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: P323702

Luminaire Tested: **GLEON-SA8D-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:	P323702
	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-SA8D-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 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:	42215 lumens
Efficiency:	N/A
Efficacy:	82.6 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	511
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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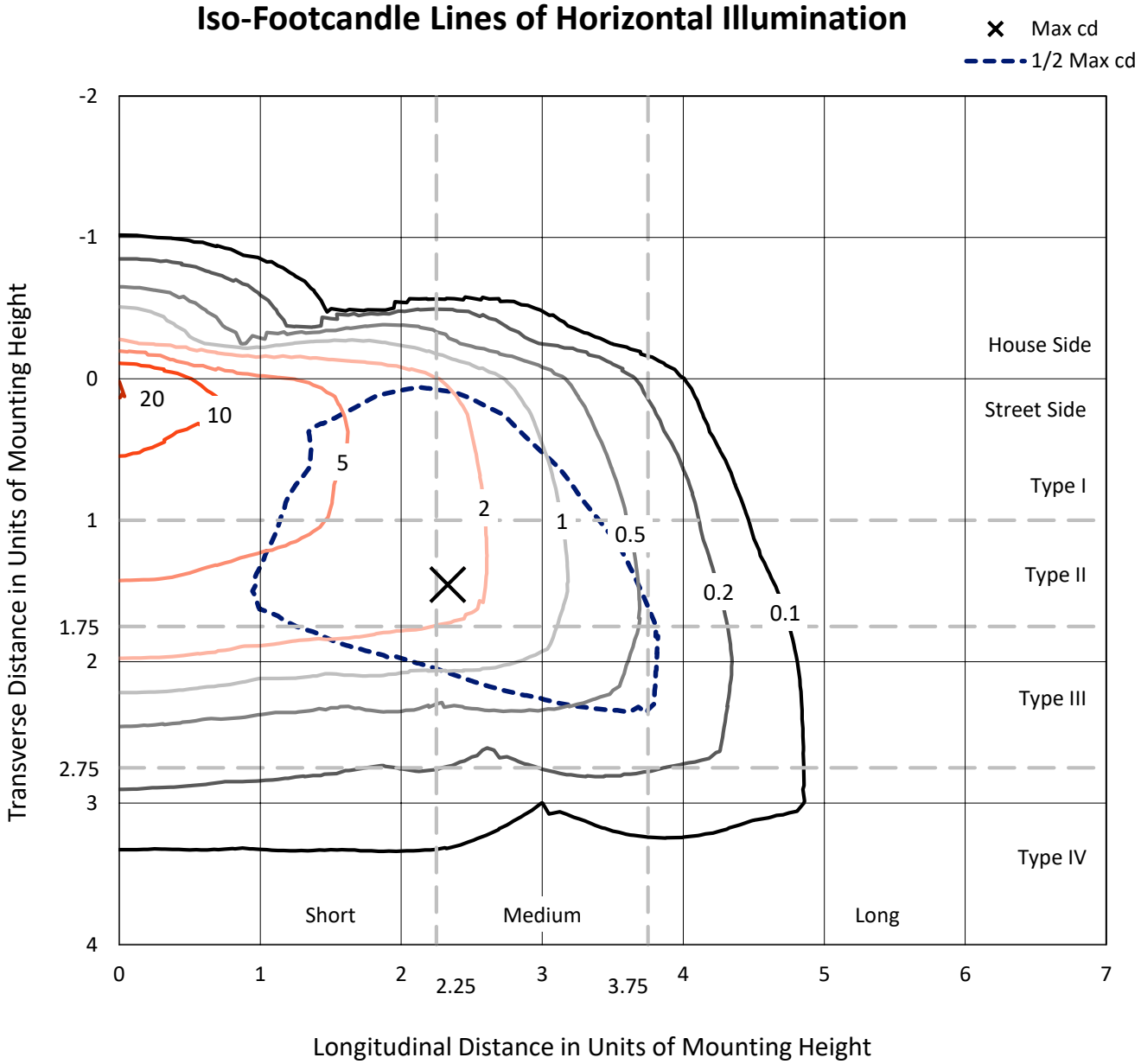
Scaled Data Report

REPORT NUMBER: P323702
CATALOG NUMBER: GLEON-SA8D-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 20.3 fc
Type III - Medium - N/A

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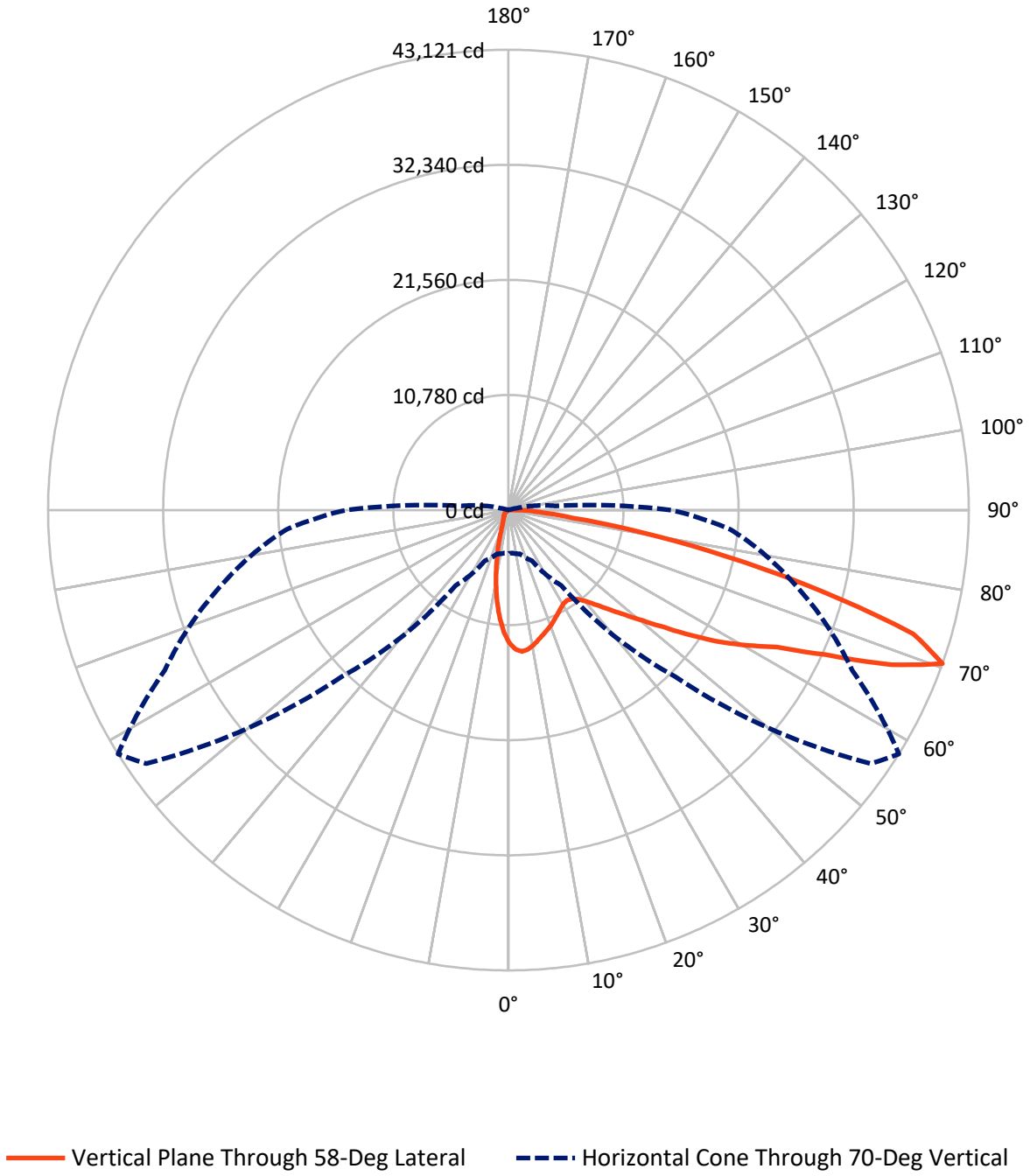
Luminous Intensity Polar Plot



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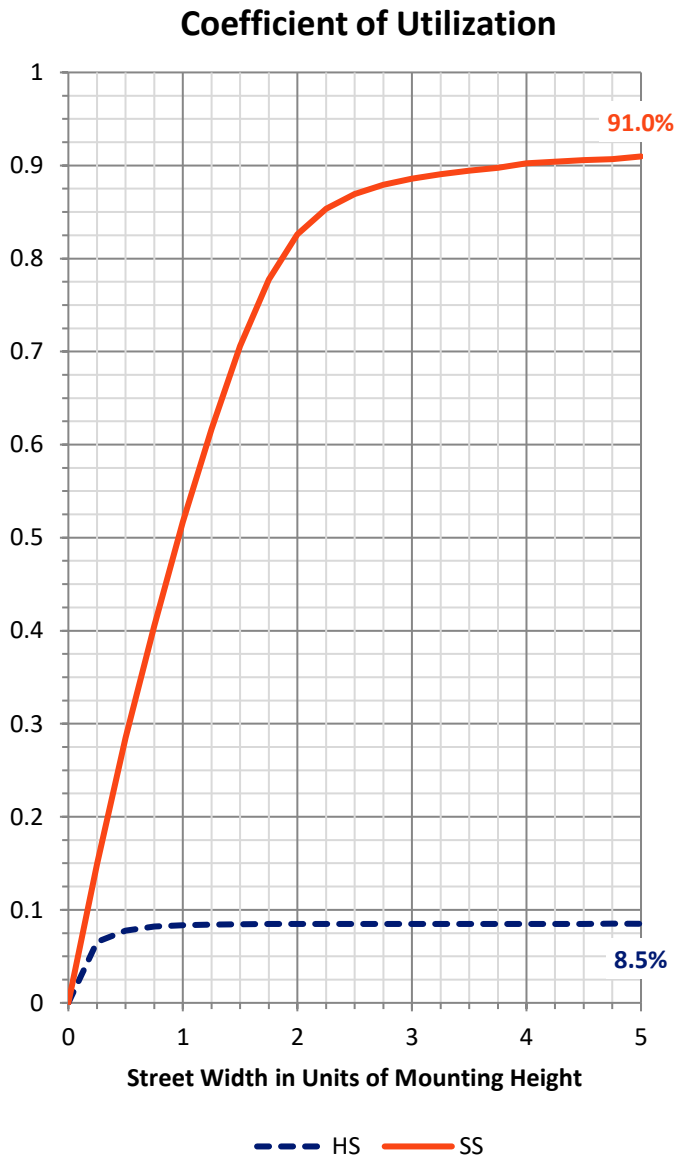
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3612.7	0.0	3612.7
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	38602.3	0.0	38602.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	42215.0	0.0	42215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1019.7	2.4
10°-20°	2140.2	5.1
20°-30°	2813.6	6.7
30°-40°	3726.3	8.8
40°-50°	5569.7	13.2
50°-60°	8922.4	21.1
60°-70°	11246.6	26.6
70°-80°	6066.4	14.4
80°-90°	710.1	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°	42215.0	100.0
0°-180°	42215.0	100.0



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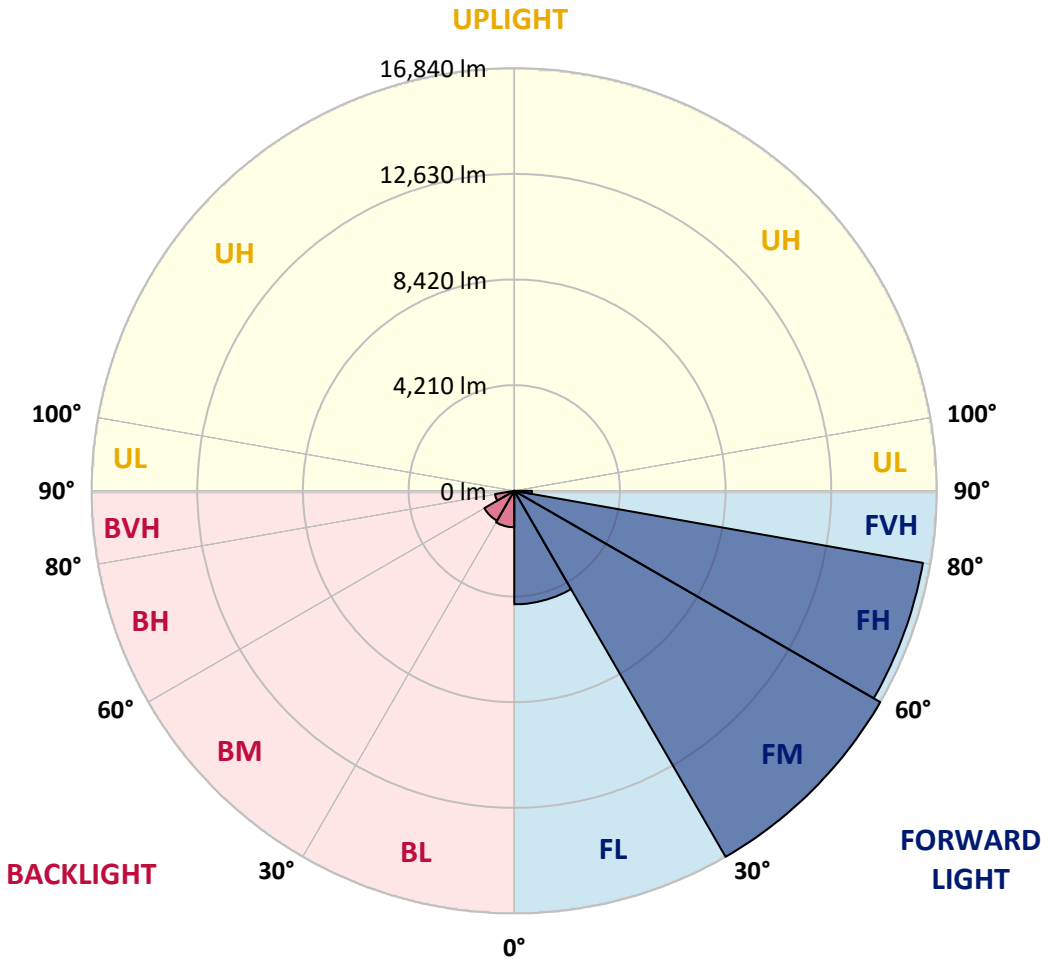
REPORT NUMBER: P323702
CATALOG NUMBER: GLEON-SA8D-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4522.1	10.7			
FM	(30°-60°)	16840.2	39.9			
FH	(60°-80°)	16536.1	39.2			G5
FVH	(80°-90°)	704.0	1.7			G4/750
BL	(0°-30°)	1451.4	3.4	B3/2500		
BM	(30°-60°)	1378.2	3.3	B2/2500		
BH	(60°-80°)	776.9	1.8	B2/1000		G2/1000
BVH	(80°-90°)	6.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type III Medium



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REPORT NUMBER: P323702
CATALOG NUMBER: GLEON-SA8D-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1
2.5°	13504.0	13470.7	13458.4	13437.3	13356.6	13277.6	13121.4	13077.5	12979.2	12745.7	12498.2
5°	13514.6	13512.8	13549.7	13540.9	13512.8	13475.9	13363.6	13305.7	13138.9	12805.4	12352.5
7.5°	12863.3	12896.7	12979.2	13045.9	13123.1	13223.2	13237.2	13181.0	13044.1	12684.3	12083.9
10°	11989.1	12041.8	12157.7	12289.3	12491.2	12691.3	12870.3	12863.3	12815.9	12461.3	11760.9
12.5°	11113.2	11174.7	11308.1	11502.9	11789.0	12115.5	12435.0	12478.9	12557.9	12261.2	11462.5
15°	10346.1	10398.8	10530.4	10769.2	11123.7	11562.6	12031.3	12112.0	12315.6	12105.0	11213.3
17.5°	9694.9	9728.2	9824.8	10089.8	10500.6	11032.5	11641.6	11799.6	12103.2	11982.1	10997.4
20°	9240.2	9245.5	9308.7	9494.8	9905.5	10500.6	11237.8	11464.3	11878.6	11876.8	10774.4
22.5°	9015.6	8998.0	9010.3	9117.4	9419.3	9993.3	10834.1	11102.7	11676.7	11787.3	10548.0
25°	8973.4	8959.4	8924.3	8938.3	9120.9	9549.2	10426.9	10737.6	11499.4	11732.9	10351.4
27.5°	9105.1	9119.1	9059.4	8996.2	9010.3	9261.3	10065.3	10425.1	11355.5	11732.9	10212.7
30°	9370.1	9377.2	9333.3	9250.8	9140.2	9180.6	9814.2	10174.1	11283.5	11813.6	10124.9
32.5°	9663.3	9701.9	9696.6	9629.9	9471.9	9308.7	9754.6	10082.8	11278.2	11992.7	10116.2
35°	10026.6	10070.5	10144.3	10130.2	9965.2	9696.6	9958.2	10216.2	11381.8	12287.6	10211.0
37.5°	10412.8	10479.5	10637.5	10713.0	10605.9	10302.2	10414.6	10598.9	11659.1	12765.0	10451.4
40°	10786.7	10862.2	11150.1	11446.7	11366.0	11053.5	11106.2	11253.6	12152.4	13451.4	10907.8
42.5°	11153.6	11265.9	11689.0	12177.0	12273.5	12024.2	12052.3	12169.9	12884.4	14395.7	11653.9
45°	11592.4	11718.8	12345.5	12947.6	13205.6	13096.8	13216.1	13293.4	13841.1	15643.8	12659.7
47.5°	12236.6	12382.3	13151.2	13837.5	14290.4	14360.6	14601.1	14652.0	15050.5	17097.3	13970.9
50°	13493.5	13533.9	14229.0	14852.1	15505.1	15926.4	16200.3	16238.9	16514.5	18685.9	15608.7
52.5°	15075.1	15101.4	15494.6	15912.4	16654.9	17515.0	18155.7	18210.2	18268.1	20234.1	17225.4
55°	16646.1	16642.6	16902.4	17148.2	17997.8	19247.6	20637.8	20671.2	20255.2	21703.3	18461.2
57.5°	17627.4	17722.2	18117.1	18433.1	19619.7	21222.4	23151.5	23274.4	22342.3	22791.7	19682.9
60°	17314.9	17360.6	18236.5	19405.6	21640.1	24029.2	25695.0	25726.6	23911.6	23878.2	21227.6
62.5°	14752.1	14776.7	16152.9	18563.0	22663.5	27669.8	28763.4	28249.1	25716.1	25386.1	23076.0
65°	10110.9	10270.6	11420.4	14399.3	20783.5	29953.5	33513.4	32662.1	28466.8	27559.2	24747.1
67.5°	5954.2	5920.8	6489.6	8683.8	15264.7	28436.9	39522.0	38676.0	32218.0	29014.4	24257.4
70°	4067.2	4044.4	4262.0	5257.3	8617.1	22059.7	41412.6	43120.5	35530.3	28034.9	20876.6
72.5°	2903.4	2915.7	3236.9	4084.7	5410.0	12852.8	35612.8	39655.4	34492.9	24439.9	15868.5
75°	1971.3	2004.6	2464.5	3351.0	4743.0	6538.7	25272.0	30144.9	28087.6	17762.5	9120.9
77.5°	1060.2	1097.1	1639.5	2699.8	4288.4	4542.9	16256.4	20746.7	17643.2	7985.2	2643.6
80°	442.4	463.4	767.1	1962.5	3705.6	3989.9	9565.0	12580.7	7518.2	1574.6	589.8
82.5°	191.3	201.9	319.5	1170.8	2770.0	3368.5	5064.2	6052.5	2278.5	345.8	296.7
85°	36.9	38.6	131.7	619.6	1767.7	1901.1	3282.5	3217.6	1023.4	149.2	215.9
87.5°	0.0	0.0	31.6	194.8	519.6	1035.7	2002.9	1978.3	347.6	72.0	80.7
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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Scaled Data Report

REPORT NUMBER: P323702
CATALOG NUMBER: GLEON-SA8D-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1	12470.1
2.5°	12371.8	12250.7	11996.2	11682.0	11441.5	11176.4	10965.8	10698.9	10583.1	10588.4	10525.2
5°	12094.5	11845.2	11281.7	10570.8	10023.1	9457.9	8971.7	8487.2	8201.1	8108.0	8020.3
7.5°	11697.8	11302.8	10404.0	9308.7	8381.9	7476.1	6687.9	5994.6	5555.7	5341.6	5262.6
10°	11250.1	10695.4	9394.7	7951.8	6628.3	5403.0	4381.4	3493.2	3138.6	2898.1	2836.7
12.5°	10856.9	10105.6	8408.2	6559.8	4988.7	3510.7	2536.5	1983.6	1743.1	1648.3	1632.5
15°	10486.5	9554.5	7458.5	5299.4	3454.6	2160.9	1613.2	1425.4	1369.2	1353.4	1353.4
17.5°	10137.2	9029.6	6530.0	4058.4	2285.5	1514.9	1335.8	1293.7	1276.2	1274.4	1276.2
20°	9772.1	8504.7	5617.2	2973.6	1595.6	1283.2	1234.0	1211.2	1205.9	1205.9	1205.9
22.5°	9422.8	7979.9	4729.0	2124.0	1279.7	1170.8	1146.3	1130.5	1125.2	1123.4	1119.9
25°	9087.5	7481.4	3861.8	1500.8	1123.4	1072.5	1051.5	1030.4	1014.6	1005.8	1000.6
27.5°	8811.9	7037.3	3054.3	1204.2	1014.6	970.7	944.4	912.8	874.2	856.6	849.6
30°	8592.5	6631.8	2353.9	1016.4	912.8	868.9	828.5	774.1	717.9	688.1	686.3
32.5°	8420.5	6233.3	1787.0	898.7	821.5	767.1	709.2	640.7	575.8	542.4	540.7
35°	8336.2	5882.2	1365.7	812.7	740.8	672.3	600.3	524.9	461.7	430.1	426.6
37.5°	8392.4	5585.6	1065.5	740.8	672.3	593.3	509.1	430.1	373.9	345.8	344.1
40°	8597.8	5396.0	865.4	679.3	614.4	517.8	426.6	352.8	305.4	282.6	280.9
42.5°	9034.9	5325.8	739.0	628.4	558.2	447.6	354.6	291.4	247.5	231.7	228.2
45°	9765.1	5429.3	653.0	579.3	500.3	380.9	293.1	238.7	200.1	187.8	186.1
47.5°	10737.6	5701.4	591.6	531.9	447.6	321.2	244.0	193.1	163.2	151.0	149.2
50°	11990.9	6133.2	540.7	484.5	398.5	272.1	201.9	152.7	126.4	117.6	117.6
52.5°	13354.8	6647.6	495.0	440.6	349.3	226.4	163.2	117.6	100.1	89.5	89.5
55°	14481.8	7096.9	445.9	407.2	289.6	187.8	124.6	89.5	73.7	68.5	68.5
57.5°	15606.9	7576.2	389.7	349.3	231.7	152.7	94.8	66.7	54.4	50.9	50.9
60°	17065.7	8162.4	335.3	284.4	182.6	115.9	70.2	47.4	40.4	38.6	38.6
62.5°	18670.1	8506.5	286.1	228.2	142.2	86.0	50.9	31.6	29.8	29.8	28.1
65°	19651.3	8020.3	240.5	182.6	110.6	64.9	33.4	22.8	26.3	24.6	21.1
67.5°	18399.7	6278.9	196.6	142.2	86.0	49.2	21.1	15.8	28.1	22.8	17.6
70°	*15234.8*	*4395.4*	*152.7*	*100.1*	*68.5*	*42.1*	*14.0*	*10.5*	*29.8*	*22.8*	*14.0*
72.5°	11401.1	2942.0	121.1	66.7	50.9	36.9	12.3	5.3	26.3	19.3	12.3
75°	6229.8	1184.9	96.5	42.1	31.6	26.3	8.8	3.5	17.6	14.0	8.8
77.5°	1639.5	312.5	70.2	28.1	17.6	10.5	5.3	1.8	8.8	7.0	3.5
80°	417.8	121.1	45.6	19.3	12.3	5.3	0.0	0.0	1.8	0.0	0.0
82.5°	222.9	50.9	28.1	14.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	168.5	33.4	15.8	8.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	64.9	10.5	5.3	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

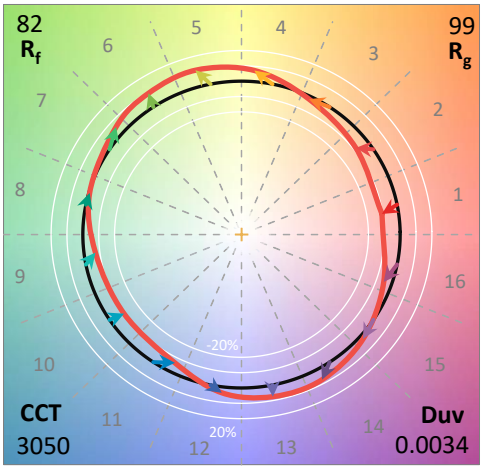
Test Information

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

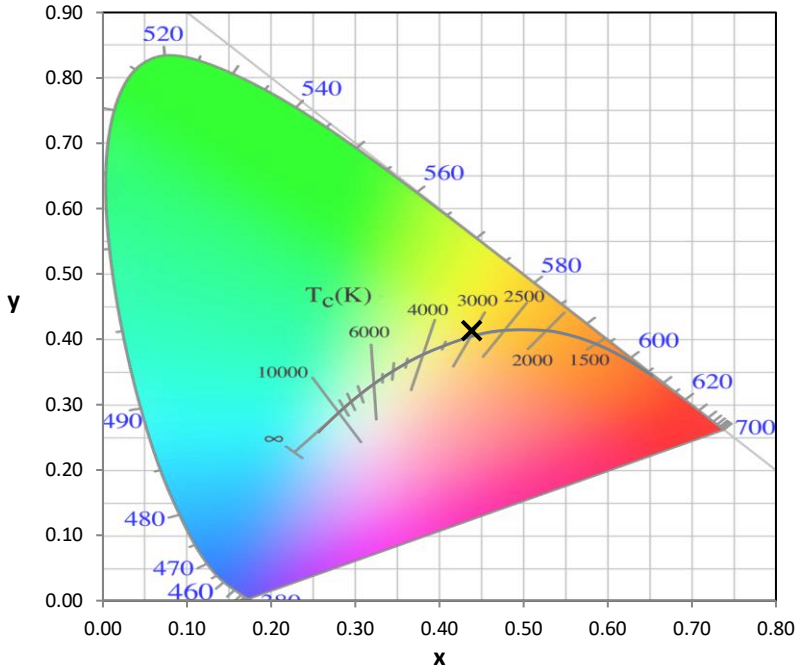
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

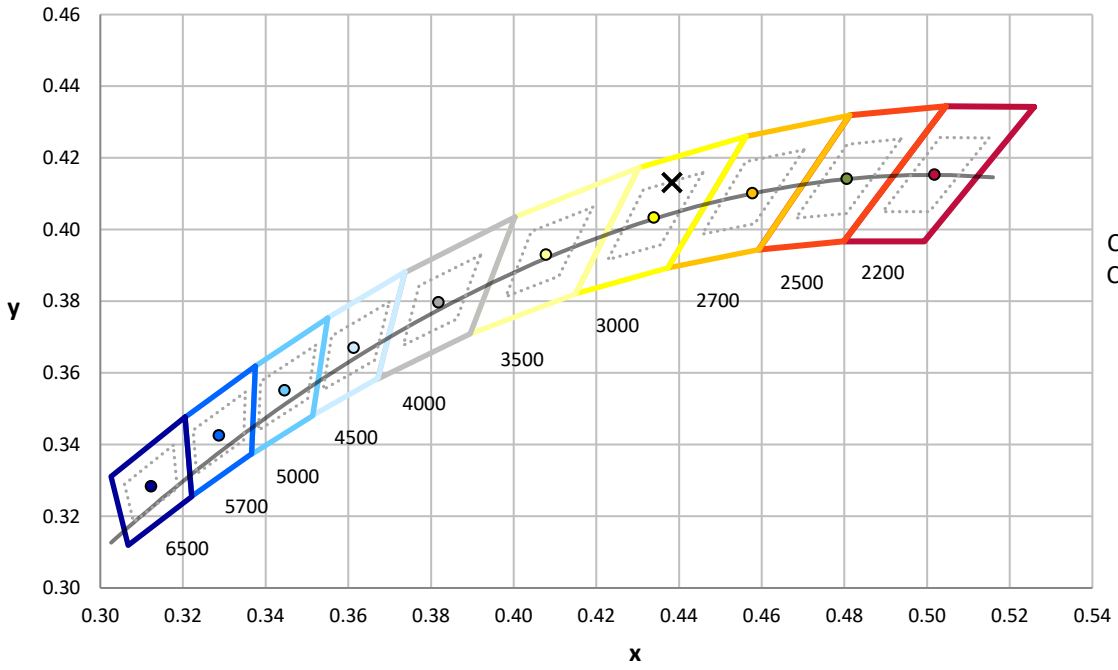
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

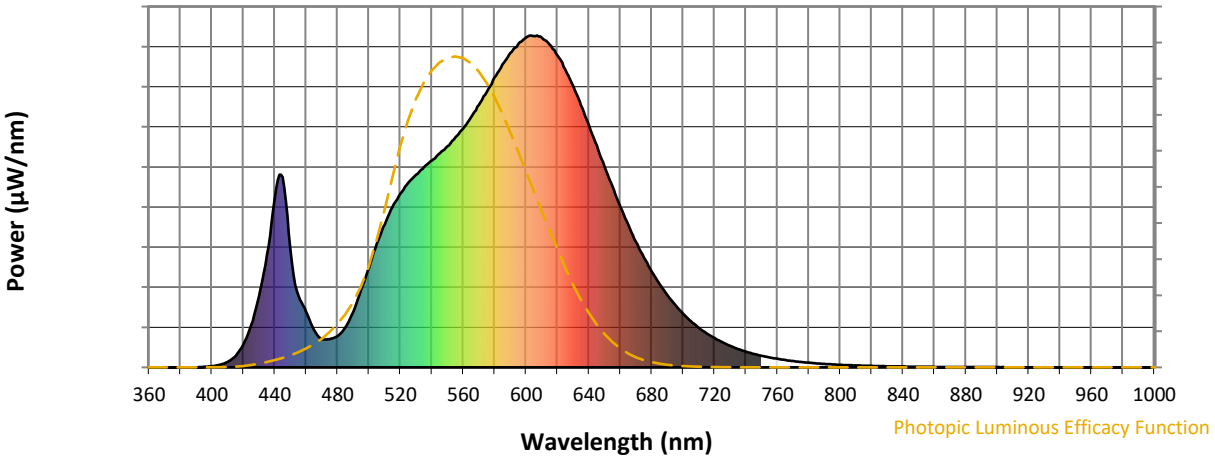


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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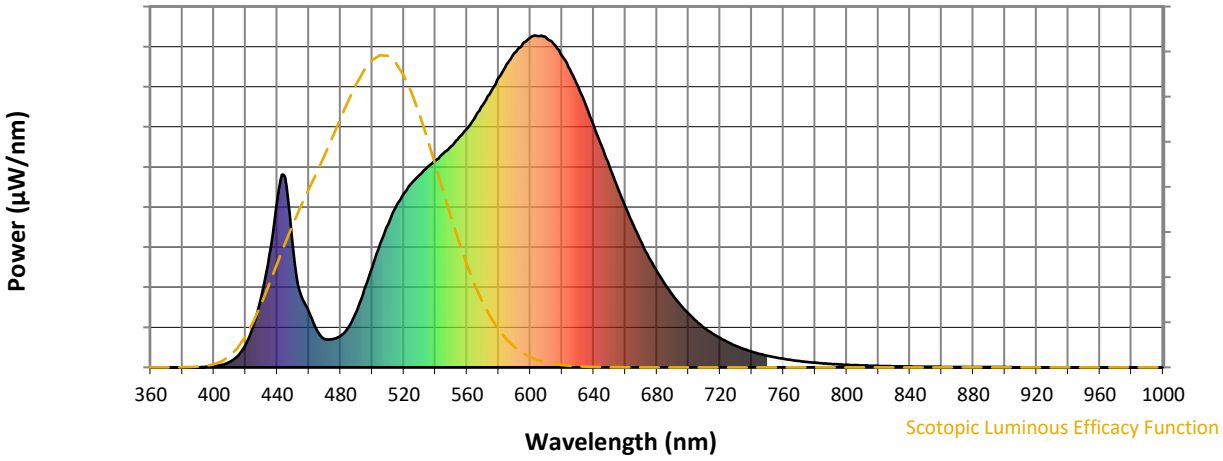
Scotopic Flux vs. Wavelength



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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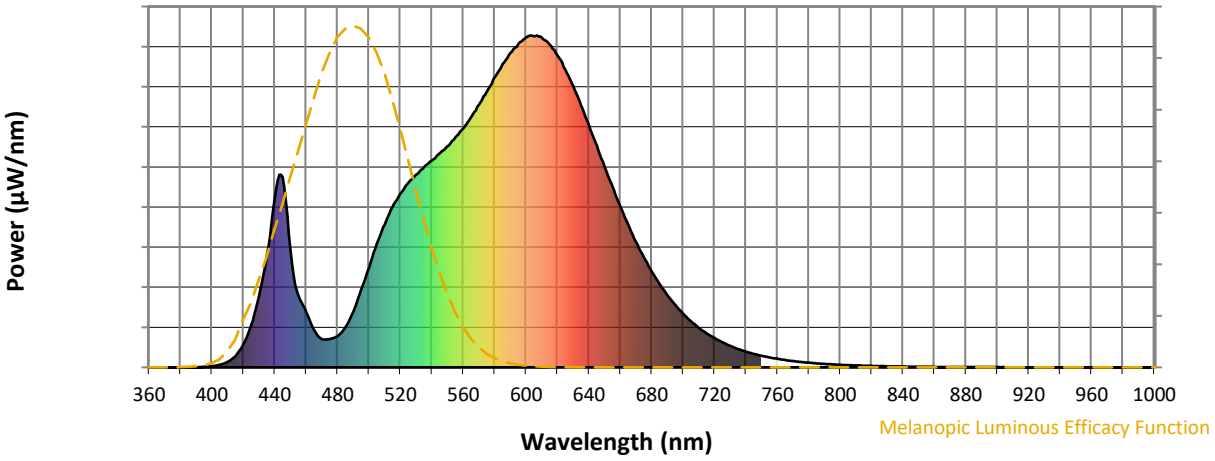
Melanopic Flux vs. Wavelength



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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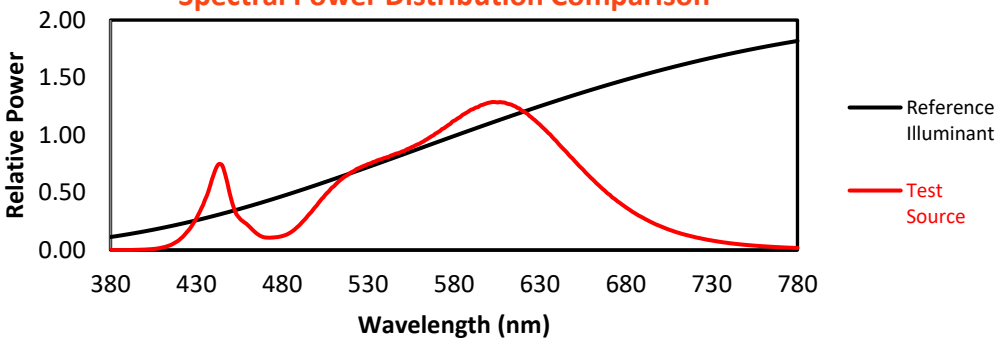
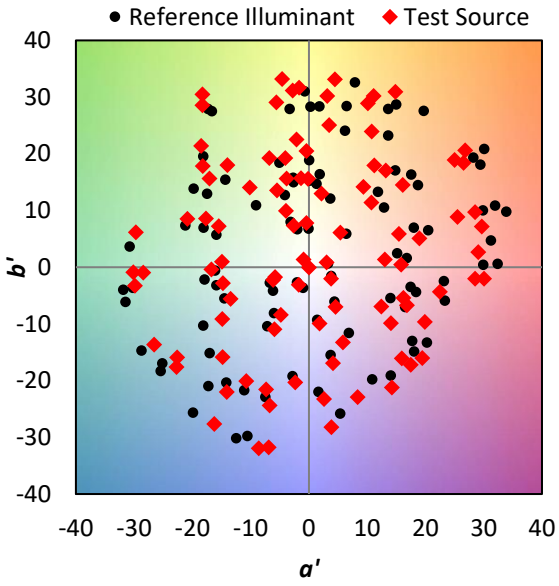
Summary

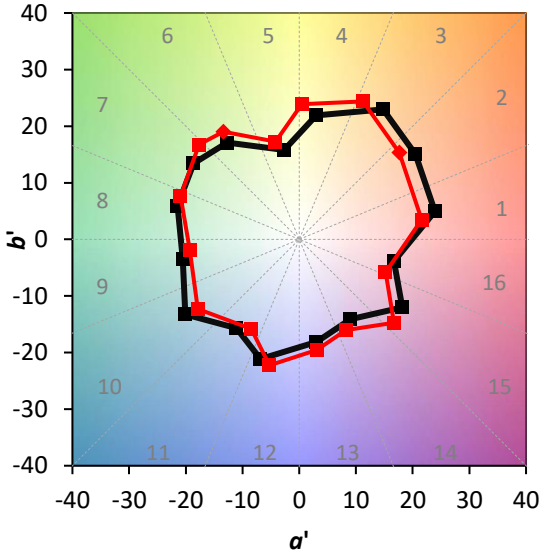
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

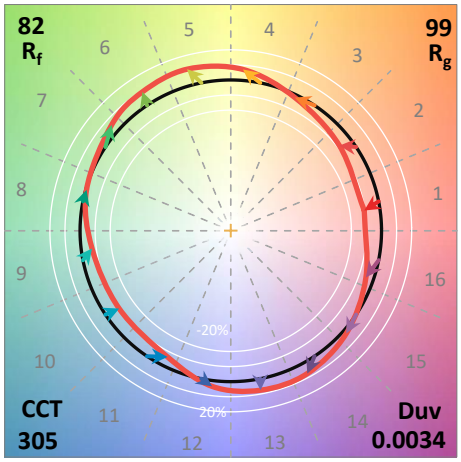
Spectral Power Distribution Comparison

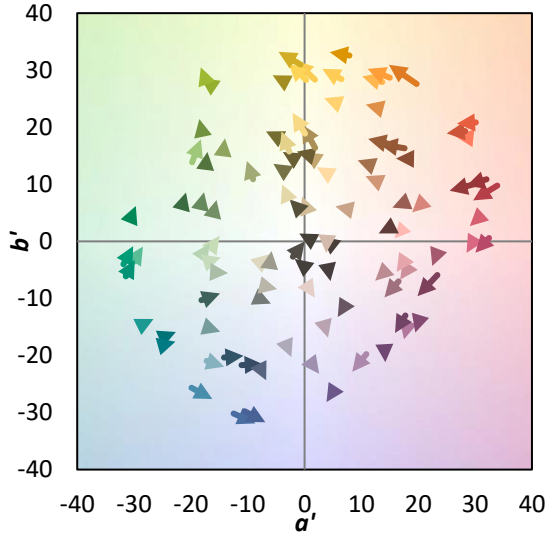


Color Vector Graphics









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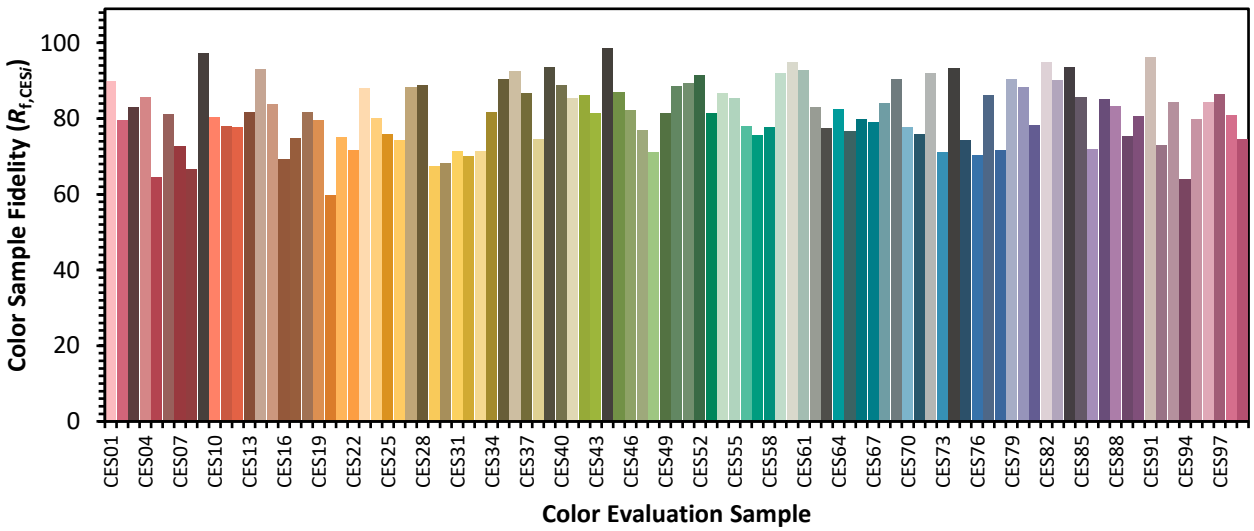
Individual Sample Fidelity Index ($R_{f,i}$)

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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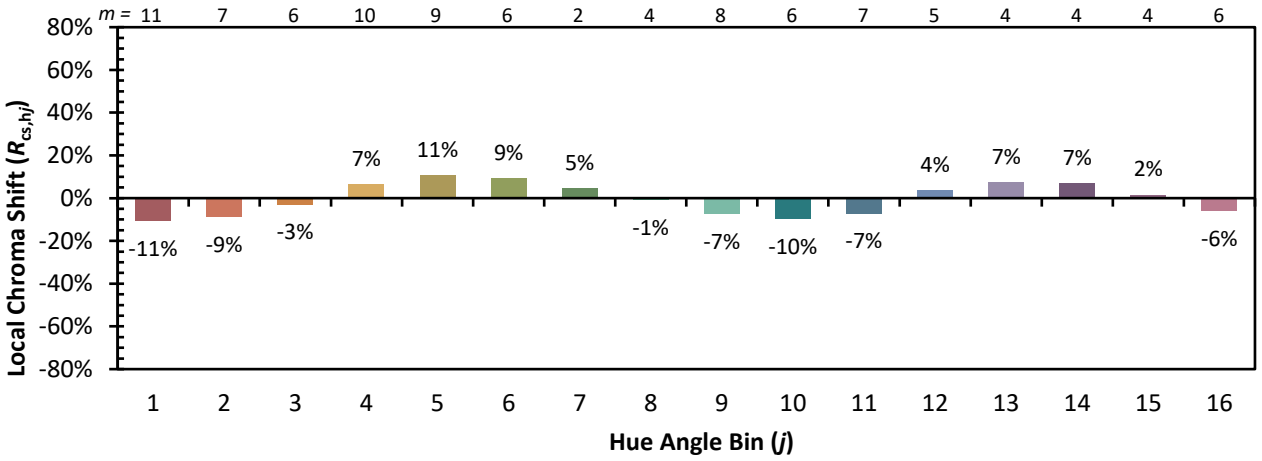
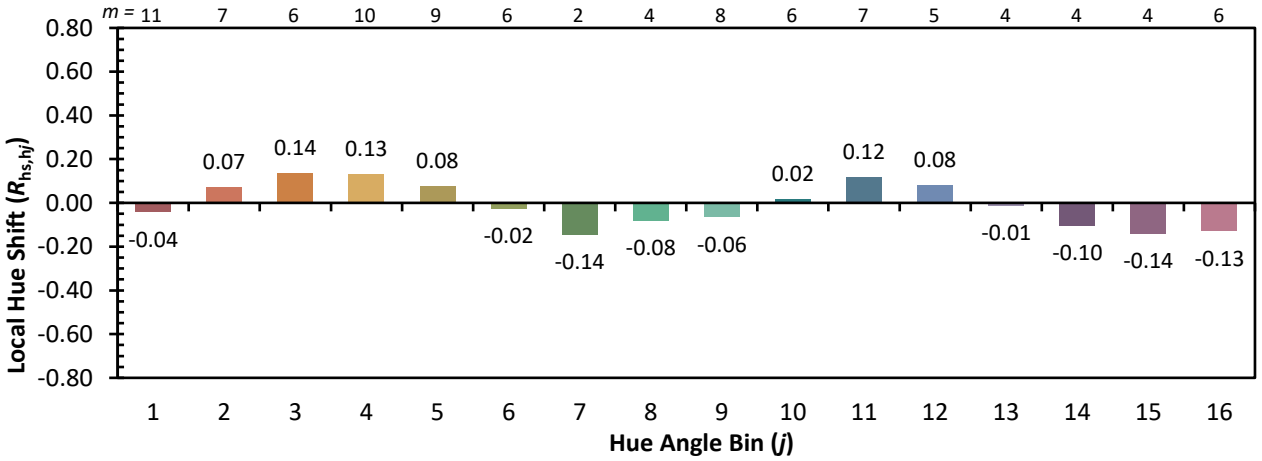
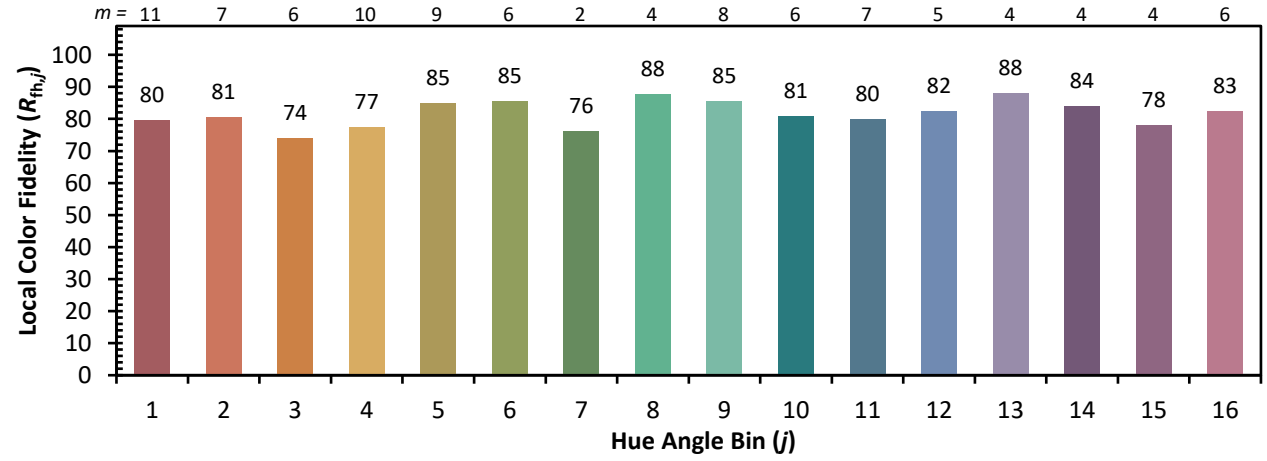
Color Rendition by Hue-Angle Bin







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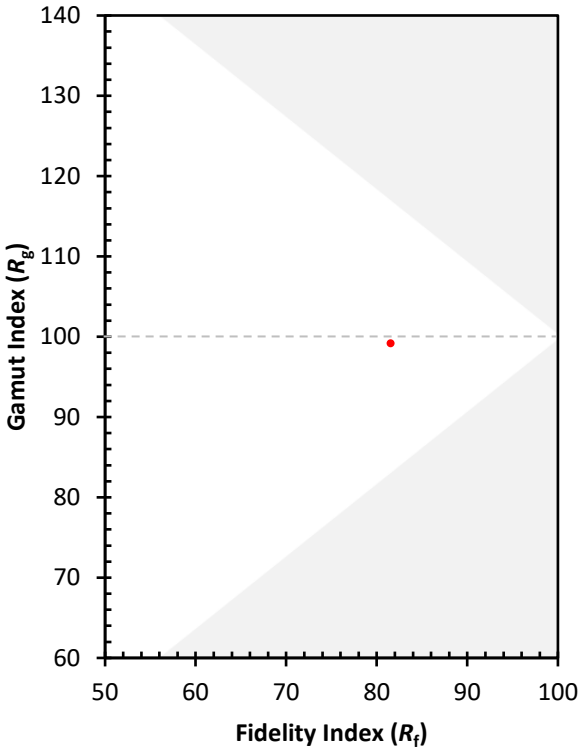
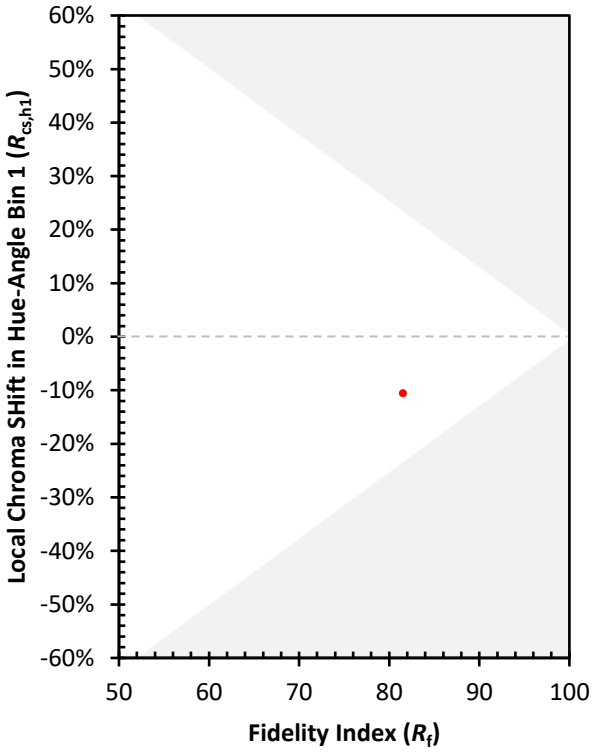
Measure Comparisons





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