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: P823322

Luminaire Tested: **TTN-D1-735-U-DL**

Issue Date: 4/16/2024

Report Generated By 670246001

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:	P823322
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-11)
Test Lab:	INNOVATION CENTER
Issue Date:	4/16/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TTN-D1-735-U-DL
Description:	TOPTIER NANO LED PARKING GARAGE LUMINAIRE
	3500K, 70 CRI LEDS AND DRIVE LANE DISTRIBUTION
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3021 lumens
Efficiency:	N/A
Efficacy:	114.4 lumens/watt
Luminous Opening:	Circular (Dia: 0.71' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	26.4
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:	24 FT

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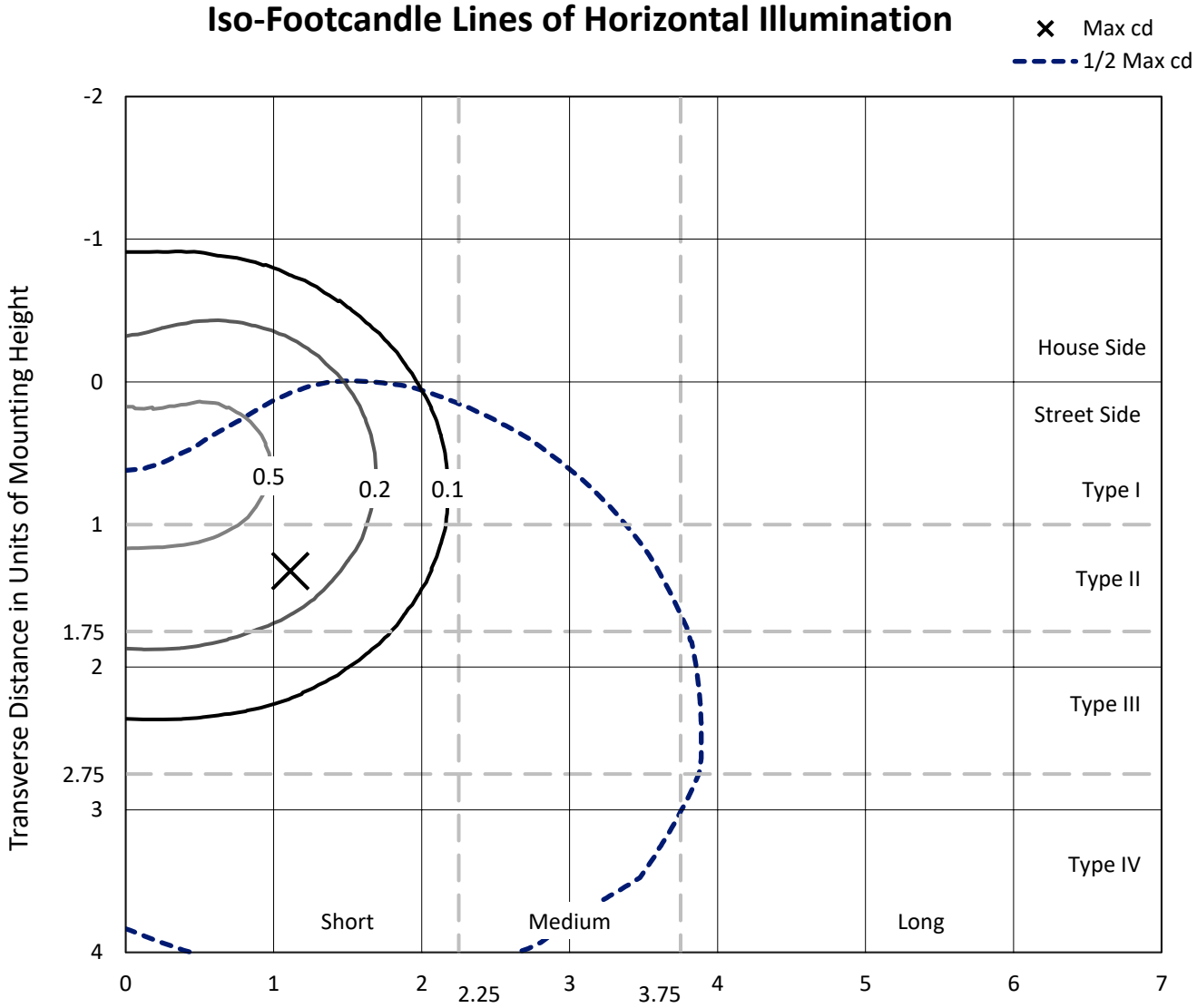
Scaled Data Report

REPORT NUMBER: P823322
CATALOG NUMBER: TTN-D1-735-U-DL

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type IV - Short - N/A

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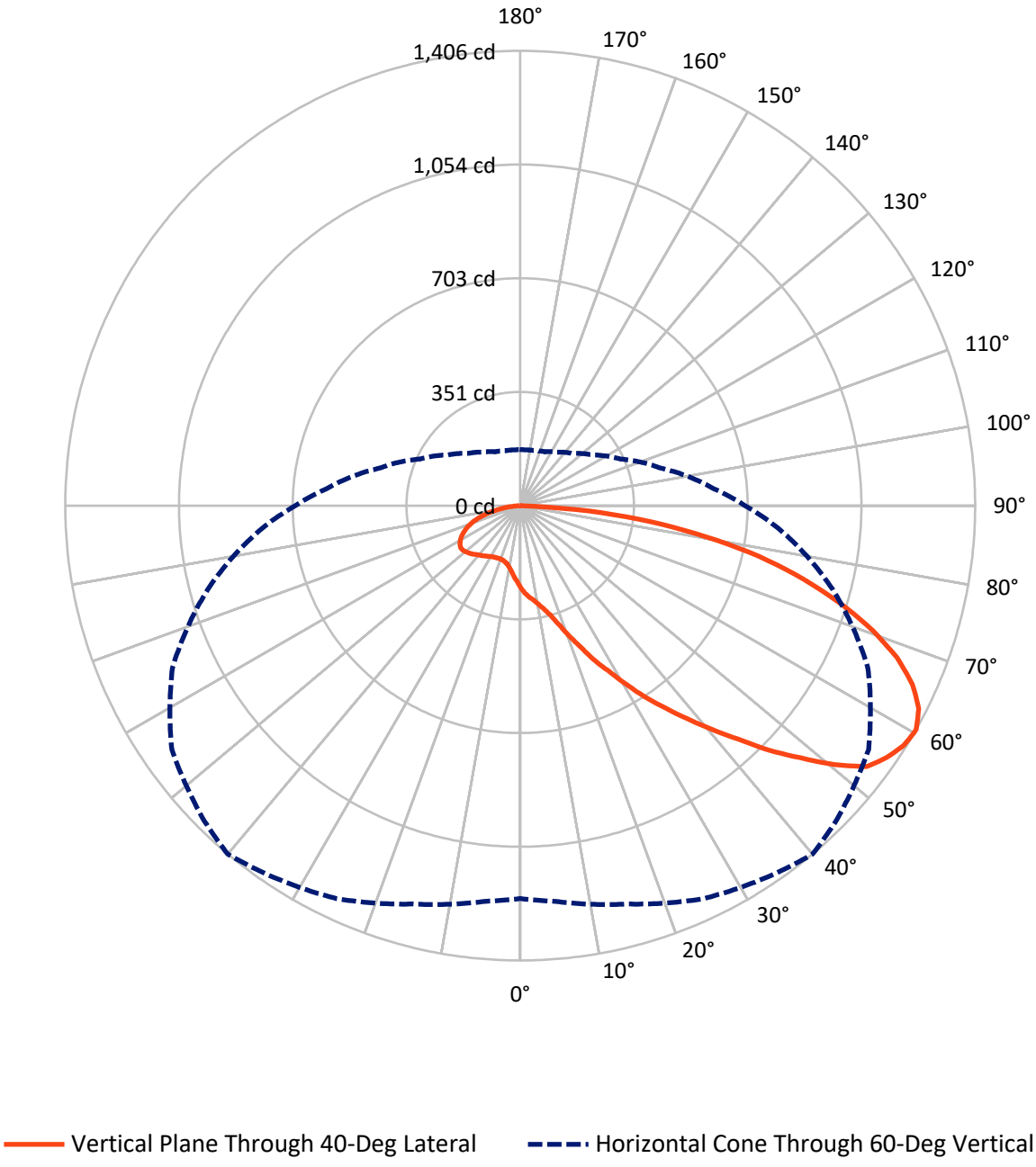
Luminous Intensity Polar Plot



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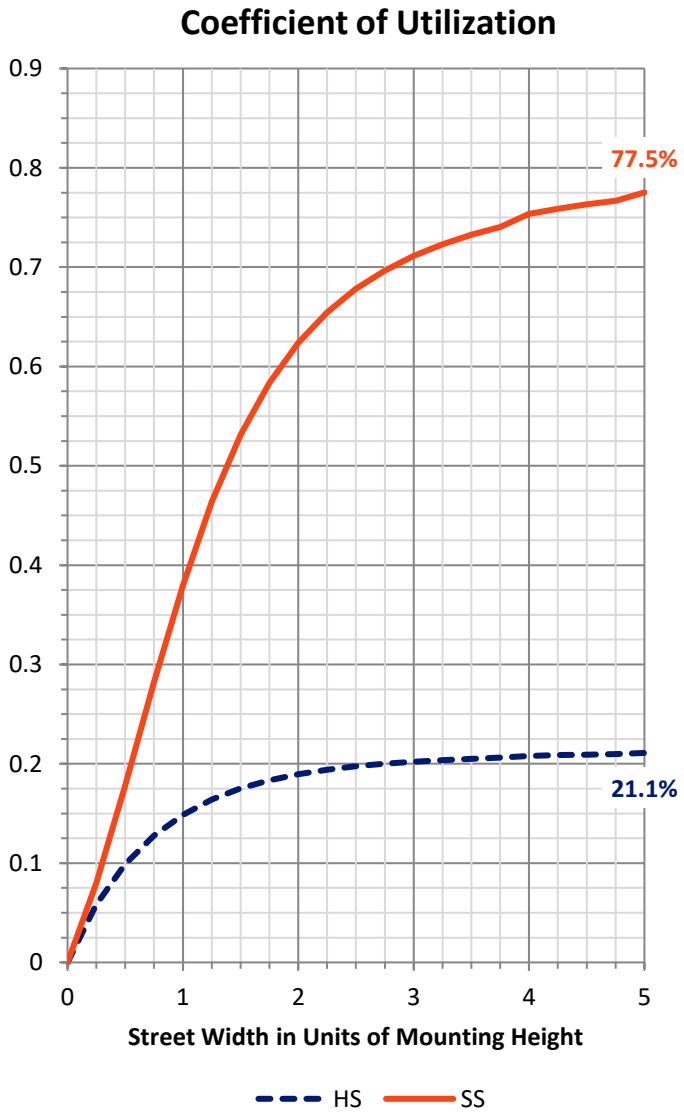
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	643.3	0.0	643.3
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	2377.7	0.0	2377.7
	% Fixture	78.7	0.0	78.7
Total	Lumens	3021.0	0.0	3021.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.8
10°-20°	76.6	2.5
20°-30°	161.8	5.4
30°-40°	295.7	9.8
40°-50°	480.4	15.9
50°-60°	667.8	22.1
60°-70°	692.3	22.9
70°-80°	496.0	16.4
80°-90°	126.5	4.2
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°	3021.0	100.0
0°-180°	3021.0	100.0



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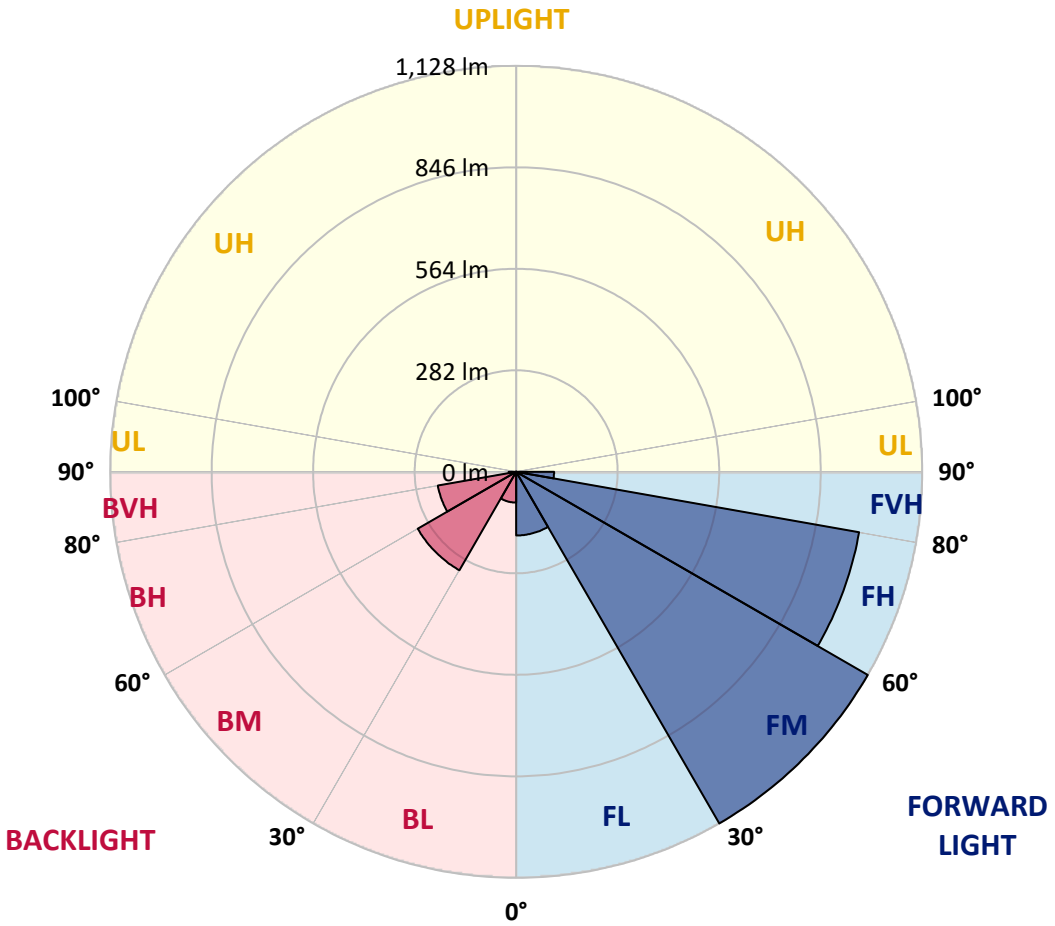
REPORT NUMBER: P823322
CATALOG NUMBER: TTN-D1-735-U-DL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	176.8	5.9			
FM	(30°-60°)	1128.0	37.3			
FH	(60°-80°)	967.5	32.0			G1/1800
FVH	(80°-90°)	105.4	3.5			G2/225
BL	(0°-30°)	85.6	2.8	B0/110		
BM	(30°-60°)	315.8	10.5	B1/1000		
BH	(60°-80°)	220.8	7.3	B1/500		G1/500
BVH	(80°-90°)	21.1	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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Scaled Data Report

REPORT NUMBER: P823322
CATALOG NUMBER: TTN-D1-735-U-DL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	254.4	254.4	254.4	254.4	254.4	*254.4*	254.4	254.4	254.4	254.4	254.4
2.5°	272.8	272.8	272.8	272.8	270.2	*270.2*	267.6	264.9	262.3	259.7	254.4
5°	296.4	296.4	293.8	291.2	285.9	*283.3*	280.7	275.4	270.2	264.9	257.1
7.5°	306.9	306.9	306.9	304.3	296.4	*293.8*	288.5	280.7	272.8	264.9	254.4
10°	325.3	325.3	322.6	320.0	312.1	*309.5*	304.3	293.8	280.7	267.6	254.4
12.5°	348.9	346.2	343.6	341.0	333.1	*327.9*	320.0	309.5	293.8	278.0	262.3
15°	377.7	372.5	372.5	367.2	359.4	*351.5*	346.2	330.5	314.8	293.8	272.8
17.5°	409.2	406.6	403.9	398.7	390.8	*385.6*	377.7	359.4	338.4	312.1	288.5
20°	448.5	443.3	445.9	438.0	430.2	*427.6*	414.4	393.5	367.2	338.4	309.5
22.5°	495.8	490.5	490.5	482.6	477.4	*472.1*	459.0	435.4	401.3	369.8	333.1
25°	548.2	543.0	543.0	537.7	532.5	*527.2*	511.5	485.3	445.9	406.6	364.6
27.5°	605.9	600.7	600.7	598.1	584.9	*577.1*	564.0	535.1	495.8	445.9	396.1
30°	666.3	661.0	666.3	661.0	653.1	*637.4*	621.7	590.2	545.6	490.5	430.2
32.5°	713.5	713.5	716.1	721.3	716.1	*703.0*	684.6	658.4	598.1	529.9	461.7
35°	768.6	768.6	773.8	781.7	779.0	*765.9*	747.6	718.7	655.8	574.4	495.8
37.5°	828.9	828.9	834.1	847.2	842.0	*834.1*	821.0	784.3	713.5	619.0	532.5
40°	894.5	891.8	897.1	915.4	918.1	*907.6*	891.8	855.1	773.8	676.7	571.8
42.5°	960.0	957.4	967.9	986.3	988.9	*986.3*	970.5	928.6	836.7	734.5	611.2
45°	1025.6	1025.6	1041.3	1070.2	1083.3	*1078.1*	1065.0	1012.5	915.4	794.8	663.6
47.5°	1093.8	1093.8	1114.8	1151.5	1167.3	*1164.6*	1159.4	1096.4	991.5	857.7	708.2
50°	1146.3	1146.3	1180.4	1222.3	1248.6	*1259.1*	1232.8	1175.1	1057.1	912.8	744.9
52.5°	1198.7	1198.7	1232.8	1298.4	1324.6	*1340.4*	1306.3	1245.9	1130.5	962.7	779.0
55°	1225.0	1230.2	1277.4	1340.4	1382.3	*1374.5*	1387.6	1306.3	1177.7	999.4	800.0
57.5°	1227.6	1235.5	1287.9	1353.5	1400.7	*1398.1*	1400.7	1327.3	1196.1	1007.2	802.7
60°	*1214.5*	*1227.6*	*1274.8*	*1340.4*	*1385.0*	*1405.9*	*1379.7*	*1314.1*	*1185.6*	*999.4*	*800.0*
62.5°	1183.0	1209.2	1259.1	1308.9	1374.5	*1382.3*	1361.4	1306.3	1156.8	991.5	786.9
65°	1112.2	1141.0	1211.8	1269.6	1322.0	*1332.5*	1308.9	1261.7	1127.9	954.8	744.9
67.5°	1041.3	1059.7	1120.0	1209.2	1245.9	*1256.4*	1248.6	1193.5	1078.1	881.3	695.1
70°	960.0	983.6	1030.9	1122.7	1159.4	*1156.8*	1180.4	1117.4	1002.0	818.4	642.6
72.5°	849.9	884.0	931.2	1007.2	1051.8	*1036.1*	1072.8	1020.4	902.3	739.7	571.8
75°	721.3	750.2	810.5	870.8	920.7	*902.3*	931.2	894.5	786.9	645.3	490.5
77.5°	577.1	611.2	666.3	721.3	755.4	*755.4*	768.6	737.1	653.1	529.9	401.3
80°	427.6	459.0	508.9	548.2	579.7	*582.3*	595.4	579.7	503.6	411.8	306.9
82.5°	283.3	299.0	343.6	375.1	406.6	*403.9*	424.9	414.4	351.5	283.3	204.6
85°	120.7	131.2	167.9	194.1	223.0	*212.5*	241.3	238.7	188.9	136.4	91.8
87.5°	5.2	7.9	7.9	5.2	7.9	*2.6*	7.9	10.5	7.9	5.2	5.2
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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Scaled Data Report

REPORT NUMBER: P823322
CATALOG NUMBER: TTN-D1-735-U-DL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	254.4	254.4	254.4	254.4	254.4	254.4	254.4	254.4	254.4	254.4	254.4
2.5°	254.4	251.8	246.6	243.9	241.3	236.1	236.1	233.5	233.5	233.5	230.8
5°	254.4	249.2	243.9	236.1	230.8	225.6	220.3	215.1	212.5	212.5	209.8
7.5°	249.2	243.9	236.1	228.2	220.3	209.8	204.6	194.1	191.5	188.9	188.9
10°	249.2	243.9	230.8	220.3	209.8	199.4	191.5	181.0	173.1	170.5	170.5
12.5°	251.8	243.9	230.8	217.7	204.6	191.5	181.0	170.5	162.6	157.4	157.4
15°	262.3	251.8	236.1	217.7	202.0	186.2	175.7	162.6	154.8	149.5	149.5
17.5°	275.4	264.9	241.3	220.3	202.0	183.6	170.5	157.4	149.5	144.3	141.6
20°	293.8	278.0	251.8	223.0	202.0	183.6	167.9	154.8	144.3	139.0	139.0
22.5°	314.8	296.4	262.3	228.2	204.6	183.6	167.9	152.1	141.6	136.4	136.4
25°	341.0	317.4	278.0	238.7	209.8	186.2	167.9	152.1	141.6	136.4	136.4
27.5°	369.8	343.6	293.8	249.2	215.1	188.9	167.9	152.1	141.6	136.4	136.4
30°	396.1	367.2	309.5	259.7	223.0	191.5	170.5	154.8	144.3	139.0	136.4
32.5°	424.9	388.2	325.3	270.2	228.2	196.7	173.1	157.4	144.3	139.0	139.0
35°	453.8	414.4	341.0	283.3	236.1	202.0	175.7	160.0	146.9	141.6	141.6
37.5°	485.3	443.3	359.4	293.8	243.9	207.2	181.0	162.6	149.5	144.3	144.3
40°	522.0	472.1	377.7	306.9	251.8	212.5	183.6	167.9	154.8	149.5	149.5
42.5°	556.1	498.4	396.1	317.4	259.7	217.7	188.9	170.5	160.0	154.8	154.8
45°	590.2	529.9	414.4	330.5	267.6	225.6	194.1	178.4	165.3	160.0	160.0
47.5°	629.5	558.7	435.4	341.0	275.4	230.8	199.4	183.6	170.5	167.9	165.3
50°	661.0	579.7	448.5	351.5	280.7	236.1	204.6	186.2	175.7	170.5	170.5
52.5°	689.9	600.7	459.0	356.7	283.3	238.7	209.8	191.5	181.0	175.7	175.7
55°	705.6	608.5	466.9	356.7	285.9	241.3	209.8	191.5	181.0	178.4	175.7
57.5°	705.6	608.5	461.7	351.5	280.7	236.1	207.2	188.9	181.0	175.7	175.7
60°	*695.1*	*600.7*	*448.5*	*341.0*	*272.8*	*228.2*	*202.0*	*183.6*	*175.7*	*173.1*	*173.1*
62.5°	679.4	587.6	438.0	327.9	262.3	217.7	194.1	175.7	170.5	170.5	167.9
65°	637.4	548.2	414.4	309.5	246.6	204.6	183.6	167.9	162.6	160.0	157.4
67.5°	592.8	511.5	377.7	288.5	225.6	191.5	170.5	157.4	149.5	149.5	146.9
70°	548.2	472.1	343.6	259.7	202.0	175.7	154.8	141.6	136.4	136.4	136.4
72.5°	487.9	422.3	304.3	228.2	178.4	154.8	139.0	125.9	123.3	123.3	120.7
75°	417.1	359.4	257.1	194.1	149.5	131.2	118.0	104.9	104.9	104.9	104.9
77.5°	341.0	291.2	204.6	154.8	118.0	104.9	97.1	86.6	86.6	86.6	86.6
80°	257.1	215.1	149.5	112.8	86.6	76.1	70.8	65.6	68.2	68.2	65.6
82.5°	167.9	141.6	94.4	70.8	55.1	49.8	49.8	44.6	47.2	47.2	47.2
85°	73.4	63.0	39.3	31.5	26.2	26.2	26.2	23.6	26.2	26.2	26.2
87.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	0.0	2.6	5.2	2.6
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
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Peachtree City, GA 30269

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2411-284-1

Test Date: 11/15/2024

Luminaire Tested: TTN-D0-735-U-WQ

Data in this report applies to TT and TTN families of products

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

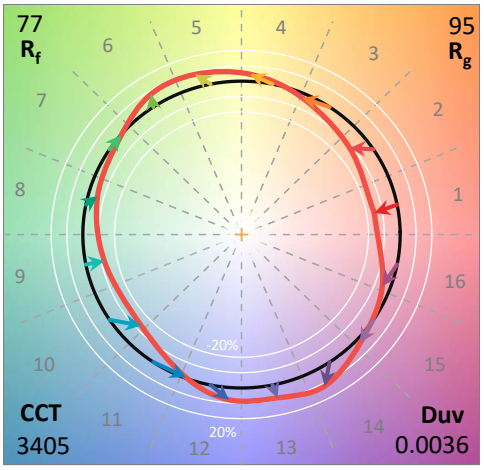
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2411-284-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	11/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**TTN-D0-735-U-WQ**
Description:	TOPTIER NANO LED PARKING GARAGE LUMINAIRE. 3500K, 70 CRI LEDS AND WIDE DISTRIBUTION

Spectral Parameters

CCT (K):	3405
CIE u':	0.2365
CIE v':	0.5180
Duv:	0.0036
CIE x:	0.4148
CIE y:	0.4038
CIE z:	0.1814
Peak Wavelength (nm):	596
Dominant Wavelength (nm):	579
Purity:	45.70672
Rf:	76.6
Rg:	95.4

CRI (Ra):	73.9
R1:	71.3
R2:	80.3
R3:	87.8
R4:	73.2
R5:	69.8
R6:	71.8
R7:	82.8
R8:	54.1
R9:	-18.0
R10:	53.1
R11:	68.6
R12:	42.6
R13:	72.5
R14:	92.7
R15:	64.3



Test Conditions

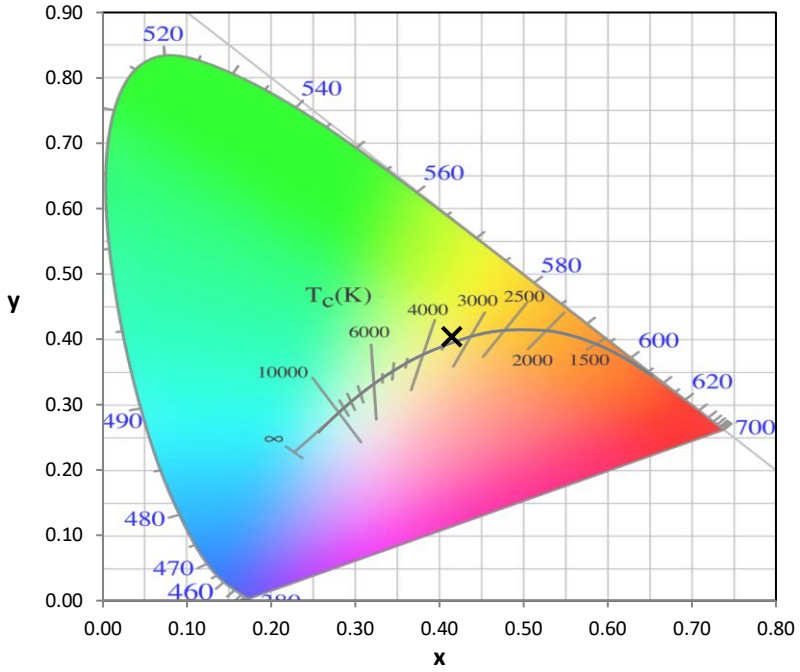
Stabilization Time:	38M
Operation Time:	1H 38M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2411-284-1

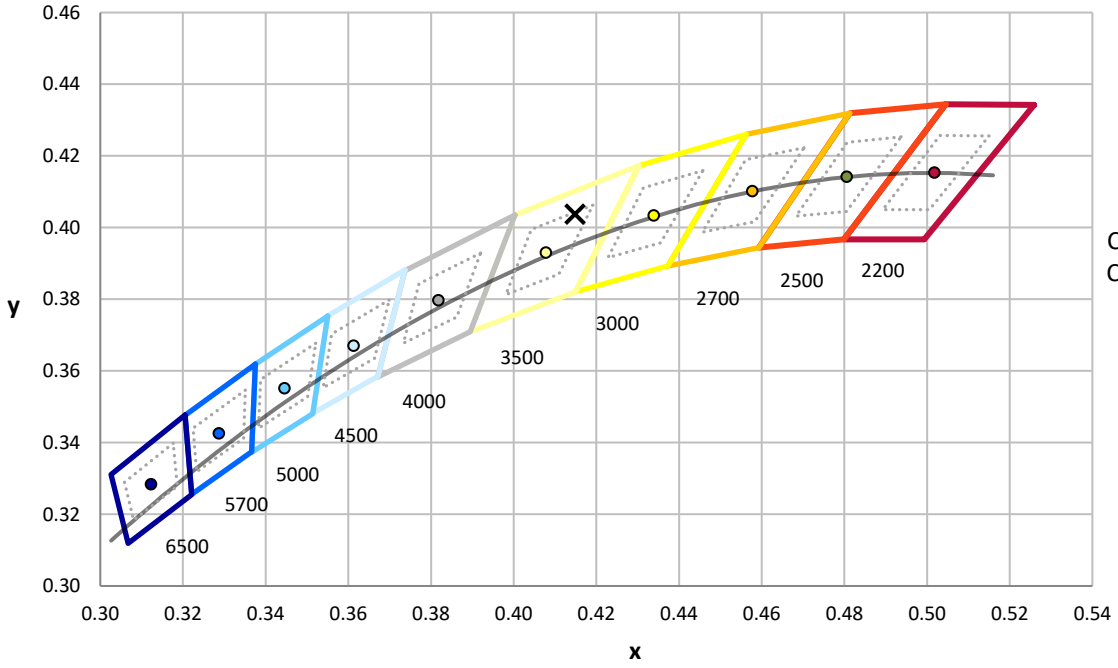
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2411-284-1

CIE 1931 Chromaticity Diagram



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

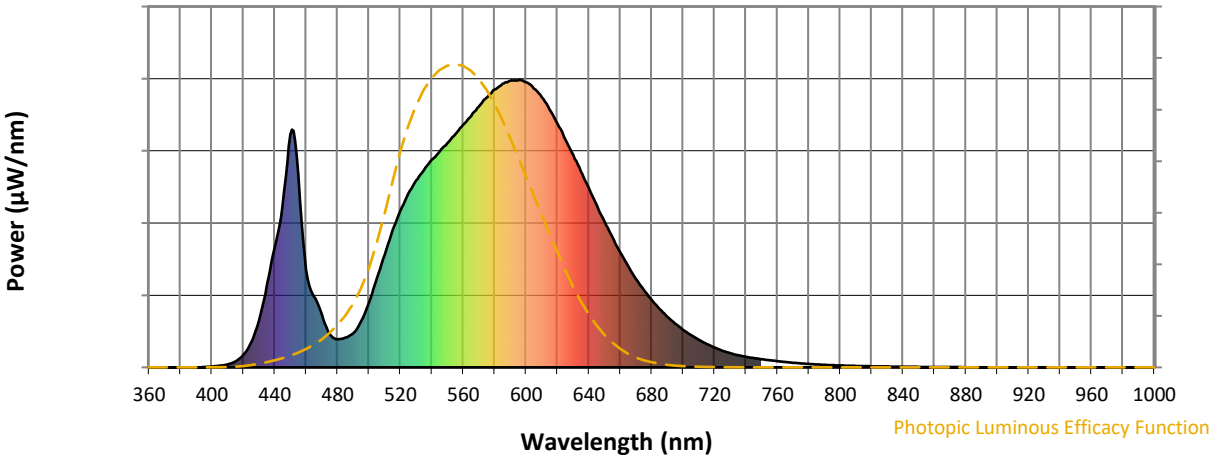


CCT = 3405K
CIE x = 0.4148
CIE y = 0.4038
Duv = 0.0036

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2411-284-1

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	119	NR	620	846	NR	750	28	NR	880	1	NR
365	0	NR	495	160	NR	625	793	NR	755	25	NR	885	0	NR
370	0	NR	500	225	NR	630	739	NR	760	22	NR	890	0	NR
375	0	NR	505	308	NR	635	681	NR	765	19	NR	895	0	NR
380	0	NR	510	392	NR	640	623	NR	770	16	NR	900	0	NR
385	0	NR	515	474	NR	645	563	NR	775	14	NR	905	0	NR
390	0	NR	520	545	NR	650	506	NR	780	12	NR	910	0	NR
395	1	NR	525	603	NR	655	451	NR	785	10	NR	915	0	NR
400	3	NR	530	649	NR	660	399	NR	790	9	NR	920	0	NR
405	5	NR	535	687	NR	665	352	NR	795	8	NR	925	0	NR
410	11	NR	540	721	NR	670	307	NR	800	6	NR	930	0	NR
415	21	NR	545	751	NR	675	268	NR	805	6	NR	935	0	NR
420	43	NR	550	779	NR	680	234	NR	810	5	NR	940	0	NR
425	88	NR	555	811	NR	685	203	NR	815	4	NR	945	0	NR
430	163	NR	560	843	NR	690	176	NR	820	4	NR	950	0	NR
435	288	NR	565	873	NR	695	152	NR	825	3	NR	955	0	NR
440	416	NR	570	907	NR	700	131	NR	830	3	NR	960	0	NR
445	566	NR	575	938	NR	705	112	NR	835	3	NR	965	0	NR
450	810	NR	580	965	NR	710	96	NR	840	2	NR	970	0	NR
455	669	NR	585	986	NR	715	81	NR	845	2	NR	975	0	NR
460	338	NR	590	997	NR	720	69	NR	850	2	NR	980	0	NR
465	246	NR	595	997	NR	725	58	NR	855	1	NR	985	0	NR
470	182	NR	600	991	NR	730	49	NR	860	1	NR	990	0	NR
475	115	NR	605	968	NR	735	42	NR	865	1	NR	995	0	NR
480	97	NR	610	939	NR	740	37	NR	870	1	NR	1000	0	NR
485	103	NR	615	896	NR	745	32	NR	875	1	NR			

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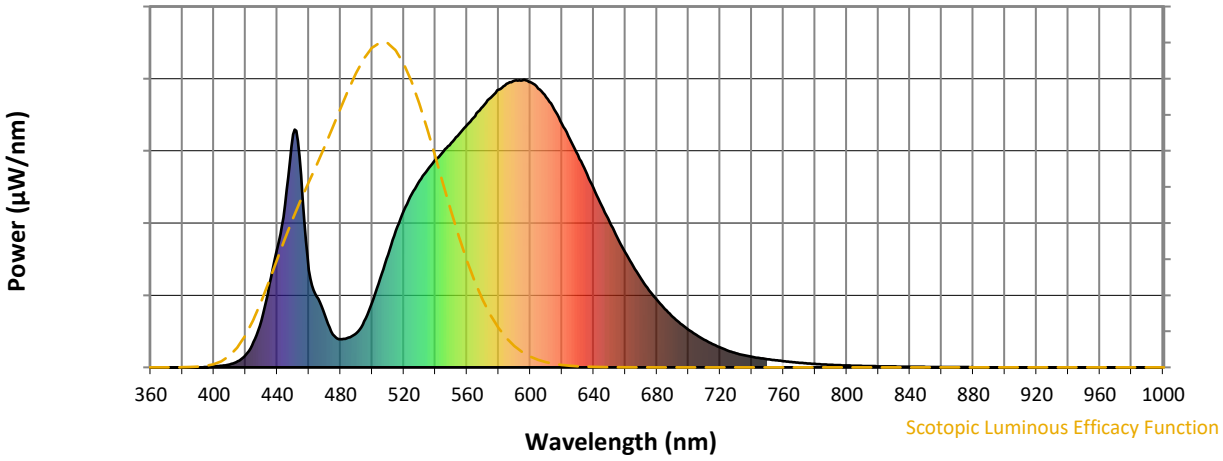
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.33**

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	119	NR	620	846	NR	750	28	NR	880	1	NR
365	0	NR	495	160	NR	625	793	NR	755	25	NR	885	0	NR
370	0	NR	500	225	NR	630	739	NR	760	22	NR	890	0	NR
375	0	NR	505	308	NR	635	681	NR	765	19	NR	895	0	NR
380	0	NR	510	392	NR	640	623	NR	770	16	NR	900	0	NR
385	0	NR	515	474	NR	645	563	NR	775	14	NR	905	0	NR
390	0	NR	520	545	NR	650	506	NR	780	12	NR	910	0	NR
395	1	NR	525	603	NR	655	451	NR	785	10	NR	915	0	NR
400	3	NR	530	649	NR	660	399	NR	790	9	NR	920	0	NR
405	5	NR	535	687	NR	665	352	NR	795	8	NR	925	0	NR
410	11	NR	540	721	NR	670	307	NR	800	6	NR	930	0	NR
415	21	NR	545	751	NR	675	268	NR	805	6	NR	935	0	NR
420	43	NR	550	779	NR	680	234	NR	810	5	NR	940	0	NR
425	88	NR	555	811	NR	685	203	NR	815	4	NR	945	0	NR
430	163	NR	560	843	NR	690	176	NR	820	4	NR	950	0	NR
435	288	NR	565	873	NR	695	152	NR	825	3	NR	955	0	NR
440	416	NR	570	907	NR	700	131	NR	830	3	NR	960	0	NR
445	566	NR	575	938	NR	705	112	NR	835	3	NR	965	0	NR
450	810	NR	580	965	NR	710	96	NR	840	2	NR	970	0	NR
455	669	NR	585	986	NR	715	81	NR	845	2	NR	975	0	NR
460	338	NR	590	997	NR	720	69	NR	850	2	NR	980	0	NR
465	246	NR	595	997	NR	725	58	NR	855	1	NR	985	0	NR
470	182	NR	600	991	NR	730	49	NR	860	1	NR	990	0	NR
475	115	NR	605	968	NR	735	42	NR	865	1	NR	995	0	NR
480	97	NR	610	939	NR	740	37	NR	870	1	NR	1000	0	NR
485	103	NR	615	896	NR	745	32	NR	875	1	NR			

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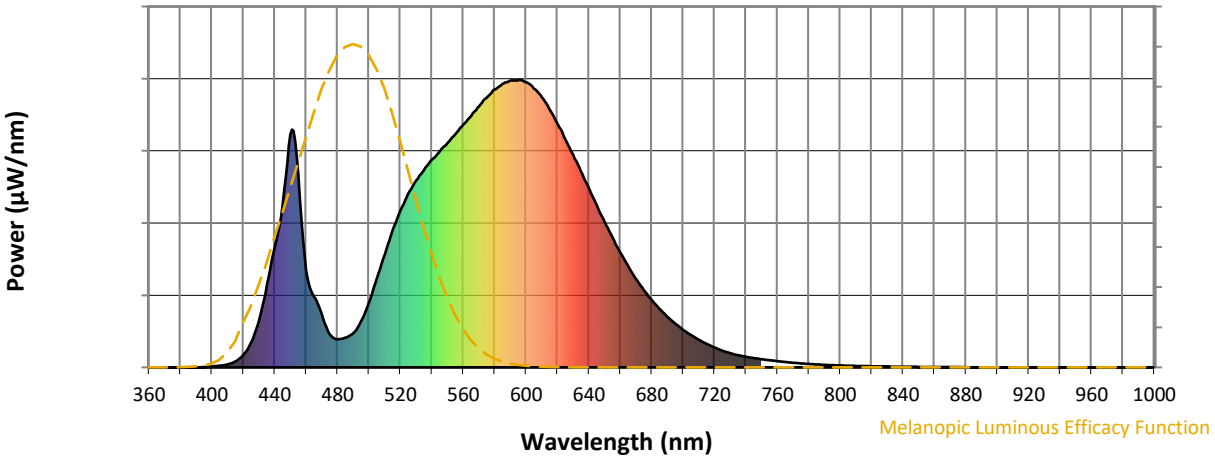
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	119	NR	620	846	NR	750	28	NR	880	1	NR
365	0	NR	495	160	NR	625	793	NR	755	25	NR	885	0	NR
370	0	NR	500	225	NR	630	739	NR	760	22	NR	890	0	NR
375	0	NR	505	308	NR	635	681	NR	765	19	NR	895	0	NR
380	0	NR	510	392	NR	640	623	NR	770	16	NR	900	0	NR
385	0	NR	515	474	NR	645	563	NR	775	14	NR	905	0	NR
390	0	NR	520	545	NR	650	506	NR	780	12	NR	910	0	NR
395	1	NR	525	603	NR	655	451	NR	785	10	NR	915	0	NR
400	3	NR	530	649	NR	660	399	NR	790	9	NR	920	0	NR
405	5	NR	535	687	NR	665	352	NR	795	8	NR	925	0	NR
410	11	NR	540	721	NR	670	307	NR	800	6	NR	930	0	NR
415	21	NR	545	751	NR	675	268	NR	805	6	NR	935	0	NR
420	43	NR	550	779	NR	680	234	NR	810	5	NR	940	0	NR
425	88	NR	555	811	NR	685	203	NR	815	4	NR	945	0	NR
430	163	NR	560	843	NR	690	176	NR	820	4	NR	950	0	NR
435	288	NR	565	873	NR	695	152	NR	825	3	NR	955	0	NR
440	416	NR	570	907	NR	700	131	NR	830	3	NR	960	0	NR
445	566	NR	575	938	NR	705	112	NR	835	3	NR	965	0	NR
450	810	NR	580	965	NR	710	96	NR	840	2	NR	970	0	NR
455	669	NR	585	986	NR	715	81	NR	845	2	NR	975	0	NR
460	338	NR	590	997	NR	720	69	NR	850	2	NR	980	0	NR
465	246	NR	595	997	NR	725	58	NR	855	1	NR	985	0	NR
470	182	NR	600	991	NR	730	49	NR	860	1	NR	990	0	NR
475	115	NR	605	968	NR	735	42	NR	865	1	NR	995	0	NR
480	97	NR	610	939	NR	740	37	NR	870	1	NR	1000	0	NR
485	103	NR	615	896	NR	745	32	NR	875	1	NR			

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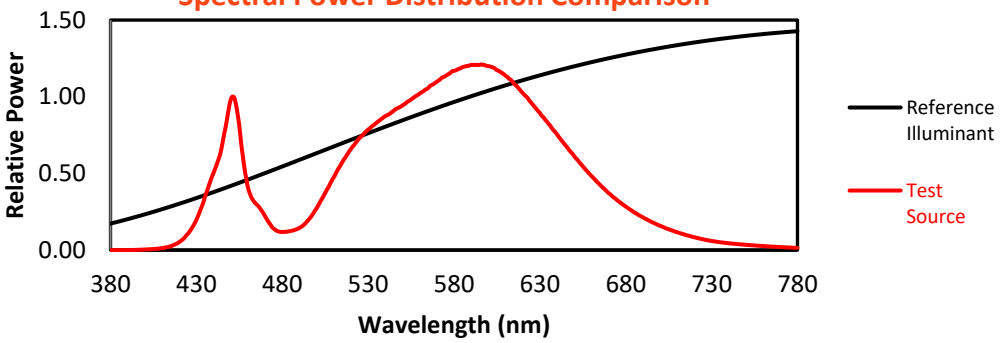
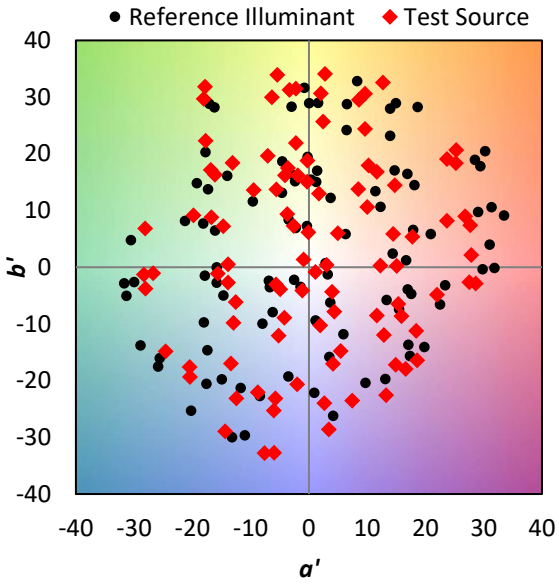
Summary

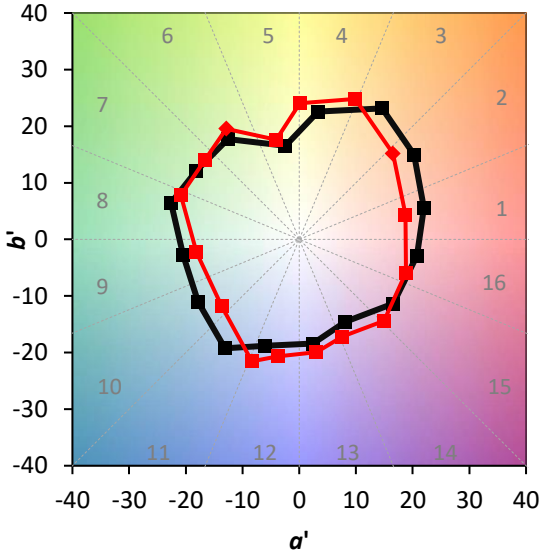
R_f = 76.6
R_g = 95.4
CIE R_a = 73.9
R_9 = -18.0

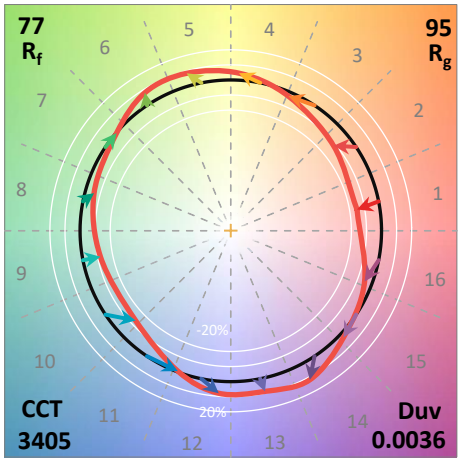
Spectral Power Distribution Comparison

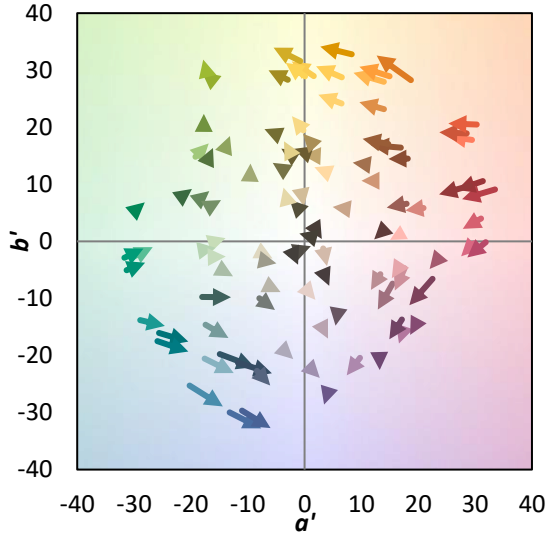


Color Vector Graphics









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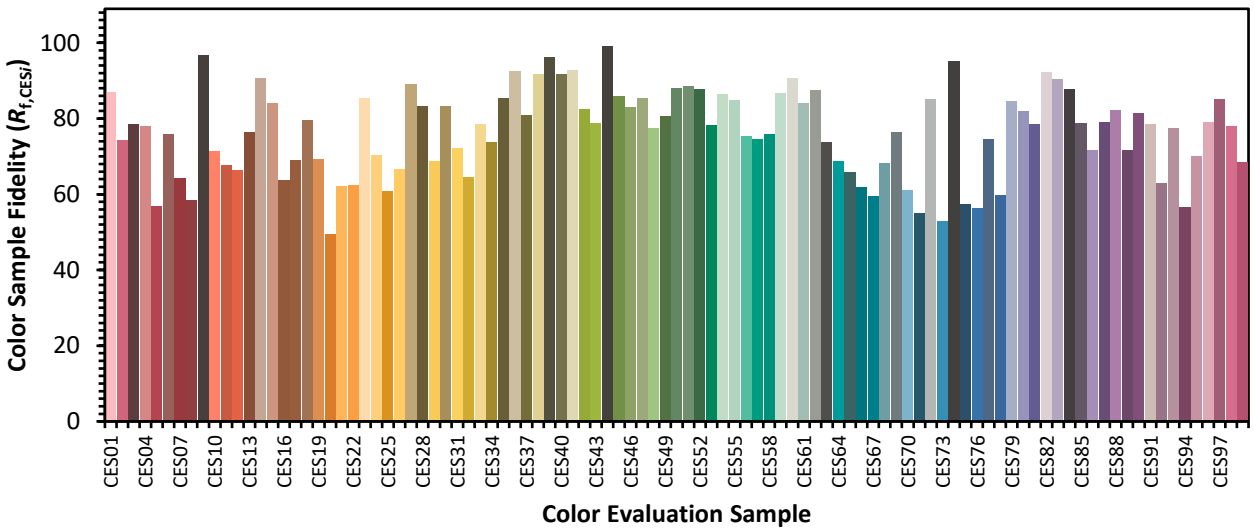
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 67	CES51 = 88	CES76 = 56
CES02 = 62	CES27 = 89	CES52 = 88	CES77 = 75
CES03 = 31	CES28 = 83	CES53 = 78	CES78 = 60
CES04 = 70	CES29 = 69	CES54 = 86	CES79 = 85
CES05 = 48	CES30 = 83	CES55 = 85	CES80 = 82
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 78
CES07 = 41	CES32 = 65	CES57 = 75	CES82 = 92
CES08 = 40	CES33 = 78	CES58 = 76	CES83 = 90
CES09 = 29	CES34 = 74	CES59 = 87	CES84 = 88
CES10 = 75	CES35 = 86	CES60 = 91	CES85 = 79
CES11 = 58	CES36 = 93	CES61 = 84	CES86 = 72
CES12 = 64	CES37 = 81	CES62 = 88	CES87 = 79
CES13 = 43	CES38 = 92	CES63 = 74	CES88 = 82
CES14 = 74	CES39 = 96	CES64 = 69	CES89 = 72
CES15 = 71	CES40 = 92	CES65 = 66	CES90 = 82
CES16 = 47	CES41 = 93	CES66 = 62	CES91 = 79
CES17 = 50	CES42 = 83	CES67 = 60	CES92 = 63
CES18 = 56	CES43 = 79	CES68 = 68	CES93 = 77
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 56
CES20 = 65	CES45 = 86	CES70 = 61	CES95 = 70
CES21 = 86	CES46 = 83	CES71 = 55	CES96 = 79
CES22 = 79	CES47 = 85	CES72 = 85	CES97 = 85
CES23 = 92	CES48 = 78	CES73 = 53	CES98 = 78
CES24 = 91	CES49 = 81	CES74 = 95	CES99 = 68
CES25 = 72	CES50 = 88	CES75 = 57	



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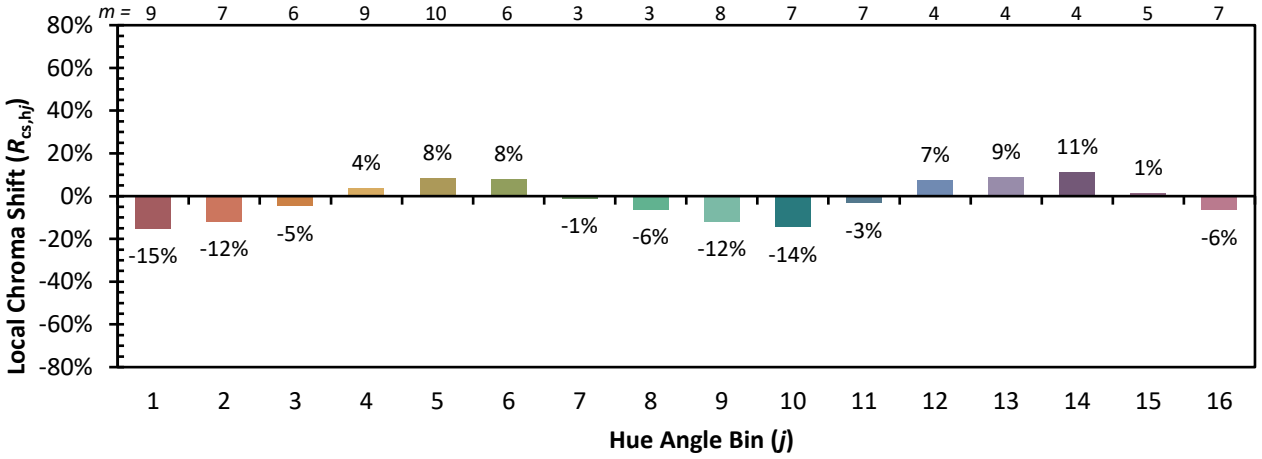
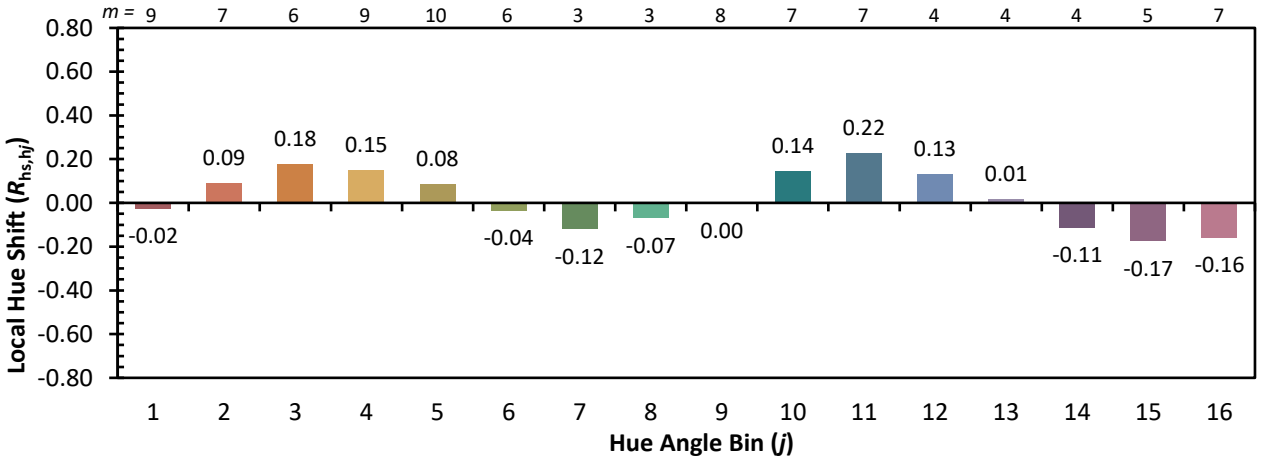
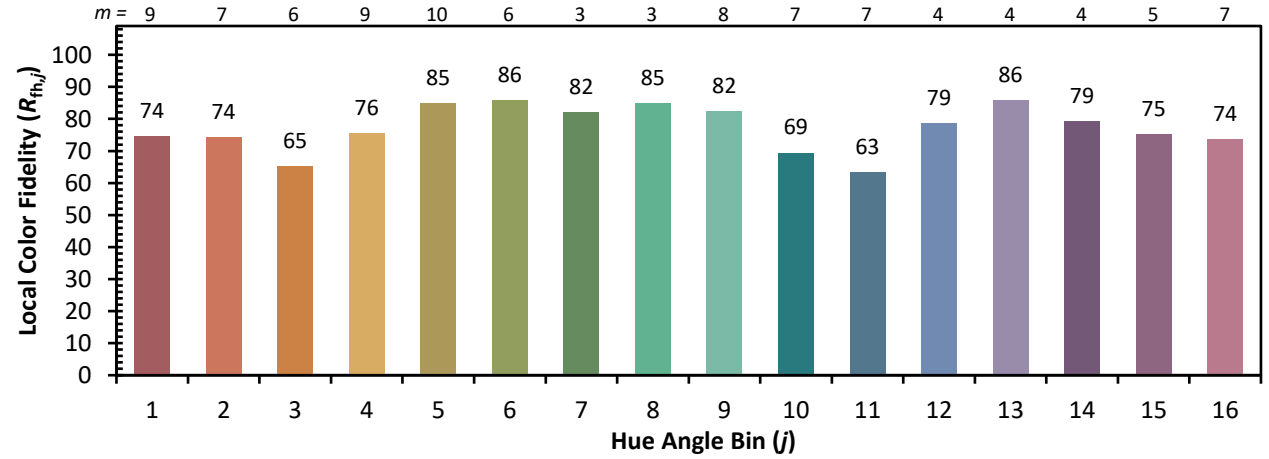
Color Rendition by Hue-Angle Bin







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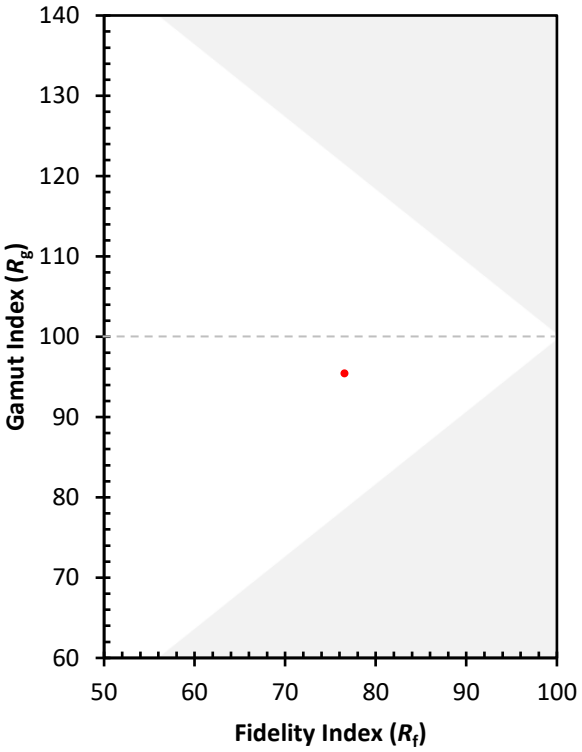
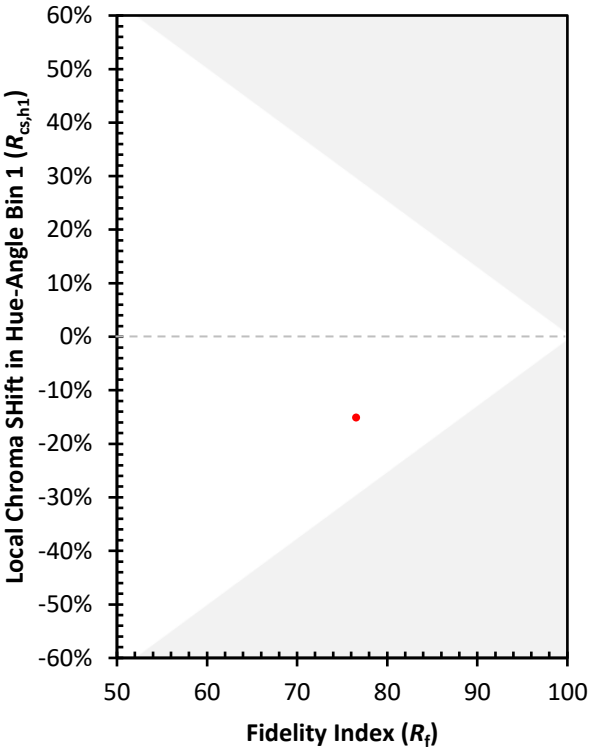
Measure Comparisons





(END OF REPORT)