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: P867864

Luminaire Tested: **MEM2-HSN-SA-60-730-U-T1**

Issue Date: 08/21/2024

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:	P867864
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-SA-60-730-U-T1
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 60W 70CRI 3000K FIXTURE w/ TYPE 1 DISTRIBUTION OPTIC
Light Source:	(20) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9147.9 lumens
Efficiency:	N/A
Efficacy:	150.0 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B3 - U0 - G3

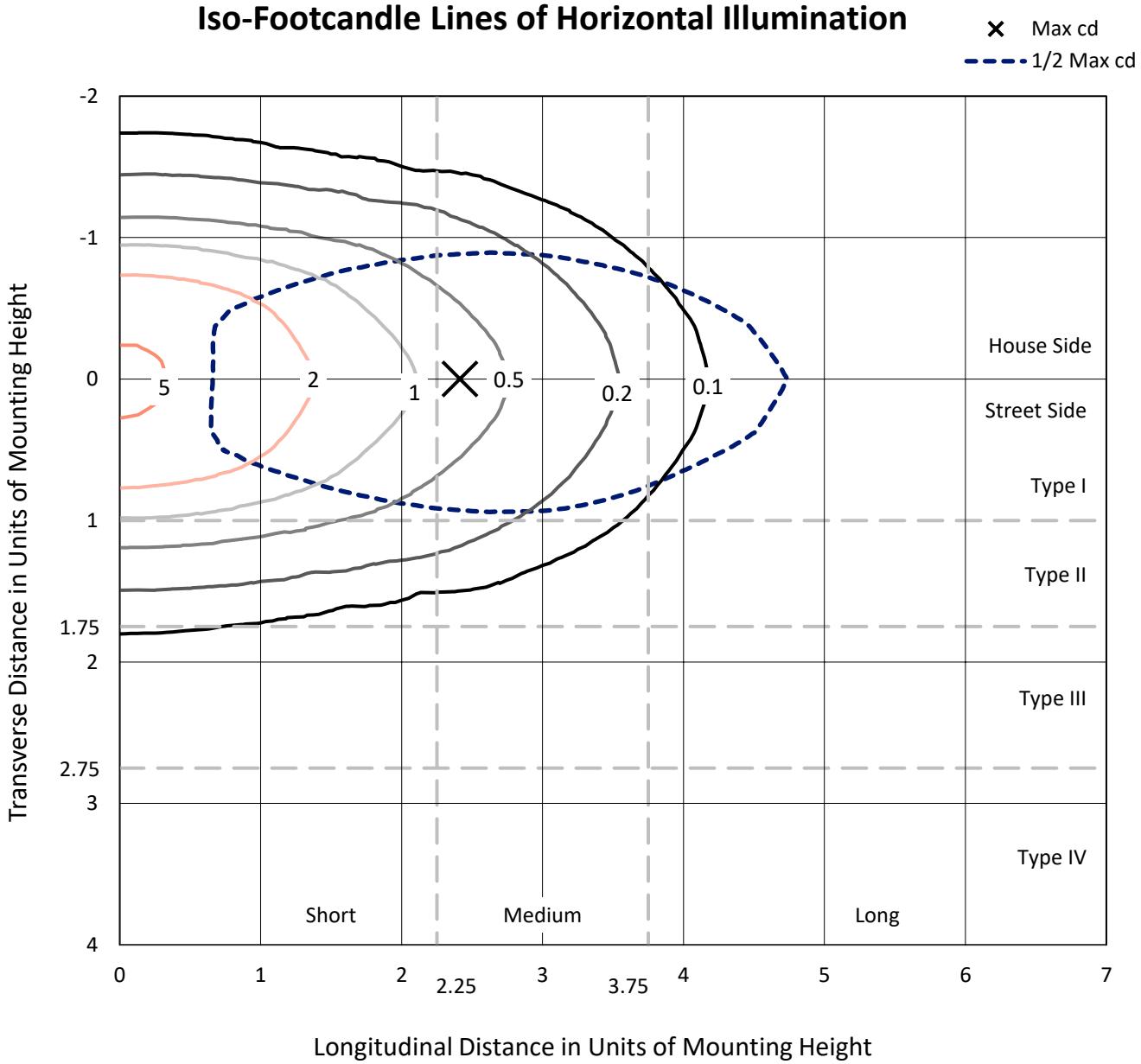
Input Watts (W):	61
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.89%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P867864
CATALOG NUMBER: MEM2-HSN-SA-60-730-U-T1

Iso-Footcandle Lines of Horizontal Illumination



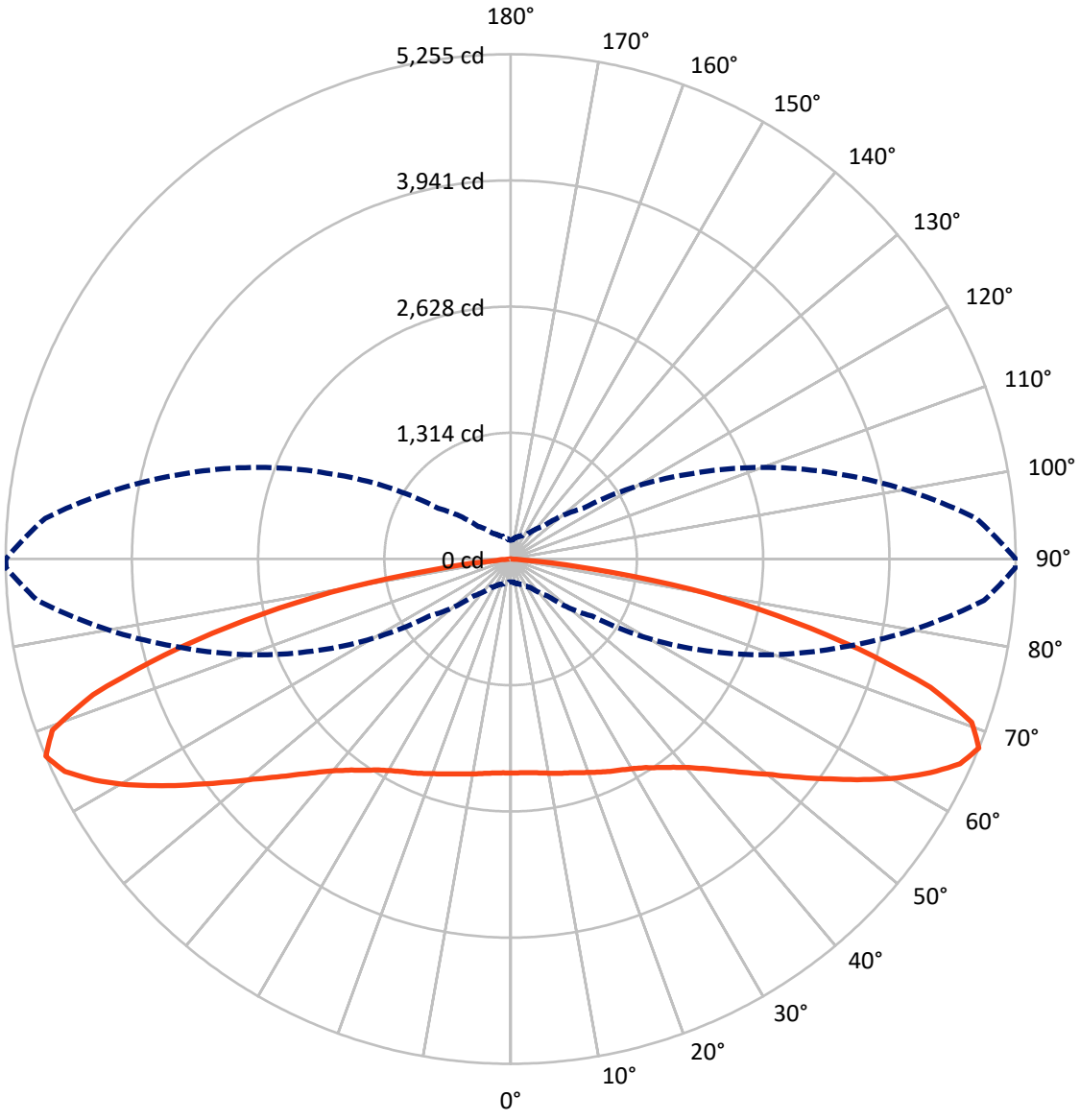
Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
Type I - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P867864
CATALOG NUMBER: MEM2-HSN-SA-60-730-U-T1

Luminous Intensity Polar Plot



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

Scaled Data Report

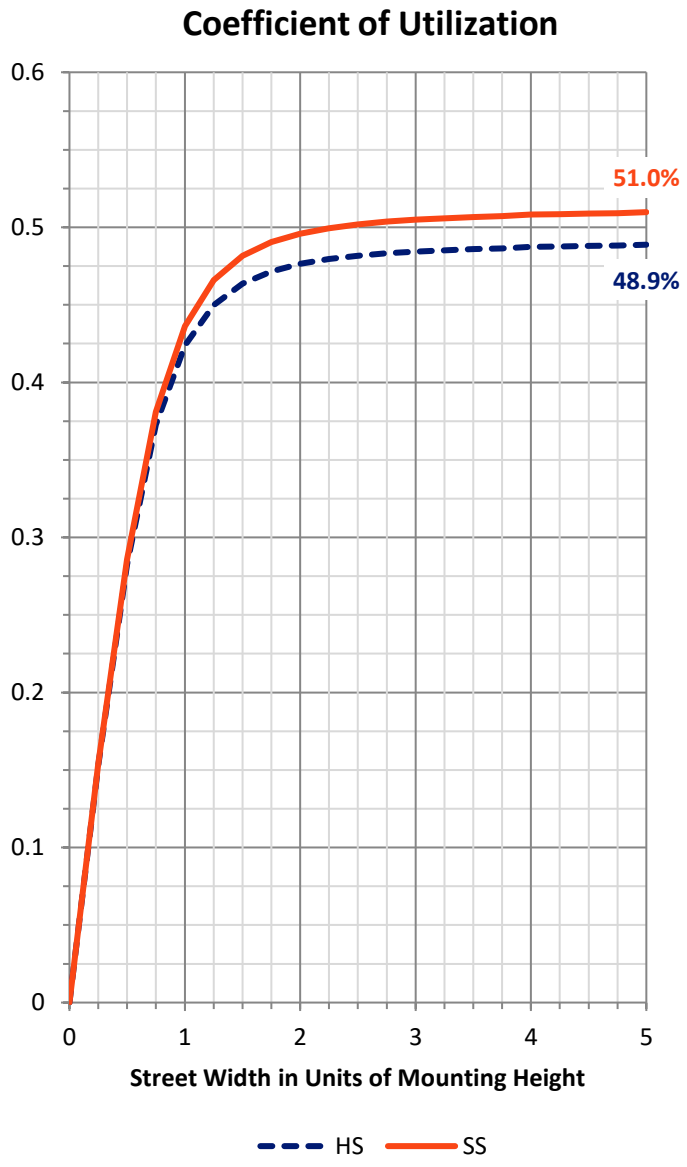
REPORT NUMBER: P867864
CATALOG NUMBER: MEM2-HSN-SA-60-730-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4492.7	0.0	4492.7
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	4655.2	0.0	4655.2
	% Fixture	50.9	0.0	50.9
Total	Lumens	9147.9	0.0	9147.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.6	2.3
10°-20°	641.9	7.0
20°-30°	1062.4	11.6
30°-40°	1408.7	15.4
40°-50°	1588.3	17.4
50°-60°	1628.2	17.8
60°-70°	1537.8	16.8
70°-80°	943.6	10.3
80°-90°	123.5	1.3
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°	9147.9	100.0
0°-180°	9147.9	100.0



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

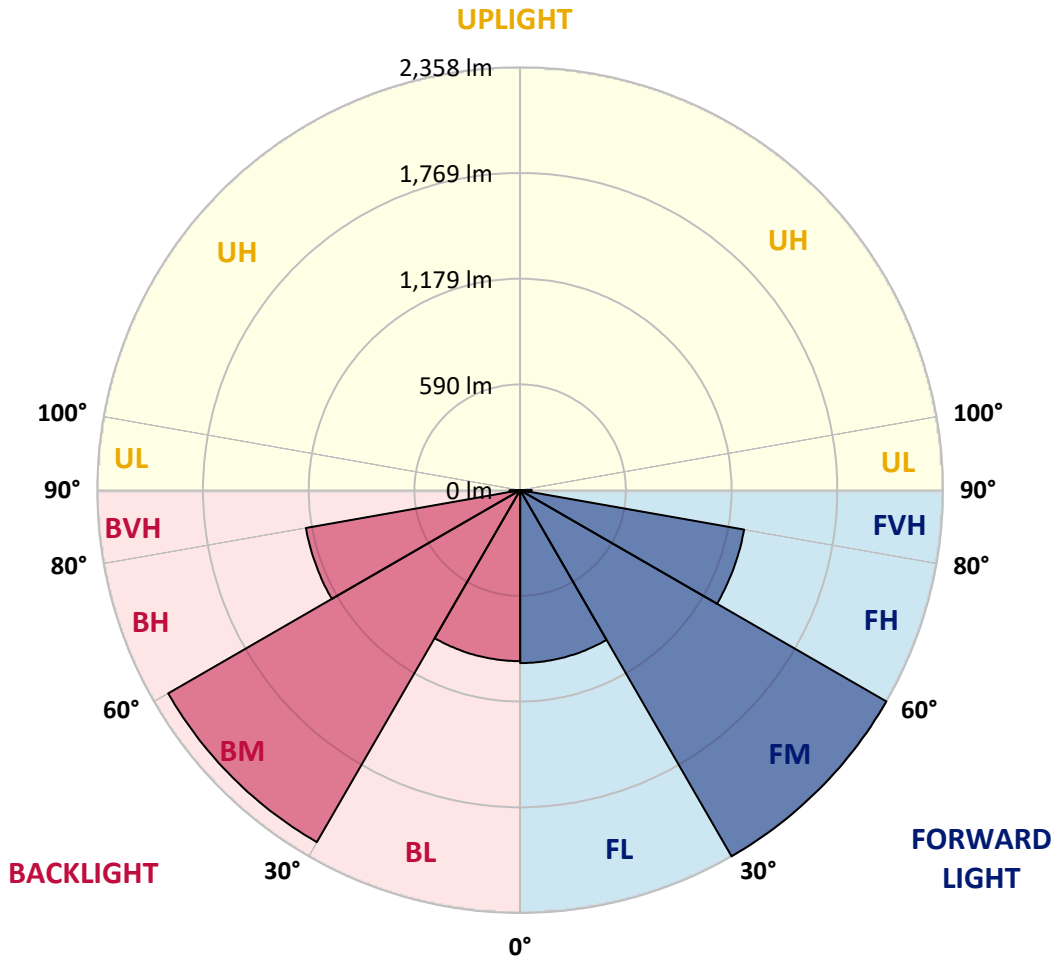
Scaled Data Report

REPORT NUMBER: P867864
CATALOG NUMBER: MEM2-HSN-SA-60-730-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	964.5	10.5			
FM	(30°-60°)	2358.2	25.8			
FH	(60°-80°)	1268.2	13.9			G1/1800
FVH	(80°-90°)	64.3	0.7			G1/100
BL	(0°-30°)	953.4	10.4	B2/1000		
BM	(30°-60°)	2266.9	24.8	B2/2500		
BH	(60°-80°)	1213.2	13.3	B3/2500		G3/2500
BVH	(80°-90°)	59.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type I Short



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

Scaled Data Report

REPORT NUMBER: P867864
CATALOG NUMBER: MEM2-HSN-SA-60-730-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9
2.5°	2237.6	2237.6	2232.4	2223.6	2221.8	2223.6	2234.1	2228.9	2228.9	2230.6	2228.9
5°	2237.6	2237.6	2234.1	2225.3	2225.3	2225.3	2237.6	2232.4	2234.1	2235.9	2235.9
7.5°	2241.2	2241.2	2237.6	2230.6	2230.6	2230.6	2248.2	2244.7	2244.7	2249.9	2246.4
10°	2249.9	2246.4	2242.9	2244.7	2239.4	2248.2	2257.0	2258.7	2265.7	2269.3	2267.5
12.5°	2249.9	2246.4	2237.6	2248.2	2248.2	2260.5	2272.8	2279.8	2288.6	2288.6	2288.6
15°	2239.4	2235.9	2228.9	2246.4	2253.5	2269.3	2286.8	2297.4	2313.2	2313.2	2311.4
17.5°	2227.1	2221.8	2218.3	2244.7	2260.5	2281.6	2307.9	2322.0	2339.5	2341.3	2337.8
20°	2204.3	2202.5	2204.3	2239.4	2267.5	2297.4	2329.0	2348.3	2371.1	2378.2	2372.9
22.5°	2179.7	2179.7	2186.7	2234.1	2278.0	2318.4	2360.6	2385.2	2408.0	2415.0	2408.0
25°	2146.3	2146.3	2160.4	2216.6	2281.6	2341.3	2390.5	2423.8	2444.9	2451.9	2448.4
27.5°	2095.4	2095.4	2111.2	2181.4	2271.0	2358.8	2422.1	2460.7	2483.5	2490.6	2487.1
30°	2023.4	2019.9	2040.9	2128.7	2251.7	2378.2	2458.9	2499.3	2529.2	2534.5	2529.2
32.5°	1909.2	1914.5	1946.1	2056.7	2220.1	2390.5	2502.9	2550.3	2583.7	2594.2	2590.7
35°	1770.4	1779.2	1823.1	1965.4	2160.4	2388.7	2548.5	2606.5	2650.4	2664.4	2662.7
37.5°	1605.3	1617.6	1672.1	1838.9	2070.8	2362.3	2590.7	2669.7	2727.7	2745.2	2748.8
40°	1424.4	1436.7	1507.0	1691.4	1949.6	2300.9	2615.3	2741.7	2819.0	2854.1	2859.4
42.5°	1233.0	1254.1	1338.4	1517.5	1803.8	2202.5	2615.3	2812.0	2906.8	2971.8	2977.1
45°	1048.6	1066.1	1168.0	1343.6	1647.5	2076.1	2585.4	2882.2	3026.3	3138.7	3135.2
47.5°	888.7	894.0	987.1	1164.5	1473.6	1932.0	2523.9	2945.5	3152.7	3302.0	3333.6
50°	723.6	735.9	815.0	990.6	1296.2	1774.0	2420.3	2985.9	3282.7	3509.3	3549.7
52.5°	607.7	609.5	669.2	830.8	1111.8	1582.5	2295.6	2996.4	3407.4	3734.1	3783.3
55°	495.3	504.1	555.0	676.2	934.4	1394.6	2134.0	2980.6	3521.6	3951.9	4043.2
57.5°	425.0	426.8	463.7	560.3	788.6	1194.3	1954.9	2927.9	3616.4	4192.5	4308.4
60°	365.3	365.3	393.4	467.2	637.6	999.4	1744.1	2834.8	3669.1	4450.7	4619.3
62.5°	317.9	319.7	344.3	398.7	530.4	825.5	1512.3	2689.0	3688.4	4700.1	4893.3
65°	288.0	289.8	303.9	340.7	437.3	670.9	1275.1	2511.6	3662.1	4886.3	5137.4
67.5°	*238.9*	*240.6*	*265.2*	*293.3*	*363.6*	*539.2*	*1036.3*	*2265.7*	*3554.9*	*4944.2*	*5251.6*
70°	182.7	187.9	221.3	251.2	302.1	430.3	795.6	1940.8	3298.5	4747.5	5063.7
72.5°	152.8	154.6	179.2	212.5	252.9	337.2	604.2	1528.1	2908.6	4239.9	4591.2
75°	133.5	135.2	149.3	179.2	210.8	270.5	419.8	1055.6	2320.2	3428.5	3749.9
77.5°	121.2	122.9	126.5	151.0	177.4	209.0	296.8	627.0	1637.0	2620.5	2789.2
80°	115.9	115.9	107.1	124.7	145.8	163.3	198.5	360.1	1050.3	1766.9	1902.2
82.5°	82.6	80.8	73.8	77.3	89.6	89.6	101.9	149.3	402.2	746.5	809.7
85°	5.3	5.3	8.8	10.5	15.8	21.1	26.3	35.1	101.9	138.8	144.0
87.5°	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5	5.3	7.0	7.0
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: P867864
CATALOG NUMBER: MEM2-HSN-SA-60-730-U-T1

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9	2228.9
2.5°	2227.1	2228.9	2228.9	2232.4	2235.9	2234.1	2232.4	2235.9	2230.6	2220.1	2218.3
5°	2234.1	2234.1	2232.4	2235.9	2239.4	2235.9	2232.4	2232.4	2228.9	2218.3	2216.6
7.5°	2248.2	2246.4	2246.4	2246.4	2246.4	2241.2	2235.9	2232.4	2227.1	2216.6	2211.3
10°	2267.5	2265.7	2264.0	2262.2	2253.5	2248.2	2239.4	2234.1	2227.1	2214.8	2211.3
12.5°	2288.6	2285.1	2281.6	2283.3	2265.7	2249.9	2241.2	2228.9	2223.6	2195.5	2190.2
15°	2309.7	2304.4	2302.6	2295.6	2278.0	2255.2	2237.6	2220.1	2202.5	2176.2	2167.4
17.5°	2337.8	2334.2	2323.7	2316.7	2292.1	2260.5	2234.1	2209.5	2186.7	2155.1	2149.8
20°	2371.1	2367.6	2357.1	2343.0	2311.4	2272.8	2235.9	2197.2	2169.1	2132.3	2123.5
22.5°	2408.0	2402.7	2394.0	2378.2	2337.8	2292.1	2241.2	2190.2	2148.1	2105.9	2100.6
25°	2446.7	2443.1	2434.4	2411.5	2367.6	2311.4	2241.2	2165.6	2112.9	2076.1	2060.2
27.5°	2483.5	2481.8	2471.2	2444.9	2399.2	2325.5	2225.3	2125.2	2055.0	2005.8	1995.3
30°	2531.0	2527.4	2515.2	2485.3	2434.4	2334.2	2193.7	2056.7	1968.9	1914.5	1898.7
32.5°	2588.9	2585.4	2567.8	2531.0	2476.5	2336.0	2148.1	1968.9	1853.0	1795.0	1775.7
35°	2666.2	2659.2	2636.3	2592.4	2516.9	2318.4	2067.3	1856.5	1714.2	1638.7	1612.4
37.5°	2750.5	2741.7	2711.9	2657.4	2545.0	2271.0	1953.1	1705.5	1543.9	1454.3	1435.0
40°	2854.1	2841.8	2796.2	2720.7	2555.6	2188.5	1824.9	1550.9	1378.8	1280.4	1257.6
42.5°	2984.1	2963.0	2889.3	2790.9	2534.5	2076.1	1672.1	1391.1	1194.3	1103.0	1097.7
45°	3140.4	3107.1	2996.4	2859.4	2488.8	1935.5	1510.5	1211.9	1024.0	934.4	911.6
47.5°	3324.9	3284.5	3121.1	2912.1	2399.2	1791.5	1336.6	1038.0	865.9	774.6	757.0
50°	3528.6	3490.0	3252.8	2942.0	2302.6	1622.9	1166.2	883.5	711.3	635.8	635.8
52.5°	3776.2	3688.4	3379.3	2945.5	2155.1	1436.7	1002.9	732.4	597.2	530.4	516.4
55°	4039.7	3936.1	3493.5	2913.9	2002.3	1266.4	827.3	609.5	490.0	442.6	430.3
57.5°	4333.0	4174.9	3576.0	2850.6	1809.1	1080.2	690.3	502.3	412.8	374.1	368.8
60°	4628.1	4424.4	3625.2	2743.5	1603.6	908.1	574.3	419.8	354.8	326.7	321.4
62.5°	4902.1	4628.1	3628.7	2587.2	1403.4	757.0	470.7	361.8	314.4	293.3	293.3
65°	5139.2	4798.5	3569.0	2386.9	1148.7	607.7	388.2	305.6	274.0	251.2	245.9
67.5°	5255.1	4863.5	3463.6	2112.9	920.3	481.3	326.7	265.2	235.4	200.2	196.7
70°	5091.8	4675.5	3193.1	1761.7	711.3	382.9	272.2	226.6	196.7	166.9	163.3
72.5°	4570.1	4174.9	2755.8	1364.7	535.7	309.1	226.6	193.2	161.6	145.8	142.3
75°	3739.4	3472.4	2177.9	939.7	374.1	242.4	189.7	163.3	137.0	130.0	128.2
77.5°	2838.3	2581.9	1591.3	588.4	256.4	189.7	161.6	138.8	119.4	124.7	121.2
80°	1895.1	1777.5	1057.3	333.7	172.1	138.8	122.9	101.9	91.3	105.4	101.9
82.5°	860.6	815.0	497.1	145.8	77.3	59.7	42.2	31.6	24.6	22.8	26.3
85°	144.0	126.5	35.1	15.8	8.8	5.3	3.5	3.5	1.8	1.8	1.8
87.5°	7.0	5.3	5.3	3.5	1.8	1.8	1.8	1.8	1.8	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

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: SP1-2407-157-4

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-30-730-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-730-U-5WQ-2

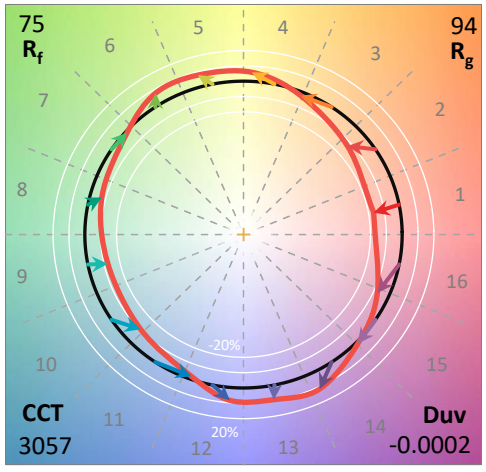
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-4
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-30-730-U-5WQ-2**
Description:	Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	3057	CRI (Ra):	71.7		
CIE u':	0.2487	R1:	68.1	R9:	-34.8
CIE v':	0.5199	R2:	82.0	R10:	58.5
Duv:	-0.0002	R3:	93.5	R11:	62.5
CIE x:	0.4326	R4:	67.5	R12:	47.5
CIE y:	0.4020	R5:	67.2	R13:	70.7
CIE z:	0.1654	R6:	74.9	R14:	96.4
Peak Wavelength (nm):	593	R7:	77.4	R15:	60.0
Dominant Wavelength (nm):	582	R8:	43.1		
Purity:	50.50735				
Rf:	74.6				
Rg:	94				



Test Conditions

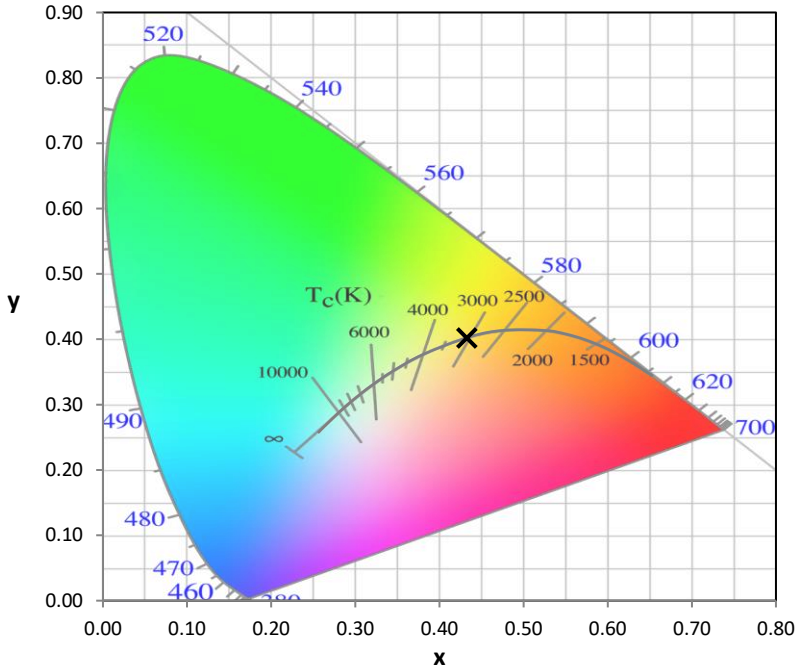
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-4

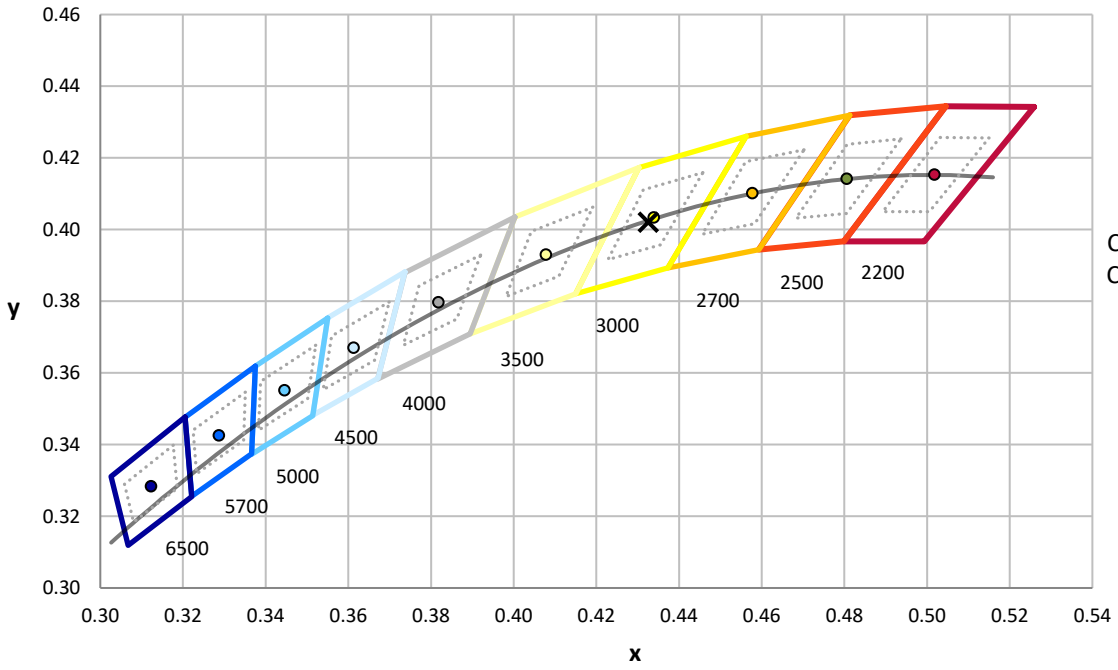
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-4

CIE 1931 Chromaticity Diagram



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

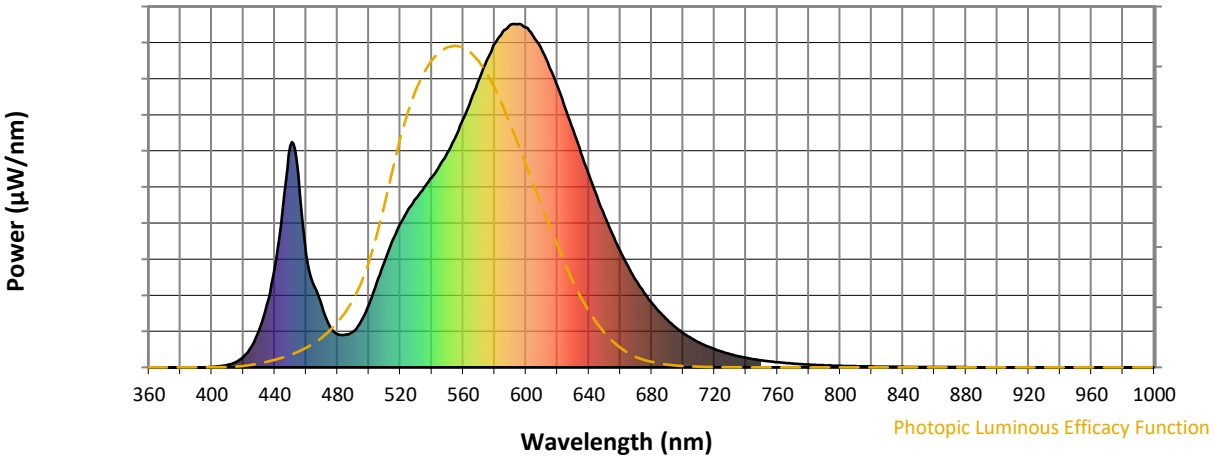


CCT = 3057K
CIE x = 0.4326
CIE y = 0.4020
Duv = -0.0002

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-4

Photopic Flux vs. Wavelength

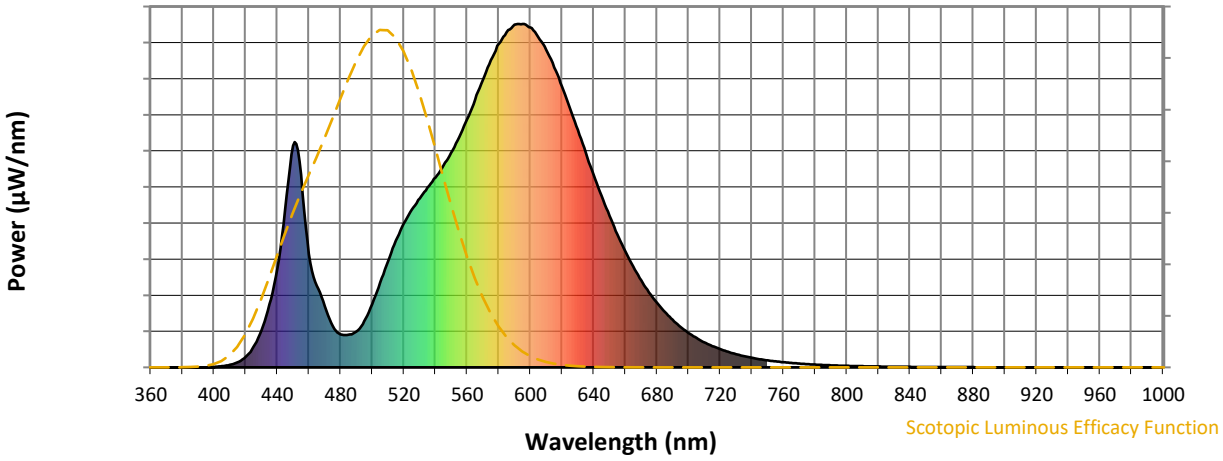


Photopic Lumens: NR

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

REPORT NUMBER: SP1-2407-157-4

Scotopic Flux vs. Wavelength

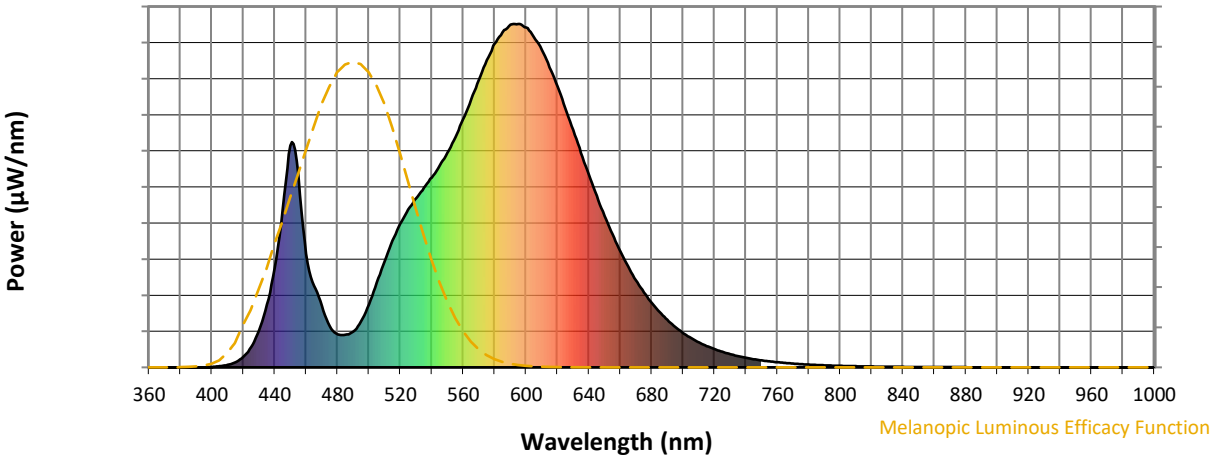


Scotopic Lumens: NR **S/P: 1.23**

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

REPORT NUMBER: SP1-2407-157-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.27**

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

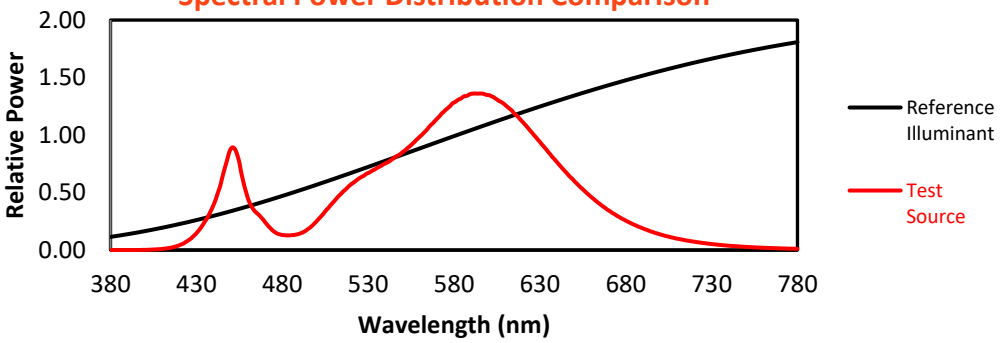
REPORT NUMBER: SP1-2407-157-4

TM-30-18

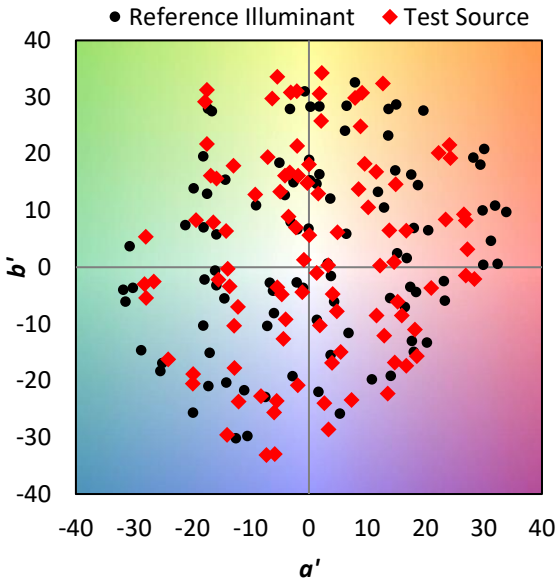
Summary

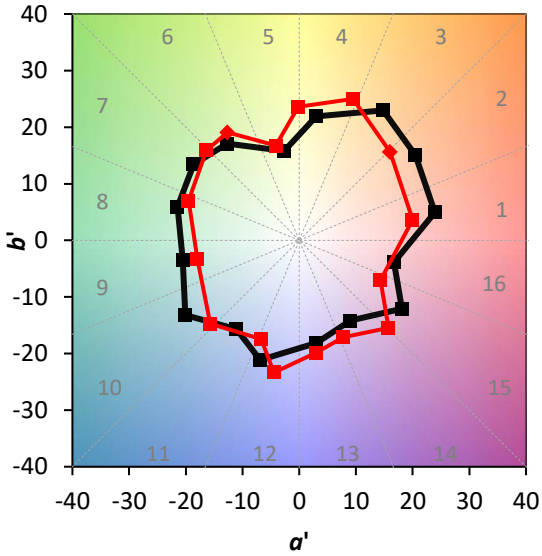
R_f = 74.6
R_g = 94
CIE R_a = 71.7
R_9 = -34.8

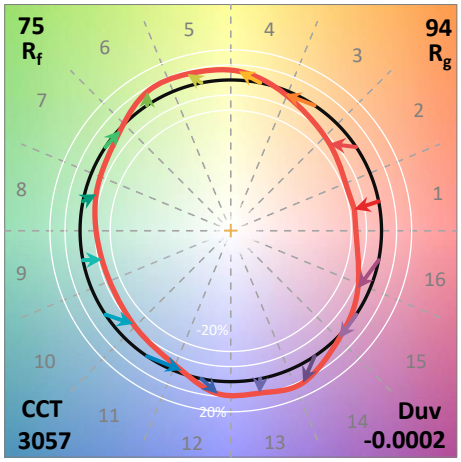
Spectral Power Distribution Comparison

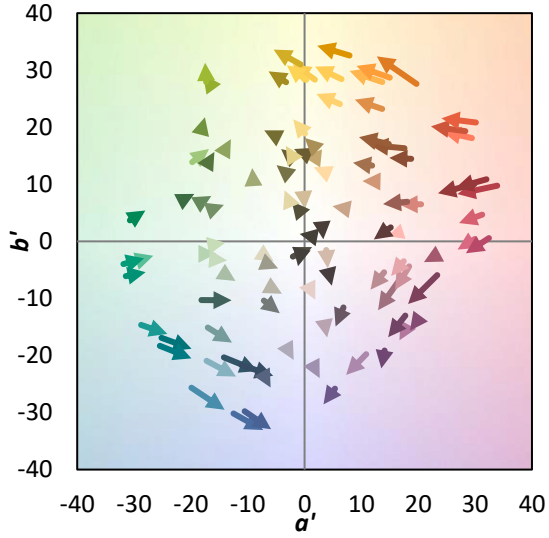


Color Vector Graphics







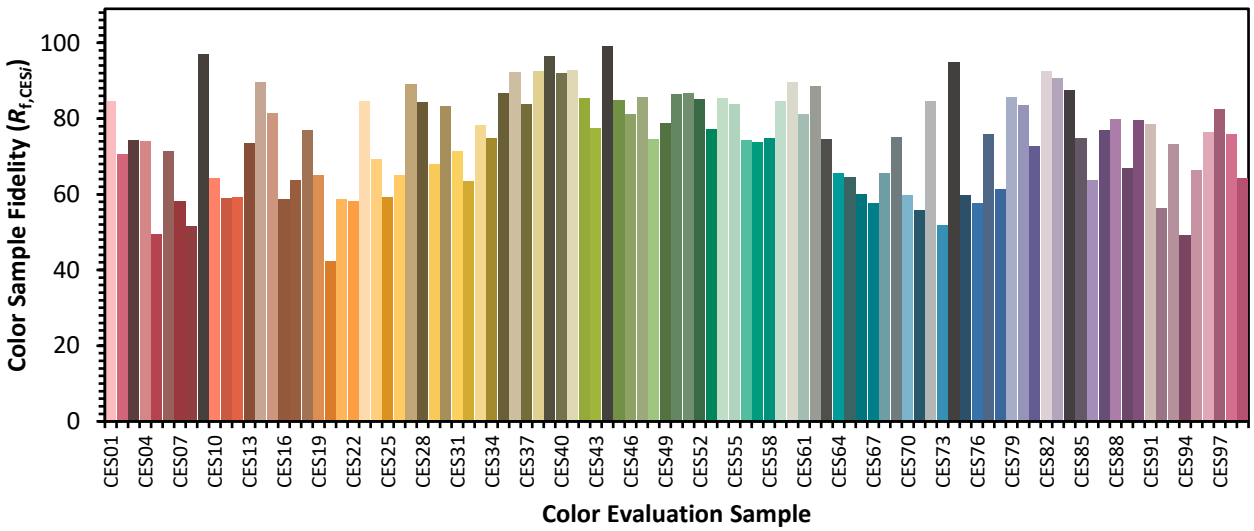


REPORT NUMBER: SP1-2407-157-4

TM-30-18

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

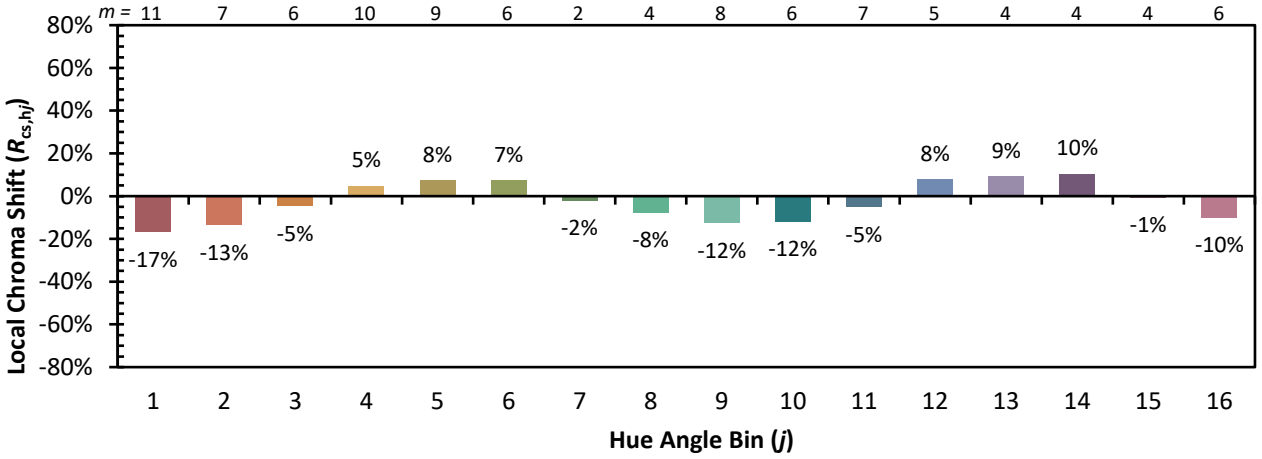
CES01 = 86	CES26 = 65	CES51 = 87	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 61
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 86
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 83
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 78	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 75	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 64
CES12 = 65	CES37 = 84	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 65	CES89 = 67
CES15 = 71	CES40 = 92	CES65 = 64	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 60	CES91 = 78
CES17 = 50	CES42 = 86	CES67 = 58	CES92 = 56
CES18 = 56	CES43 = 77	CES68 = 66	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 75	CES94 = 49
CES20 = 66	CES45 = 85	CES70 = 60	CES95 = 66
CES21 = 87	CES46 = 81	CES71 = 56	CES96 = 76
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 60	

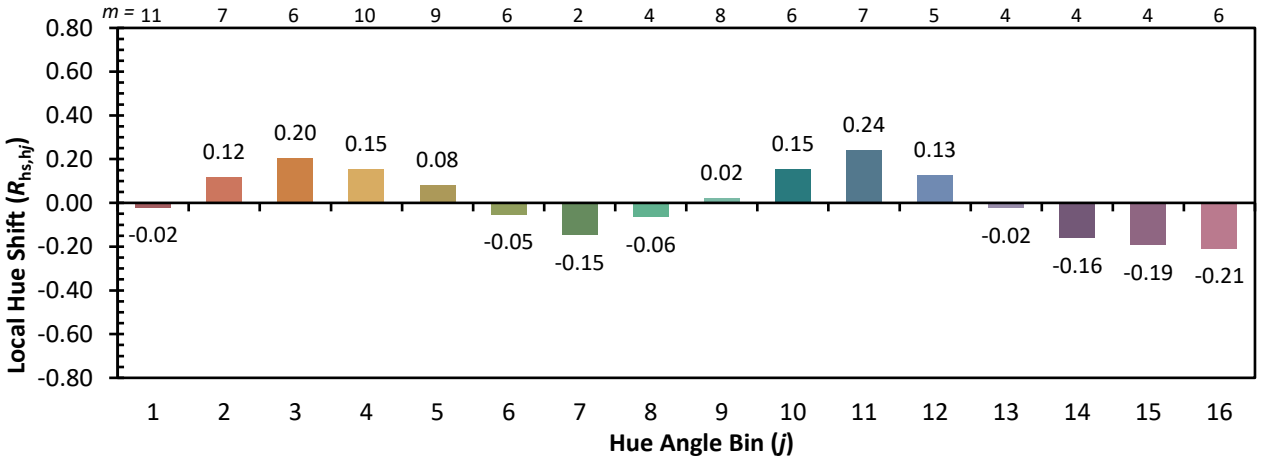


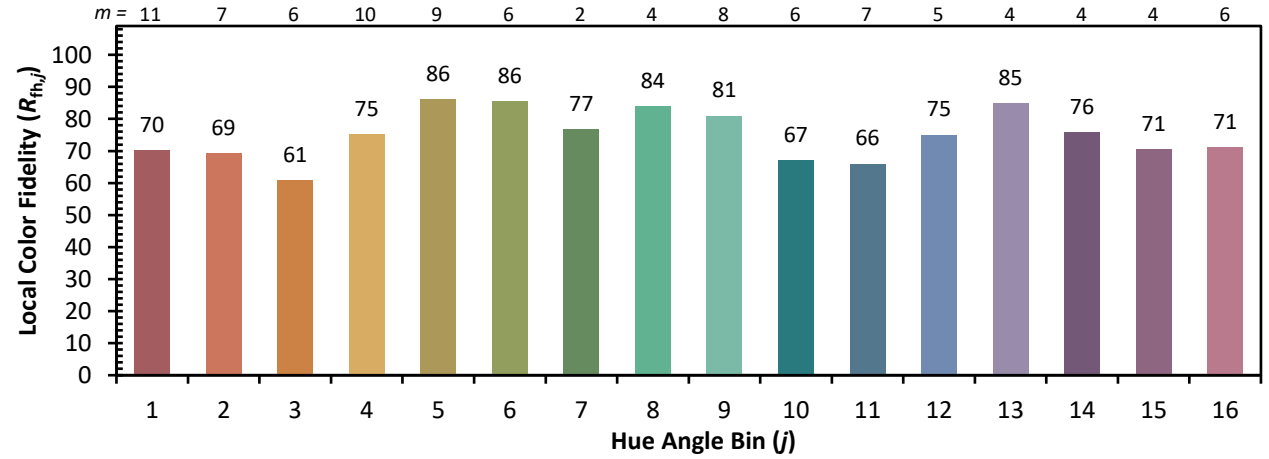
REPORT NUMBER: SP1-2407-157-4

TM-30-18

Color Rendition by Hue-Angle Bin



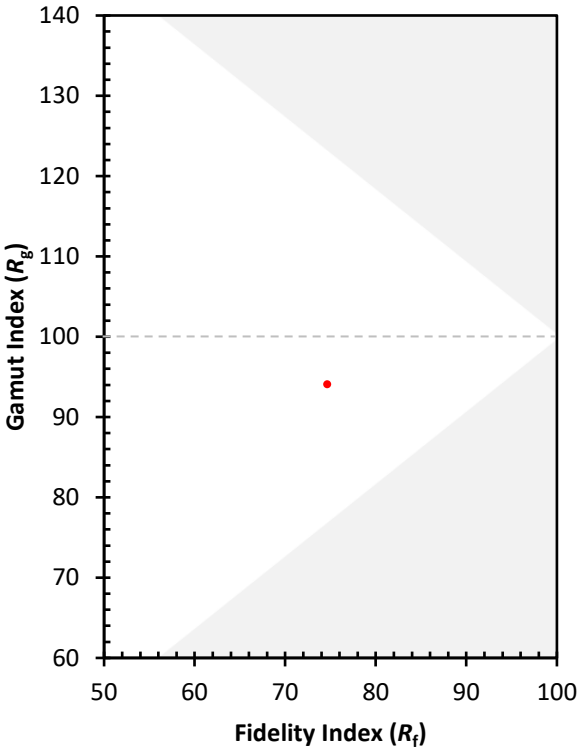


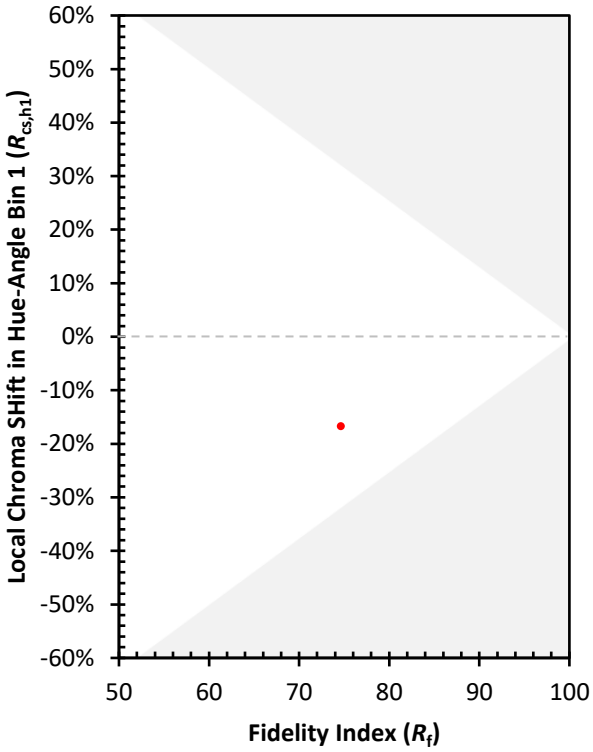


REPORT NUMBER: SP1-2407-157-4

TM-30-18

Measure Comparisons





(END OF REPORT)