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: P879635

Luminaire Tested: **MEM2-HSN-VA-130-740-U-WT4**

Issue Date: 10/01/2024

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P879635
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	10/01/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-VA-130-740-U-WT4
Description:	EPIC MODERN SHORT HOUSING 130W 70CRI 4000K VISUAL COMFORT FIXTURE w/ DRIVE LANE TYPE IV DISTRIBUTION OPTIC
Light Source:	(1) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13743.9 lumens
Efficiency:	N/A
Efficacy:	105.7 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

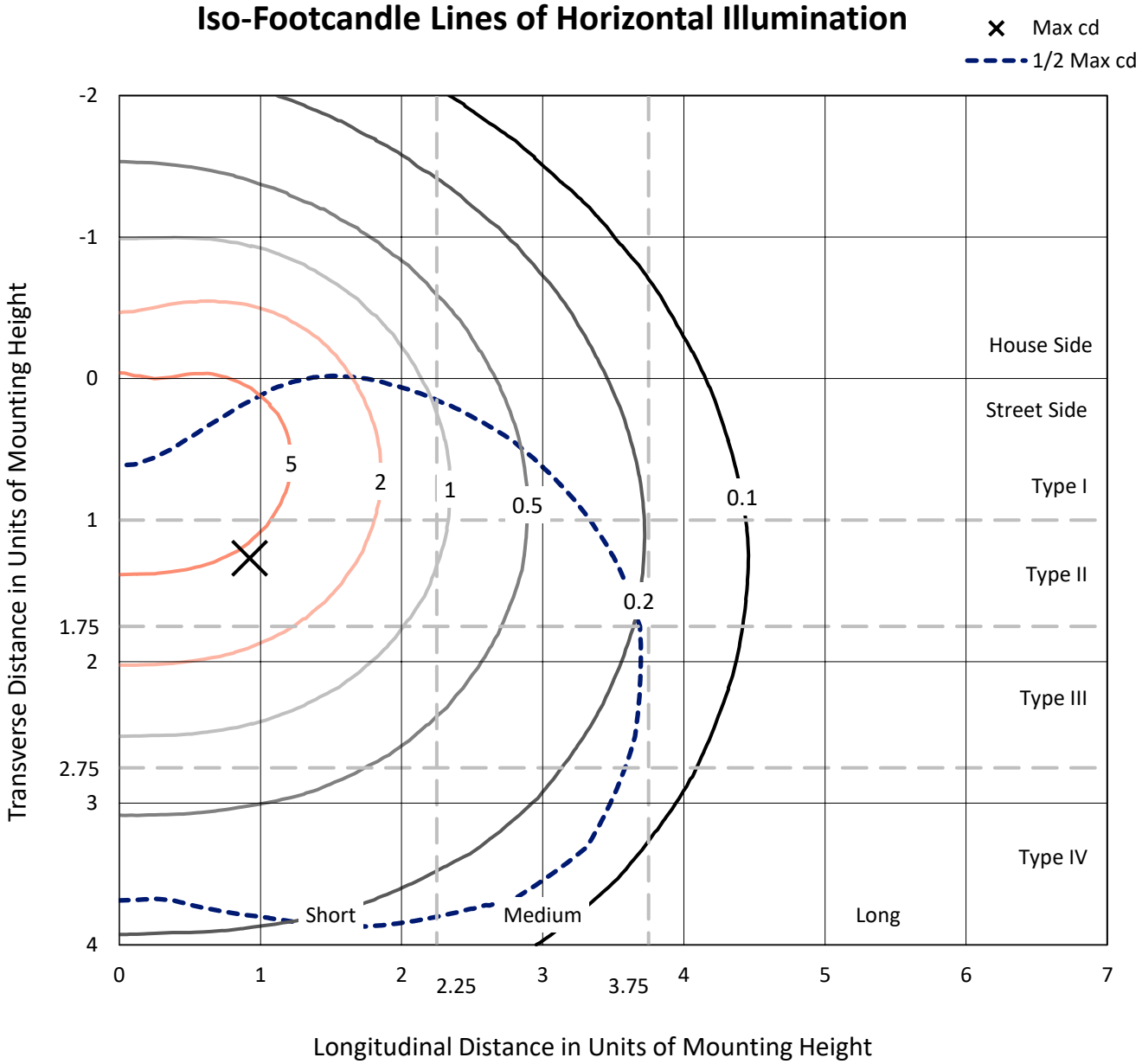
Input Watts (W):	130
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	8.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P879635
CATALOG NUMBER: MEM2-HSN-VA-130-740-U-WT4

Iso-Footcandle Lines of Horizontal Illumination



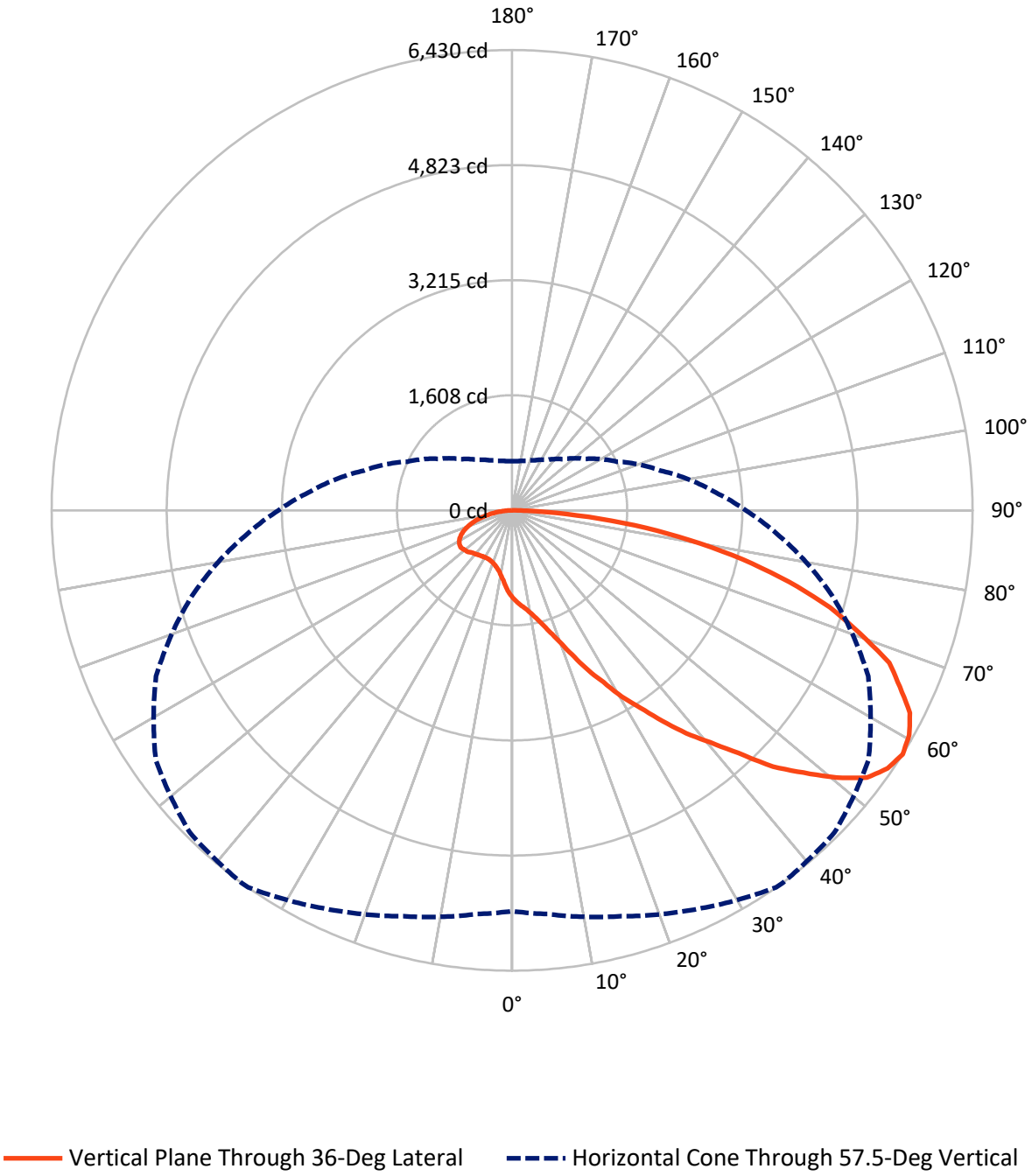
Based on 15 foot mounting height. Maximum calculated value = 8.9 fc
Type IV - Short - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P879635
CATALOG NUMBER: MEM2-HSN-VA-130-740-U-WT4

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

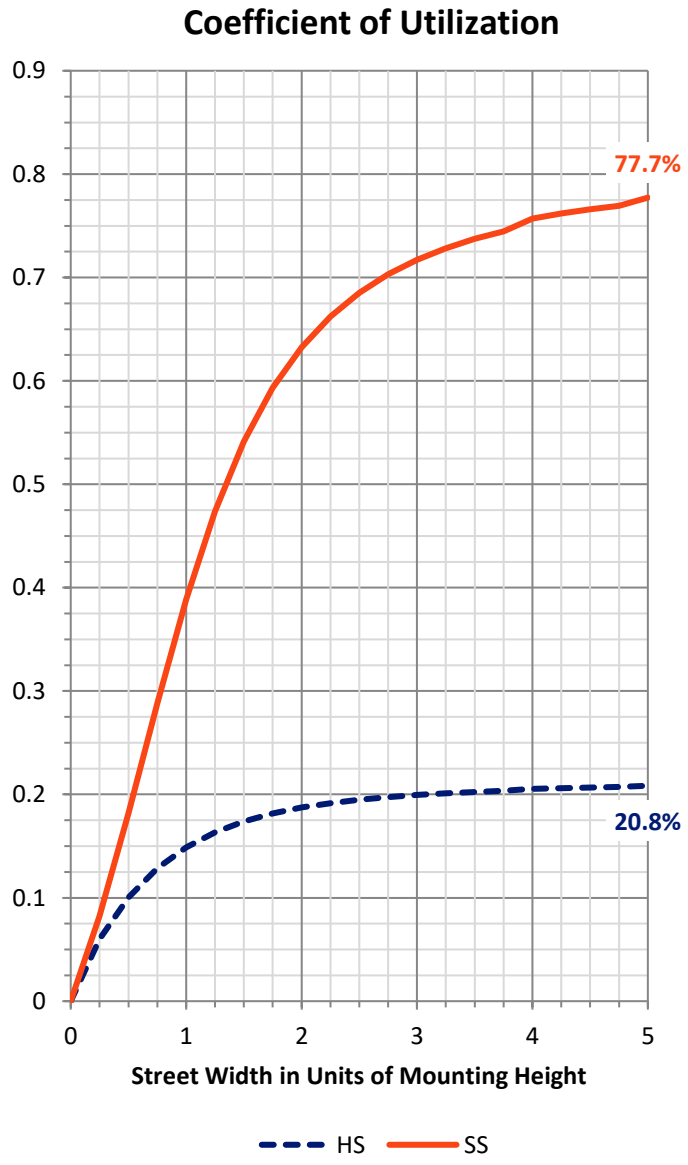
REPORT NUMBER: P879635
CATALOG NUMBER: MEM2-HSN-VA-130-740-U-WT4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2905.4	0.0	2905.4
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	10838.5	0.0	10838.5
	% Fixture	78.9	0.0	78.9
Total	Lumens	13743.9	0.0	13743.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.4	0.8
10°-20°	361.3	2.6
20°-30°	749.4	5.5
30°-40°	1363.3	9.9
40°-50°	2222.6	16.2
50°-60°	3050.7	22.2
60°-70°	3106.1	22.6
70°-80°	2185.3	15.9
80°-90°	590.9	4.3
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°	13743.9	100.0
0°-180°	13743.9	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

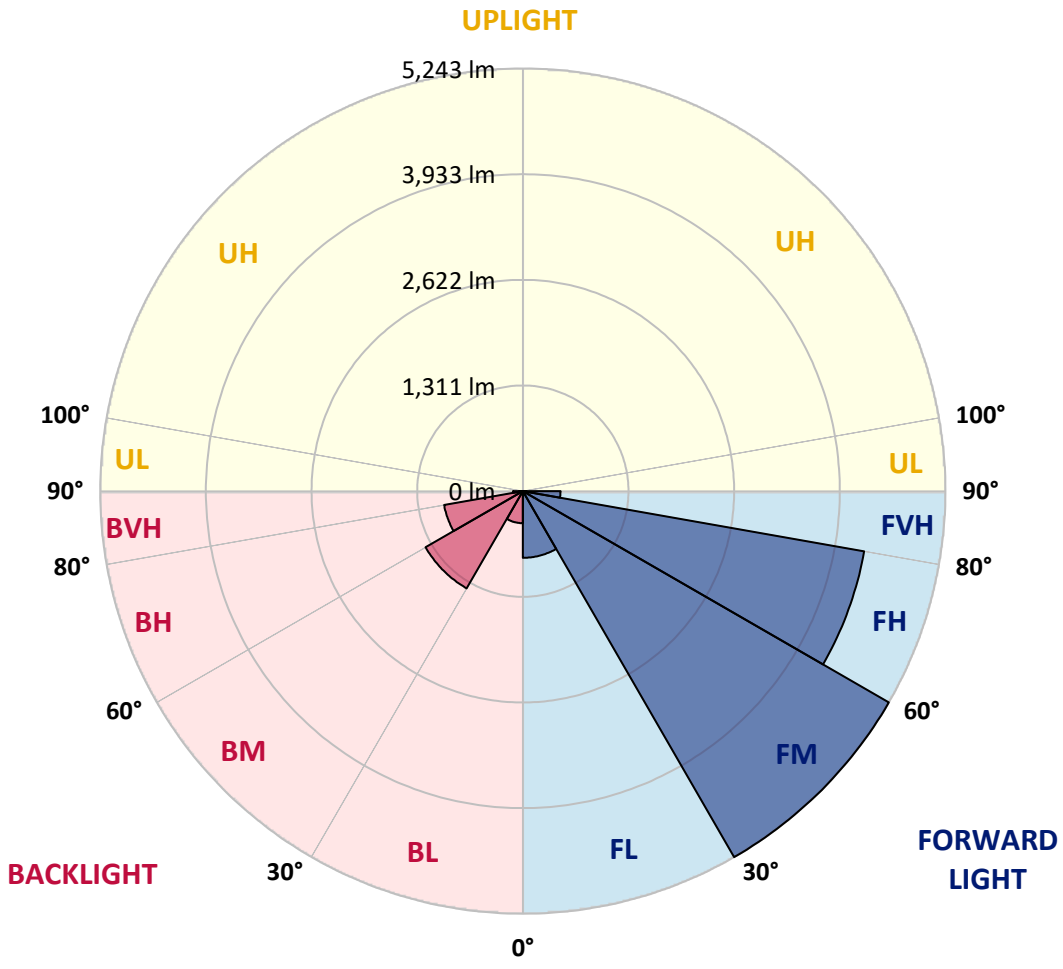
Scaled Data Report

REPORT NUMBER: P879635
CATALOG NUMBER: MEM2-HSN-VA-130-740-U-WT4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	827.4	6.0			
FM	(30°-60°)	5243.4	38.2			
FH	(60°-80°)	4299.9	31.3			G2/5000
FVH	(80°-90°)	467.8	3.4			G3/500
BL	(0°-30°)	397.7	2.9	B1/500		
BM	(30°-60°)	1393.2	10.1	B2/2500		
BH	(60°-80°)	991.5	7.2	B2/1000		G2/1000
BVH	(80°-90°)	123.0	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P879635
CATALOG NUMBER: MEM2-HSN-VA-130-740-U-WT4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	*1220.8*	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1289.2	1298.1	1290.2	1290.2	1278.3	*1282.3*	1269.4	1259.5	1247.6	1234.7	1221.8
5°	1356.6	1362.6	1359.6	1345.7	1330.8	*1335.8*	1315.0	1292.2	1268.4	1243.6	1218.9
7.5°	1430.9	1438.9	1429.9	1410.1	1390.3	*1390.3*	1364.5	1328.9	1293.2	1253.5	1212.9
10°	1514.2	1524.1	1513.2	1490.4	1457.7	*1465.6*	1425.0	1385.3	1331.8	1278.3	1222.8
12.5°	1628.1	1637.0	1618.2	1603.4	1563.7	*1557.8*	1515.2	1463.6	1399.2	1321.9	1248.6
15°	1749.0	1753.0	1757.9	1728.2	1680.6	*1679.7*	1630.1	1561.7	1481.5	1390.3	1297.1
17.5°	1906.6	1908.6	1890.7	1873.9	1823.3	*1820.4*	1772.8	1694.5	1585.5	1474.5	1360.6
20°	2064.1	2080.0	2075.0	2052.2	2015.6	*1999.7*	1947.2	1850.1	1735.1	1592.4	1443.8
22.5°	2276.2	2289.1	2292.1	2266.3	2237.6	*2224.7*	2167.2	2048.3	1896.7	1728.2	1559.7
25°	2515.0	2516.0	2527.9	2519.0	2468.4	*2477.4*	2400.1	2295.0	2117.7	1905.6	1692.5
27.5°	2774.6	2780.6	2791.5	2777.6	2731.0	*2719.2*	2636.9	2519.0	2330.7	2095.9	1830.3
30°	3009.5	3039.2	3033.3	3048.1	3035.3	*3019.4*	2938.2	2785.5	2532.9	2271.2	2000.7
32.5°	3312.7	3295.9	3306.8	3337.5	3287.0	*3288.0*	3204.7	3047.2	2800.4	2491.2	2144.4
35°	3545.6	3588.2	3611.0	3625.9	3603.1	*3613.0*	3546.6	3357.3	3061.0	2708.3	2313.9
37.5°	3818.1	3862.7	3883.5	3942.0	3967.7	*3951.9*	3884.5	3701.2	3342.5	2935.2	2508.1
40°	4134.2	4164.0	4212.5	4264.0	4275.9	*4259.1*	4190.7	3979.6	3640.7	3188.9	2683.5
42.5°	4472.1	4432.5	4569.3	4597.0	4666.4	*4632.7*	4612.9	4326.5	3920.2	3447.5	2868.8
45°	4769.4	4790.2	4930.9	5070.7	5145.0	*5108.3*	5025.1	4794.2	4321.5	3703.2	3070.9
47.5°	5039.0	5133.1	5220.3	5427.4	5499.7	*5475.0*	5410.6	5126.2	4671.3	4006.4	3302.8
50°	5339.2	5362.0	5531.5	5727.7	5898.1	*5870.4*	5806.0	5524.5	4966.6	4282.9	3470.3
52.5°	5587.9	5523.5	5742.5	6023.0	6222.1	*6202.3*	6109.2	5809.9	5286.7	4466.2	3604.1
55°	5594.9	5672.2	5836.7	6154.8	6370.8	*6363.9*	6318.3	5995.2	5455.2	4602.9	3691.3
57.5°	*5598.8*	*5661.3*	*5870.4*	*6142.9*	*6428.3*	*6430.2*	*6365.8*	*6075.5*	*5485.9*	*4629.7*	*3705.1*
60°	5491.8	5515.6	5803.0	6098.3	6359.9	*6371.8*	6307.4	6053.7	5430.4	4585.1	3650.6
62.5°	5297.6	5339.2	5625.6	5911.0	6209.3	*6234.0*	6169.6	5931.8	5311.5	4487.0	3545.6
65°	5034.0	5043.9	5293.6	5681.1	5907.0	*5949.6*	5938.7	5681.1	5119.2	4304.7	3387.1
67.5°	4667.4	4661.4	4969.6	5290.7	5611.7	*5680.1*	5624.6	5439.3	4803.1	4041.1	3190.8
70°	4202.6	4284.8	4561.3	4895.3	5112.3	*5149.9*	5173.7	4970.6	4485.0	3781.4	2934.2
72.5°	3738.8	3760.6	3980.6	4371.1	4610.9	*4639.6*	4679.2	4469.2	4053.0	3354.4	2617.1
75°	3165.1	3158.1	3397.0	3706.1	3915.2	*3994.5*	4010.4	3844.9	3499.0	2920.3	2270.3
77.5°	2540.8	2568.5	2754.8	3017.4	3225.5	*3284.0*	3349.4	3164.1	2880.7	2425.8	1851.1
80°	1866.0	1864.0	2033.4	2281.2	2521.0	*2514.0*	2536.8	2496.2	2202.9	1883.8	1432.9
82.5°	1228.8	1203.0	1352.6	1516.1	1705.4	*1723.3*	1792.6	1751.0	1575.6	1313.0	996.9
85°	505.4	500.4	636.2	735.3	888.9	*909.7*	970.1	940.4	873.0	729.3	551.0
87.5°	11.9	11.9	11.9	49.5	144.7	*205.1*	207.1	263.6	270.5	231.9	170.4
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P879635
CATALOG NUMBER: MEM2-HSN-VA-130-740-U-WT4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1215.9	1209.0	1194.1	1183.2	1173.3	1162.4	1156.4	1149.5	1146.5	1145.5	1137.6
5°	1205.0	1190.1	1163.4	1136.6	1112.8	1093.0	1073.2	1058.3	1044.5	1037.5	1034.5
7.5°	1191.1	1169.3	1128.7	1091.0	1050.4	1018.7	987.0	964.2	955.3	947.3	940.4
10°	1193.1	1164.4	1105.9	1051.4	1002.8	960.2	920.6	889.9	871.0	853.2	856.2
12.5°	1209.9	1173.3	1101.9	1031.6	971.1	915.6	865.1	828.4	800.7	781.9	779.9
15°	1244.6	1199.0	1110.9	1027.6	952.3	883.9	826.4	776.9	743.2	723.4	719.4
17.5°	1300.1	1245.6	1133.6	1037.5	945.4	866.1	798.7	743.2	700.6	678.8	673.8
20°	1374.4	1303.1	1174.3	1051.4	942.4	851.2	775.9	714.5	670.9	642.1	638.2
22.5°	1467.6	1381.4	1219.9	1072.2	948.3	845.3	761.0	693.7	643.1	619.3	615.4
25°	1585.5	1478.5	1281.3	1102.9	958.2	842.3	749.2	678.8	627.3	600.5	598.5
27.5°	1700.5	1577.6	1341.7	1138.6	975.1	846.3	745.2	668.9	616.4	589.6	585.6
30°	1833.2	1687.6	1421.0	1184.2	994.9	853.2	745.2	664.9	610.4	583.7	580.7
32.5°	1989.8	1798.6	1496.3	1232.7	1021.7	867.1	749.2	662.9	609.4	581.7	578.7
35°	2122.6	1928.4	1574.6	1281.3	1050.4	881.0	759.1	668.9	610.4	584.7	579.7
37.5°	2270.3	2049.3	1657.9	1324.9	1076.2	894.8	765.0	674.8	617.4	589.6	588.6
40°	2433.8	2181.1	1741.1	1381.4	1110.9	917.6	779.9	682.8	627.3	598.5	596.5
42.5°	2594.3	2322.8	1831.3	1444.8	1140.6	933.5	790.8	697.6	636.2	613.4	607.4
45°	2778.6	2466.5	1928.4	1490.4	1177.2	958.2	807.6	710.5	656.0	628.3	627.3
47.5°	2926.3	2593.3	2009.6	1547.9	1224.8	988.0	834.4	729.3	676.8	646.1	648.1
50°	3087.8	2710.2	2063.1	1597.4	1240.7	997.9	844.3	755.1	690.7	667.9	662.0
52.5°	3187.9	2801.4	2126.6	1609.3	1264.4	1019.7	860.1	764.0	708.5	683.8	675.8
55°	3267.1	2856.9	2149.4	1624.2	1272.4	1021.7	869.1	773.9	718.4	689.7	690.7
57.5°	*3263.2*	*2854.9*	*2145.4*	*1609.3*	*1252.6*	*1009.8*	*861.1*	*771.9*	*713.5*	*687.7*	*687.7*
60°	3215.6	2795.5	2092.9	1561.7	1218.9	982.0	841.3	751.1	699.6	678.8	675.8
62.5°	3104.6	2695.4	2022.5	1502.3	1170.3	946.4	815.5	723.4	680.8	659.0	654.0
65°	2959.0	2567.5	1896.7	1423.0	1099.0	893.8	771.9	695.6	653.0	630.2	627.3
67.5°	2772.7	2387.2	1754.0	1314.0	1019.7	835.4	723.4	654.0	611.4	595.6	595.6
70°	2539.8	2174.1	1613.3	1193.1	927.5	758.1	662.0	599.5	565.8	547.0	547.0
72.5°	2260.3	1941.3	1428.9	1062.3	825.5	675.8	588.6	542.0	510.3	499.4	492.5
75°	1952.2	1662.8	1217.9	900.8	704.6	582.7	513.3	470.7	446.9	438.0	436.0
77.5°	1614.3	1364.5	981.0	739.2	584.7	485.6	428.1	396.4	380.5	367.6	366.6
80°	1236.7	1040.5	752.1	576.7	450.9	372.6	337.9	316.1	305.2	301.2	297.3
82.5°	849.2	736.3	526.2	388.5	315.1	266.6	248.7	238.8	225.9	226.9	224.9
85°	476.6	404.3	282.4	225.9	187.3	166.5	159.5	153.6	155.6	151.6	153.6
87.5°	143.7	133.8	96.1	82.2	71.3	72.3	78.3	81.3	82.2	83.2	85.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-176-9

Test Date: 09/25/2024

Luminaire Tested: MEM2-HTN-VA-130-740-U-RW

Data in this report applies to families of products including MEM2-HTN-VA-130-740-U-RW

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

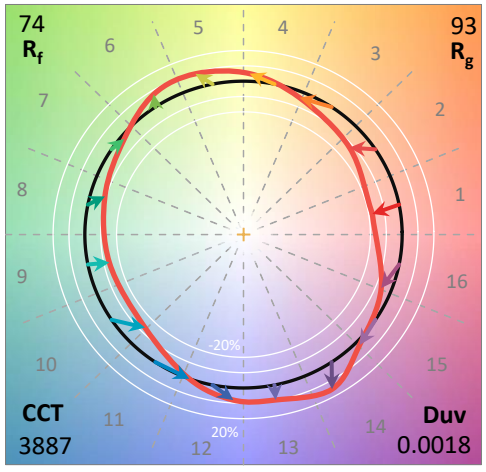
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	09/27/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-VA-130-740-U-RW**
Description:	EPIC MODERN VISUAL COMFORT 130W WAVESTREAM RECTANGULAR WIDE

Spectral Parameters

CCT (K):	3887	CRI (Ra):	71.4		
CIE u':	0.2262	R1:	67.6	R9:	-36.8
CIE v':	0.5060	R2:	78.8	R10:	50.4
Duv:	0.0018	R3:	88.2	R11:	65.0
CIE x:	0.3870	R4:	69.8	R12:	44.4
CIE y:	0.3847	R5:	67.7	R13:	69.4
CIE z:	0.2283	R6:	70.3	R14:	93.3
Peak Wavelength (nm):	583	R7:	80.1	R15:	59.9
Dominant Wavelength (nm):	578	R8:	49.0		
Purity:	31.59626				

Rf:	74.5
Rg:	93.5



Test Conditions

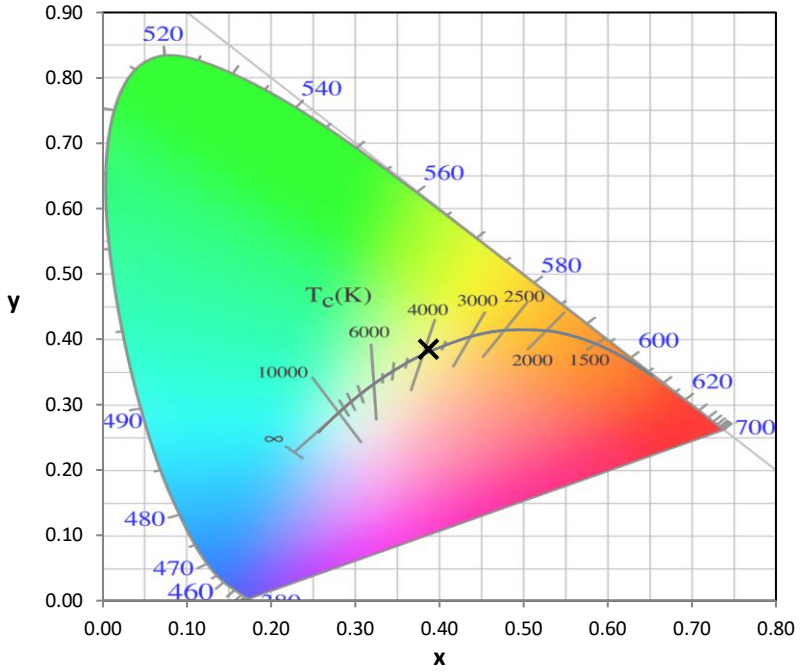
Stabilization Time:	50M
Operation Time:	1H 50M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-9

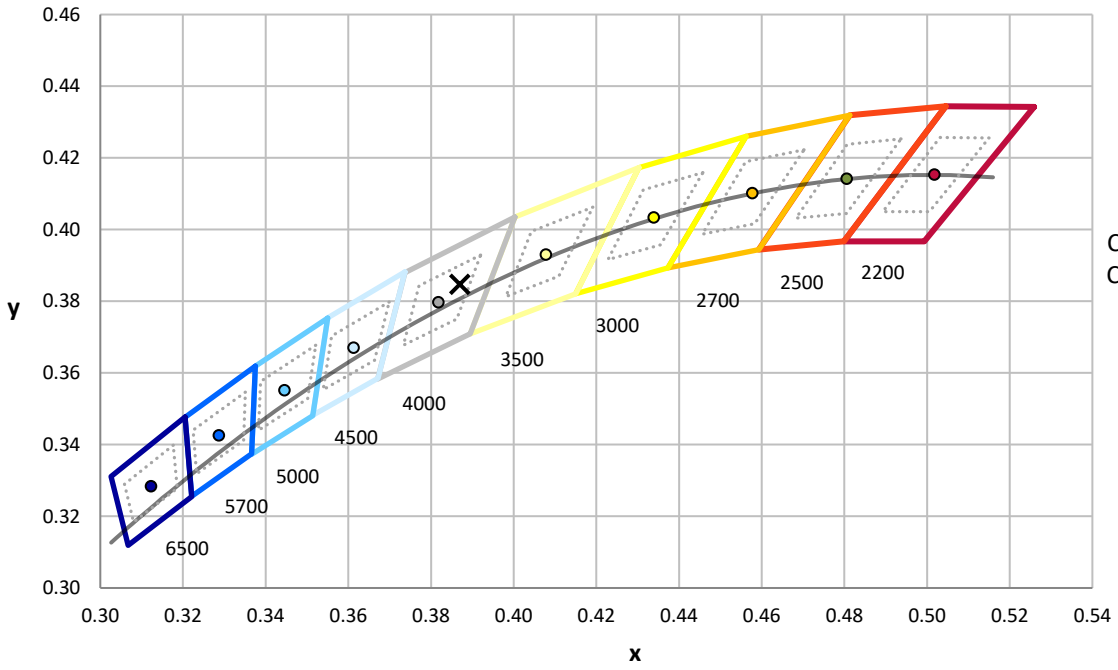
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-176-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

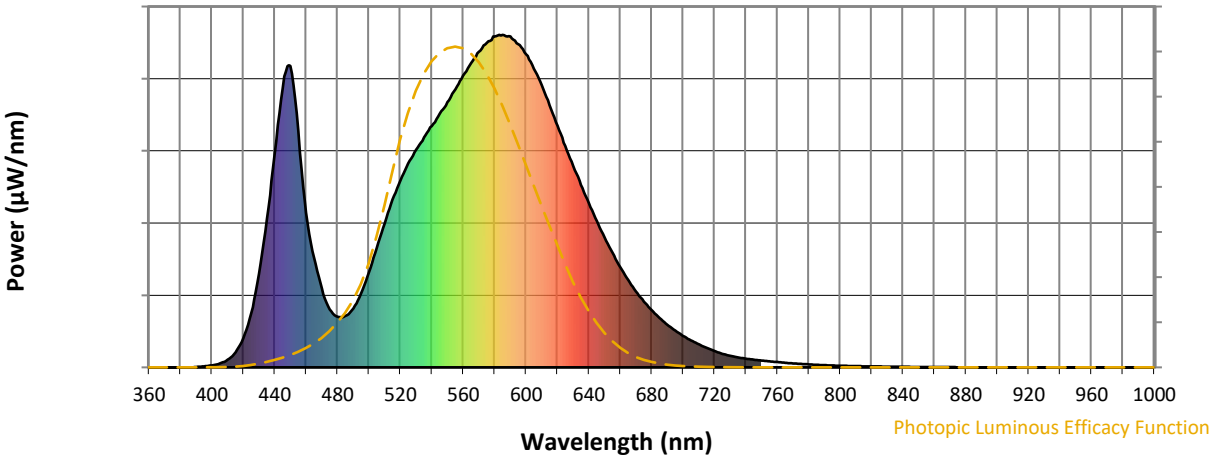


CCT = 3887K
CIE x = 0.3870
CIE y = 0.3847
Duv = 0.0018

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-176-9

Photopic Flux vs. Wavelength

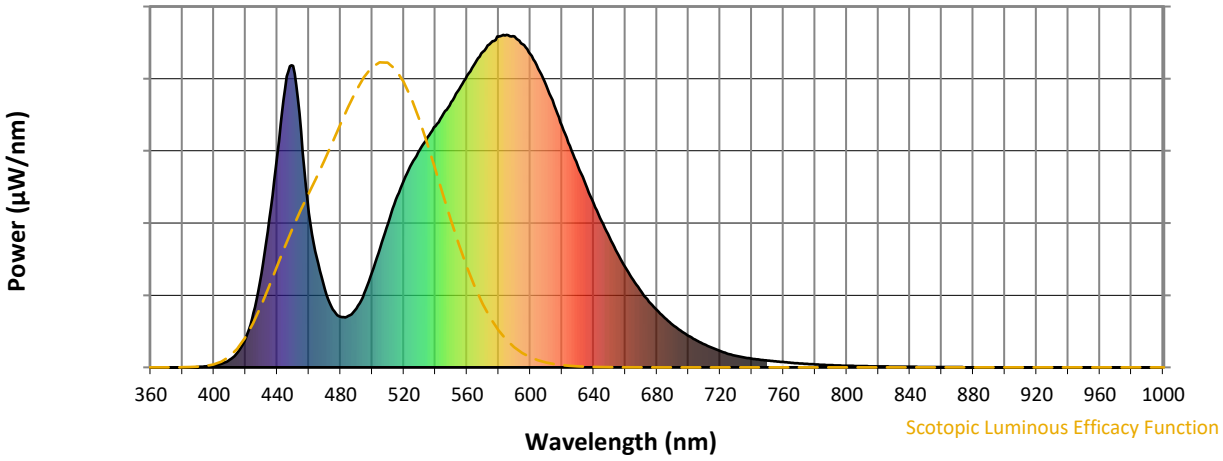


Photopic Lumens: NR

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	177	NR	620	727	NR	750	21	NR	880	0	NR
365	0	NR	495	222	NR	625	666	NR	755	18	NR	885	0	NR
370	0	NR	500	286	NR	630	606	NR	760	16	NR	890	0	NR
375	0	NR	505	359	NR	635	549	NR	765	14	NR	895	0	NR
380	0	NR	510	433	NR	640	493	NR	770	12	NR	900	0	NR
385	0	NR	515	505	NR	645	440	NR	775	10	NR	905	0	NR
390	1	NR	520	562	NR	650	390	NR	780	9	NR	910	0	NR
395	3	NR	525	613	NR	655	344	NR	785	8	NR	915	0	NR
400	6	NR	530	654	NR	660	301	NR	790	7	NR	920	0	NR
405	11	NR	535	692	NR	665	263	NR	795	6	NR	925	0	NR
410	23	NR	540	726	NR	670	228	NR	800	5	NR	930	0	NR
415	45	NR	545	763	NR	675	198	NR	805	4	NR	935	0	NR
420	88	NR	550	798	NR	680	172	NR	810	4	NR	940	0	NR
425	164	NR	555	837	NR	685	148	NR	815	3	NR	945	0	NR
430	281	NR	560	878	NR	690	128	NR	820	3	NR	950	0	NR
435	447	NR	565	915	NR	695	110	NR	825	2	NR	955	0	NR
440	642	NR	570	948	NR	700	95	NR	830	2	NR	960	0	NR
445	838	NR	575	976	NR	705	81	NR	835	2	NR	965	0	NR
450	907	NR	580	995	NR	710	69	NR	840	2	NR	970	0	NR
455	710	NR	585	1000	NR	715	58	NR	845	1	NR	975	0	NR
460	465	NR	590	995	NR	720	49	NR	850	1	NR	980	0	NR
465	330	NR	595	972	NR	725	41	NR	855	1	NR	985	0	NR
470	236	NR	600	941	NR	730	35	NR	860	1	NR	990	0	NR
475	174	NR	605	898	NR	735	30	NR	865	1	NR	995	0	NR
480	152	NR	610	848	NR	740	26	NR	870	1	NR	1000	0	NR
485	155	NR	615	788	NR	745	23	NR	875	0	NR			

REPORT NUMBER: SP1-2407-176-9

Scotopic Flux vs. Wavelength

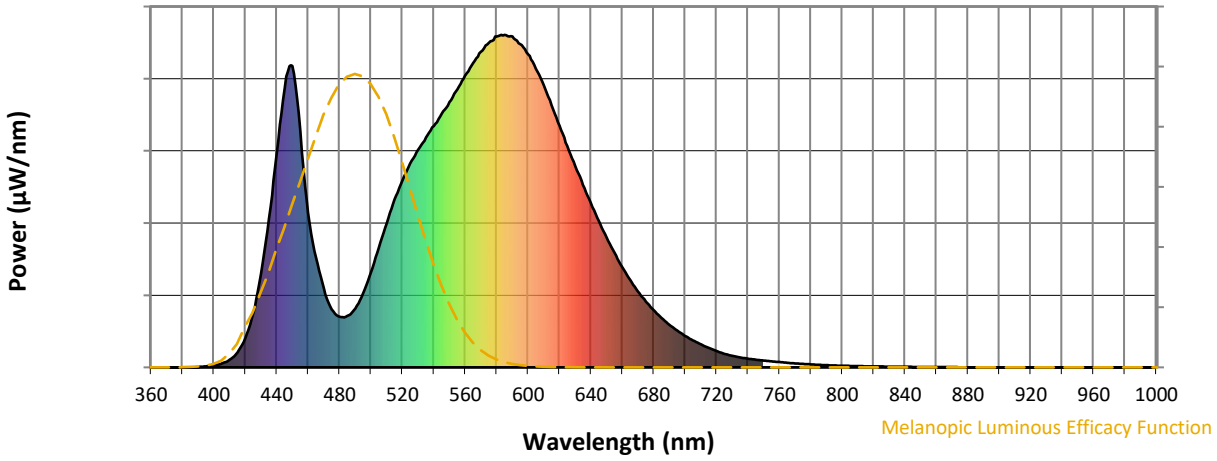


Scotopic Lumens: NR **S/P: 1.49**

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	177	NR	620	727	NR	750	21	NR	880	0	NR
365	0	NR	495	222	NR	625	666	NR	755	18	NR	885	0	NR
370	0	NR	500	286	NR	630	606	NR	760	16	NR	890	0	NR
375	0	NR	505	359	NR	635	549	NR	765	14	NR	895	0	NR
380	0	NR	510	433	NR	640	493	NR	770	12	NR	900	0	NR
385	0	NR	515	505	NR	645	440	NR	775	10	NR	905	0	NR
390	1	NR	520	562	NR	650	390	NR	780	9	NR	910	0	NR
395	3	NR	525	613	NR	655	344	NR	785	8	NR	915	0	NR
400	6	NR	530	654	NR	660	301	NR	790	7	NR	920	0	NR
405	11	NR	535	692	NR	665	263	NR	795	6	NR	925	0	NR
410	23	NR	540	726	NR	670	228	NR	800	5	NR	930	0	NR
415	45	NR	545	763	NR	675	198	NR	805	4	NR	935	0	NR
420	88	NR	550	798	NR	680	172	NR	810	4	NR	940	0	NR
425	164	NR	555	837	NR	685	148	NR	815	3	NR	945	0	NR
430	281	NR	560	878	NR	690	128	NR	820	3	NR	950	0	NR
435	447	NR	565	915	NR	695	110	NR	825	2	NR	955	0	NR
440	642	NR	570	948	NR	700	95	NR	830	2	NR	960	0	NR
445	838	NR	575	976	NR	705	81	NR	835	2	NR	965	0	NR
450	907	NR	580	995	NR	710	69	NR	840	2	NR	970	0	NR
455	710	NR	585	1000	NR	715	58	NR	845	1	NR	975	0	NR
460	465	NR	590	995	NR	720	49	NR	850	1	NR	980	0	NR
465	330	NR	595	972	NR	725	41	NR	855	1	NR	985	0	NR
470	236	NR	600	941	NR	730	35	NR	860	1	NR	990	0	NR
475	174	NR	605	898	NR	735	30	NR	865	1	NR	995	0	NR
480	152	NR	610	848	NR	740	26	NR	870	1	NR	1000	0	NR
485	155	NR	615	788	NR	745	23	NR	875	0	NR			

REPORT NUMBER: SP1-2407-176-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.89**

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	177	NR	620	727	NR	750	21	NR	880	0	NR
365	0	NR	495	222	NR	625	666	NR	755	18	NR	885	0	NR
370	0	NR	500	286	NR	630	606	NR	760	16	NR	890	0	NR
375	0	NR	505	359	NR	635	549	NR	765	14	NR	895	0	NR
380	0	NR	510	433	NR	640	493	NR	770	12	NR	900	0	NR
385	0	NR	515	505	NR	645	440	NR	775	10	NR	905	0	NR
390	1	NR	520	562	NR	650	390	NR	780	9	NR	910	0	NR
395	3	NR	525	613	NR	655	344	NR	785	8	NR	915	0	NR
400	6	NR	530	654	NR	660	301	NR	790	7	NR	920	0	NR
405	11	NR	535	692	NR	665	263	NR	795	6	NR	925	0	NR
410	23	NR	540	726	NR	670	228	NR	800	5	NR	930	0	NR
415	45	NR	545	763	NR	675	198	NR	805	4	NR	935	0	NR
420	88	NR	550	798	NR	680	172	NR	810	4	NR	940	0	NR
425	164	NR	555	837	NR	685	148	NR	815	3	NR	945	0	NR
430	281	NR	560	878	NR	690	128	NR	820	3	NR	950	0	NR
435	447	NR	565	915	NR	695	110	NR	825	2	NR	955	0	NR
440	642	NR	570	948	NR	700	95	NR	830	2	NR	960	0	NR
445	838	NR	575	976	NR	705	81	NR	835	2	NR	965	0	NR
450	907	NR	580	995	NR	710	69	NR	840	2	NR	970	0	NR
455	710	NR	585	1000	NR	715	58	NR	845	1	NR	975	0	NR
460	465	NR	590	995	NR	720	49	NR	850	1	NR	980	0	NR
465	330	NR	595	972	NR	725	41	NR	855	1	NR	985	0	NR
470	236	NR	600	941	NR	730	35	NR	860	1	NR	990	0	NR
475	174	NR	605	898	NR	735	30	NR	865	1	NR	995	0	NR
480	152	NR	610	848	NR	740	26	NR	870	1	NR	1000	0	NR
485	155	NR	615	788	NR	745	23	NR	875	0	NR			

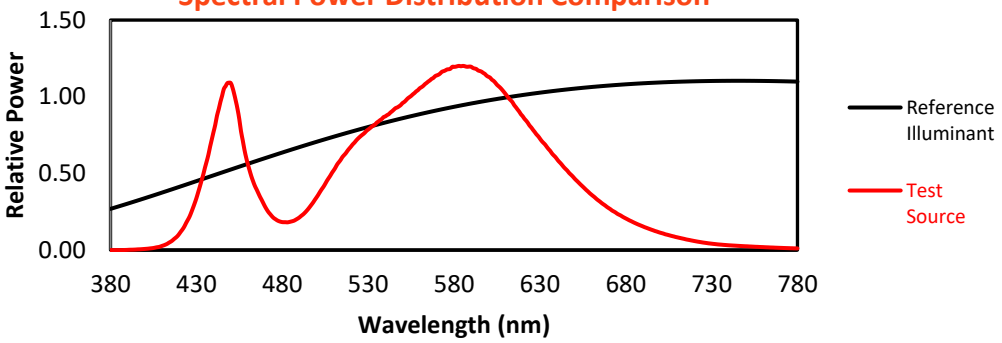
REPORT NUMBER: SP1-2407-176-9

TM-30-18

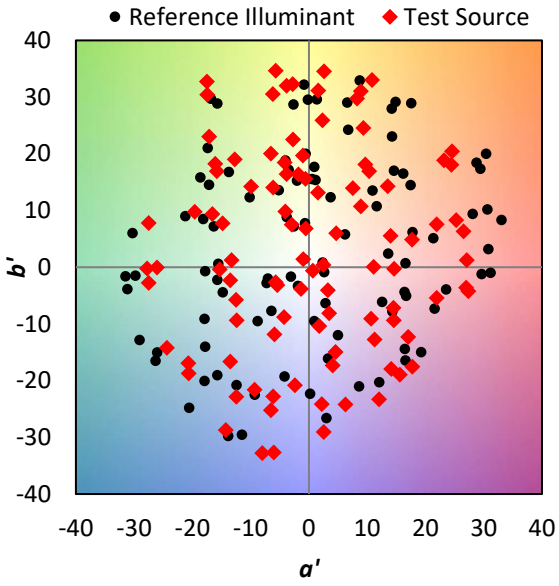
Summary

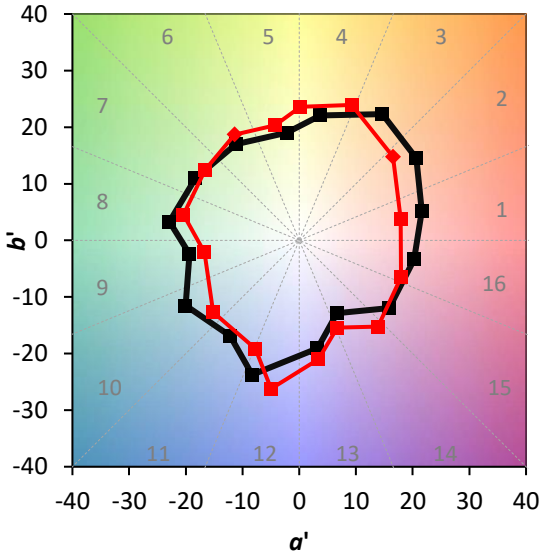
R_f = 74.5
R_g = 93.5
CIE R_a = 71.4
R_9 = -36.8

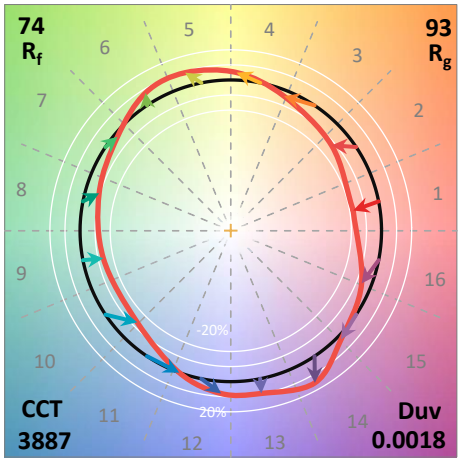
Spectral Power Distribution Comparison

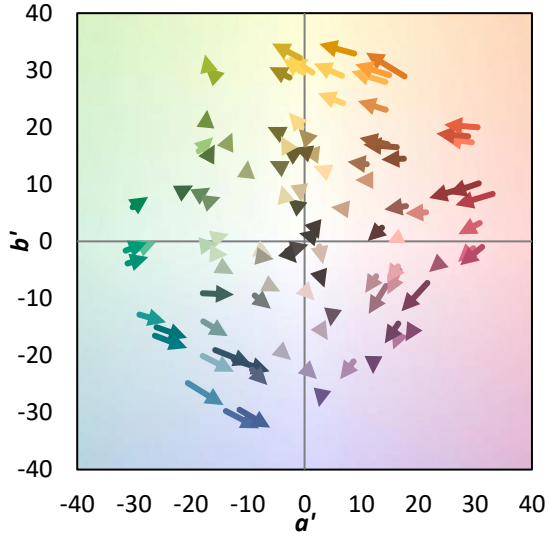


Color Vector Graphics







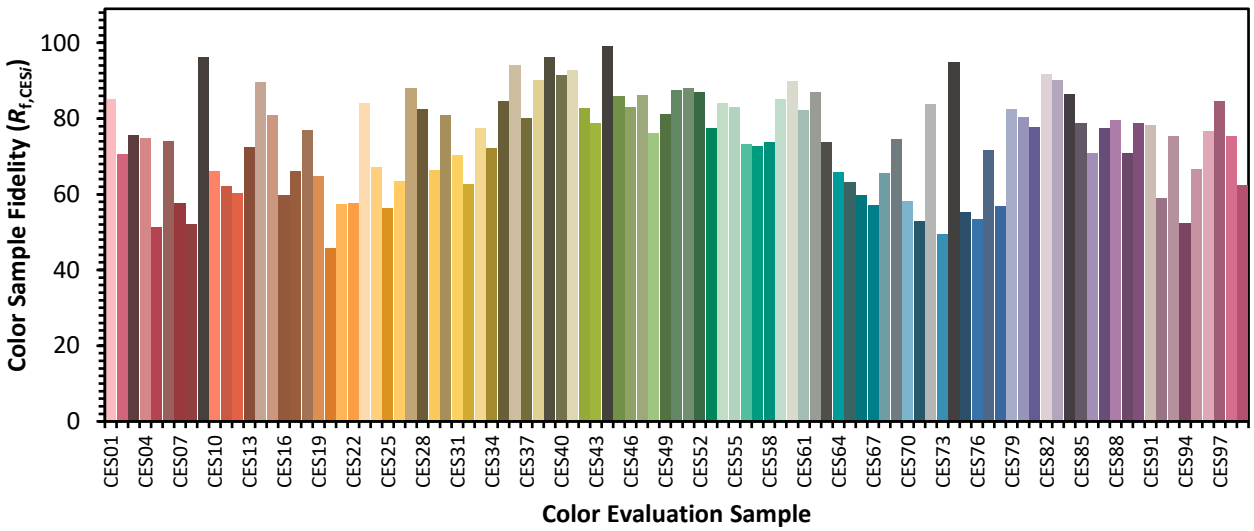


REPORT NUMBER: SP1-2407-176-9

TM-30-18

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

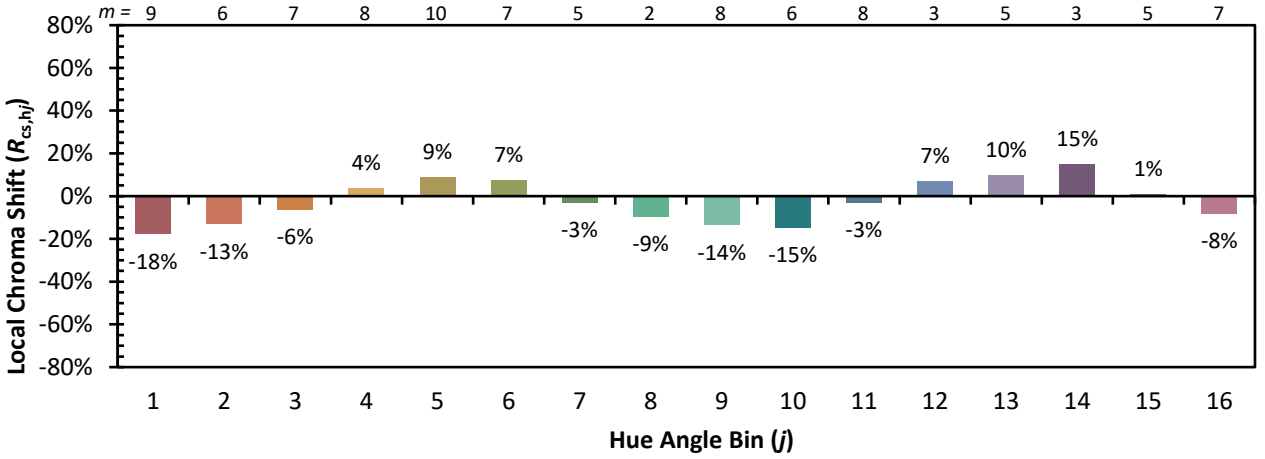
CES01 = 85	CES26 = 63	CES51 = 88	CES76 = 54
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 72
CES03 = 30	CES28 = 82	CES53 = 77	CES78 = 57
CES04 = 70	CES29 = 66	CES54 = 84	CES79 = 83
CES05 = 47	CES30 = 81	CES55 = 83	CES80 = 80
CES06 = 50	CES31 = 70	CES56 = 73	CES81 = 78
CES07 = 40	CES32 = 63	CES57 = 73	CES82 = 92
CES08 = 39	CES33 = 77	CES58 = 74	CES83 = 90
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 90	CES85 = 79
CES11 = 57	CES36 = 94	CES61 = 82	CES86 = 71
CES12 = 63	CES37 = 80	CES62 = 87	CES87 = 77
CES13 = 42	CES38 = 90	CES63 = 74	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 66	CES89 = 71
CES15 = 71	CES40 = 92	CES65 = 63	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 60	CES91 = 78
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 59
CES18 = 56	CES43 = 79	CES68 = 65	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 52
CES20 = 65	CES45 = 86	CES70 = 58	CES95 = 67
CES21 = 86	CES46 = 83	CES71 = 53	CES96 = 77
CES22 = 78	CES47 = 86	CES72 = 84	CES97 = 85
CES23 = 92	CES48 = 76	CES73 = 49	CES98 = 75
CES24 = 91	CES49 = 81	CES74 = 95	CES99 = 62
CES25 = 72	CES50 = 88	CES75 = 55	

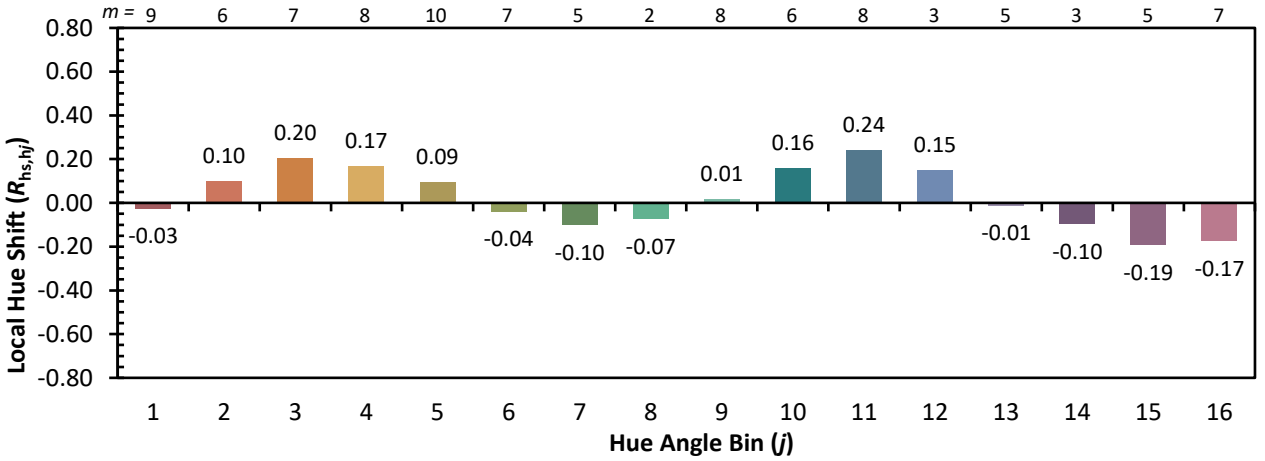


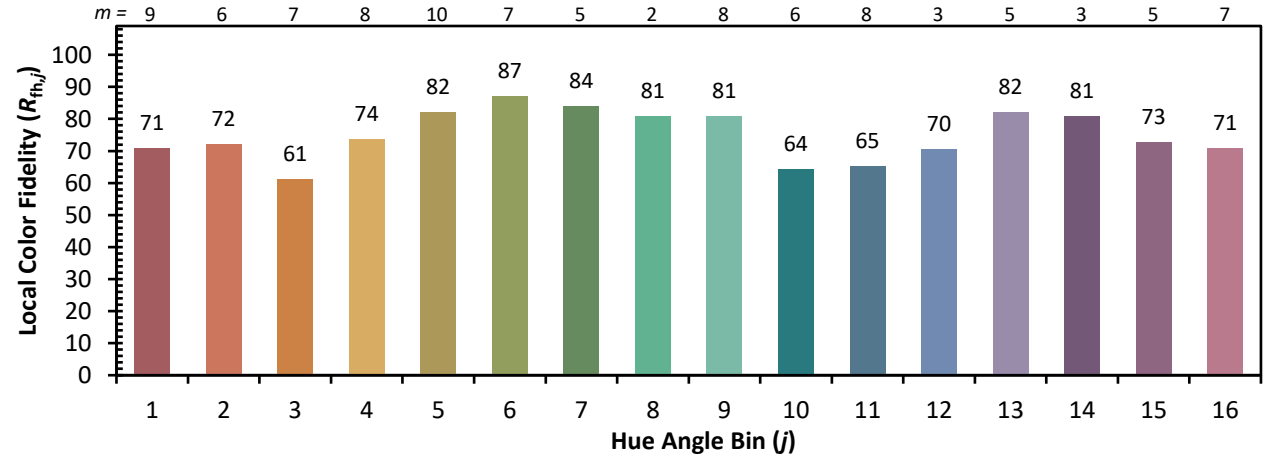
REPORT NUMBER: SP1-2407-176-9

TM-30-18

Color Rendition by Hue-Angle Bin



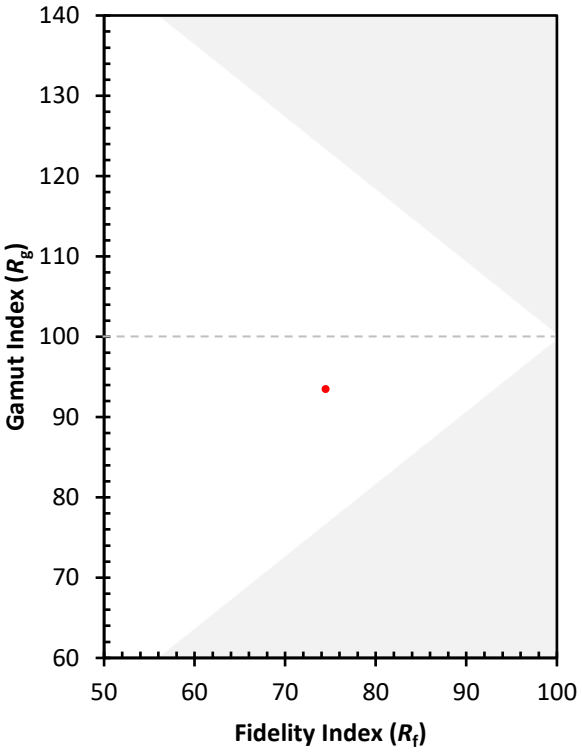


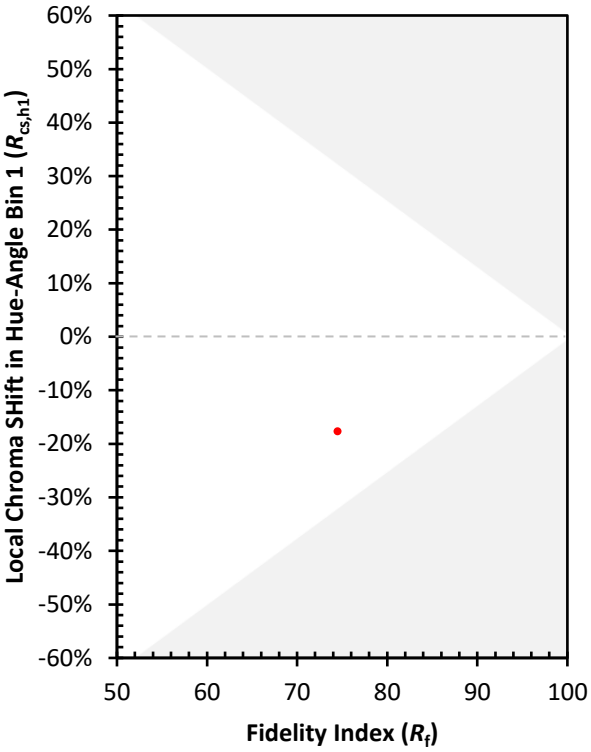


REPORT NUMBER: SP1-2407-176-9

TM-30-18

Measure Comparisons





(END OF REPORT)