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: P324984

Luminaire Tested: **GLEON-SA0D-830-U-AFL-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:	P324984
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA0D-830-U-AFL-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	49958 lumens
Efficiency:	N/A
Efficacy:	78.1 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	640
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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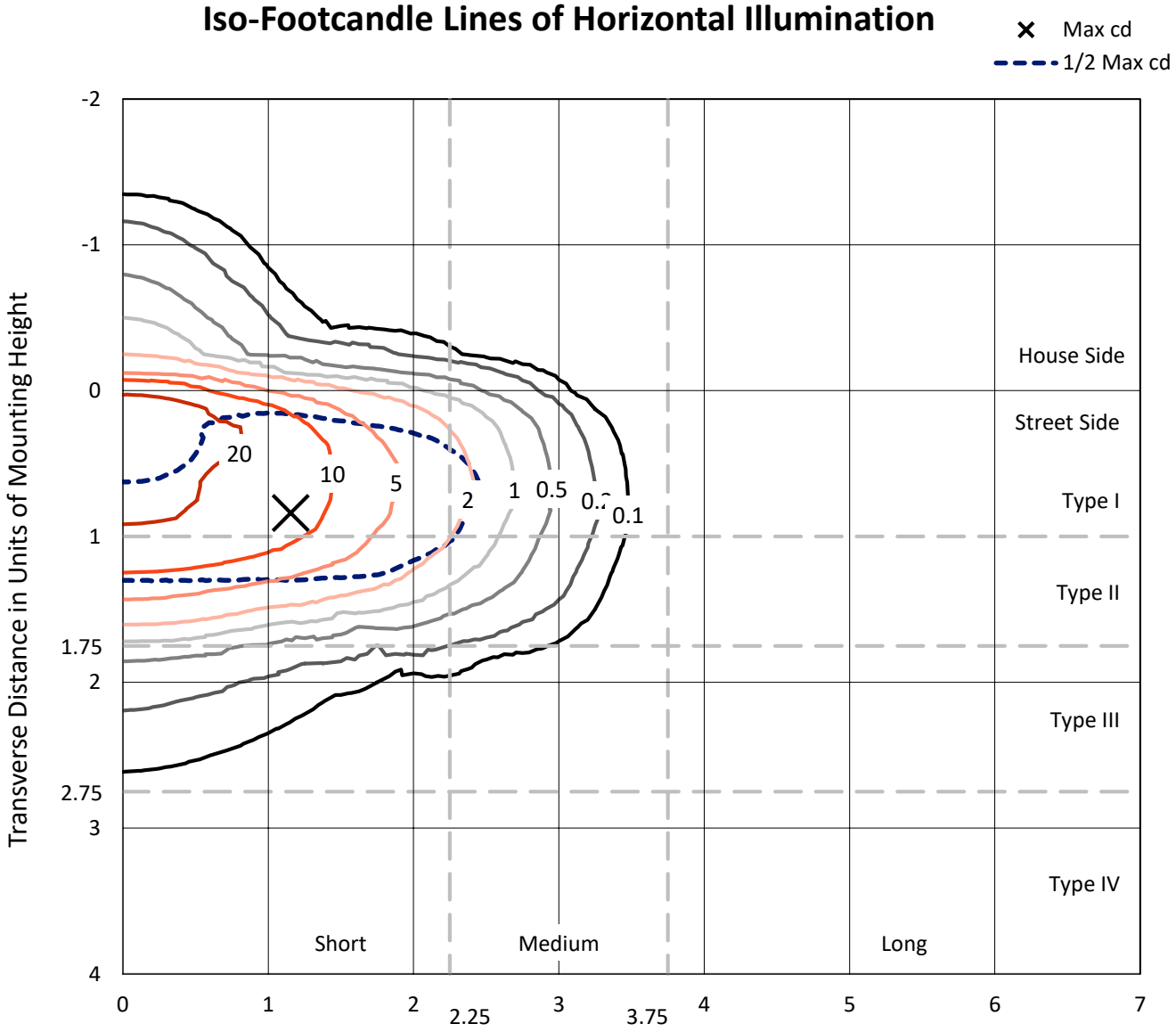
Scaled Data Report

REPORT NUMBER: P324984
CATALOG NUMBER: GLEON-SA0D-830-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 27.5 fc
Type II - Short - N/A

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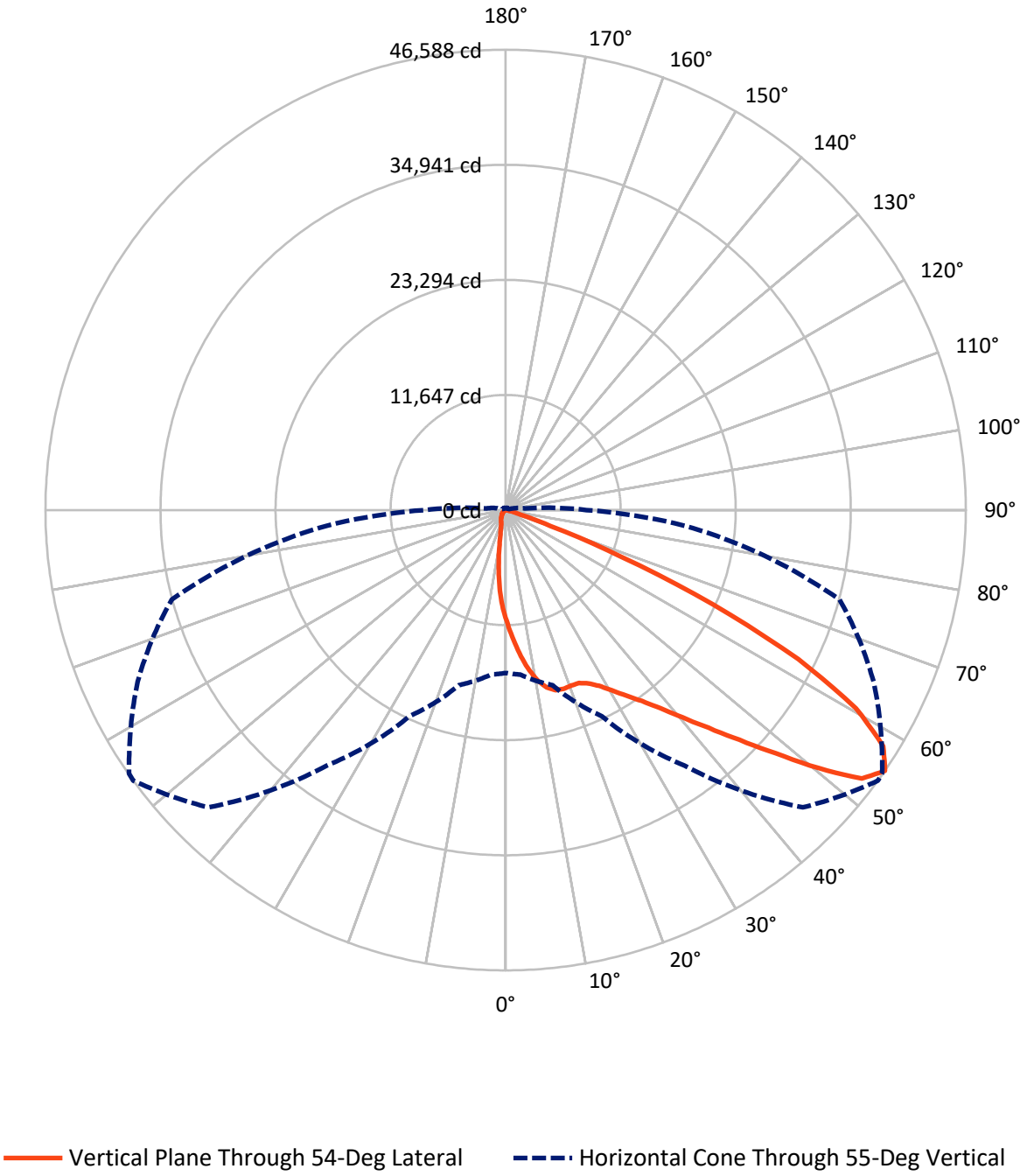
Luminous Intensity Polar Plot



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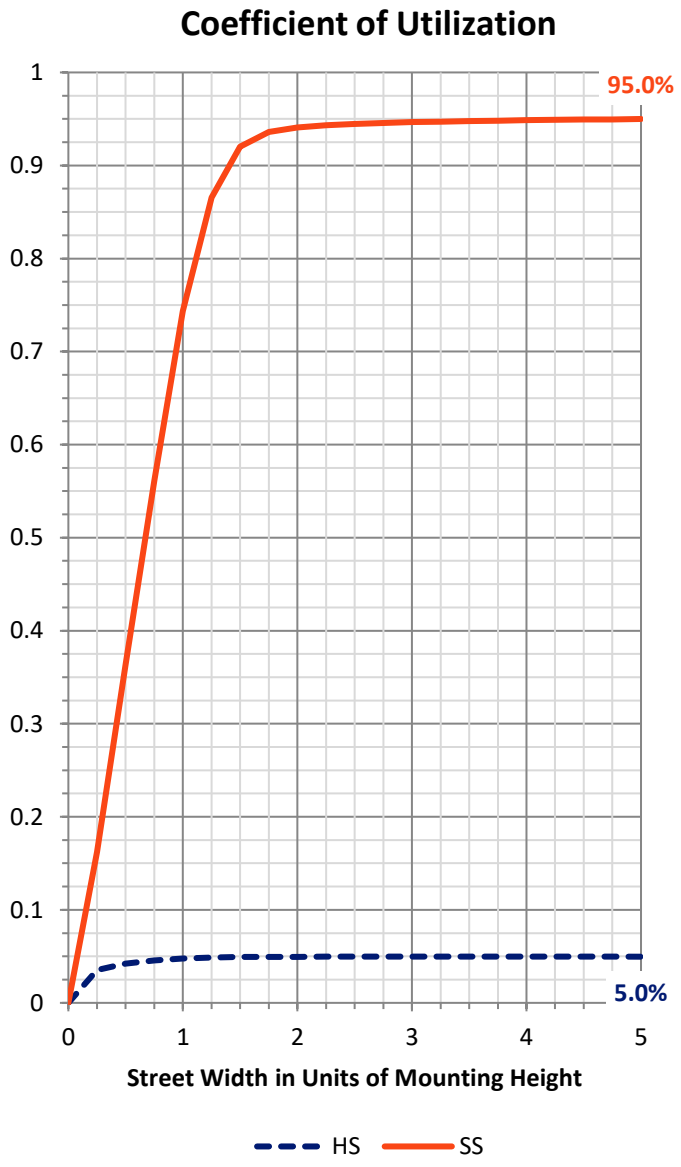
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2492.5	0.0	2492.5
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	47465.5	0.0	47465.5
	% Fixture	95.0	0.0	95.0
Total	Lumens	49958.0	0.0	49958.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1030.3	2.1
10°-20°	2825.8	5.7
20°-30°	4824.5	9.7
30°-40°	7742.5	15.5
40°-50°	12372.5	24.8
50°-60°	13257.5	26.5
60°-70°	6806.8	13.6
70°-80°	1031.1	2.1
80°-90°	67.1	0.1
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°	49958.0	100.0
0°-180°	49958.0	100.0



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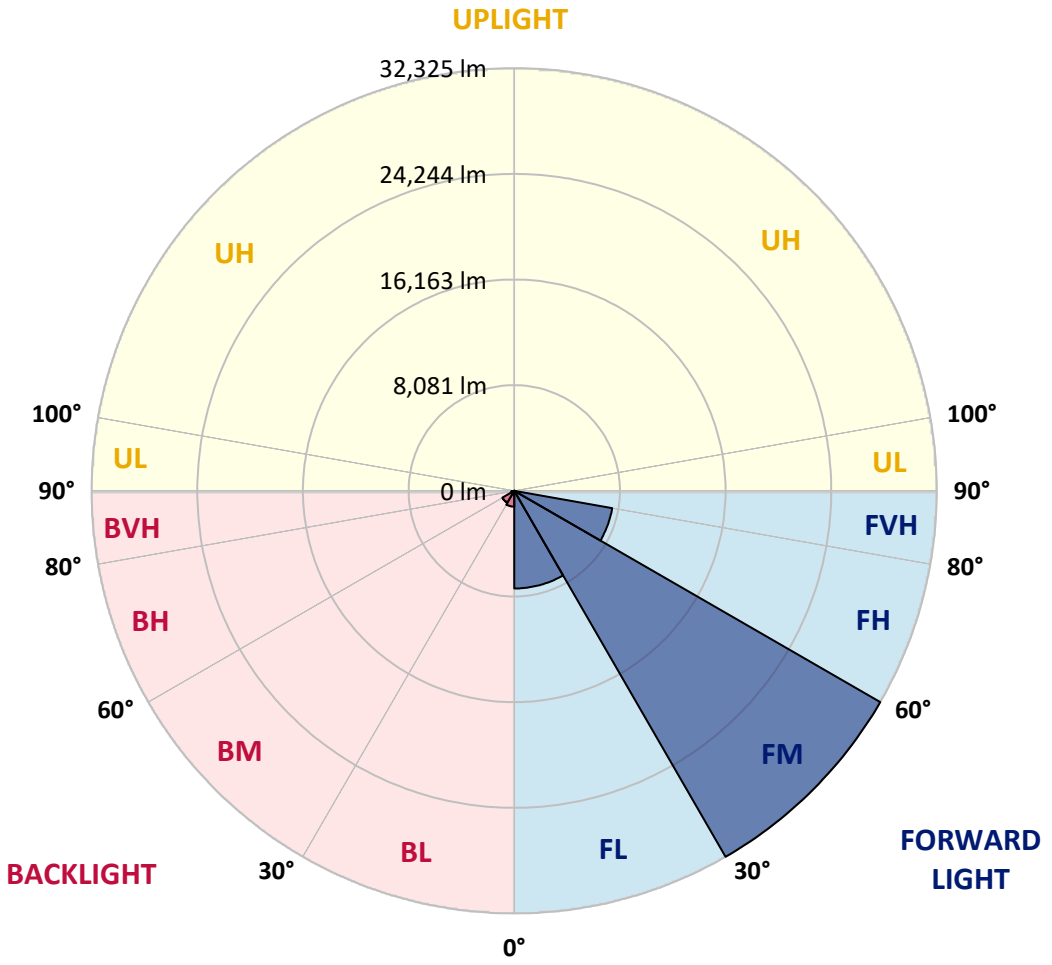
REPORT NUMBER: P324984
CATALOG NUMBER: GLEON-SA0D-830-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	7467.9	14.9			
FM	(30°-60°)	32325.0	64.7			
FH	(60°-80°)	7608.1	15.2			G4/12000
FVH	(80°-90°)	64.4	0.1			G1/100
BL	(0°-30°)	1212.7	2.4	B3/2500		
BM	(30°-60°)	1047.4	2.1	B2/2500		
BH	(60°-80°)	229.7	0.5	B1/500		G1/500
BVH	(80°-90°)	2.7	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-G4
Type II Short



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Scaled Data Report

REPORT NUMBER: P324984
CATALOG NUMBER: GLEON-SA0D-830-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6
2.5°	14040.7	13831.5	13837.9	13743.0	13395.7	13123.8	12841.2	12774.3	12334.2	11872.5	11428.1
5°	16467.9	16314.7	16278.0	16094.7	15611.4	15100.1	14552.1	14424.8	13564.0	12619.0	11689.1
7.5°	17714.9	17717.1	17686.9	17620.0	17317.9	16821.7	16152.9	16019.1	14847.6	13430.2	11961.0
10°	17352.4	17434.4	17602.7	17824.9	18055.8	17993.2	17490.5	17369.7	16096.8	14288.9	12263.0
12.5°	16506.7	16517.5	16705.2	17069.8	17734.3	18416.1	18424.7	18383.7	17289.9	15186.4	12595.3
15°	16086.0	16127.0	16196.1	16431.2	17061.2	18152.9	18933.9	18992.1	18383.7	16140.0	12949.1
17.5°	16362.2	16420.4	16362.2	16390.2	16754.8	17736.5	19022.3	19171.2	19339.5	17082.8	13283.5
20°	17110.8	17164.8	17061.2	16946.8	17018.0	17615.7	18959.8	19160.4	20088.1	17919.9	13564.0
22.5°	18120.5	18142.1	17984.6	17796.9	17745.1	18025.6	19011.5	19218.7	20687.9	18677.1	13740.9
25°	19231.6	19251.0	19054.7	18838.9	18716.0	18830.3	19436.6	19591.9	21216.5	19399.9	13842.3
27.5°	20441.9	20459.2	20213.2	19947.9	19805.5	19809.8	20137.7	20303.9	21779.6	20224.0	13924.2
30°	21721.3	21712.7	21486.1	21117.2	20936.0	20931.7	21147.4	21315.7	22595.1	21281.2	14036.4
32.5°	23158.2	23140.9	22819.5	22362.1	22157.1	22187.3	22379.3	22476.4	23606.9	22407.4	14237.1
35°	25050.3	25000.6	24515.2	23947.8	23570.2	23559.5	23721.3	23798.9	24897.1	23770.9	14571.5
37.5°	27505.5	27460.1	26802.1	25978.0	25447.2	25248.8	25440.8	25540.0	26737.4	25520.6	15108.7
40°	29926.1	29880.8	29490.3	28735.2	27917.5	27440.7	27591.8	27697.5	29035.1	27643.5	15786.1
42.5°	31596.0	31634.8	31770.8	31833.3	31067.4	30066.4	30135.4	30245.4	31449.3	29913.2	16560.7
45°	32036.1	32120.3	32888.3	34396.4	34683.3	33902.3	33179.6	33240.0	33902.3	32182.8	17335.2
47.5°	30713.6	30868.9	32351.1	35155.8	37585.1	38137.4	36769.6	36689.8	36256.1	34018.8	17885.3
50°	27708.3	27850.6	29770.8	33919.6	38465.4	42180.5	41071.6	40836.4	38320.8	35117.0	18079.5
52.5°	23358.8	23531.4	25091.3	30027.5	36806.3	43984.1	45144.8	44948.5	39835.3	35203.3	18111.9
55°	16495.9	16705.2	18355.7	23013.6	31548.5	42549.4	46588.2	46529.9	41093.1	34974.6	18180.9
57.5°	9270.6	9421.6	11201.5	14752.7	23106.4	37060.8	45080.1	45466.3	41852.6	34577.6	18284.5
60°	4116.4	4157.4	5078.7	7344.0	13527.3	28323.1	40763.0	41414.6	41201.0	34046.9	18459.2
62.5°	2282.6	2248.1	2248.1	3052.8	5879.1	17533.7	33240.0	34316.6	38420.0	33419.1	18467.9
65°	1788.5	1756.2	1663.4	1676.3	2239.4	7782.0	23017.9	24931.6	33138.6	31578.7	17846.5
67.5°	1516.7	1488.6	1395.9	1359.2	1391.6	2567.4	12647.0	14634.1	25145.2	26795.7	15458.2
70°	1281.5	1262.1	1214.6	1169.3	1087.4	1268.6	4839.2	6189.8	15494.9	17824.9	10552.1
72.5°	1031.3	1022.6	1039.9	1001.1	901.8	845.7	1654.8	2004.3	6960.0	7954.6	4347.3
75°	888.9	884.6	893.2	854.4	742.2	589.0	841.4	919.1	1963.3	1946.0	880.2
77.5°	578.2	584.7	740.0	722.7	638.6	392.7	435.8	470.3	595.5	446.6	267.5
80°	368.9	364.6	375.4	599.8	573.9	299.9	217.9	228.7	286.9	220.1	129.4
82.5°	224.4	220.1	246.0	280.5	289.1	209.3	133.8	135.9	179.1	142.4	69.0
85°	19.4	25.9	148.9	138.1	99.2	64.7	64.7	69.0	94.9	84.1	38.8
87.5°	0.0	0.0	25.9	38.8	21.6	23.7	23.7	25.9	36.7	36.7	19.4
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: P324984
CATALOG NUMBER: GLEON-SA0D-830-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6	11188.6
2.5°	11197.2	10972.8	10519.8	10084.0	9715.0	9359.1	8953.5	8552.2	8364.5	8289.0	8211.3
5°	11216.6	10754.9	9820.8	8880.1	7904.9	7026.8	6278.2	5510.2	5126.1	4957.8	4880.2
7.5°	11242.5	10539.2	9029.0	7449.7	5879.1	4688.2	3648.3	2979.5	2690.4	2645.0	2532.9
10°	11246.8	10278.1	8109.9	5870.4	3941.7	2826.3	2174.7	1829.5	1702.2	1680.7	1644.0
12.5°	11255.5	9969.6	7089.4	4347.3	2627.8	1889.9	1572.8	1458.4	1423.9	1421.8	1421.8
15°	11281.4	9646.0	6030.1	3132.6	1887.8	1497.3	1380.8	1335.5	1322.5	1329.0	1326.8
17.5°	11281.4	9264.1	4990.2	2334.4	1525.3	1346.3	1281.5	1251.3	1247.0	1253.5	1255.6
20°	11199.4	8800.3	4036.6	1816.6	1352.7	1249.2	1190.9	1162.9	1152.1	1156.4	1158.6
22.5°	11003.0	8230.7	3259.9	1503.7	1238.4	1160.7	1098.1	1055.0	1037.7	1039.9	1039.9
25°	10696.7	7555.4	2550.1	1300.9	1145.6	1065.8	992.4	942.8	932.0	929.9	934.2
27.5°	10304.0	6808.9	2030.2	1145.6	1035.6	960.1	886.7	845.7	837.1	839.3	841.4
30°	9917.8	6034.4	1600.8	1014.0	912.6	841.4	785.3	765.9	765.9	772.4	774.5
32.5°	9564.0	5290.1	1266.4	899.7	802.6	737.9	705.5	703.3	714.1	718.4	720.6
35°	9259.8	4601.9	1048.5	811.2	716.3	660.2	649.4	658.0	671.0	679.6	681.8
37.5°	9044.1	3987.0	916.9	737.9	649.4	604.1	601.9	619.2	636.5	655.9	660.2
40°	8953.5	3467.0	826.3	673.1	595.5	560.9	554.5	578.2	610.6	638.6	642.9
42.5°	8877.9	3042.0	748.6	610.6	552.3	502.7	500.5	530.7	569.6	597.6	604.1
45°	8813.2	2701.1	677.4	543.7	496.2	431.5	438.0	476.8	507.0	537.2	543.7
47.5°	8679.5	2420.7	599.8	472.5	409.9	368.9	381.9	416.4	440.1	485.4	491.9
50°	8440.0	2192.0	519.9	386.2	334.4	319.3	338.7	362.5	392.7	431.5	435.8
52.5°	8278.2	2019.4	450.9	323.6	276.2	280.5	299.9	308.5	325.8	340.9	336.6
55°	*8185.4*	*1924.5*	*394.8*	*280.5*	*235.2*	*248.1*	*252.4*	*241.6*	*233.0*	*217.9*	*211.4*
57.5°	8174.6	1838.2	351.7	243.8	207.1	213.6	198.5	161.8	131.6	114.3	110.0
60°	8157.4	1732.4	317.1	205.0	183.4	174.8	142.4	88.5	62.6	58.3	58.3
62.5°	7969.7	1568.5	291.3	172.6	155.3	131.6	82.0	41.0	34.5	36.7	36.7
65°	7372.0	1339.8	265.4	140.2	123.0	94.9	41.0	23.7	12.9	15.1	15.1
67.5°	6267.4	1067.9	237.3	107.9	92.8	60.4	23.7	10.8	0.0	0.0	0.0
70°	4196.3	662.3	200.6	75.5	60.4	36.7	17.3	2.2	0.0	0.0	0.0
72.5°	1609.5	358.1	161.8	45.3	38.8	25.9	10.8	0.0	0.0	0.0	0.0
75°	362.5	235.2	112.2	32.4	28.0	17.3	4.3	0.0	0.0	0.0	0.0
77.5°	138.1	170.4	64.7	21.6	19.4	10.8	0.0	0.0	0.0	0.0	0.0
80°	66.9	101.4	30.2	12.9	10.8	4.3	0.0	0.0	0.0	0.0	0.0
82.5°	34.5	38.8	12.9	6.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.4	19.4	6.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.8	6.5	2.2	2.2	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

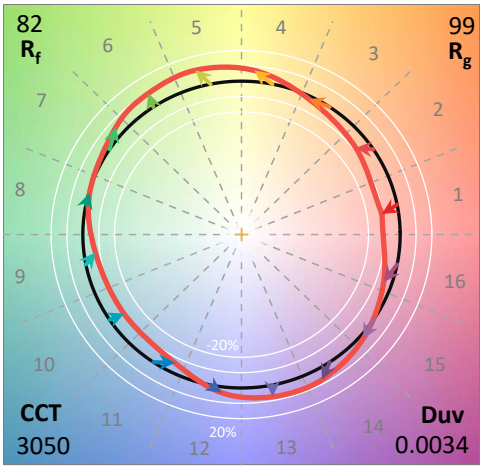
Test Information

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

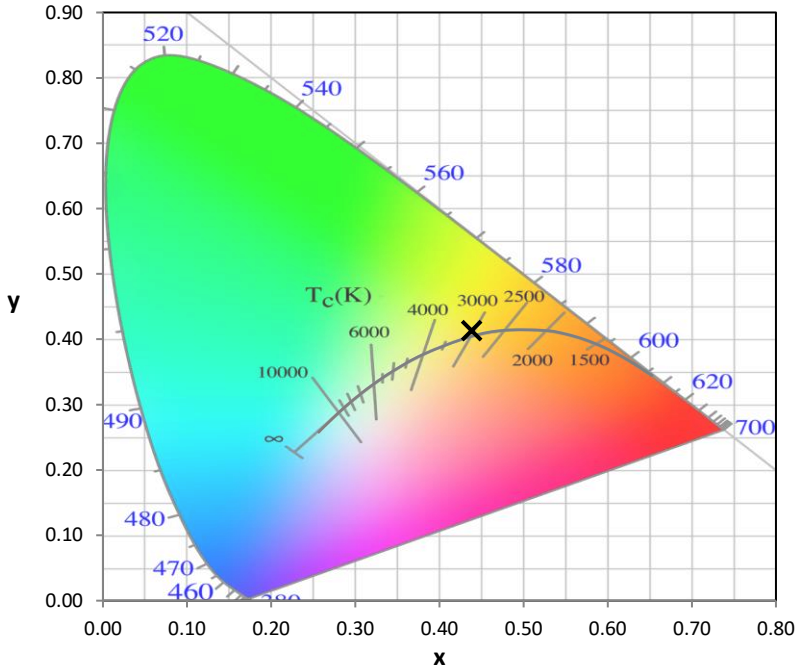
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

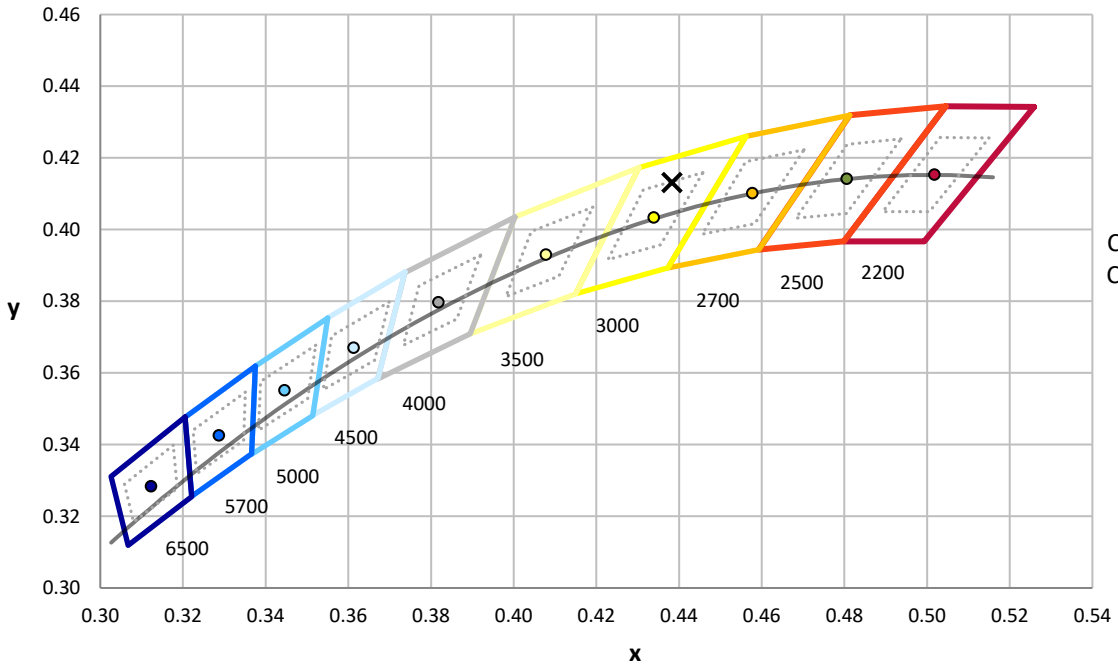
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

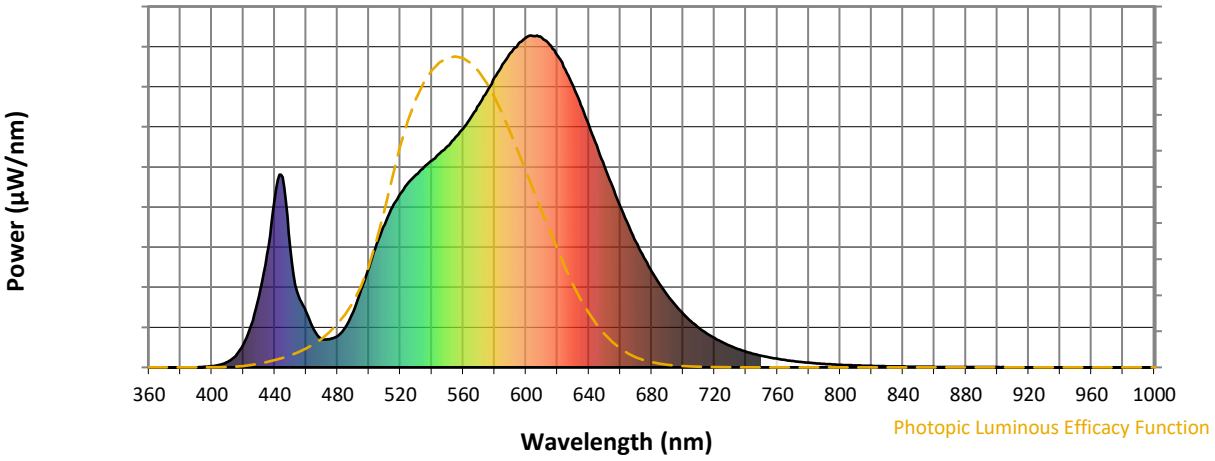


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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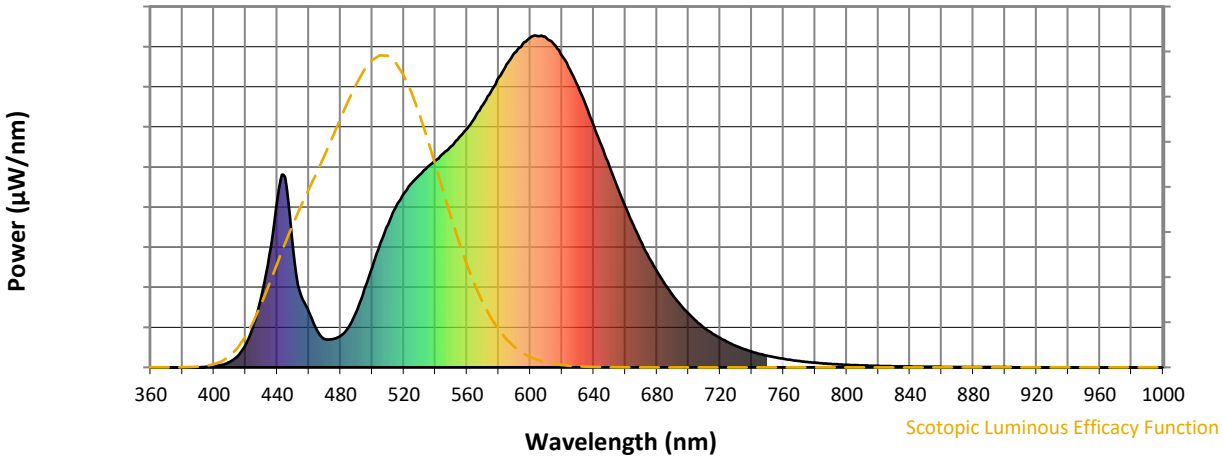
Scotopic Flux vs. Wavelength



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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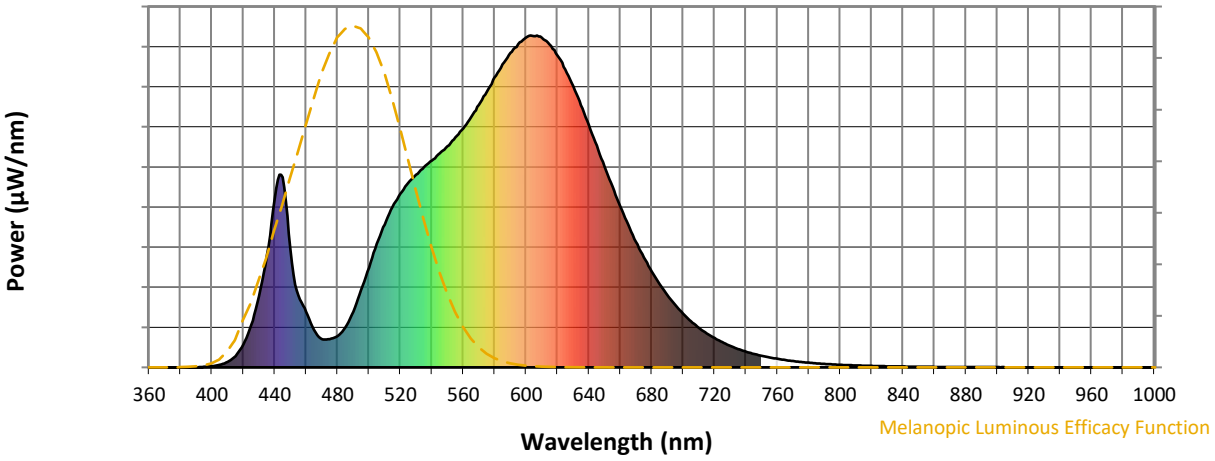
Melanopic Flux vs. Wavelength



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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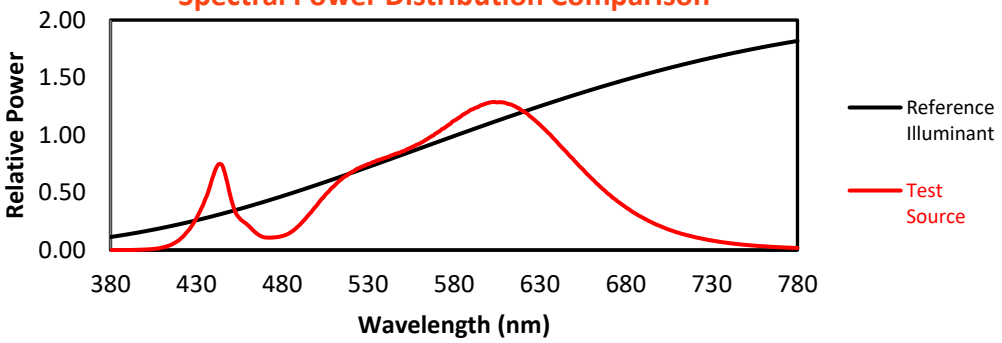
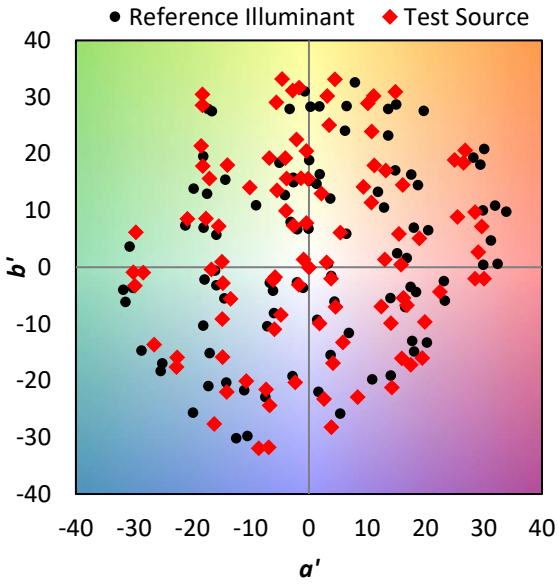
Summary

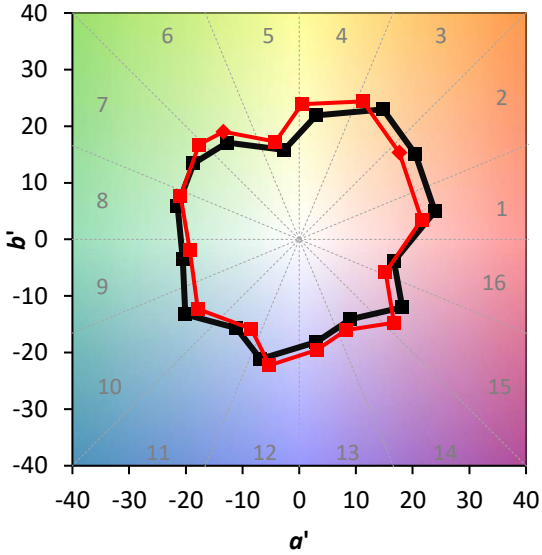
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

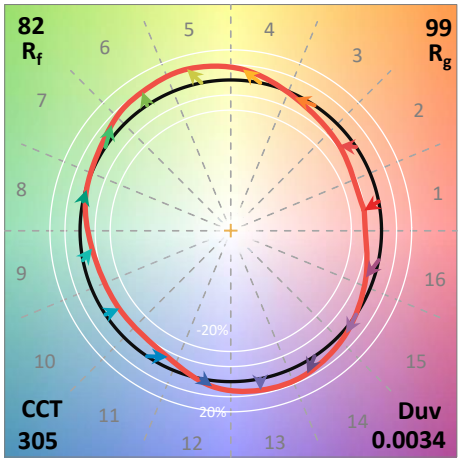
Spectral Power Distribution Comparison

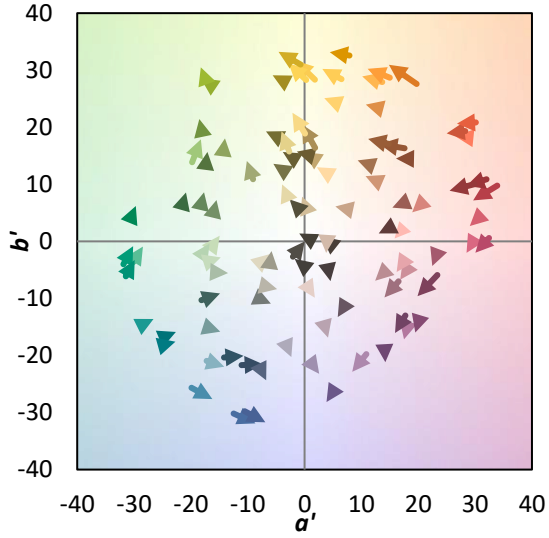


Color Vector Graphics









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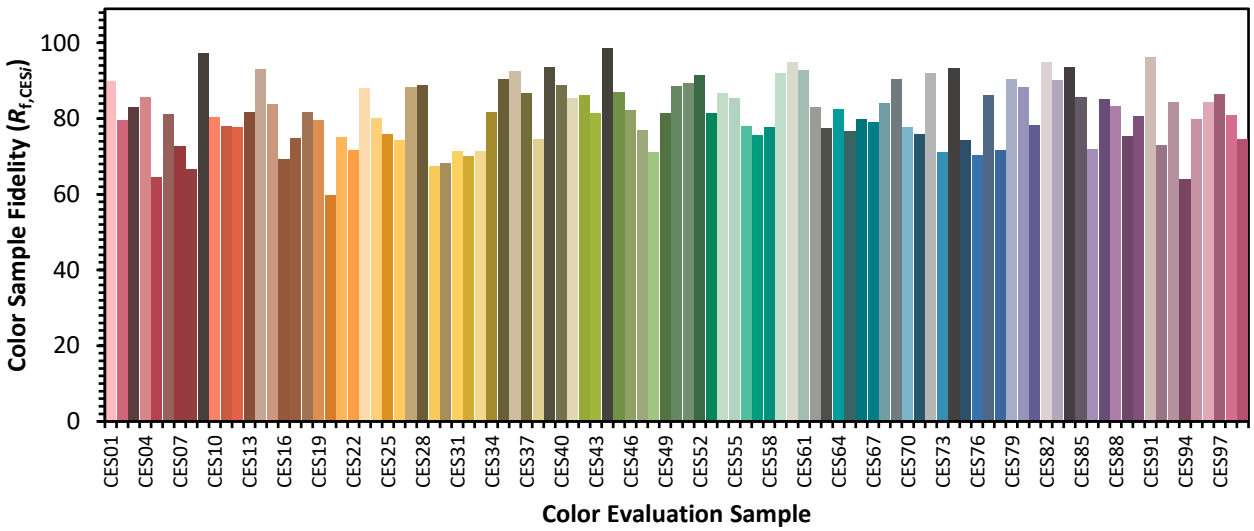
Individual Sample Fidelity Index ($R_{f,i}$)

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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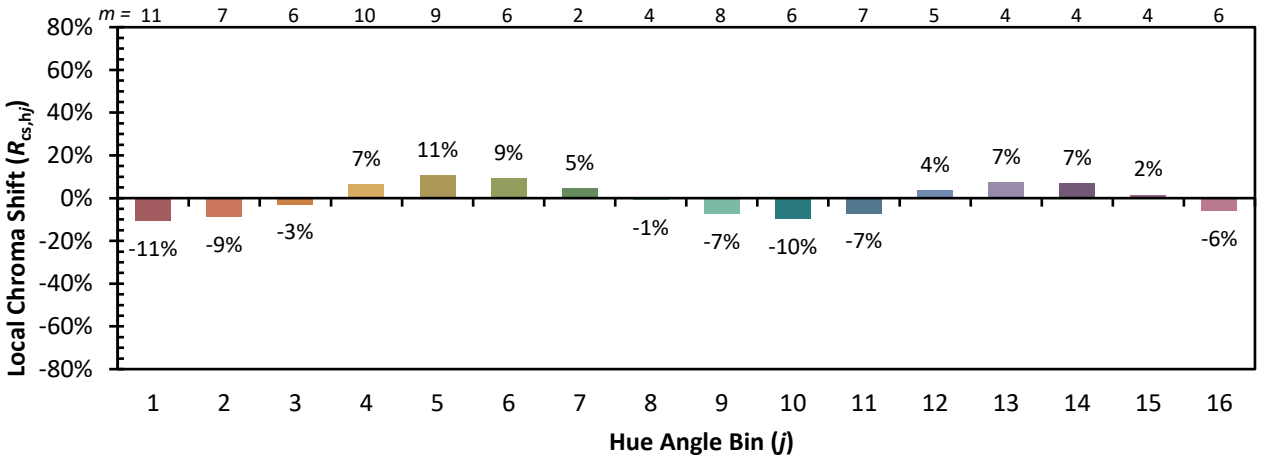
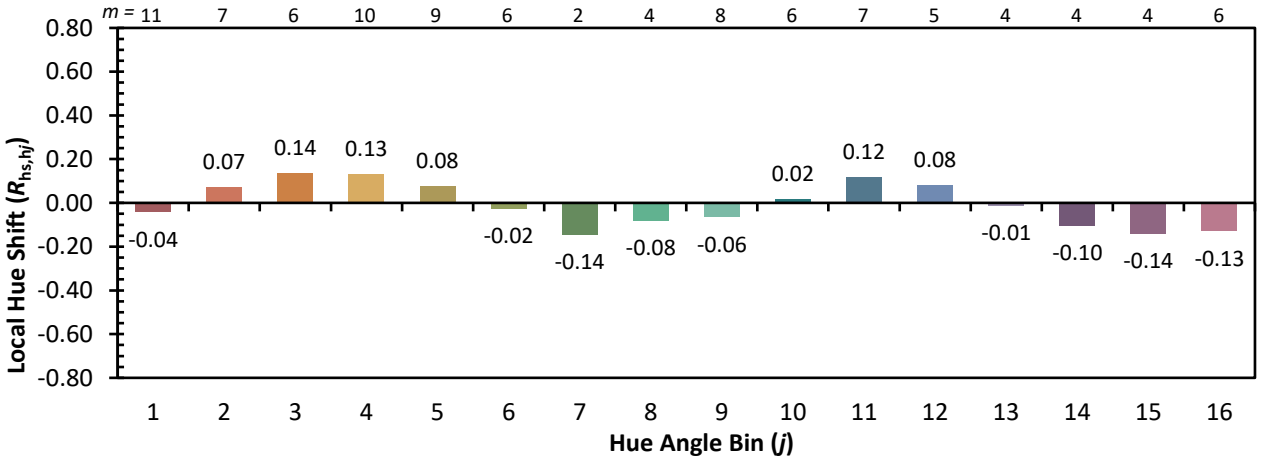
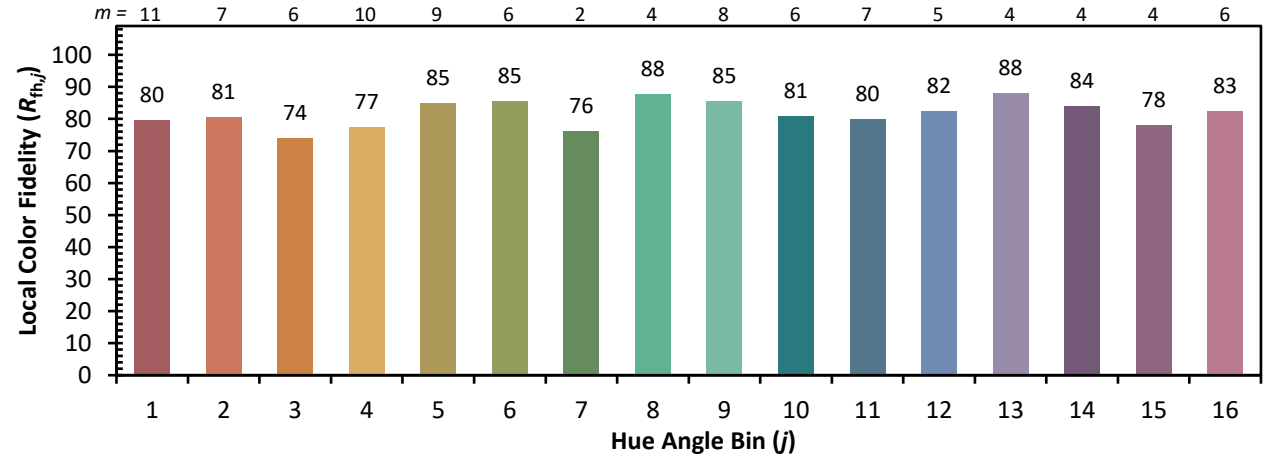
Color Rendition by Hue-Angle Bin







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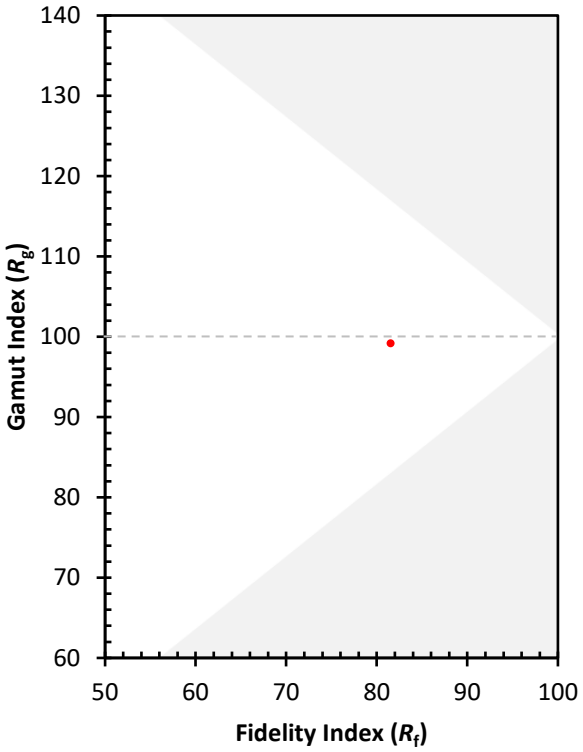
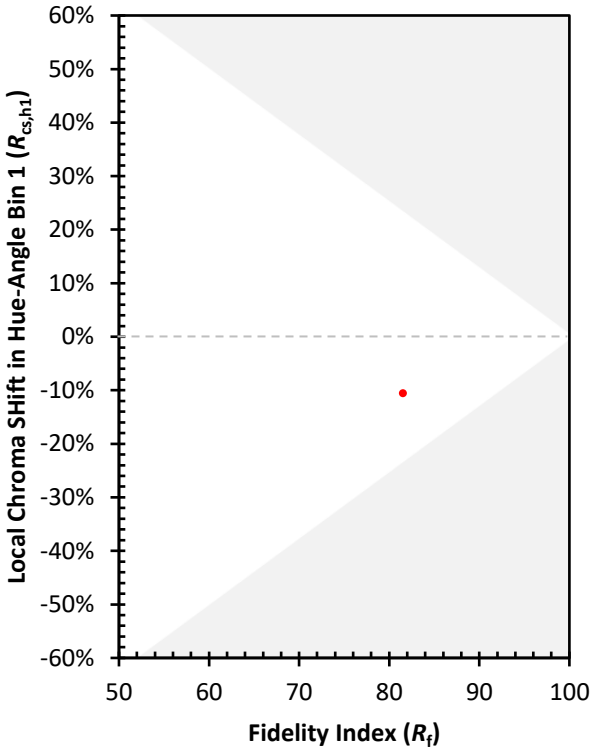
Measure Comparisons





(END OF REPORT)