

Signify Classified - Internal
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: P1047390

Luminaire Tested: **GALN-SA5B-840-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047390
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-840-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21275.7 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 178.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

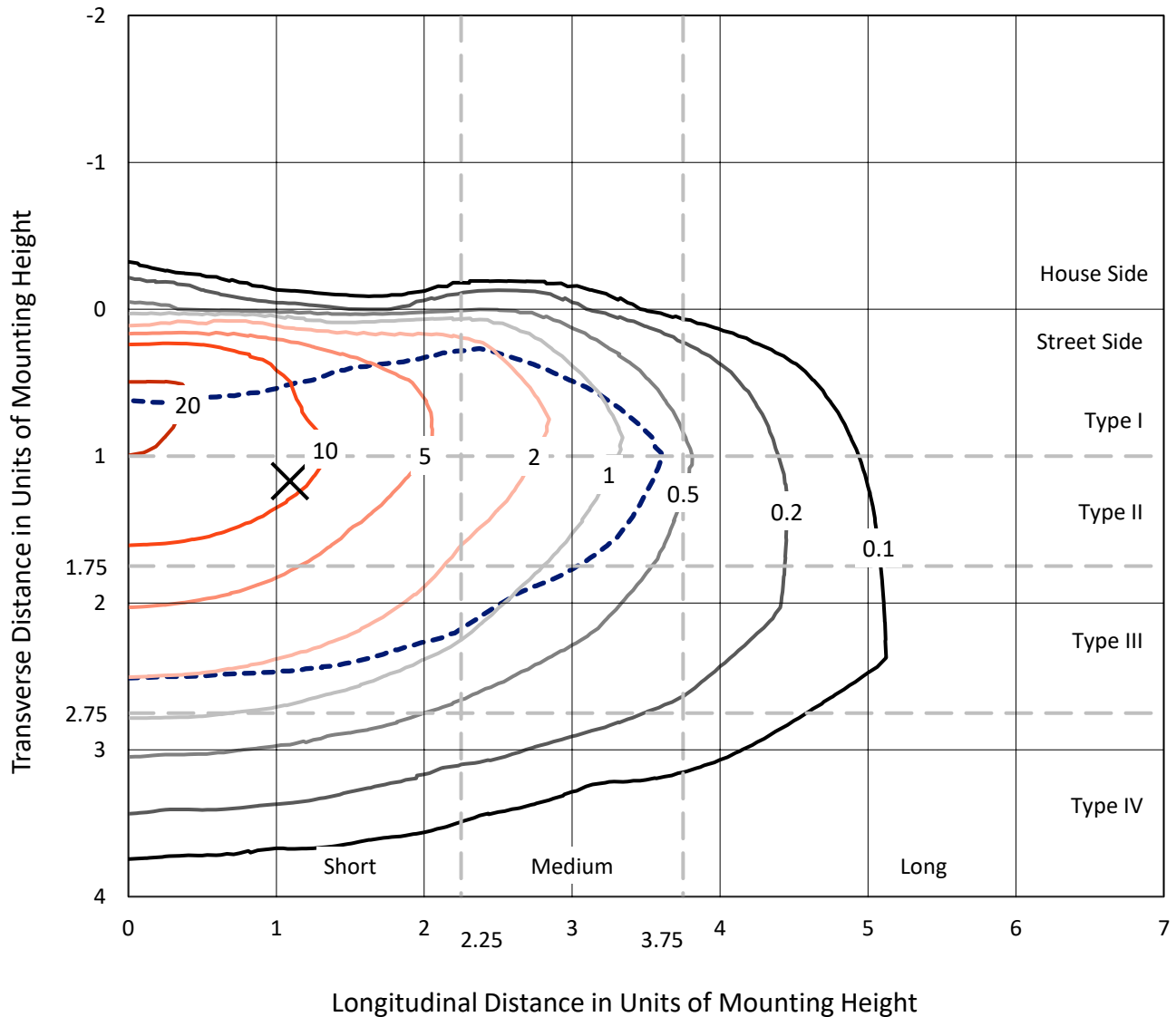


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

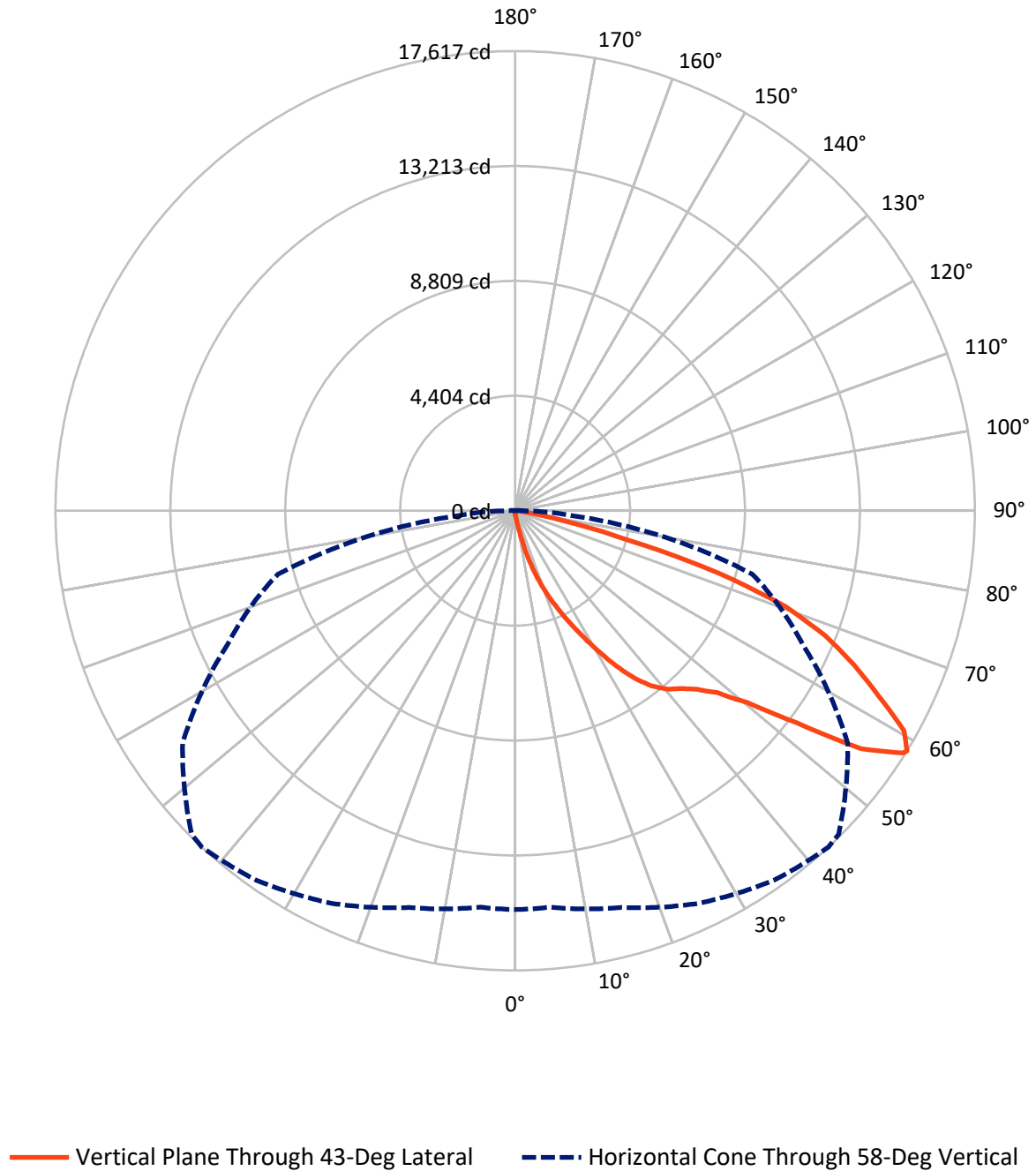


Based on 15 foot mounting height. Maximum calculated value = 23.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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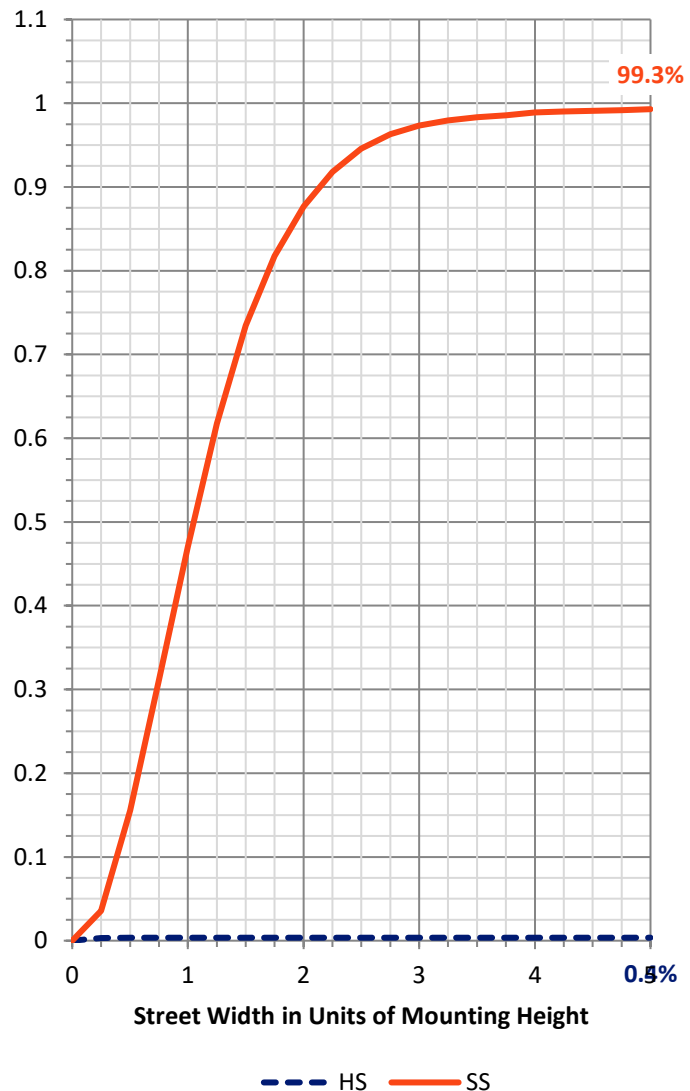
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	77.7	0.0	77.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	21198.0	0.0	21198.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	21275.7	0.0	21275.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.1
10°-20°	244.6	1.1
20°-30°	881.5	4.1
30°-40°	2016.8	9.5
40°-50°	3401.6	16.0
50°-60°	5613.4	26.4
60°-70°	6273.7	29.5
70°-80°	2590.3	12.2
80°-90°	233.5	1.1
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°	21275.7	100.0
0°-180°	21275.7	100.0



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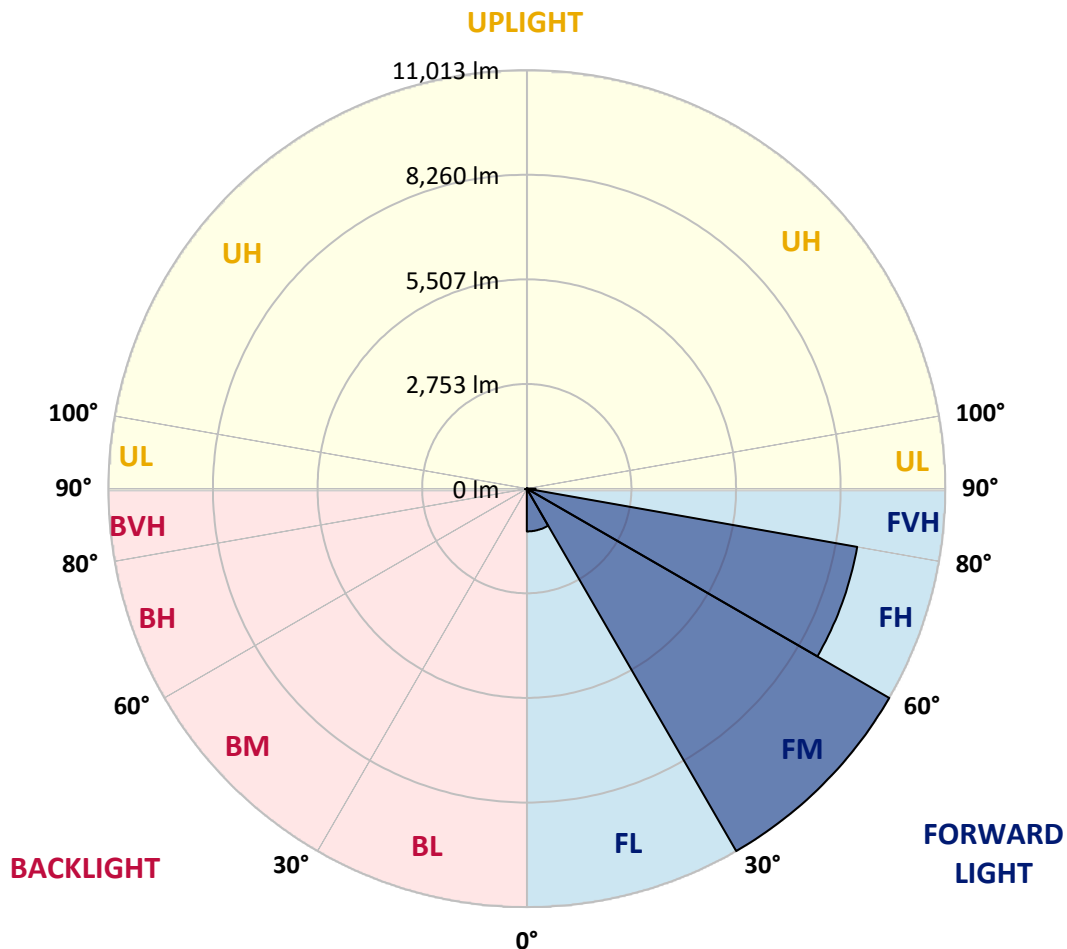
CATALOG NUMBER: GALN-SA5B-840-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1126.2	5.3			
FM	(30°-60°)	11013.1	51.8			
FH	(60°-80°)	8828.4	41.5			G4/12000
FVH	(80°-90°)	230.3	1.1			G3/500
BL	(0°-30°)	20.3	0.1	B0/110		
BM	(30°-60°)	18.6	0.1	B0/220		
BH	(60°-80°)	35.6	0.2	B0/110		G0/110
BVH	(80°-90°)	3.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

Type III Short



REPORT NUMBER: P1047390

CATALOG NUMBER: GALN-SA5B-840-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1
2.5°	166.9	172.5	166.9	166.9	166.9	161.4	161.4	155.8	155.8	150.2	144.7
5°	244.8	244.8	228.1	217.0	205.9	200.3	194.8	183.6	172.5	161.4	150.2
7.5°	545.3	545.3	495.2	428.5	339.4	289.4	278.2	228.1	194.8	172.5	150.2
10°	1302.1	1302.1	1190.8	1007.2	779.0	578.7	517.5	328.3	233.7	183.6	155.8
12.5°	2164.6	2192.4	2053.3	1819.6	1480.1	1129.6	1007.2	601.0	311.6	200.3	155.8
15°	2938.0	2871.3	2832.3	2609.7	2287.0	1869.7	1713.9	1012.7	450.7	228.1	155.8
17.5°	3461.1	3461.1	3405.5	3255.2	2960.3	2593.0	2465.1	1636.0	728.9	261.5	161.4
20°	4073.2	4073.2	3973.0	3867.3	3605.8	3294.2	3171.7	2325.9	1129.6	333.9	161.4
22.5°	4813.3	4824.4	4713.1	4523.9	4273.5	3928.5	3822.8	2965.9	1636.0	445.2	166.9
25°	5714.7	5725.8	5564.5	5386.4	5002.5	4629.6	4468.3	3700.4	2253.6	623.2	166.9
27.5°	6710.7	6788.6	6549.4	6243.3	5837.1	5369.7	5247.3	4362.5	2865.7	879.2	178.1
30°	7951.6	7951.6	7634.4	7206.0	6766.4	6187.7	6031.9	5058.1	3516.7	1218.6	189.2
32.5°	9020.0	8936.5	8530.3	8079.6	7612.2	7072.4	6905.5	5787.0	4184.5	1641.5	211.4
35°	9838.0	9765.6	9264.8	8780.7	8374.5	7879.3	7679.0	6577.2	4891.2	2120.1	244.8
37.5°	10539.1	10511.3	9832.4	9225.9	8958.8	8524.8	8346.7	7322.8	5586.7	2637.6	283.8
40°	11307.0	11218.0	10494.6	9743.4	9342.7	8992.2	8830.8	7923.8	6254.5	3244.1	339.4
42.5°	11963.6	11857.9	11206.8	10472.3	9787.9	9314.9	9159.1	8430.2	6905.5	3850.6	411.8
45°	12692.5	12636.9	11980.3	11423.8	10511.3	9754.5	9548.6	8836.4	7500.9	4574.0	506.4
47.5°	13788.7	13688.6	13076.5	12620.2	11563.0	10422.2	10127.3	9253.7	8074.0	5286.2	651.0
50°	15063.0	14996.2	14634.5	14272.8	13221.2	11563.0	11212.4	9854.7	8713.9	6132.0	840.2
52.5°	16103.6	16092.4	16136.9	16142.5	15346.8	13482.7	12959.6	10822.9	9448.5	6966.7	1107.3
55°	16081.3	16131.4	16621.0	17183.1	17244.3	16103.6	15597.2	12453.3	10405.5	7996.1	1480.1
57.5°	15480.3	15441.4	15958.9	16804.7	17400.1	17522.5	17439.0	14985.1	11846.7	9237.0	2053.3
58°	15285.6	15252.2	15741.9	16604.4	17288.8	17617.1	17533.6	15558.2	12169.5	9415.1	2209.1
60°	14578.9	14584.5	14873.8	15658.4	16342.8	17121.9	17199.8	17194.2	13777.6	10605.9	2993.7
62.5°	13644.1	13599.5	13866.6	14506.6	15107.5	15630.6	15764.1	17305.5	16131.4	12119.4	4490.5
65°	12353.1	12286.3	12570.1	13293.5	13939.0	14278.4	14284.0	15814.2	17238.7	13744.2	6627.3
67.5°	9954.8	9899.2	10466.8	11396.0	12392.1	12837.2	13037.5	13722.0	16303.9	14846.0	7851.5
70°	6098.7	6215.5	7005.7	8463.5	10166.3	10984.2	11284.7	11496.2	13883.3	14679.1	6566.1
72.5°	2815.6	2676.5	3349.8	4368.1	6310.1	8129.7	8441.3	9270.4	11006.5	12742.6	4896.7
75°	1313.2	1263.1	1418.9	1908.6	2860.1	4390.4	4957.9	7400.7	8441.3	8864.2	3533.4
77.5°	673.3	678.9	806.8	868.1	1179.7	2031.0	2331.5	4868.9	6187.7	4946.8	2370.5
80°	294.9	306.0	311.6	339.4	478.5	784.6	884.7	2259.2	4229.0	2520.7	1296.5
82.5°	189.2	194.8	194.8	194.8	228.1	311.6	356.1	907.0	2108.9	1252.0	400.6
85°	100.2	100.2	111.3	139.1	161.4	189.2	200.3	289.4	695.6	372.8	94.6
87.5°	55.6	61.2	66.8	83.5	105.7	128.0	139.1	200.3	267.1	256.0	22.3
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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CATALOG NUMBER: GALN-SA5B-840-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1
2.5°	144.7	139.1	133.5	128.0	122.4	116.9	116.9	116.9	116.9	116.9	116.9
5°	139.1	133.5	128.0	116.9	105.7	100.2	94.6	89.0	89.0	89.0	89.0
7.5°	139.1	133.5	116.9	105.7	94.6	83.5	72.3	72.3	72.3	72.3	72.3
10°	139.1	128.0	111.3	94.6	77.9	66.8	61.2	55.6	55.6	55.6	55.6
12.5°	139.1	122.4	105.7	83.5	66.8	55.6	50.1	44.5	44.5	44.5	44.5
15°	139.1	122.4	100.2	77.9	61.2	44.5	39.0	33.4	33.4	33.4	33.4
17.5°	133.5	116.9	94.6	66.8	50.1	33.4	27.8	22.3	22.3	27.8	27.8
20°	128.0	111.3	83.5	55.6	39.0	27.8	16.7	16.7	16.7	16.7	16.7
22.5°	128.0	111.3	77.9	50.1	33.4	16.7	11.1	11.1	11.1	11.1	16.7
25°	128.0	105.7	66.8	39.0	22.3	11.1	5.6	5.6	5.6	5.6	5.6
27.5°	128.0	105.7	61.2	33.4	16.7	11.1	5.6	0.0	0.0	0.0	0.0
30°	122.4	100.2	55.6	27.8	11.1	5.6	0.0	0.0	0.0	0.0	0.0
32.5°	122.4	94.6	44.5	22.3	11.1	5.6	0.0	0.0	0.0	0.0	0.0
35°	128.0	89.0	39.0	16.7	5.6	0.0	0.0	0.0	0.0	0.0	5.6
37.5°	133.5	83.5	33.4	11.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	139.1	77.9	33.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	150.2	77.9	27.8	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	161.4	77.9	22.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	183.6	83.5	22.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	200.3	89.0	16.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	222.6	83.5	16.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	250.4	83.5	16.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	272.7	77.9	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	283.8	72.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	339.4	66.8	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	528.6	55.6	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1073.9	50.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2003.2	44.5	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2242.5	50.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1413.4	39.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	745.6	39.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	372.8	39.0	5.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	172.5	27.8	5.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	72.3	16.7	11.1	5.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	33.4	16.7	11.1	11.1	5.6	5.6	0.0	0.0	0.0	0.0	0.0
87.5°	16.7	16.7	16.7	11.1	11.1	5.6	5.6	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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3897
 CIE u' : 0.2249
 CIE v' : 0.5084
 Duv: 0.0039
 CIE x: 0.3882
 CIE y: 0.3900
 CIE z: 0.2218
 Peak Wavelength (nm): 445
 Dominant Wavelength (nm): 577
 Purity: 33.54925
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



Test Conditions

Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

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

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CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.57

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.06

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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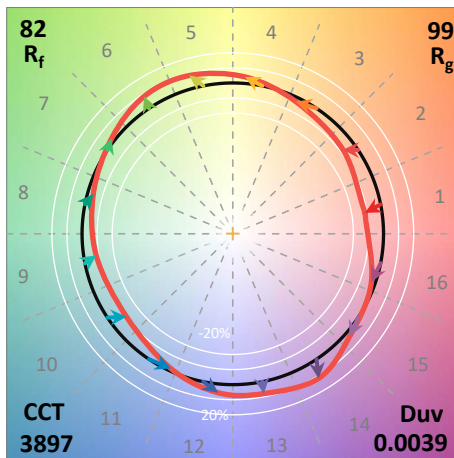
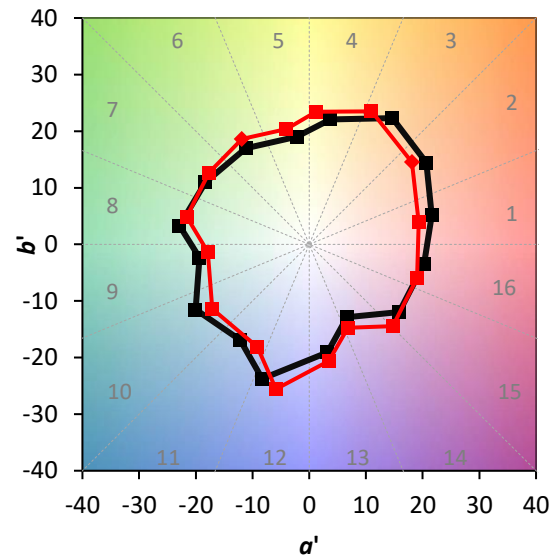
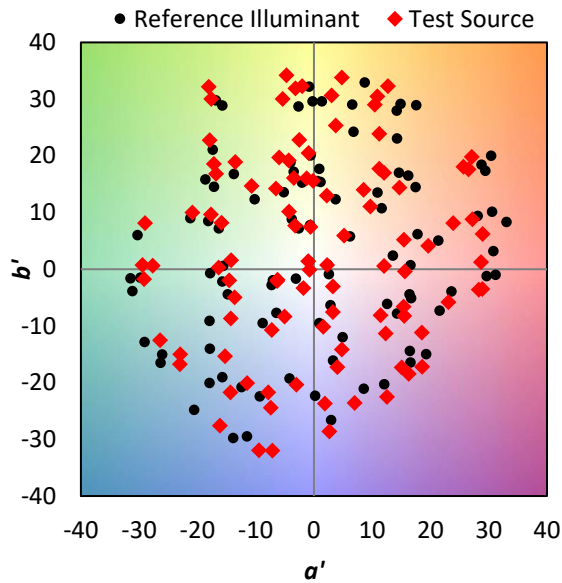
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 $CIE R_a = 80.2$
 $R_9 = 6.7$



Color Vector Graphics

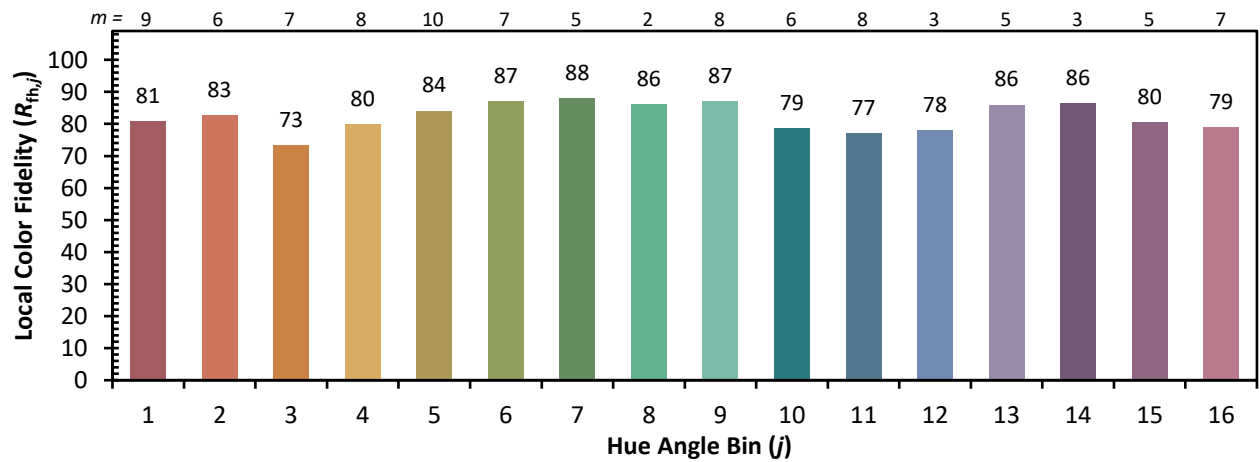
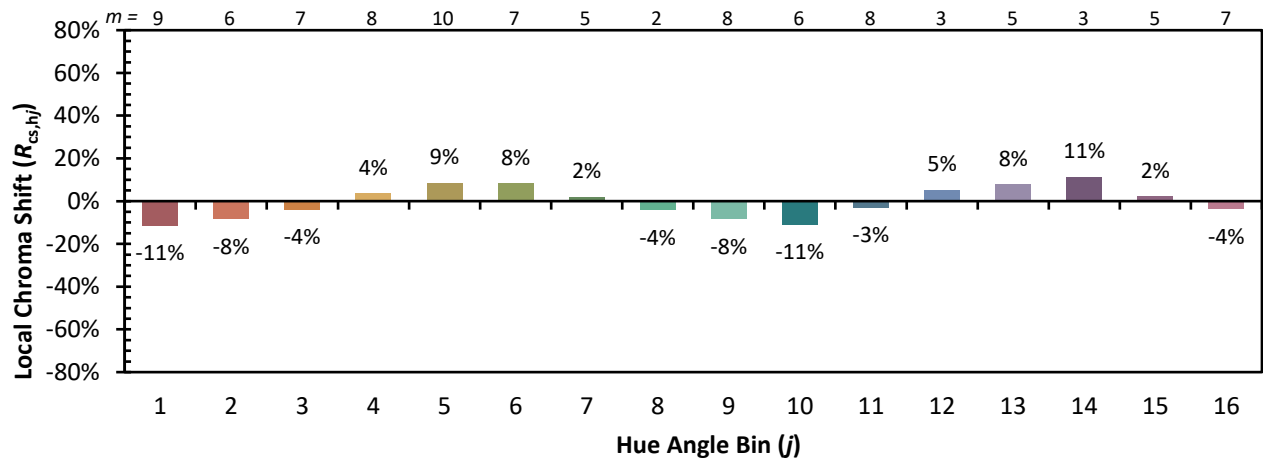


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)