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: P386516

Luminaire Tested: **GPC-SA2A-830-U-T4W-HSS**

Issue Date: 3/3/2020

Report Generated By 670245982

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:	P386516
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2A-830-U-T4W-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5601 lumens
Efficiency:	N/A
Efficacy:	84.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	66
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:	28.75 FT

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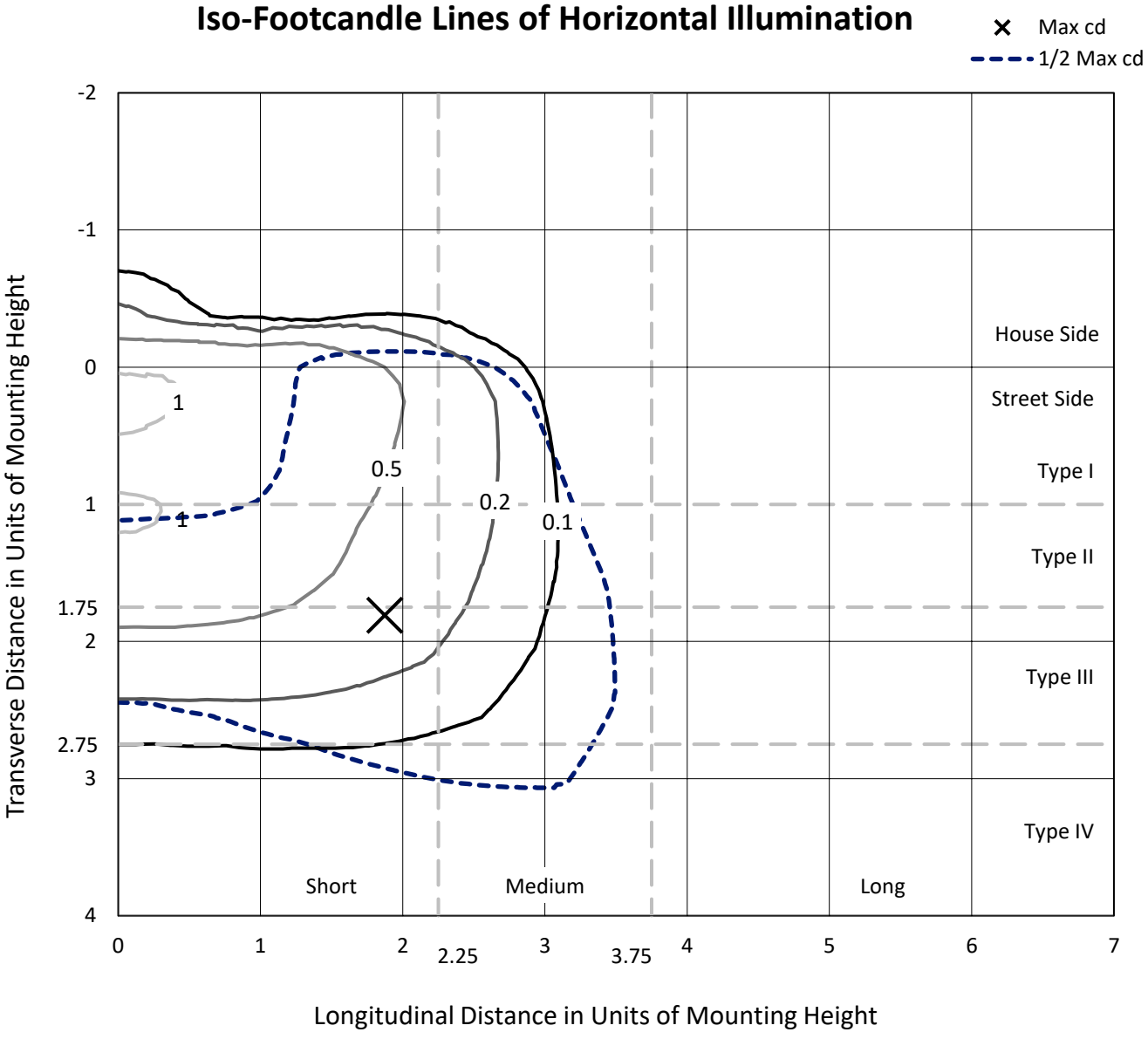
REPORT NUMBER: P386516
CATALOG NUMBER: GPC-SA2A-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type IV - Short - N/A

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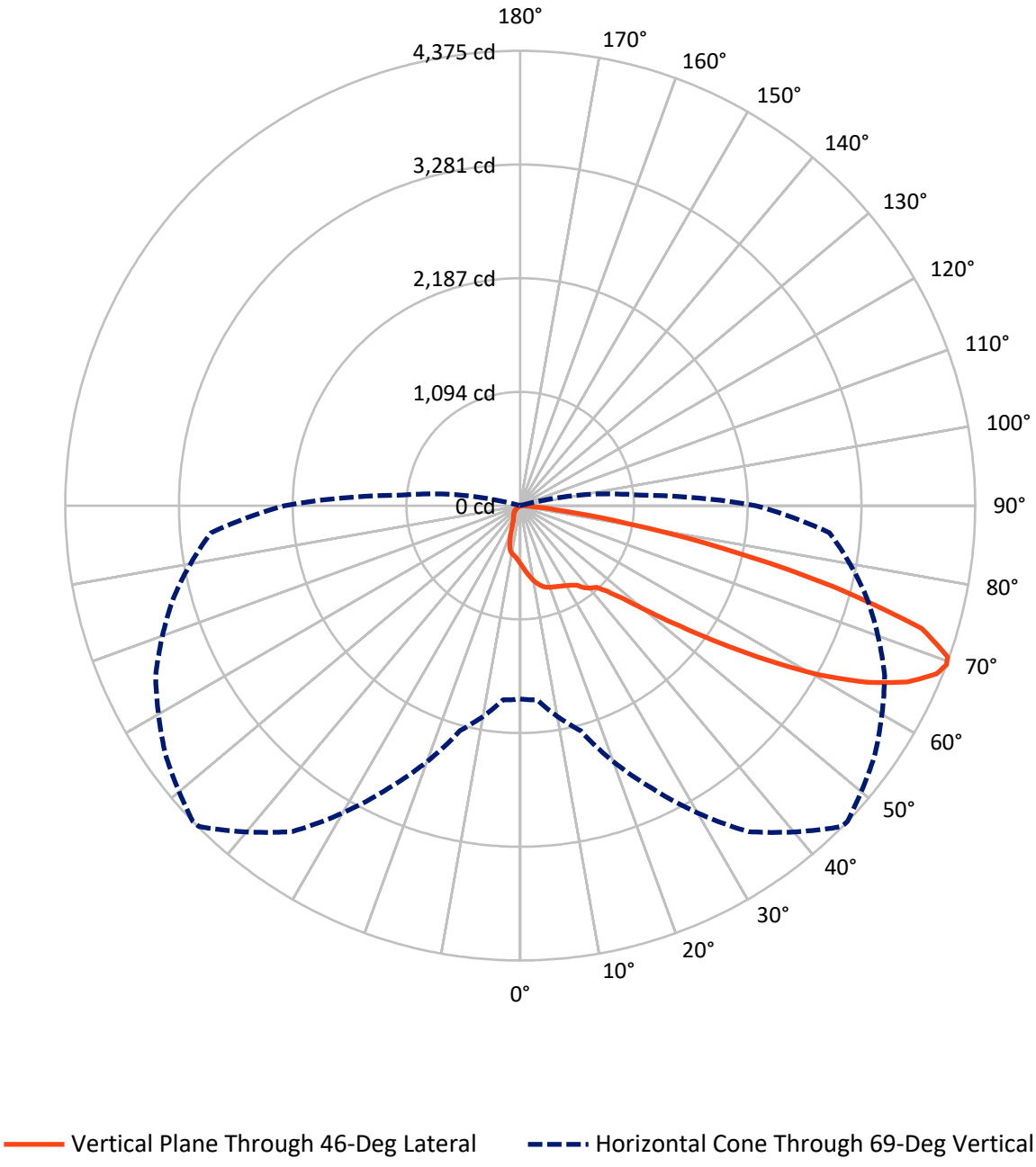
Luminous Intensity Polar Plot



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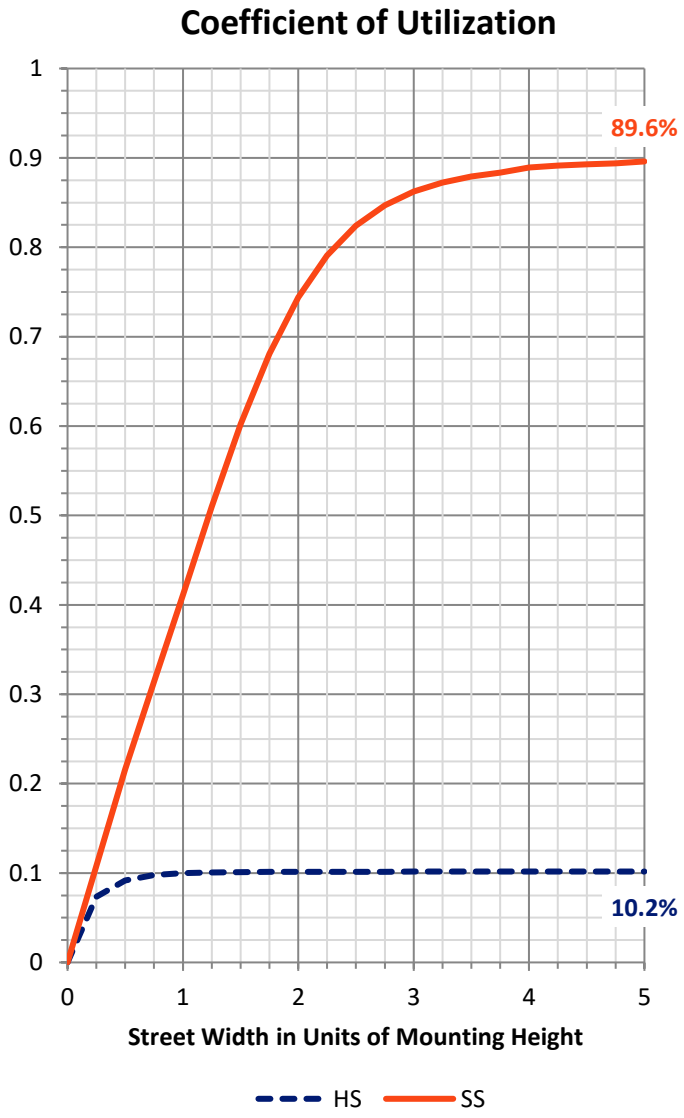
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	574.8	0.0	574.8
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	5026.2	0.0	5026.2
	% Fixture	89.7	0.0	89.7
Total	Lumens	5601.0	0.0	5601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.0
10°-20°	169.5	3.0
20°-30°	266.5	4.8
30°-40°	382.2	6.8
40°-50°	660.5	11.8
50°-60°	1305.0	23.3
60°-70°	1823.8	32.6
70°-80°	881.1	15.7
80°-90°	56.6	1.0
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°	5601.0	100.0
0°-180°	5601.0	100.0



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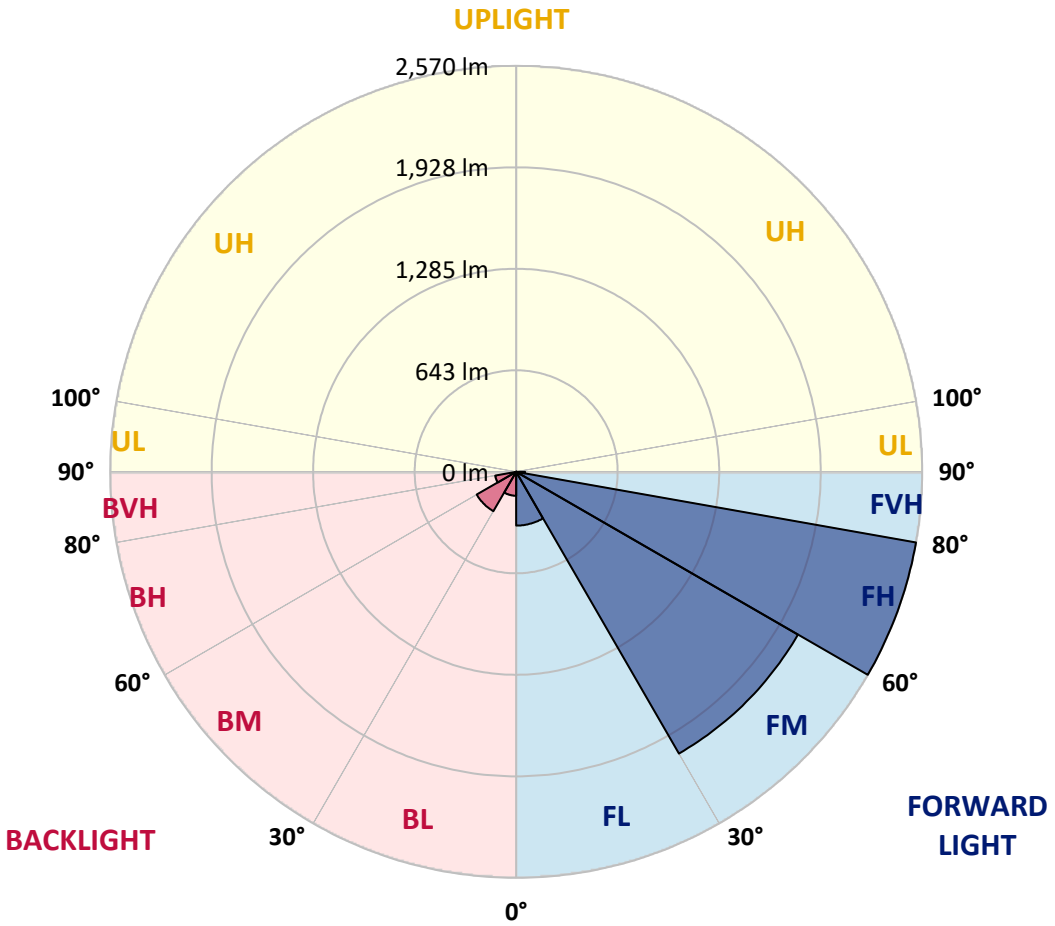
CATALOG NUMBER: GPC-SA2A-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	340.3	6.1			
FM	(30°-60°)	2059.6	36.8			
FH	(60°-80°)	2570.1	45.9			G2/5000
FVH	(80°-90°)	56.2	1.0			G1/100
BL	(0°-30°)	151.5	2.7	B1/500		
BM	(30°-60°)	288.0	5.1	B1/1000		
BH	(60°-80°)	134.8	2.4	B1/500		G1/500
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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Scaled Data Report

REPORT NUMBER: P386516
CATALOG NUMBER: GPC-SA2A-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	561.2	561.2	561.2	561.2	561.2	561.2	*561.2*	561.2	561.2	561.2	561.2
2.5°	623.4	622.7	619.0	617.4	608.5	603.2	*601.1*	594.6	585.1	575.6	565.1
5°	694.3	694.1	687.3	680.7	663.9	648.1	*645.2*	630.0	608.7	588.8	568.8
7.5°	766.8	763.4	756.6	744.0	719.6	694.3	*692.0*	670.4	640.2	611.4	582.7
10°	828.3	826.2	817.2	798.1	769.4	740.8	*737.9*	711.4	677.3	641.8	605.3
12.5°	876.1	874.5	862.7	838.8	808.3	778.6	*774.7*	751.1	714.6	674.9	631.8
15°	905.2	904.4	890.0	864.5	834.6	808.8	*805.4*	784.7	750.8	709.3	660.7
17.5°	912.0	912.3	897.3	871.6	846.9	828.5	*825.9*	810.2	781.8	740.6	689.6
20°	896.8	900.0	886.6	864.3	849.0	839.3	*837.2*	827.7	803.9	765.0	712.7
22.5°	875.3	876.9	867.7	852.7	846.4	848.2	*847.2*	841.9	821.7	786.0	735.6
25°	862.2	862.2	856.6	844.0	848.2	859.5	*859.8*	858.7	842.7	811.7	763.4
27.5°	861.6	860.1	853.7	844.3	855.8	873.2	*874.2*	881.3	871.3	843.0	798.1
30°	882.6	880.8	867.4	855.1	869.8	888.4	*891.0*	906.5	901.5	876.9	836.7
32.5°	931.7	925.2	895.5	875.3	886.3	908.6	*912.0*	936.7	944.6	918.6	874.0
35°	999.0	978.2	935.4	913.6	914.7	938.0	*941.2*	977.4	1000.8	957.0	902.9
37.5°	1091.7	1081.4	1011.8	953.5	958.3	993.7	*1002.9*	1042.3	1035.7	978.0	935.7
40°	1294.9	1278.9	1204.9	1065.4	1000.0	1038.9	*1041.8*	1062.8	1063.3	1025.5	1004.0
42.5°	1571.7	1565.2	1487.2	1268.4	1082.2	1069.1	*1074.3*	1109.8	1149.4	1125.8	1124.8
45°	1878.2	1874.8	1792.1	1537.8	1248.5	1168.1	*1174.7*	1222.2	1298.1	1303.3	1336.7
47.5°	2124.8	2123.2	2075.7	1838.5	1502.9	1335.9	*1338.0*	1388.4	1521.8	1587.7	1641.1
50°	2349.6	2357.2	2319.6	2163.9	1849.6	1598.8	*1593.8*	1627.4	1841.7	1949.6	2015.8
52.5°	2662.1	2672.9	2567.5	2467.5	2213.3	1924.9	*1921.0*	1956.2	2226.2	2307.0	2318.9
55°	2938.1	2919.7	2836.5	2807.6	2656.8	2327.8	*2326.7*	2357.7	2598.0	2632.4	2654.2
57.5°	3059.9	3052.9	3093.0	3159.2	3121.4	2803.9	*2801.5*	2777.9	2930.7	2934.4	3001.4
60°	3136.9	3145.6	3268.7	3472.8	3567.0	3316.2	*3301.0*	3156.8	3248.5	3240.4	3312.0
62.5°	3079.1	3096.2	3317.8	3657.9	3900.6	3763.5	*3741.9*	3504.0	3520.0	3491.9	3558.6
65°	2772.4	2798.9	3162.1	3623.0	4066.0	4113.0	*4091.2*	3810.5	3735.6	3689.4	3652.4
67.5°	2251.1	2266.9	2646.1	3319.1	3991.4	4321.5	*4317.1*	4079.1	3898.5	3656.1	3368.8
69°	*1860.3*	*1875.8*	*2240.9*	*2999.3*	*3827.3*	*4366.2*	*4374.8*	*4165.3*	*3867.5*	*3453.3*	*2984.8*
70°	1575.7	1592.2	1932.3	2725.1	3636.9	4345.4	*4360.9*	4157.1	3778.7	3218.6	2647.9
72.5°	826.4	840.6	1189.6	1877.4	2964.9	3990.1	*4037.1*	3805.8	3203.1	2337.5	1565.7
75°	259.7	267.9	464.6	981.4	2030.0	3102.5	*3113.3*	2985.4	2274.5	1285.7	652.1
77.5°	99.0	96.6	154.7	361.6	1026.3	1953.6	*2019.5*	1865.6	1193.6	454.6	150.5
80°	53.3	53.6	80.4	149.7	439.1	1004.0	*1059.6*	904.2	424.1	141.8	34.7
82.5°	23.1	24.2	45.2	79.3	201.7	370.3	*398.1*	331.4	162.0	95.3	12.9
85°	5.0	5.5	21.8	43.1	82.2	104.0	*109.0*	107.4	103.2	74.1	5.0
87.5°	0.0	0.0	9.7	15.5	20.7	23.6	*20.7*	27.0	57.0	49.9	2.6
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: P386516
CATALOG NUMBER: GPC-SA2A-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2
2.5°	561.7	557.0	548.9	539.9	533.6	527.1	521.8	519.4	516.8	515.0	517.3
5°	560.7	551.5	535.7	520.5	509.5	500.5	493.2	490.3	487.4	485.3	485.0
7.5°	569.9	557.0	532.8	510.5	493.4	481.4	471.4	467.2	463.8	462.2	460.9
10°	587.5	570.9	538.6	509.5	487.4	466.9	445.4	428.8	418.1	413.1	411.2
12.5°	610.3	589.6	549.6	515.0	482.9	443.5	397.9	358.5	333.0	324.6	319.6
15°	637.1	611.4	564.1	522.1	466.7	394.7	317.2	265.8	242.1	237.4	232.1
17.5°	662.8	634.5	581.4	523.4	430.9	315.4	232.4	197.5	188.3	191.4	192.2
20°	685.4	657.3	598.5	511.8	366.1	236.6	179.9	171.2	174.6	180.7	181.7
22.5°	708.3	679.4	614.2	481.4	283.1	179.6	162.0	164.1	167.5	173.6	174.6
25°	736.1	706.2	629.0	425.4	212.5	152.8	153.9	157.0	160.5	166.0	166.5
27.5°	768.1	740.0	638.7	352.7	157.6	140.5	143.9	148.6	152.1	157.3	158.4
30°	810.7	784.7	641.8	277.3	132.1	129.5	131.0	136.8	141.8	146.5	147.3
32.5°	850.6	828.8	631.3	209.3	122.4	119.2	119.2	122.6	128.4	132.9	133.9
35°	887.4	873.2	597.7	153.1	115.0	109.8	107.1	107.1	110.8	114.5	115.5
37.5°	935.9	935.4	543.3	122.1	107.9	101.9	96.4	92.2	90.9	91.7	92.2
40°	1019.2	1020.0	472.4	109.5	101.9	93.8	85.3	77.7	70.6	68.3	68.0
42.5°	1149.2	1137.4	398.1	103.5	96.6	85.3	72.7	62.5	51.5	48.1	47.8
45°	1355.6	1285.5	319.3	98.0	91.1	75.9	60.1	46.2	37.3	34.7	34.7
47.5°	1656.3	1480.1	247.4	91.9	83.8	65.1	45.4	33.4	27.3	26.0	26.3
50°	1967.2	1670.7	189.6	84.3	74.8	53.8	33.6	24.2	20.7	20.7	21.0
52.5°	2243.0	1810.4	147.8	76.2	63.8	42.3	25.5	18.9	17.3	17.1	17.3
55°	2501.1	1900.5	113.2	66.7	50.7	31.5	19.4	15.5	14.4	13.9	13.7
57.5°	2750.1	1945.2	84.8	53.8	36.8	22.8	15.5	13.1	12.1	11.3	11.0
60°	2915.8	1908.9	58.3	39.7	25.5	16.5	12.9	11.3	10.0	9.2	8.9
62.5°	3009.3	1809.9	37.6	28.6	18.1	12.3	10.2	9.5	7.6	6.8	6.8
65°	2971.4	1646.6	26.3	20.5	13.1	9.2	7.6	7.6	5.5	4.5	4.2
67.5°	2633.2	1391.0	20.0	15.2	9.5	6.8	5.8	6.6	3.4	2.1	2.1
69°	*2265.5*	*1152.9*	*17.1*	*12.6*	*7.9*	*5.5*	*5.0*	*6.0*	*2.4*	*1.6*	*1.3*
70°	1969.1	994.5	15.5	11.0	6.6	4.7	4.5	5.8	2.4	1.3	1.1
72.5°	1178.1	554.6	11.8	7.9	4.2	3.7	3.7	6.6	2.4	1.3	1.1
75°	476.1	195.4	8.7	5.5	3.2	3.2	4.5	8.4	2.1	1.1	0.8
77.5°	107.9	42.8	5.0	3.4	2.1	3.2	5.3	6.6	1.3	0.5	0.0
80°	26.3	10.5	3.2	2.1	1.3	2.4	3.9	3.7	0.3	0.0	0.0
82.5°	8.7	3.7	1.3	1.1	0.3	0.8	1.8	1.1	0.0	0.0	0.0
85°	3.7	2.1	0.5	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
87.5°	2.4	0.8	0.0	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

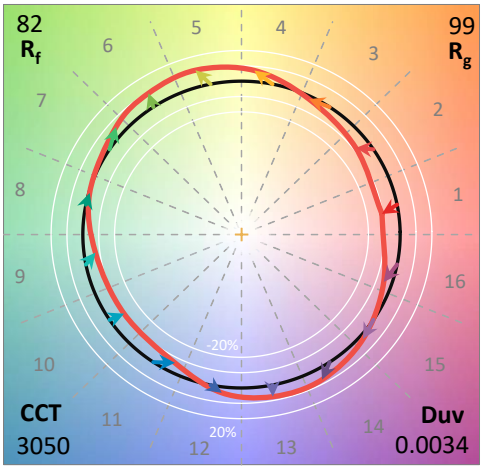
Test Information

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

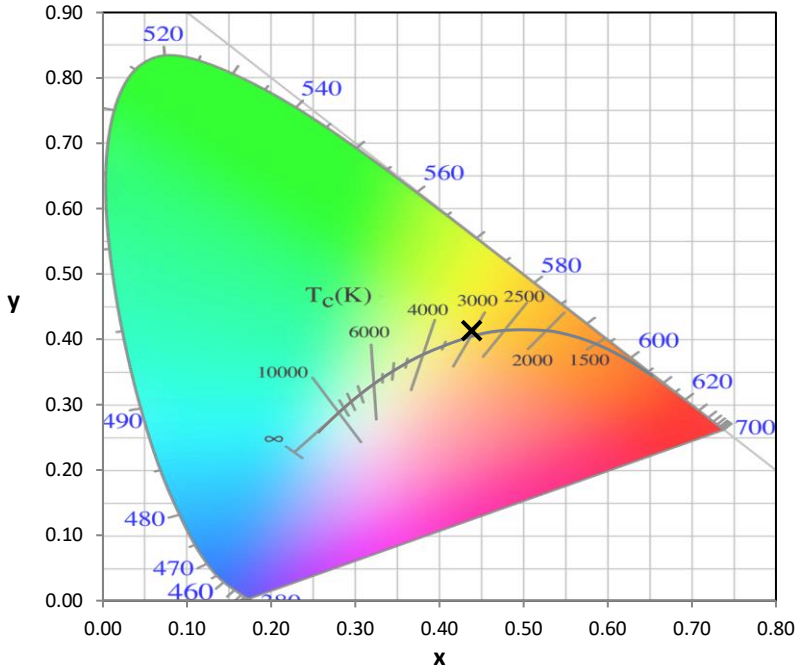
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

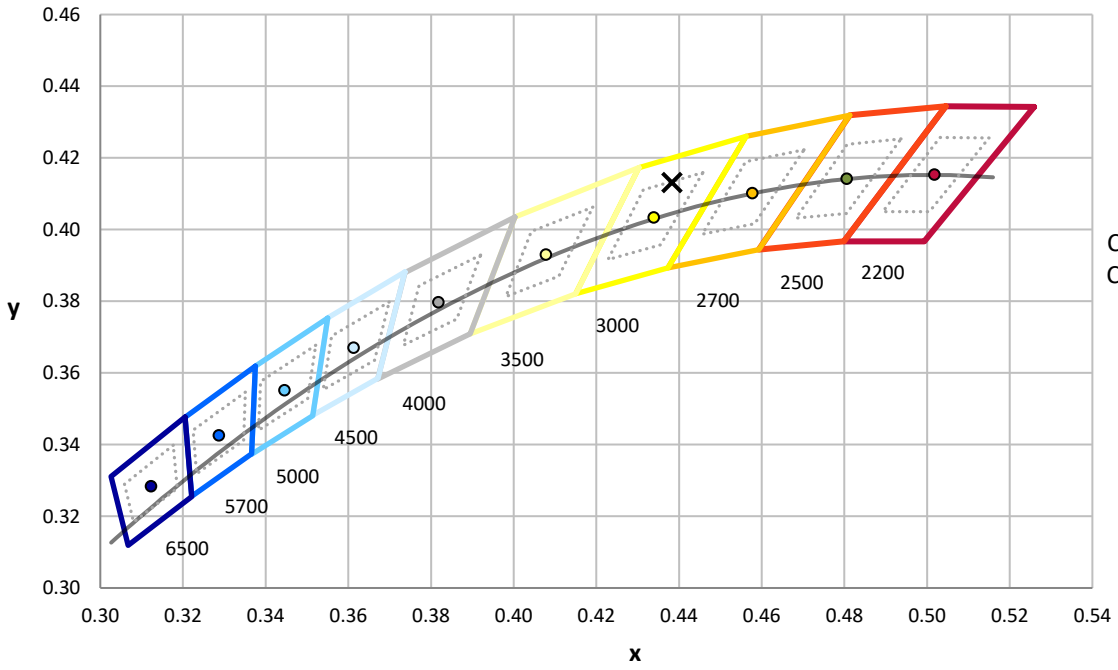
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

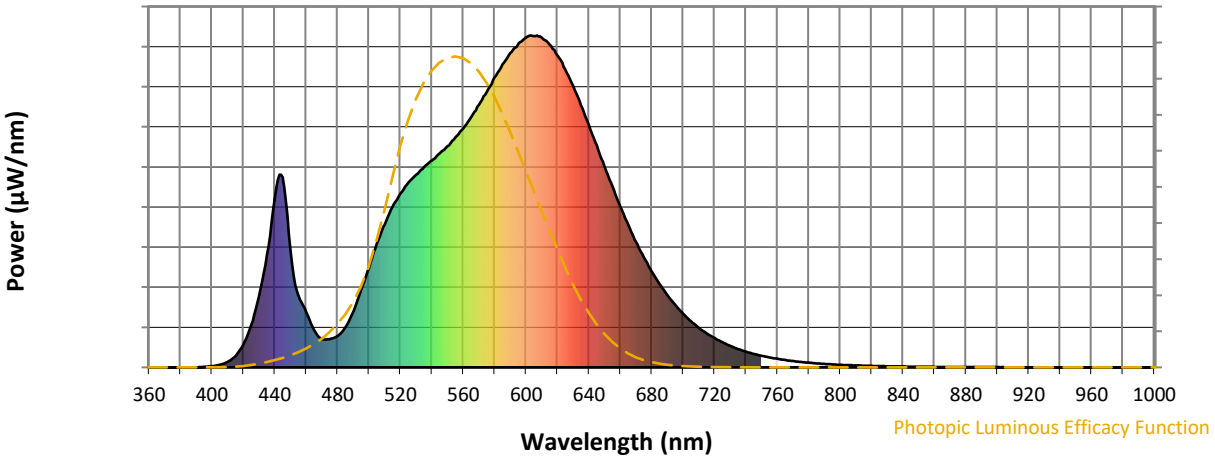


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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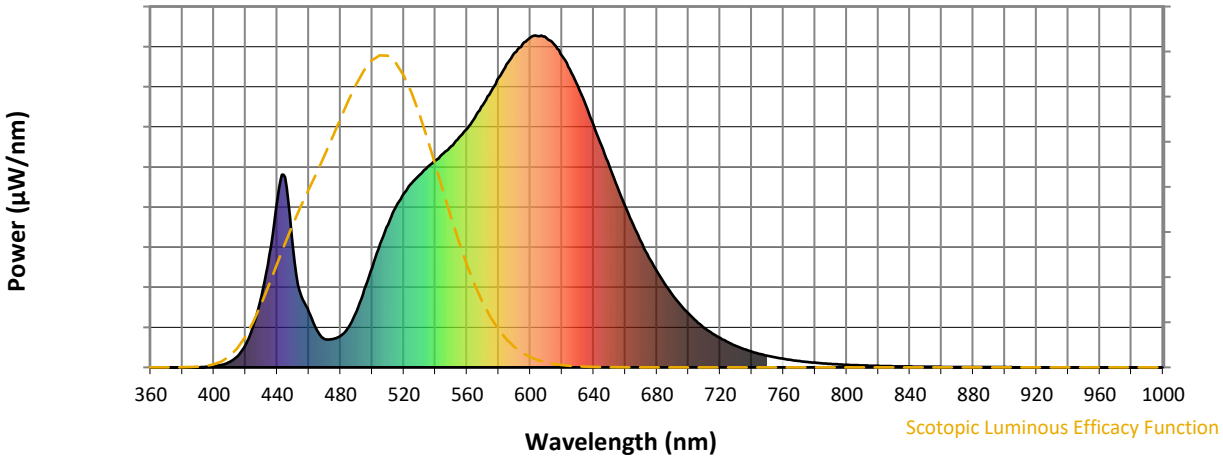
Scotopic Flux vs. Wavelength



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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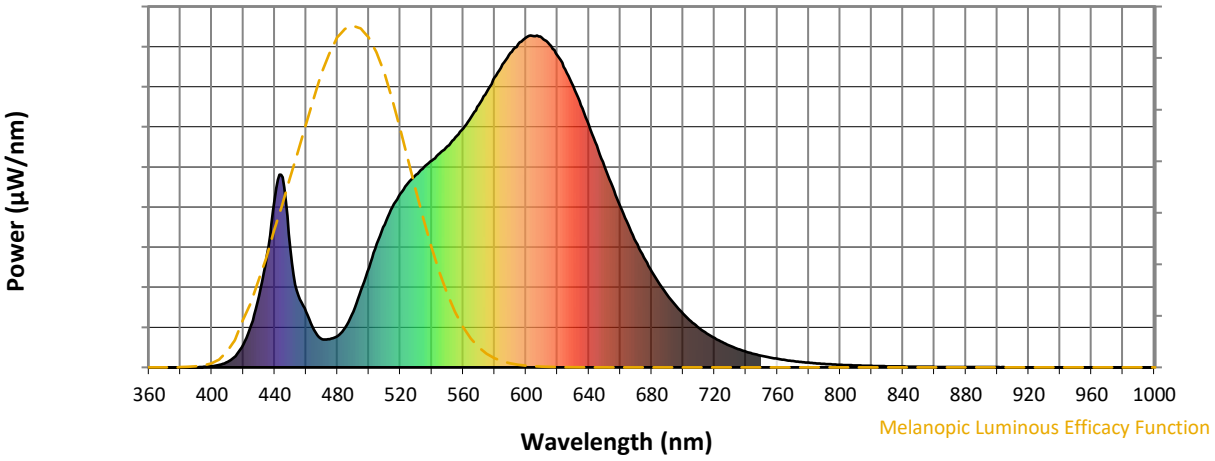
Melanopic Flux vs. Wavelength



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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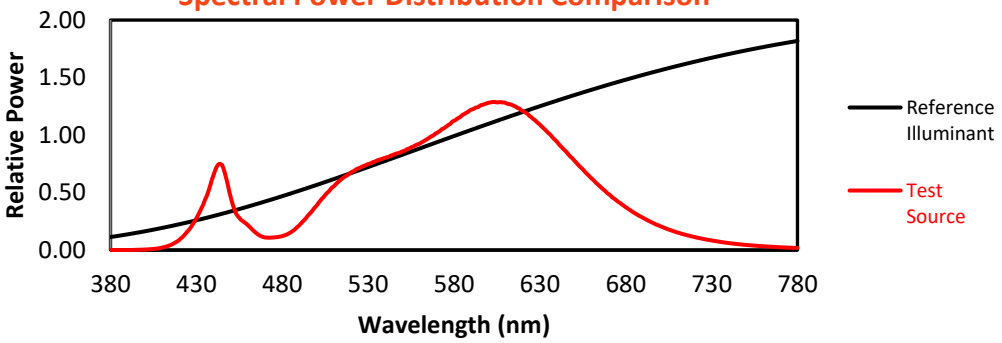
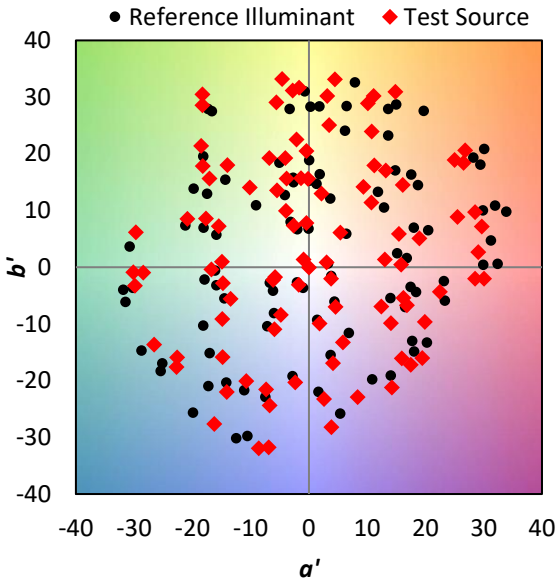
Summary

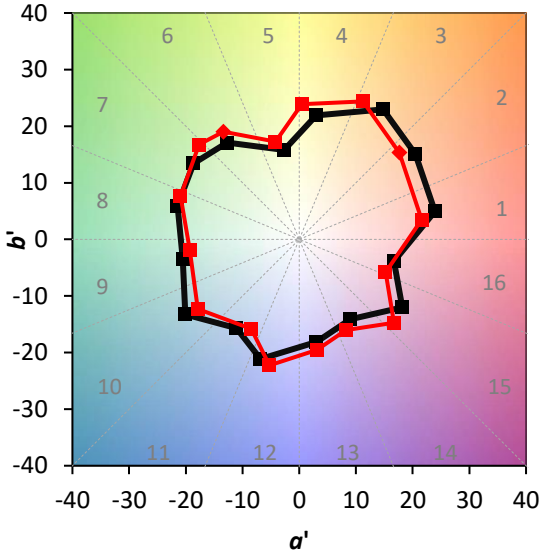
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

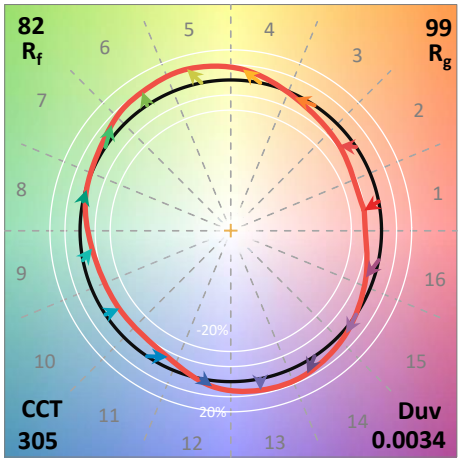
Spectral Power Distribution Comparison

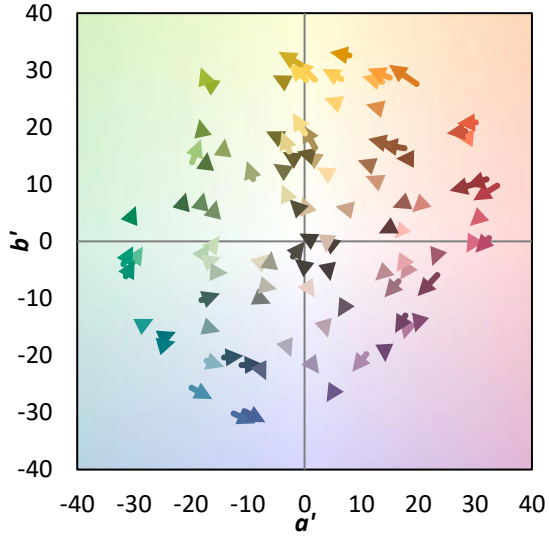


Color Vector Graphics









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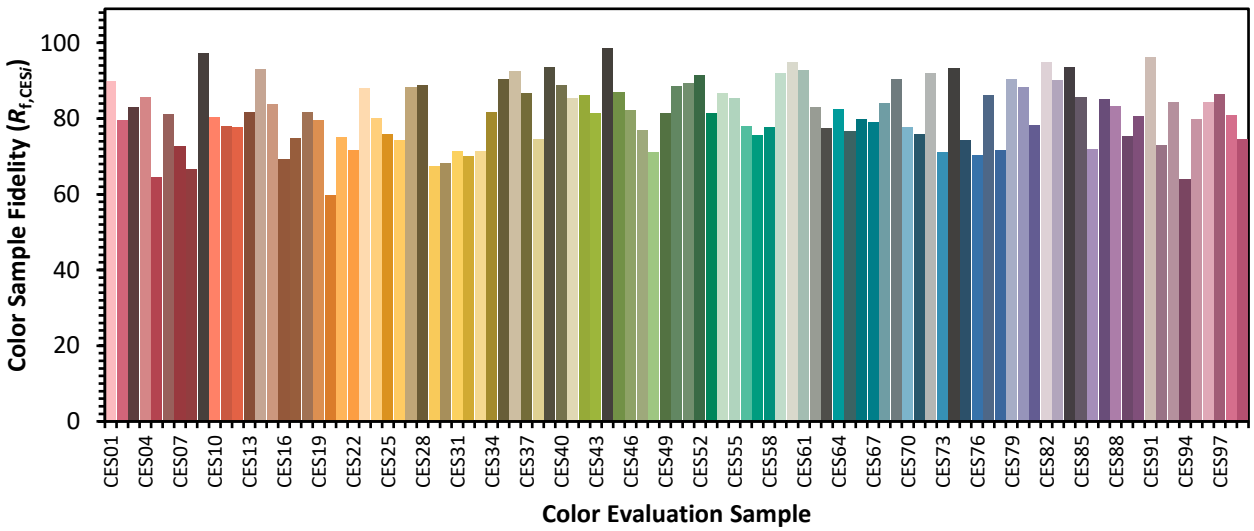
Individual Sample Fidelity Index ($R_{f,i}$)

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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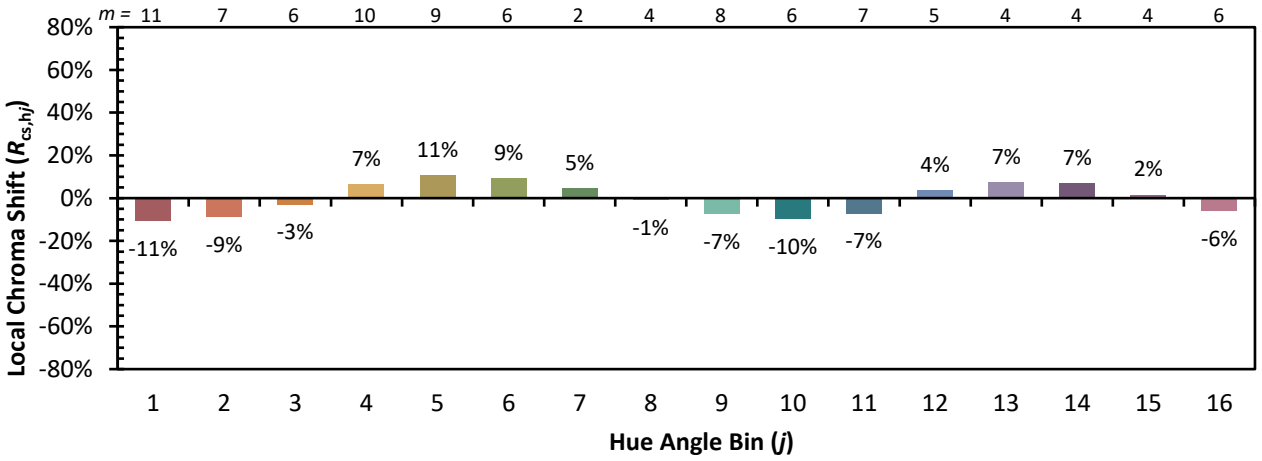
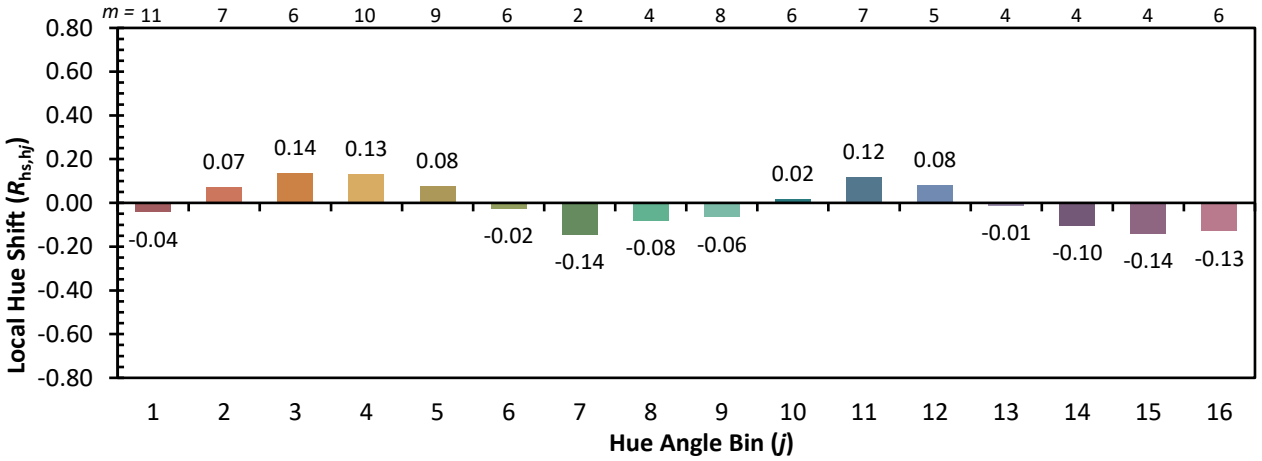
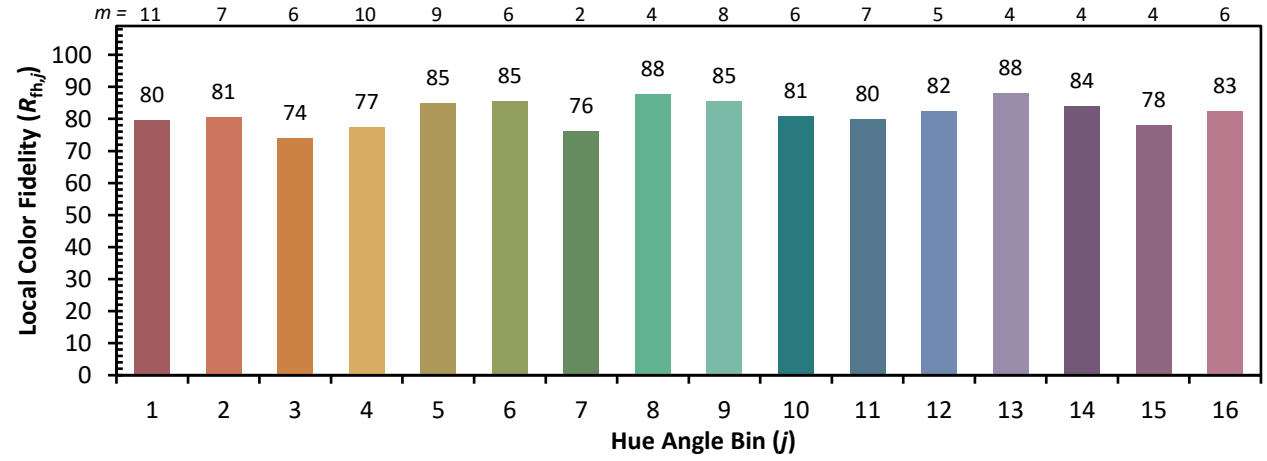
Color Rendition by Hue-Angle Bin







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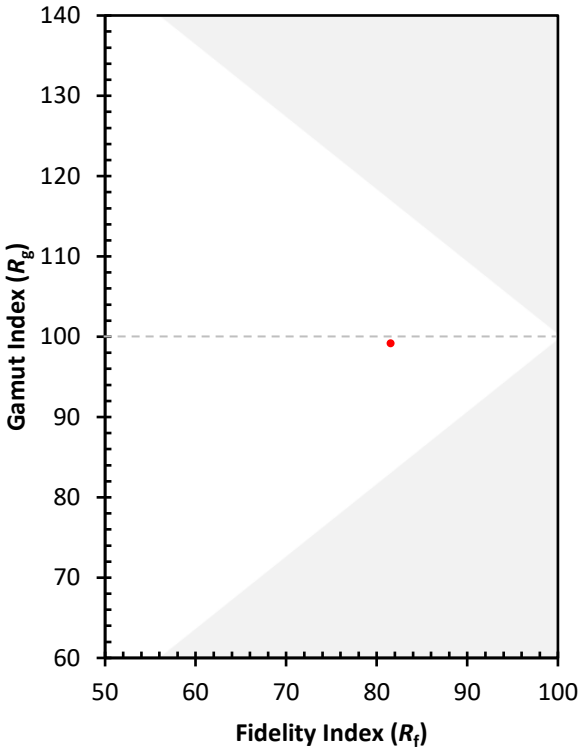
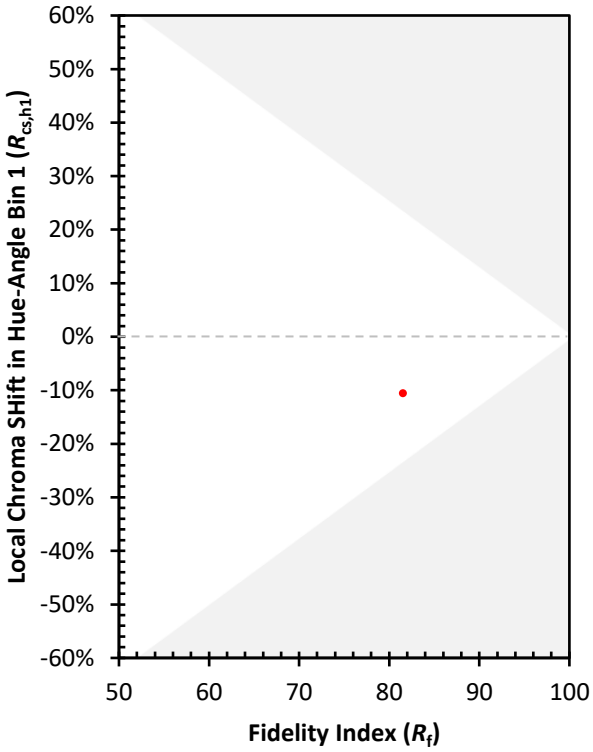
Measure Comparisons





(END OF REPORT)