

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: LUMARK

Report Number: P1067405

Luminaire Tested: **NAV-SA5A-740-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067405
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5A-740-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17706.5 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 137.4
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



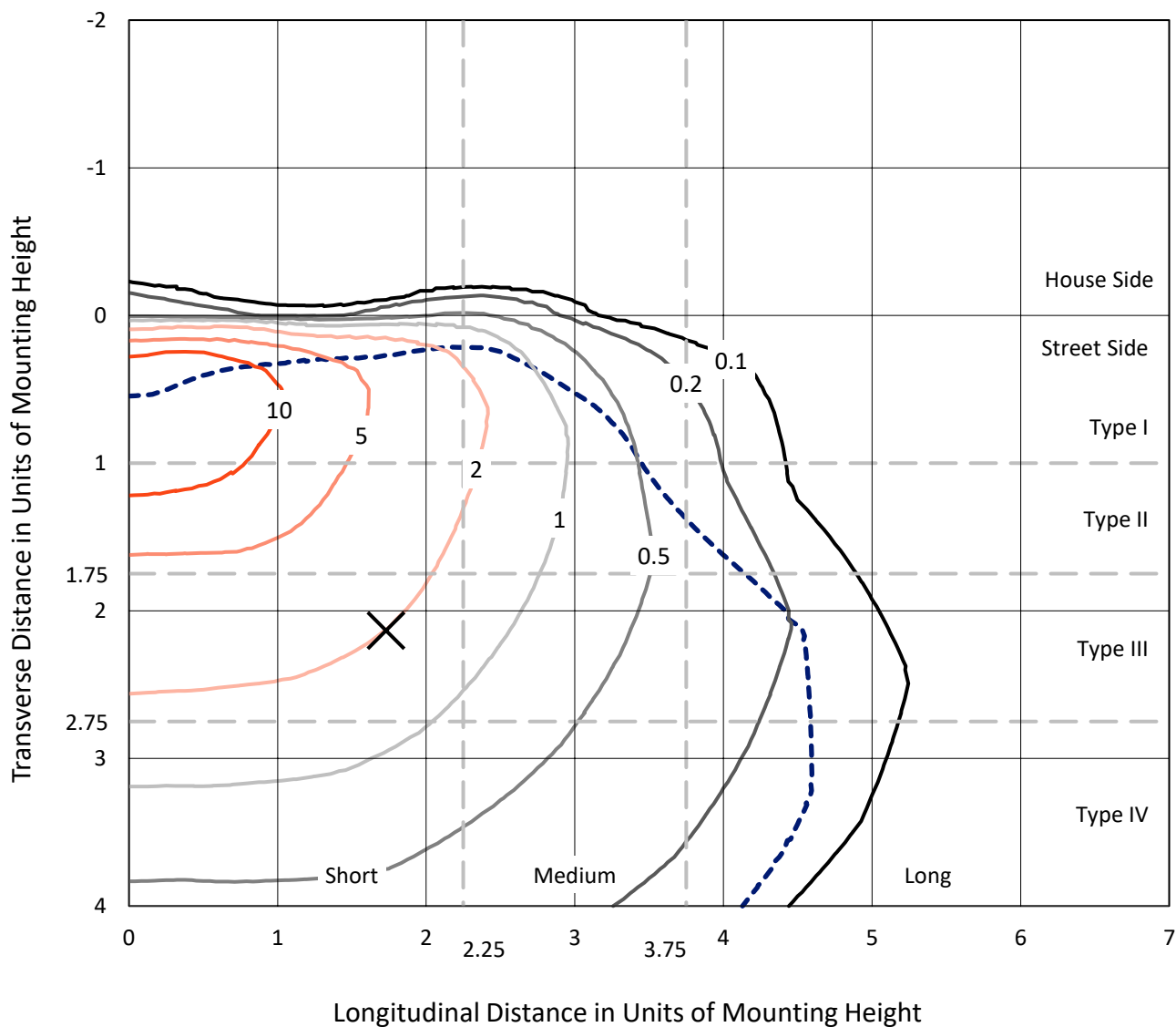
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

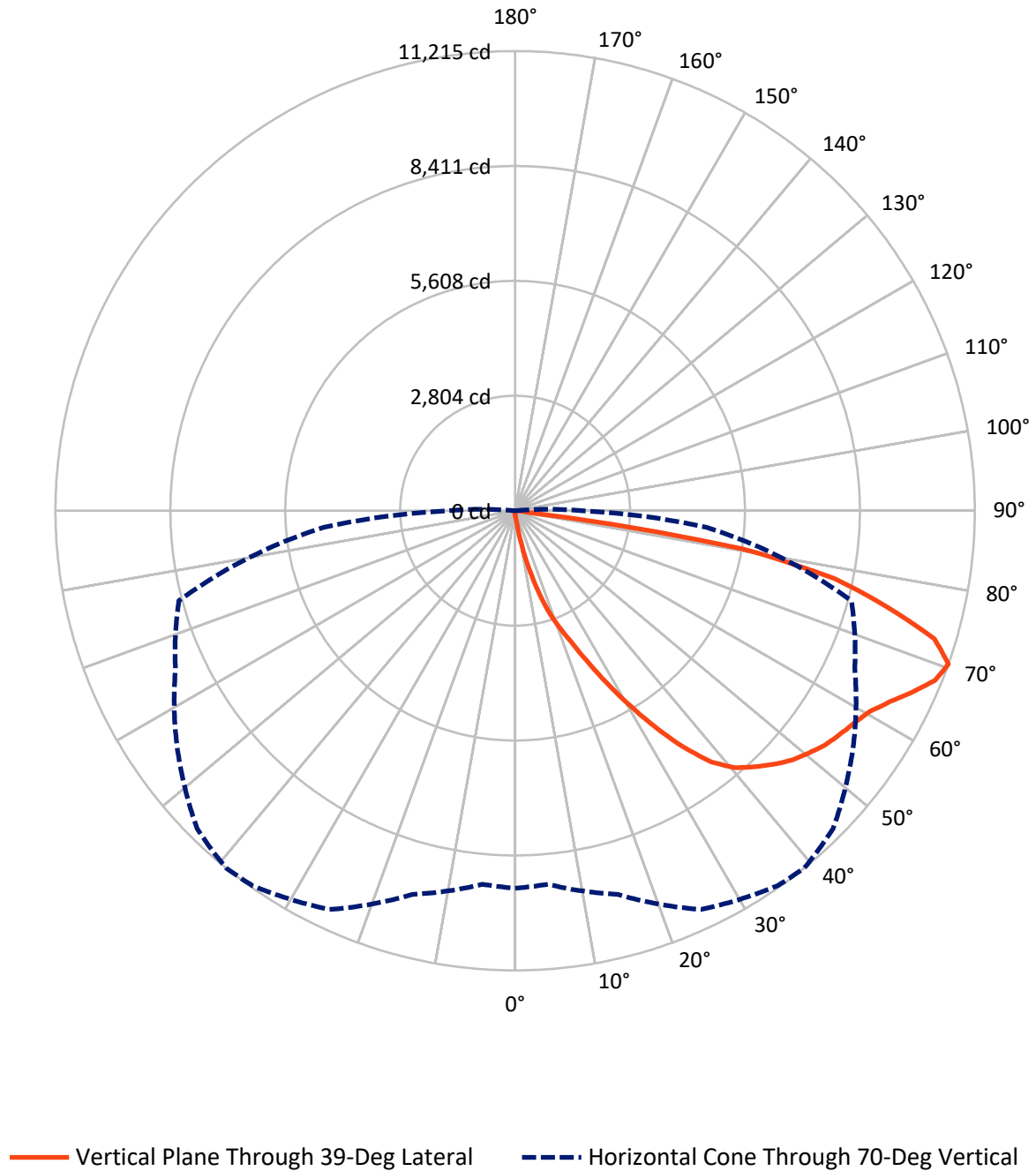


Based on 15 foot mounting height. Maximum calculated value = 19.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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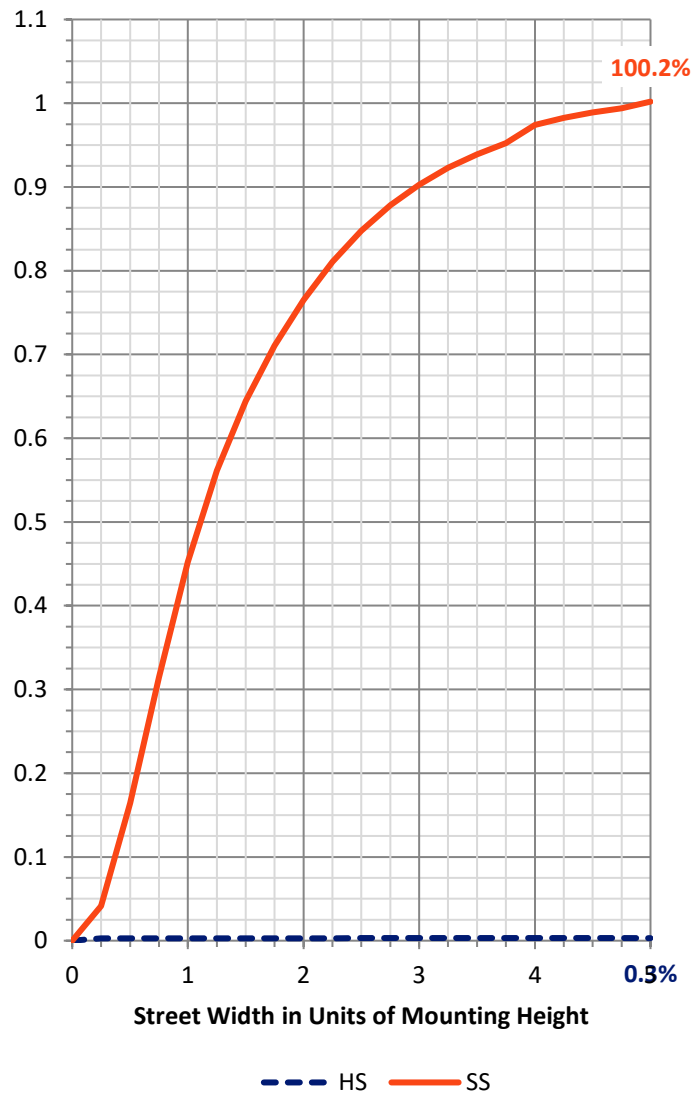
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	54.5	0.0	54.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	17652.0	0.0	17652.0
	% Fixture	99.7	0.0	99.7
Total	Lumens	17706.5	0.0	17706.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	0.1
10°-20°	217.7	1.2
20°-30°	738.7	4.2
30°-40°	1736.1	9.8
40°-50°	2819.0	15.9
50°-60°	3572.2	20.2
60°-70°	4537.7	25.6
70°-80°	3686.9	20.8
80°-90°	379.6	2.1
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°	17706.5	100.0
0°-180°	17706.5	100.0



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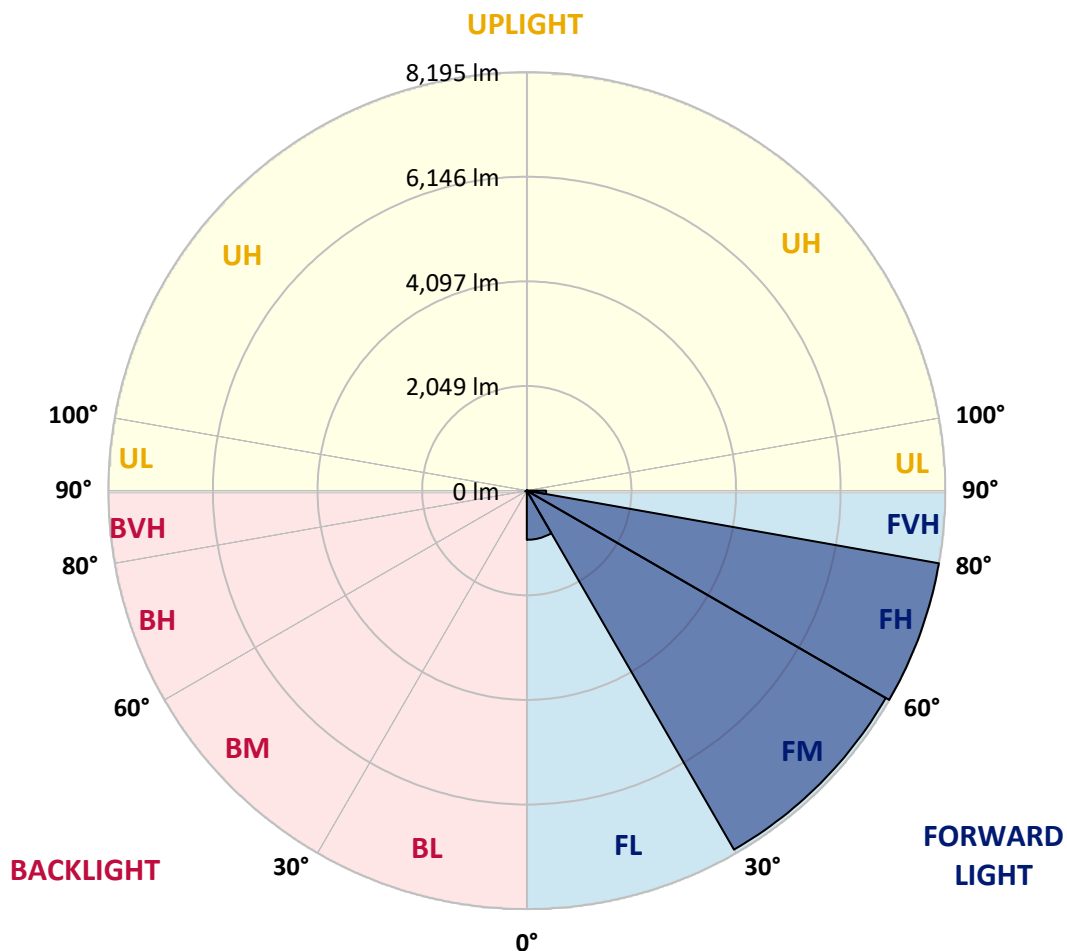
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	963.2	5.4			
FM	(30°-60°)	8116.8	45.8			
FH	(60°-80°)	8194.6	46.3			G4/12000
FVH	(80°-90°)	377.3	2.1			G3/500
BL	(0°-30°)	11.8	0.1	B0/110		
BM	(30°-60°)	10.5	0.1	B0/220		
BH	(60°-80°)	30.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
2.5°	125.0	125.0	125.0	120.2	120.2	115.4	115.4	110.6	105.8	105.8	101.0
5°	235.6	240.4	225.9	197.1	177.9	168.3	158.6	134.6	120.2	110.6	101.0
7.5°	644.2	624.9	596.1	500.0	384.6	326.9	278.8	197.1	144.2	115.4	101.0
10°	1355.6	1302.8	1221.0	1091.2	865.3	774.0	600.9	360.5	201.9	129.8	101.0
12.5°	1990.2	1999.8	1898.9	1773.9	1499.9	1346.0	1110.5	677.8	317.3	153.8	101.0
15°	2470.9	2461.3	2422.9	2321.9	2076.7	1927.7	1716.2	1139.3	533.6	192.3	105.8
17.5°	2850.7	2812.2	2797.8	2754.6	2595.9	2514.2	2283.4	1677.7	846.1	259.6	110.6
20°	3230.5	3220.9	3206.4	3158.4	3052.6	2994.9	2817.1	2221.0	1259.5	370.2	120.2
22.5°	3783.3	3730.4	3740.0	3634.3	3547.8	3446.8	3302.6	2797.8	1735.4	528.8	134.6
25°	4432.3	4427.5	4350.6	4302.5	4158.3	4047.7	3855.4	3355.5	2264.2	764.4	149.0
27.5°	5196.6	5143.8	5110.1	5028.4	4879.4	4754.4	4490.0	3908.3	2836.3	1028.8	168.3
30°	5994.6	5994.6	5932.2	5807.2	5662.9	5509.1	5239.9	4490.0	3403.5	1365.3	192.3
32.5°	6927.3	6946.5	6792.7	6605.2	6417.7	6311.9	5961.0	5148.6	3946.8	1749.8	221.1
35°	7831.0	7807.0	7552.2	7345.5	7206.1	7090.7	6792.7	5869.7	4562.1	2196.9	259.6
37.5°	8696.3	8633.8	8210.8	7917.5	7855.1	7778.1	7480.1	6590.7	5172.6	2692.1	307.7
40°	9316.5	9220.3	8782.9	8379.0	8287.7	8244.4	8013.7	7244.5	5816.8	3244.9	370.2
42.5°	9585.7	9475.1	9172.2	8845.3	8643.4	8542.5	8340.6	7778.1	6461.0	3860.2	461.5
45°	9638.5	9552.0	9335.7	9258.8	8984.8	8830.9	8556.9	8157.9	7061.9	4470.7	586.5
47.5°	9446.3	9407.8	9278.0	9441.4	9302.0	9090.5	8758.8	8441.5	7595.5	5211.1	759.5
50°	8975.1	8946.3	9008.8	9436.6	9532.8	9292.4	8980.0	8662.7	8057.0	5975.4	1004.7
52.5°	8340.6	8335.8	8629.0	9311.7	9633.7	9484.7	9196.3	8883.8	8422.3	6715.7	1350.8
55°	7648.3	7730.1	8244.4	9196.3	9691.4	9624.1	9407.8	9080.9	8749.2	7403.2	1908.5
57.5°	7590.7	7557.0	8052.2	9148.2	9725.1	9763.5	9619.3	9287.6	9028.0	7965.6	2653.6
60°	8167.5	8090.6	8278.1	9249.2	9874.1	9941.4	9830.8	9446.3	9306.8	8407.9	3634.3
62.5°	8835.7	8763.6	8859.8	9638.5	10167.3	10263.5	10124.1	9609.7	9532.8	8715.6	4687.1
65°	9369.3	9311.7	9494.3	10220.2	10576.0	10657.7	10561.5	9912.6	9633.7	8965.5	5542.8
67.5°	9455.9	9383.8	9763.5	10609.6	10989.4	11047.1	10970.2	10205.8	9600.1	8984.8	5739.9
70°	9210.7	9148.2	9691.4	10734.6	11167.3	11215.3	10970.2	10066.4	9143.4	8494.4	4691.9
72.5°	8456.0	8504.0	9205.9	10431.7	10922.1	10700.9	10181.8	9364.5	8552.1	7201.3	3293.0
75°	7283.0	7335.9	8268.5	9600.1	9638.5	9369.3	9090.5	8614.6	7653.1	4744.8	2283.4
77.5°	5177.4	4989.9	6384.0	7927.2	7787.8	7960.8	7984.9	7167.6	6408.1	2470.9	1528.7
80°	509.6	432.7	802.8	2273.8	5023.6	5614.9	5845.6	5523.5	4725.5	1105.7	802.8
82.5°	110.6	110.6	120.2	129.8	201.9	302.9	1389.3	3403.5	3052.6	562.4	259.6
85°	62.5	62.5	76.9	91.3	120.2	134.6	158.6	211.5	822.0	201.9	48.1
87.5°	48.1	52.9	62.5	76.9	101.0	110.6	134.6	168.3	206.7	187.5	14.4
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
2.5°	101.0	96.1	91.3	86.5	81.7	81.7	76.9	76.9	76.9	76.9	76.9
5°	96.1	91.3	86.5	76.9	72.1	67.3	62.5	62.5	62.5	62.5	62.5
7.5°	96.1	91.3	81.7	72.1	62.5	57.7	52.9	48.1	48.1	52.9	52.9
10°	96.1	86.5	72.1	62.5	52.9	48.1	43.3	38.5	38.5	38.5	38.5
12.5°	91.3	81.7	67.3	57.7	48.1	38.5	28.8	24.0	24.0	24.0	24.0
15°	86.5	76.9	62.5	48.1	33.7	24.0	19.2	14.4	14.4	14.4	14.4
17.5°	86.5	72.1	57.7	43.3	24.0	14.4	9.6	4.8	4.8	4.8	9.6
20°	86.5	72.1	52.9	33.7	14.4	9.6	9.6	4.8	0.0	4.8	4.8
22.5°	86.5	67.3	43.3	24.0	14.4	9.6	4.8	0.0	0.0	0.0	0.0
25°	91.3	67.3	38.5	19.2	9.6	4.8	0.0	0.0	0.0	0.0	0.0
27.5°	91.3	62.5	33.7	14.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0
30°	96.1	62.5	28.8	9.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	96.1	57.7	19.2	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	96.1	52.9	14.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	96.1	48.1	14.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	101.0	43.3	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	105.8	38.5	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	110.6	33.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	125.0	33.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	144.2	33.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	173.1	33.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	225.9	28.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	326.9	28.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	548.0	28.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	961.5	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1624.9	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2120.0	33.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1610.4	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	769.2	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	341.3	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	149.0	14.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	57.7	9.6	4.8	4.8	4.8	4.8	0.0	0.0	0.0	0.0	0.0
82.5°	24.0	9.6	4.8	4.8	4.8	4.8	4.8	0.0	0.0	0.0	0.0
85°	14.4	9.6	9.6	9.6	4.8	4.8	4.8	0.0	0.0	0.0	0.0
87.5°	9.6	9.6	9.6	9.6	9.6	4.8	4.8	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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

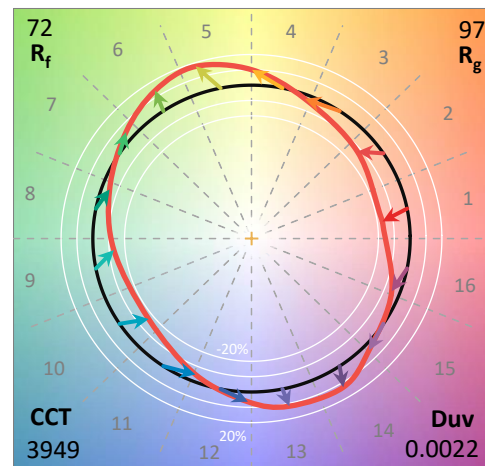
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

Stabilization Time: 34M
 Operation Time: 1H 34M
 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 4000K 4-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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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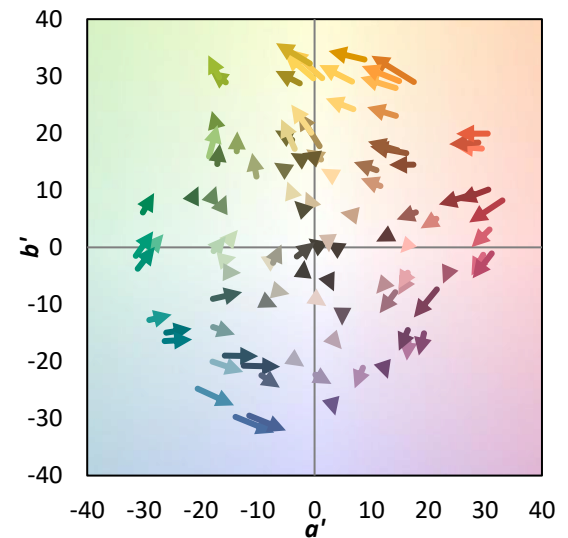
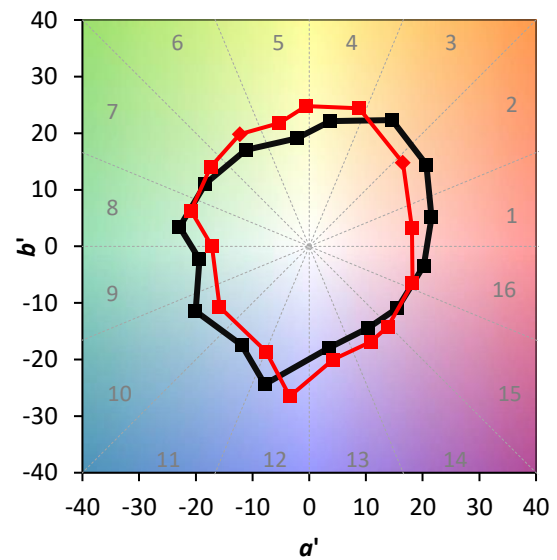
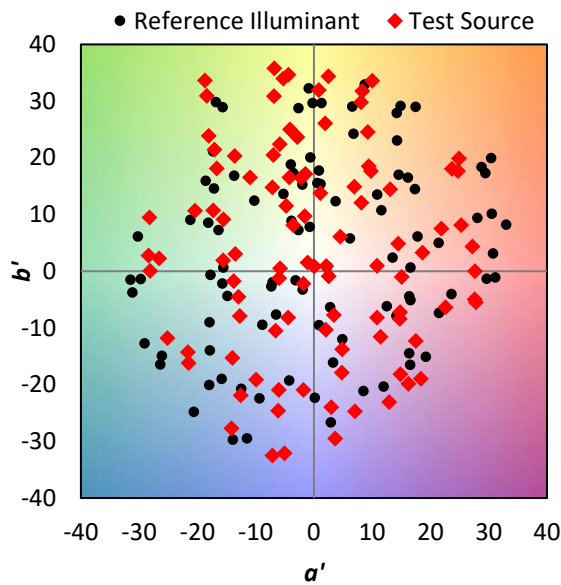
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$



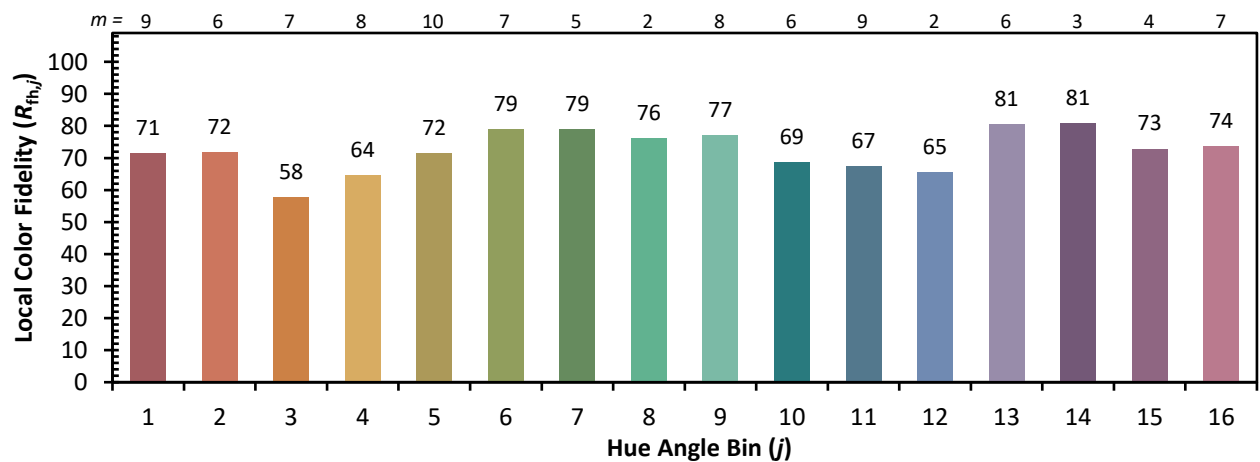
Color Vector Graphics



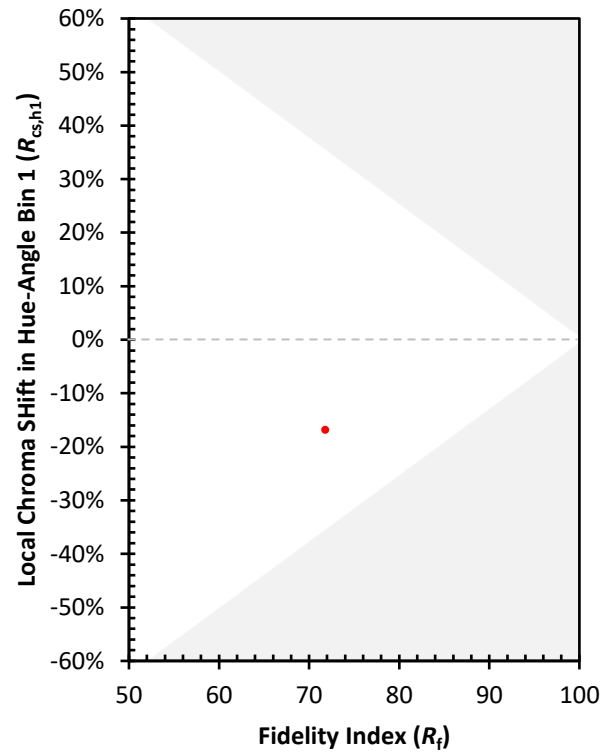
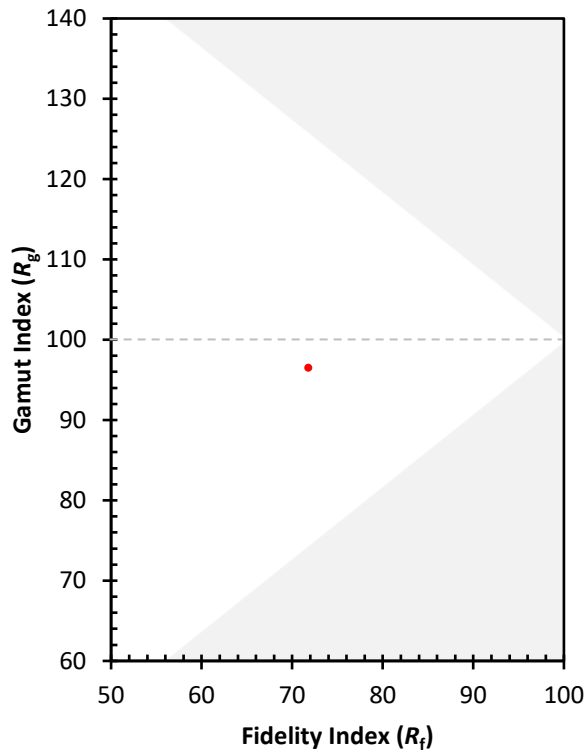
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)