
5°	12298.4	12045.0	11472.0	10749.1	10192.2	9617.4	9123.0	8630.3	8339.4	8244.8	8155.5
7.5°	11895.0	11493.4	10579.5	9465.7	8523.2	7602.2	6800.7	6095.7	5649.4	5431.7	5351.3
10°	11439.9	10875.8	9553.2	8085.9	6740.0	5494.1	4455.3	3552.1	3191.5	2947.0	2884.5
12.5°	11040.0	10276.1	8550.0	6670.4	5072.9	3569.9	2579.3	2017.0	1772.5	1676.1	1660.0
15°	10663.4	9715.6	7584.3	5388.8	3512.8	2197.3	1640.4	1449.4	1392.3	1376.2	1376.2
17.5°	10308.2	9181.9	6640.1	4126.9	2324.0	1540.4	1358.4	1315.5	1297.7	1295.9	1297.7
20°	9936.9	8648.2	5711.9	3023.7	1622.5	1304.8	1254.8	1231.6	1226.3	1226.3	1226.3
22.5°	9581.7	8114.5	4808.7	2159.8	1301.2	1190.6	1165.6	1149.5	1144.2	1142.4	1138.8
25°	9240.8	7607.5	3926.9	1526.2	1142.4	1090.6	1069.2	1047.8	1031.7	1022.8	1017.4
27.5°	8960.6	7155.9	3105.8	1224.5	1031.7	987.1	960.3	928.2	888.9	871.1	863.9
30°	8737.4	6743.6	2393.6	1033.5	928.2	883.6	842.5	787.2	730.1	699.7	697.9
32.5°	8562.5	6338.4	1817.1	913.9	835.4	780.0	721.1	651.5	585.5	551.6	549.8
35°	8476.8	5981.4	1388.7	826.4	753.3	683.6	610.5	533.7	469.4	437.3	433.7
37.5°	8533.9	5679.8	1083.5	753.3	683.6	603.3	517.6	437.3	380.2	351.6	349.9
40°	8742.8	5487.0	880.0	690.8	624.7	526.6	433.7	358.8	310.6	287.4	285.6
42.5°	9187.2	5415.6	751.5	639.0	567.6	455.2	360.6	296.3	251.7	235.6	232.0
45°	9929.8	5520.9	664.0	589.0	508.7	387.3	298.1	242.8	203.5	191.0	189.2
47.5°	10918.7	5797.6	601.5	540.8	455.2	326.6	248.1	196.3	166.0	153.5	151.7
50°	12193.1	6236.7	549.8	492.7	405.2	276.7	205.3	155.3	128.5	119.6	119.6
52.5°	13580.1	6759.7	503.4	448.0	355.2	230.3	166.0	119.6	101.7	91.0	91.0
55°	14726.0	7216.6	453.4	414.1	294.5	191.0	126.7	91.0	75.0	69.6	69.6
57.5°	15870.2	7703.9	396.3	355.2	235.6	155.3	96.4	67.8	55.3	51.8	51.8
60°	17353.5	8300.1	340.9	289.2	185.6	117.8	71.4	48.2	41.1	39.3	39.3
62.5°	18984.9	8650.0	291.0	232.0	144.6	87.5	51.8	32.1	30.3	30.3	28.6
65°	19982.7	8155.5	244.5	185.6	112.5	66.0	33.9	23.2	26.8	25.0	21.4
67.5°	18710.1	6384.8	199.9	144.6	87.5	50.0	21.4	16.1	28.6	23.2	17.8
70°	*15491.8*	*4469.6*	*155.3*	*101.7*	*69.6*	*42.8*	*14.3*	*10.7*	*30.3*	*23.2*	*14.3*
72.5°	11593.4	2991.6	123.2	67.8	51.8	37.5	12.5	5.4	26.8	19.6	12.5
75°	6334.9	1204.9	98.2	42.8	32.1	26.8	8.9	3.6	17.8	14.3	8.9
77.5°	1667.2	317.7	71.4	28.6	17.8	10.7	5.4	1.8	8.9	7.1	3.6
80°	424.8	123.2	46.4	19.6	12.5	5.4	0.0	0.0	1.8	0.0	0.0
82.5°	226.7	51.8	28.6	14.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	171.4	33.9	16.1	8.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	66.0	10.7	5.4	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

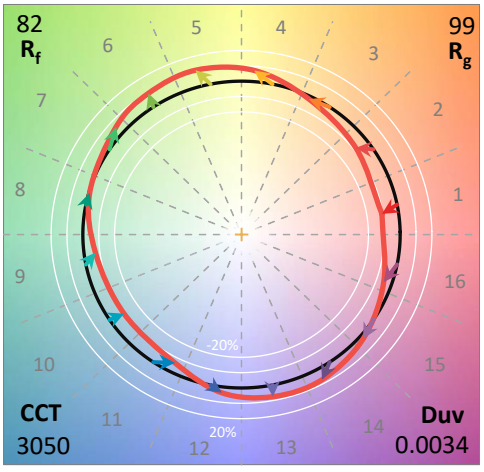
Test Information

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

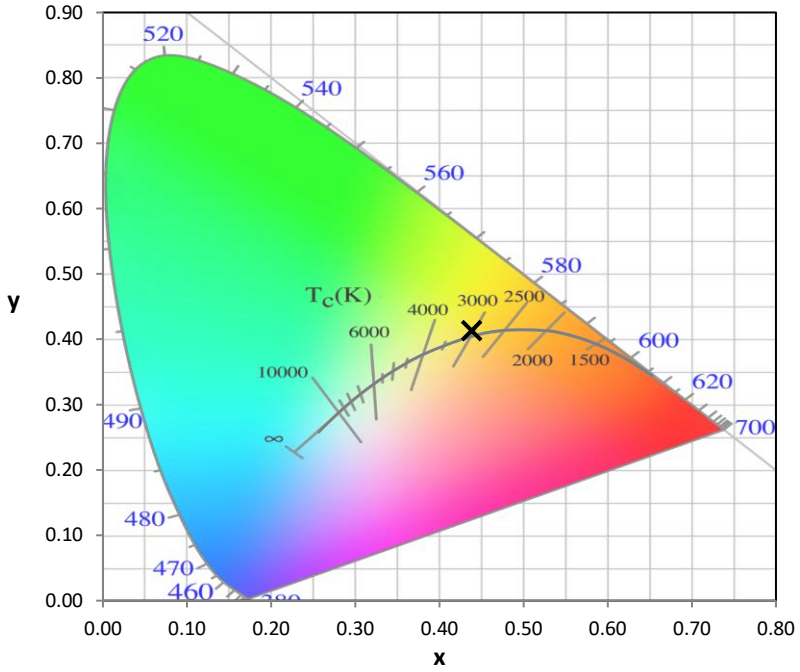
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

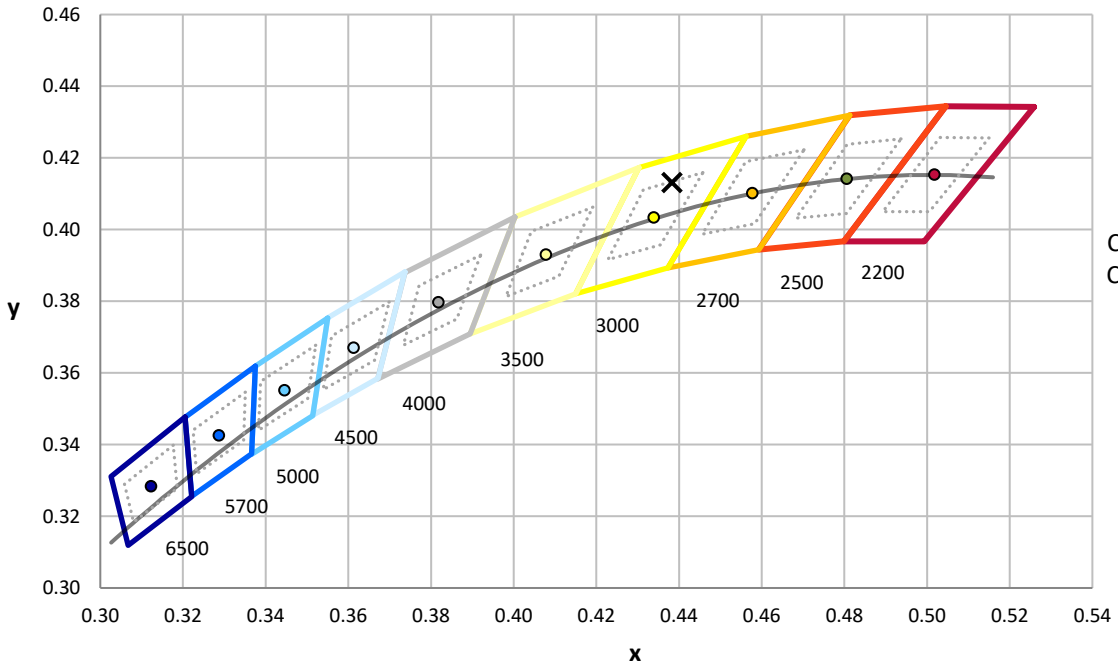
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

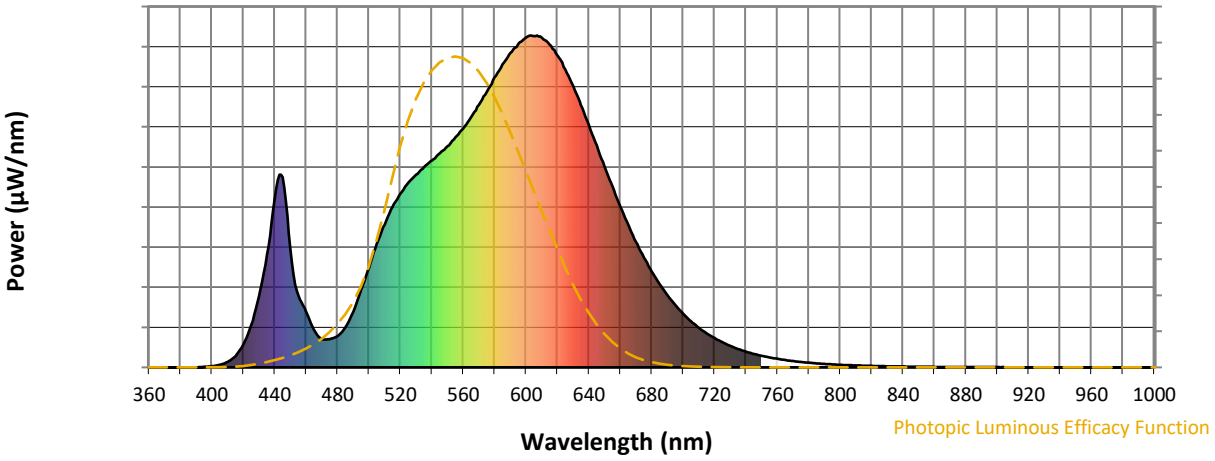


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

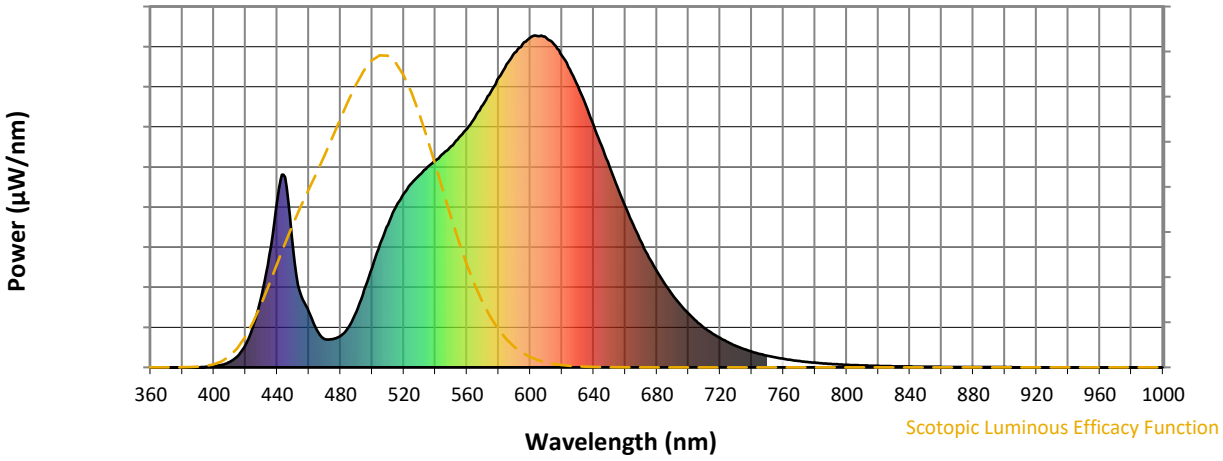


Photopic Lumens: NR

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

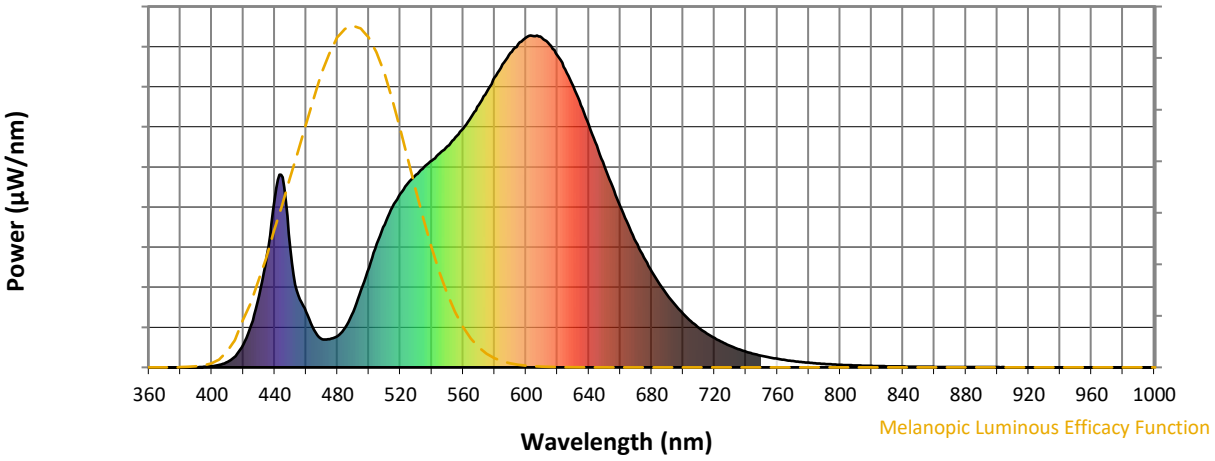


Scotopic Lumens: NR **S/P: 1.27**

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			

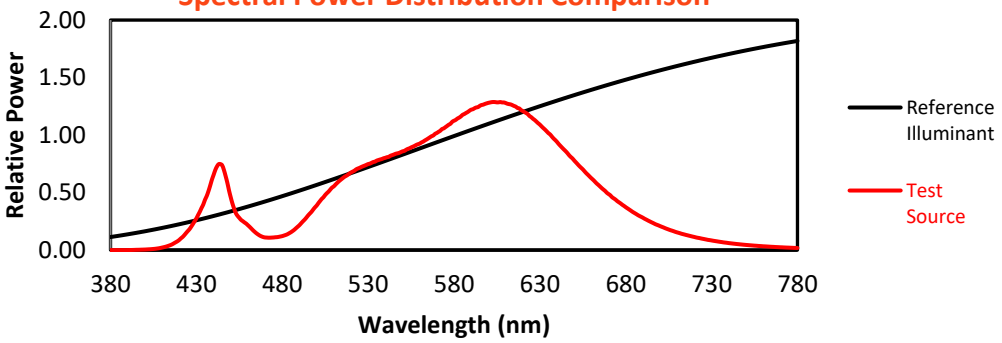
REPORT NUMBER: SP1-2408-195-9

TM-30-18

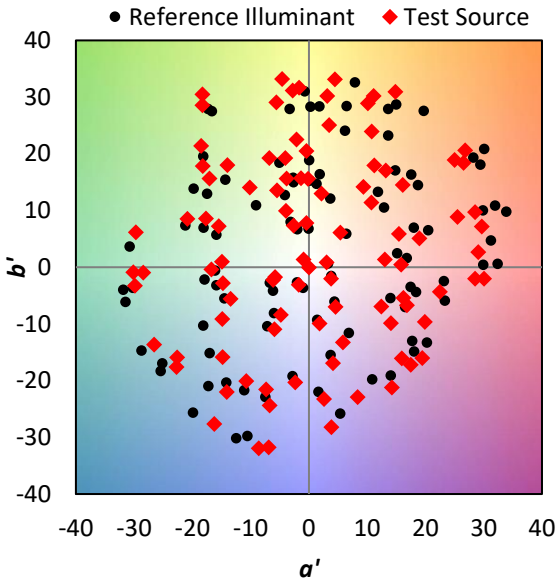
Summary

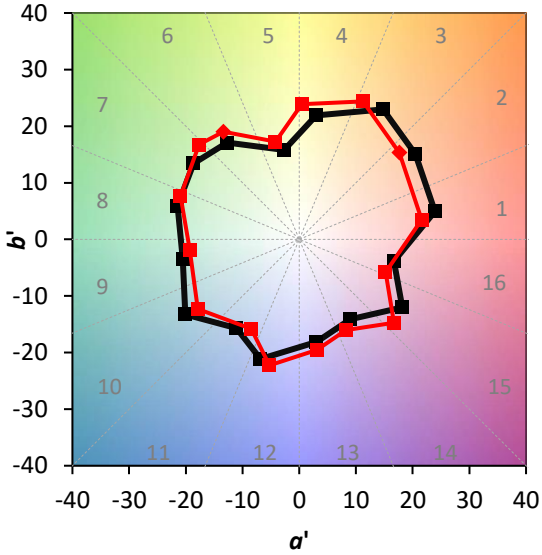
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

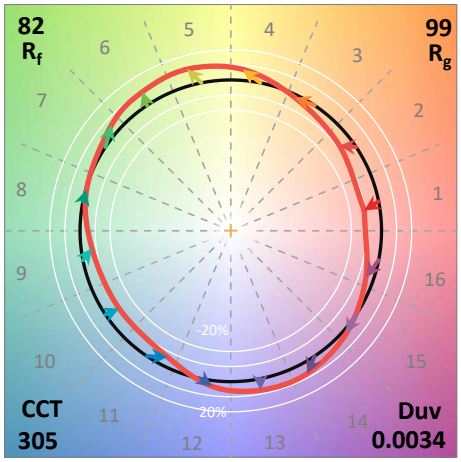
Spectral Power Distribution Comparison

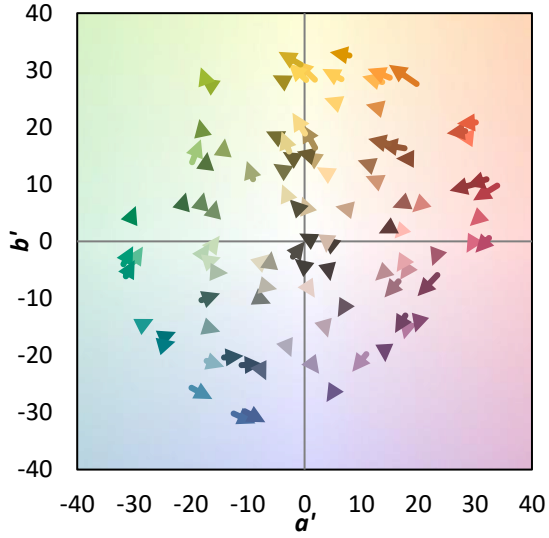


Color Vector Graphics







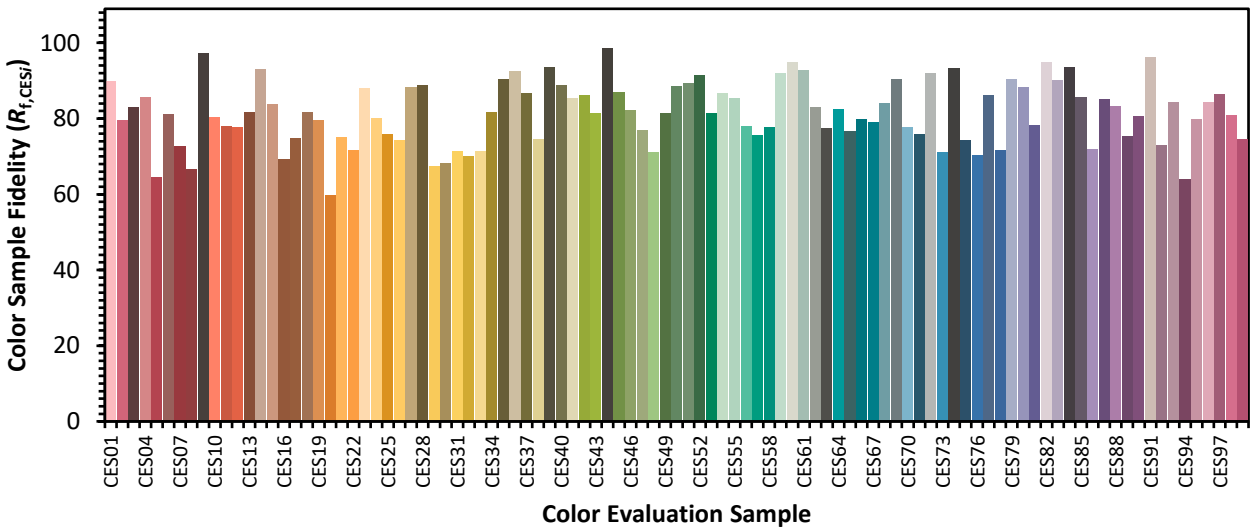


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

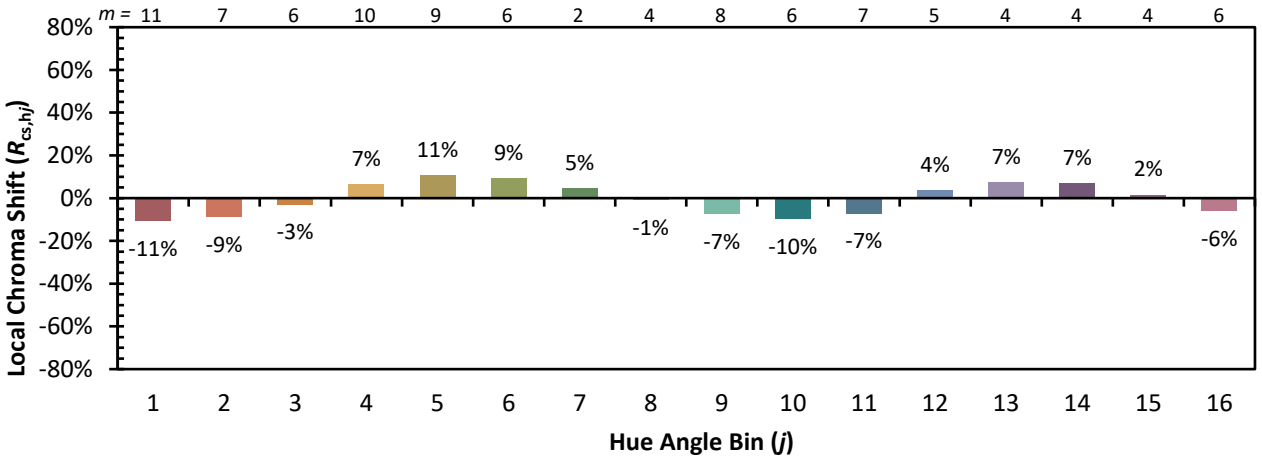
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

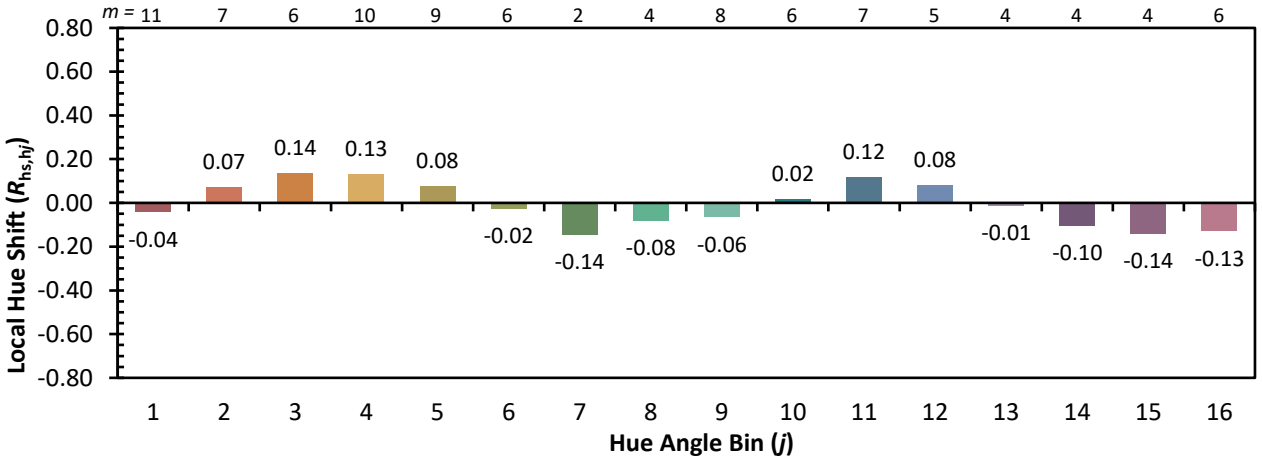


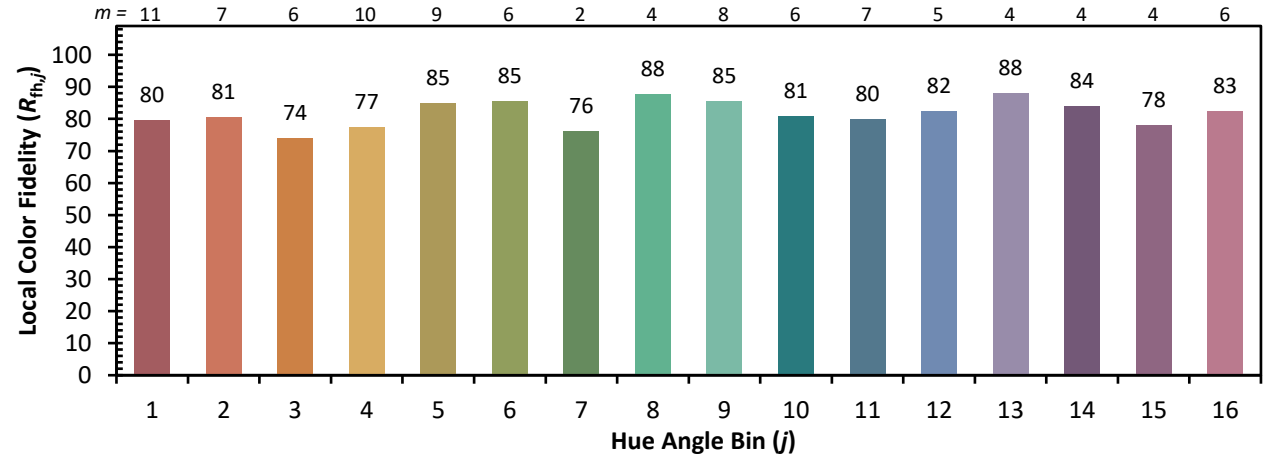
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



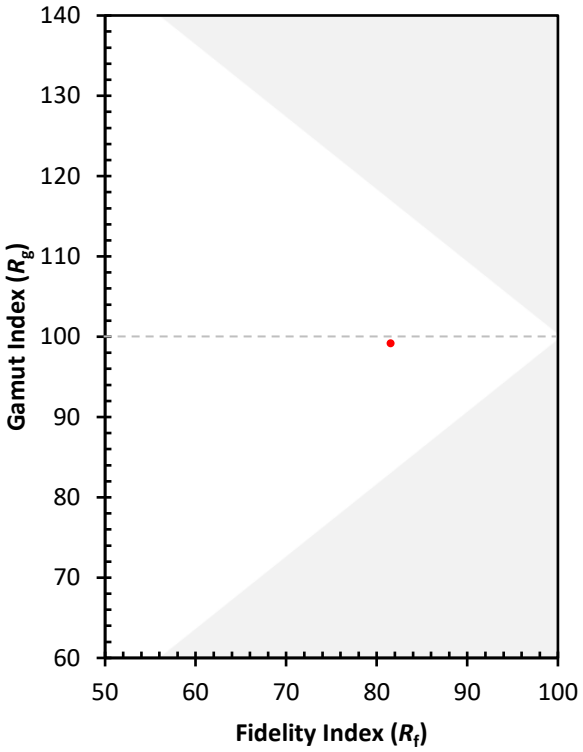


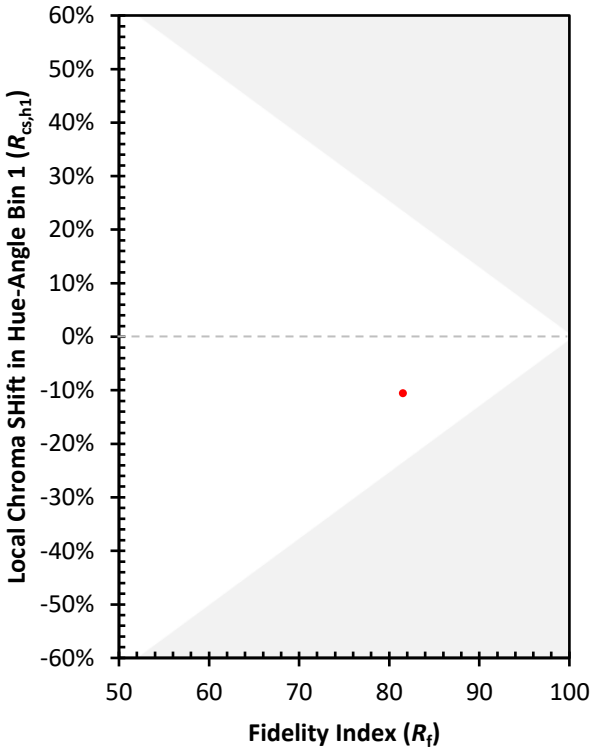


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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