

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: P1067126

Luminaire Tested: **NAV-SA1B-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067126
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-835-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4239.4 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 37.9
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

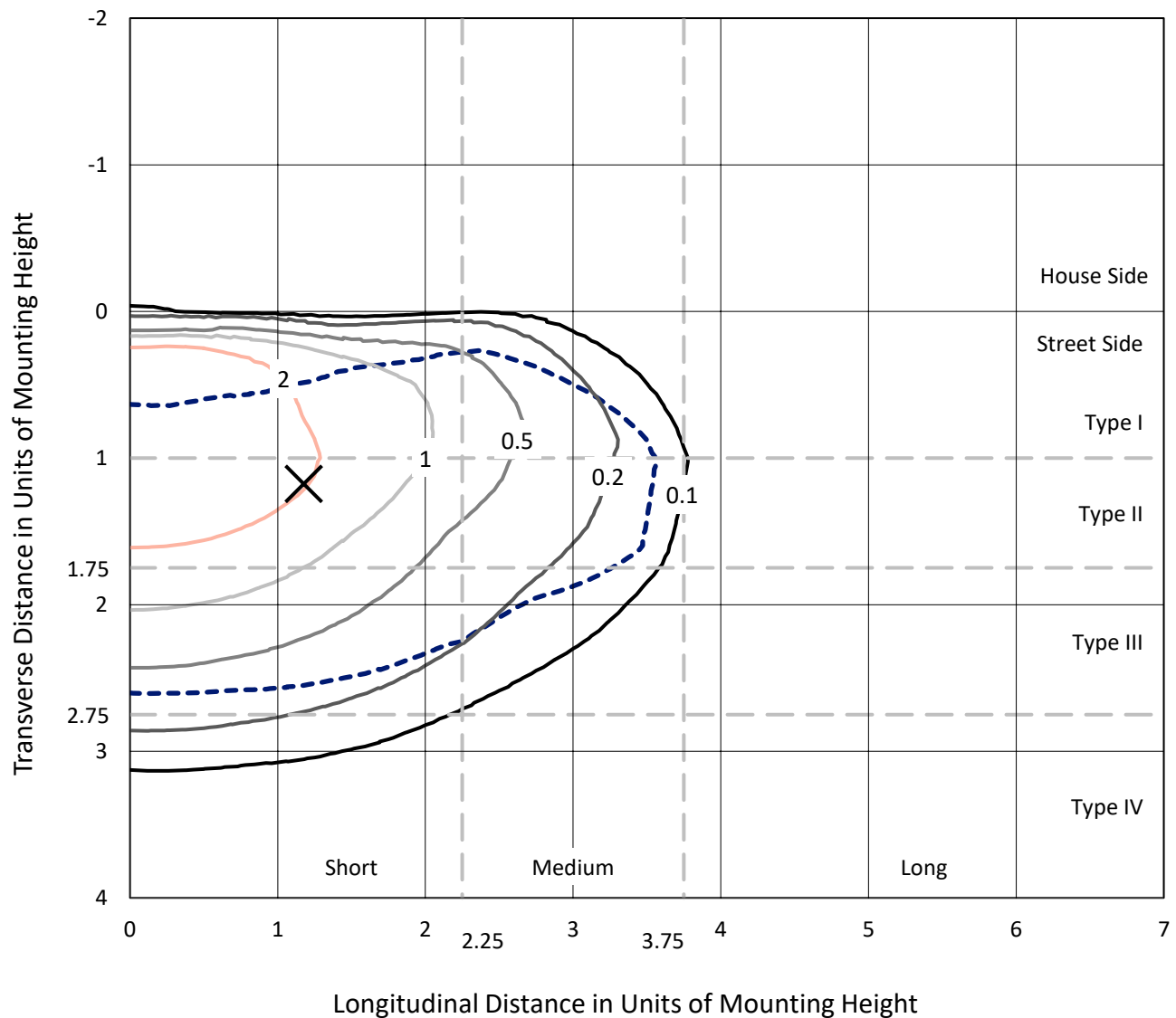


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

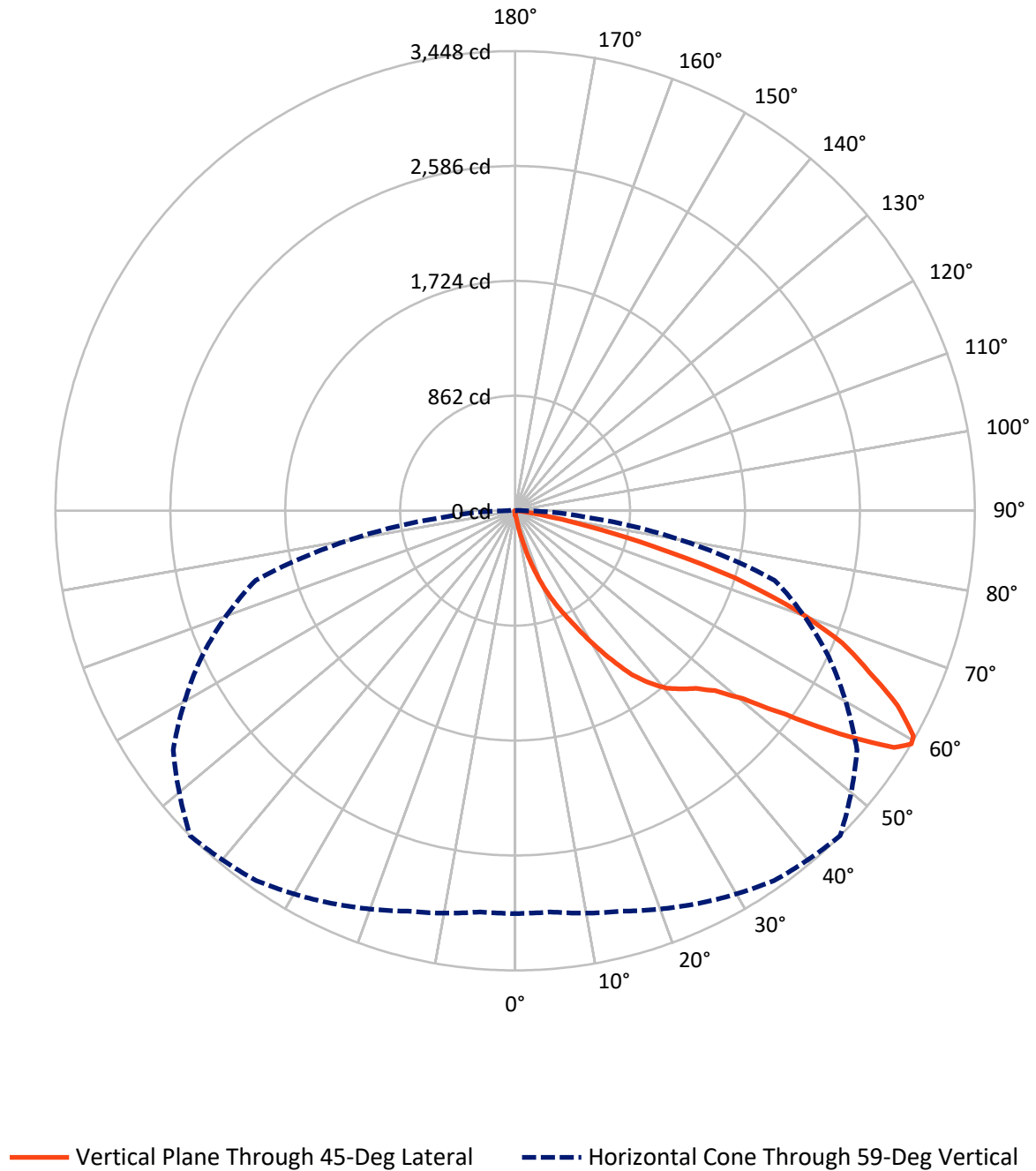


Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15.1	0.0	15.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4224.4	0.0	4224.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	4239.4	0.0	4239.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	46.9	1.1
20°-30°	168.4	4.0
30°-40°	391.2	9.2
40°-50°	666.8	15.7
50°-60°	1098.8	25.9
60°-70°	1270.4	30.0
70°-80°	545.8	12.9
80°-90°	47.2	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°	4239.4	100.0
0°-180°	4239.4	100.0



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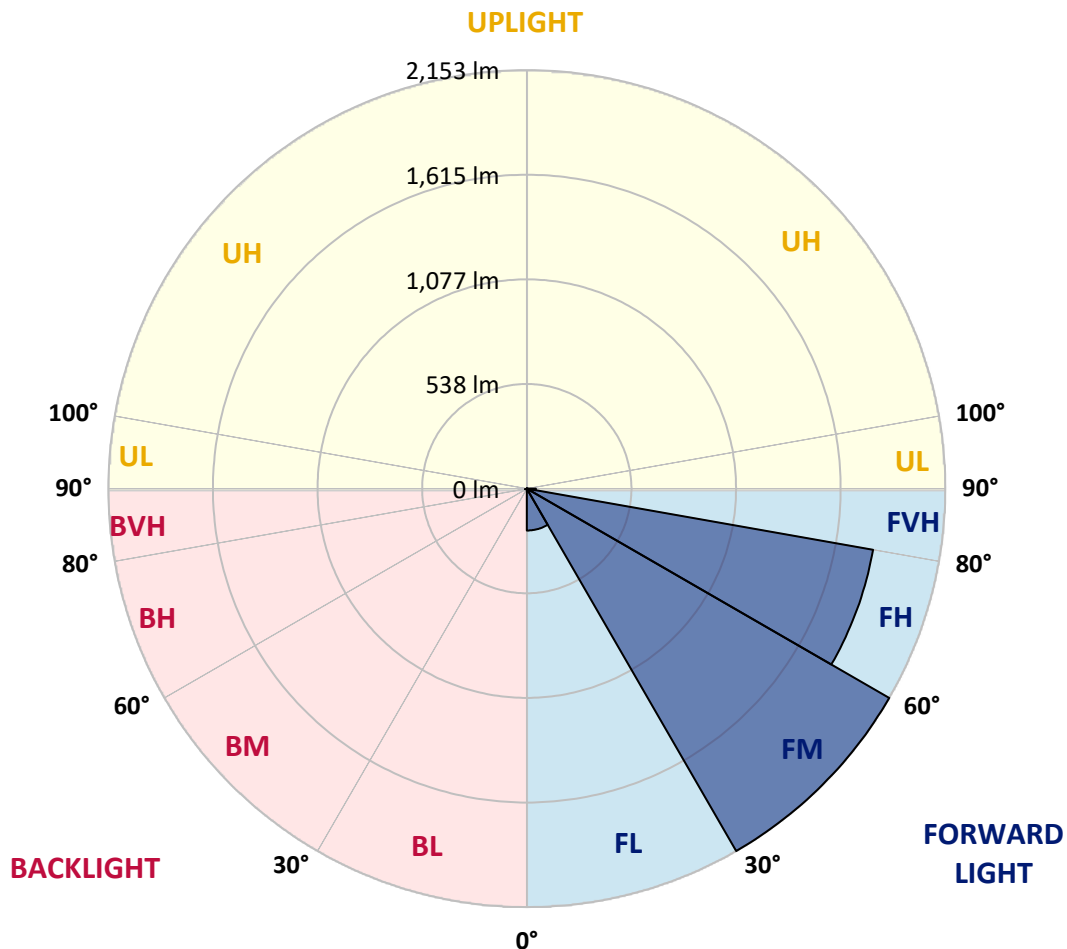
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	215.5	5.1			
FM	(30°-60°)	2153.2	50.8			
FH	(60°-80°)	1809.2	42.7			G2/5000
FVH	(80°-90°)	46.6	1.1			G1/100
BL	(0°-30°)	3.7	0.1	B0/110		
BM	(30°-60°)	3.6	0.1	B0/220		
BH	(60°-80°)	7.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G2

Type III Short



REPORT NUMBER: P1067126

CATALOG NUMBER: NAV-SA1B-835-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	34.8	34.8	33.9	32.8	32.5	31.6	31.6	30.8	29.6	28.8	27.7
5°	50.5	50.2	47.9	45.0	41.3	39.1	39.1	35.9	33.1	30.5	28.2
7.5°	110.3	107.8	99.5	85.8	67.8	55.9	55.0	44.8	37.9	32.8	28.5
10°	253.1	244.3	232.6	199.8	147.7	103.2	101.2	65.3	45.3	35.3	29.1
12.5°	414.8	421.9	398.5	346.9	285.9	212.7	198.4	110.0	59.9	38.8	29.6
15°	561.9	560.1	547.0	504.8	434.4	336.9	328.1	191.3	85.8	44.2	30.2
17.5°	671.9	669.9	657.3	630.3	576.1	478.6	470.9	305.0	134.5	51.9	30.8
20°	787.9	785.3	767.7	746.0	698.7	615.7	606.6	432.2	210.7	64.4	30.8
22.5°	927.0	922.2	903.4	866.6	816.7	744.6	736.3	562.1	305.0	84.9	32.2
25°	1095.2	1086.9	1061.0	1027.9	967.8	872.0	863.2	706.9	418.8	116.0	33.6
27.5°	1287.0	1288.5	1253.4	1197.5	1116.9	1019.1	1002.6	836.7	536.5	160.5	35.3
30°	1514.8	1500.6	1451.2	1386.2	1307.9	1183.3	1167.3	965.8	668.8	226.1	38.2
32.5°	1728.0	1712.6	1646.2	1564.4	1480.3	1348.9	1335.8	1110.9	789.0	303.6	43.3
35°	1911.0	1900.2	1807.3	1707.5	1632.8	1515.4	1511.4	1272.8	930.4	387.1	49.0
37.5°	2072.1	2052.4	1933.0	1829.5	1753.7	1648.5	1640.0	1421.0	1066.7	484.0	57.6
40°	2209.5	2198.7	2053.0	1917.0	1855.5	1761.4	1750.6	1551.0	1207.5	596.6	68.1
42.5°	2356.6	2342.3	2201.0	2048.4	1935.0	1834.4	1827.2	1658.2	1332.9	720.3	83.8
45°	2522.8	2496.3	2372.3	2235.4	2063.0	1909.9	1901.9	1753.7	1461.5	853.2	102.9
47.5°	2700.4	2677.3	2576.9	2480.9	2282.5	2034.5	2017.4	1834.9	1589.2	1006.5	127.1
50°	2881.1	2881.7	2806.4	2760.2	2550.7	2236.9	2212.6	1954.4	1723.5	1170.7	163.1
52.5°	3091.5	3096.9	3095.8	3061.5	2899.1	2567.8	2535.3	2135.7	1879.4	1362.3	212.7
55°	3179.6	3189.3	3252.3	3328.1	3283.9	2987.4	2952.7	2448.4	2086.1	1575.8	286.2
57.5°	3107.4	3118.3	3205.2	3338.1	3439.5	3354.9	3350.9	2855.4	2358.3	1834.6	406.5
59°	3021.6	3020.2	3109.4	3250.3	3387.1	3442.1	3447.8	3130.8	2595.5	2016.2	510.3
60°	2964.6	2965.8	3025.1	3169.6	3315.0	3410.5	3432.7	3293.0	2734.0	2146.8	599.2
62.5°	2744.6	2757.7	2804.7	2939.0	3076.9	3183.6	3221.5	3437.5	3130.5	2455.2	908.5
65°	2505.4	2506.3	2573.2	2688.1	2820.4	2895.4	2919.3	3212.6	3395.4	2769.4	1314.1
67.5°	2078.7	2096.0	2172.2	2358.3	2533.0	2628.0	2646.2	2796.4	3285.6	2974.0	1517.4
70°	1454.7	1477.5	1586.1	1827.5	2087.8	2243.7	2242.6	2324.7	2891.7	2882.8	1286.5
72.5°	726.3	765.7	854.3	1112.9	1428.2	1673.0	1724.6	1870.0	2323.0	2394.5	959.8
75°	321.0	323.3	373.7	504.0	709.8	1020.8	1067.0	1484.3	1782.2	1664.2	693.3
77.5°	186.7	188.4	197.5	226.3	287.6	500.3	552.2	973.5	1259.4	967.2	452.1
80°	67.8	69.6	69.3	85.8	126.0	197.0	219.5	471.8	840.1	509.4	236.9
82.5°	41.6	41.6	40.2	40.5	45.9	75.5	82.7	201.0	409.1	250.9	67.8
85°	20.5	21.7	23.1	25.9	30.8	37.3	39.6	57.6	137.7	60.7	16.2
87.5°	12.3	12.5	13.7	16.5	20.5	26.8	28.5	39.1	49.3	40.8	4.0
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-SA1B-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	27.1	26.8	25.4	24.2	23.1	21.9	21.1	20.2	20.2	20.5	20.2
5°	27.1	25.9	23.7	21.7	20.0	18.5	17.1	16.0	15.7	15.7	16.0
7.5°	26.8	25.4	22.2	19.7	17.4	15.4	14.0	12.5	12.3	12.5	12.3
10°	26.5	24.8	21.1	18.0	14.8	12.8	10.8	9.4	9.4	9.4	9.7
12.5°	26.5	23.9	20.0	16.2	12.8	10.5	8.6	7.1	6.8	6.8	6.8
15°	26.2	23.4	18.8	14.3	10.8	8.0	6.3	4.8	4.8	4.8	4.8
17.5°	25.7	22.5	17.4	12.5	8.6	6.0	4.3	2.9	2.9	3.4	3.4
20°	25.1	21.7	15.7	10.3	7.1	4.6	2.9	1.7	1.7	2.6	2.9
22.5°	25.4	21.7	14.5	9.1	5.7	3.4	2.3	1.4	1.1	2.0	2.6
25°	25.7	21.1	13.1	8.0	4.3	2.6	1.7	0.6	0.3	0.6	0.9
27.5°	25.7	20.5	11.4	6.3	3.1	2.0	0.9	0.0	0.0	0.0	0.0
30°	25.4	19.7	10.0	5.1	2.3	1.1	0.3	0.0	0.0	0.0	0.0
32.5°	25.1	18.8	9.1	4.0	2.0	0.6	0.0	0.0	0.0	0.0	0.0
35°	25.4	17.7	8.0	3.1	1.1	0.0	0.0	0.0	0.0	0.0	0.6
37.5°	26.2	16.5	6.8	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	27.4	15.7	5.7	2.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	29.6	15.7	5.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	32.5	15.7	4.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	36.2	16.0	3.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	40.8	16.5	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	44.2	16.0	3.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	50.2	15.4	2.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	58.2	14.5	2.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	66.1	13.4	2.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	75.3	12.8	2.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	124.3	11.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	240.0	10.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	388.0	10.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	407.9	10.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	271.4	8.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	145.4	8.0	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	78.4	7.4	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.5	5.4	1.4	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	13.7	3.7	1.7	1.4	1.1	0.6	0.0	0.0	0.0	0.0	0.0
85°	6.6	2.9	2.3	2.0	1.4	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	2.9	2.6	2.3	2.0	1.4	0.3	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

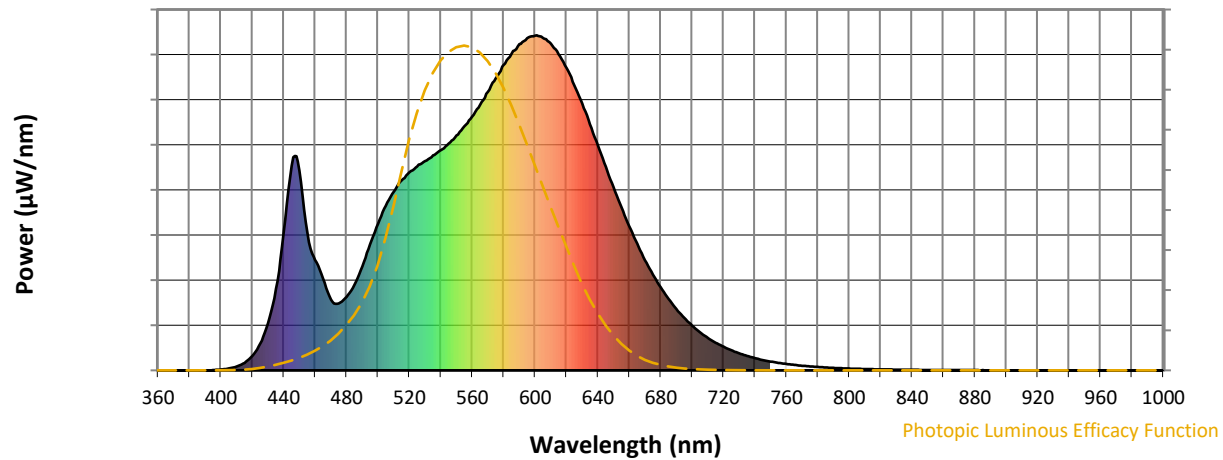
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

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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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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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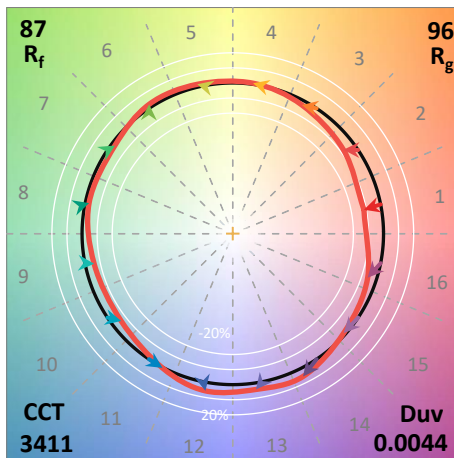
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE\ R_a = 83.5$
 $R_9 = 6.3$



Color Vector Graphics

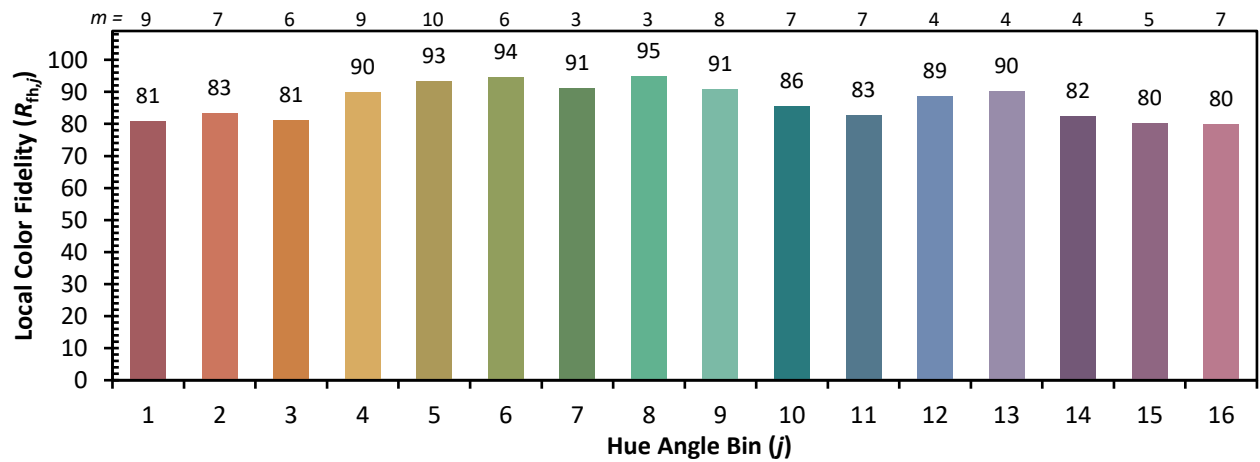
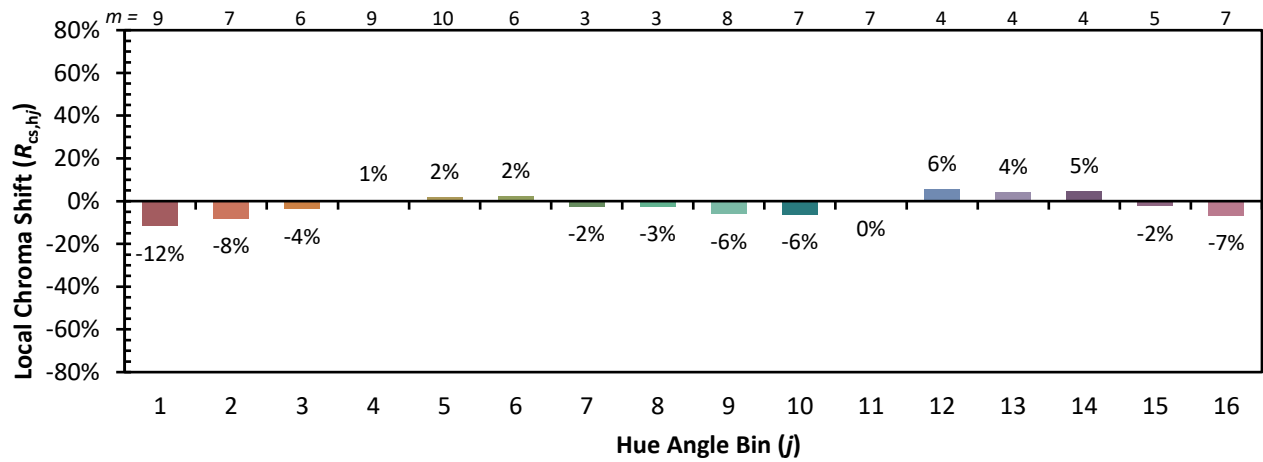


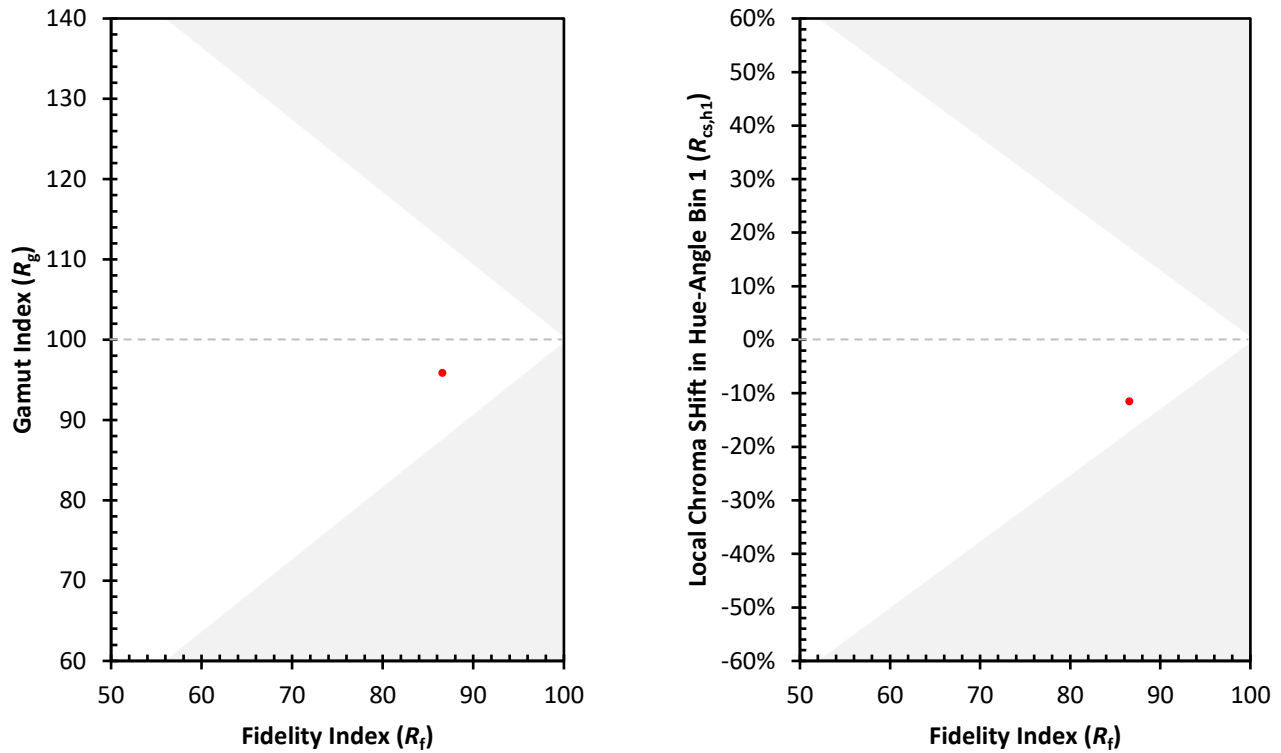
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)