

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: P1048847

Luminaire Tested: **GALN-SA9C-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048847
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9C-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 9xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (126) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39538.5 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 417.1
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

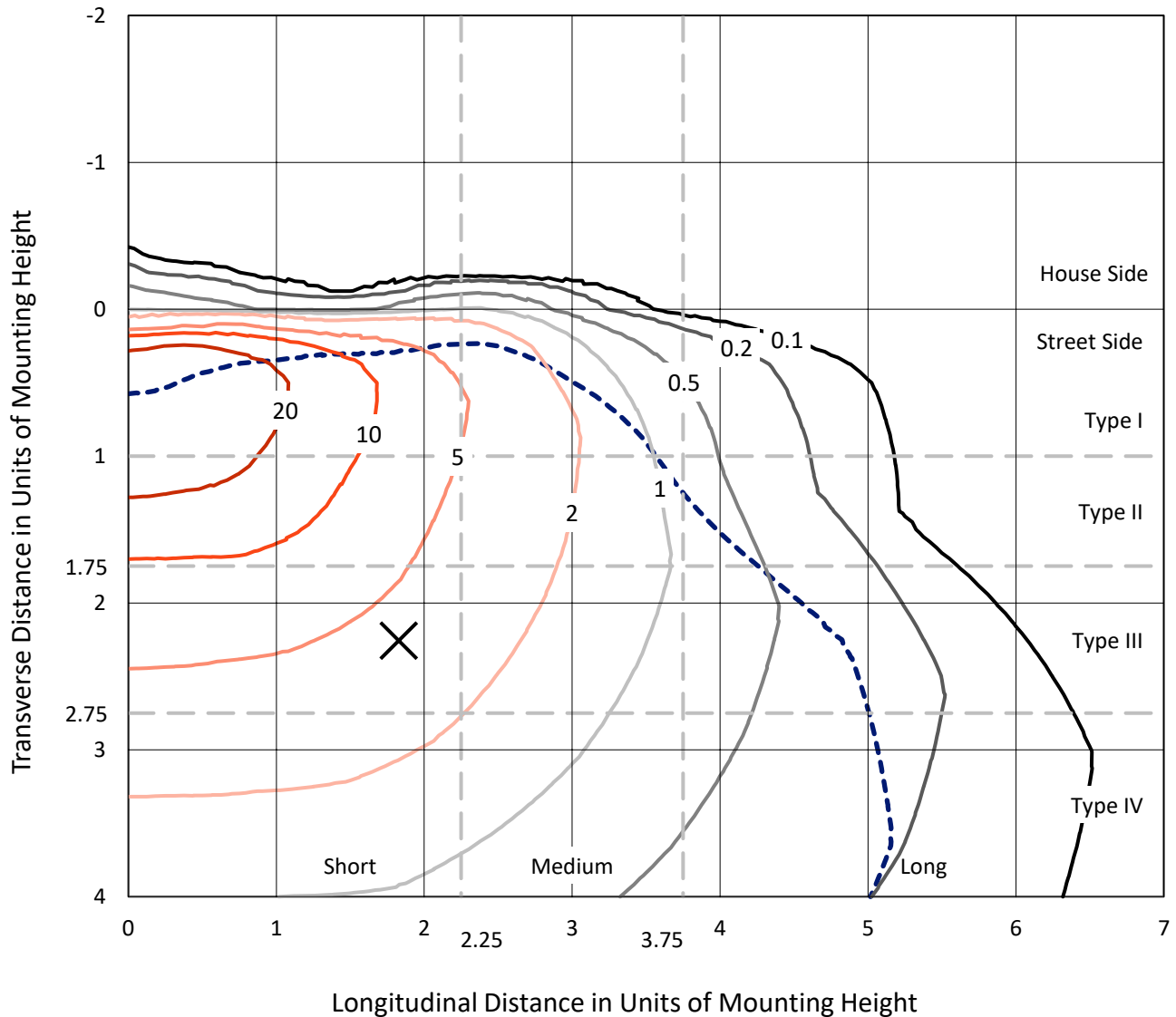


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CATALOG NUMBER: GALN-SA9C-950-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

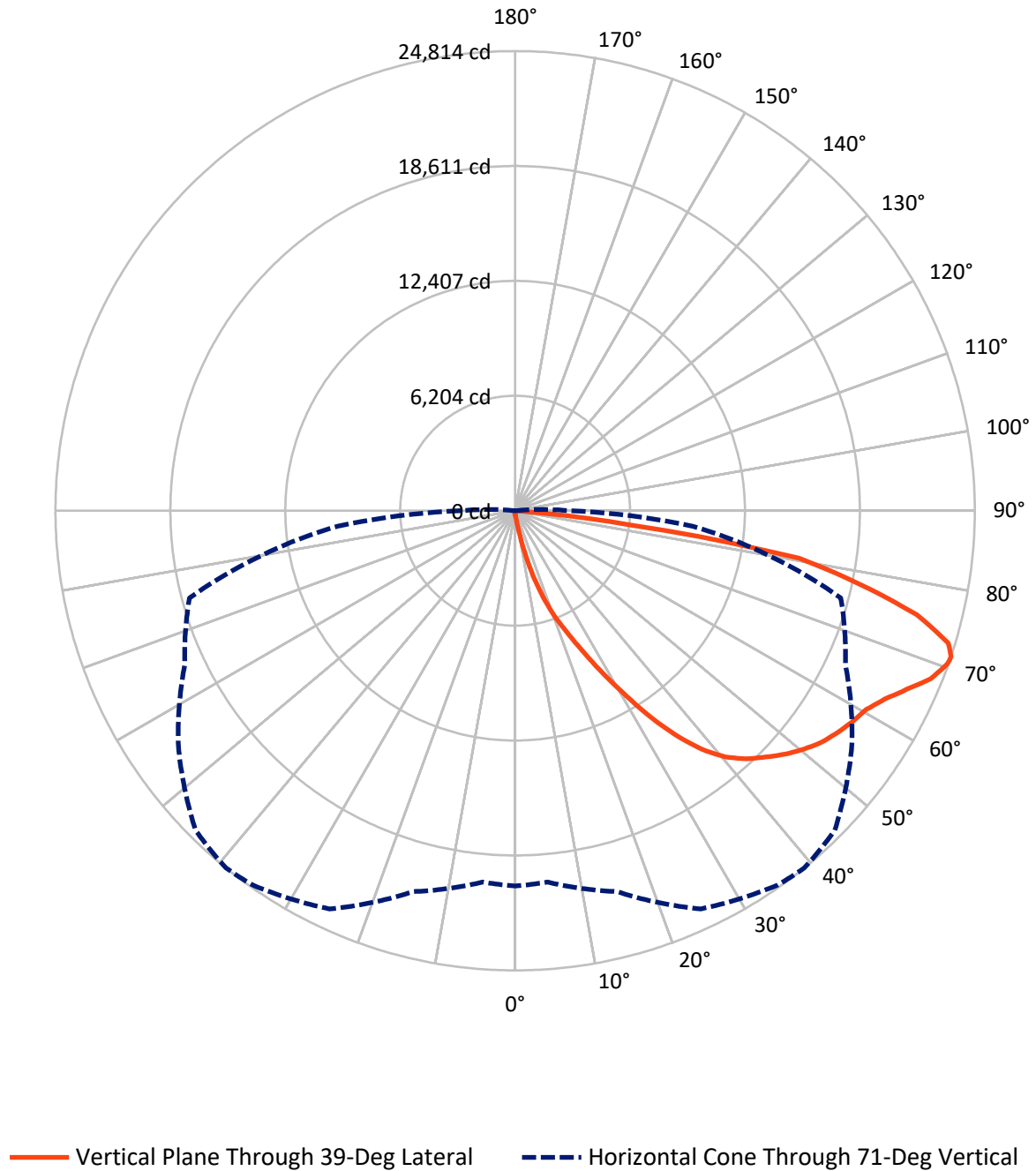


Based on 15 foot mounting height. Maximum calculated value = 40.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	140.5	0.0	140.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	39398.0	0.0	39398.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	39538.5	0.0	39538.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	0.1
10°-20°	422.6	1.1
20°-30°	1504.9	3.8
30°-40°	3627.0	9.2
40°-50°	6070.1	15.4
50°-60°	7796.3	19.7
60°-70°	9866.3	25.0
70°-80°	8796.2	22.2
80°-90°	1421.9	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°	39538.5	100.0
0°-180°	39538.5	100.0



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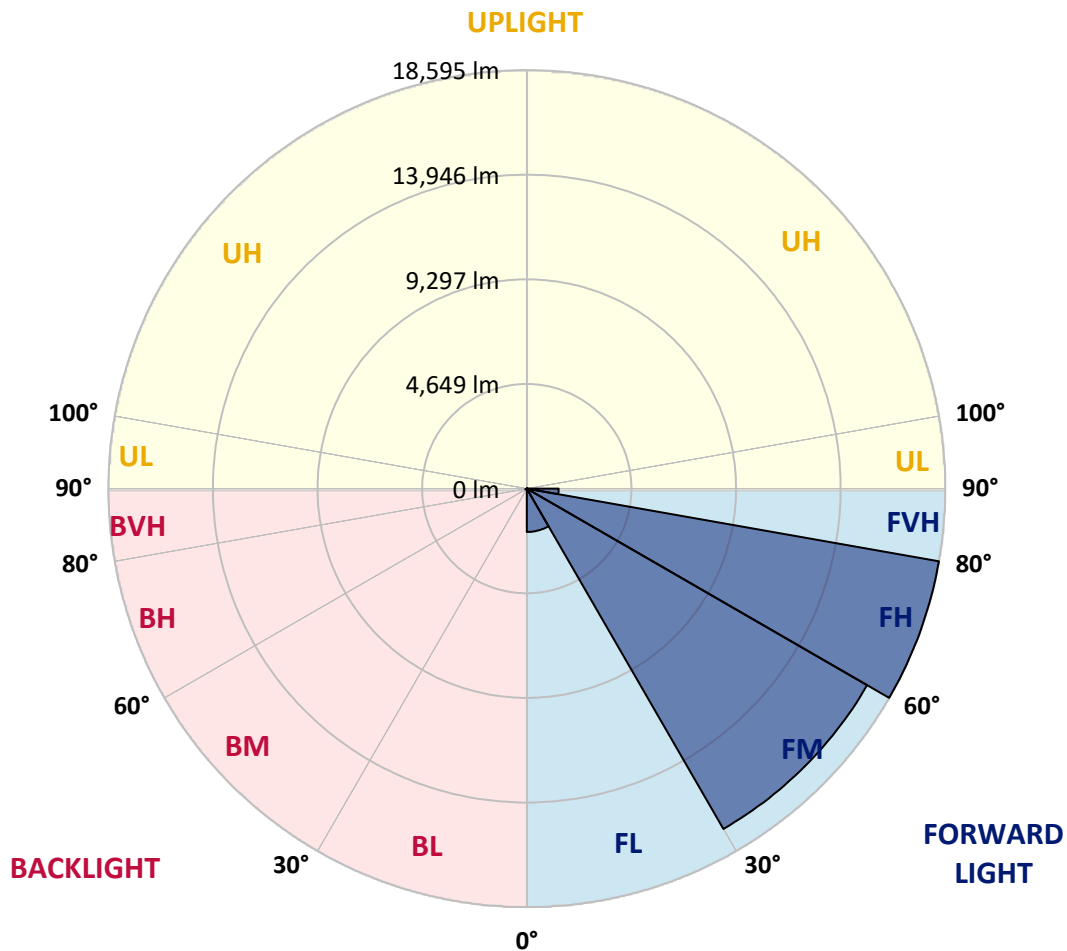
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1926.6	4.9			
FM	(30°-60°)	17461.0	44.2			
FH	(60°-80°)	18595.0	47.0			G5
FVH	(80°-90°)	1415.4	3.6			G5
BL	(0°-30°)	34.0	0.1	B0/110		
BM	(30°-60°)	32.5	0.1	B0/220		
BH	(60°-80°)	67.6	0.2	B0/110		G0/110
BVH	(80°-90°)	6.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8
2.5°	248.9	248.9	248.9	240.9	240.9	238.2	235.5	235.5	230.2	227.5	222.2
5°	377.4	369.4	350.6	339.9	318.5	305.1	291.7	273.0	254.3	240.9	224.8
7.5°	853.8	872.6	811.0	695.9	578.1	527.3	441.6	356.0	294.4	254.3	227.5
10°	2176.0	2165.3	1956.6	1726.4	1332.9	1175.0	920.7	580.8	380.1	278.4	230.2
12.5°	3701.7	3691.0	3444.7	3131.6	2612.3	2283.1	1801.3	1084.0	546.0	315.8	230.2
15°	4983.7	4940.9	4863.3	4552.8	3945.2	3669.5	3032.5	1916.4	883.3	380.1	235.5
17.5°	5832.2	5794.7	5722.4	5610.0	5224.6	4898.1	4386.9	3011.1	1429.3	492.5	246.2
20°	6611.1	6584.3	6525.4	6504.0	6255.1	6081.1	5658.2	4269.1	2226.9	669.1	262.3
22.5°	7681.7	7625.5	7649.6	7521.1	7277.5	7068.7	6809.1	5585.9	3201.1	963.6	291.7
25°	8993.2	8966.4	8899.5	8808.5	8471.3	8289.3	7890.4	6827.9	4290.5	1349.0	323.9
27.5°	10577.7	10548.3	10532.2	10323.4	9935.3	9737.3	9180.5	8000.2	5516.4	1889.6	366.7
30°	12403.1	12416.5	12312.1	12044.4	11592.1	11313.7	10741.0	9228.7	6771.7	2524.0	412.2
32.5°	14292.7	14266.0	14105.4	13789.5	13385.4	13125.8	12397.7	10575.0	8088.5	3361.7	465.7
35°	16329.6	16278.7	15855.8	15494.5	15149.2	14822.7	14158.9	12138.1	9405.4	4301.2	538.0
37.5°	18385.2	18147.0	17298.5	16840.8	16602.6	16334.9	15716.7	13805.6	10714.2	5350.4	626.3
40°	19937.6	19752.9	18746.5	17903.4	17713.4	17485.9	17025.5	15245.6	12106.0	6477.2	733.4
42.5°	20796.7	20695.0	19790.4	18957.9	18511.0	18310.2	17916.8	16503.6	13481.7	7721.8	888.6
45°	21163.4	21005.5	20400.6	20012.5	19300.5	18968.7	18500.3	17453.7	14919.0	9135.0	1105.4
47.5°	21051.0	20960.0	20526.4	20668.3	20151.7	19635.1	18947.2	18181.8	16147.6	10757.0	1402.5
50°	20344.4	20266.8	20133.0	20901.1	20836.9	20226.6	19525.4	18757.2	17151.3	12429.9	1862.9
52.5°	19000.8	18968.7	19311.3	20719.1	21225.0	20748.6	20082.1	19265.8	18088.1	14177.6	2521.3
55°	17269.1	17400.2	18379.8	20435.4	21423.0	21134.0	20574.6	19742.2	18840.2	15740.7	3492.9
57.5°	16557.1	16591.9	17815.1	20234.7	21511.4	21473.9	21053.7	20197.2	19530.7	16990.7	4975.7
60°	17389.5	17336.0	17981.0	20387.2	21688.0	21779.0	21479.3	20620.1	20130.3	18064.0	6951.0
62.5°	18893.7	18864.3	19070.4	21037.6	22204.6	22389.3	22070.8	20925.2	20660.2	18770.6	9204.6
65°	20237.3	20175.8	20558.5	22191.2	23111.9	23243.1	22964.7	21447.1	20893.1	19284.5	11321.8
67.5°	20818.1	20804.8	21420.4	23288.6	24064.8	24206.6	23963.1	22167.1	20839.6	19447.8	12255.9
70°	20553.2	20502.3	21487.3	23754.3	24602.8	24763.4	24527.8	22434.8	20258.7	18931.2	10872.1
71°	20261.4	20124.9	21286.5	23722.2	24677.7	24814.2	24402.0	22191.2	19675.3	18197.8	9616.8
72.5°	19356.8	19380.8	20735.2	23387.6	24498.4	24458.2	23690.1	21318.7	18971.3	16533.0	7724.5
75°	17129.9	17271.7	18949.9	21982.4	22897.8	22386.6	21211.6	19651.2	17558.1	11854.4	5363.8
77.5°	13998.3	14209.8	16053.9	19279.1	19019.5	18968.7	18920.5	17314.6	14994.0	6367.5	3731.1
80°	6683.3	7141.0	9683.7	13762.8	14951.2	15526.6	15165.3	13952.8	11594.8	3032.5	2229.6
82.5°	436.3	430.9	610.3	1156.3	4874.0	6300.6	10010.3	9972.8	8083.2	1477.5	910.0
85°	206.1	211.4	232.9	265.0	307.8	337.2	465.7	2730.1	3867.6	703.9	198.1
87.5°	120.4	123.1	144.5	184.7	240.9	267.7	318.5	409.5	503.2	388.1	42.8
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-SA9C-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8
2.5°	219.5	216.8	208.8	200.7	192.7	187.4	184.7	187.4	187.4	190.0	190.0
5°	219.5	211.4	198.1	182.0	171.3	160.6	155.2	152.6	155.2	155.2	155.2
7.5°	216.8	203.4	184.7	165.9	152.6	139.2	133.8	131.2	131.2	133.8	133.8
10°	211.4	198.1	174.0	152.6	136.5	120.4	112.4	104.4	104.4	104.4	107.1
12.5°	208.8	190.0	160.6	139.2	117.8	99.0	83.0	74.9	77.6	77.6	77.6
15°	203.4	182.0	152.6	125.8	99.0	74.9	61.6	53.5	56.2	58.9	56.2
17.5°	203.4	179.3	141.9	109.7	77.6	56.2	45.5	40.1	40.1	42.8	42.8
20°	203.4	174.0	133.8	93.7	58.9	42.8	32.1	29.4	29.4	34.8	37.5
22.5°	208.8	174.0	123.1	77.6	48.2	32.1	24.1	21.4	24.1	29.4	32.1
25°	216.8	171.3	112.4	69.6	40.1	24.1	18.7	13.4	16.1	21.4	24.1
27.5°	224.8	168.6	101.7	61.6	32.1	18.7	13.4	10.7	8.0	10.7	10.7
30°	232.9	168.6	91.0	50.9	26.8	13.4	8.0	5.4	2.7	0.0	0.0
32.5°	238.2	163.3	83.0	40.1	21.4	10.7	5.4	2.7	0.0	0.0	0.0
35°	243.6	157.9	72.3	32.1	16.1	8.0	2.7	0.0	0.0	0.0	0.0
37.5°	248.9	149.9	61.6	26.8	13.4	5.4	0.0	0.0	0.0	0.0	0.0
40°	254.3	139.2	50.9	24.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	259.6	131.2	42.8	18.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	273.0	125.8	34.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	297.1	120.4	32.1	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	331.9	115.1	29.4	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	380.1	112.4	26.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	465.7	109.7	24.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	612.9	107.1	24.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	939.5	101.7	24.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1678.2	99.0	21.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2925.5	101.7	21.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4194.1	107.1	18.7	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	3589.2	93.7	18.7	10.7	5.4	2.7	0.0	0.0	0.0	0.0	0.0
71°	2925.5	83.0	18.7	10.7	5.4	2.7	2.7	0.0	0.0	0.0	0.0
72.5°	1881.6	64.2	16.1	10.7	5.4	5.4	2.7	0.0	0.0	0.0	0.0
75°	794.9	53.5	16.1	10.7	8.0	5.4	5.4	2.7	0.0	0.0	0.0
77.5°	339.9	40.1	16.1	13.4	10.7	8.0	8.0	5.4	2.7	0.0	0.0
80°	128.5	32.1	18.7	16.1	13.4	13.4	10.7	5.4	2.7	0.0	0.0
82.5°	58.9	26.8	18.7	16.1	16.1	13.4	10.7	8.0	5.4	0.0	0.0
85°	37.5	24.1	18.7	16.1	16.1	13.4	13.4	8.0	5.4	0.0	0.0
87.5°	29.4	24.1	18.7	18.7	16.1	16.1	10.7	8.0	2.7	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: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 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-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4765
 CIE u' : 0.2105
 CIE v' : 0.4941
 Duv: 0.0052
 CIE x: 0.3536
 CIE y: 0.3689
 CIE z: 0.2775
 Peak Wavelength (nm): 449
 Dominant Wavelength (nm): 571
 Purity: 16.80041
 R_f: 90.7
 R_g: 98

CRI (Ra): 90.8
 R1: 89.8
 R2: 93.1
 R3: 95.3
 R4: 90.3
 R5: 89.0
 R6: 89.7
 R7: 94.9
 R8: 84.0
 R9: 54.9
 R10: 83.0
 R11: 89.6
 R12: 68.0
 R13: 90.6
 R14: 97.3
 R15: 86.2



Test Conditions

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

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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 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

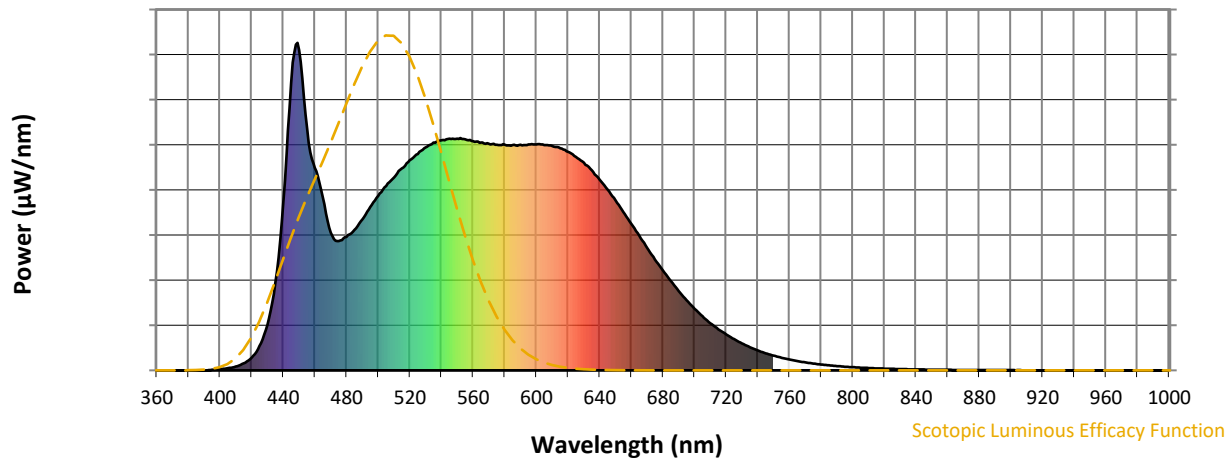


Photopic Lumens: NR

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



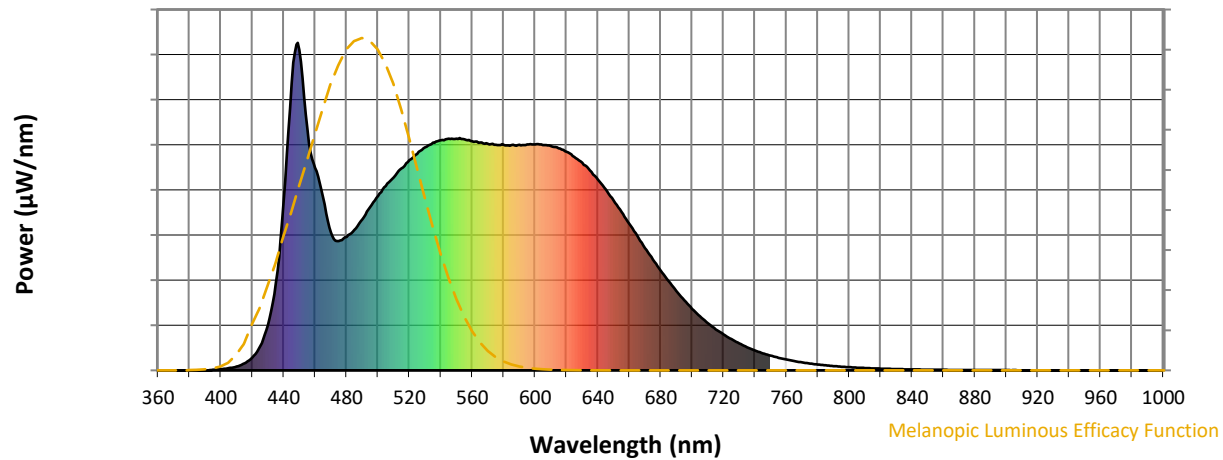
Scotopic Lumens: NR

S/P: 1.99

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 4.22

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 90.7$
 $R_g = 98$
 CIE $R_a = 90.8$
 $R_9 = 54.9$

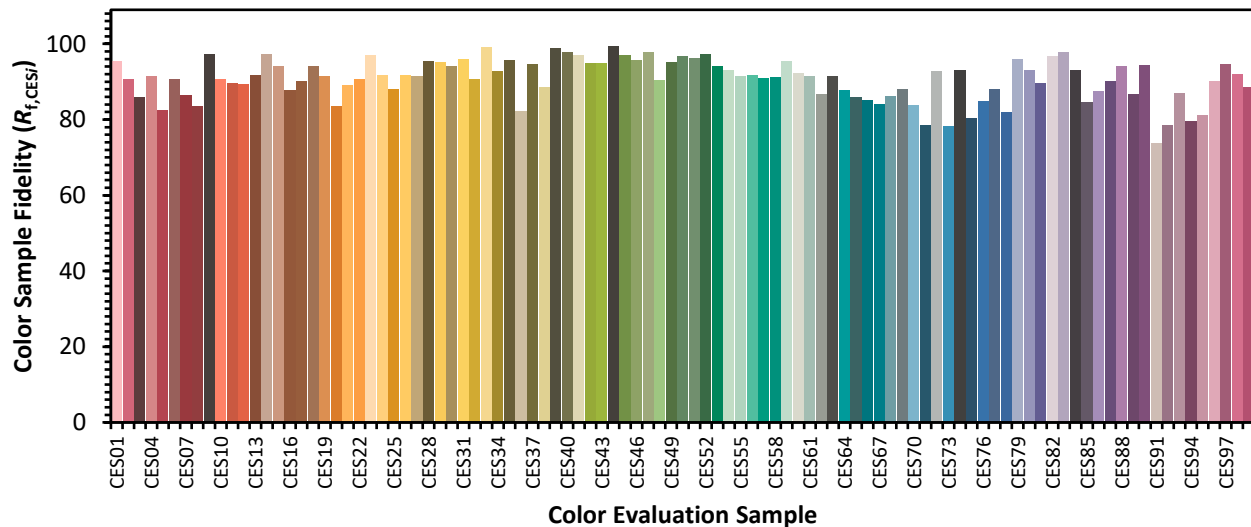


Color Vector Graphics

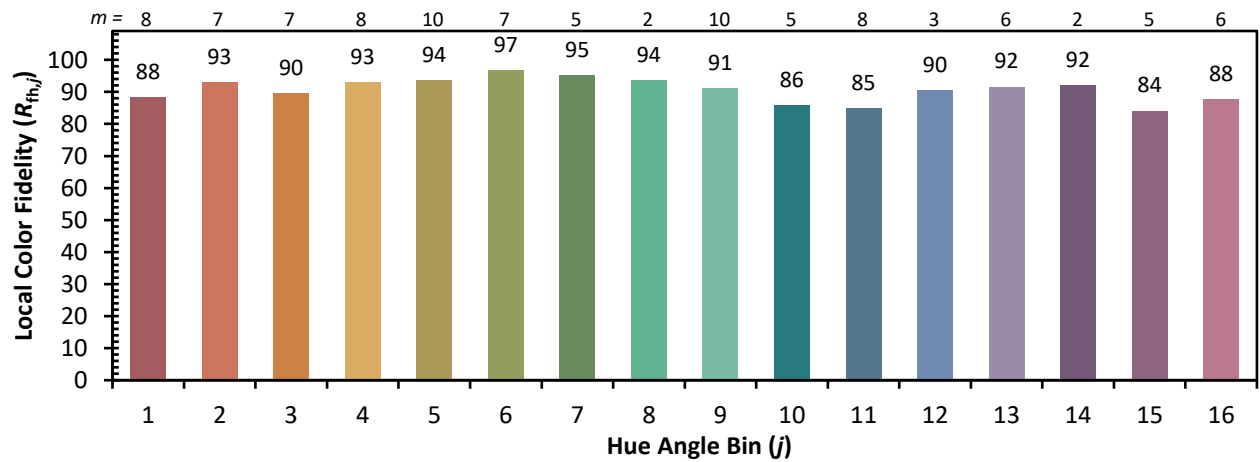
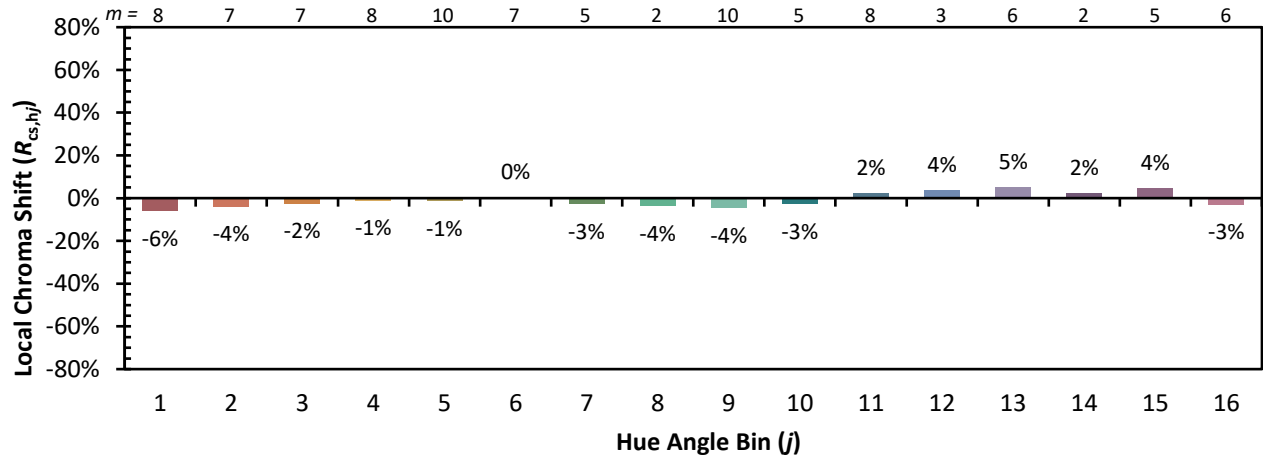


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)