

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: P1067392

Luminaire Tested: **NAV-SA1D-740-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067392
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1D-740-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6349.3 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 56.5
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

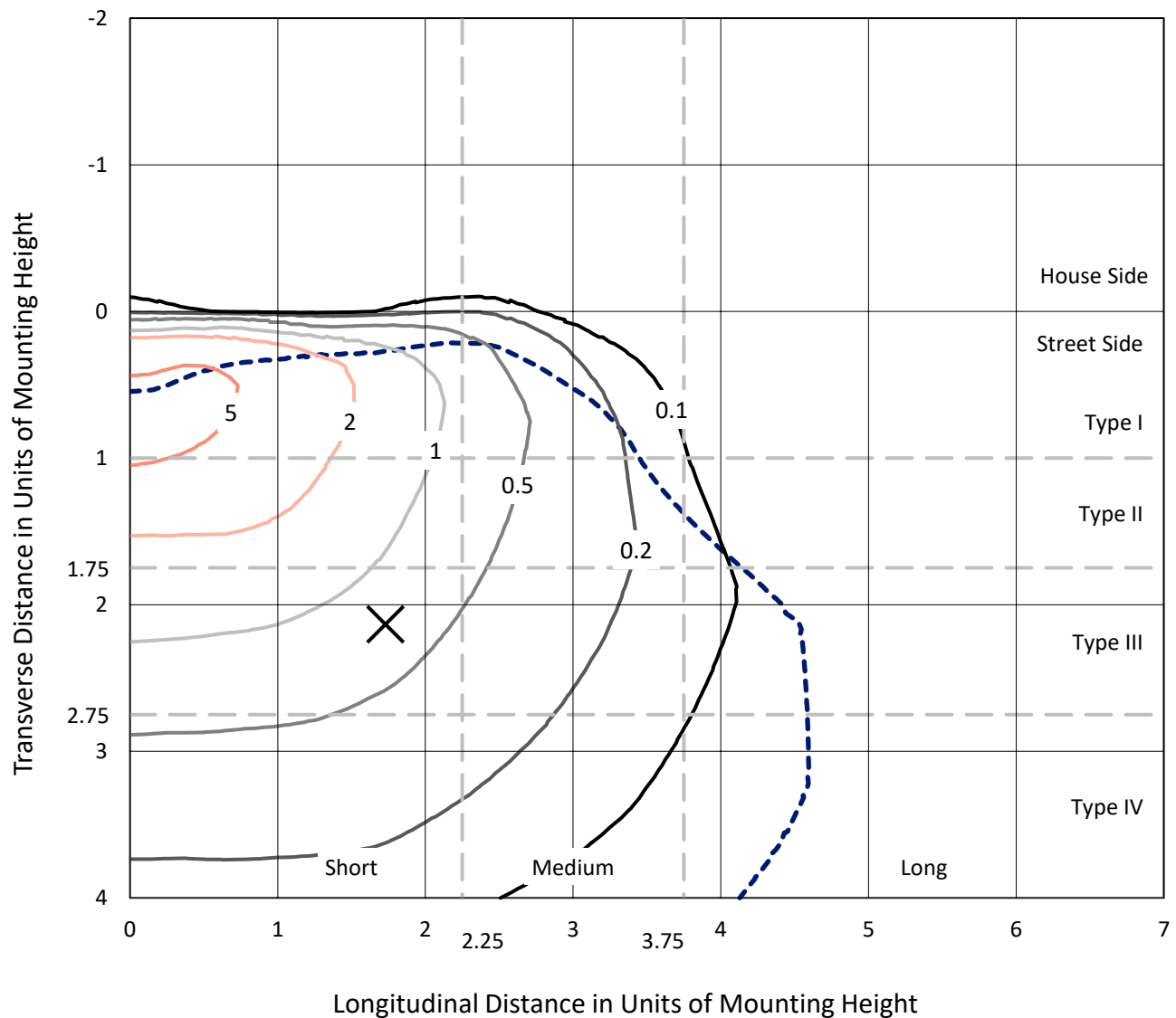


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

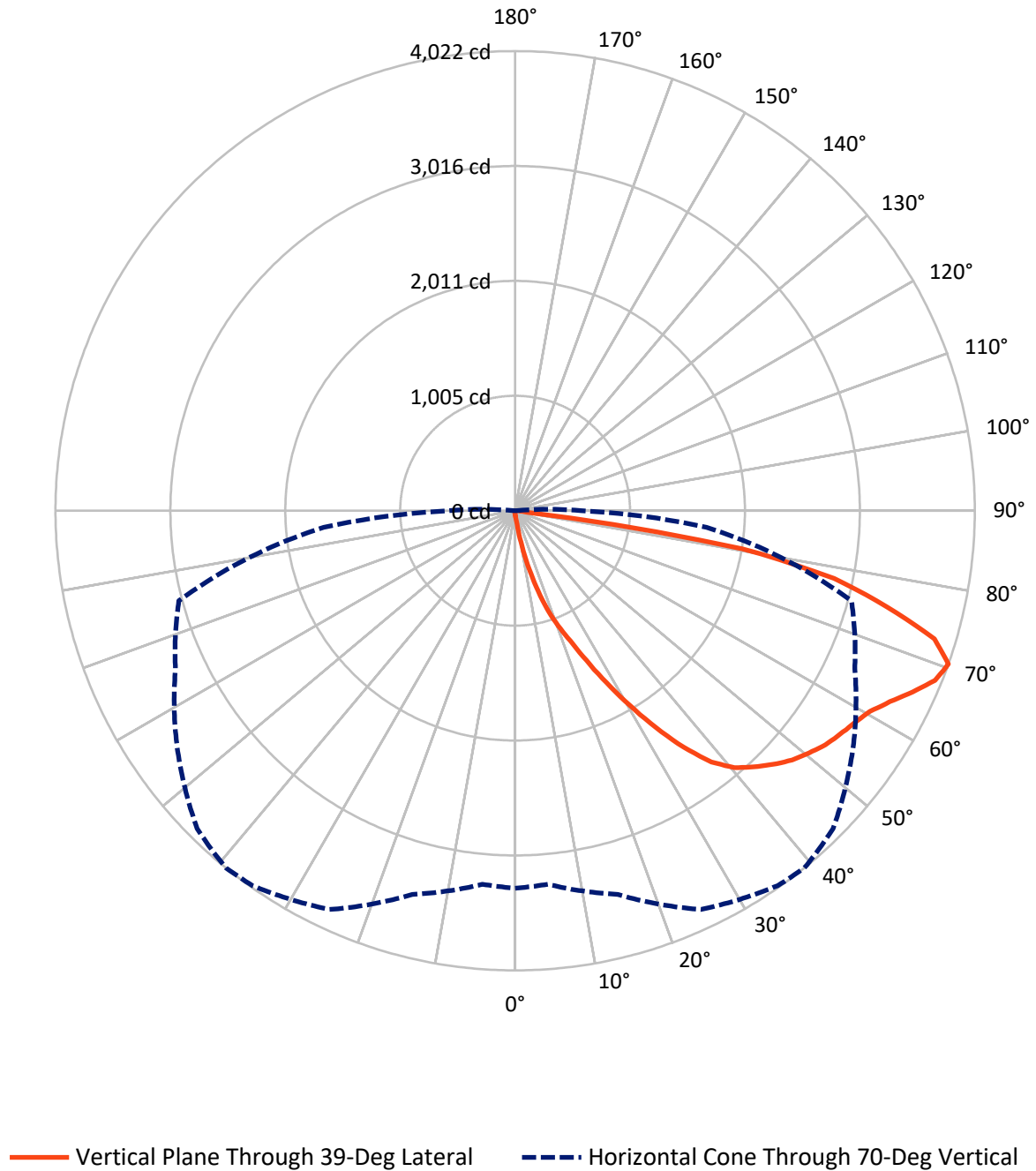


Based on 15 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - N/A

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CATALOG NUMBER: NAV-SA1D-740-U-T4BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19.5	0.0	19.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	6329.7	0.0	6329.7
	% Fixture	99.7	0.0	99.7
Total	Lumens	6349.3	0.0	6349.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.1
10°-20°	78.1	1.2
20°-30°	264.9	4.2
30°-40°	622.5	9.8
40°-50°	1010.9	15.9
50°-60°	1281.0	20.2
60°-70°	1627.1	25.6
70°-80°	1322.1	20.8
80°-90°	136.1	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°	6349.3	100.0
0°-180°	6349.3	100.0



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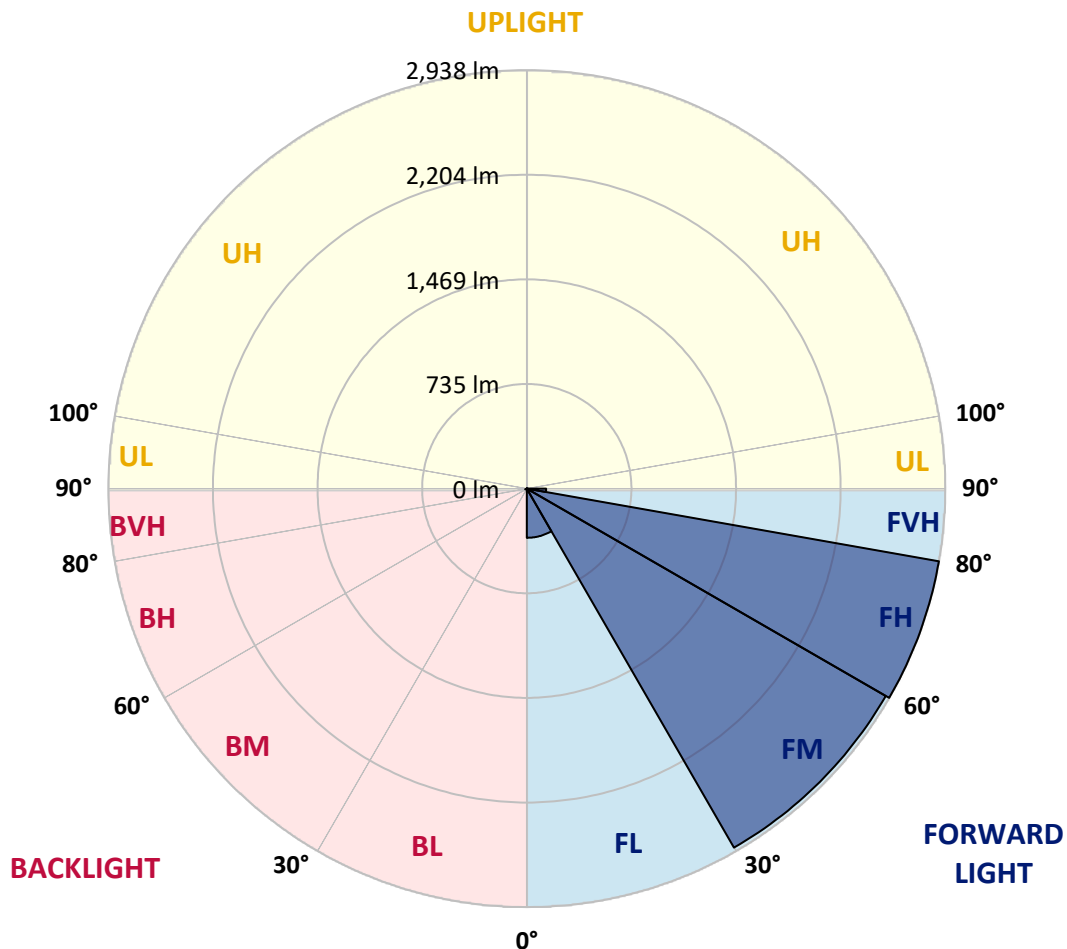
CATALOG NUMBER: NAV-SA1D-740-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.4	5.4			
FM	(30°-60°)	2910.6	45.8			
FH	(60°-80°)	2938.5	46.3			G2/5000
FVH	(80°-90°)	135.3	2.1			G2/225
BL	(0°-30°)	4.2	0.1	B0/110		
BM	(30°-60°)	3.8	0.1	B0/220		
BH	(60°-80°)	10.7	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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 IV Short



REPORT NUMBER: P1067392

CATALOG NUMBER: NAV-SA1D-740-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
2.5°	44.8	44.8	44.8	43.1	43.1	41.4	41.4	39.6	37.9	37.9	36.2
5°	84.5	86.2	81.0	70.7	63.8	60.3	56.9	48.3	43.1	39.6	36.2
7.5°	231.0	224.1	213.8	179.3	137.9	117.2	100.0	70.7	51.7	41.4	36.2
10°	486.1	467.2	437.8	391.3	310.3	277.5	215.5	129.3	72.4	46.5	36.2
12.5°	713.7	717.1	680.9	636.1	537.8	482.7	398.2	243.1	113.8	55.2	36.2
15°	886.0	882.6	868.8	832.6	744.7	691.2	615.4	408.5	191.3	69.0	37.9
17.5°	1022.2	1008.4	1003.3	987.7	930.9	901.6	818.8	601.6	303.4	93.1	39.6
20°	1158.4	1155.0	1149.8	1132.5	1094.6	1073.9	1010.2	796.4	451.6	132.7	43.1
22.5°	1356.6	1337.7	1341.1	1303.2	1272.2	1236.0	1184.3	1003.3	622.3	189.6	48.3
25°	1589.4	1587.6	1560.0	1542.8	1491.1	1451.4	1382.5	1203.2	811.9	274.1	53.4
27.5°	1863.4	1844.5	1832.4	1803.1	1749.7	1704.8	1610.0	1401.5	1017.0	368.9	60.3
30°	2149.6	2149.6	2127.2	2082.4	2030.6	1975.5	1879.0	1610.0	1220.5	489.6	69.0
32.5°	2484.0	2490.9	2435.7	2368.5	2301.3	2263.4	2137.5	1846.2	1415.2	627.5	79.3
35°	2808.1	2799.5	2708.1	2634.0	2584.0	2542.6	2435.7	2104.8	1635.9	787.8	93.1
37.5°	3118.4	3096.0	2944.3	2839.1	2816.7	2789.1	2682.2	2363.3	1854.8	965.3	110.3
40°	3340.7	3306.3	3149.4	3004.6	2971.9	2956.3	2873.6	2597.8	2085.8	1163.6	132.7
42.5°	3437.3	3397.6	3289.0	3171.8	3099.4	3063.2	2990.8	2789.1	2316.8	1384.2	165.5
45°	3456.2	3425.2	3347.6	3320.1	3221.8	3166.6	3068.4	2925.3	2532.3	1603.1	210.3
47.5°	3387.3	3373.5	3327.0	3385.6	3335.6	3259.7	3140.8	3027.0	2723.6	1868.6	272.4
50°	3218.4	3208.0	3230.4	3383.8	3418.3	3332.1	3220.1	3106.3	2889.1	2142.7	360.3
52.5°	2990.8	2989.1	3094.2	3339.0	3454.5	3401.1	3297.7	3185.6	3020.1	2408.2	484.4
55°	2742.6	2771.9	2956.3	3297.7	3475.2	3451.1	3373.5	3256.3	3137.3	2654.7	684.4
57.5°	2721.9	2709.8	2887.4	3280.4	3487.3	3501.1	3449.3	3330.4	3237.3	2856.4	951.5
60°	2928.8	2901.2	2968.4	3316.6	3540.7	3564.8	3525.2	3387.3	3337.3	3014.9	1303.2
62.5°	3168.4	3142.5	3177.0	3456.2	3645.9	3680.3	3630.3	3445.9	3418.3	3125.3	1680.7
65°	3359.7	3339.0	3404.5	3664.8	3792.4	3821.7	3787.2	3554.5	3454.5	3214.9	1987.6
67.5°	3390.7	3364.9	3501.1	3804.5	3940.6	3961.3	3933.7	3659.7	3442.5	3221.8	2058.2
70°	3302.8	3280.4	3475.2	3849.3	4004.4	4021.7	3933.7	3609.7	3278.7	3046.0	1682.4
72.5°	3032.2	3049.4	3301.1	3740.7	3916.5	3837.2	3651.0	3358.0	3066.7	2582.3	1180.8
75°	2611.6	2630.5	2965.0	3442.5	3456.2	3359.7	3259.7	3089.1	2744.3	1701.4	818.8
77.5°	1856.5	1789.3	2289.2	2842.6	2792.6	2854.6	2863.3	2570.2	2297.8	886.0	548.2
80°	182.7	155.1	287.9	815.4	1801.4	2013.4	2096.2	1980.7	1694.5	396.5	287.9
82.5°	39.6	39.6	43.1	46.5	72.4	108.6	498.2	1220.5	1094.6	201.7	93.1
85°	22.4	22.4	27.6	32.8	43.1	48.3	56.9	75.8	294.8	72.4	17.2
87.5°	17.2	19.0	22.4	27.6	36.2	39.6	48.3	60.3	74.1	67.2	5.2
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-SA1D-740-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
2.5°	36.2	34.5	32.8	31.0	29.3	29.3	27.6	27.6	27.6	27.6	27.6
5°	34.5	32.8	31.0	27.6	25.9	24.1	22.4	22.4	22.4	22.4	22.4
7.5°	34.5	32.8	29.3	25.9	22.4	20.7	19.0	17.2	17.2	19.0	19.0
10°	34.5	31.0	25.9	22.4	19.0	17.2	15.5	13.8	13.8	13.8	13.8
12.5°	32.8	29.3	24.1	20.7	17.2	13.8	10.3	8.6	8.6	8.6	8.6
15°	31.0	27.6	22.4	17.2	12.1	8.6	6.9	5.2	5.2	5.2	5.2
17.5°	31.0	25.9	20.7	15.5	8.6	5.2	3.4	1.7	1.7	1.7	3.4
20°	31.0	25.9	19.0	12.1	5.2	3.4	3.4	1.7	0.0	1.7	1.7
22.5°	31.0	24.1	15.5	8.6	5.2	3.4	1.7	0.0	0.0	0.0	0.0
25°	32.8	24.1	13.8	6.9	3.4	1.7	0.0	0.0	0.0	0.0	0.0
27.5°	32.8	22.4	12.1	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0
30°	34.5	22.4	10.3	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	34.5	20.7	6.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	34.5	19.0	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	34.5	17.2	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	36.2	15.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	37.9	13.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	39.6	12.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	44.8	12.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	51.7	12.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	62.1	12.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	81.0	10.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	117.2	10.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	196.5	10.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	344.8	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	582.6	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	760.2	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	577.5	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	275.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	122.4	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	53.4	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	20.7	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
82.5°	8.6	3.4	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
85°	5.2	3.4	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0	0.0
87.5°	3.4	3.4	3.4	3.4	3.4	1.7	1.7	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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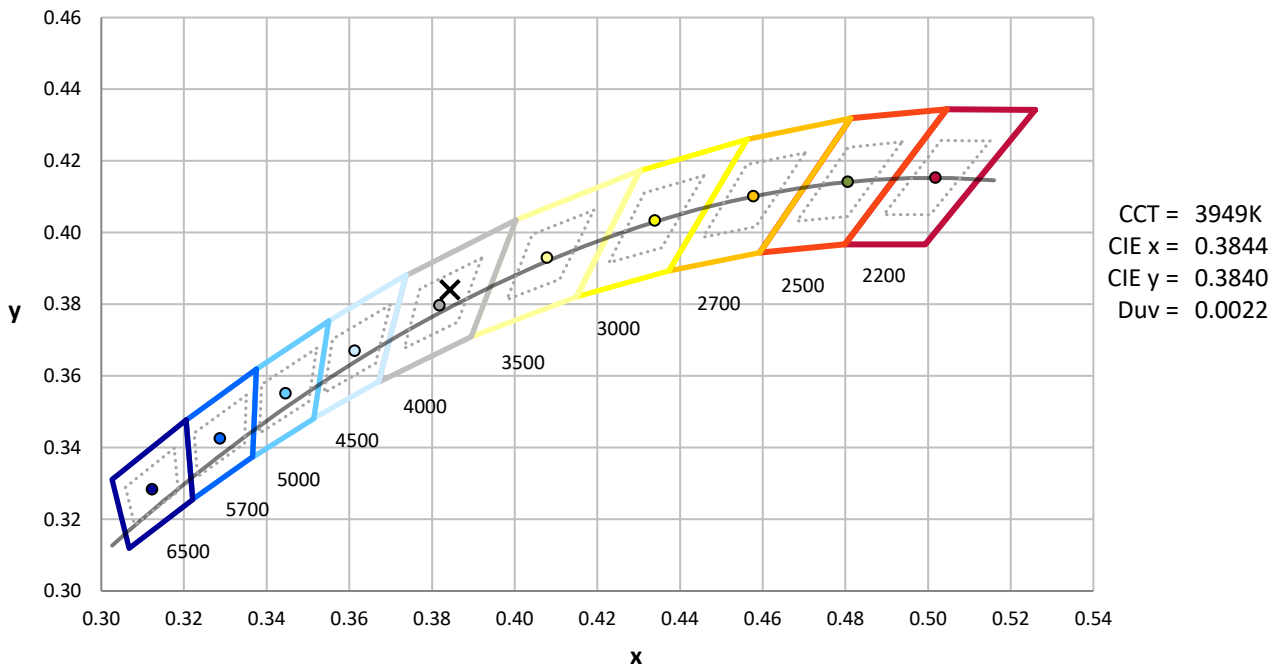
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 $\text{W}^\wedge/\text{nm}$	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	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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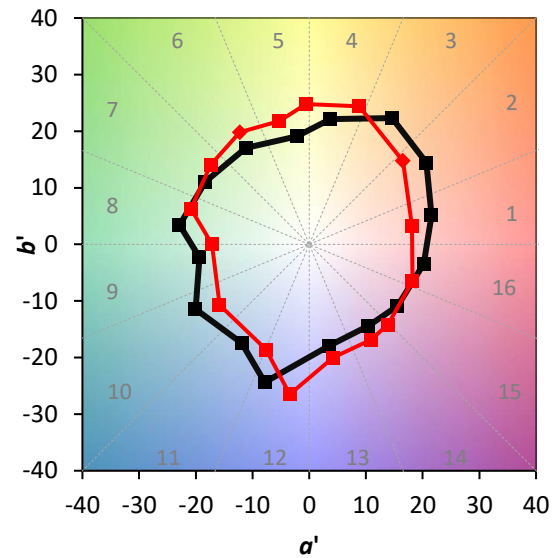
TM-30-18

Summary

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



Color Vector Graphics

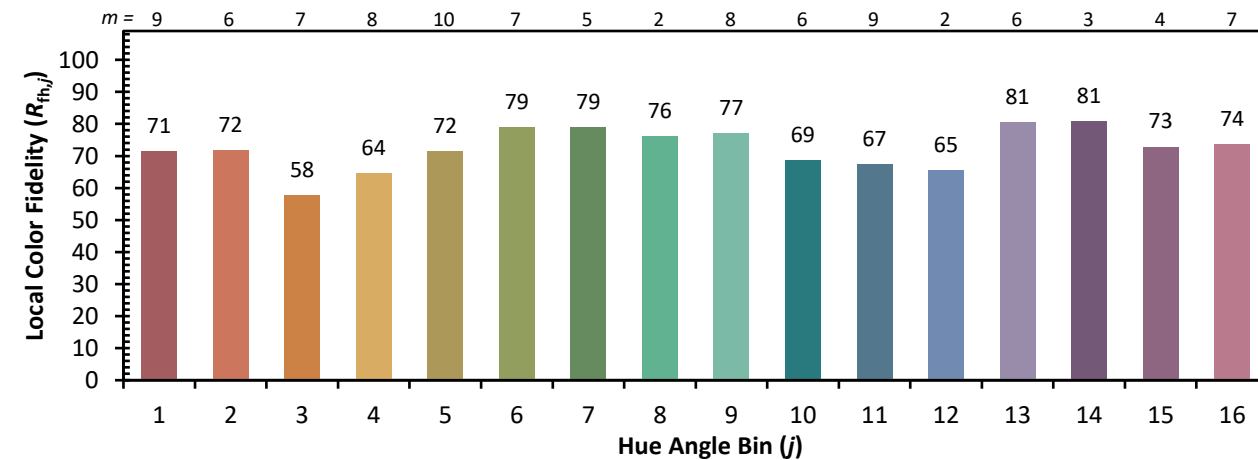
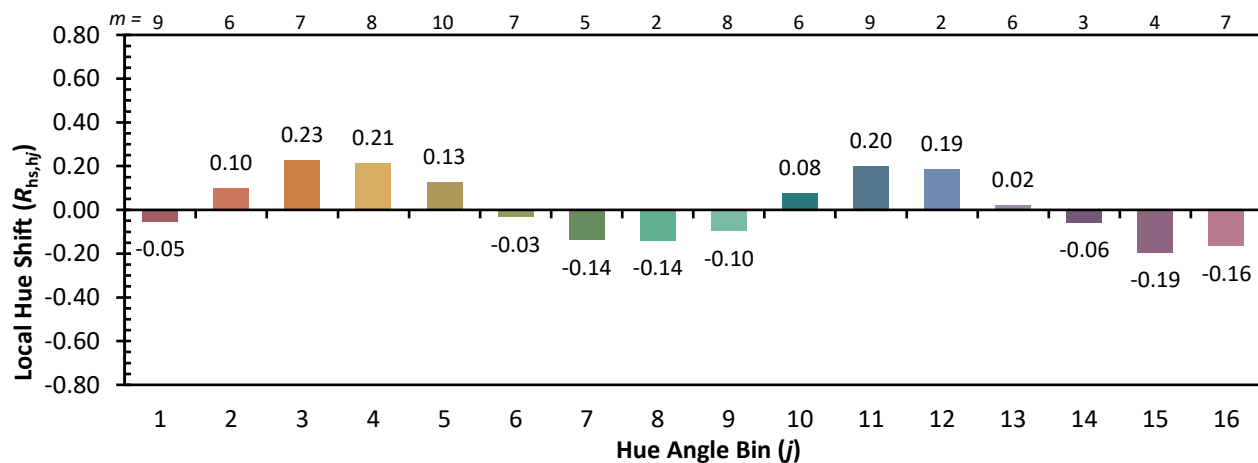
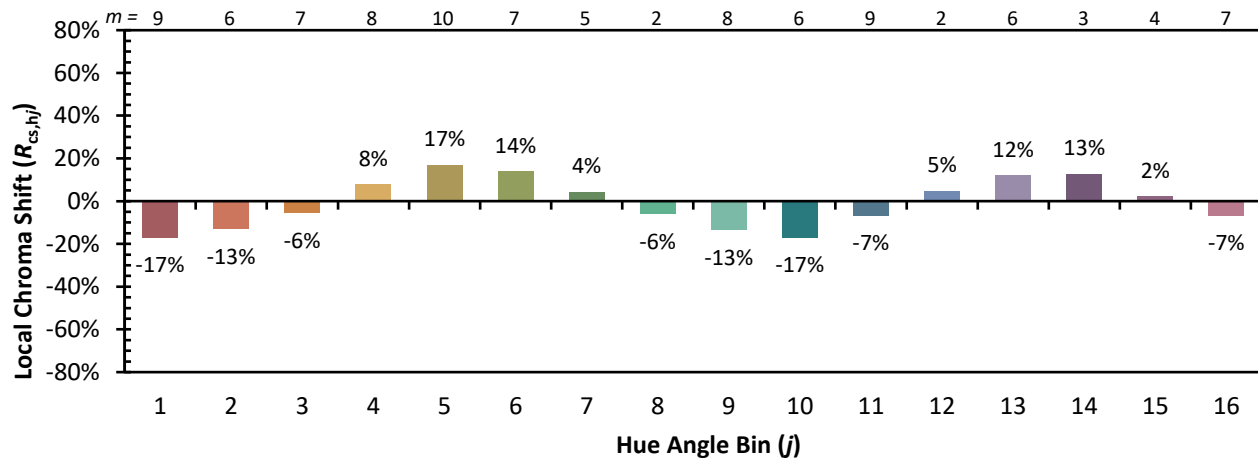


Individual Sample Fidelity Index ($R_{f,i}$)

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)