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: INVUE

Report Number: P871175

Luminaire Tested: **EMM2-HSN-SA1B-830-U-T3**

Issue Date: 09/05/2024

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:	P871175
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	09/05/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HSN-SA1B-830-U-T3
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 60W 80CRI 3000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source:	(10) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5481.9 lumens
Efficiency:	N/A
Efficacy:	124.6 lumens/watt
Luminous Opening:	Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G1

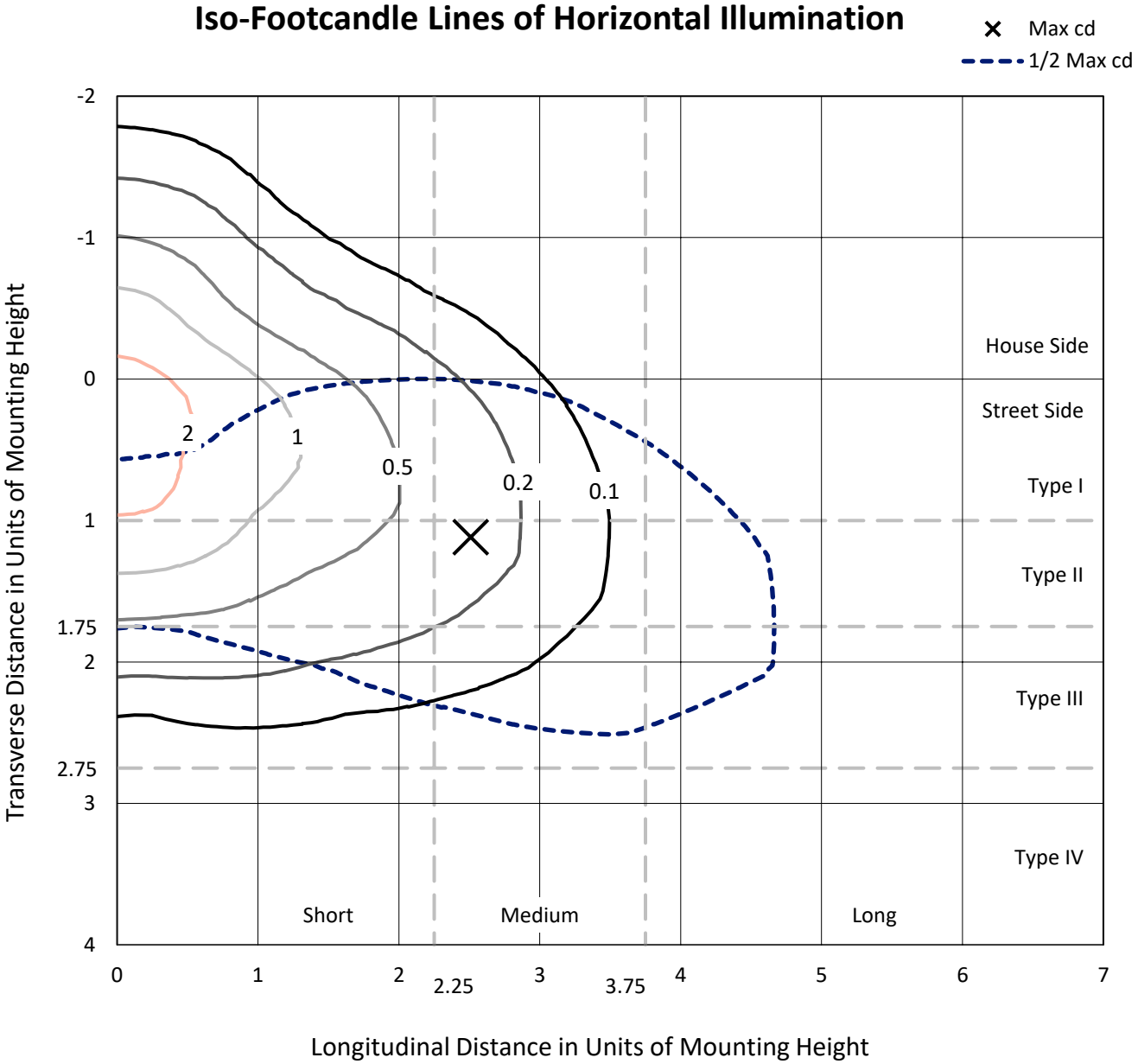
Input Watts (W):	44
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.91%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P871175
CATALOG NUMBER: EMM2-HSN-SA1B-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination



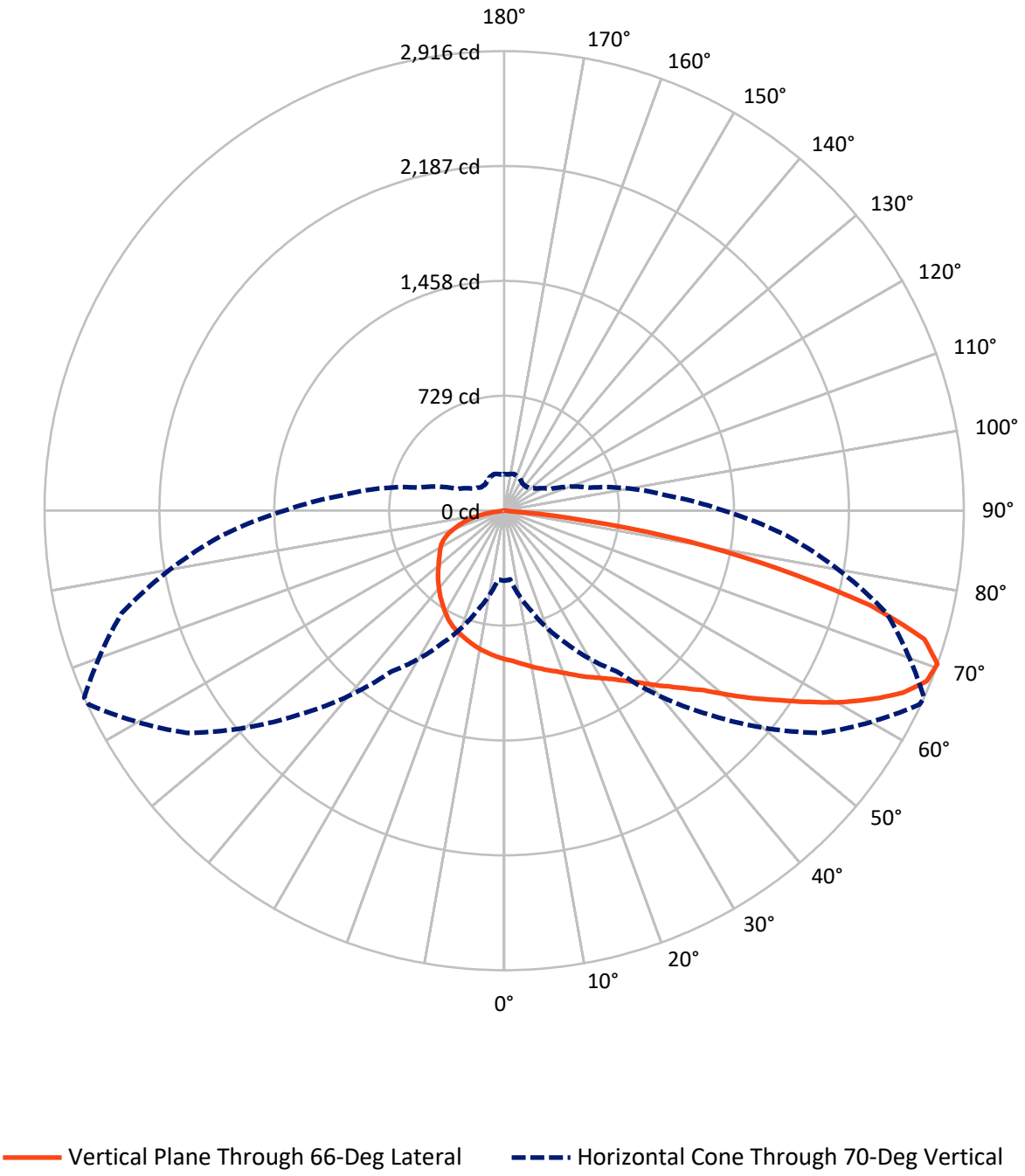
Based on 20 foot mounting height. Maximum calculated value = 2.5 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P871175
CATALOG NUMBER: EMM2-HSN-SA1B-830-U-T3

Luminous Intensity Polar Plot



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

Scaled Data Report

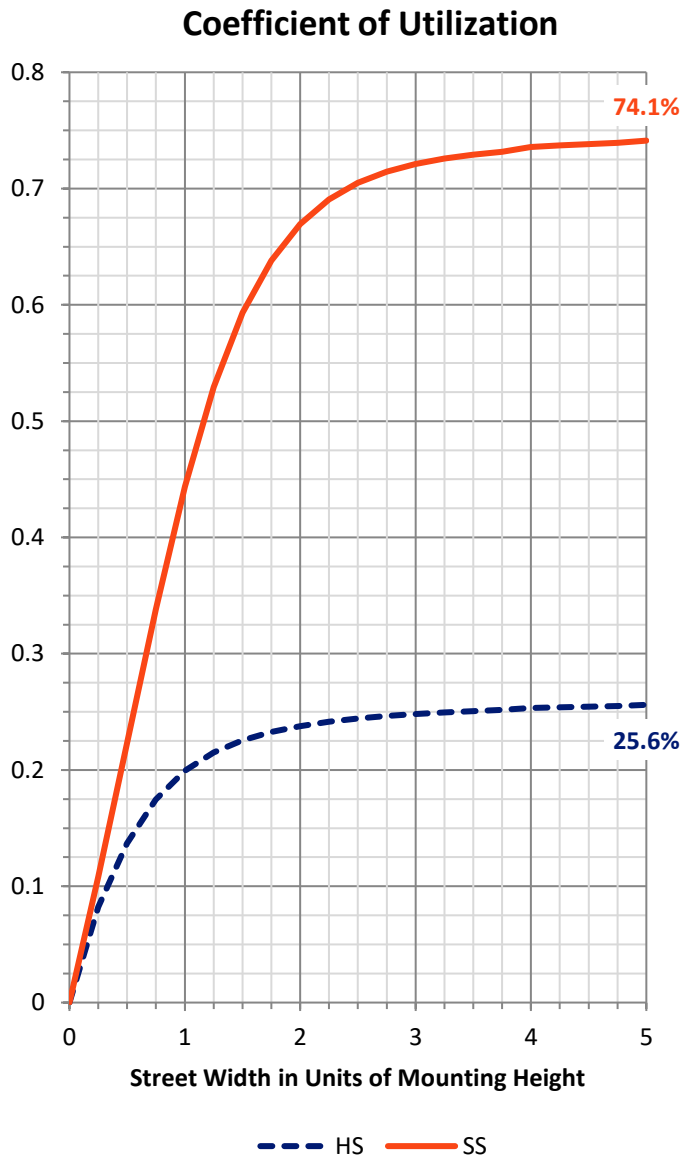
REPORT NUMBER: P871175
CATALOG NUMBER: EMM2-HSN-SA1B-830-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1412.7	0.0	1412.7
	% Fixture	25.8	0.0	25.8
Street Side	Lumens	4069.2	0.0	4069.2
	% Fixture	74.2	0.0	74.2
Total	Lumens	5481.9	0.0	5481.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	1.6
10°-20°	268.9	4.9
20°-30°	451.6	8.2
30°-40°	680.4	12.4
40°-50°	923.7	16.8
50°-60°	1097.6	20.0
60°-70°	1120.2	20.4
70°-80°	749.2	13.7
80°-90°	100.2	1.8
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°	5481.9	100.0
0°-180°	5481.9	100.0



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

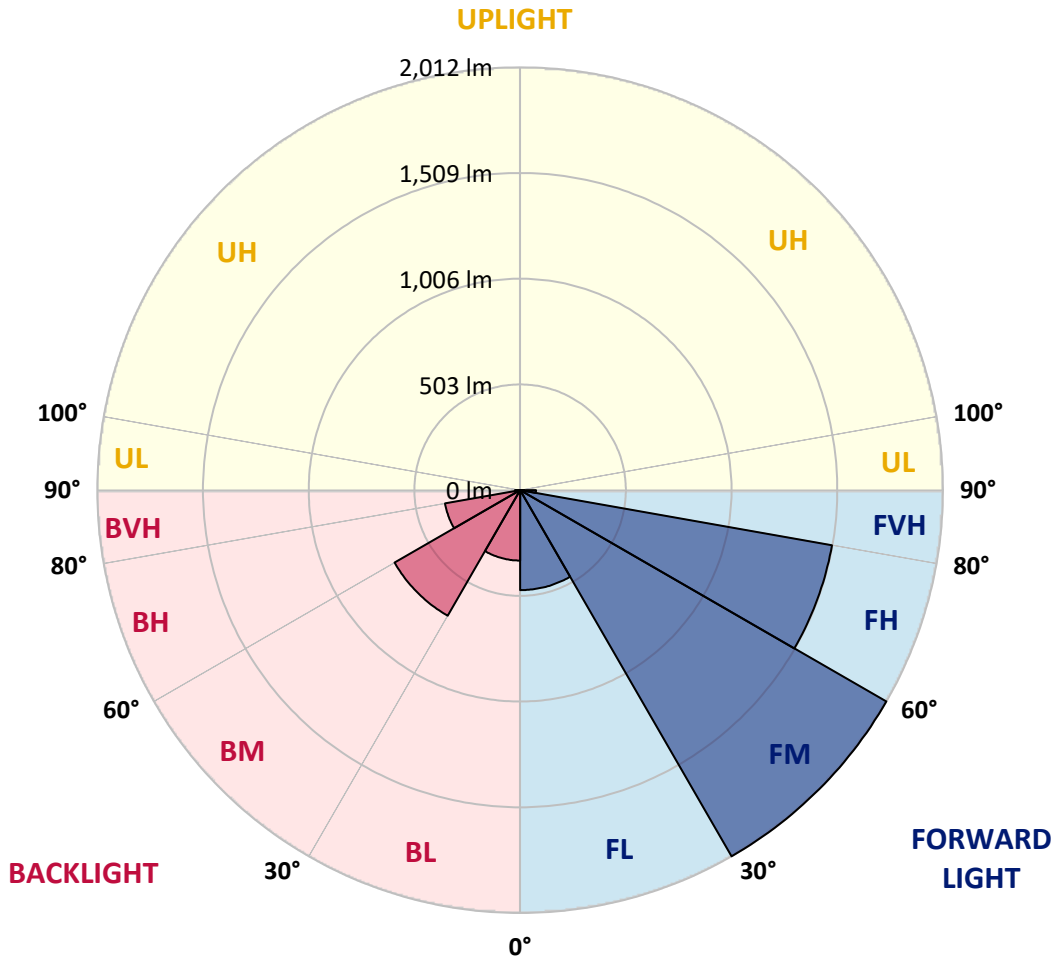
Scaled Data Report

REPORT NUMBER: P871175
CATALOG NUMBER: EMM2-HSN-SA1B-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	475.7	8.7			
FM	(30°-60°)	2011.8	36.7			
FH	(60°-80°)	1506.6	27.5			G1/1800
FVH	(80°-90°)	75.1	1.4			G1/100
BL	(0°-30°)	335.0	6.1	B1/500		
BM	(30°-60°)	689.8	12.6	B1/1000		
BH	(60°-80°)	362.8	6.6	B1/500		G1/500
BVH	(80°-90°)	25.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P871175
CATALOG NUMBER: EMM2-HSN-SA1B-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	*943.2*	943.2	943.2
2.5°	977.0	972.6	969.3	971.5	965.0	967.2	959.5	954.1	*953.0*	950.8	948.6
5°	1007.5	1007.5	1002.0	1002.0	994.4	993.3	982.4	970.4	*970.4*	962.8	954.1
7.5°	1040.1	1038.0	1031.4	1030.3	1021.6	1019.4	1007.5	988.9	*987.9*	973.7	960.6
10°	1063.0	1064.1	1059.7	1059.7	1053.2	1047.8	1030.3	1010.7	*1008.5*	990.0	969.3
12.5°	1080.4	1082.6	1081.5	1081.5	1076.1	1076.1	1056.5	1030.3	*1028.1*	1004.2	974.8
15°	1098.9	1097.9	1101.1	1102.2	1100.0	1096.8	1082.6	1052.1	*1051.0*	1019.4	982.4
17.5°	1115.3	1114.2	1115.3	1120.7	1121.8	1121.8	1107.7	1076.1	*1071.7*	1038.0	988.9
20°	1125.1	1127.3	1131.6	1138.2	1141.4	1150.1	1138.2	1104.4	*1100.0*	1057.6	1003.1
22.5°	1162.1	1155.6	1158.8	1163.2	1167.6	1179.5	1168.6	1133.8	*1130.5*	1087.0	1019.4
25°	1225.3	1225.3	1217.7	1210.0	1204.6	1210.0	1201.3	1167.6	*1165.4*	1113.1	1038.0
27.5°	1335.3	1335.3	1318.9	1290.6	1254.7	1244.9	1238.4	1203.5	*1197.0*	1141.4	1049.9
30°	1474.7	1479.1	1449.6	1401.7	1335.3	1291.7	1275.4	1237.3	*1234.0*	1169.7	1068.4
32.5°	1623.9	1632.6	1610.8	1541.1	1432.2	1347.3	1321.1	1281.9	*1274.3*	1203.5	1092.4
35°	1757.9	1766.6	1737.2	1671.8	1532.4	1427.9	1375.6	1330.9	*1326.6*	1247.1	1128.4
37.5°	1866.8	1869.0	1850.5	1770.9	1616.3	1495.4	1443.1	1389.7	*1381.0*	1299.3	1166.5
40°	1982.2	1990.9	1972.4	1874.4	1692.5	1568.4	1510.6	1460.5	*1452.9*	1353.8	1202.4
42.5°	2103.1	2102.0	2102.0	1963.7	1768.8	1629.4	1583.6	1528.1	*1523.7*	1409.3	1241.6
45°	2177.2	2181.5	2169.6	2017.1	1880.9	1692.5	1654.4	1614.1	*1606.5*	1486.7	1292.8
47.5°	2195.7	2185.9	2131.4	2058.5	2007.3	1757.9	1743.7	1719.8	*1702.3*	1571.6	1356.0
50°	2170.7	2155.4	2123.8	2077.0	2054.1	1836.3	1834.1	1846.1	*1834.1*	1675.1	1429.0
52.5°	2077.0	2074.8	2069.4	2080.3	2043.2	1898.4	1936.5	1977.9	*1975.7*	1780.7	1505.2
55°	1879.9	1894.0	1959.4	2028.0	2001.8	1940.8	2050.9	2130.4	*2121.6*	1904.9	1583.6
57.5°	1678.4	1692.5	1776.4	1939.8	1961.5	1986.6	2179.4	2303.5	*2289.4*	2040.0	1655.5
60°	1503.0	1487.8	1571.6	1806.9	1904.9	2028.0	2306.8	2478.9	*2466.9*	2175.0	1729.6
62.5°	1225.3	1240.5	1374.5	1613.0	1825.4	2054.1	2411.4	2637.9	*2630.3*	2299.2	1789.5
65°	969.3	948.6	1150.1	1409.3	1688.2	2045.4	2501.8	2787.1	*2781.7*	2421.2	1835.2
67.5°	658.9	644.8	910.5	1206.8	1501.9	1975.7	2522.5	2887.3	*2889.5*	2493.0	1847.2
70°	*444.4*	*437.8*	*654.6*	*927.9*	*1243.8*	*1825.4*	*2458.2*	*2908.0*	*2915.6*	*2511.6*	*1793.8*
72.5°	327.8	326.7	479.2	662.2	925.8	1541.1	2282.8	2773.0	*2787.1*	2380.9	1637.0
75°	258.1	261.4	342.0	470.5	617.5	1140.3	1920.2	2377.6	*2399.4*	2056.3	1359.2
77.5°	211.3	211.3	239.6	337.6	412.8	707.9	1381.0	1740.4	*1784.0*	1586.9	1046.7
80°	171.0	174.3	177.5	235.3	273.4	404.1	803.8	1161.0	*1192.6*	1105.5	755.9
82.5°	93.7	100.2	96.9	122.0	137.2	187.3	319.1	469.4	*517.3*	460.7	343.1
85°	6.5	4.4	7.6	9.8	12.0	18.5	25.1	34.9	*32.7*	46.8	24.0
87.5°	1.1	1.1	1.1	2.2	2.2	3.3	4.4	4.4	*4.4*	4.4	4.4
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: P871175
CATALOG NUMBER: EMM2-HSN-SA1B-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2
2.5°	947.6	942.1	933.4	931.2	927.9	923.6	919.2	912.7	910.5	912.7	914.9
5°	948.6	941.0	926.9	918.1	909.4	901.8	893.1	884.4	878.9	880.0	884.4
7.5°	951.9	941.0	919.2	905.1	890.9	878.9	864.8	855.0	848.4	849.5	852.8
10°	956.3	941.0	914.9	890.9	871.3	853.9	839.7	827.7	821.2	820.1	821.2
12.5°	957.4	939.9	905.1	875.7	851.7	828.8	813.6	802.7	796.2	792.9	795.1
15°	960.6	936.7	895.3	859.3	829.9	806.0	787.4	774.4	770.0	767.8	766.8
17.5°	965.0	935.6	886.6	843.0	808.1	780.9	764.6	751.5	746.1	743.9	746.1
20°	971.5	936.7	876.8	826.7	788.5	761.3	742.8	729.7	725.4	724.3	723.2
22.5°	980.2	938.8	869.1	811.4	766.8	739.5	721.0	712.3	709.0	710.1	710.1
25°	988.9	941.0	858.2	790.7	743.9	715.6	702.5	696.0	698.1	702.5	702.5
27.5°	996.6	939.9	843.0	768.9	716.7	690.5	680.7	681.8	687.2	694.9	696.0
30°	1006.4	939.9	826.7	741.7	686.2	661.1	658.9	667.6	676.4	684.0	684.0
32.5°	1021.6	946.5	813.6	714.5	654.6	635.0	644.8	656.8	666.6	674.2	676.4
35°	1047.8	960.6	804.9	687.2	624.1	609.9	628.4	648.0	654.6	660.0	661.1
37.5°	1072.8	973.7	794.0	661.1	592.5	587.0	612.1	632.8	633.9	637.1	637.1
40°	1096.8	983.5	779.8	632.8	562.0	562.0	591.4	608.8	606.7	603.4	604.5
42.5°	1122.9	988.9	763.5	606.7	536.9	536.9	560.9	576.2	575.1	579.4	582.7
45°	1154.5	999.8	741.7	582.7	510.8	506.5	526.1	539.1	555.5	575.1	580.5
47.5°	1198.1	1015.1	724.3	556.6	489.0	473.8	481.4	508.6	527.1	543.5	545.7
50°	1243.8	1036.9	709.0	529.3	462.9	435.7	442.2	472.7	483.6	490.1	493.4
52.5°	1292.8	1054.3	696.0	506.5	435.7	396.4	405.2	434.6	442.2	447.6	448.7
55°	1335.3	1068.4	679.6	484.7	406.2	359.4	370.3	398.6	406.2	412.8	412.8
57.5°	1379.9	1081.5	668.7	466.2	374.7	328.9	336.5	364.9	375.8	377.9	381.2
60°	1417.0	1093.5	658.9	448.7	345.3	301.7	307.1	332.2	345.3	346.3	348.5
62.5°	1443.1	1101.1	653.5	426.9	315.9	274.5	278.8	303.9	319.1	322.4	323.5
65°	1459.4	1105.5	643.7	398.6	290.8	251.6	251.6	276.6	291.9	299.5	301.7
67.5°	1451.8	1097.9	617.5	366.0	267.9	228.7	227.6	252.7	265.8	270.1	271.2
70°	*1393.0*	*1053.2*	*564.2*	*325.7*	*244.0*	*208.0*	*205.8*	*228.7*	*240.7*	*230.9*	*232.0*
72.5°	1273.2	951.9	491.2	285.4	218.9	188.4	186.2	205.8	206.9	206.9	205.8
75°	1072.8	777.6	392.1	242.9	192.8	167.7	168.8	184.1	185.2	190.6	187.3
77.5°	822.3	576.2	306.0	193.9	163.4	149.2	154.7	160.1	167.7	175.4	167.7
80°	597.9	397.5	212.4	144.9	126.3	126.3	128.5	134.0	144.9	152.5	144.9
82.5°	255.9	175.4	98.0	71.9	62.1	61.0	62.1	62.1	76.2	78.4	68.6
85°	19.6	16.3	12.0	12.0	9.8	5.4	5.4	4.4	3.3	3.3	3.3
87.5°	4.4	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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: SP1-2407-157-7

Test Date: 09/05/2024

Luminaire Tested: MEM2-HTN-SA-40-830-U-5WQ

Data in this report applies to families of products including MEM2-HTN-SA-40-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

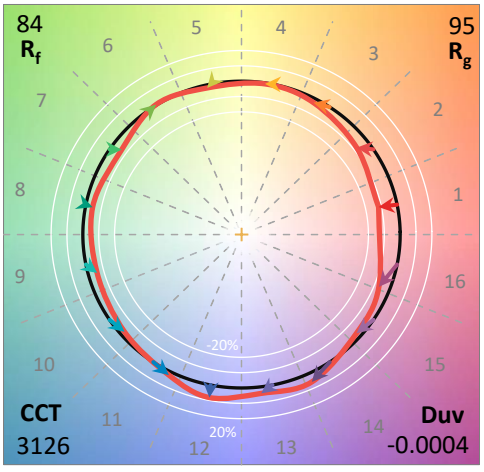
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-7
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	09/05/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-SA-40-830-U-5WQ**
Description:	Epic Modern Light Square 40W 5WQ Optic

Spectral Parameters

CCT (K):	3126
CIE u':	0.2465
CIE v':	0.5182
Duv:	-0.0004
CIE x:	0.4277
CIE y:	0.3997
CIE z:	0.1727
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	582
Purity:	48.31913
Rf:	84.4
Rg:	94.7

CRI (Ra):	82.6
R1:	81.4
R2:	92.2
R3:	94.9
R4:	80.1
R5:	81.8
R6:	90.5
R7:	81.8
R8:	58.0
R9:	5.1
R10:	82.2
R11:	79.8
R12:	70.4
R13:	84.2
R14:	97.9
R15:	73.6



Test Conditions

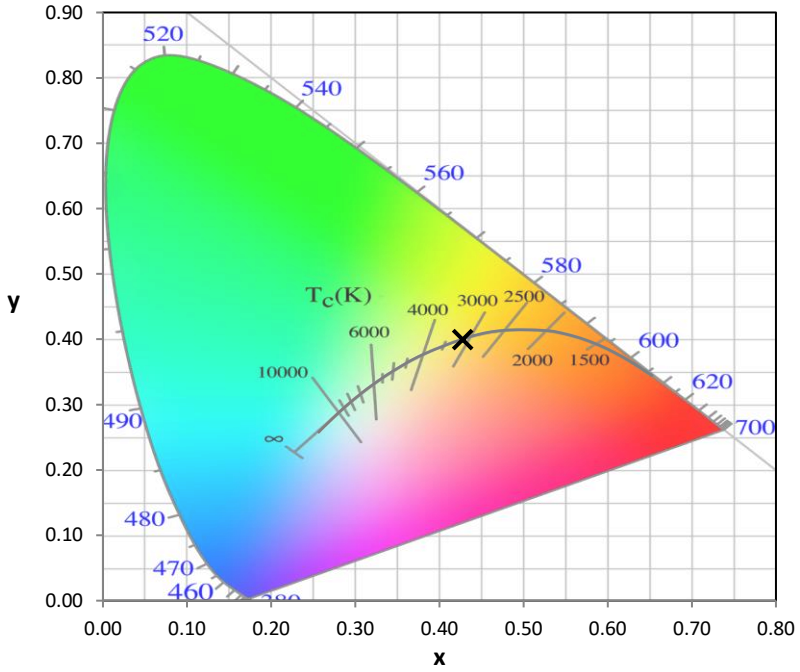
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	24.3

REPORT NUMBER: SP1-2407-157-7

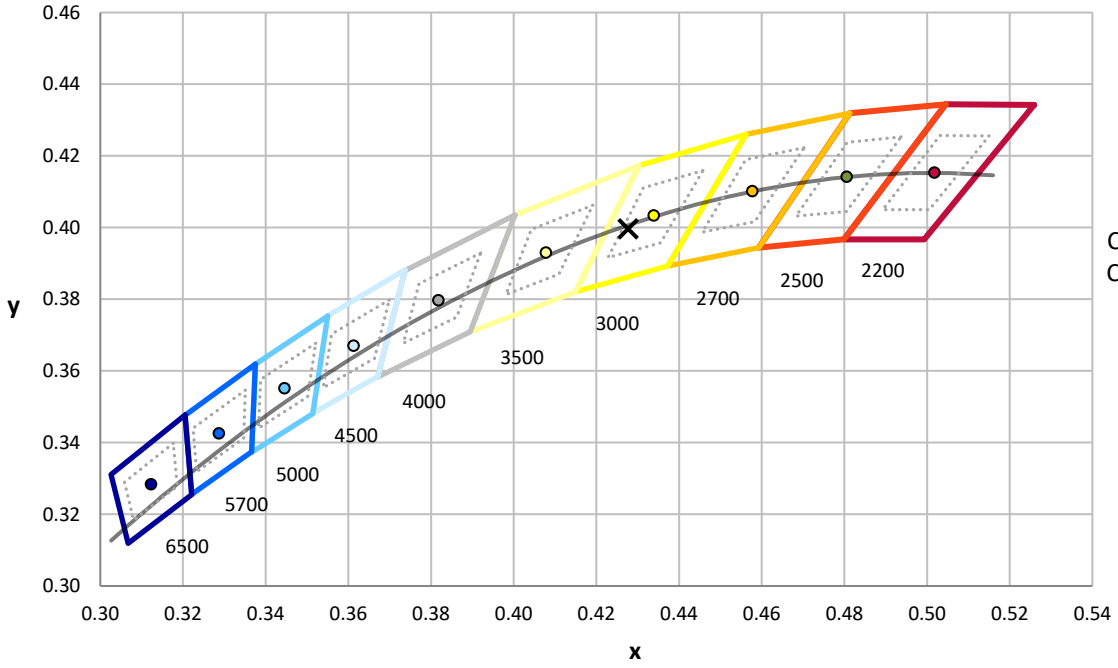
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-7

CIE 1931 Chromaticity Diagram



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

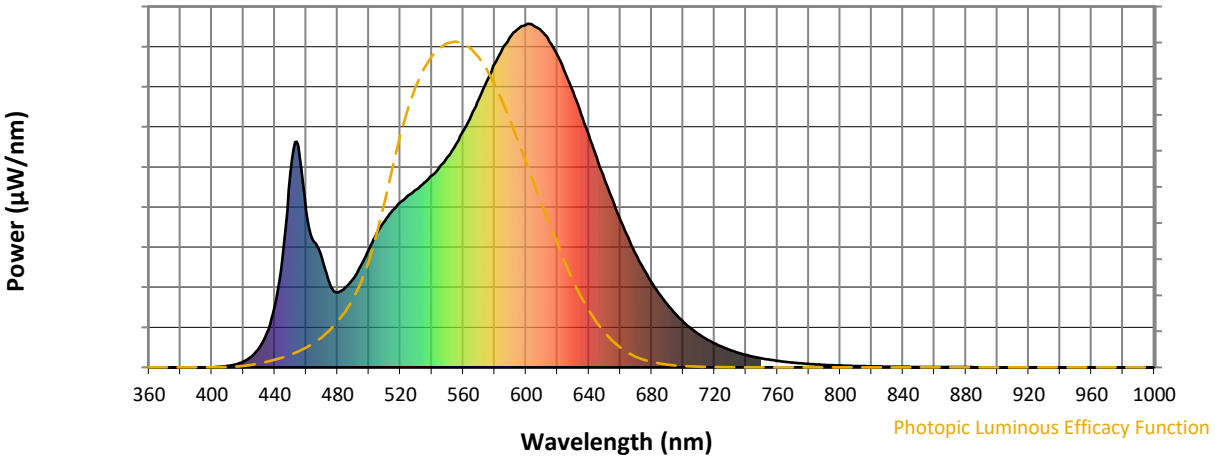


CCT = 3126K
CIE x = 0.4277
CIE y = 0.3997
Duv = -0.0004

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-7

Photopic Flux vs. Wavelength

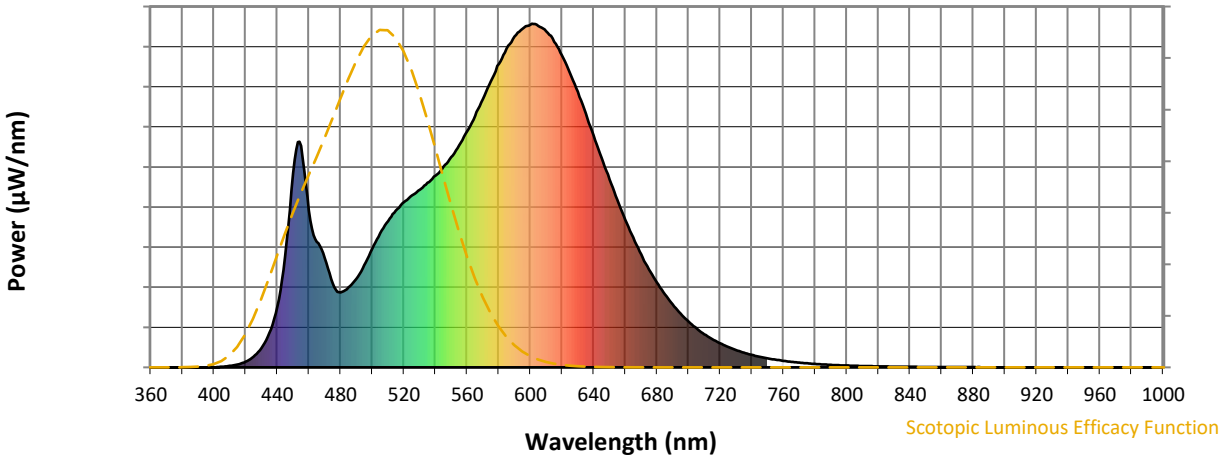


Photopic Lumens: NR

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	258	NR	620	908	NR	750	26	NR	880	1	NR
365	0	NR	495	297	NR	625	857	NR	755	22	NR	885	0	NR
370	0	NR	500	345	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	391	NR	635	738	NR	765	16	NR	895	0	NR
380	0	NR	510	426	NR	640	675	NR	770	14	NR	900	0	NR
385	0	NR	515	456	NR	645	610	NR	775	12	NR	905	0	NR
390	0	NR	520	480	NR	650	547	NR	780	10	NR	910	0	NR
395	0	NR	525	500	NR	655	488	NR	785	9	NR	915	0	NR
400	0	NR	530	517	NR	660	429	NR	790	7	NR	920	0	NR
405	2	NR	535	538	NR	665	378	NR	795	6	NR	925	0	NR
410	4	NR	540	558	NR	670	328	NR	800	5	NR	930	0	NR
415	9	NR	545	584	NR	675	285	NR	805	5	NR	935	0	NR
420	16	NR	550	611	NR	680	247	NR	810	4	NR	940	0	NR
425	31	NR	555	646	NR	685	212	NR	815	3	NR	945	0	NR
430	56	NR	560	687	NR	690	183	NR	820	3	NR	950	0	NR
435	101	NR	565	731	NR	695	156	NR	825	3	NR	955	0	NR
440	178	NR	570	780	NR	700	133	NR	830	2	NR	960	0	NR
445	323	NR	575	832	NR	705	114	NR	835	2	NR	965	0	NR
450	566	NR	580	883	NR	710	96	NR	840	2	NR	970	0	NR
455	645	NR	585	927	NR	715	82	NR	845	1	NR	975	0	NR
460	457	NR	590	963	NR	720	70	NR	850	1	NR	980	0	NR
465	365	NR	595	985	NR	725	59	NR	855	1	NR	985	0	NR
470	317	NR	600	998	NR	730	50	NR	860	1	NR	990	0	NR
475	244	NR	605	994	NR	735	43	NR	865	1	NR	995	0	NR
480	218	NR	610	978	NR	740	36	NR	870	1	NR	1000	0	NR
485	233	NR	615	947	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-157-7

Scotopic Flux vs. Wavelength

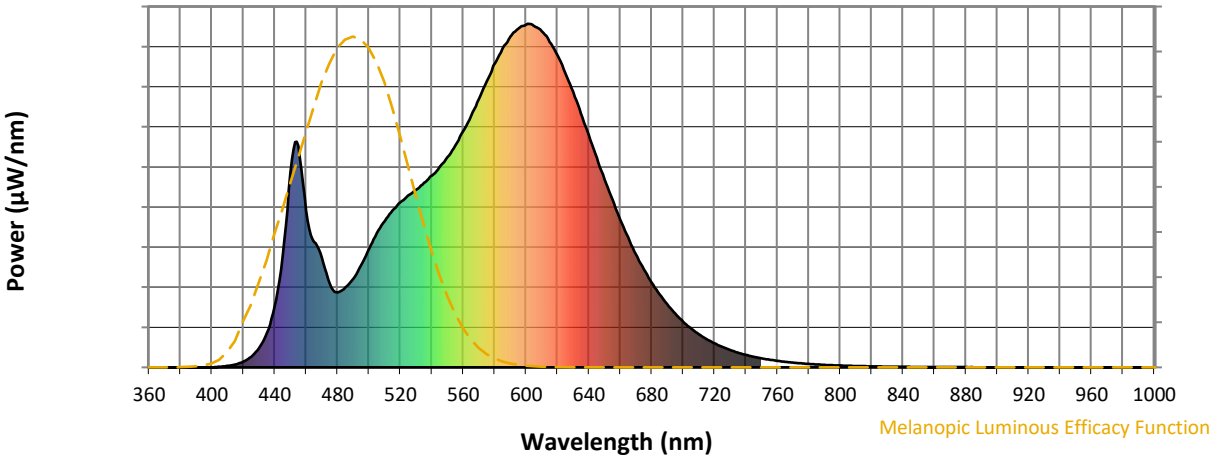


Scotopic Lumens: NR **S/P: 1.42**

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	258	NR	620	908	NR	750	26	NR	880	1	NR
365	0	NR	495	297	NR	625	857	NR	755	22	NR	885	0	NR
370	0	NR	500	345	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	391	NR	635	738	NR	765	16	NR	895	0	NR
380	0	NR	510	426	NR	640	675	NR	770	14	NR	900	0	NR
385	0	NR	515	456	NR	645	610	NR	775	12	NR	905	0	NR
390	0	NR	520	480	NR	650	547	NR	780	10	NR	910	0	NR
395	0	NR	525	500	NR	655	488	NR	785	9	NR	915	0	NR
400	0	NR	530	517	NR	660	429	NR	790	7	NR	920	0	NR
405	2	NR	535	538	NR	665	378	NR	795	6	NR	925	0	NR
410	4	NR	540	558	NR	670	328	NR	800	5	NR	930	0	NR
415	9	NR	545	584	NR	675	285	NR	805	5	NR	935	0	NR
420	16	NR	550	611	NR	680	247	NR	810	4	NR	940	0	NR
425	31	NR	555	646	NR	685	212	NR	815	3	NR	945	0	NR
430	56	NR	560	687	NR	690	183	NR	820	3	NR	950	0	NR
435	101	NR	565	731	NR	695	156	NR	825	3	NR	955	0	NR
440	178	NR	570	780	NR	700	133	NR	830	2	NR	960	0	NR
445	323	NR	575	832	NR	705	114	NR	835	2	NR	965	0	NR
450	566	NR	580	883	NR	710	96	NR	840	2	NR	970	0	NR
455	645	NR	585	927	NR	715	82	NR	845	1	NR	975	0	NR
460	457	NR	590	963	NR	720	70	NR	850	1	NR	980	0	NR
465	365	NR	595	985	NR	725	59	NR	855	1	NR	985	0	NR
470	317	NR	600	998	NR	730	50	NR	860	1	NR	990	0	NR
475	244	NR	605	994	NR	735	43	NR	865	1	NR	995	0	NR
480	218	NR	610	978	NR	740	36	NR	870	1	NR	1000	0	NR
485	233	NR	615	947	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-157-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.79**

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	258	NR	620	908	NR	750	26	NR	880	1	NR
365	0	NR	495	297	NR	625	857	NR	755	22	NR	885	0	NR
370	0	NR	500	345	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	391	NR	635	738	NR	765	16	NR	895	0	NR
380	0	NR	510	426	NR	640	675	NR	770	14	NR	900	0	NR
385	0	NR	515	456	NR	645	610	NR	775	12	NR	905	0	NR
390	0	NR	520	480	NR	650	547	NR	780	10	NR	910	0	NR
395	0	NR	525	500	NR	655	488	NR	785	9	NR	915	0	NR
400	0	NR	530	517	NR	660	429	NR	790	7	NR	920	0	NR
405	2	NR	535	538	NR	665	378	NR	795	6	NR	925	0	NR
410	4	NR	540	558	NR	670	328	NR	800	5	NR	930	0	NR
415	9	NR	545	584	NR	675	285	NR	805	5	NR	935	0	NR
420	16	NR	550	611	NR	680	247	NR	810	4	NR	940	0	NR
425	31	NR	555	646	NR	685	212	NR	815	3	NR	945	0	NR
430	56	NR	560	687	NR	690	183	NR	820	3	NR	950	0	NR
435	101	NR	565	731	NR	695	156	NR	825	3	NR	955	0	NR
440	178	NR	570	780	NR	700	133	NR	830	2	NR	960	0	NR
445	323	NR	575	832	NR	705	114	NR	835	2	NR	965	0	NR
450	566	NR	580	883	NR	710	96	NR	840	2	NR	970	0	NR
455	645	NR	585	927	NR	715	82	NR	845	1	NR	975	0	NR
460	457	NR	590	963	NR	720	70	NR	850	1	NR	980	0	NR
465	365	NR	595	985	NR	725	59	NR	855	1	NR	985	0	NR
470	317	NR	600	998	NR	730	50	NR	860	1	NR	990	0	NR
475	244	NR	605	994	NR	735	43	NR	865	1	NR	995	0	NR
480	218	NR	610	978	NR	740	36	NR	870	1	NR	1000	0	NR
485	233	NR	615	947	NR	745	31	NR	875	1	NR			

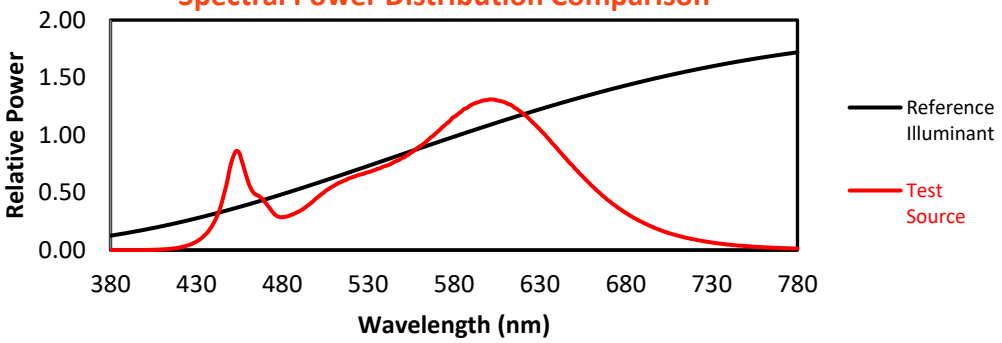
REPORT NUMBER: SP1-2407-157-7

TM-30-18

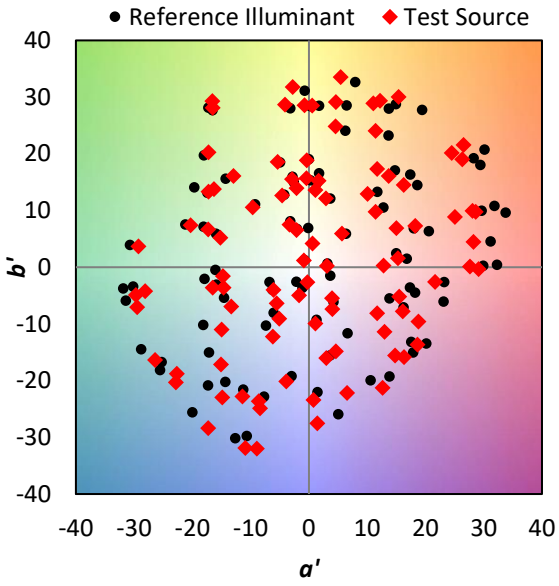
Summary

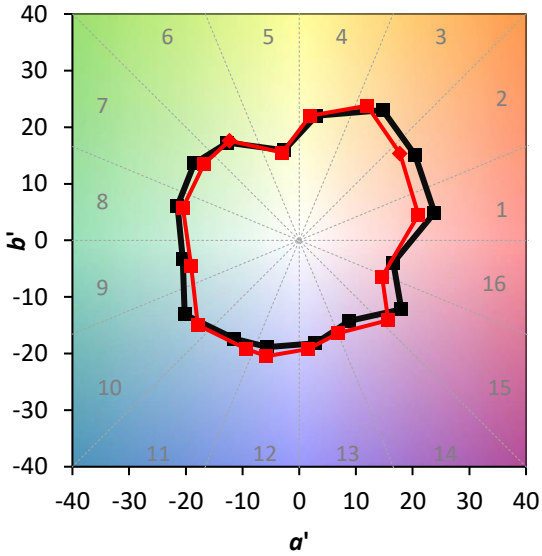
R_f = 84.4
R_g = 94.7
CIE R_a = 82.6
R_9 = 5.1

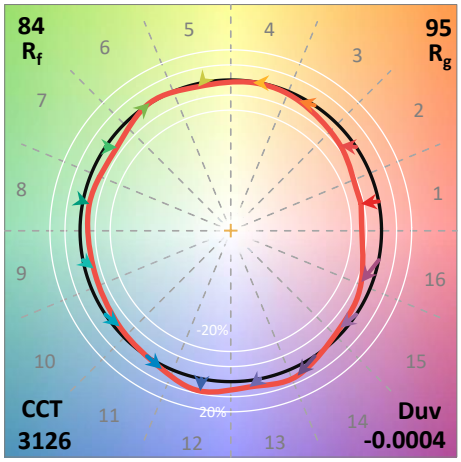
Spectral Power Distribution Comparison

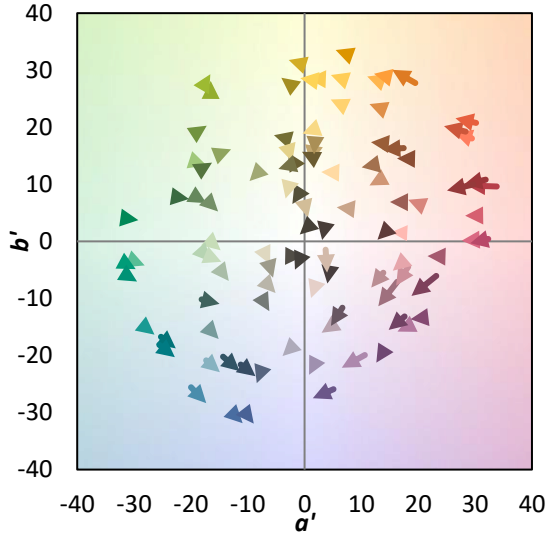


Color Vector Graphics







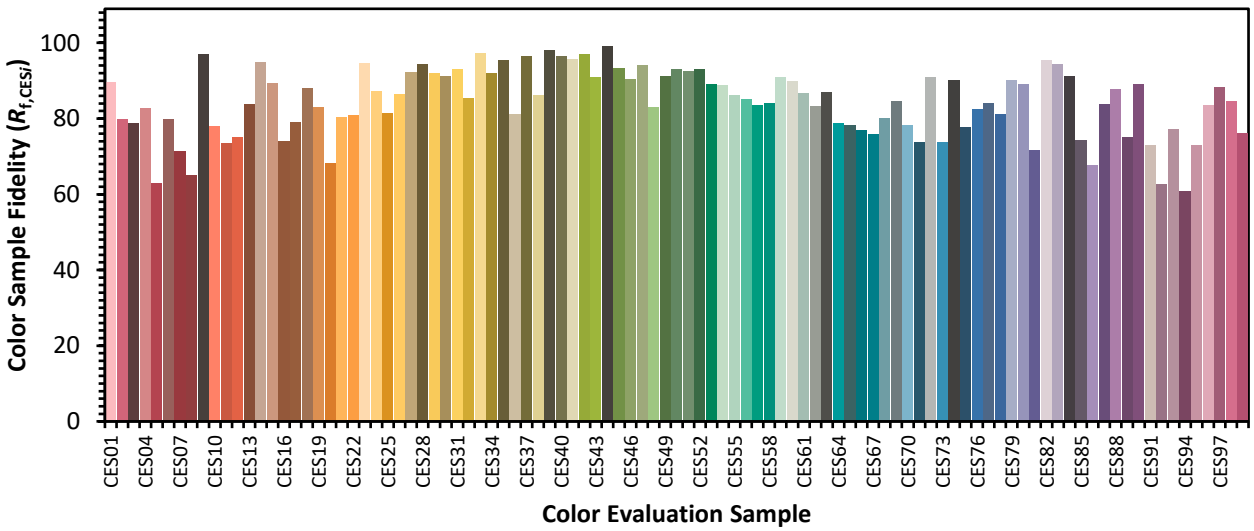


REPORT NUMBER: SP1-2407-157-7

TM-30-18

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

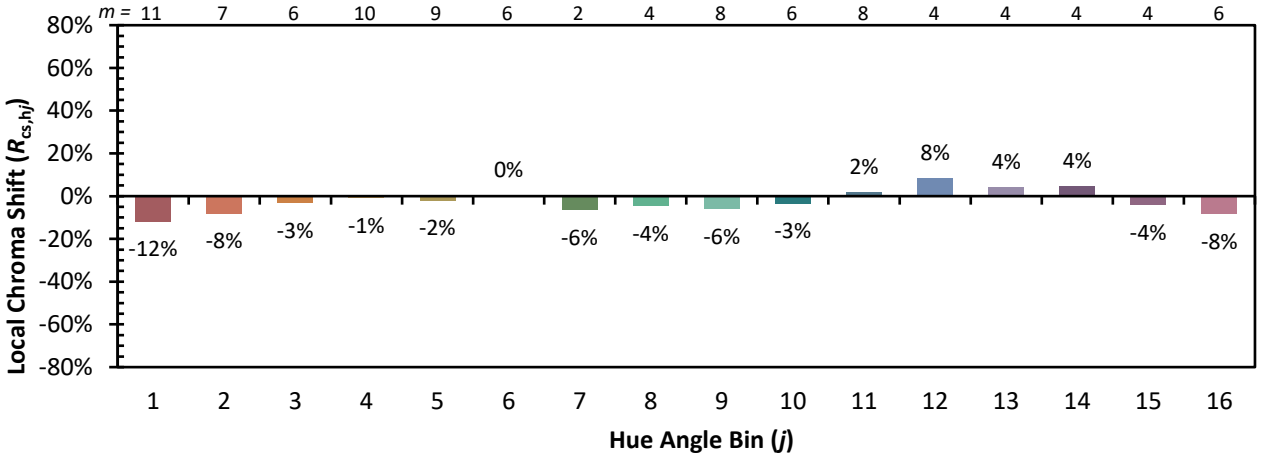
CES01 = 86	CES26 = 86	CES51 = 93	CES76 = 82
CES02 = 63	CES27 = 92	CES52 = 93	CES77 = 84
CES03 = 31	CES28 = 94	CES53 = 89	CES78 = 81
CES04 = 70	CES29 = 92	CES54 = 89	CES79 = 90
CES05 = 49	CES30 = 91	CES55 = 86	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 85	CES81 = 72
CES07 = 42	CES32 = 85	CES57 = 83	CES82 = 95
CES08 = 41	CES33 = 97	CES58 = 84	CES83 = 94
CES09 = 29	CES34 = 92	CES59 = 91	CES84 = 91
CES10 = 76	CES35 = 96	CES60 = 90	CES85 = 74
CES11 = 59	CES36 = 81	CES61 = 87	CES86 = 68
CES12 = 65	CES37 = 96	CES62 = 83	CES87 = 84
CES13 = 43	CES38 = 86	CES63 = 87	CES88 = 88
CES14 = 74	CES39 = 98	CES64 = 79	CES89 = 75
CES15 = 71	CES40 = 96	CES65 = 78	CES90 = 89
CES16 = 47	CES41 = 96	CES66 = 77	CES91 = 73
CES17 = 50	CES42 = 97	CES67 = 76	CES92 = 63
CES18 = 56	CES43 = 91	CES68 = 80	CES93 = 77
CES19 = 72	CES44 = 99	CES69 = 85	CES94 = 61
CES20 = 66	CES45 = 93	CES70 = 78	CES95 = 73
CES21 = 87	CES46 = 90	CES71 = 74	CES96 = 84
CES22 = 79	CES47 = 94	CES72 = 91	CES97 = 88
CES23 = 92	CES48 = 83	CES73 = 74	CES98 = 85
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 76
CES25 = 72	CES50 = 93	CES75 = 78	

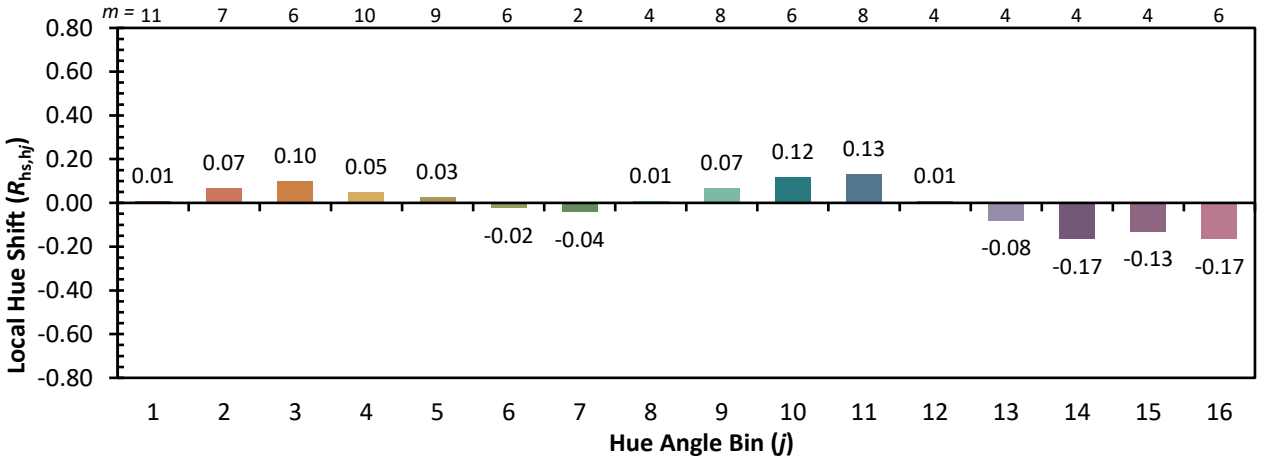


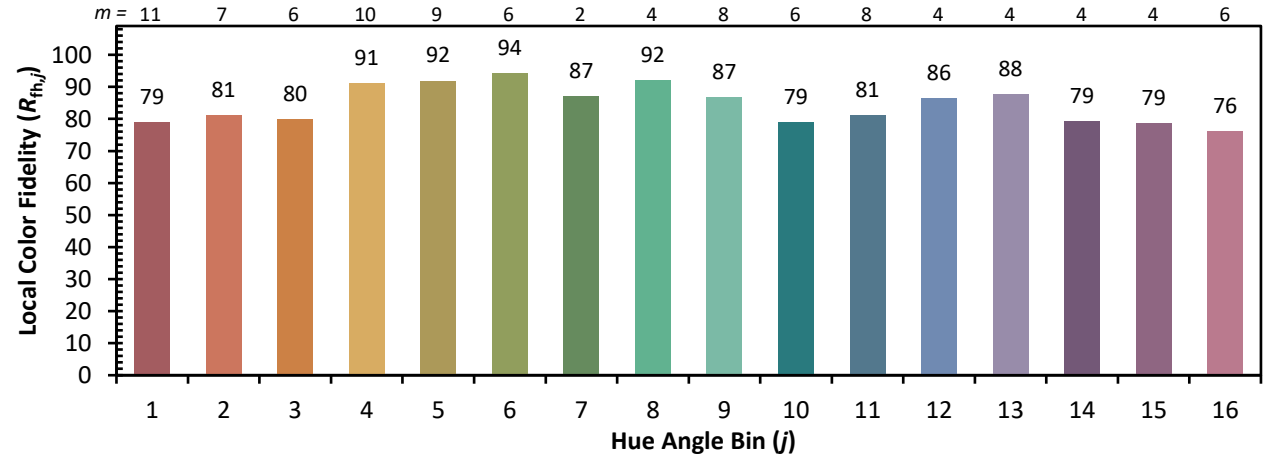
REPORT NUMBER: SP1-2407-157-7

TM-30-18

Color Rendition by Hue-Angle Bin



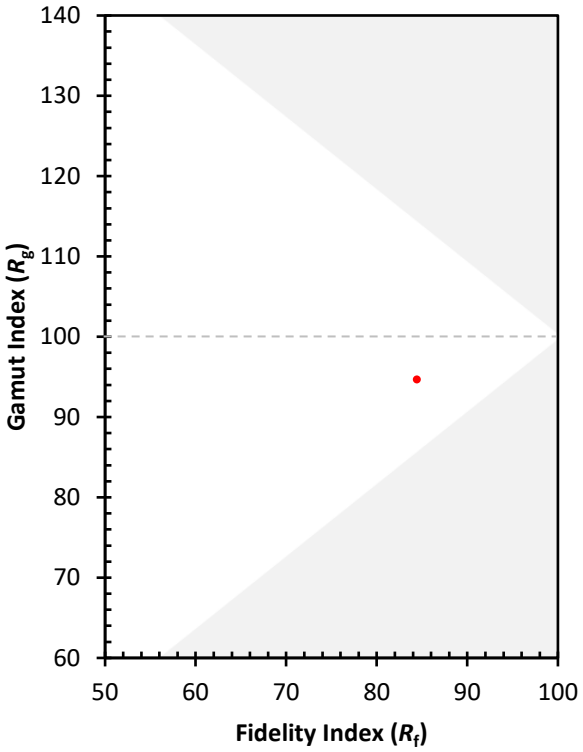


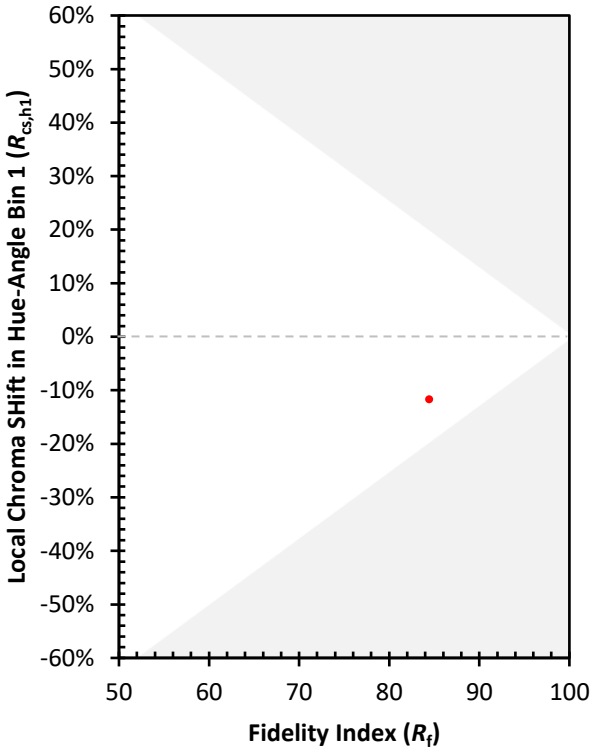


REPORT NUMBER: SP1-2407-157-7

TM-30-18

Measure Comparisons





(END OF REPORT)