

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: P1066973

Luminaire Tested: **NAV-SA5A-727-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066973
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5A-727-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15482.7 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - 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

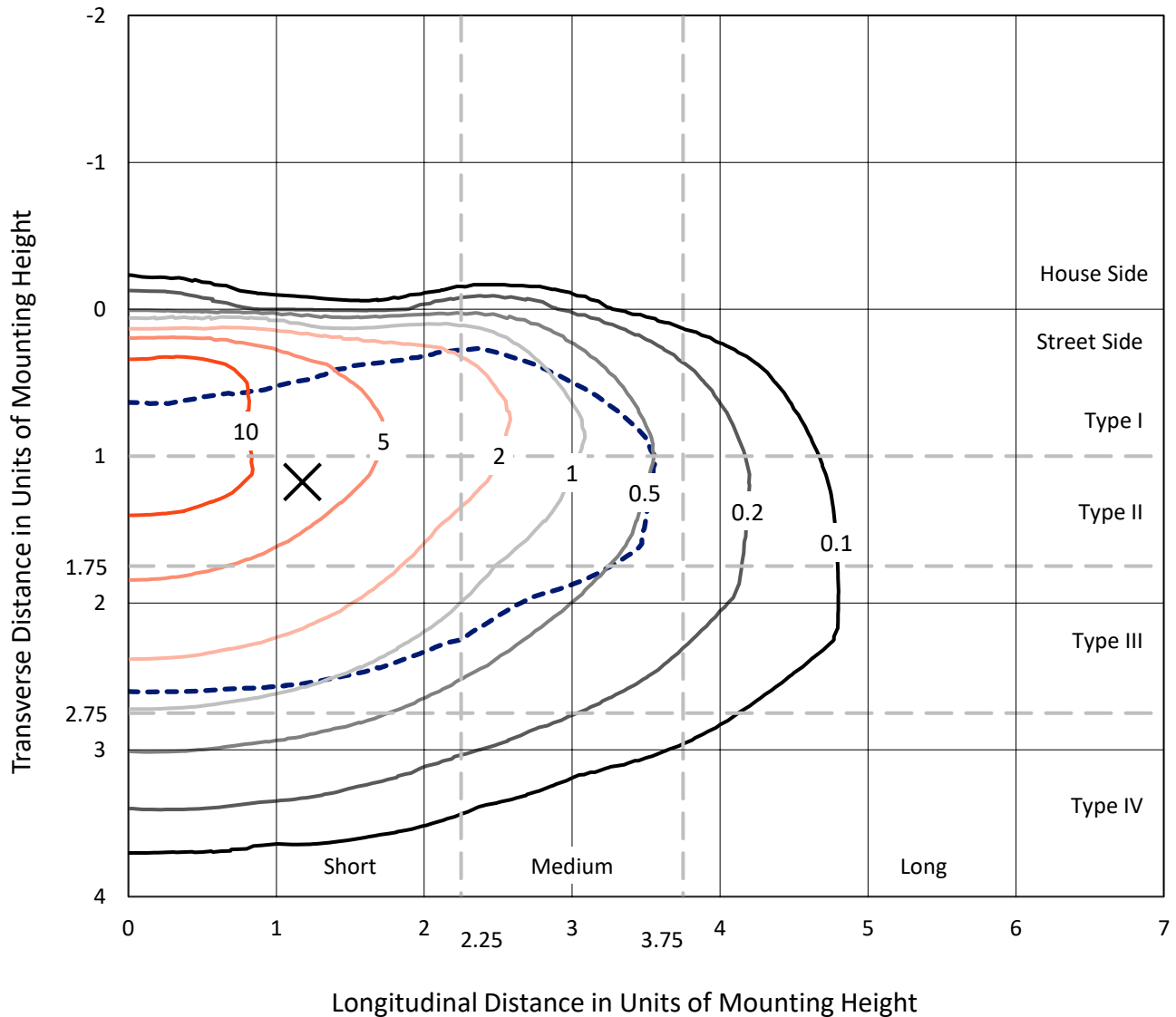


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

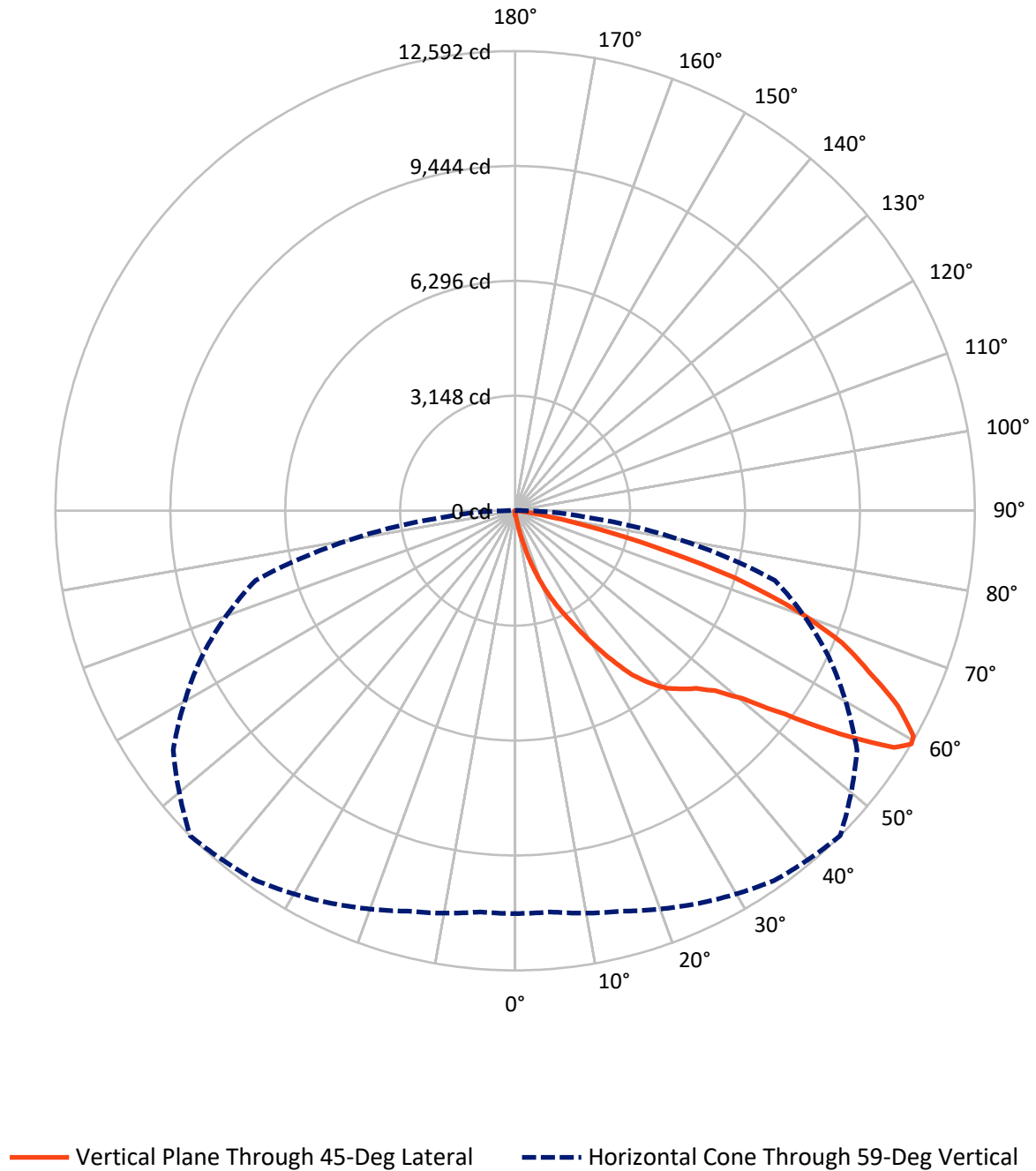


Based on 15 foot mounting height. Maximum calculated value = 16.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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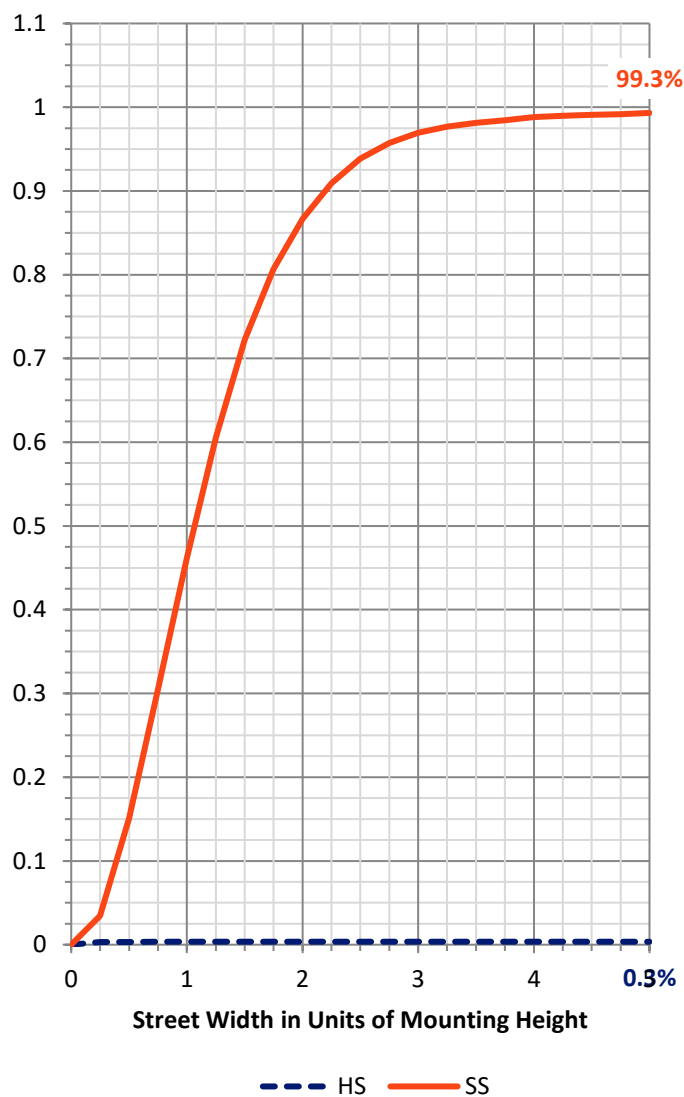
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	55.0	0.0	55.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	15427.8	0.0	15427.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	15482.7	0.0	15482.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.1
10°-20°	171.1	1.1
20°-30°	614.9	4.0
30°-40°	1428.8	9.2
40°-50°	2435.4	15.7
50°-60°	4012.8	25.9
60°-70°	4639.7	30.0
70°-80°	1993.4	12.9
80°-90°	172.3	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°	15482.7	100.0
0°-180°	15482.7	100.0



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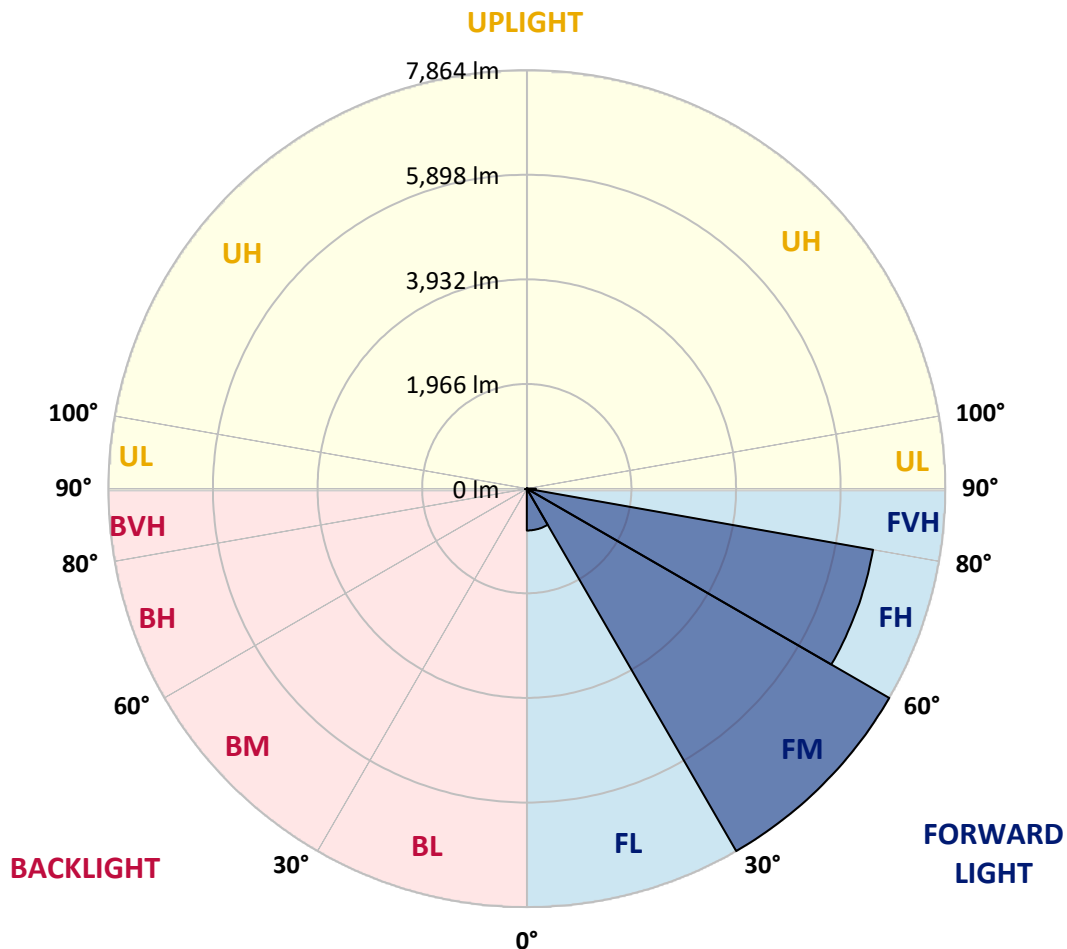
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	786.8	5.1			
FM	(30°-60°)	7863.7	50.8			
FH	(60°-80°)	6607.2	42.7			G3/7500
FVH	(80°-90°)	170.0	1.1			G2/225
BL	(0°-30°)	13.6	0.1	B0/110		
BM	(30°-60°)	13.3	0.1	B0/220		
BH	(60°-80°)	25.9	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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 III Short



REPORT NUMBER: P1066973

CATALOG NUMBER: NAV-SA5A-727-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
2.5°	127.0	127.0	123.9	119.7	118.7	115.6	115.6	112.4	108.3	105.1	101.0
5°	184.3	183.2	174.9	164.5	151.0	142.6	142.6	131.2	120.8	111.4	103.1
7.5°	402.9	393.5	363.3	313.4	247.8	204.0	200.9	163.4	138.5	119.7	104.1
10°	924.5	892.2	849.5	729.8	539.3	376.9	369.6	238.4	165.5	129.1	106.2
12.5°	1514.7	1540.8	1455.4	1267.0	1044.2	776.6	724.6	401.9	218.6	141.6	108.3
15°	2051.9	2045.7	1997.8	1843.7	1586.6	1230.5	1198.3	698.6	313.4	161.4	110.4
17.5°	2453.8	2446.5	2400.7	2301.8	2104.0	1747.9	1719.8	1113.9	491.4	189.5	112.4
20°	2877.5	2868.1	2803.6	2724.5	2551.7	2248.7	2215.4	1578.3	769.3	235.3	112.4
22.5°	3385.5	3367.8	3299.1	3164.8	2982.7	2719.3	2689.1	2053.0	1113.9	310.2	117.6
25°	3999.8	3969.6	3874.8	3754.1	3534.4	3184.6	3152.3	2581.8	1529.3	423.7	122.8
27.5°	4700.4	4705.6	4577.6	4373.5	4078.9	3721.8	3661.4	3055.5	1959.3	586.1	129.1
30°	5532.2	5480.2	5300.1	5062.7	4776.4	4321.5	4263.2	3527.1	2442.3	825.6	139.5
32.5°	6310.9	6254.7	6012.2	5713.4	5406.3	4926.3	4878.4	4057.0	2881.7	1108.7	158.2
35°	6979.3	6939.7	6600.4	6236.0	5963.2	5534.3	5519.7	4648.4	3398.0	1413.8	179.1
37.5°	7567.5	7495.7	7059.5	6681.6	6404.6	6020.5	5989.2	5189.7	3895.7	1767.7	210.3
40°	8069.3	8029.7	7497.8	7001.2	6776.3	6432.7	6393.2	5664.4	4410.0	2178.9	248.8
42.5°	8606.5	8554.4	8038.1	7481.1	7066.7	6699.3	6673.2	6055.9	4868.0	2630.8	306.1
45°	9213.4	9116.6	8663.7	8164.0	7534.2	6975.1	6946.0	6404.6	5337.5	3115.9	375.8
47.5°	9862.0	9777.7	9411.2	9060.4	8335.8	7430.1	7367.6	6701.3	5803.9	3676.0	464.3
50°	10522.0	10524.1	10249.3	10080.6	9315.5	8169.2	8080.7	7137.5	6294.3	4275.7	595.5
52.5°	11290.4	11310.1	11306.0	11181.0	10587.6	9377.9	9259.2	7799.7	6863.7	4975.3	776.6
55°	11612.0	11647.4	11877.5	12154.4	11993.1	10910.4	10783.4	8941.7	7618.5	5755.0	1045.2
57.5°	11348.7	11388.2	11705.7	12190.9	12561.5	12252.3	12237.7	10428.3	8612.7	6700.3	1484.6
59°	11035.3	11030.1	11355.9	11870.2	12369.9	12570.9	12591.7	11434.0	9478.9	7363.5	1863.5
60°	10827.1	10831.2	11047.8	11575.6	12106.5	12455.3	12536.5	12026.4	9984.9	7840.3	2188.3
62.5°	10023.4	10071.3	10243.0	10733.4	11237.3	11626.6	11765.1	12554.2	11433.0	8966.7	3317.9
65°	9149.9	9153.0	9397.7	9817.2	10300.3	10574.1	10661.5	11732.8	12400.1	10113.9	4799.3
67.5°	7591.4	7655.0	7932.9	8612.7	9250.9	9597.6	9664.2	10212.8	11999.3	10861.4	5541.6
70°	5312.6	5395.8	5792.5	6674.3	7624.8	8194.2	8190.1	8489.9	10560.6	10528.3	4698.3
72.5°	2652.6	2796.3	3120.1	4064.3	5215.7	6110.0	6298.4	6829.4	8483.6	8744.9	3505.3
75°	1172.2	1180.6	1364.8	1840.6	2592.3	3728.1	3896.7	5420.8	6508.7	6077.7	2531.9
77.5°	681.9	688.1	721.5	826.6	1050.4	1827.1	2016.5	3555.2	4599.4	3532.3	1651.1
80°	247.8	254.0	253.0	313.4	460.2	719.4	801.6	1723.0	3068.0	1860.4	865.1
82.5°	152.0	152.0	146.8	147.8	167.6	275.9	301.9	734.0	1493.9	916.1	247.8
85°	75.0	79.1	84.3	94.7	112.4	136.4	144.7	210.3	502.8	221.7	59.3
87.5°	44.8	45.8	50.0	60.4	75.0	97.9	104.1	142.6	180.1	148.9	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1066973

CATALOG NUMBER: NAV-SA5A-727-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
2.5°	98.9	97.9	92.7	88.5	84.3	80.2	77.0	73.9	73.9	75.0	73.9
5°	98.9	94.7	86.4	79.1	72.9	67.7	62.5	58.3	57.3	57.3	58.3
7.5°	97.9	92.7	81.2	71.8	63.5	56.2	51.0	45.8	44.8	45.8	44.8
10°	96.8	90.6	77.0	65.6	54.1	46.8	39.6	34.4	34.4	34.4	35.4
12.5°	96.8	87.4	72.9	59.3	46.8	38.5	31.2	26.0	25.0	25.0	25.0
15°	95.8	85.4	68.7	52.1	39.6	29.1	22.9	17.7	17.7	17.7	17.7
17.5°	93.7	82.2	63.5	45.8	31.2	21.9	15.6	10.4	10.4	12.5	12.5
20°	91.6	79.1	57.3	37.5	26.0	16.7	10.4	6.2	6.2	9.4	10.4
22.5°	92.7	79.1	53.1	33.3	20.8	12.5	8.3	5.2	4.2	7.3	9.4
25°	93.7	77.0	47.9	29.1	15.6	9.4	6.2	2.1	1.0	2.1	3.1
27.5°	93.7	75.0	41.6	22.9	11.5	7.3	3.1	0.0	0.0	0.0	0.0
30°	92.7	71.8	36.4	18.7	8.3	4.2	1.0	0.0	0.0	0.0	0.0
32.5°	91.6	68.7	33.3	14.6	7.3	2.1	0.0	0.0	0.0	0.0	0.0
35°	92.7	64.5	29.1	11.5	4.2	0.0	0.0	0.0	0.0	0.0	2.1
37.5°	95.8	60.4	25.0	9.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	99.9	57.3	20.8	7.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	108.3	57.3	18.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	118.7	57.3	15.6	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	132.2	58.3	13.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	148.9	60.4	12.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	161.4	58.3	11.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	183.2	56.2	10.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	212.4	53.1	10.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	241.5	48.9	10.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	274.8	46.8	9.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	453.9	41.6	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	876.6	39.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1416.9	39.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1489.8	39.6	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	991.1	32.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	530.9	29.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	286.3	27.1	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	126.0	19.8	5.2	3.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	50.0	13.5	6.2	5.2	4.2	2.1	0.0	0.0	0.0	0.0	0.0
85°	23.9	10.4	8.3	7.3	5.2	3.1	0.0	0.0	0.0	0.0	0.0
87.5°	11.5	10.4	9.4	8.3	7.3	5.2	1.0	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

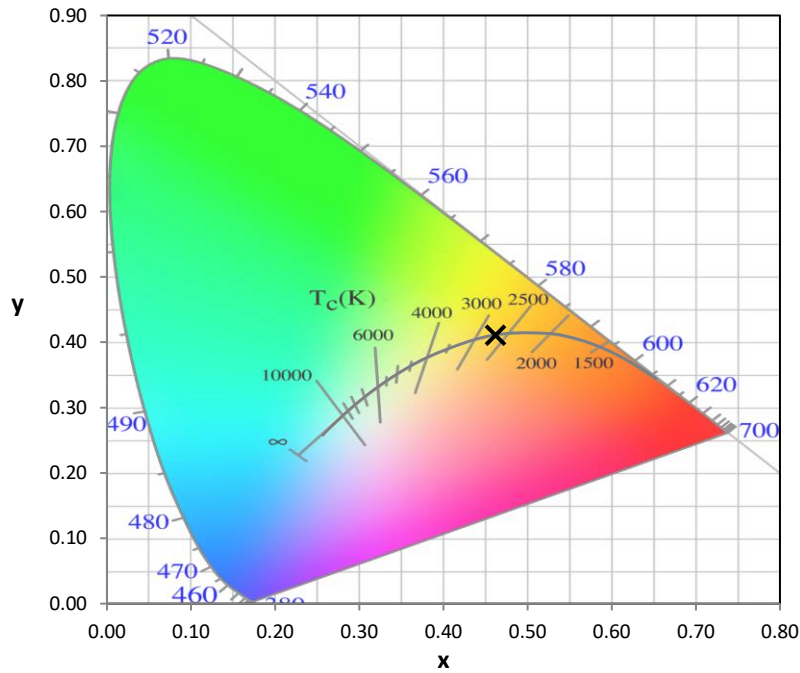
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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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 2700K 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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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TM-30-18

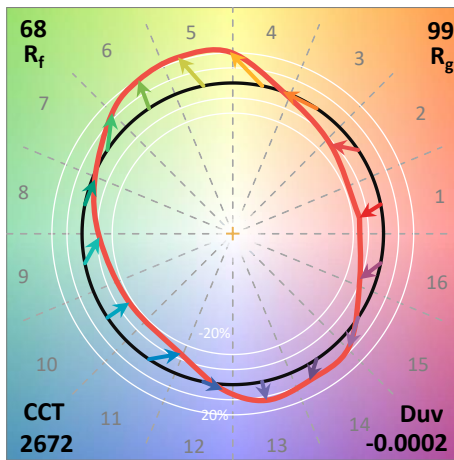
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

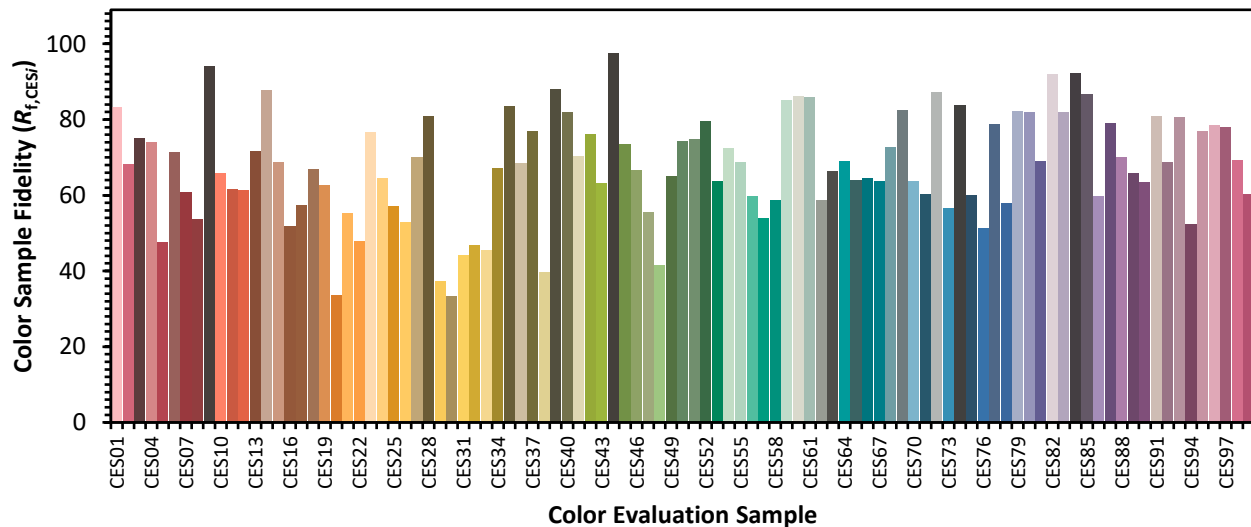


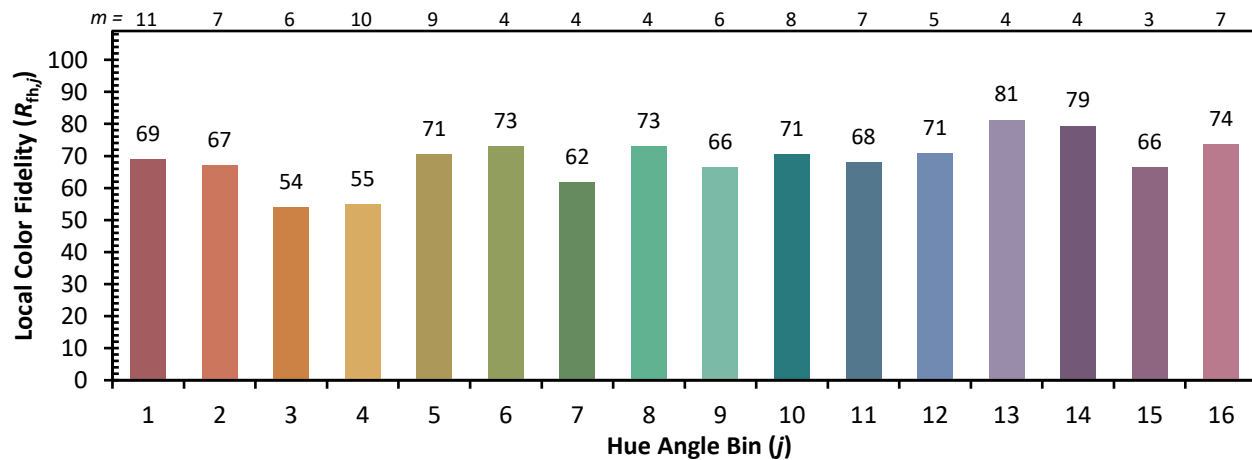
Color Vector Graphics



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

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)