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: P323700

Luminaire Tested: **GLEON-SA6D-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:	P323700
	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-SA6D-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 1200mA 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:	31505 lumens
Efficiency:	N/A
Efficacy:	82.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	382
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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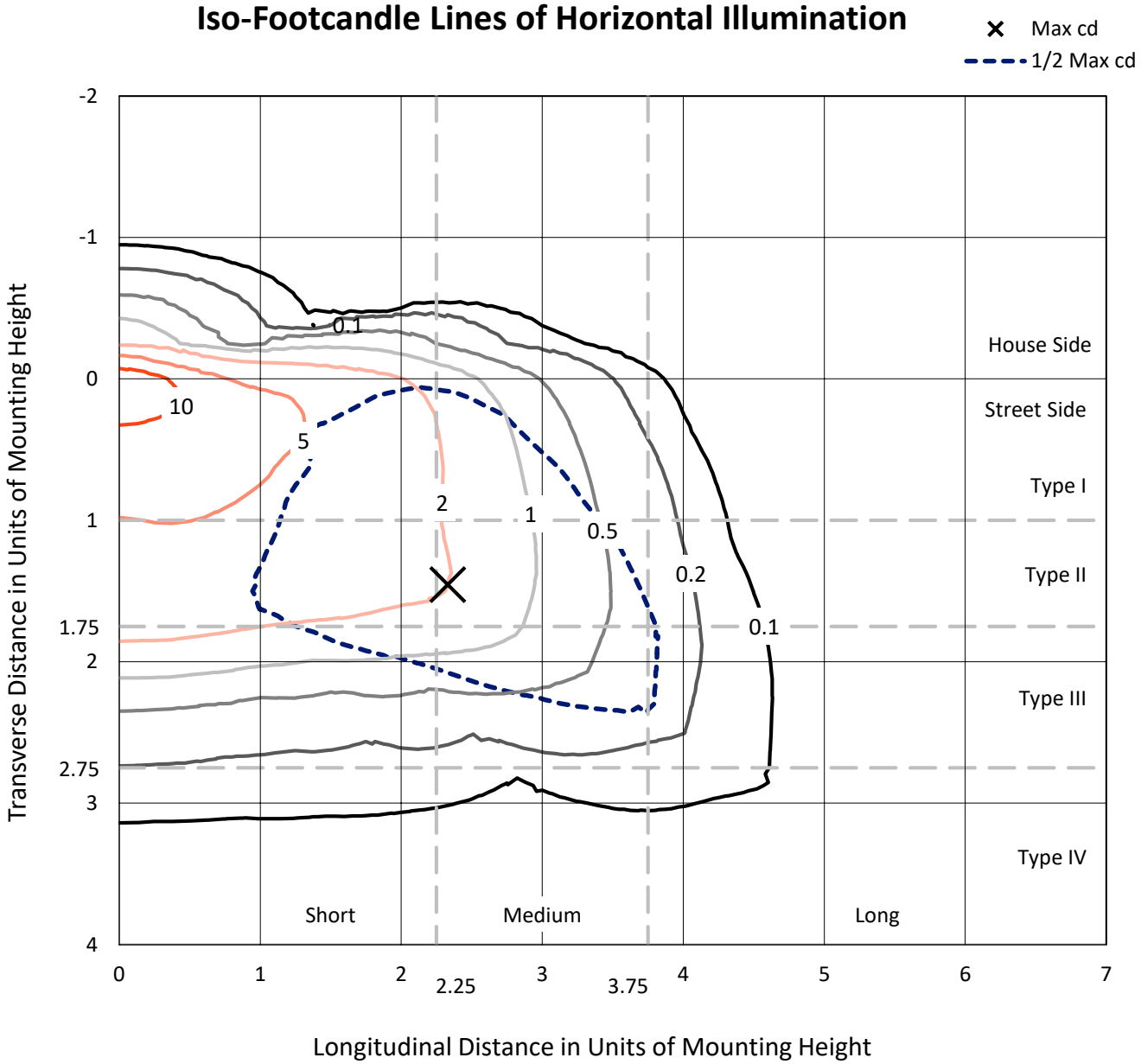
Scaled Data Report

REPORT NUMBER: P323700
CATALOG NUMBER: GLEON-SA6D-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
Type III - Medium - N/A

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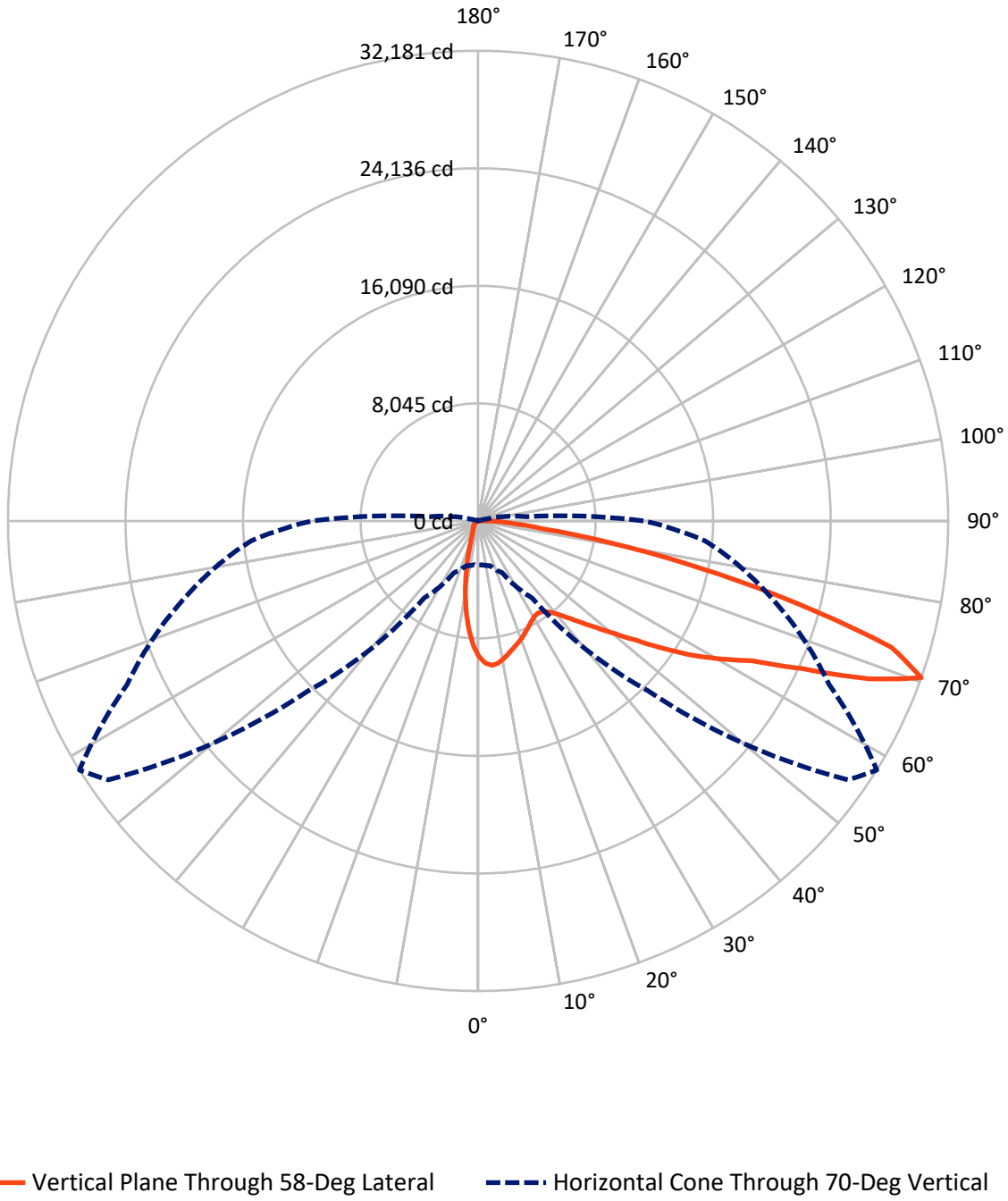
Luminous Intensity Polar Plot



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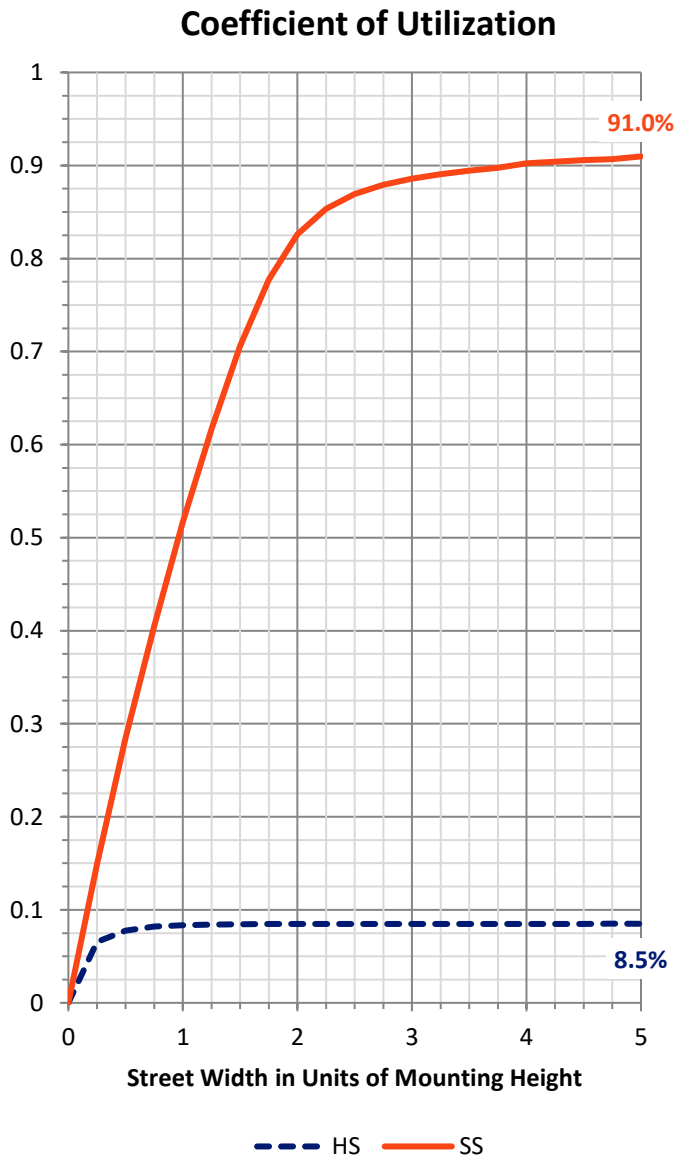
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2696.1	0.0	2696.1
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	28808.9	0.0	28808.9
	% Fixture	91.4	0.0	91.4
Total	Lumens	31505.0	0.0	31505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.0	2.4
10°-20°	1597.2	5.1
20°-30°	2099.8	6.7
30°-40°	2780.9	8.8
40°-50°	4156.6	13.2
50°-60°	6658.8	21.1
60°-70°	8393.3	26.6
70°-80°	4527.3	14.4
80°-90°	529.9	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°	31505.0	100.0
0°-180°	31505.0	100.0



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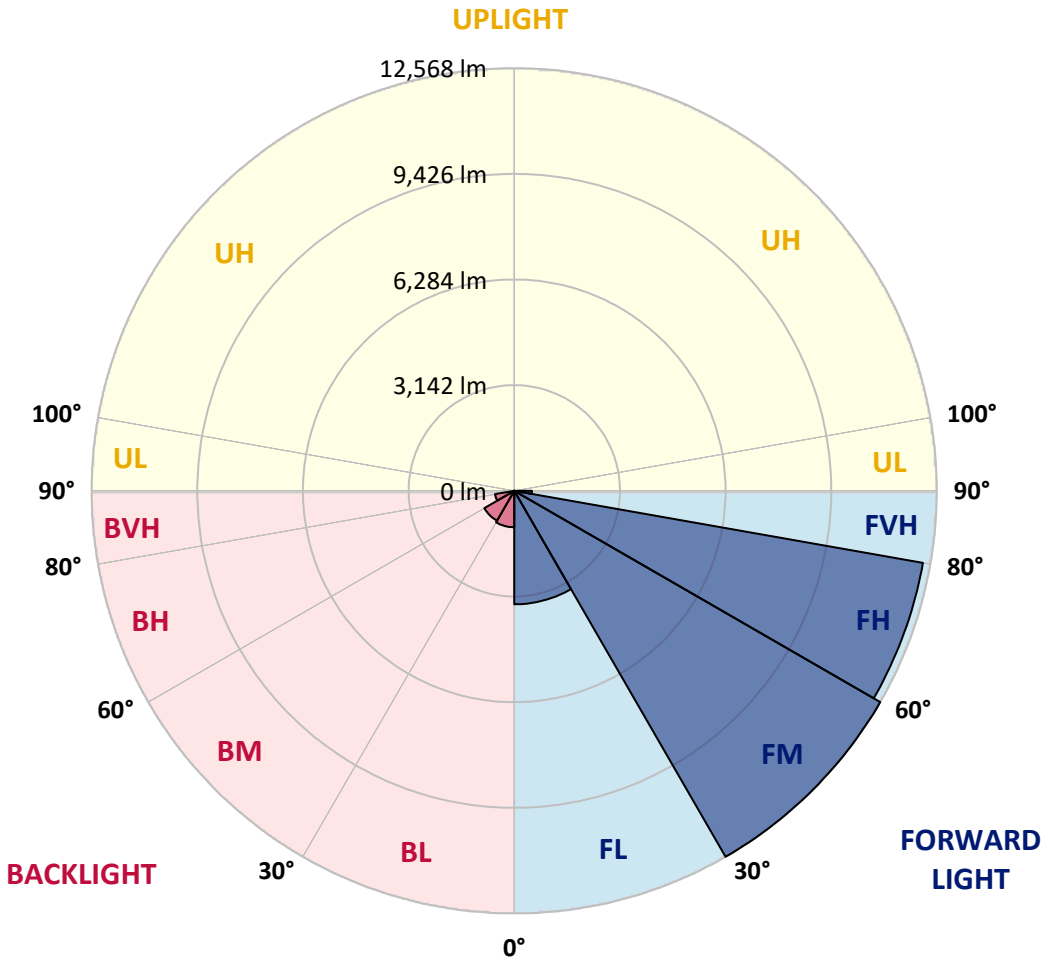
REPORT NUMBER: P323700
CATALOG NUMBER: GLEON-SA6D-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3374.8	10.7			
FM	(30°-60°)	12567.8	39.9			
FH	(60°-80°)	12340.8	39.2			G5
FVH	(80°-90°)	525.4	1.7			G4/750
BL	(0°-30°)	1083.2	3.4	B3/2500		
BM	(30°-60°)	1028.5	3.3	B2/2500		
BH	(60°-80°)	579.8	1.8	B2/1000		G2/1000
BVH	(80°-90°)	4.6	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: P323700
CATALOG NUMBER: GLEON-SA6D-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4
2.5°	10078.0	10053.1	10044.0	10028.3	9968.0	9909.0	9792.4	9759.7	9686.3	9512.1	9327.4
5°	10085.9	10084.6	10112.1	10105.5	10084.6	10057.1	9973.2	9930.0	9805.5	9556.6	9218.7
7.5°	9599.9	9624.8	9686.3	9736.1	9793.8	9868.4	9878.9	9837.0	9734.8	9466.3	9018.2
10°	8947.5	8986.8	9073.2	9171.5	9322.1	9471.5	9605.1	9599.9	9564.5	9299.9	8777.2
12.5°	8293.8	8339.6	8439.2	8584.6	8798.1	9041.8	9280.2	9313.0	9371.9	9150.5	8554.5
15°	7721.3	7760.6	7858.8	8037.0	8301.6	8629.1	8978.9	9039.2	9191.1	9033.9	8368.4
17.5°	7235.3	7260.2	7332.2	7530.0	7836.6	8233.5	8688.1	8806.0	9032.6	8942.2	8207.3
20°	6896.0	6899.9	6947.1	7085.9	7392.5	7836.6	8386.8	8555.8	8864.9	8863.6	8040.9
22.5°	6728.3	6715.2	6724.4	6804.3	7029.6	7458.0	8085.5	8285.9	8714.3	8796.8	7871.9
25°	6696.9	6686.4	6660.2	6670.7	6806.9	7126.5	7781.6	8013.4	8582.0	8756.2	7725.2
27.5°	6795.1	6805.6	6761.0	6713.9	6724.4	6911.7	7511.7	7780.2	8474.6	8756.2	7621.7
30°	6992.9	6998.2	6965.4	6903.8	6821.3	6851.4	7324.4	7592.9	8420.9	8816.5	7556.2
32.5°	7211.7	7240.5	7236.6	7186.8	7068.9	6947.1	7279.8	7524.8	8416.9	8950.1	7549.7
35°	7482.9	7515.6	7570.6	7560.2	7437.0	7236.6	7431.8	7624.4	8494.2	9170.2	7620.4
37.5°	7771.1	7820.9	7938.8	7995.1	7915.2	7688.5	7772.4	7909.9	8701.2	9526.5	7799.9
40°	8050.1	8106.4	8321.3	8542.7	8482.4	8249.2	8288.5	8398.6	9069.3	10038.7	8140.5
42.5°	8323.9	8407.7	8723.5	9087.7	9159.7	8973.7	8994.6	9082.4	9615.6	10743.5	8697.3
45°	8651.4	8745.7	9213.4	9662.8	9855.3	9774.1	9863.2	9920.8	10329.6	11675.0	9447.9
47.5°	9132.2	9240.9	9814.7	10326.9	10664.9	10717.3	10896.8	10934.8	11232.2	12759.7	10426.5
50°	10070.2	10100.3	10619.1	11084.1	11571.5	11885.9	12090.2	12119.1	12324.7	13945.2	11648.8
52.5°	11250.5	11270.2	11563.6	11875.4	12429.5	13071.4	13549.6	13590.2	13633.4	15100.7	12855.3
55°	12423.0	12420.4	12614.2	12797.6	13431.7	14364.4	15402.0	15426.9	15116.4	16197.2	13777.5
57.5°	13155.3	13226.0	13520.8	13756.6	14642.2	15838.2	17277.9	17369.6	16674.0	17009.4	14689.3
60°	12922.1	12956.2	13609.9	14482.3	16150.0	17933.0	19176.2	19199.7	17845.2	17820.3	15842.1
62.5°	11009.5	11027.8	12054.9	13853.5	16913.8	20649.9	21466.1	21082.3	19191.9	18945.6	17221.6
65°	7545.8	7665.0	8523.0	10746.1	15510.7	22354.3	25011.0	24375.7	21244.7	20567.4	18468.8
67.5°	4443.6	4418.7	4843.2	6480.7	11392.0	21222.4	29495.2	28863.8	24044.2	21653.4	18103.3
70°	3035.3	3018.3	3180.7	3923.5	6430.9	16463.1	30906.1	32180.8	26516.2	20922.4	15580.1
72.5°	2166.8	2176.0	2415.7	3048.4	4037.5	9592.0	26577.8	29594.8	25742.0	18239.5	11842.6
75°	1471.2	1496.1	1839.3	2500.8	3539.7	4879.8	18860.5	22497.1	20961.7	13256.2	6806.9
77.5°	791.3	818.8	1223.6	2014.8	3200.4	3390.3	12132.2	15483.2	13167.1	5959.3	1972.9
80°	330.1	345.8	572.5	1464.6	2765.5	2977.7	7138.3	9389.0	5610.8	1175.1	440.2
82.5°	142.8	150.7	238.4	873.8	2067.2	2513.9	3779.4	4517.0	1700.4	258.1	221.4
85°	27.5	28.8	98.3	462.4	1319.2	1418.8	2449.7	2401.3	763.7	111.4	161.1
87.5°	0.0	0.0	23.6	145.4	387.8	772.9	1494.7	1476.4	259.4	53.7	60.3
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: P323700
CATALOG NUMBER: GLEON-SA6D-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4	9306.4
2.5°	9233.1	9142.7	8952.7	8718.2	8538.8	8340.9	8183.7	7984.6	7898.1	7902.1	7854.9
5°	9026.1	8840.1	8419.5	7889.0	7480.3	7058.4	6695.5	6334.0	6120.4	6051.0	5985.5
7.5°	8730.0	8435.3	7764.5	6947.1	6255.4	5579.4	4991.2	4473.7	4146.2	3986.4	3927.5
10°	8396.0	7982.0	7011.3	5934.4	4946.7	4032.3	3269.8	2607.0	2342.3	2162.9	2117.0
12.5°	8102.5	7541.8	6275.0	4895.6	3723.1	2620.1	1893.0	1480.3	1300.9	1230.1	1218.3
15°	7826.1	7130.5	5566.3	3955.0	2578.1	1612.6	1203.9	1063.7	1021.8	1010.0	1010.0
17.5°	7565.4	6738.8	4873.3	3028.8	1705.7	1130.6	996.9	965.5	952.4	951.1	952.4
20°	7292.9	6347.1	4192.1	2219.2	1190.8	957.6	920.9	903.9	900.0	900.0	900.0
22.5°	7032.2	5955.4	3529.2	1585.1	955.0	873.8	855.4	843.7	839.7	838.4	835.8
25°	6782.0	5583.3	2882.1	1120.1	838.4	800.4	784.7	769.0	757.2	750.6	746.7
27.5°	6576.3	5251.9	2279.4	898.7	757.2	724.4	704.8	681.2	652.4	639.3	634.1
30°	6412.6	4949.3	1756.7	758.5	681.2	648.5	618.3	577.7	535.8	513.5	512.2
32.5°	6284.2	4651.9	1333.6	670.7	613.1	572.5	529.3	478.2	429.7	404.8	403.5
35°	6221.3	4389.9	1019.2	606.5	552.8	501.7	448.0	391.7	344.5	321.0	318.3
37.5°	6263.2	4168.5	795.2	552.8	501.7	442.8	379.9	321.0	279.0	258.1	256.8
40°	6416.5	4027.0	645.8	507.0	458.5	386.5	318.3	263.3	227.9	210.9	209.6
42.5°	6742.7	3974.6	551.5	469.0	416.6	334.1	264.6	217.5	184.7	172.9	170.3
45°	7287.7	4051.9	487.3	432.3	373.4	284.3	218.8	178.2	149.3	140.2	138.9
47.5°	8013.4	4255.0	441.5	396.9	334.1	239.7	182.1	144.1	121.8	112.7	111.4
50°	8948.8	4577.2	403.5	361.6	297.4	203.1	150.7	114.0	94.3	87.8	87.8
52.5°	9966.7	4961.1	369.4	328.8	260.7	169.0	121.8	87.8	74.7	66.8	66.8
55°	10807.7	5296.4	332.7	303.9	216.2	140.2	93.0	66.8	55.0	51.1	51.1
57.5°	11647.4	5654.1	290.8	260.7	172.9	114.0	70.7	49.8	40.6	38.0	38.0
60°	12736.1	6091.6	250.2	212.2	136.2	86.5	52.4	35.4	30.1	28.8	28.8
62.5°	13933.4	6348.4	213.5	170.3	106.1	64.2	38.0	23.6	22.3	22.3	21.0
65°	14665.7	5985.5	179.5	136.2	82.5	48.5	24.9	17.0	19.7	18.3	15.7
67.5°	13731.7	4686.0	146.7	106.1	64.2	36.7	15.7	11.8	21.0	17.0	13.1
70°	*11369.7*	*3280.3*	*114.0*	*74.7*	*51.1*	*31.4*	*10.5*	*7.9*	*22.3*	*17.0*	*10.5*
72.5°	8508.6	2195.6	90.4	49.8	38.0	27.5	9.2	3.9	19.7	14.4	9.2
75°	4649.3	884.3	72.1	31.4	23.6	19.7	6.6	2.6	13.1	10.5	6.6
77.5°	1223.6	233.2	52.4	21.0	13.1	7.9	3.9	1.3	6.6	5.2	2.6
80°	311.8	90.4	34.1	14.4	9.2	3.9	0.0	0.0	1.3	0.0	0.0
82.5°	166.4	38.0	21.0	10.5	5.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	125.8	24.9	11.8	6.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	48.5	7.9	3.9	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

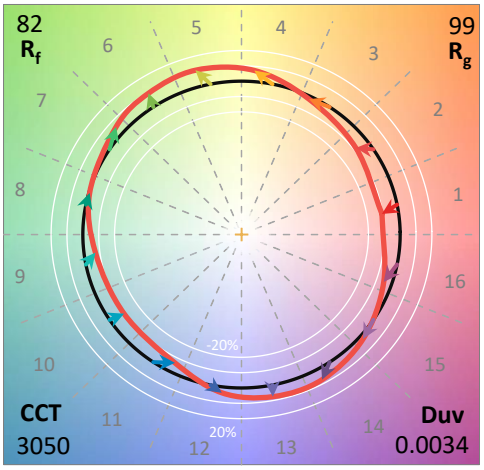
Test Information

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

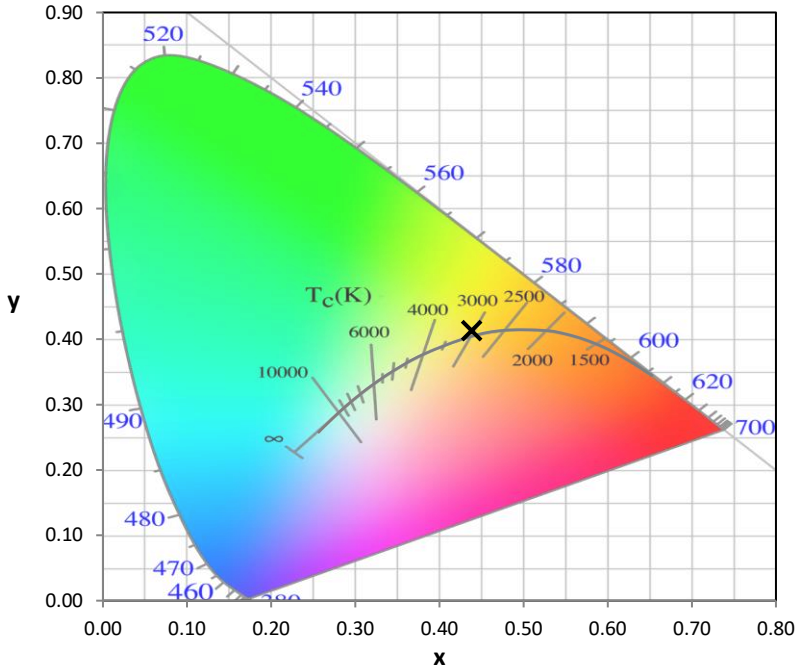
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

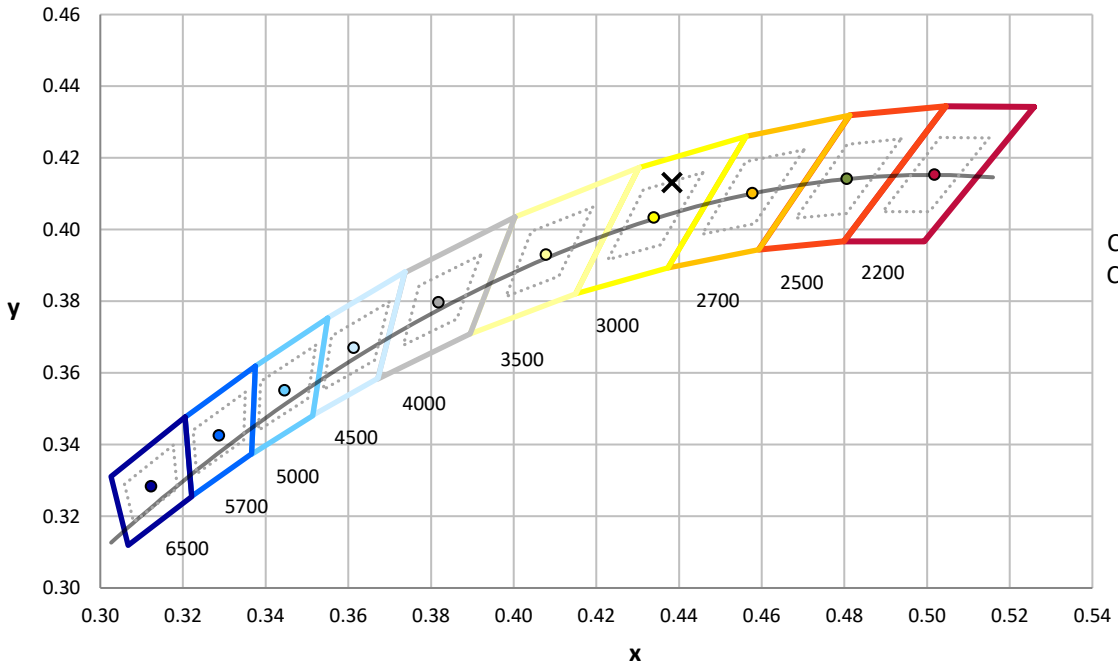
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

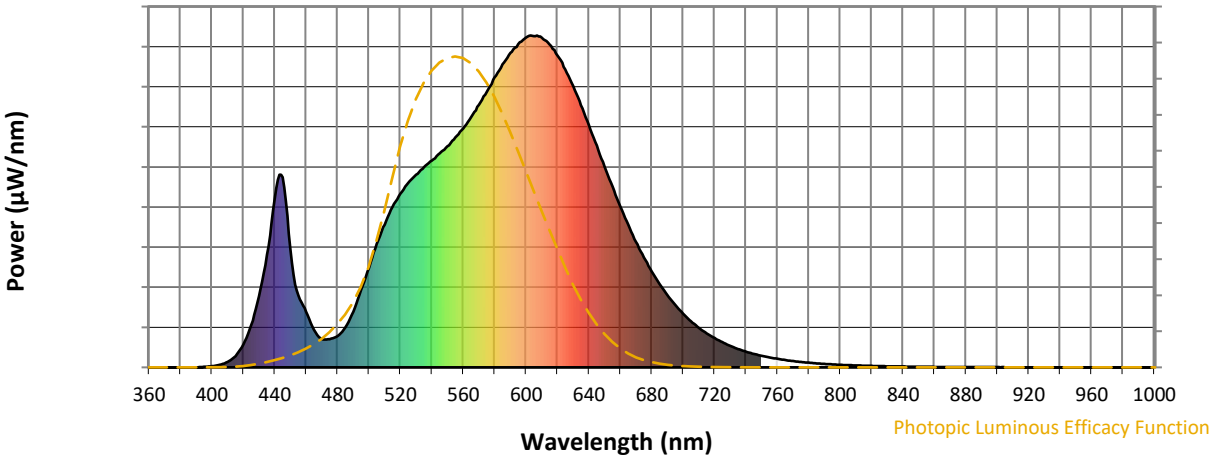


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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			

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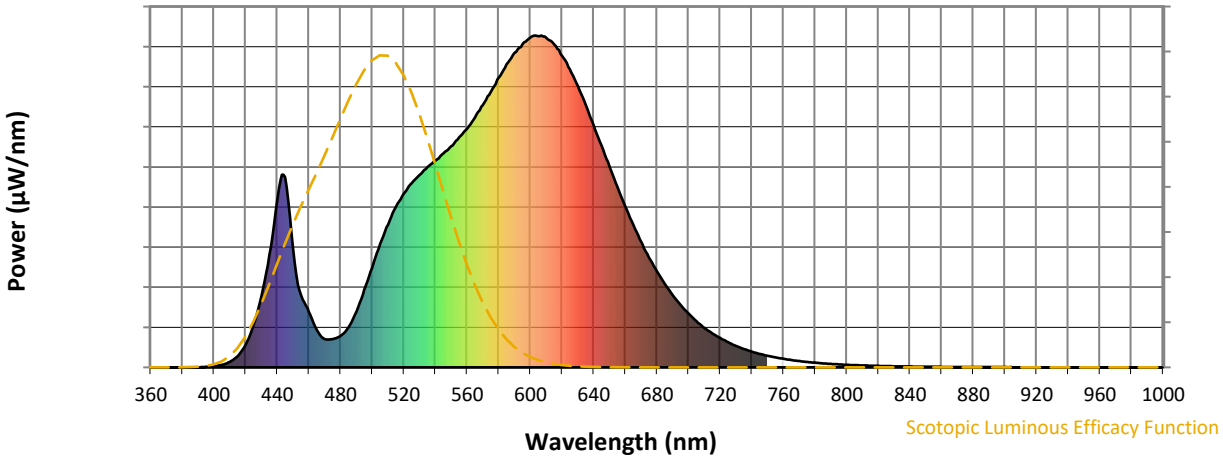
Scotopic Flux vs. Wavelength



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			

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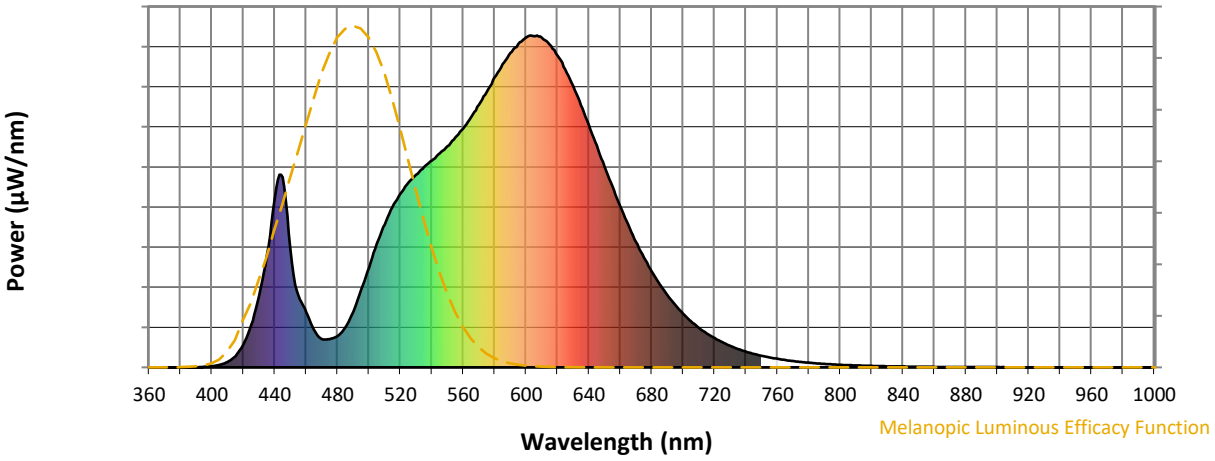
Melanopic Flux vs. Wavelength



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			

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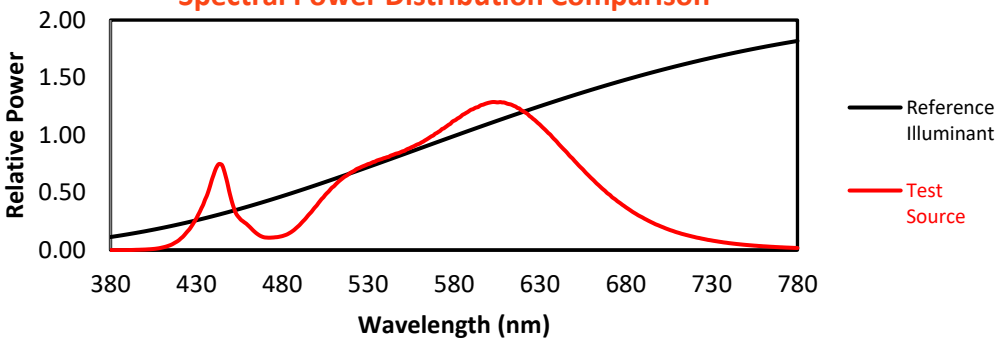
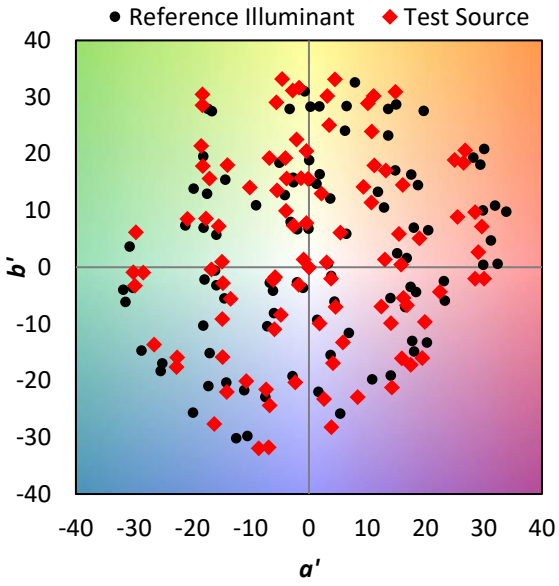
Summary

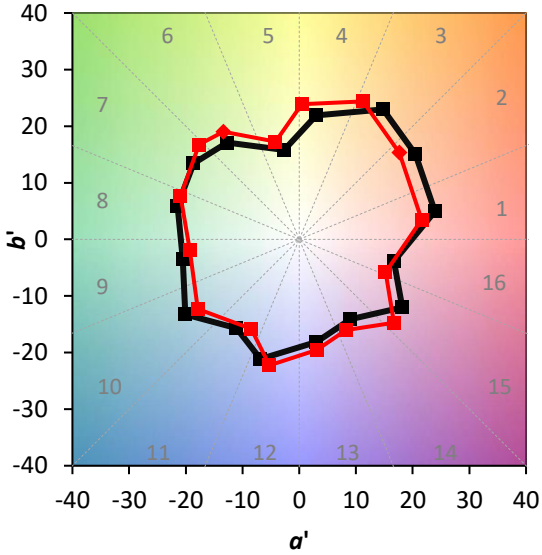
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

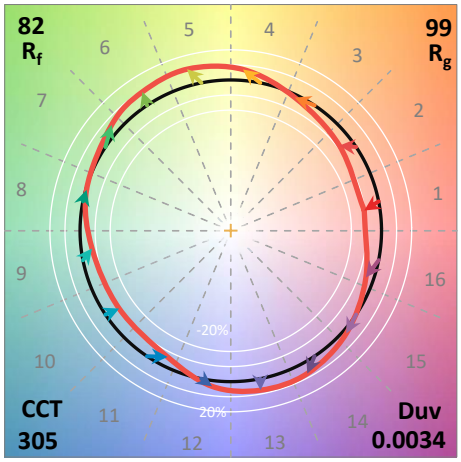
Spectral Power Distribution Comparison

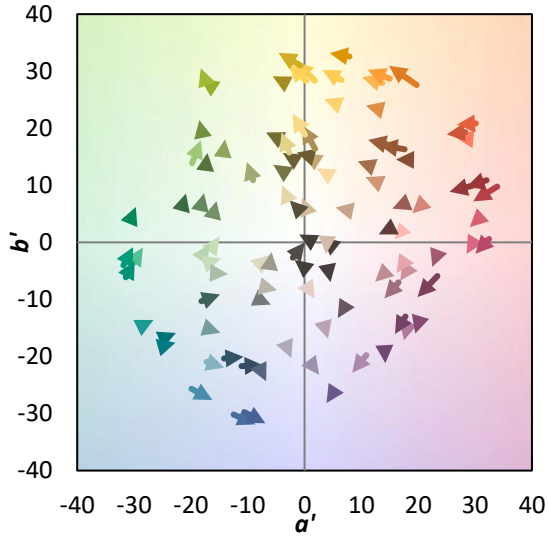


Color Vector Graphics









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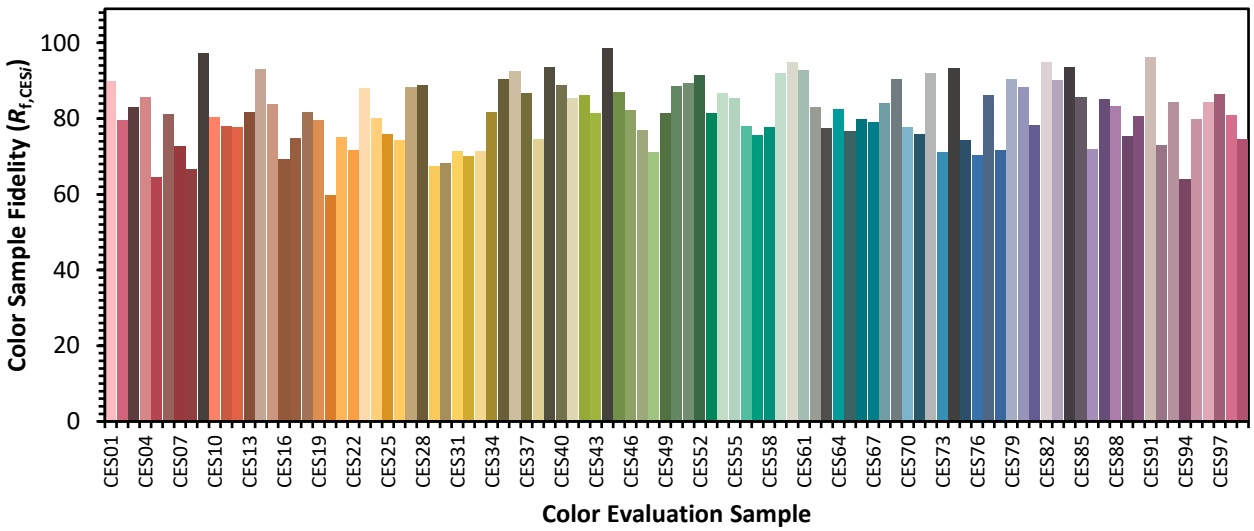
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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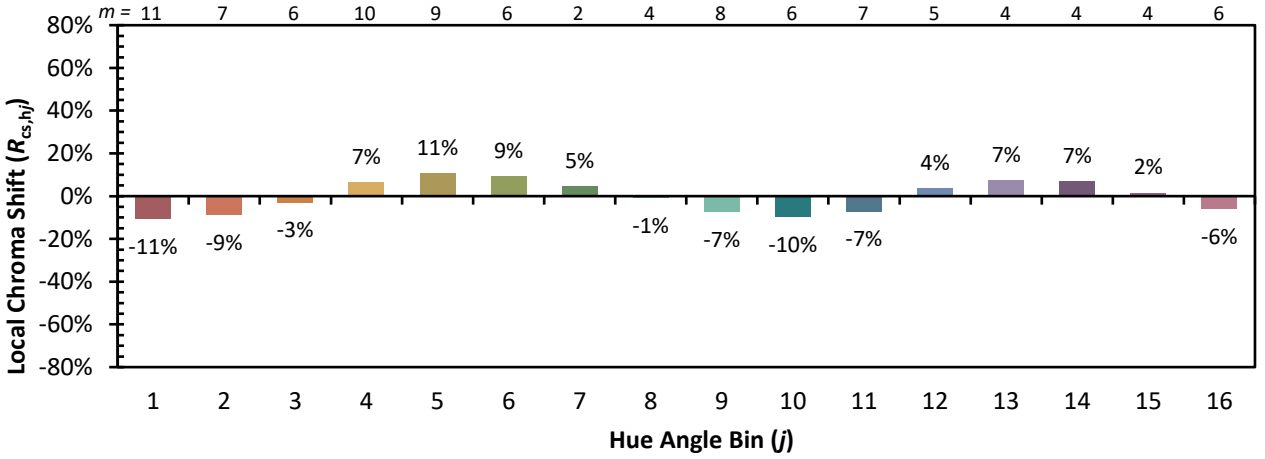
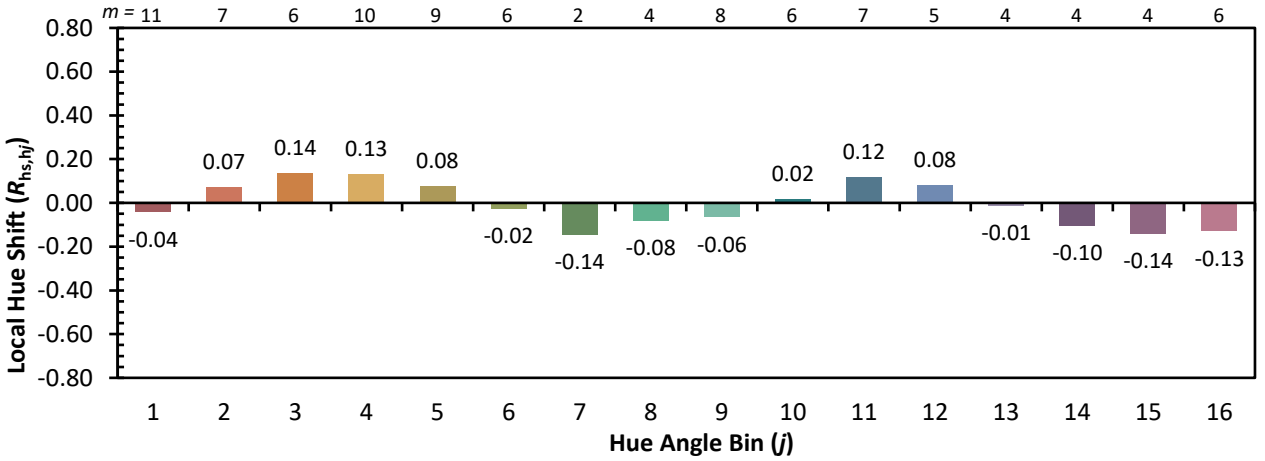
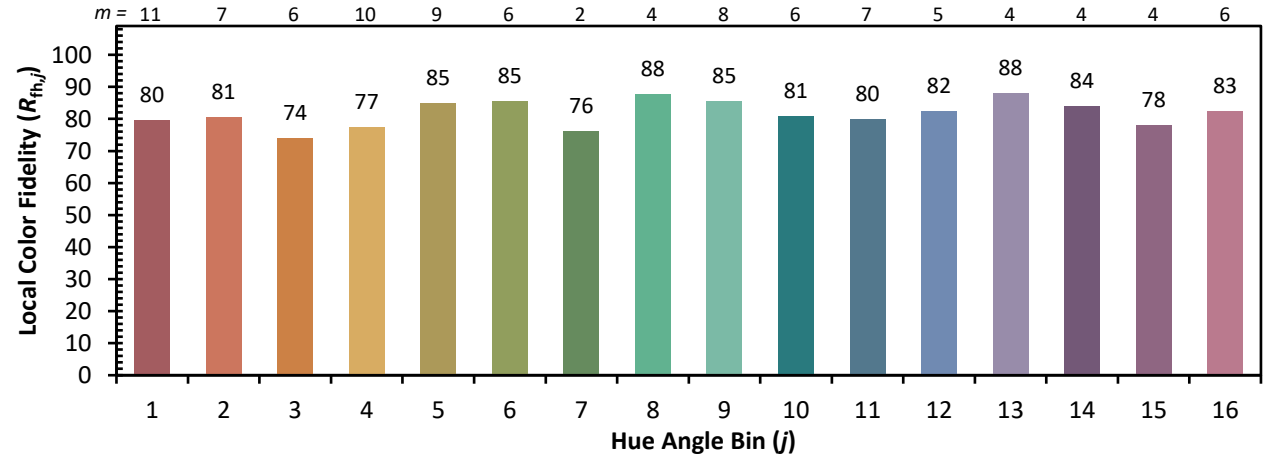
Color Rendition by Hue-Angle Bin







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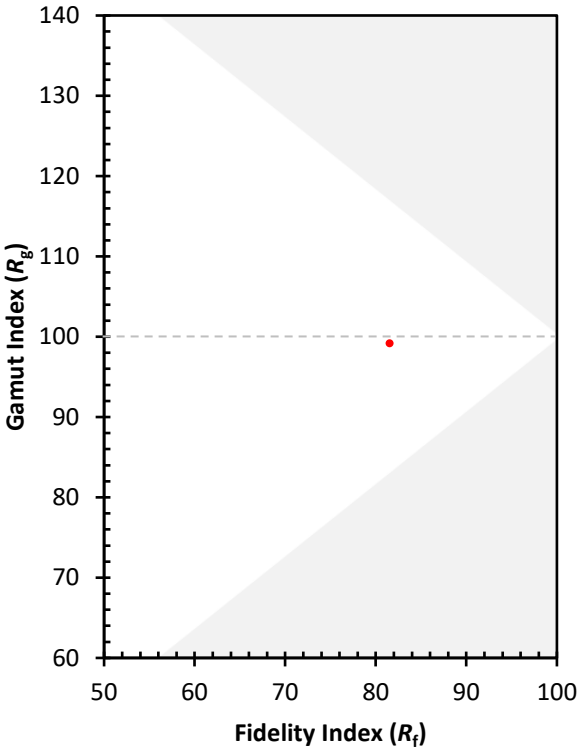
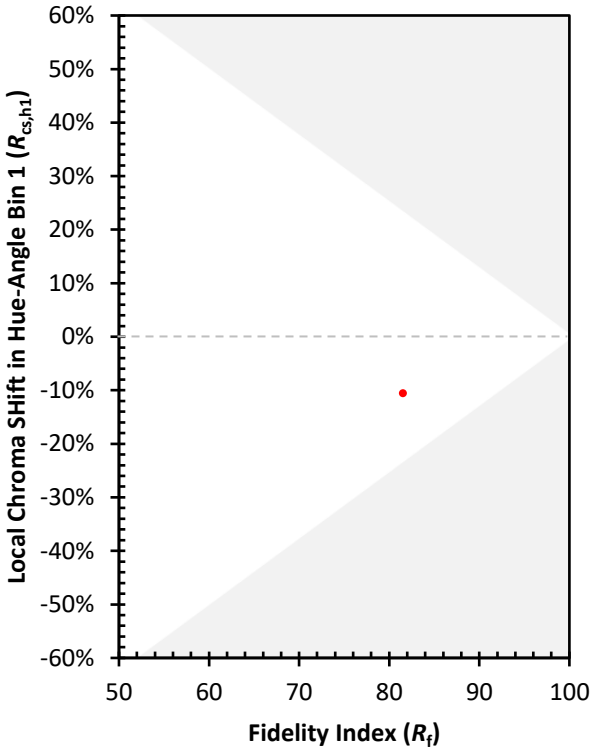
Measure Comparisons





(END OF REPORT)