

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: P1067429

Luminaire Tested: **NAV-SA5A-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067429
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5A-722-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13014.3 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

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

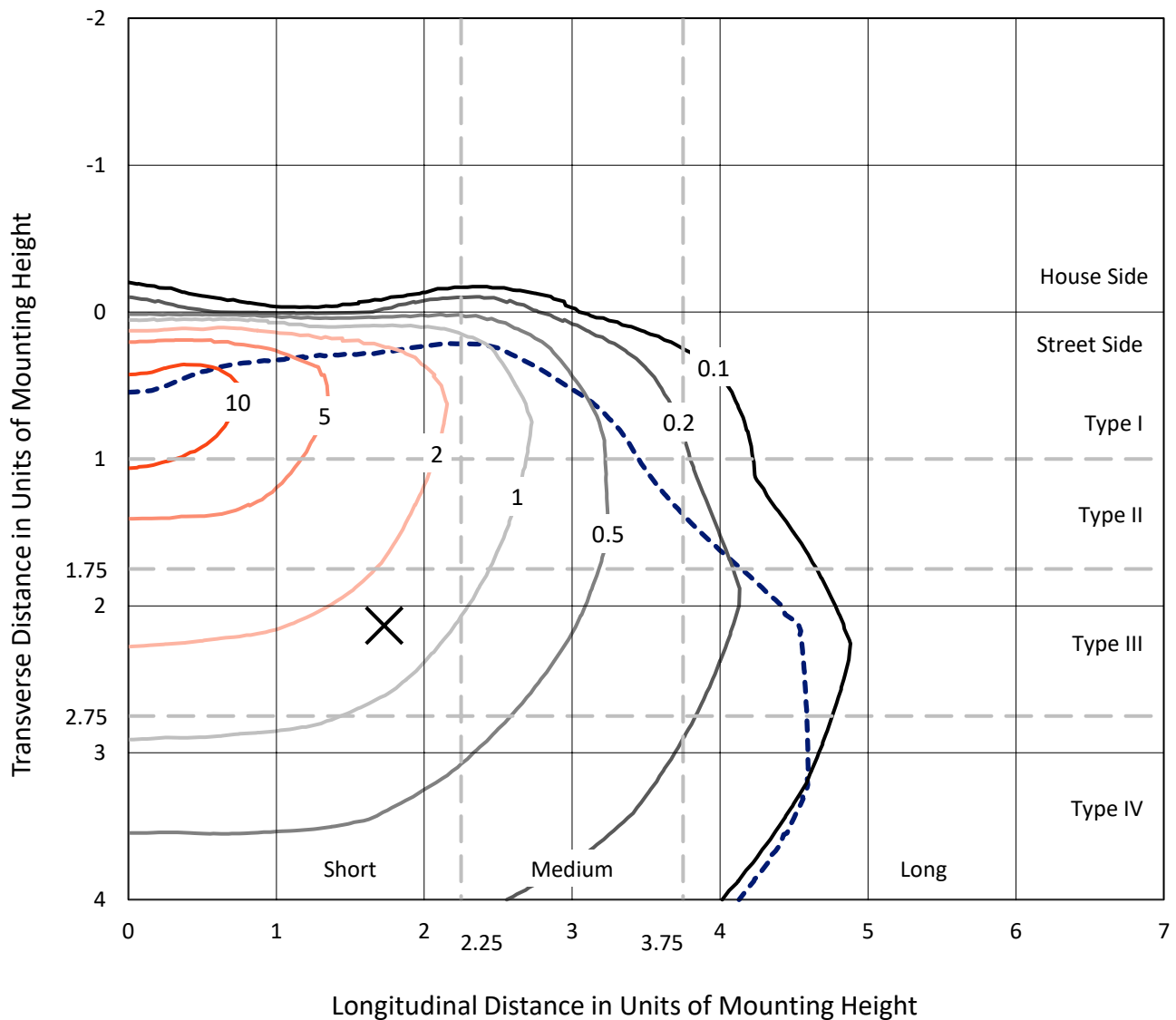


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

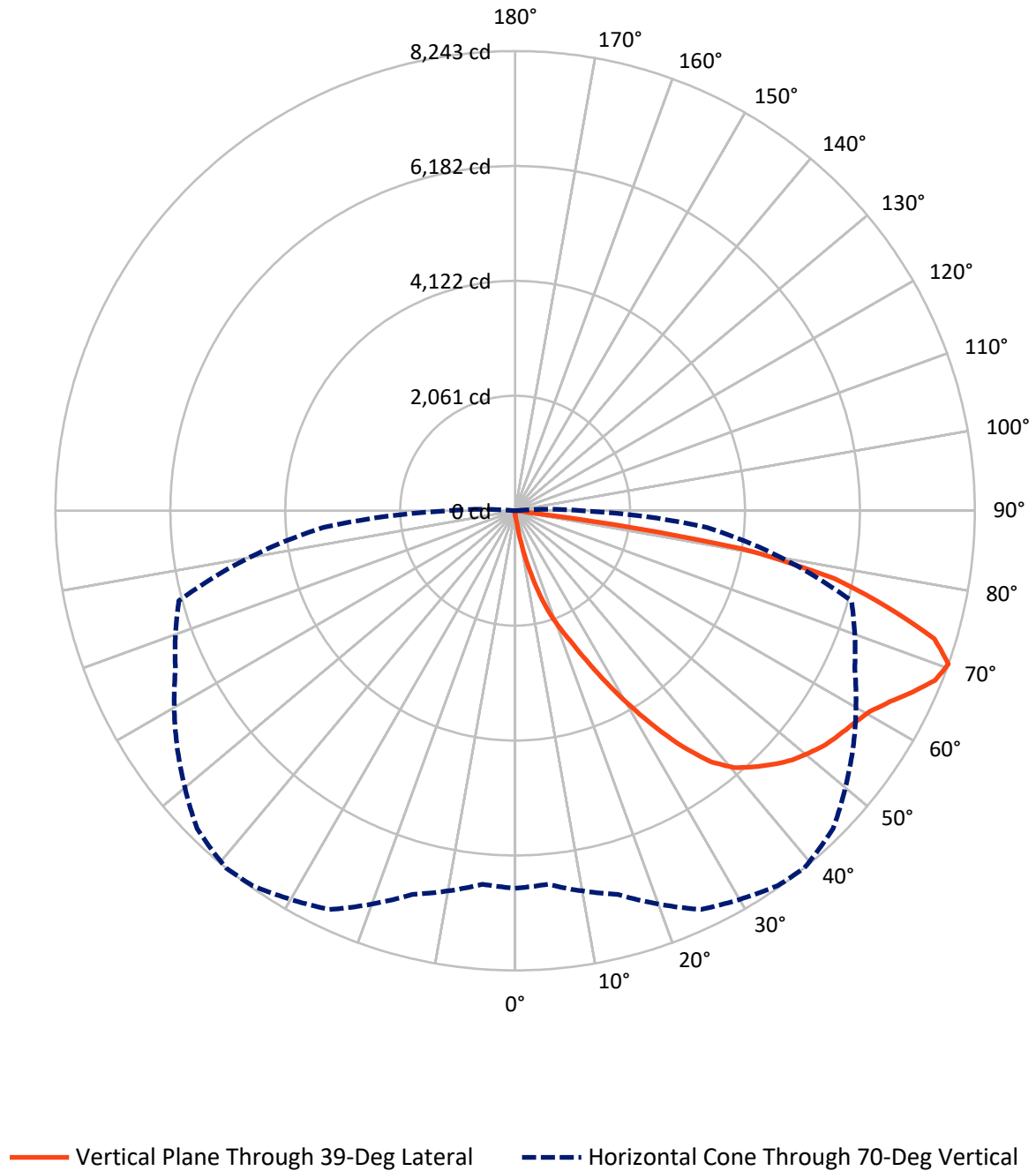


Based on 15 foot mounting height. Maximum calculated value = 14.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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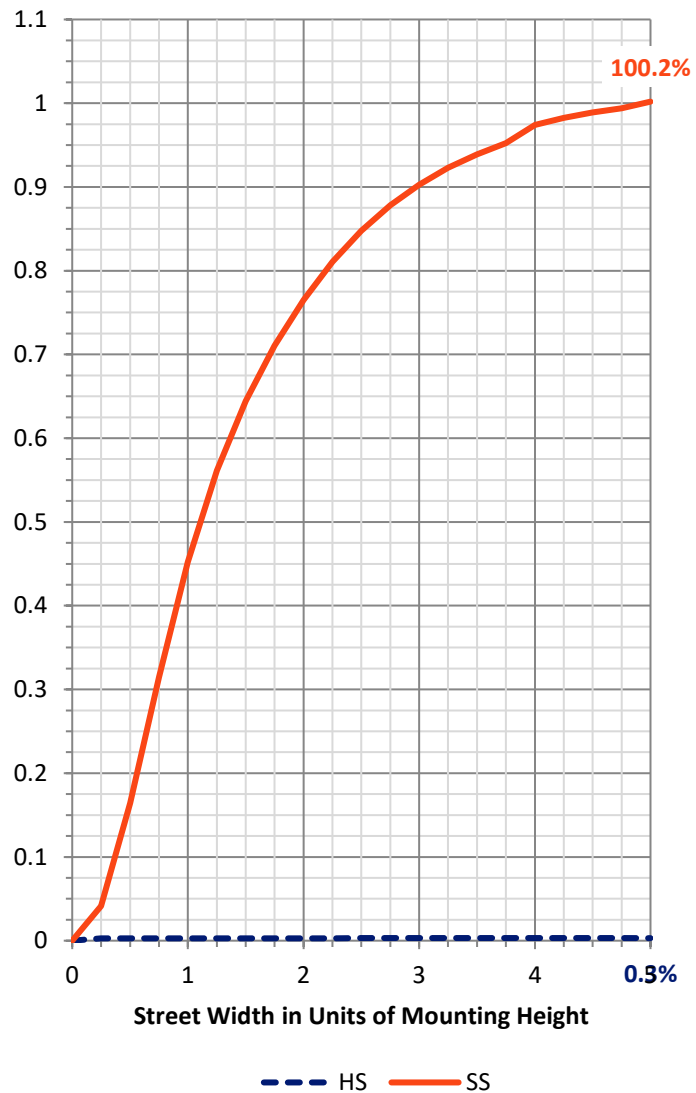
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40.1	0.0	40.1
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	12974.2	0.0	12974.2
	% Fixture	99.7	0.0	99.7
Total	Lumens	13014.3	0.0	13014.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.1
10°-20°	160.0	1.2
20°-30°	542.9	4.2
30°-40°	1276.0	9.8
40°-50°	2072.0	15.9
50°-60°	2625.6	20.2
60°-70°	3335.2	25.6
70°-80°	2709.8	20.8
80°-90°	279.0	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°	13014.3	100.0
0°-180°	13014.3	100.0



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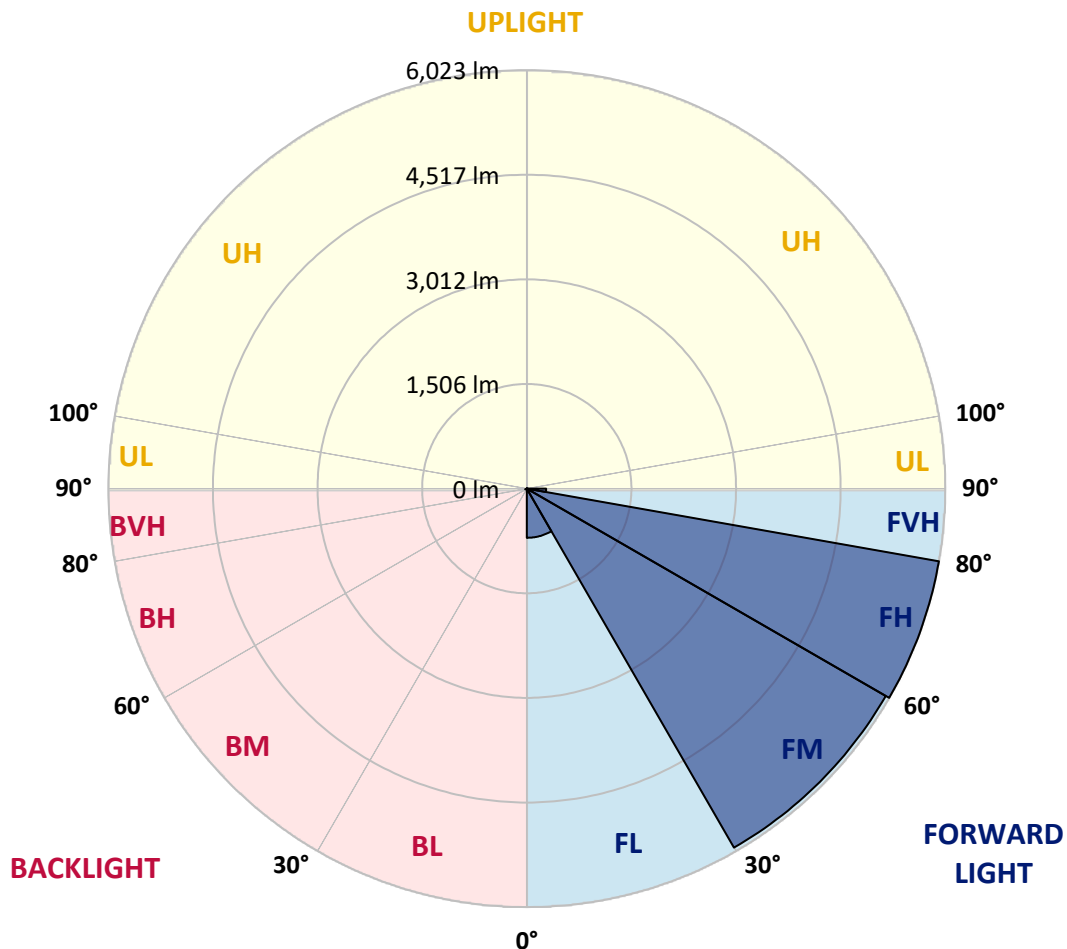
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	708.0	5.4			
FM	(30°-60°)	5965.9	45.8			
FH	(60°-80°)	6023.0	46.3			G3/7500
FVH	(80°-90°)	277.3	2.1			G3/500
BL	(0°-30°)	8.7	0.1	B0/110		
BM	(30°-60°)	7.7	0.1	B0/220		
BH	(60°-80°)	22.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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°	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2.5°	91.9	91.9	91.9	88.3	88.3	84.8	84.8	81.3	77.7	77.7	74.2
5°	173.1	176.7	166.1	144.9	130.7	123.7	116.6	98.9	88.3	81.3	74.2
7.5°	473.5	459.3	438.1	367.5	282.7	240.3	204.9	144.9	106.0	84.8	74.2
10°	996.4	957.5	897.5	802.1	636.0	568.9	441.7	265.0	148.4	95.4	74.2
12.5°	1462.8	1469.9	1395.7	1303.8	1102.4	989.3	816.2	498.2	233.2	113.1	74.2
15°	1816.1	1809.1	1780.8	1706.6	1526.4	1416.9	1261.4	837.4	392.2	141.3	77.7
17.5°	2095.3	2067.0	2056.4	2024.6	1908.0	1847.9	1678.3	1233.1	621.9	190.8	81.3
20°	2374.4	2367.3	2356.7	2321.4	2243.7	2201.3	2070.5	1632.4	925.7	272.1	88.3
22.5°	2780.7	2741.9	2748.9	2671.2	2607.6	2533.4	2427.4	2056.4	1275.5	388.7	98.9
25°	3257.7	3254.2	3197.7	3162.3	3056.3	2975.1	2833.7	2466.3	1664.2	561.8	109.5
27.5°	3819.5	3780.7	3755.9	3695.9	3586.3	3494.5	3300.1	2872.6	2084.7	756.1	123.7
30°	4406.1	4406.1	4360.1	4268.3	4162.3	4049.2	3851.3	3300.1	2501.6	1003.5	141.3
32.5°	5091.5	5105.7	4992.6	4854.8	4717.0	4639.3	4381.3	3784.2	2900.9	1286.1	162.5
35°	5755.8	5738.1	5550.9	5398.9	5296.5	5211.7	4992.6	4314.2	3353.1	1614.7	190.8
37.5°	6391.8	6345.9	6034.9	5819.4	5773.5	5716.9	5497.9	4844.2	3801.9	1978.7	226.1
40°	6847.6	6776.9	6455.4	6158.6	6091.5	6059.7	5890.1	5324.7	4275.3	2385.0	272.1
42.5°	7045.5	6964.2	6741.6	6501.3	6352.9	6278.7	6130.3	5716.9	4748.8	2837.3	339.2
45°	7084.3	7020.7	6861.7	6805.2	6603.8	6490.7	6289.3	5996.1	5190.5	3286.0	431.1
47.5°	6943.0	6914.7	6819.3	6939.5	6837.0	6681.5	6437.7	6204.5	5582.7	3830.1	558.3
50°	6596.7	6575.5	6621.5	6935.9	7006.6	6829.9	6600.3	6367.1	5921.9	4391.9	738.5
52.5°	6130.3	6126.8	6342.3	6844.1	7080.8	6971.3	6759.3	6529.6	6190.4	4936.1	992.9
55°	5621.5	5681.6	6059.7	6759.3	7123.2	7073.7	6914.7	6674.5	6430.7	5441.3	1402.7
57.5°	5579.1	5554.4	5918.3	6723.9	7147.9	7176.2	7070.2	6826.4	6635.6	5854.7	1950.4
60°	6003.1	5946.6	6084.4	6798.1	7257.5	7306.9	7225.7	6943.0	6840.5	6179.8	2671.2
62.5°	6494.3	6441.3	6511.9	7084.3	7473.0	7543.7	7441.2	7063.1	7006.6	6405.9	3445.0
65°	6886.5	6844.1	6978.3	7511.9	7773.3	7833.4	7762.7	7285.7	7080.8	6589.7	4073.9
67.5°	6950.1	6897.1	7176.2	7798.1	8077.2	8119.6	8063.1	7501.3	7056.1	6603.8	4218.8
70°	6769.9	6723.9	7123.2	7889.9	8207.9	8243.3	8063.1	7398.8	6720.4	6243.4	3448.5
72.5°	6215.1	6250.5	6766.3	7667.3	8027.7	7865.2	7483.6	6882.9	6285.8	5292.9	2420.3
75°	5353.0	5391.9	6077.3	7056.1	7084.3	6886.5	6681.5	6331.7	5625.1	3487.4	1678.3
77.5°	3805.4	3667.6	4692.3	5826.5	5724.0	5851.2	5868.9	5268.2	4709.9	1816.1	1123.6
80°	374.5	318.0	590.1	1671.3	3692.3	4126.9	4296.5	4059.8	3473.3	812.7	590.1
82.5°	81.3	81.3	88.3	95.4	148.4	222.6	1021.1	2501.6	2243.7	413.4	190.8
85°	45.9	45.9	56.5	67.1	88.3	98.9	116.6	155.5	604.2	148.4	35.3
87.5°	35.3	38.9	45.9	56.5	74.2	81.3	98.9	123.7	151.9	137.8	10.6
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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CATALOG NUMBER: NAV-SA5A-722-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2.5°	74.2	70.7	67.1	63.6	60.1	60.1	56.5	56.5	56.5	56.5	56.5
5°	70.7	67.1	63.6	56.5	53.0	49.5	45.9	45.9	45.9	45.9	45.9
7.5°	70.7	67.1	60.1	53.0	45.9	42.4	38.9	35.3	35.3	38.9	38.9
10°	70.7	63.6	53.0	45.9	38.9	35.3	31.8	28.3	28.3	28.3	28.3
12.5°	67.1	60.1	49.5	42.4	35.3	28.3	21.2	17.7	17.7	17.7	17.7
15°	63.6	56.5	45.9	35.3	24.7	17.7	14.1	10.6	10.6	10.6	10.6
17.5°	63.6	53.0	42.4	31.8	17.7	10.6	7.1	3.5	3.5	3.5	7.1
20°	63.6	53.0	38.9	24.7	10.6	7.1	7.1	3.5	0.0	3.5	3.5
22.5°	63.6	49.5	31.8	17.7	10.6	7.1	3.5	0.0	0.0	0.0	0.0
25°	67.1	49.5	28.3	14.1	7.1	3.5	0.0	0.0	0.0	0.0	0.0
27.5°	67.1	45.9	24.7	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0
30°	70.7	45.9	21.2	7.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	70.7	42.4	14.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	70.7	38.9	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	70.7	35.3	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	74.2	31.8	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	77.7	28.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	81.3	24.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	91.9	24.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	106.0	24.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	127.2	24.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	166.1	21.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	240.3	21.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	402.8	21.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	706.7	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1194.3	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1558.2	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1183.7	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	565.3	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	250.9	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	109.5	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	42.4	7.1	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0
82.5°	17.7	7.1	3.5	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0
85°	10.6	7.1	7.1	7.1	3.5	3.5	3.5	0.0	0.0	0.0	0.0
87.5°	7.1	7.1	7.1	7.1	7.1	3.5	3.5	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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-2
 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-722-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

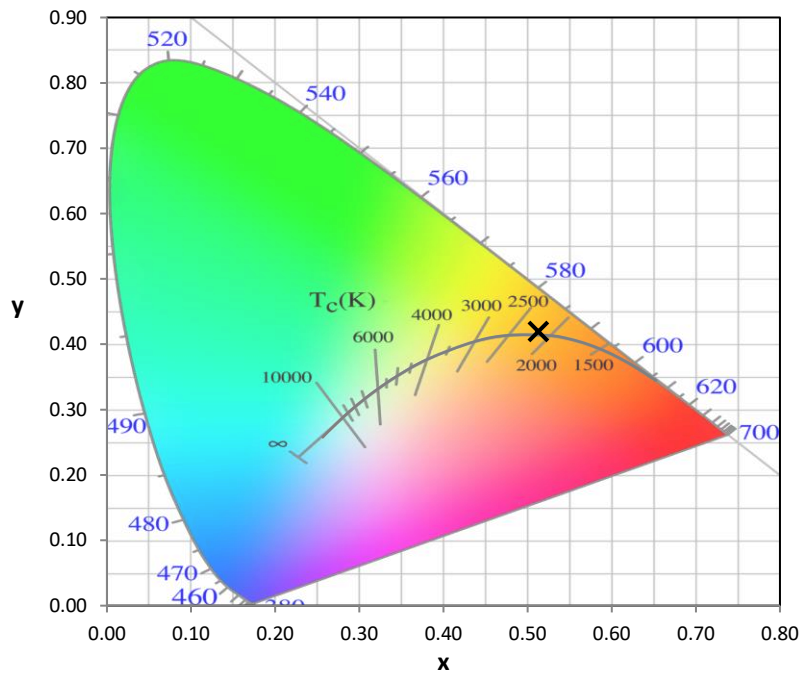
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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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 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

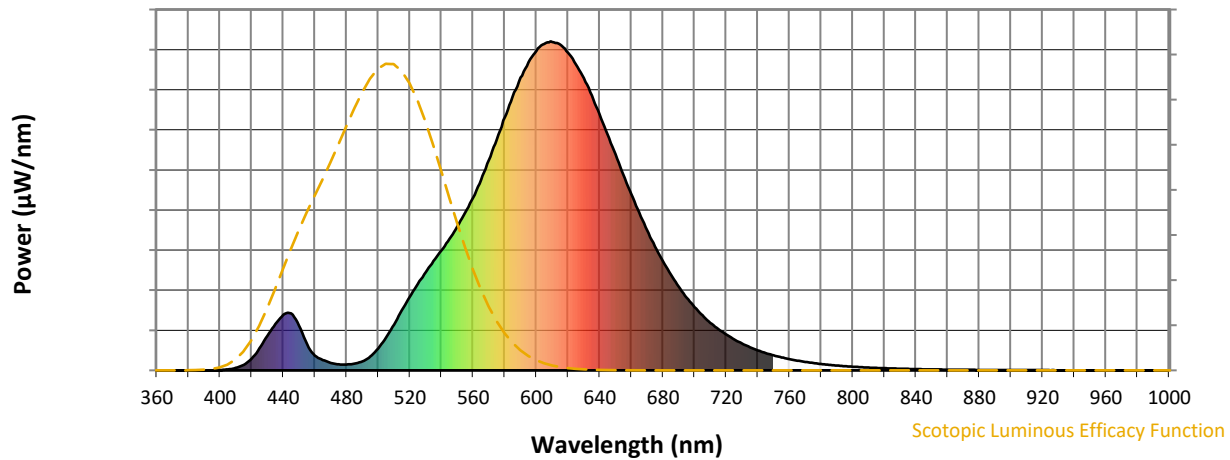


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



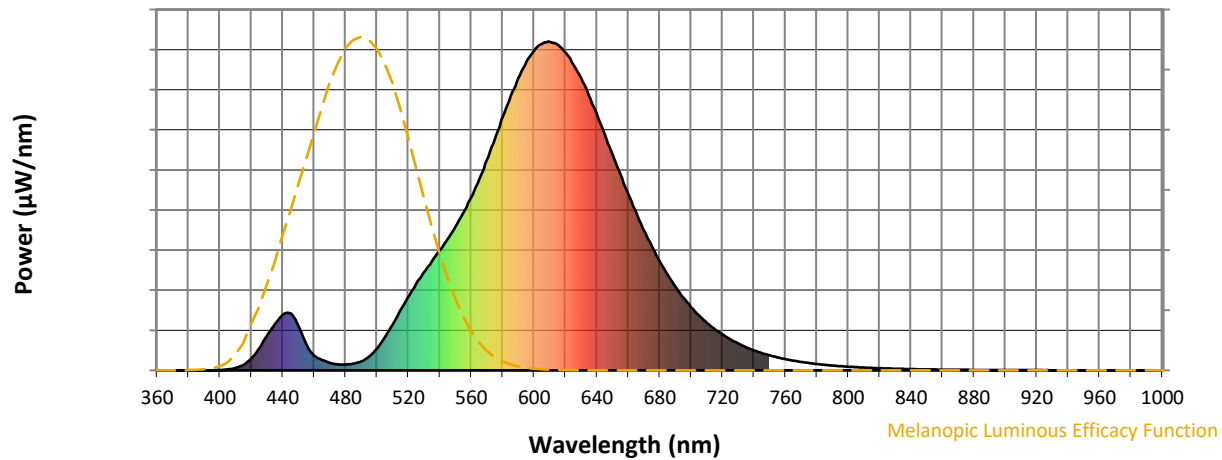
Scotopic Lumens: NR

S/P: 0.8

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.21

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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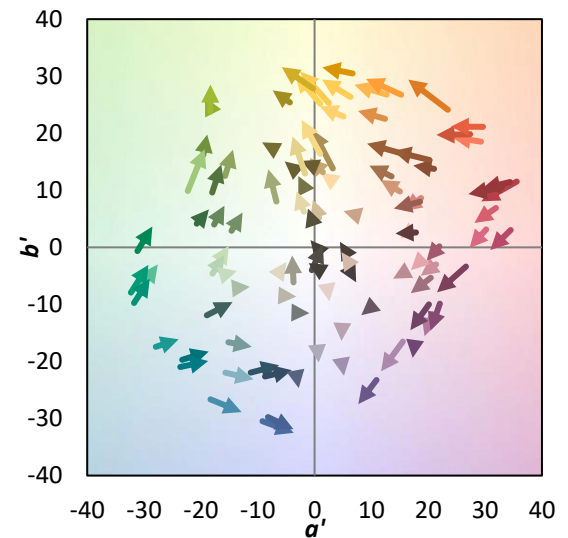
TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE R_a = 71.9$
 $R_g = -17.8$



Color Vector Graphics



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

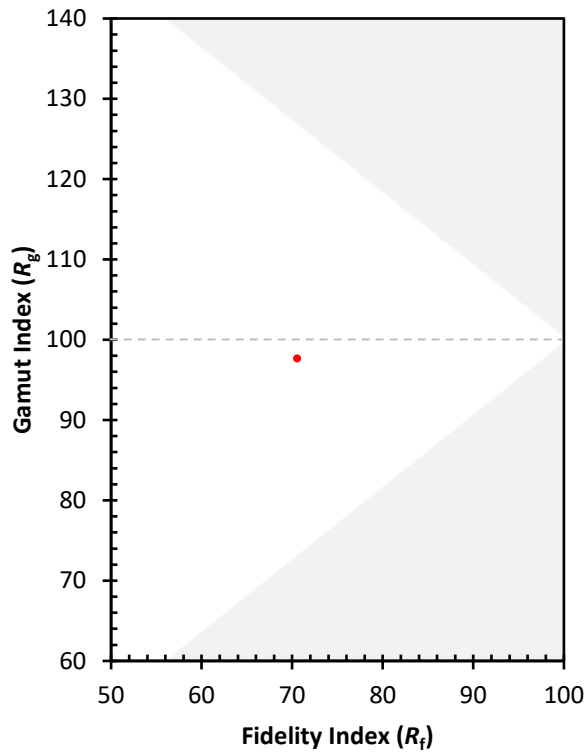
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)