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: McGRAW-EDISON

Report Number: P821495

Luminaire Tested: **TT-D2-735-12VDC-RW-UPL**

Issue Date: 10/29/2020

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:	P821495
	REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (G2-2002-677-2) AND
Test Lab:	INNOVATION CENTER
Issue Date:	10/29/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TT-D2-735-12VDC-RW-UPL
Description:	TOPTIER LED PARKING GARAGE LUMINAIRE WITH UPLIGHT
	3500K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4819.8 lumens
Efficiency:	N/A
Efficacy:	126.8 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.12' x H: 0.1')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U4 - G3

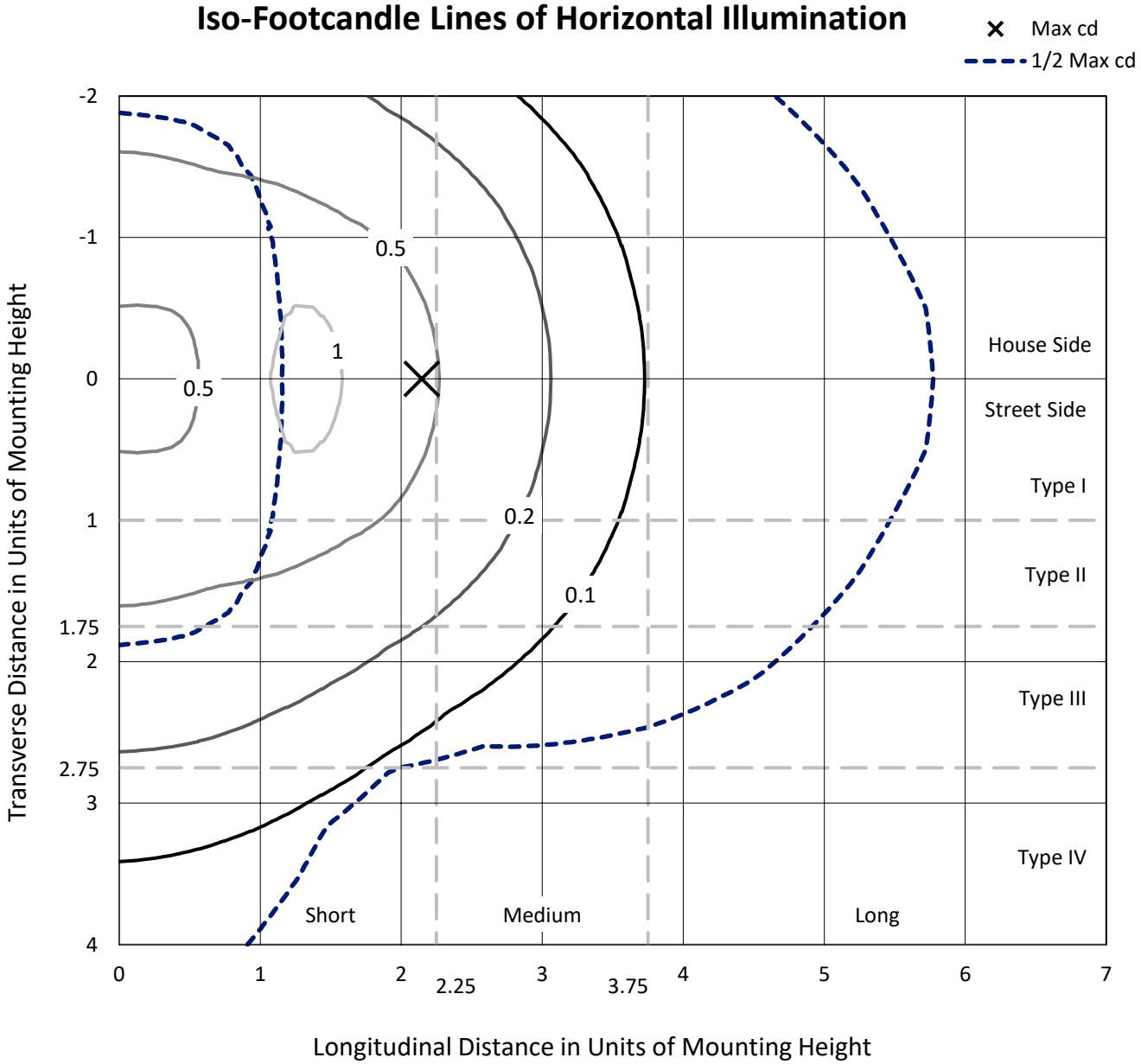
Input Watts (W):	38
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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Scaled Data Report

REPORT NUMBER: P821495
CATALOG NUMBER: TT-D2-735-12VDC-RW-UPL

Iso-Footcandle Lines of Horizontal Illumination



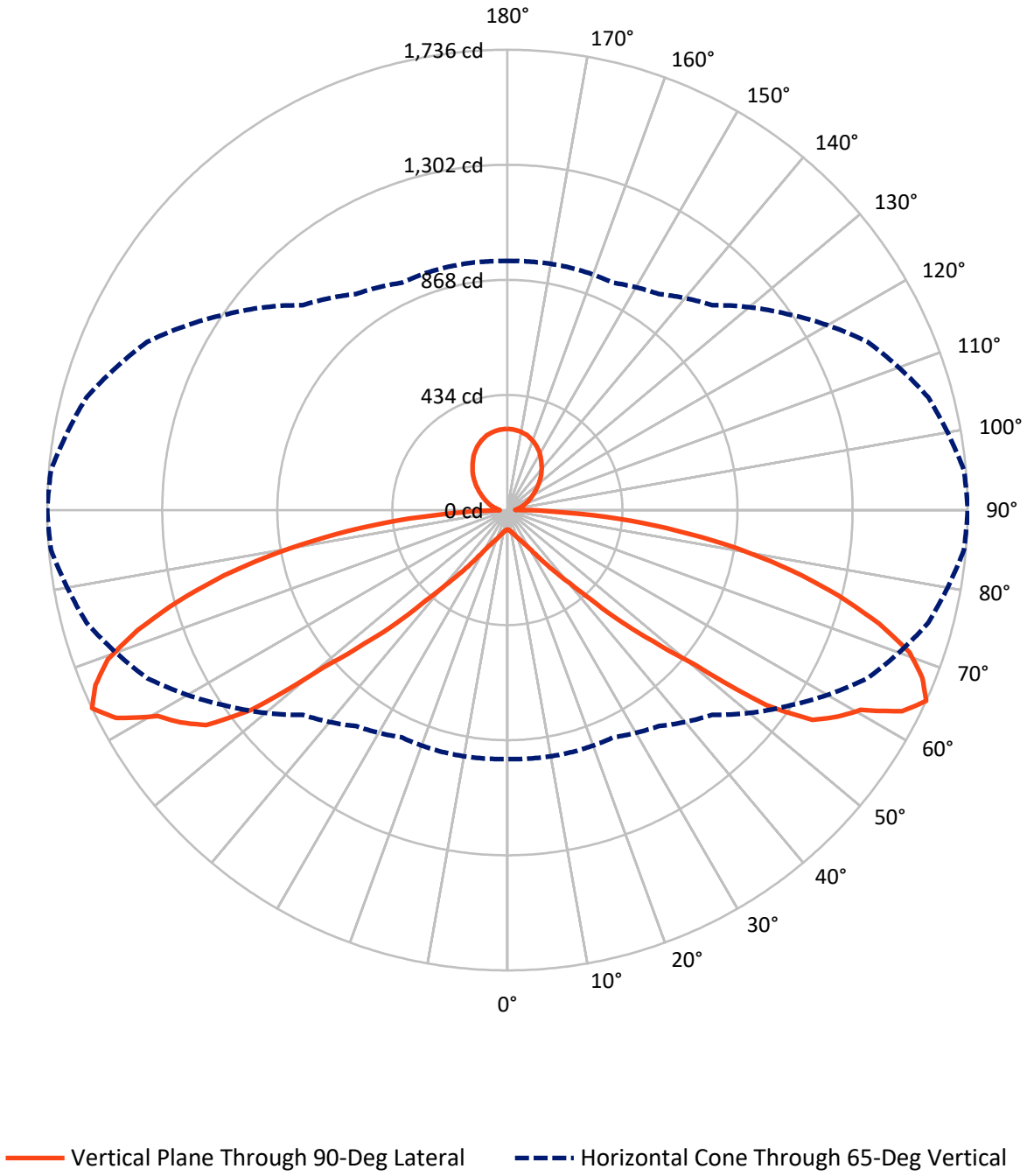
Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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REPORT NUMBER: P821495
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Luminous Intensity Polar Plot



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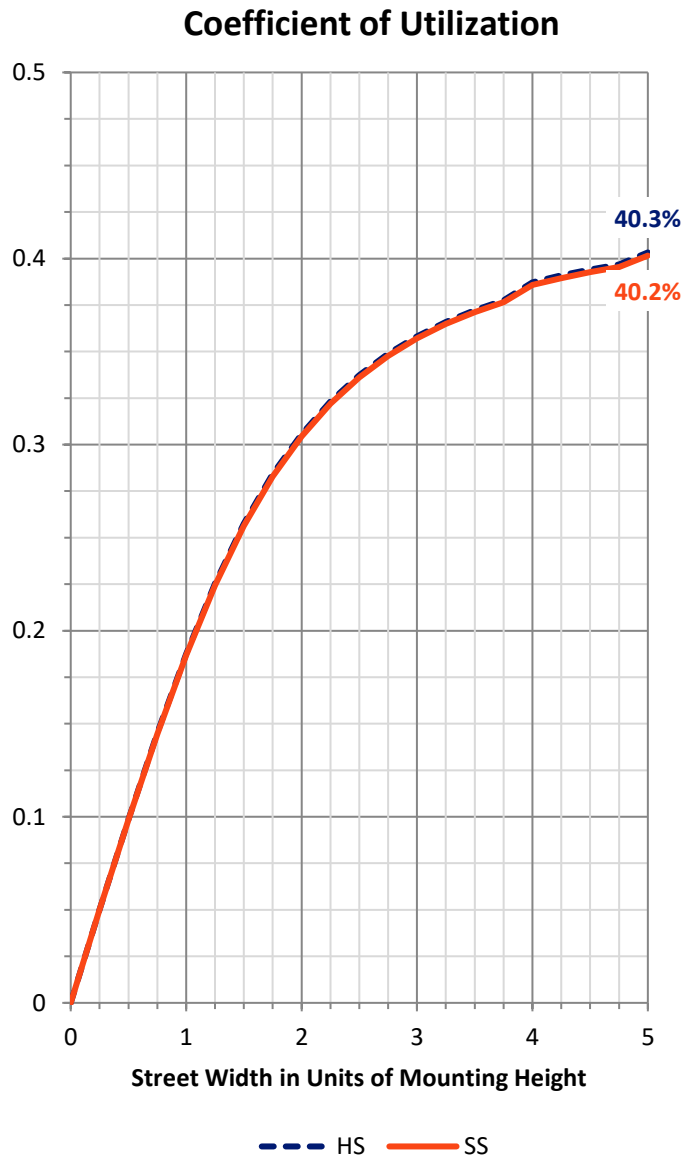
REPORT NUMBER: P821495
CATALOG NUMBER: TT-D2-735-12VDC-RW-UPL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1994.0	415.9	2409.9
	% Fixture	41.4	8.6	50.0
Street Side	Lumens	1994.0	415.9	2409.9
	% Fixture	41.4	8.6	50.0
Total	Lumens	3988.0	831.7	4819.8
	% Fixture	82.7	17.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.2
10°-20°	28.4	0.6
20°-30°	65.7	1.4
30°-40°	148.4	3.1
40°-50°	361.6	7.5
50°-60°	813.1	16.9
60°-70°	1188.3	24.7
70°-80°	1035.5	21.5
80°-90°	339.4	7.0
90°-100°	42.6	0.9
100°-110°	66.0	1.4
110°-120°	91.9	1.9
120°-130°	119.0	2.5
130°-140°	138.7	2.9
140°-150°	140.5	2.9
150°-160°	121.9	2.5
160°-170°	82.2	1.7
170°-180°	28.9	0.6
0°-90°	3988.0	82.7
0°-180°	4819.8	100.0



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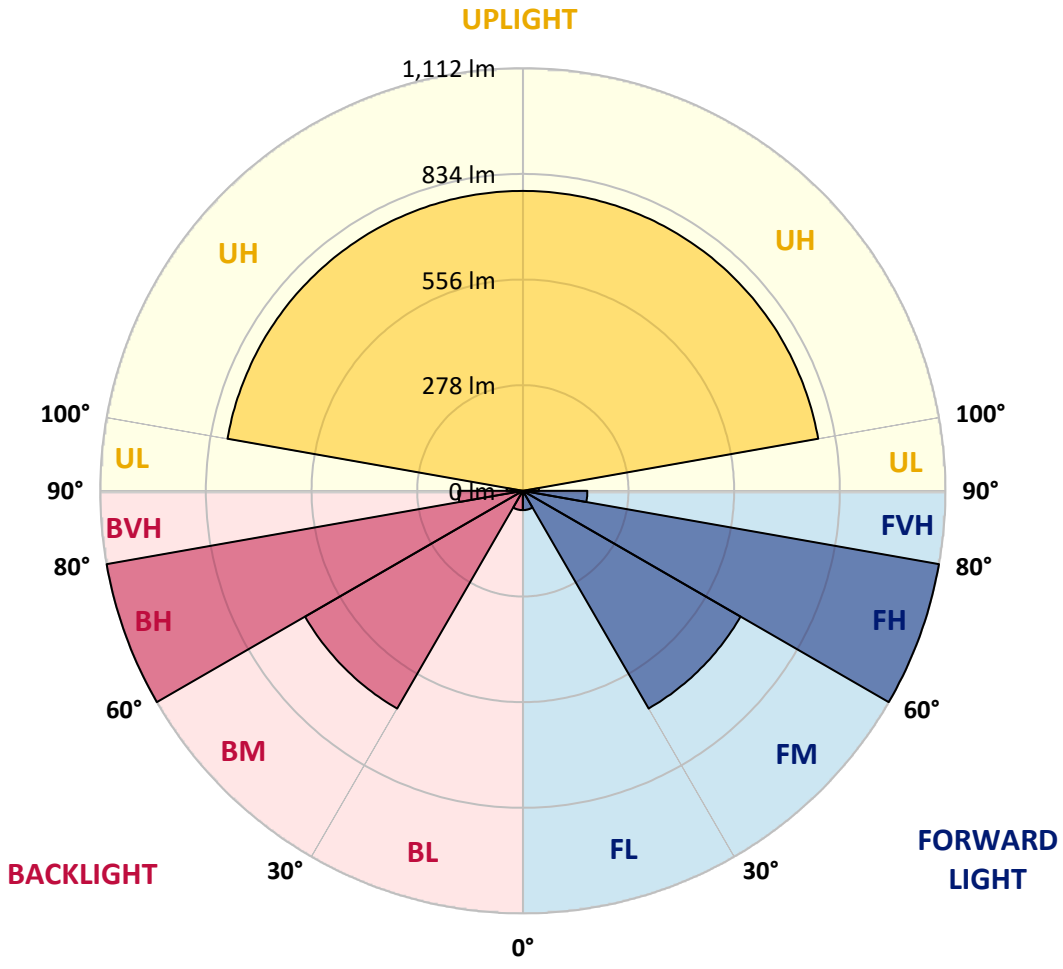
Scaled Data Report

REPORT NUMBER: P821495
CATALOG NUMBER: TT-D2-735-12VDC-RW-UPL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	50.8	1.1			
FM	(30°-60°)	661.6	13.7			
FH	(60°-80°)	1111.9	23.1			G1/1800
FVH	(80°-90°)	169.7	3.5			G2/225
BL	(0°-30°)	50.8	1.1	B0/110		
BM	(30°-60°)	661.6	13.7	B1/1000		
BH	(60°-80°)	1111.9	23.1	B3/2500		G3/2500
BVH	(80°-90°)	169.7	3.5			G2/225
UL	(90°-100°)	42.6	0.9		U2/50	
UH	(100°-180°)	789.1	16.4		U4/1000	

BUG Rating: B3-U4-G3
Type IV Short



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REPORT NUMBER: P821495
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	*72.8*
2.5°	73.7	73.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	*74.7*
5°	76.6	76.6	76.6	76.6	77.5	77.5	76.6	76.6	76.6	76.6	*76.6*
7.5°	81.3	80.4	81.3	81.3	81.3	80.4	80.4	80.4	79.4	79.4	*79.4*
10°	86.0	86.0	87.0	86.0	86.0	85.1	85.1	85.1	84.1	84.1	*84.1*
12.5°	92.6	92.6	92.6	92.6	91.7	91.7	90.7	89.8	88.9	88.9	*88.9*
15°	101.1	100.2	100.2	99.3	98.3	97.4	96.4	96.4	95.5	95.5	*95.5*
17.5°	109.7	109.7	108.7	107.8	105.9	104.9	104.9	104.0	103.0	103.0	*103.0*
20°	120.1	120.1	119.1	117.2	115.3	114.4	113.4	113.4	112.5	112.5	*112.5*
22.5°	132.3	131.4	129.5	127.6	125.7	124.8	123.8	122.9	122.9	122.9	*122.9*
25°	145.6	144.6	143.7	140.9	138.0	137.1	135.2	135.2	134.2	135.2	*135.2*
27.5°	161.6	160.7	158.8	156.0	152.2	150.3	149.4	149.4	150.3	150.3	*151.2*
30°	181.5	179.6	177.7	173.9	170.2	167.3	167.3	168.3	171.1	173.0	*173.0*
32.5°	205.1	204.2	201.3	197.6	191.0	189.1	191.0	196.6	200.4	203.2	*205.1*
35°	232.5	231.6	227.8	221.2	216.5	215.5	221.2	230.7	242.9	246.7	*248.6*
37.5°	262.8	263.7	259.0	251.5	246.7	248.6	260.0	277.9	290.2	298.7	*300.6*
40°	300.6	302.5	296.8	288.3	283.6	291.2	309.1	329.9	351.7	362.1	*364.9*
42.5°	345.0	347.9	340.3	331.8	329.0	341.3	366.8	400.8	439.6	451.9	*456.6*
45°	399.9	401.8	392.3	384.7	382.8	404.6	448.1	504.8	566.2	594.6	*599.3*
47.5°	465.1	464.1	455.6	446.2	448.1	479.3	544.5	621.1	686.3	729.8	*739.2*
50°	539.8	535.0	528.4	517.1	529.4	574.7	657.0	749.6	859.3	898.0	*915.1*
52.5°	614.4	605.9	600.3	592.7	614.4	673.1	788.4	950.0	1115.5	1204.3	*1222.3*
55°	681.6	674.9	672.1	673.1	707.1	791.2	942.5	1149.5	1309.2	1383.0	*1396.2*
57.5°	747.7	744.0	741.1	746.8	800.7	910.3	1080.5	1274.3	1405.7	1460.5	*1469.9*
60°	810.1	813.9	812.0	829.0	894.3	1004.9	1152.3	1343.3	1469.9	1520.0	*1530.4*
62.5°	879.1	882.0	882.0	900.9	953.8	1051.2	1201.5	1424.6	1585.3	1659.0	*1670.3*
65°	*938.7*	*940.6*	*944.4*	*945.3*	*994.5*	*1091.8*	*1288.4*	*1499.2*	*1642.9*	*1728.0*	*1735.6*
67.5°	983.1	985.0	980.3	975.6	1013.4	1101.3	1281.8	1489.8	1617.4	1681.7	*1687.4*
70°	1019.0	1010.5	997.3	973.7	986.0	1052.1	1227.0	1414.2	1542.7	1600.4	*1608.9*
72.5°	1023.8	1016.2	974.6	921.7	906.5	964.2	1130.6	1298.8	1409.4	1464.3	*1465.2*
75°	995.4	975.6	906.5	827.1	798.8	853.6	996.3	1149.5	1238.3	1284.7	*1289.4*
77.5°	899.9	881.0	794.1	703.3	671.2	718.4	839.4	963.3	1048.3	1093.7	*1096.6*
80°	730.7	724.1	644.7	561.5	522.8	550.2	656.0	753.4	822.4	876.3	*881.0*
82.5°	538.8	533.2	472.7	399.9	368.7	391.4	467.0	538.8	603.1	646.6	*649.4*
85°	336.5	325.2	287.4	236.3	215.5	230.7	280.8	329.0	386.6	420.7	*422.6*
87.5°	112.5	107.8	92.6	76.6	64.3	67.1	82.2	100.2	146.5	161.6	*171.1*
90°	30.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	*29.1*
92.5°	34.8	34.2	34.2	33.8	33.8	33.8	33.8	33.8	33.8	33.8	*33.8*
95°	39.4	39.4	39.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	*38.5*
97.5°	44.6	44.6	44.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	*44.2*
100°	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	*49.8*
102.5°	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.4	55.9	55.9	*55.9*
105°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.9	62.0	62.0	*62.0*
107.5°	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.5	69.0	69.0	*69.0*
110°	75.1	75.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	*76.1*

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REPORT NUMBER: P821495
CATALOG NUMBER: TT-D2-735-12VDC-RW-UPL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	83.1	83.1	84.0	84.0	84.0	84.0	84.6	84.6	84.0	84.0	*84.0*
115°	91.1	91.1	92.0	92.0	92.0	92.0	93.0	93.0	92.0	92.0	*92.0*
117.5°	100.5	100.5	101.0	101.4	101.4	101.4	102.4	102.4	101.4	101.4	*101.4*
120°	109.9	109.9	109.9	110.8	110.8	110.8	111.8	111.8	110.8	110.8	*110.8*
122.5°	120.7	120.7	121.2	121.6	121.6	121.6	122.6	122.6	122.1	122.1	*121.6*
125°	131.5	131.5	132.4	132.4	132.4	132.4	133.4	133.4	133.4	133.4	*132.4*
127.5°	143.2	143.2	144.2	144.2	144.2	144.2	145.1	145.1	145.1	145.1	*144.2*
130°	155.0	155.0	155.9	155.9	155.9	155.9	156.8	156.8	156.8	156.8	*155.9*
132.5°	167.2	167.2	167.6	167.6	167.6	168.1	168.6	168.6	168.6	168.6	*168.1*
135°	179.4	179.4	179.4	179.4	179.4	180.3	180.3	180.3	180.3	180.3	*180.3*
137.5°	191.2	190.6	191.2	190.6	191.2	191.6	191.6	191.6	191.6	191.6	*191.6*
140°	202.9	201.9	202.9	201.9	202.9	202.9	202.9	202.9	202.9	202.9	*202.9*
142.5°	213.7	213.2	213.7	212.7	213.7	213.7	213.7	213.7	213.7	213.7	*213.7*
145°	224.5	224.5	224.5	223.5	224.5	224.5	224.5	224.5	224.5	224.5	*224.5*
147.5°	235.8	235.3	235.8	234.8	235.8	235.8	235.8	235.8	235.8	235.8	*235.8*
150°	247.0	246.1	247.0	246.1	247.0	247.0	247.0	247.0	247.0	247.0	*247.0*
152.5°	256.0	255.5	256.4	255.5	256.0	256.0	256.4	256.0	256.0	256.0	*256.0*
155°	264.9	264.9	265.8	264.9	264.9	264.9	265.8	264.9	264.9	264.9	*264.9*
157.5°	272.4	272.4	273.3	272.4	272.4	272.4	273.3	272.4	272.4	272.4	*272.4*
160°	279.9	279.9	280.8	279.9	279.9	279.9	280.8	279.9	279.9	279.9	*279.9*
162.5°	286.0	286.0	286.9	286.0	286.0	286.0	286.9	286.0	286.0	286.0	*286.0*
165°	292.1	292.1	293.0	292.1	292.1	292.1	293.0	292.1	292.1	292.1	*292.1*
167.5°	295.8	295.8	296.8	295.8	295.8	295.8	296.8	295.8	295.8	295.8	*295.8*
170°	299.6	299.6	300.5	299.6	299.6	299.6	300.5	299.6	299.6	299.6	*299.6*
172.5°	302.0	302.0	302.8	302.0	302.4	302.0	302.8	302.0	302.0	302.0	*302.0*
175°	304.3	304.3	305.2	304.3	305.2	304.3	305.2	304.3	304.3	304.3	*304.3*
177.5°	305.2	305.2	305.7	305.2	305.7	305.2	305.7	305.2	305.2	305.2	*305.2*
180°	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	306.2	*306.2*

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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: SP1-2407-176-4

Test Date: 09/24/2024

Luminaire Tested: MEM2-HTN-VA-30-735-U-WQ

Data in this report applies to families of products including MEM2-HTN-VA-30-735-U-WQ

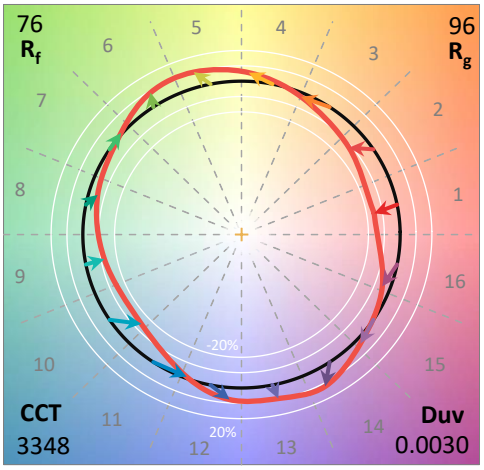
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-4
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-30-735-U-WQ**
Description:	EPIC MODERN VISUAL COMFORT 30W WAVESTREAM WIDE

Spectral Parameters

CCT (K):	3348	CRI (Ra):	73.4		
CIE u':	0.2384	R1:	70.8	R9:	-19.2
CIE v':	0.5184	R2:	79.9	R10:	52.5
Duv:	0.0030	R3:	87.6	R11:	68.0
CIE x:	0.4177	R4:	72.6	R12:	42.6
CIE y:	0.4036	R5:	69.3	R13:	72.0
CIE z:	0.1787	R6:	71.3	R14:	92.6
Peak Wavelength (nm):	593	R7:	82.1	R15:	63.8
Dominant Wavelength (nm):	580	R8:	53.3		
Purity:	46.5223				
Rf:	75.8				
Rg:	95.8				



Test Conditions

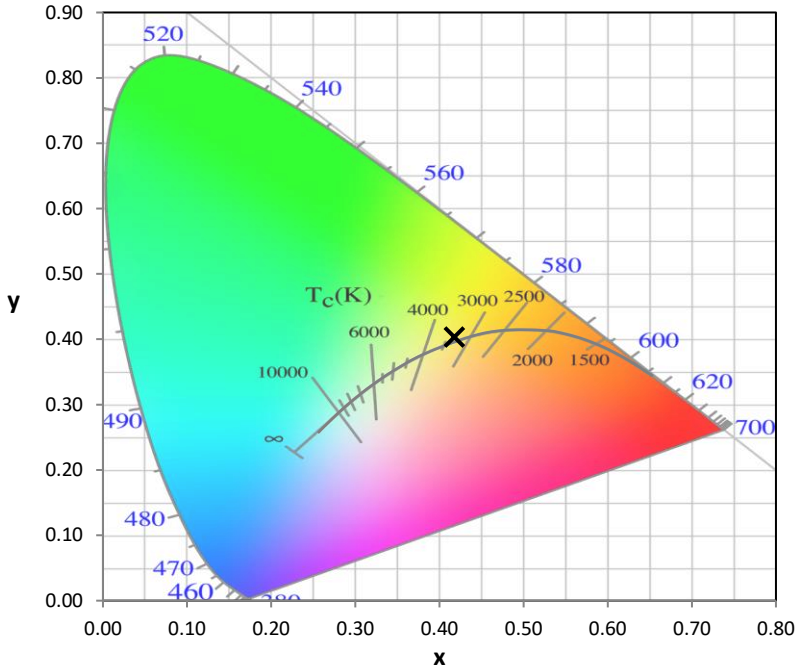
Stabilization Time:	30M
Operation Time:	1H 30M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-4

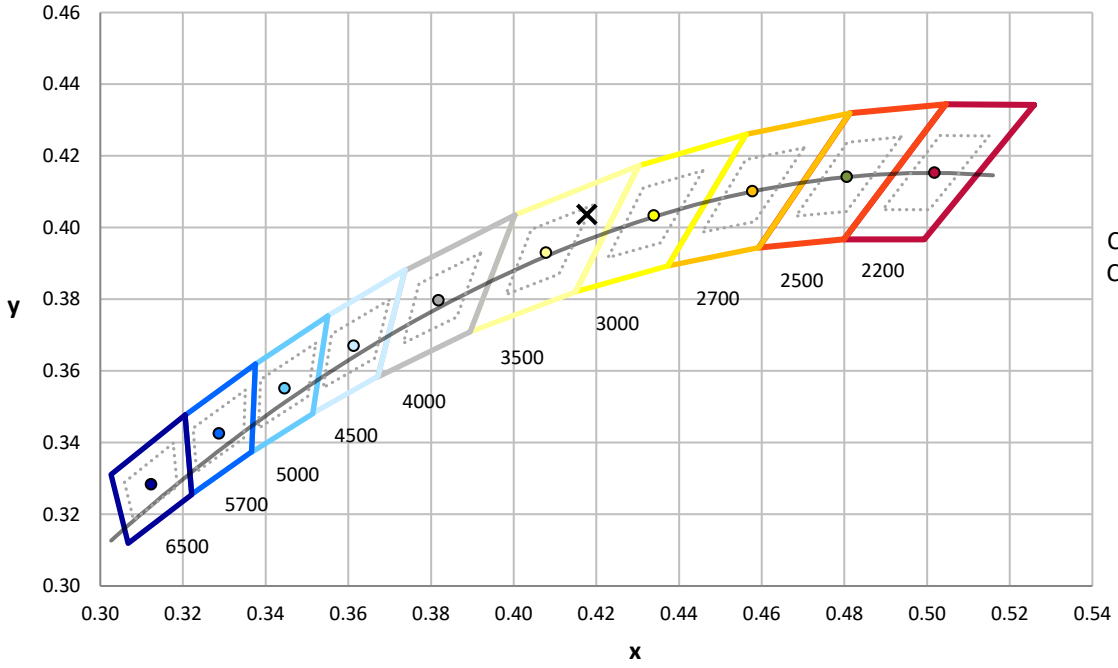
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-176-4

CIE 1931 Chromaticity Diagram



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

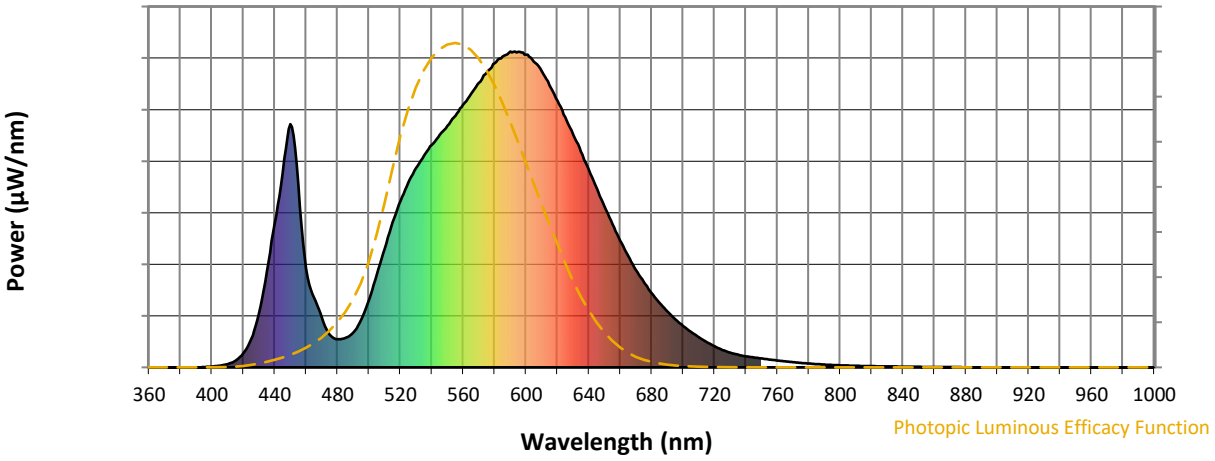


CCT = 3348K
CIE x = 0.4177
CIE y = 0.4036
Duv = 0.0030

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-176-4

Photopic Flux vs. Wavelength

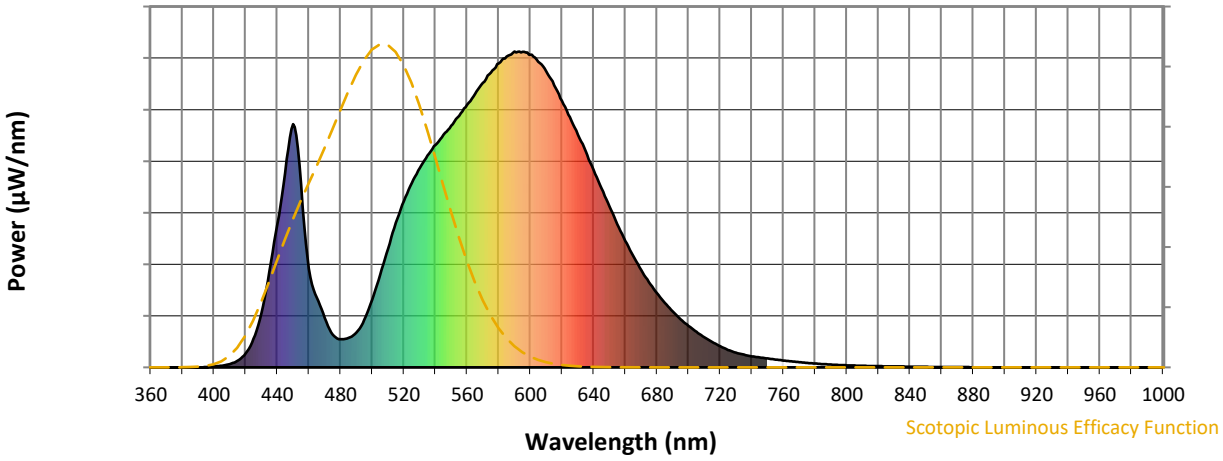


Photopic Lumens: NR

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	110	NR	620	844	NR	750	28	NR	880	0	NR
365	0	NR	495	150	NR	625	792	NR	755	25	NR	885	0	NR
370	0	NR	500	214	NR	630	737	NR	760	22	NR	890	0	NR
375	0	NR	505	293	NR	635	683	NR	765	19	NR	895	0	NR
380	0	NR	510	376	NR	640	625	NR	770	16	NR	900	0	NR
385	0	NR	515	458	NR	645	566	NR	775	14	NR	905	0	NR
390	0	NR	520	526	NR	650	509	NR	780	12	NR	910	0	NR
395	1	NR	525	584	NR	655	453	NR	785	10	NR	915	0	NR
400	3	NR	530	631	NR	660	401	NR	790	9	NR	920	0	NR
405	5	NR	535	671	NR	665	353	NR	795	8	NR	925	0	NR
410	10	NR	540	704	NR	670	308	NR	800	7	NR	930	0	NR
415	21	NR	545	737	NR	675	269	NR	805	6	NR	935	0	NR
420	44	NR	550	766	NR	680	235	NR	810	5	NR	940	0	NR
425	90	NR	555	797	NR	685	204	NR	815	4	NR	945	0	NR
430	171	NR	560	832	NR	690	177	NR	820	4	NR	950	0	NR
435	305	NR	565	866	NR	695	152	NR	825	3	NR	955	0	NR
440	455	NR	570	901	NR	700	131	NR	830	3	NR	960	0	NR
445	615	NR	575	933	NR	705	112	NR	835	3	NR	965	0	NR
450	771	NR	580	963	NR	710	96	NR	840	2	NR	970	0	NR
455	579	NR	585	984	NR	715	80	NR	845	2	NR	975	0	NR
460	313	NR	590	1000	NR	720	67	NR	850	2	NR	980	0	NR
465	221	NR	595	999	NR	725	55	NR	855	1	NR	985	0	NR
470	156	NR	600	990	NR	730	46	NR	860	1	NR	990	0	NR
475	103	NR	605	968	NR	735	40	NR	865	1	NR	995	0	NR
480	89	NR	610	937	NR	740	35	NR	870	1	NR	1000	0	NR
485	93	NR	615	893	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

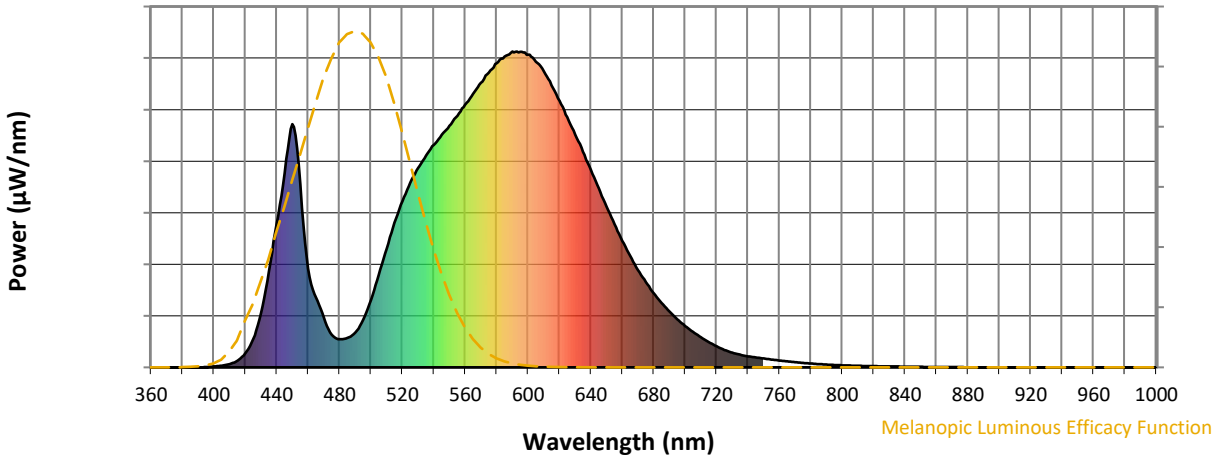


Scotopic Lumens: NR **S/P: 1.31**

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	110	NR	620	844	NR	750	28	NR	880	0	NR
365	0	NR	495	150	NR	625	792	NR	755	25	NR	885	0	NR
370	0	NR	500	214	NR	630	737	NR	760	22	NR	890	0	NR
375	0	NR	505	293	NR	635	683	NR	765	19	NR	895	0	NR
380	0	NR	510	376	NR	640	625	NR	770	16	NR	900	0	NR
385	0	NR	515	458	NR	645	566	NR	775	14	NR	905	0	NR
390	0	NR	520	526	NR	650	509	NR	780	12	NR	910	0	NR
395	1	NR	525	584	NR	655	453	NR	785	10	NR	915	0	NR
400	3	NR	530	631	NR	660	401	NR	790	9	NR	920	0	NR
405	5	NR	535	671	NR	665	353	NR	795	8	NR	925	0	NR
410	10	NR	540	704	NR	670	308	NR	800	7	NR	930	0	NR
415	21	NR	545	737	NR	675	269	NR	805	6	NR	935	0	NR
420	44	NR	550	766	NR	680	235	NR	810	5	NR	940	0	NR
425	90	NR	555	797	NR	685	204	NR	815	4	NR	945	0	NR
430	171	NR	560	832	NR	690	177	NR	820	4	NR	950	0	NR
435	305	NR	565	866	NR	695	152	NR	825	3	NR	955	0	NR
440	455	NR	570	901	NR	700	131	NR	830	3	NR	960	0	NR
445	615	NR	575	933	NR	705	112	NR	835	3	NR	965	0	NR
450	771	NR	580	963	NR	710	96	NR	840	2	NR	970	0	NR
455	579	NR	585	984	NR	715	80	NR	845	2	NR	975	0	NR
460	313	NR	590	1000	NR	720	67	NR	850	2	NR	980	0	NR
465	221	NR	595	999	NR	725	55	NR	855	1	NR	985	0	NR
470	156	NR	600	990	NR	730	46	NR	860	1	NR	990	0	NR
475	103	NR	605	968	NR	735	40	NR	865	1	NR	995	0	NR
480	89	NR	610	937	NR	740	35	NR	870	1	NR	1000	0	NR
485	93	NR	615	893	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.4**

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	110	NR	620	844	NR	750	28	NR	880	0	NR
365	0	NR	495	150	NR	625	792	NR	755	25	NR	885	0	NR
370	0	NR	500	214	NR	630	737	NR	760	22	NR	890	0	NR
375	0	NR	505	293	NR	635	683	NR	765	19	NR	895	0	NR
380	0	NR	510	376	NR	640	625	NR	770	16	NR	900	0	NR
385	0	NR	515	458	NR	645	566	NR	775	14	NR	905	0	NR
390	0	NR	520	526	NR	650	509	NR	780	12	NR	910	0	NR
395	1	NR	525	584	NR	655	453	NR	785	10	NR	915	0	NR
400	3	NR	530	631	NR	660	401	NR	790	9	NR	920	0	NR
405	5	NR	535	671	NR	665	353	NR	795	8	NR	925	0	NR
410	10	NR	540	704	NR	670	308	NR	800	7	NR	930	0	NR
415	21	NR	545	737	NR	675	269	NR	805	6	NR	935	0	NR
420	44	NR	550	766	NR	680	235	NR	810	5	NR	940	0	NR
425	90	NR	555	797	NR	685	204	NR	815	4	NR	945	0	NR
430	171	NR	560	832	NR	690	177	NR	820	4	NR	950	0	NR
435	305	NR	565	866	NR	695	152	NR	825	3	NR	955	0	NR
440	455	NR	570	901	NR	700	131	NR	830	3	NR	960	0	NR
445	615	NR	575	933	NR	705	112	NR	835	3	NR	965	0	NR
450	771	NR	580	963	NR	710	96	NR	840	2	NR	970	0	NR
455	579	NR	585	984	NR	715	80	NR	845	2	NR	975	0	NR
460	313	NR	590	1000	NR	720	67	NR	850	2	NR	980	0	NR
465	221	NR	595	999	NR	725	55	NR	855	1	NR	985	0	NR
470	156	NR	600	990	NR	730	46	NR	860	1	NR	990	0	NR
475	103	NR	605	968	NR	735	40	NR	865	1	NR	995	0	NR
480	89	NR	610	937	NR	740	35	NR	870	1	NR	1000	0	NR
485	93	NR	615	893	NR	745	31	NR	875	1	NR			

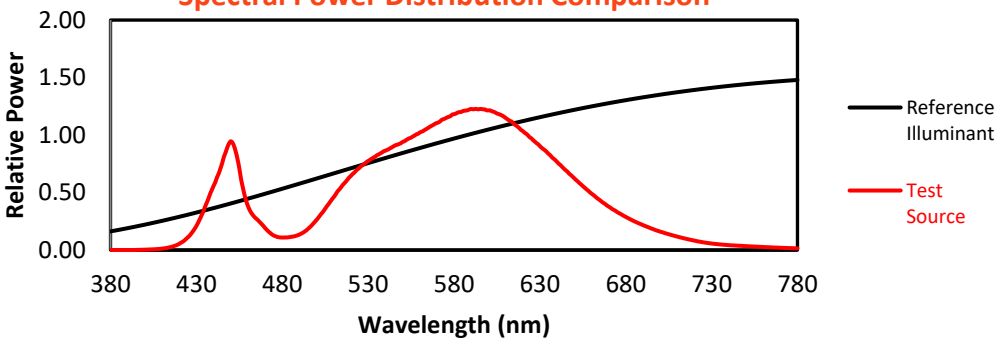
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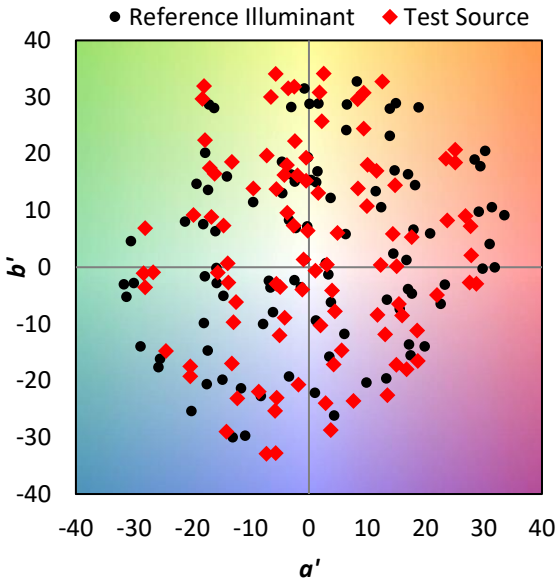
Summary

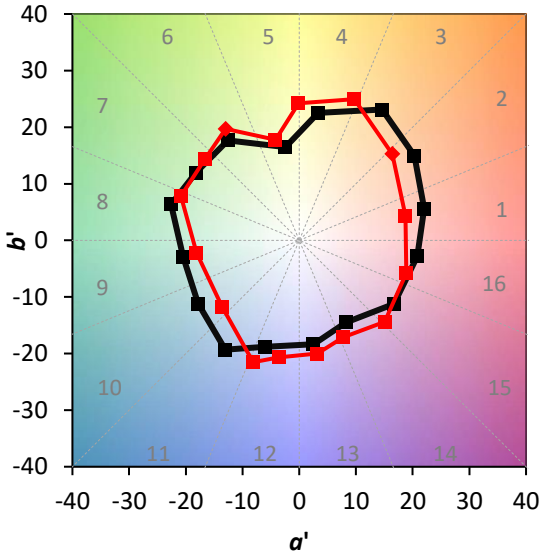
R_f = 75.8
R_g = 95.8
CIE R_a = 73.4
R_9 = -19.2

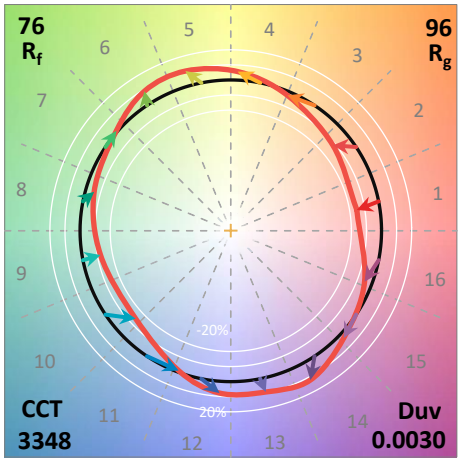
Spectral Power Distribution Comparison

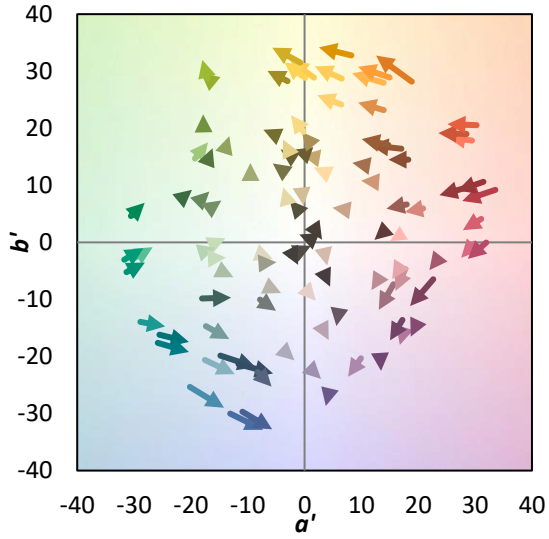


Color Vector Graphics







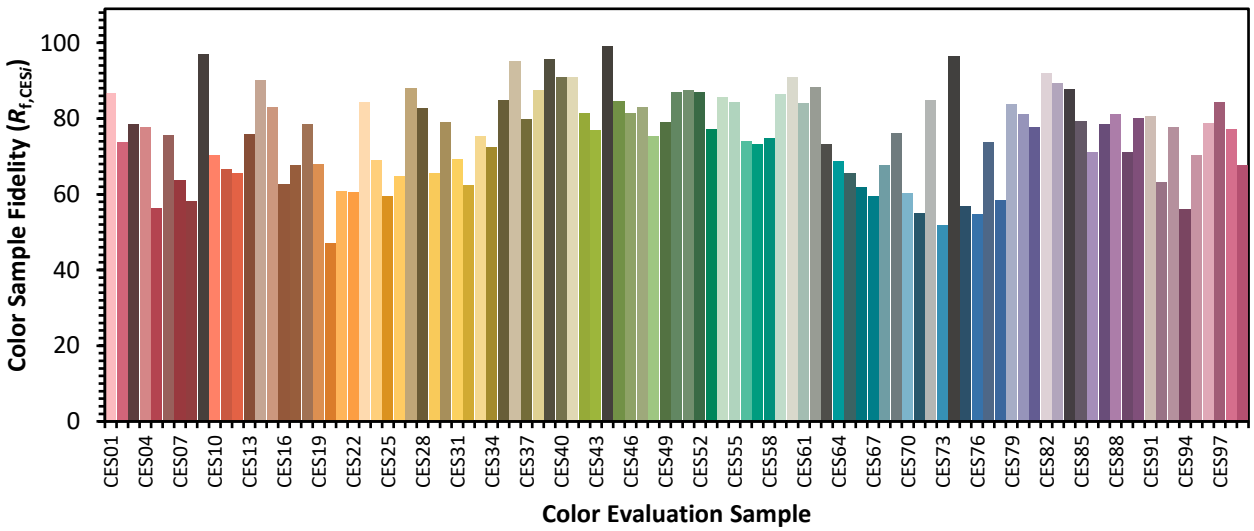


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Individual Sample Fidelity Index ($R_{f,i}$)

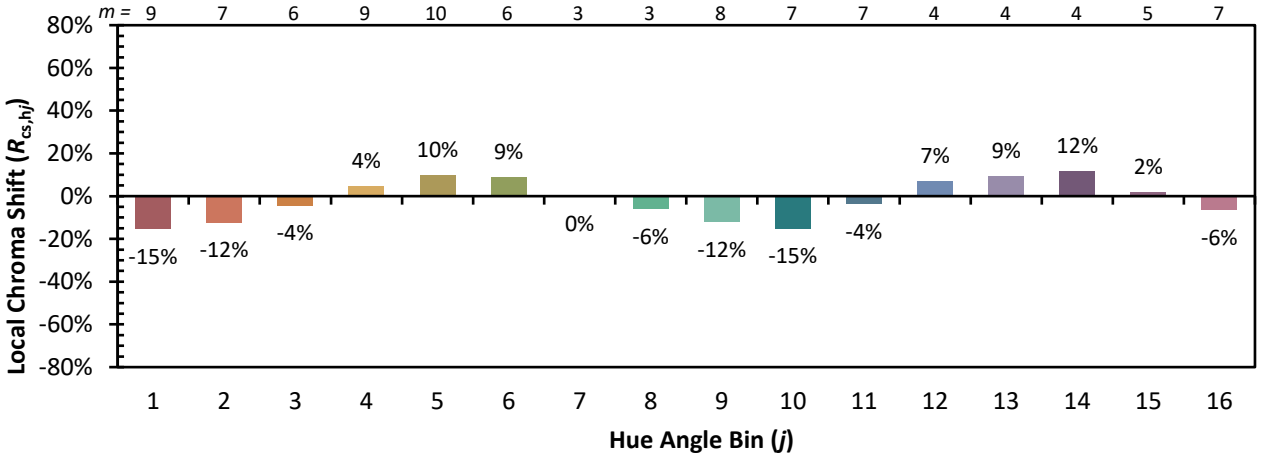
CES01 = 86	CES26 = 65	CES51 = 88	CES76 = 55
CES02 = 62	CES27 = 88	CES52 = 87	CES77 = 74
CES03 = 31	CES28 = 83	CES53 = 77	CES78 = 58
CES04 = 70	CES29 = 66	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 79	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 69	CES56 = 74	CES81 = 78
CES07 = 41	CES32 = 62	CES57 = 73	CES82 = 92
CES08 = 40	CES33 = 75	CES58 = 75	CES83 = 89
CES09 = 29	CES34 = 73	CES59 = 87	CES84 = 88
CES10 = 75	CES35 = 85	CES60 = 91	CES85 = 79
CES11 = 58	CES36 = 95	CES61 = 84	CES86 = 71
CES12 = 64	CES37 = 80	CES62 = 88	CES87 = 79
CES13 = 43	CES38 = 88	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 96	CES64 = 69	CES89 = 71
CES15 = 71	CES40 = 91	CES65 = 66	CES90 = 80
CES16 = 47	CES41 = 91	CES66 = 62	CES91 = 81
CES17 = 50	CES42 = 81	CES67 = 60	CES92 = 63
CES18 = 56	CES43 = 77	CES68 = 68	CES93 = 78
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 56
CES20 = 65	CES45 = 85	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 82	CES71 = 55	CES96 = 79
CES22 = 79	CES47 = 83	CES72 = 85	CES97 = 84
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 77
CES24 = 91	CES49 = 79	CES74 = 96	CES99 = 68
CES25 = 72	CES50 = 87	CES75 = 57	

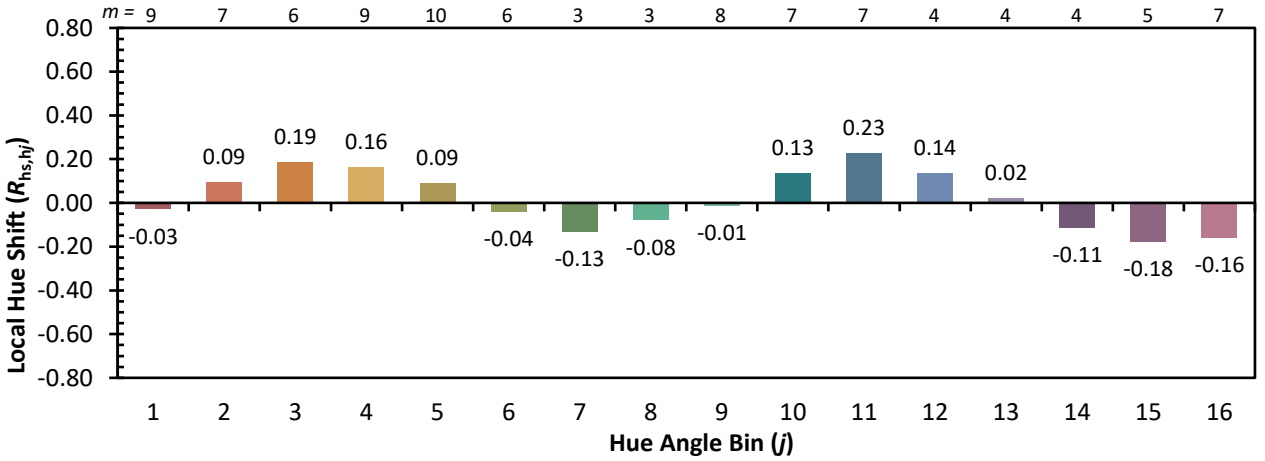


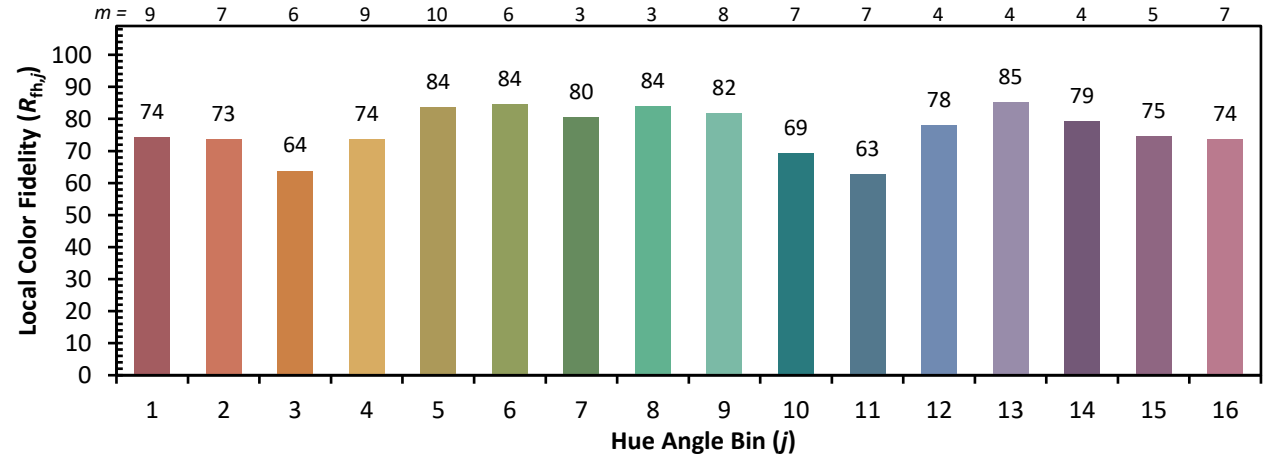
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Color Rendition by Hue-Angle Bin



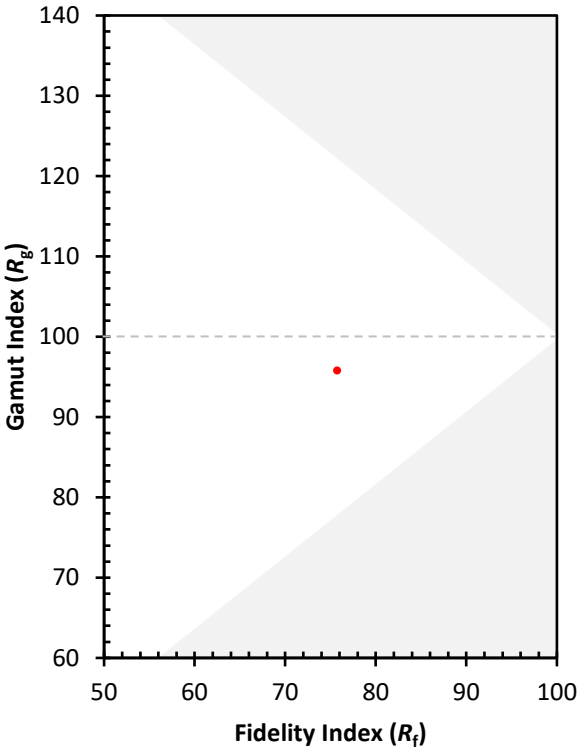


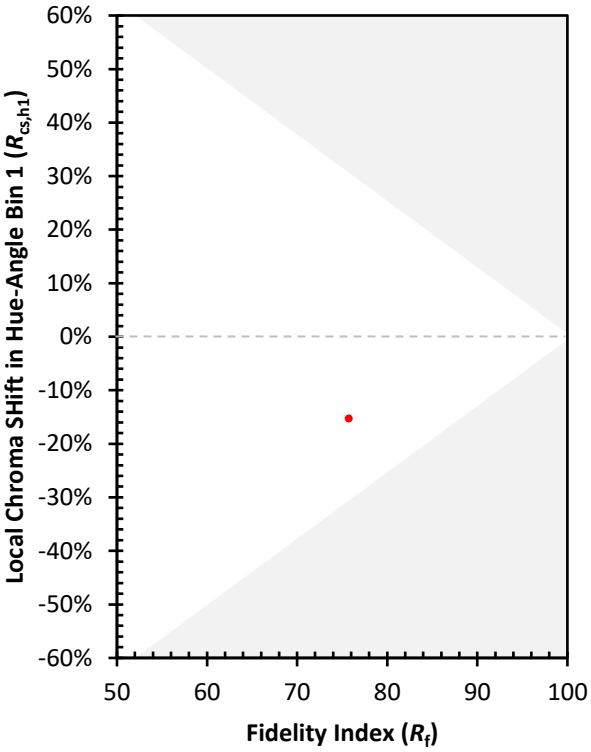


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Measure Comparisons





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