

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: P1048713

Luminaire Tested: **GALN-SA3A-930-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048713
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-930-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7688.1 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 81.4
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

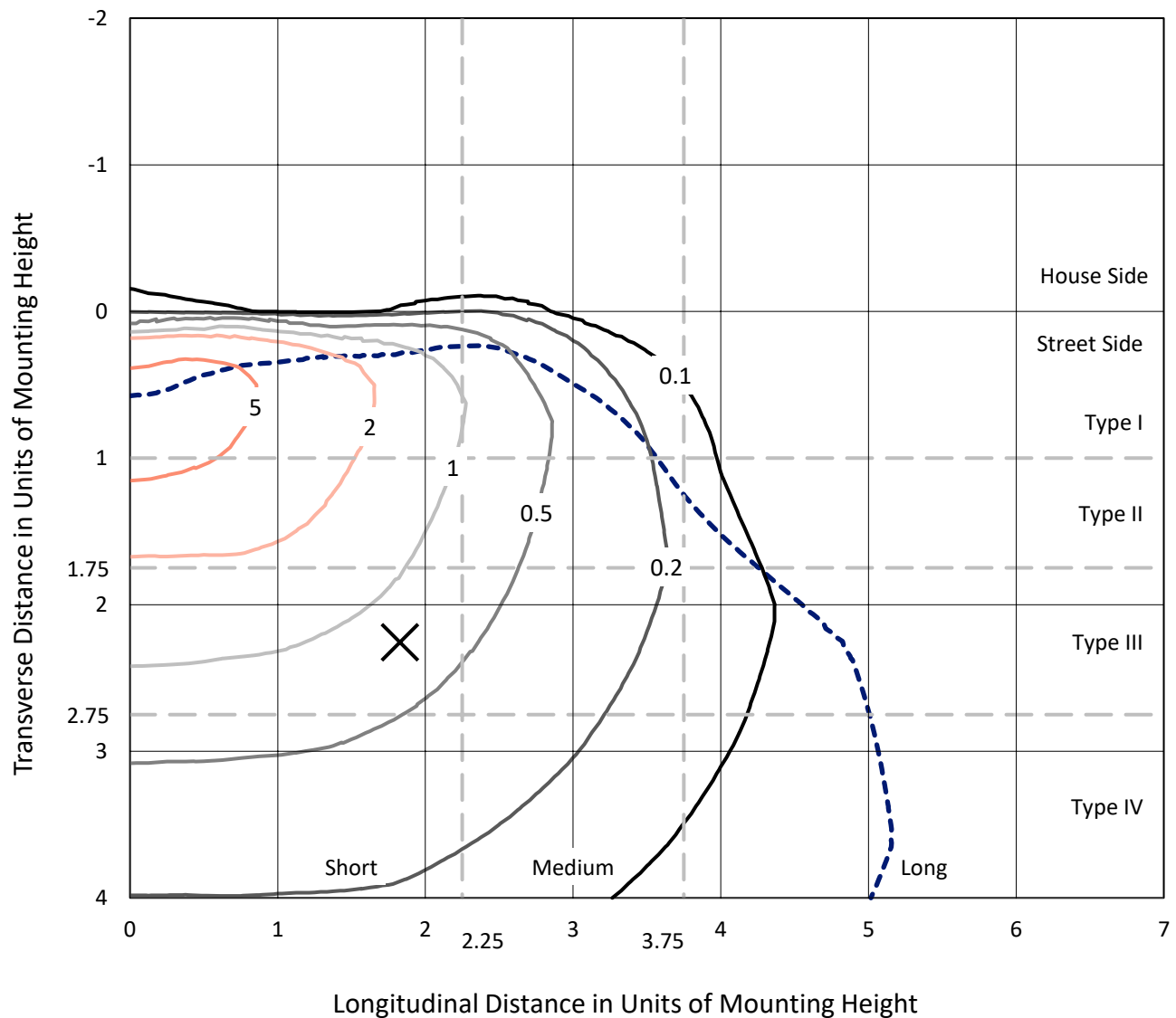


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CATALOG NUMBER: GALN-SA3A-930-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

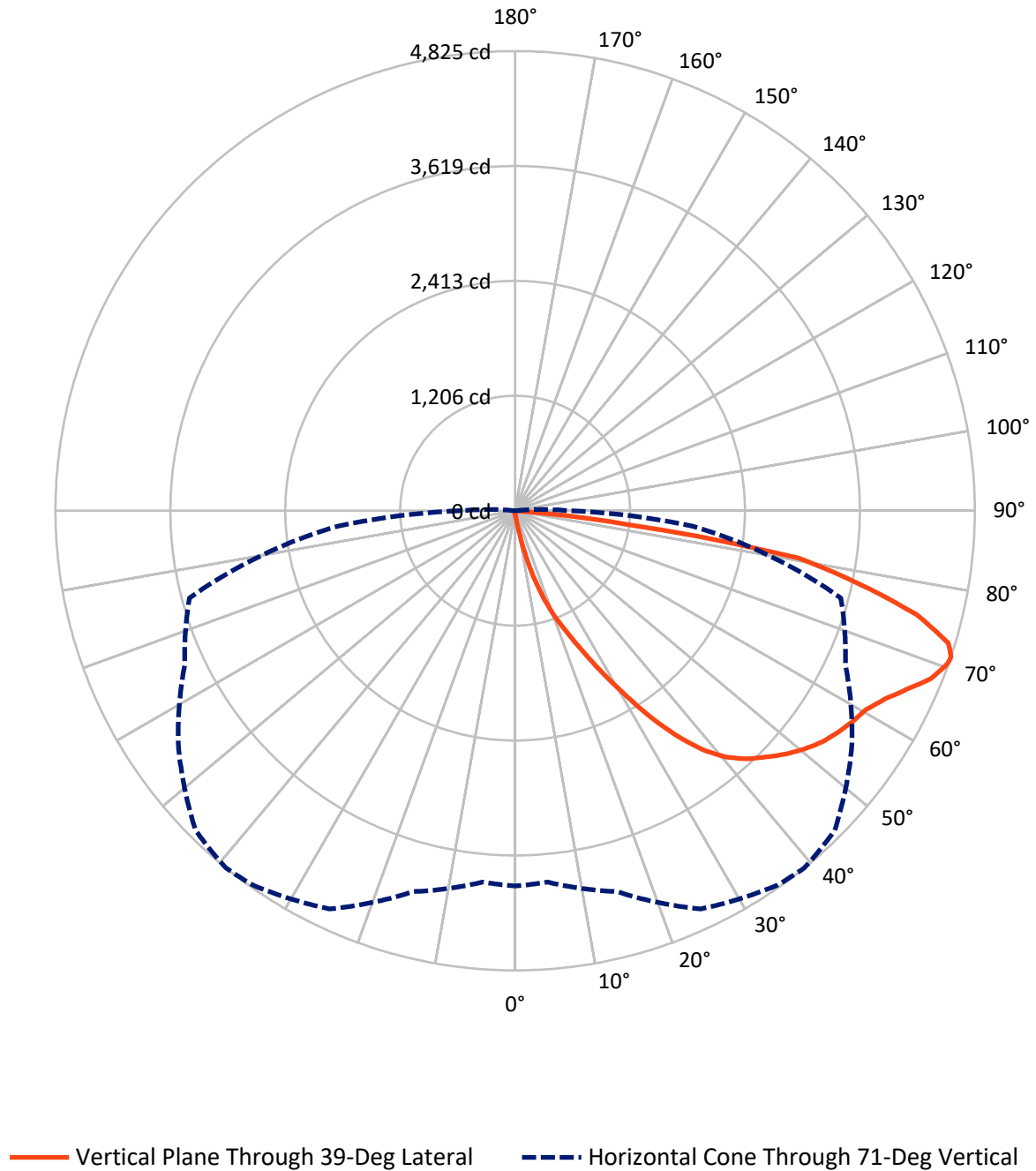


Based on 15 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.3	0.0	27.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	7660.8	0.0	7660.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	7688.1	0.0	7688.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.1
10°-20°	82.2	1.1
20°-30°	292.6	3.8
30°-40°	705.3	9.2
40°-50°	1180.3	15.4
50°-60°	1516.0	19.7
60°-70°	1918.5	25.0
70°-80°	1710.4	22.2
80°-90°	276.5	3.6
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°	7688.1	100.0
0°-180°	7688.1	100.0



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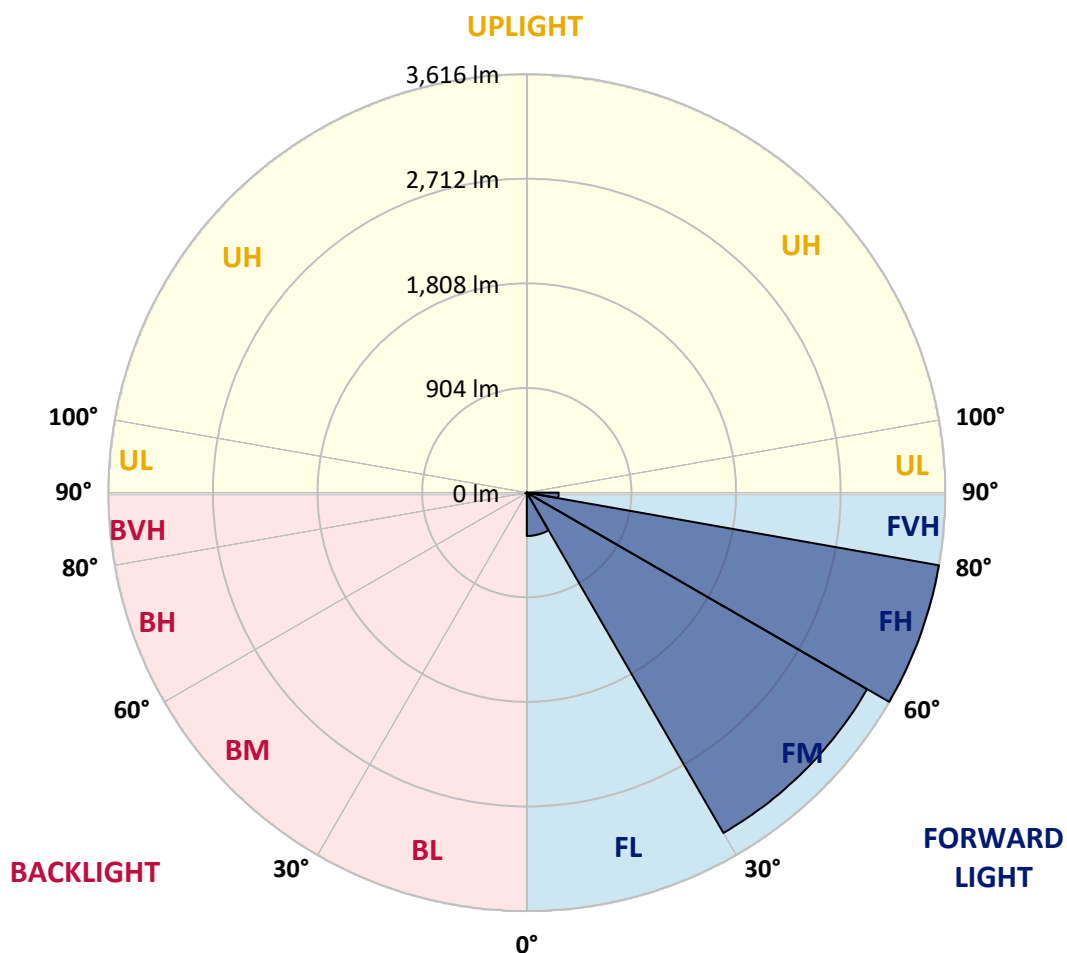
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	374.6	4.9			
FM	(30°-60°)	3395.2	44.2			
FH	(60°-80°)	3615.7	47.0			G2/5000
FVH	(80°-90°)	275.2	3.6			G3/500
BL	(0°-30°)	6.6	0.1	B0/110		
BM	(30°-60°)	6.3	0.1	B0/220		
BH	(60°-80°)	13.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.2	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
2.5°	48.4	48.4	48.4	46.8	46.8	46.3	45.8	45.8	44.8	44.2	43.2
5°	73.4	71.8	68.2	66.1	61.9	59.3	56.7	53.1	49.4	46.8	43.7
7.5°	166.0	169.7	157.7	135.3	112.4	102.5	85.9	69.2	57.2	49.4	44.2
10°	423.1	421.0	380.4	335.7	259.2	228.5	179.0	112.9	73.9	54.1	44.8
12.5°	719.8	717.7	669.8	608.9	508.0	443.9	350.3	210.8	106.2	61.4	44.8
15°	969.1	960.7	945.7	885.3	767.1	713.5	589.7	372.6	171.7	73.9	45.8
17.5°	1134.1	1126.8	1112.7	1090.9	1015.9	952.4	853.0	585.5	277.9	95.8	47.9
20°	1285.5	1280.3	1268.9	1264.7	1216.3	1182.5	1100.2	830.1	433.0	130.1	51.0
22.5°	1493.7	1482.8	1487.4	1462.5	1415.1	1374.5	1324.0	1086.2	622.5	187.4	56.7
25°	1748.7	1743.5	1730.5	1712.8	1647.2	1611.8	1534.3	1327.7	834.3	262.3	63.0
27.5°	2056.8	2051.1	2048.0	2007.4	1931.9	1893.4	1785.1	1555.6	1072.6	367.4	71.3
30°	2411.8	2414.4	2394.1	2342.0	2254.1	2199.9	2088.6	1794.5	1316.7	490.8	80.1
32.5°	2779.2	2774.0	2742.8	2681.3	2602.8	2552.3	2410.7	2056.3	1572.8	653.7	90.6
35°	3175.3	3165.4	3083.1	3012.9	2945.7	2882.2	2753.2	2360.2	1828.9	836.4	104.6
37.5°	3575.0	3528.6	3363.7	3274.7	3228.3	3176.3	3056.1	2684.5	2083.4	1040.4	121.8
40°	3876.8	3840.9	3645.2	3481.3	3444.3	3400.1	3310.6	2964.5	2354.0	1259.5	142.6
42.5°	4043.9	4024.1	3848.2	3686.3	3599.4	3560.4	3483.9	3209.1	2621.5	1501.5	172.8
45°	4115.2	4084.5	3966.9	3891.4	3752.9	3688.4	3597.3	3393.8	2901.0	1776.3	214.9
47.5°	4093.3	4075.6	3991.3	4018.9	3918.4	3818.0	3684.2	3535.4	3139.9	2091.7	272.7
50°	3955.9	3940.8	3914.8	4064.2	4051.7	3933.0	3796.7	3647.3	3335.0	2417.0	362.2
52.5°	3694.7	3688.4	3755.0	4028.8	4127.1	4034.5	3904.9	3746.2	3517.2	2756.8	490.3
55°	3357.9	3383.4	3573.9	3973.6	4165.7	4109.5	4000.7	3838.8	3663.4	3060.8	679.2
57.5°	3219.5	3226.3	3464.1	3934.6	4182.8	4175.6	4093.8	3927.3	3797.7	3303.8	967.5
60°	3381.3	3370.9	3496.4	3964.2	4217.2	4234.9	4176.6	4009.5	3914.3	3512.5	1351.6
62.5°	3673.8	3668.1	3708.2	4090.7	4317.6	4353.5	4291.6	4068.9	4017.3	3649.9	1789.8
65°	3935.1	3923.1	3997.6	4315.0	4494.1	4519.6	4465.4	4170.3	4062.6	3749.8	2201.5
67.5°	4048.0	4045.4	4165.1	4528.4	4679.3	4706.9	4659.6	4310.3	4052.2	3781.6	2383.1
70°	3996.5	3986.6	4178.2	4619.0	4784.0	4815.2	4769.4	4362.4	3939.3	3681.1	2114.1
71°	3939.8	3913.2	4139.1	4612.7	4798.5	4825.1	4744.9	4315.0	3825.8	3538.5	1870.0
72.5°	3763.9	3768.6	4031.9	4547.7	4763.7	4755.8	4606.5	4145.4	3688.9	3214.8	1502.0
75°	3330.9	3358.4	3684.8	4274.4	4452.4	4353.0	4124.5	3821.1	3414.1	2305.1	1043.0
77.5°	2721.9	2763.1	3121.6	3748.8	3698.3	3688.4	3679.0	3366.8	2915.5	1238.1	725.5
80°	1299.6	1388.6	1883.0	2676.1	2907.2	3019.1	2948.9	2713.1	2254.6	589.7	433.5
82.5°	84.8	83.8	118.7	224.8	947.7	1225.1	1946.5	1939.2	1571.8	287.3	177.0
85°	40.1	41.1	45.3	51.5	59.9	65.6	90.6	530.9	752.0	136.9	38.5
87.5°	23.4	23.9	28.1	35.9	46.8	52.0	61.9	79.6	97.8	75.5	8.3
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
2.5°	42.7	42.2	40.6	39.0	37.5	36.4	35.9	36.4	36.4	37.0	37.0
5°	42.7	41.1	38.5	35.4	33.3	31.2	30.2	29.7	30.2	30.2	30.2
7.5°	42.2	39.6	35.9	32.3	29.7	27.1	26.0	25.5	25.5	26.0	26.0
10°	41.1	38.5	33.8	29.7	26.5	23.4	21.9	20.3	20.3	20.3	20.8
12.5°	40.6	37.0	31.2	27.1	22.9	19.3	16.1	14.6	15.1	15.1	15.1
15°	39.6	35.4	29.7	24.5	19.3	14.6	12.0	10.4	10.9	11.4	10.9
17.5°	39.6	34.9	27.6	21.3	15.1	10.9	8.8	7.8	7.8	8.3	8.3
20°	39.6	33.8	26.0	18.2	11.4	8.3	6.2	5.7	5.7	6.8	7.3
22.5°	40.6	33.8	23.9	15.1	9.4	6.2	4.7	4.2	4.7	5.7	6.2
25°	42.2	33.3	21.9	13.5	7.8	4.7	3.6	2.6	3.1	4.2	4.7
27.5°	43.7	32.8	19.8	12.0	6.2	3.6	2.6	2.1	1.6	2.1	2.1
30°	45.3	32.8	17.7	9.9	5.2	2.6	1.6	1.0	0.5	0.0	0.0
32.5°	46.3	31.7	16.1	7.8	4.2	2.1	1.0	0.5	0.0	0.0	0.0
35°	47.4	30.7	14.1	6.2	3.1	1.6	0.5	0.0	0.0	0.0	0.0
37.5°	48.4	29.1	12.0	5.2	2.6	1.0	0.0	0.0	0.0	0.0	0.0
40°	49.4	27.1	9.9	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	50.5	25.5	8.3	3.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	53.1	24.5	6.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	57.8	23.4	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	64.5	22.4	5.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	73.9	21.9	5.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	90.6	21.3	4.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	119.2	20.8	4.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	182.7	19.8	4.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	326.3	19.3	4.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	568.8	19.8	4.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	815.5	20.8	3.6	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	697.9	18.2	3.6	2.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0
71°	568.8	16.1	3.6	2.1	1.0	0.5	0.5	0.0	0.0	0.0	0.0
72.5°	365.9	12.5	3.1	2.1	1.0	1.0	0.5	0.0	0.0	0.0	0.0
75°	154.6	10.4	3.1	2.1	1.6	1.0	1.0	0.5	0.0	0.0	0.0
77.5°	66.1	7.8	3.1	2.6	2.1	1.6	1.6	1.0	0.5	0.0	0.0
80°	25.0	6.2	3.6	3.1	2.6	2.6	2.1	1.0	0.5	0.0	0.0
82.5°	11.4	5.2	3.6	3.1	3.1	2.6	2.1	1.6	1.0	0.0	0.0
85°	7.3	4.7	3.6	3.1	3.1	2.6	2.6	1.6	1.0	0.0	0.0
87.5°	5.7	4.7	3.6	3.6	3.1	3.1	2.1	1.6	0.5	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: SP1-2407-184-14

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-930-U-5WQ

Data in this report applies to families of products including GSS-SB1A-930-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-14
 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-930-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2993
 CIE u' : 0.2501
 CIE v' : 0.5245
 Duv: 0.0021
 CIE x: 0.4406
 CIE y: 0.4107
 CIE z: 0.1487
 Peak Wavelength (nm): 621
 Dominant Wavelength (nm): 582
 Purity: 55.53327
 R_f: 92.6
 R_g: 98.5

CRI (Ra): 92.4
 R1: 92.2
 R2: 95.2
 R3: 97.0
 R4: 93.1
 R5: 91.7
 R6: 94.2
 R7: 93.3
 R8: 82.3
 R9: 58.2
 R10: 87.7
 R11: 93.5
 R12: 81.7
 R13: 92.9
 R14: 97.6
 R15: 88.1



Test Conditions

Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

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 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

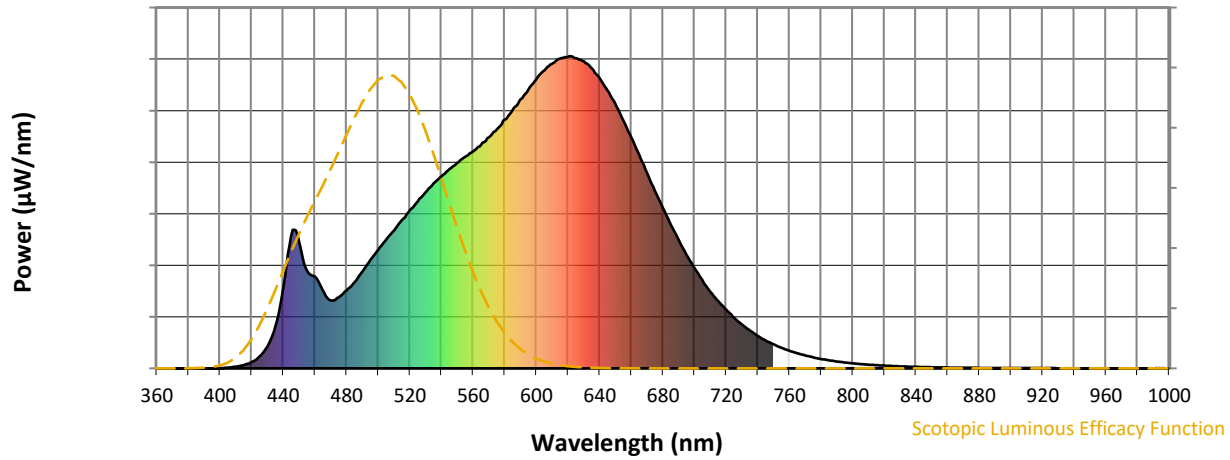


Photopic Lumens: NR

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



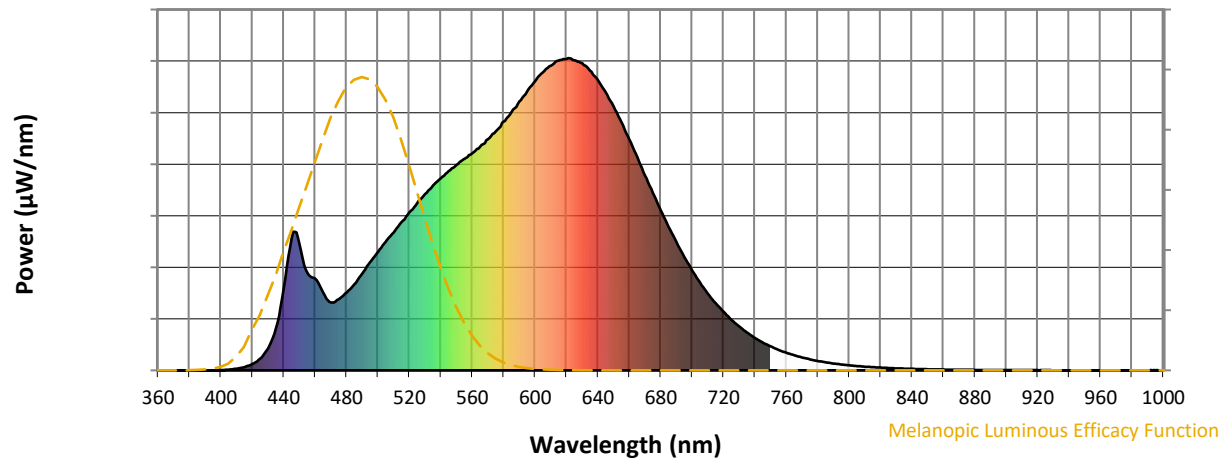
Scotopic Lumens: NR

S/P: 1.39

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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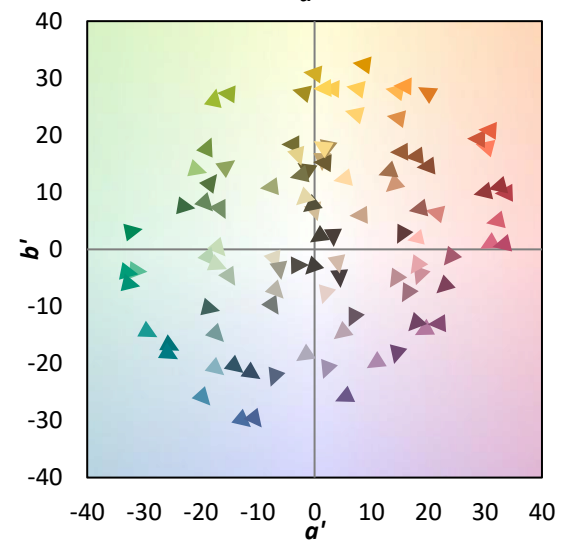
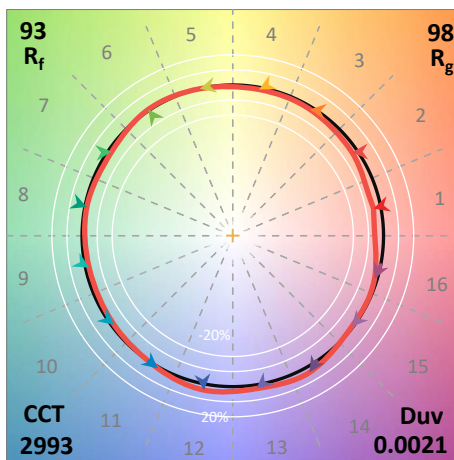
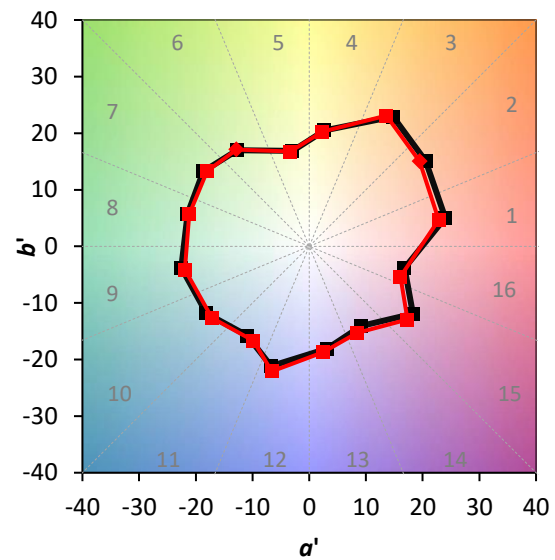
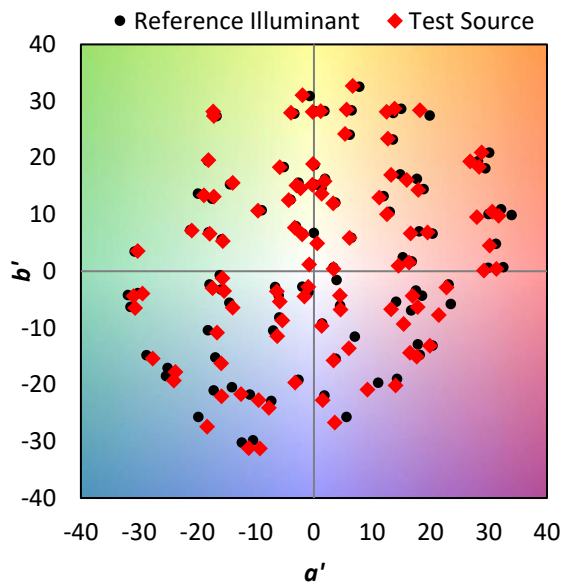
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $CIE R_a = 92.4$
 $R_9 = 58.2$

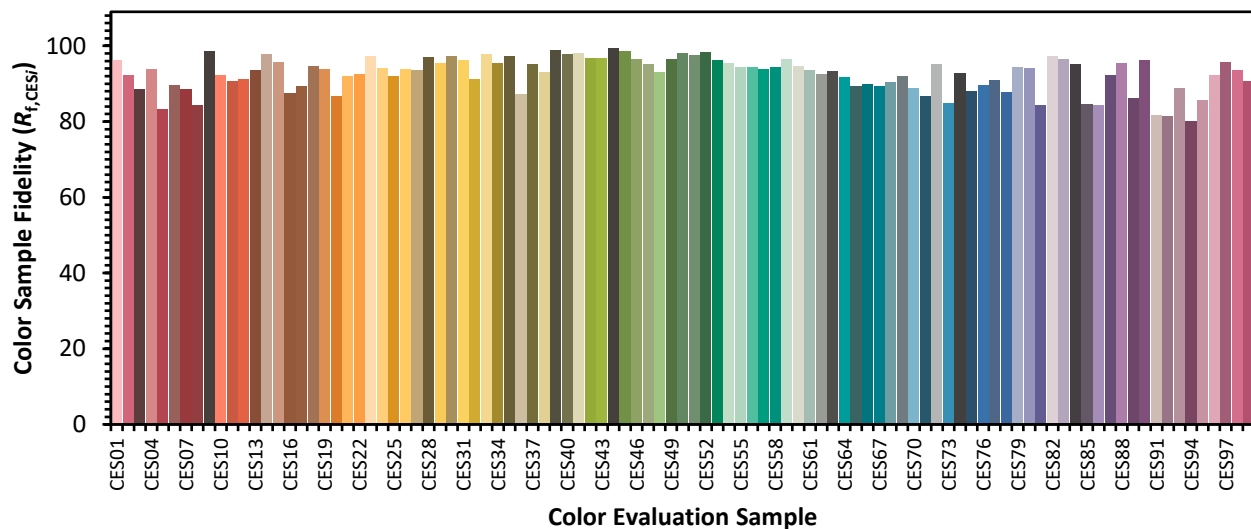


Color Vector Graphics



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

CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 42	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 97	CES60 = 95	CES85 = 85
CES11 = 59	CES36 = 87	CES61 = 94	CES86 = 84
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 93	CES63 = 93	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 90	CES91 = 82
CES17 = 50	CES42 = 97	CES67 = 89	CES92 = 81
CES18 = 57	CES43 = 97	CES68 = 90	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 80
CES20 = 67	CES45 = 99	CES70 = 89	CES95 = 86
CES21 = 86	CES46 = 96	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 97	CES74 = 93	CES99 = 91
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)