

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: STREETWORKS

Report Number: P867705

Luminaire Tested: **MEM2-HTN-SA-120-750-U-T4W**

Issue Date: 08/21/2024



Test Information

Test Method: LM-79-08
Report Number: P867705
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/21/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MEM2-HTN-SA-120-750-U-T4W
Description: EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 120W 70CRI 5000K
FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

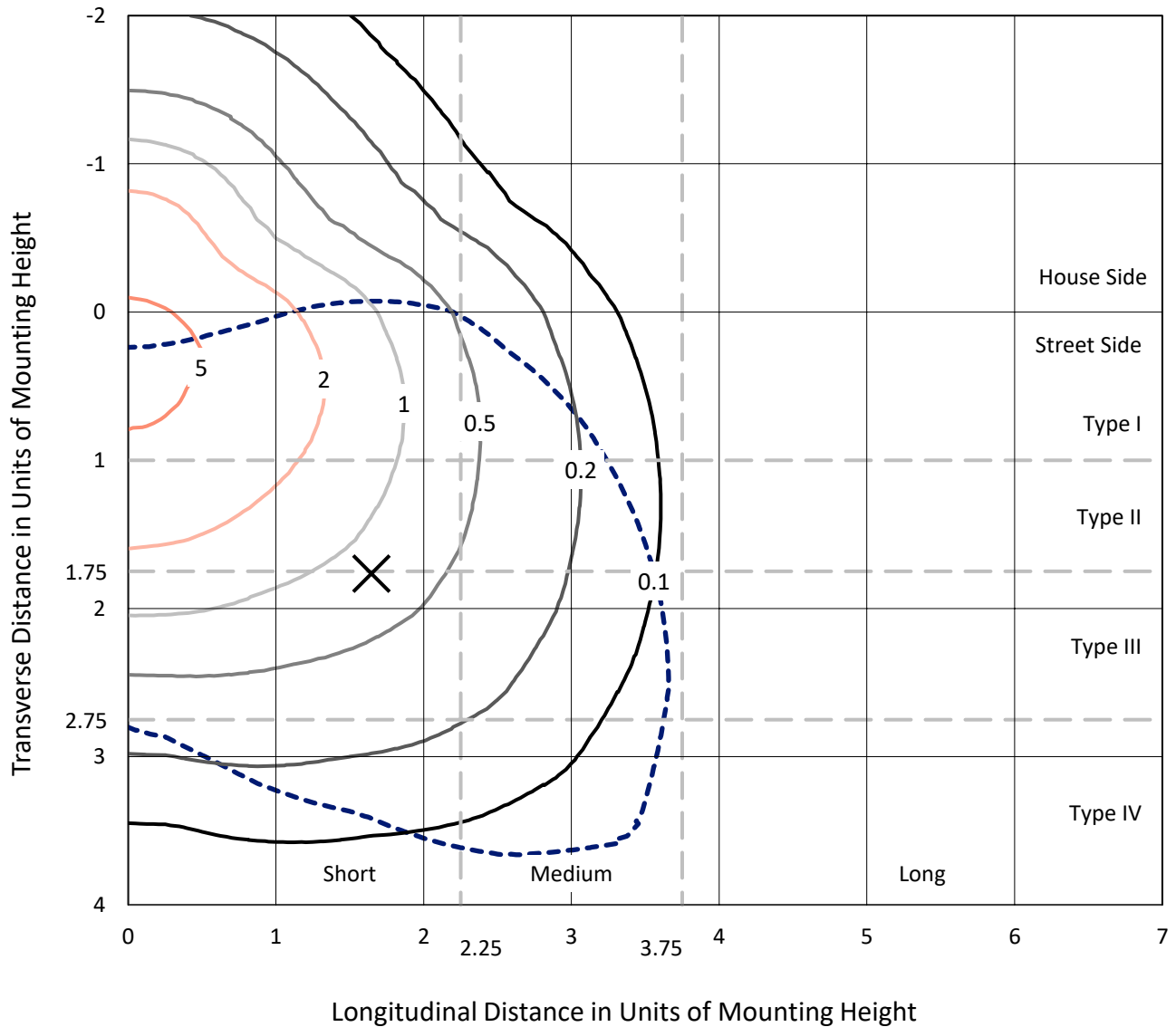
Lumens per Lamp: N/A
Luminaire Lumens: 13376 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 101
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 9.45%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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 CATALOG NUMBER: MEM2-HTN-SA-120-750-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

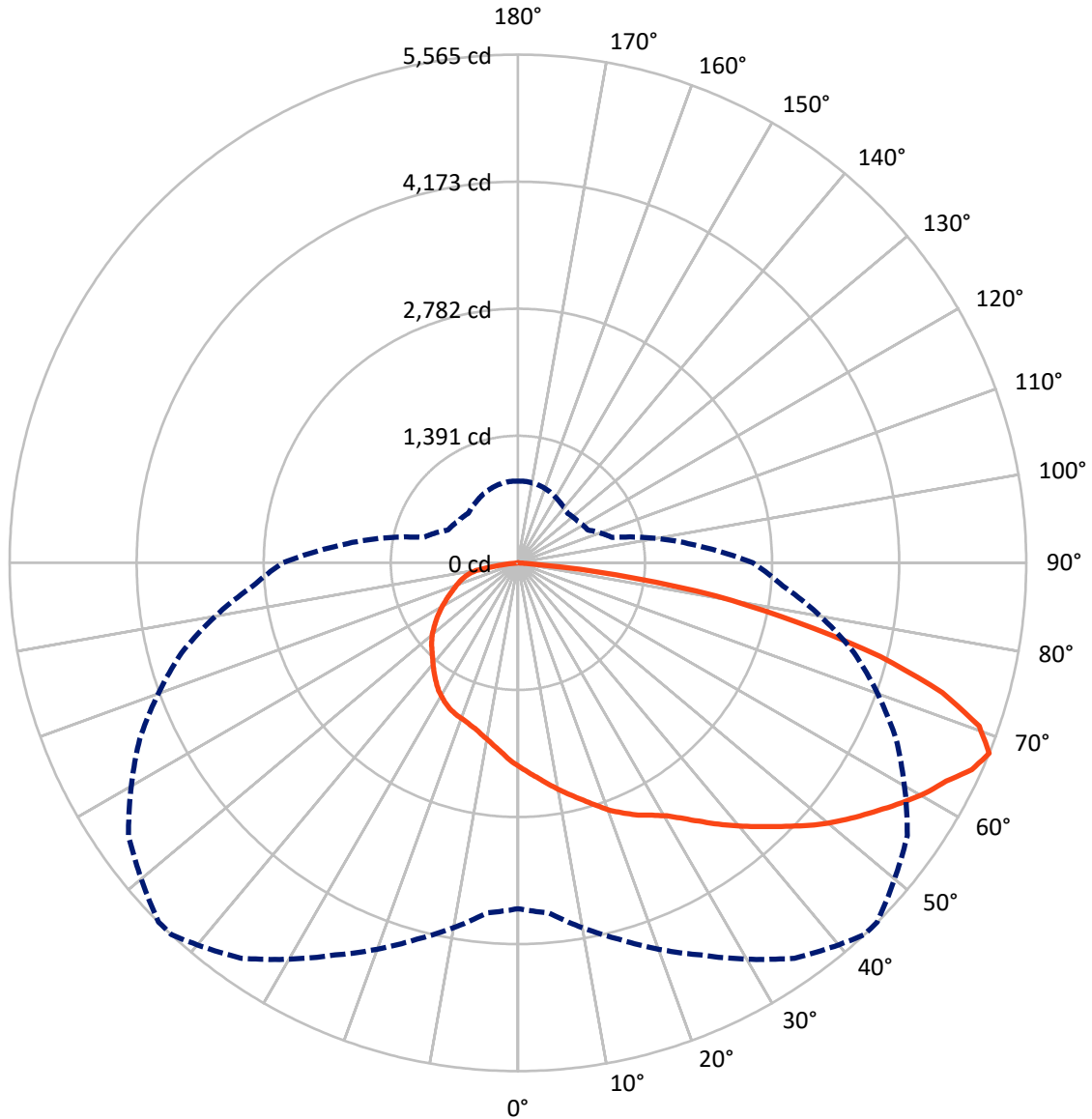
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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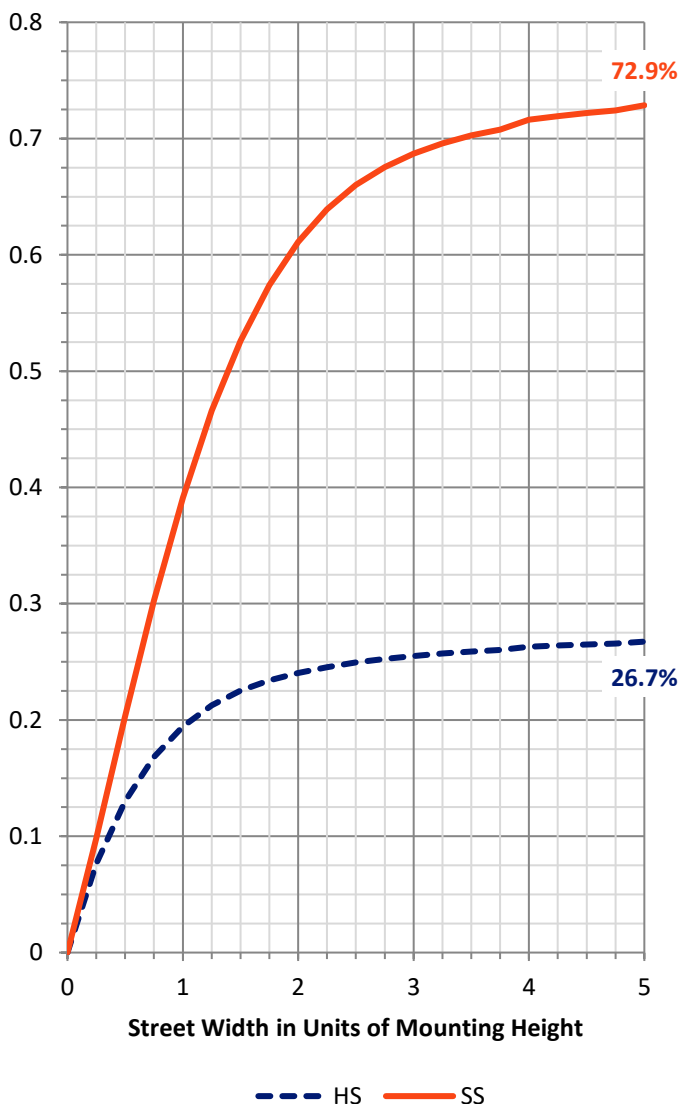
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3598.2	0.0	3598.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	9777.8	0.0	9777.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	13376.0	0.0	13376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.7	1.6
10°-20°	652.6	4.9
20°-30°	1113.4	8.3
30°-40°	1623.9	12.1
40°-50°	2181.5	16.3
50°-60°	2670.5	20.0
60°-70°	2810.5	21.0
70°-80°	1834.8	13.7
80°-90°	275.2	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°	13376.0	100.0
0°-180°	13376.0	100.0

Coefficient of Utilization



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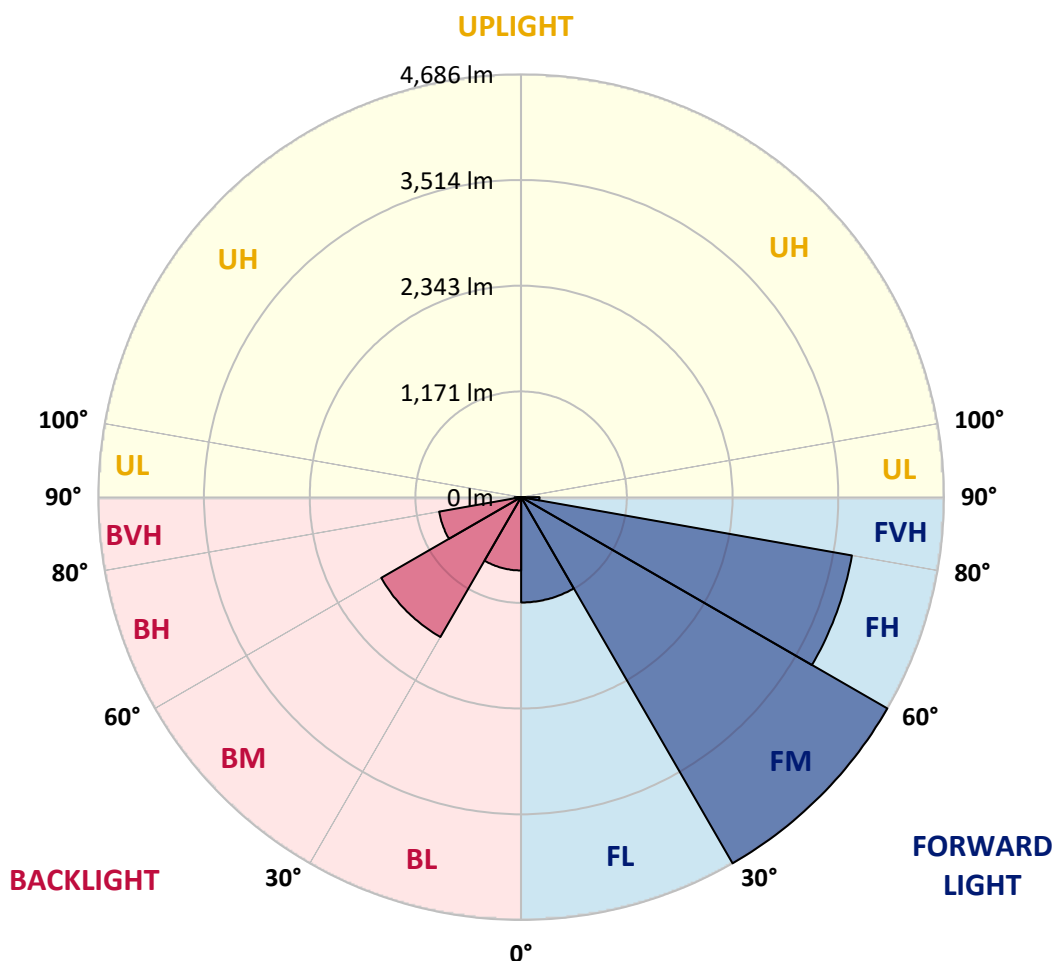
CATALOG NUMBER: MEM2-HTN-SA-120-750-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1167.3	8.7			
FM (30°-60°)	4685.5	35.0			
FH (60°-80°)	3721.9	27.8			G2/5000
FVH (80°-90°)	203.1	1.5			G2/225
BL (0°-30°)	812.3	6.1	B2/1000		
BM (30°-60°)	1790.3	13.4	B2/2500		
BH (60°-80°)	923.4	6.9	B2/1000		G2/1000
BVH (80°-90°)	72.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9
2.5°	2335.7	2333.0	2324.9	2319.5	2303.2	2300.5	2300.5	2284.3	2265.3	2254.5	2243.7
5°	2441.3	2427.7	2422.3	2411.5	2384.4	2368.2	2373.6	2343.8	2305.9	2278.9	2249.1
7.5°	2536.0	2530.6	2511.6	2498.1	2465.6	2449.4	2444.0	2397.9	2349.2	2308.6	2259.9
10°	2649.7	2636.1	2625.3	2598.2	2554.9	2530.6	2522.4	2462.9	2400.7	2346.5	2281.6
12.5°	2752.5	2736.3	2722.7	2695.7	2652.4	2611.8	2600.9	2533.3	2454.8	2381.7	2300.5
15°	2831.0	2833.7	2820.2	2795.8	2747.1	2698.4	2690.2	2600.9	2506.2	2416.9	2319.5
17.5°	2904.1	2914.9	2906.8	2890.5	2841.8	2793.1	2785.0	2684.8	2571.2	2457.5	2341.1
20°	2974.4	2974.4	2971.7	2960.9	2925.7	2893.2	2877.0	2776.9	2633.4	2500.8	2370.9
22.5°	3015.0	3025.9	3025.9	3025.9	3004.2	2977.1	2971.7	2874.3	2717.3	2554.9	2397.9
25°	3077.3	3090.8	3090.8	3085.4	3066.5	3058.3	3050.2	2958.2	2798.5	2617.2	2427.7
27.5°	3209.9	3207.2	3185.5	3158.5	3131.4	3128.7	3117.9	3052.9	2893.2	2684.8	2468.3
30°	3393.9	3399.3	3372.3	3288.4	3226.1	3212.6	3215.3	3158.5	3004.2	2763.3	2514.3
32.5°	3675.4	3675.4	3569.9	3461.6	3372.3	3337.1	3329.0	3280.3	3117.9	2849.9	2565.8
35°	3886.5	3878.4	3818.9	3691.7	3580.7	3480.5	3467.0	3402.1	3245.1	2947.4	2622.6
37.5°	4046.2	4062.4	4016.4	3919.0	3810.7	3637.5	3610.5	3518.4	3361.5	3042.1	2679.4
40°	4354.7	4314.1	4203.2	4113.9	3984.0	3791.8	3767.4	3653.8	3480.5	3147.6	2749.8
42.5°	4579.4	4522.5	4395.3	4276.3	4113.9	3946.1	3924.4	3799.9	3618.6	3266.7	2822.9
45°	4901.5	4774.2	4598.3	4492.8	4262.7	4113.9	4086.8	3951.5	3762.0	3393.9	2914.9
47.5°	5212.7	4990.8	4804.0	4755.3	4425.1	4295.2	4273.5	4116.6	3916.3	3532.0	3004.2
50°	5172.1	5025.9	4963.7	4917.7	4565.8	4465.7	4444.1	4284.4	4073.3	3678.1	3093.5
52.5°	5069.3	5082.8	5085.5	4974.5	4698.5	4625.4	4603.7	4465.7	4235.7	3805.3	3180.1
55°	5177.5	5193.8	5191.0	5023.2	4852.7	4785.1	4771.5	4649.7	4392.6	3924.4	3242.4
57.5°	5342.6	5288.5	5280.4	5145.0	5017.8	4955.6	4939.3	4833.8	4525.2	4011.0	3291.1
60°	5372.4	5264.1	5299.3	5172.1	5142.3	5123.4	5118.0	4993.5	4649.7	4081.4	3310.0
62.5°	5039.5	5020.5	5158.6	5107.1	5207.3	5261.4	5264.1	5107.1	4717.4	4108.4	3291.1
65°	4471.1	4546.9	4844.6	4993.5	5304.7	5459.0	5453.6	5174.8	4709.3	4030.0	3174.7
67.5°	3786.4	3845.9	4265.4	4736.4	5283.1	5564.5	5561.8	5204.6	4568.6	3813.4	2912.2
70°	2871.6	3058.3	3653.8	4273.5	4990.8	5356.1	5402.2	5036.8	4246.5	3418.3	2514.3
72.5°	2184.1	2213.9	2933.8	3583.4	4468.4	4860.9	4852.7	4500.9	3707.9	2879.7	2094.8
75°	1550.8	1615.8	2208.5	2776.9	3661.9	4097.6	4078.7	3691.7	2958.2	2241.0	1602.2
77.5°	1155.7	1180.0	1615.8	2059.6	2739.0	3131.4	3123.3	2728.1	2176.0	1645.5	1193.6
80°	844.4	885.0	1163.8	1437.1	1856.7	2195.0	2184.1	1810.6	1396.5	1150.3	871.5
82.5°	473.6	503.4	676.6	868.8	979.7	1085.3	1039.3	868.8	636.0	495.3	427.6
85°	13.5	16.2	24.4	29.8	51.4	86.6	94.7	83.9	100.1	62.2	67.7
87.5°	5.4	5.4	5.4	5.4	5.4	8.1	8.1	8.1	8.1	8.1	8.1
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: MEM2-HTN-SA-120-750-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9	2232.9
2.5°	2238.3	2227.4	2205.8	2192.3	2184.1	2173.3	2157.1	2146.2	2138.1	2149.0	2146.2
5°	2235.6	2213.9	2176.0	2149.0	2121.9	2100.2	2075.9	2056.9	2046.1	2051.5	2048.8
7.5°	2235.6	2208.5	2149.0	2105.6	2065.1	2032.6	2005.5	1981.1	1970.3	1973.0	1970.3
10°	2246.4	2208.5	2130.0	2067.8	2013.6	1975.7	1946.0	1924.3	1916.2	1924.3	1927.0
12.5°	2257.2	2208.5	2113.8	2035.3	1964.9	1924.3	1897.2	1883.7	1889.1	1891.8	1894.5
15°	2262.6	2205.8	2097.5	1997.4	1918.9	1875.6	1859.4	1856.7	1870.2	1883.7	1886.4
17.5°	2276.2	2203.1	2073.2	1959.5	1878.3	1843.1	1835.0	1845.8	1872.9	1891.8	1897.2
20°	2292.4	2208.5	2046.1	1913.5	1837.7	1810.6	1824.2	1848.5	1881.0	1908.1	1913.5
22.5°	2308.6	2211.2	2021.7	1872.9	1794.4	1789.0	1818.8	1853.9	1891.8	1918.9	1924.3
25°	2327.6	2211.2	1989.3	1821.5	1751.1	1759.2	1805.2	1851.2	1886.4	1921.6	1927.0
27.5°	2346.5	2216.6	1954.1	1764.6	1697.0	1721.3	1778.2	1835.0	1872.9	1908.1	1916.2
30°	2379.0	2227.4	1924.3	1715.9	1642.8	1675.3	1743.0	1807.9	1848.5	1886.4	1894.5
32.5°	2411.5	2243.7	1900.0	1664.5	1588.7	1626.6	1702.4	1775.5	1818.8	1853.9	1859.4
35°	2454.8	2265.3	1881.0	1613.1	1534.6	1564.4	1645.5	1726.7	1775.5	1802.5	1816.1
37.5°	2500.8	2295.1	1864.8	1567.1	1475.0	1502.1	1588.7	1675.3	1726.7	1753.8	1759.2
40°	2557.6	2335.7	1853.9	1523.8	1418.2	1439.9	1526.5	1621.2	1669.9	1688.8	1699.7
42.5°	2619.9	2379.0	1845.8	1480.4	1356.0	1377.6	1469.6	1561.6	1610.4	1626.6	1634.7
45°	2698.4	2435.8	1840.4	1434.4	1304.5	1323.5	1415.5	1507.5	1548.1	1569.8	1577.9
47.5°	2771.4	2492.7	1824.2	1380.3	1247.7	1274.8	1358.7	1439.9	1485.9	1499.4	1507.5
50°	2844.5	2541.4	1791.7	1320.8	1196.3	1220.6	1296.4	1356.0	1391.1	1407.4	1412.8
52.5°	2914.9	2576.6	1740.3	1258.5	1142.1	1158.4	1220.6	1277.5	1301.8	1307.2	1323.5
55°	2960.9	2595.5	1667.2	1185.4	1088.0	1093.4	1139.4	1190.9	1204.4	1207.1	1207.1
57.5°	2993.4	2584.7	1580.6	1112.4	1033.9	1033.9	1060.9	1101.5	1107.0	1109.7	1115.1
60°	2998.8	2546.8	1469.6	1044.7	974.3	966.2	993.3	1017.6	1020.3	1025.8	1031.2
62.5°	2958.2	2462.9	1350.5	979.7	917.5	898.6	922.9	947.3	960.8	968.9	974.3
65°	2833.7	2292.4	1215.2	914.8	863.4	830.9	860.7	901.3	928.3	931.0	931.0
67.5°	2573.9	2016.3	1071.8	847.1	798.4	768.6	806.5	849.8	882.3	895.8	893.1
70°	2181.4	1710.5	939.2	776.8	733.5	714.5	755.1	803.8	830.9	841.7	847.1
72.5°	1756.5	1369.5	822.8	706.4	676.6	665.8	706.4	755.1	793.0	809.2	811.9
75°	1366.8	1077.2	725.3	633.3	609.0	611.7	655.0	703.7	744.3	752.4	728.0
77.5°	1060.9	858.0	633.3	546.7	533.2	552.1	595.4	646.9	671.2	679.3	663.1
80°	765.9	657.7	511.5	430.3	430.3	460.1	498.0	557.5	565.7	554.8	560.2
82.5°	362.7	319.4	251.7	208.4	194.9	216.5	230.1	249.0	270.6	276.1	262.5
85°	48.7	32.5	24.4	27.1	24.4	16.2	10.8	10.8	10.8	8.1	8.1
87.5°	8.1	8.1	5.4	5.4	5.4	5.4	5.4	5.4	2.7	2.7	2.7
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

Streetworks

Report Number: SP1-2407-157-6

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-750-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-750-U-5WQ-2

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-157-6
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/20/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Streetworks
 Catalog Number: **MEM2-HTN-SA-40-750-U-5WQ-2**
 Description: Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K): 5094
 CIE u': 0.2082
 CIE v': 0.4867
 Duv: 0.0032
 CIE x: 0.3430
 CIE y: 0.3564
 CIE z: 0.3006
 Peak Wavelength (nm): 451
 Dominant Wavelength (nm): 568
 Purity: 9.86439
 Rf: 73.7
 Rg: 93

CRI (Ra):	72.0		
R1:	68.6	R9:	-39.6
R2:	78.1	R10:	47.6
R3:	84.6	R11:	68.2
R4:	71.6	R12:	41.4
R5:	69.6	R13:	70.4
R6:	69.4	R14:	91.4
R7:	80.9	R15:	61.4
R8:	53.1		



Test Conditions

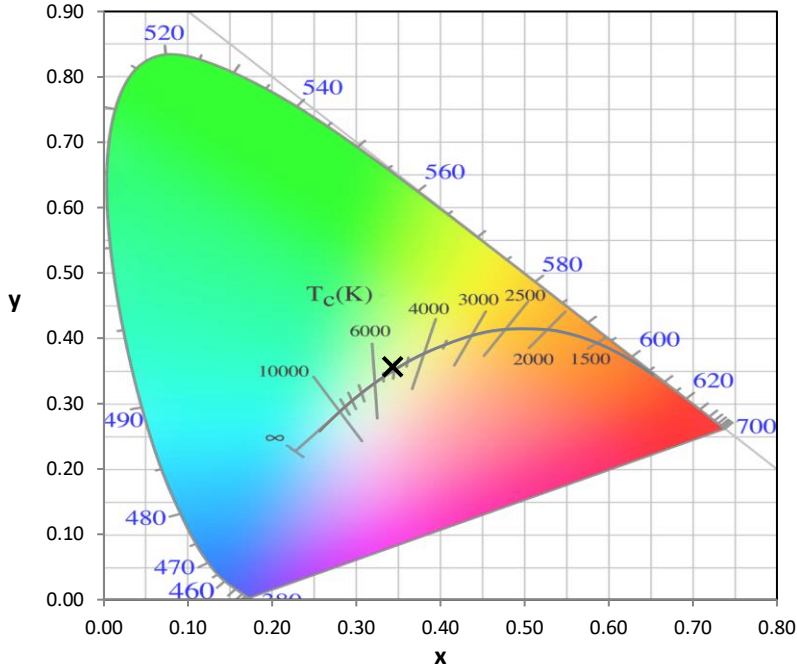
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

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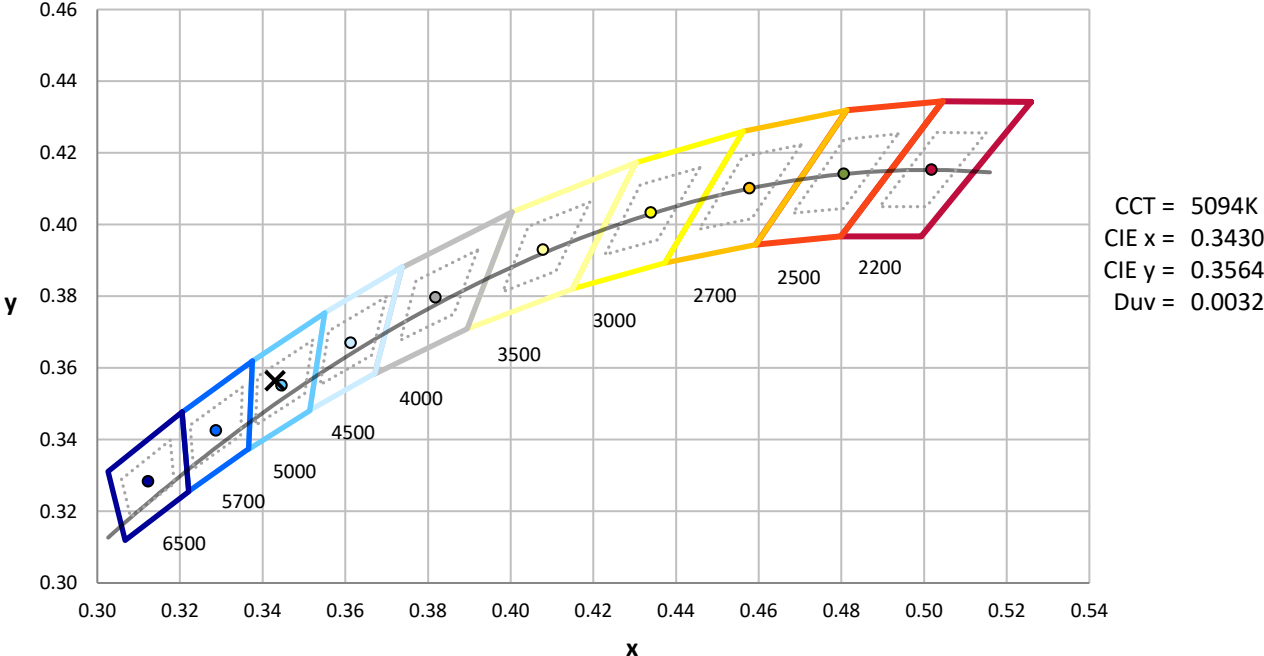
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 5000K 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	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.81

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	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.73

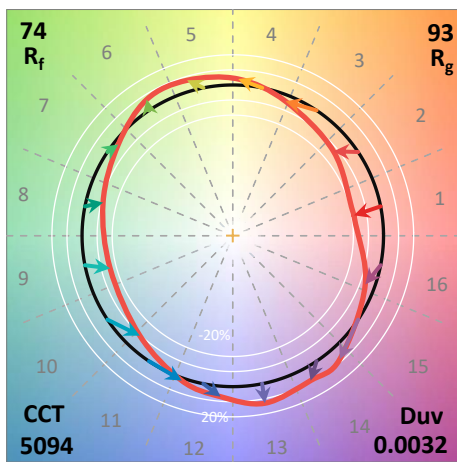
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	114	NR	620	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

Summary

$R_f = 73.7$
 $R_g = 93$
 $CIE R_a = 72.0$
 $R_9 = -39.6$



Color Vector Graphics

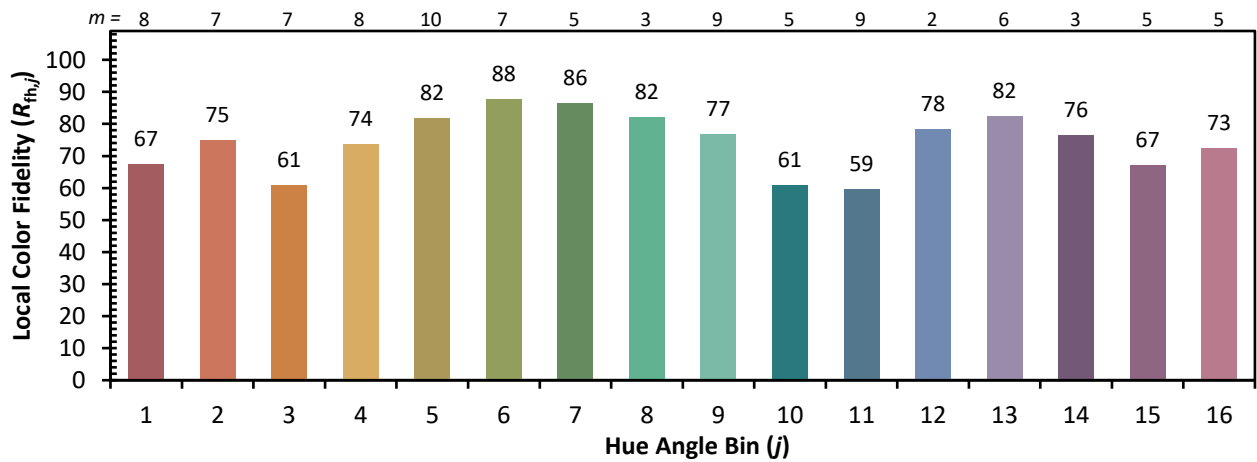


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 62	CES51 = 90	CES76 = 50
CES02 = 59	CES27 = 88	CES52 = 89	CES77 = 67
CES03 = 30	CES28 = 80	CES53 = 79	CES78 = 53
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 78
CES07 = 38	CES32 = 62	CES57 = 73	CES82 = 90
CES08 = 38	CES33 = 82	CES58 = 73	CES83 = 90
CES09 = 29	CES34 = 69	CES59 = 86	CES84 = 85
CES10 = 72	CES35 = 83	CES60 = 88	CES85 = 77
CES11 = 56	CES36 = 87	CES61 = 82	CES86 = 75
CES12 = 61	CES37 = 78	CES62 = 81	CES87 = 76
CES13 = 41	CES38 = 98	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 96	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 91	CES65 = 60	CES90 = 80
CES16 = 46	CES41 = 96	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 79	CES67 = 53	CES92 = 58
CES18 = 55	CES43 = 78	CES68 = 63	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 52
CES20 = 63	CES45 = 86	CES70 = 55	CES95 = 64
CES21 = 85	CES46 = 85	CES71 = 46	CES96 = 76
CES22 = 77	CES47 = 89	CES72 = 82	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 45	CES98 = 76
CES24 = 90	CES49 = 83	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 48	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)