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: P832561

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

Issue Date: 5/14/2024

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:	P832561
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-15)
Test Lab:	INNOVATION CENTER
Issue Date:	5/14/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TTN-D1-735-U-DL-CG
Description:	TOPTIER NANO LED PARKING GARAGE LUMINAIRE
	3500K, 70 CRI LEDS AND DRIVE LANE DISTRIBUTION WITH CLEAR GLASS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2995 lumens
Efficiency:	N/A
Efficacy:	113.4 lumens/watt
Luminous Opening:	Circular (Dia: 0.71' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

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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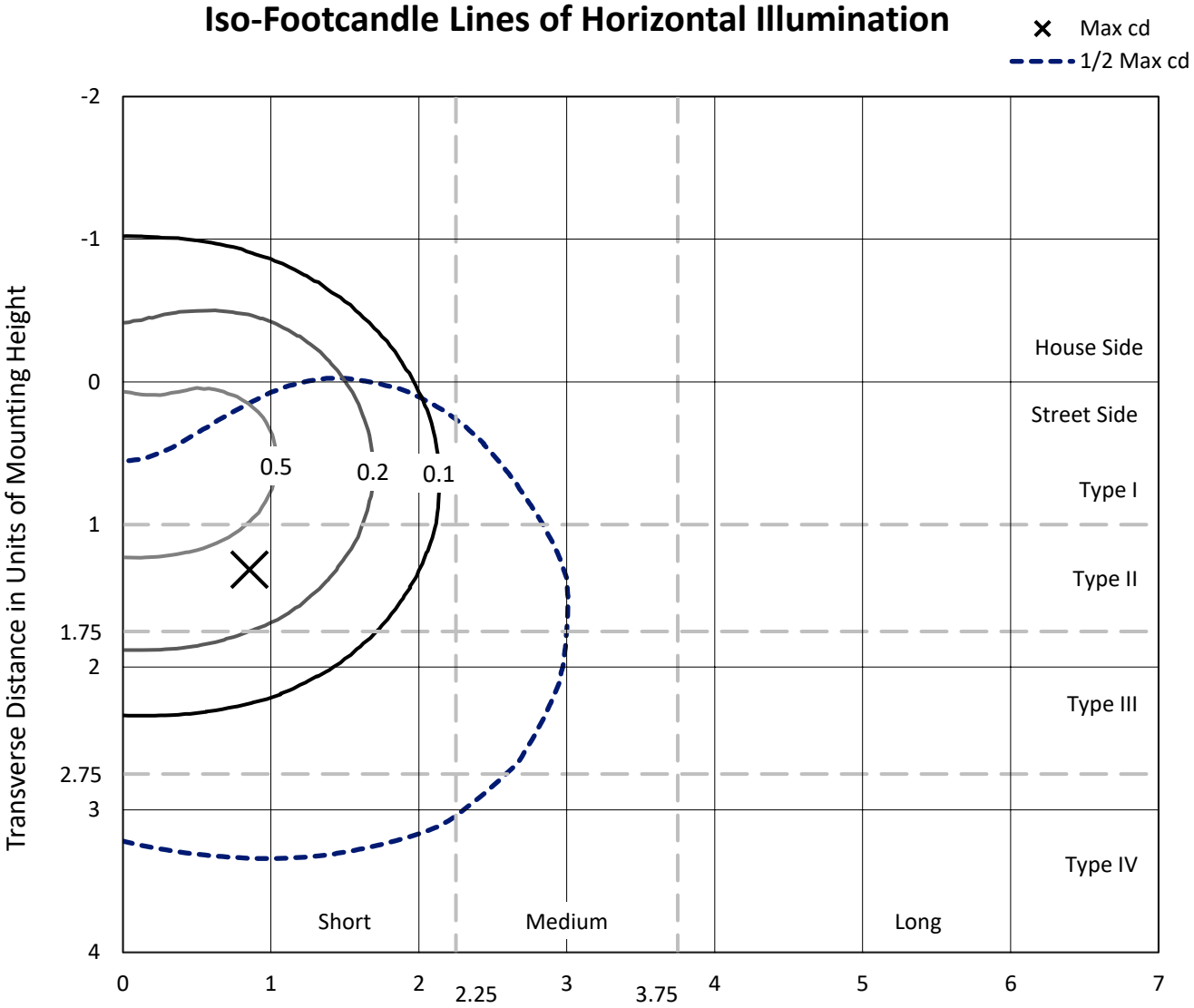
Scaled Data Report

REPORT NUMBER: P832561
CATALOG NUMBER: TTN-D1-735-U-DL-CG

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type IV - Short - N/A

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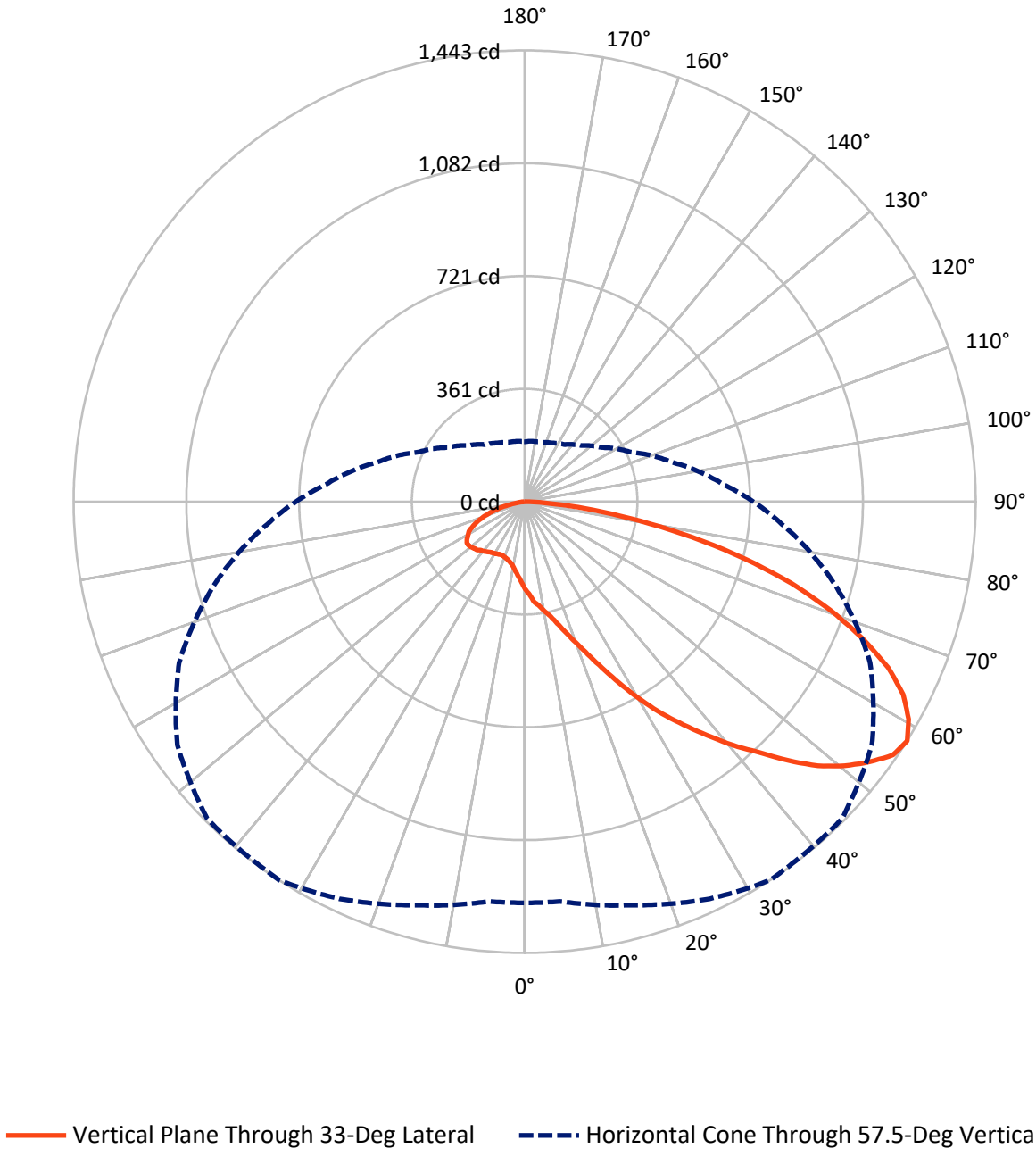
Luminous Intensity Polar Plot



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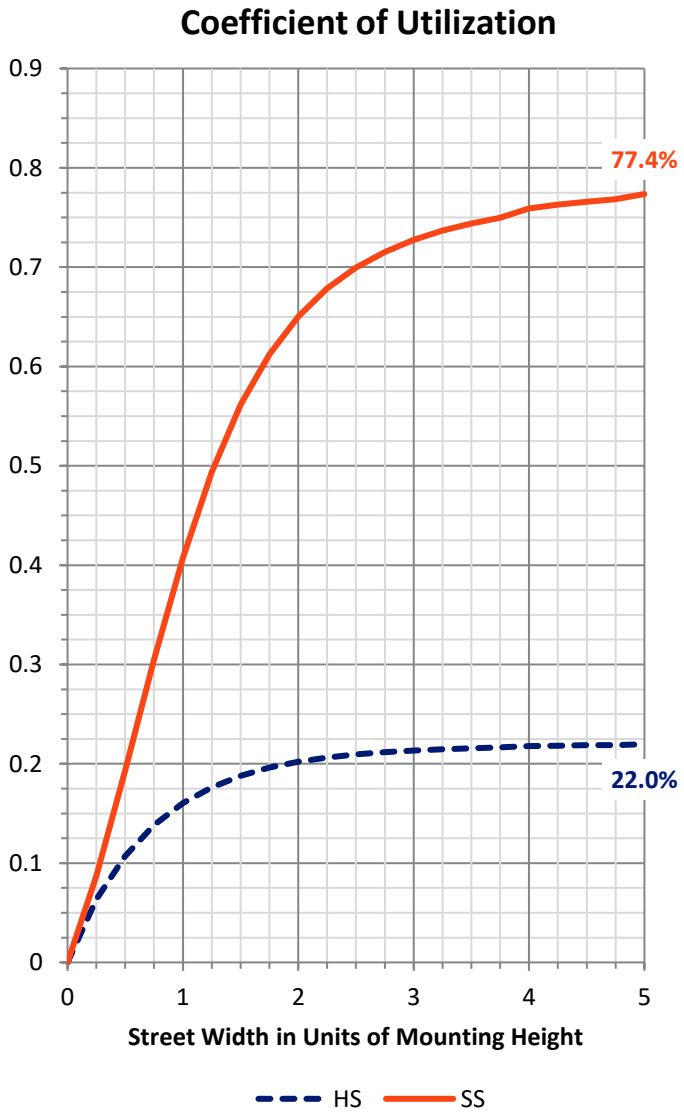
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.9	0.0	660.9
	% Fixture	22.1	0.0	22.1
Street Side	Lumens	2334.1	0.0	2334.1
	% Fixture	77.9	0.0	77.9
Total	Lumens	2995.0	0.0	2995.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	0.9
10°-20°	87.1	2.9
20°-30°	183.7	6.1
30°-40°	333.5	11.1
40°-50°	527.0	17.6
50°-60°	699.9	23.4
60°-70°	673.6	22.5
70°-80°	395.4	13.2
80°-90°	67.9	2.3
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°	2995.0	100.0
0°-180°	2995.0	100.0



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REPORT NUMBER: P832561
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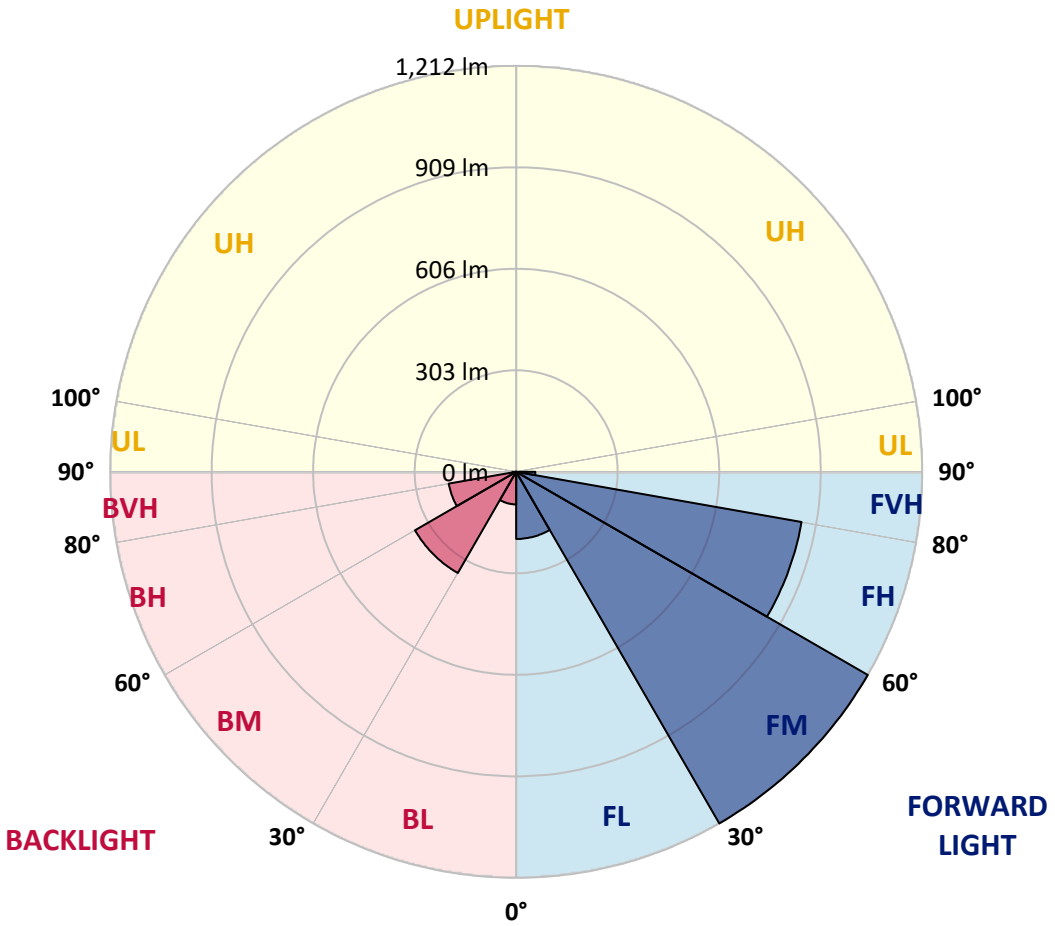
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	200.4	6.7			
FM	(30°-60°)	1211.7	40.5			
FH	(60°-80°)	864.7	28.9			G1/1800
FVH	(80°-90°)	57.3	1.9			G1/100
BL	(0°-30°)	97.2	3.2	B0/110		
BM	(30°-60°)	348.7	11.6	B1/1000		
BH	(60°-80°)	204.4	6.8	B1/500		G1/500
BVH	(80°-90°)	10.5	0.4			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 IV Short



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Scaled Data Report

REPORT NUMBER: P832561
CATALOG NUMBER: TTN-D1-735-U-DL-CG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	280.7	280.7	280.7	280.7	*280.7*	280.7	280.7	280.7	280.7	280.7	280.7
2.5°	299.1	301.7	299.1	299.1	*296.4*	296.4	293.8	291.2	288.6	286.0	280.7
5°	333.2	333.2	330.5	325.3	*322.7*	320.1	314.8	306.9	301.7	293.8	286.0
7.5°	348.9	348.9	346.3	341.0	*335.8*	333.2	325.3	314.8	306.9	296.4	286.0
10°	369.9	372.5	367.3	362.0	*356.8*	354.2	343.7	330.5	317.4	304.3	288.6
12.5°	393.5	396.1	393.5	385.6	*377.8*	375.1	364.7	348.9	333.2	314.8	296.4
15°	425.0	430.2	422.4	417.1	*409.3*	406.6	393.5	375.1	356.8	333.2	309.6
17.5°	461.7	464.3	459.1	451.2	*446.0*	443.4	430.2	409.3	383.0	356.8	327.9
20°	503.7	506.3	503.7	493.2	*488.0*	485.3	472.2	448.6	417.1	388.3	351.5
22.5°	553.5	558.8	550.9	543.0	*537.8*	537.8	522.1	495.8	459.1	422.4	380.4
25°	611.3	619.1	608.6	603.4	*598.1*	595.5	582.4	550.9	508.9	464.3	411.9
27.5°	682.1	687.3	679.5	676.8	*666.3*	666.3	645.4	608.6	564.0	511.6	451.2
30°	745.0	750.3	745.0	745.0	*737.2*	734.6	713.6	676.8	621.7	558.8	485.3
32.5°	805.4	810.6	808.0	810.6	*808.0*	805.4	779.2	739.8	684.7	603.4	519.4
35°	865.7	873.6	871.0	878.8	*876.2*	873.6	852.6	805.4	739.8	658.5	556.2
37.5°	928.7	936.6	936.6	944.4	*947.0*	947.0	923.4	873.6	800.1	708.3	598.1
40°	996.9	1004.8	1004.8	1017.9	*1023.1*	1023.1	996.9	947.0	865.7	763.4	642.7
42.5°	1062.5	1070.3	1073.0	1086.1	*1094.0*	1096.6	1075.6	1017.9	923.4	818.5	684.7
45°	1125.4	1133.3	1141.2	1167.4	*1180.5*	1177.9	1162.2	1101.8	996.9	876.2	729.3
47.5°	1185.8	1196.3	1209.4	1243.5	*1261.9*	1259.2	1248.7	1180.5	1065.1	931.3	768.7
50°	1233.0	1240.9	1267.1	1303.8	*1327.4*	1330.1	1314.3	1248.7	1122.8	973.3	797.5
52.5°	1269.7	1280.2	1311.7	1364.2	*1382.5*	1390.4	1372.0	1306.5	1180.5	1010.0	821.1
55°	1296.0	1296.0	1343.2	1403.5	*1429.8*	1435.0	1435.0	1353.7	1214.6	1033.6	834.2
57.5°	*1282.8*	*1282.8*	*1335.3*	*1400.9*	*1442.9*	*1440.2*	*1435.0*	*1356.3*	*1219.9*	*1028.4*	*826.4*
60°	1246.1	1254.0	1303.8	1369.4	*1411.4*	1408.8	1393.0	1322.2	1193.6	1007.4	810.6
62.5°	1196.3	1209.4	1261.9	1311.7	*1358.9*	1366.8	1345.8	1282.8	1149.1	975.9	781.8
65°	1101.8	1120.2	1185.8	1240.9	*1277.6*	1293.3	1267.1	1209.4	1088.7	915.6	721.4
67.5°	996.9	1010.0	1065.1	1143.8	*1164.8*	1180.5	1167.4	1107.1	1004.8	818.5	653.2
70°	876.2	897.2	933.9	1012.6	*1036.2*	1052.0	1052.0	991.6	894.6	718.8	571.9
72.5°	734.6	758.2	802.8	860.5	*892.0*	902.5	899.8	850.0	763.4	608.6	482.7
75°	579.8	598.1	650.6	692.6	*726.7*	734.6	731.9	690.0	611.3	490.6	383.0
77.5°	427.6	446.0	485.3	516.8	*548.3*	543.0	543.0	511.6	461.7	364.7	291.2
80°	280.7	296.4	330.5	341.0	*375.1*	372.5	372.5	348.9	314.8	244.0	194.1
82.5°	154.8	167.9	191.5	202.0	*223.0*	217.7	220.4	204.6	183.6	136.4	110.2
85°	55.1	65.6	78.7	86.6	*97.1*	97.1	97.1	83.9	78.7	52.5	44.6
87.5°	2.6	5.2	10.5	10.5	*15.7*	15.7	15.7	10.5	10.5	2.6	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

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Scaled Data Report

REPORT NUMBER: P832561
CATALOG NUMBER: TTN-D1-735-U-DL-CG

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7
2.5°	278.1	275.5	272.8	267.6	265.0	262.3	259.7	257.1	257.1	257.1	257.1
5°	280.7	278.1	270.2	262.3	254.5	246.6	241.4	238.7	236.1	233.5	233.5
7.5°	280.7	275.5	265.0	254.5	246.6	236.1	228.2	220.4	215.1	212.5	212.5
10°	283.3	275.5	262.3	251.8	238.7	225.6	215.1	204.6	199.4	194.1	194.1
12.5°	288.6	280.7	262.3	249.2	233.5	217.7	204.6	194.1	186.3	181.0	181.0
15°	299.1	288.6	267.6	249.2	230.9	212.5	199.4	186.3	178.4	173.1	173.1
17.5°	314.8	301.7	275.5	249.2	228.2	209.9	194.1	181.0	170.5	165.3	165.3
20°	333.2	317.4	286.0	254.5	228.2	207.2	191.5	175.8	165.3	160.0	160.0
22.5°	359.4	335.8	299.1	262.3	233.5	209.9	188.9	173.1	162.7	157.4	157.4
25°	388.3	362.0	314.8	272.8	238.7	209.9	188.9	173.1	162.7	157.4	154.8
27.5°	419.7	390.9	333.2	283.3	244.0	215.1	191.5	173.1	162.7	157.4	157.4
30°	448.6	414.5	351.5	296.4	251.8	217.7	194.1	175.8	162.7	157.4	157.4
32.5°	480.1	440.7	369.9	309.6	259.7	223.0	196.8	178.4	165.3	160.0	157.4
35°	511.6	467.0	388.3	320.1	267.6	228.2	199.4	181.0	167.9	162.7	162.7
37.5°	545.7	495.8	406.6	333.2	275.5	233.5	204.6	183.6	170.5	165.3	165.3
40°	582.4	524.7	425.0	343.7	283.3	238.7	209.9	188.9	175.8	170.5	170.5
42.5°	619.1	556.2	446.0	356.8	291.2	244.0	212.5	194.1	181.0	175.8	175.8
45°	655.9	582.4	464.3	369.9	299.1	251.8	220.4	199.4	186.3	181.0	181.0
47.5°	690.0	611.3	480.1	377.8	306.9	257.1	223.0	204.6	191.5	188.9	186.3
50°	713.6	629.6	490.6	385.6	309.6	259.7	228.2	207.2	196.8	191.5	191.5
52.5°	731.9	648.0	498.4	390.9	312.2	262.3	230.9	212.5	202.0	196.8	194.1
55°	742.4	650.6	498.4	385.6	309.6	262.3	230.9	212.5	202.0	196.8	196.8
57.5°	*731.9*	*637.5*	*488.0*	*375.1*	*301.7*	*254.5*	*223.0*	*207.2*	*196.8*	*194.1*	*191.5*
60°	710.9	616.5	467.0	359.4	288.6	241.4	212.5	199.4	191.5	188.9	186.3
62.5°	682.1	590.3	446.0	338.4	270.2	225.6	204.6	188.9	183.6	181.0	178.4
65°	624.4	540.4	411.9	312.2	246.6	207.2	186.3	175.8	170.5	165.3	162.7
67.5°	561.4	485.3	364.7	280.7	217.7	186.3	167.9	157.4	149.5	149.5	146.9
70°	493.2	427.6	314.8	238.7	188.9	162.7	144.3	136.4	131.2	131.2	128.5
72.5°	411.9	359.4	262.3	194.1	154.8	133.8	120.7	112.8	110.2	110.2	107.6
75°	330.5	283.3	207.2	152.2	120.7	104.9	94.4	89.2	86.6	86.6	83.9
77.5°	244.0	207.2	149.5	110.2	86.6	76.1	68.2	65.6	63.0	63.0	60.3
80°	162.7	136.4	97.1	70.8	52.5	47.2	42.0	42.0	39.4	42.0	39.4
82.5°	89.2	73.5	52.5	36.7	26.2	23.6	21.0	21.0	23.6	23.6	21.0
85°	34.1	26.2	18.4	10.5	7.9	7.9	7.9	7.9	7.9	7.9	5.2
87.5°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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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

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

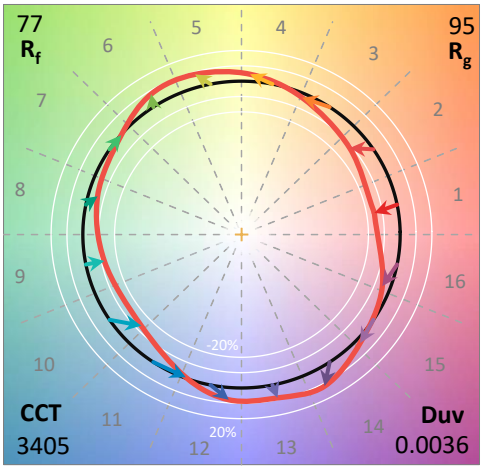
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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	CRI (Ra):	73.9		
CIE u':	0.2365	R1:	71.3	R9:	-18.0
CIE v':	0.5180	R2:	80.3	R10:	53.1
Duv:	0.0036	R3:	87.8	R11:	68.6
CIE x:	0.4148	R4:	73.2	R12:	42.6
CIE y:	0.4038	R5:	69.8	R13:	72.5
CIE z:	0.1814	R6:	71.8	R14:	92.7
Peak Wavelength (nm):	596	R7:	82.8	R15:	64.3
Dominant Wavelength (nm):	579	R8:	54.1		
Purity:	45.70672				
Rf:	76.6				
Rg:	95.4				



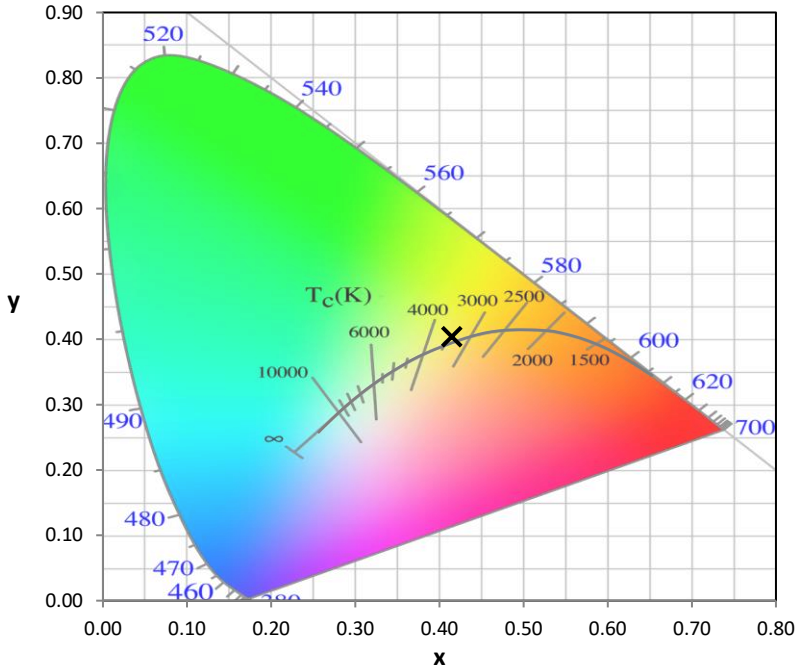
Test Conditions

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

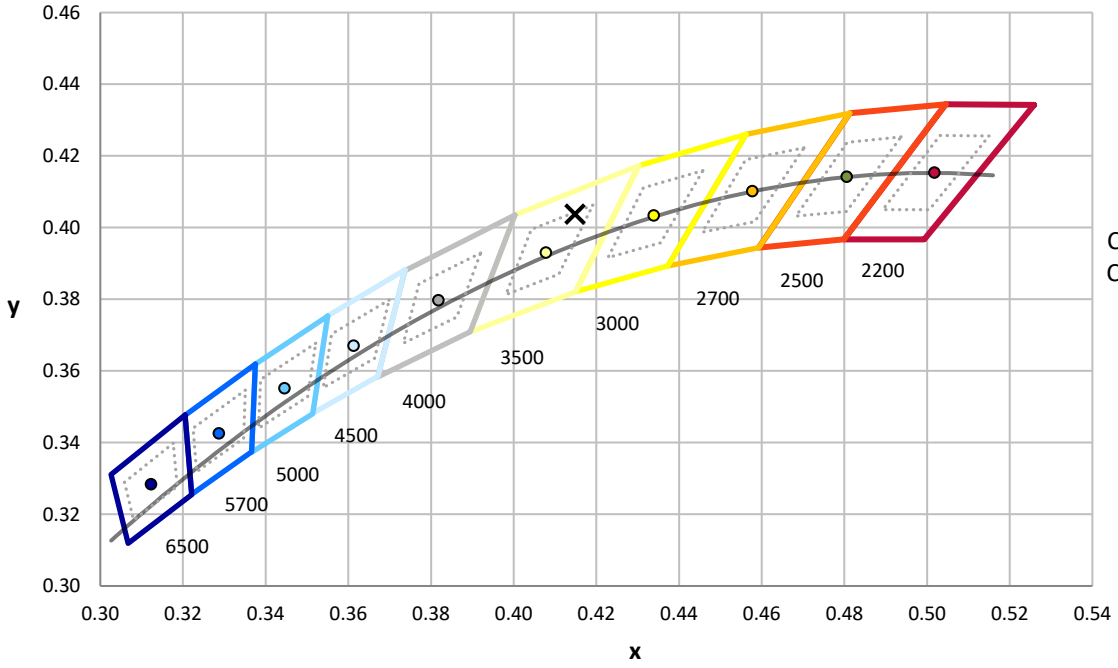
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

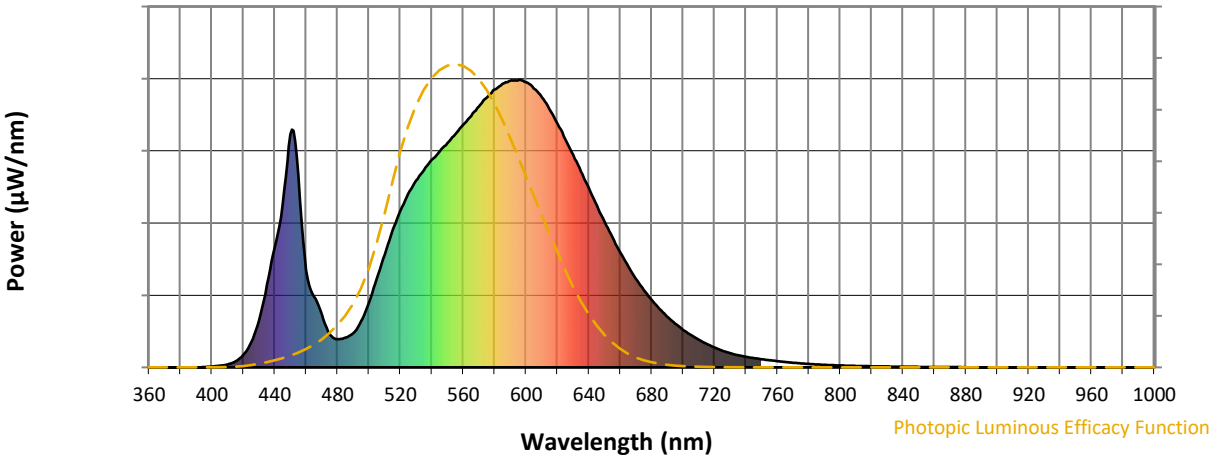


CCT = 3405K
CIE x = 0.4148
CIE y = 0.4038
Duv = 0.0036

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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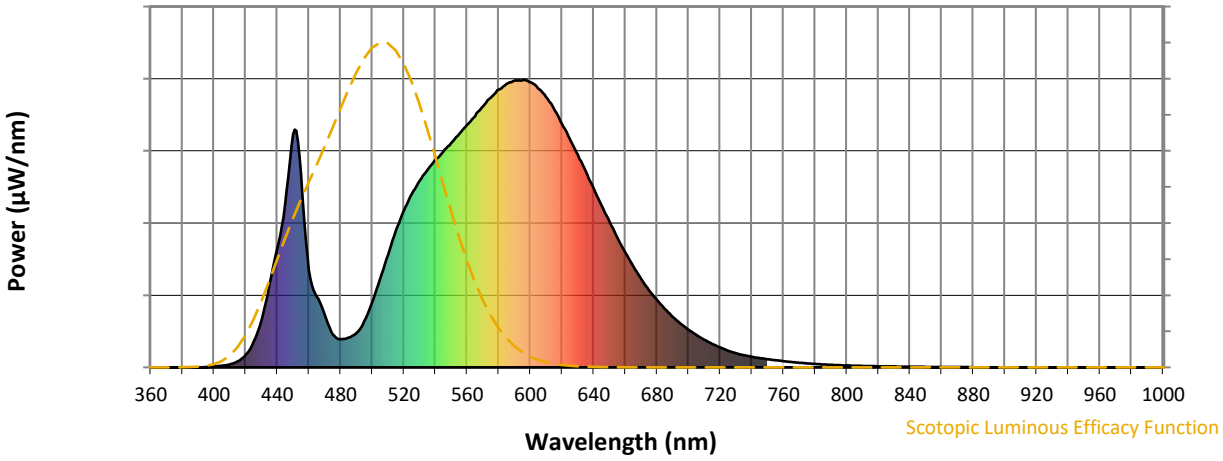
Scotopic Flux vs. Wavelength



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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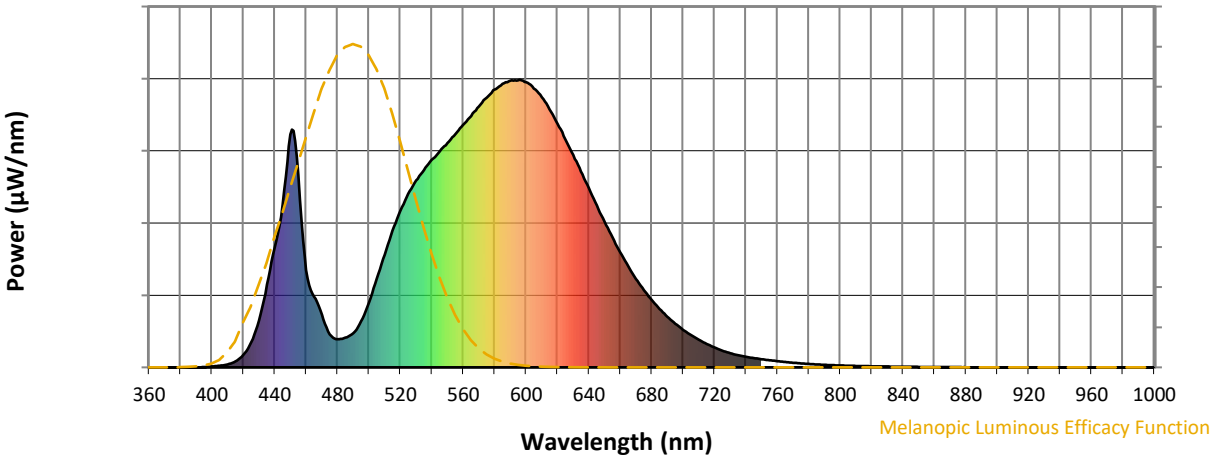
Melanopic Flux vs. Wavelength



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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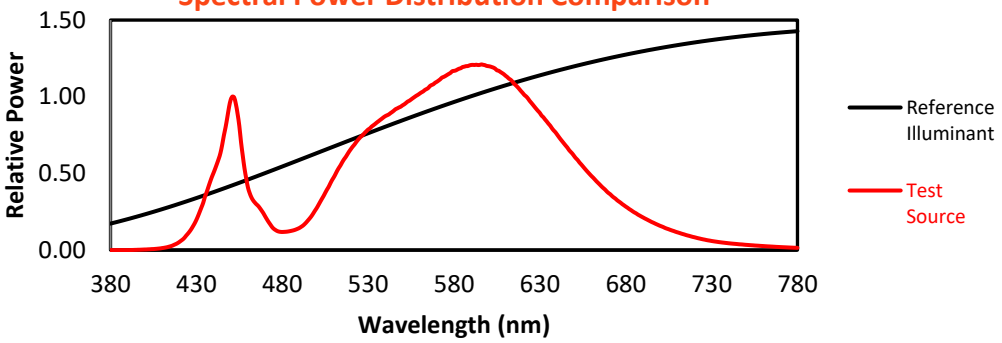
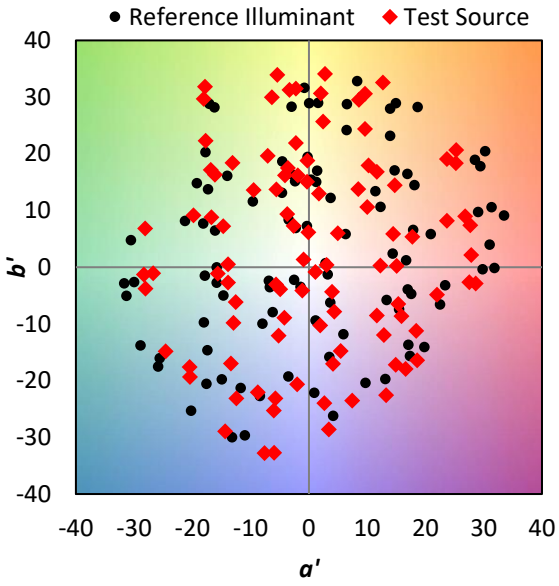
Summary

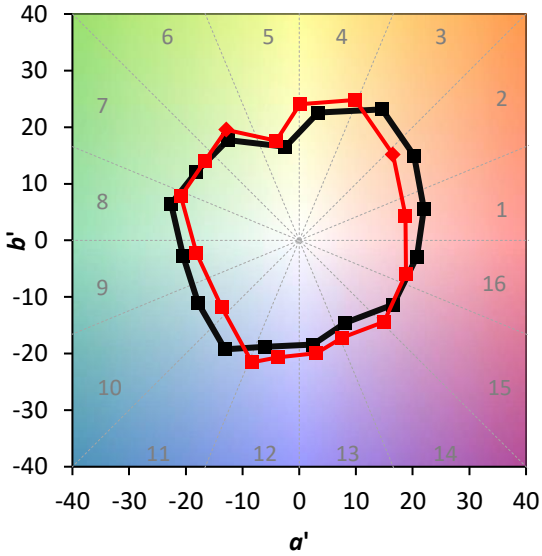
R_f = 76.6
R_g = 95.4
CIE R_a = 73.9
R_9 = -18.0

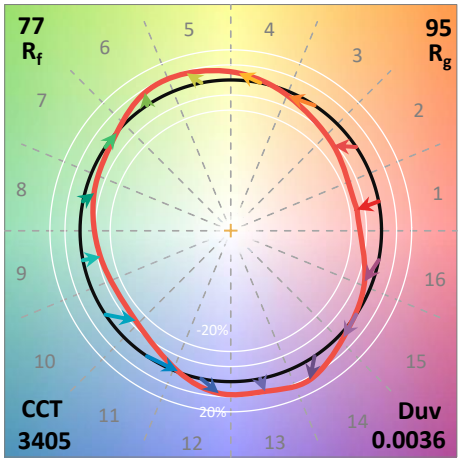
Spectral Power Distribution Comparison

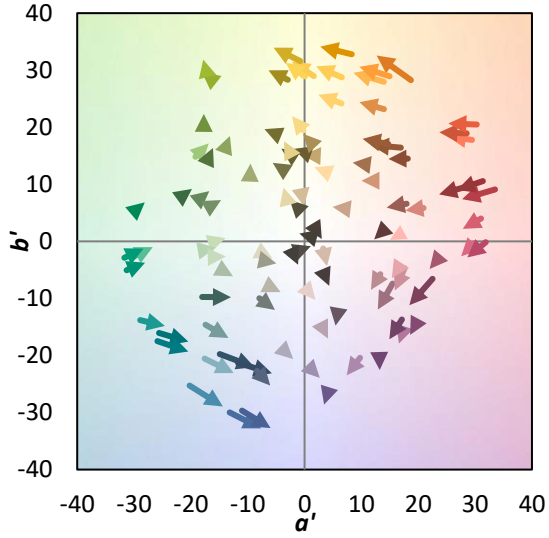


Color Vector Graphics









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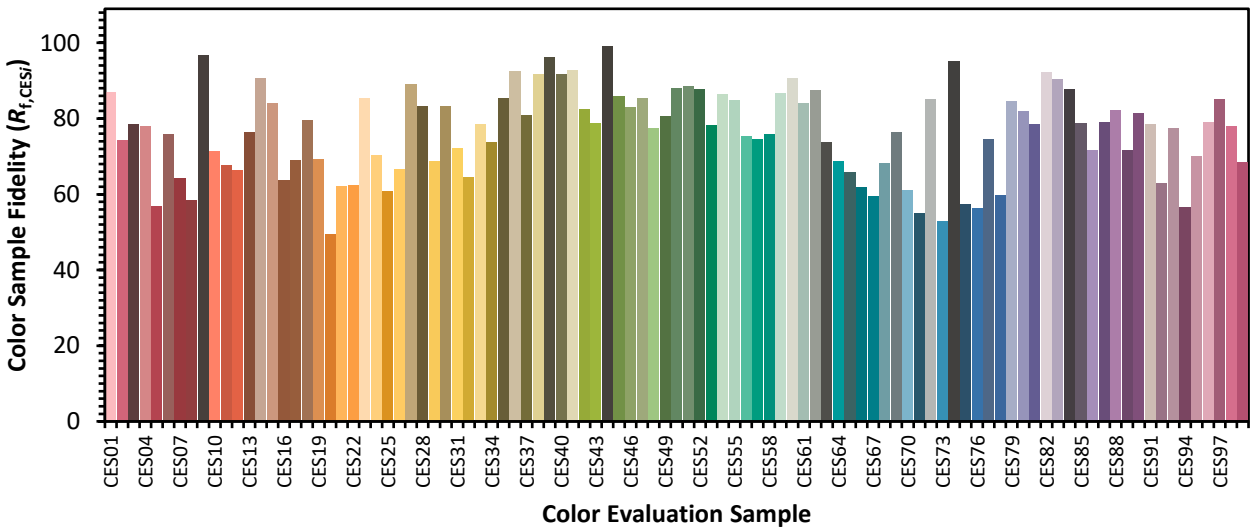
Individual Sample Fidelity Index ($R_{f,i}$)

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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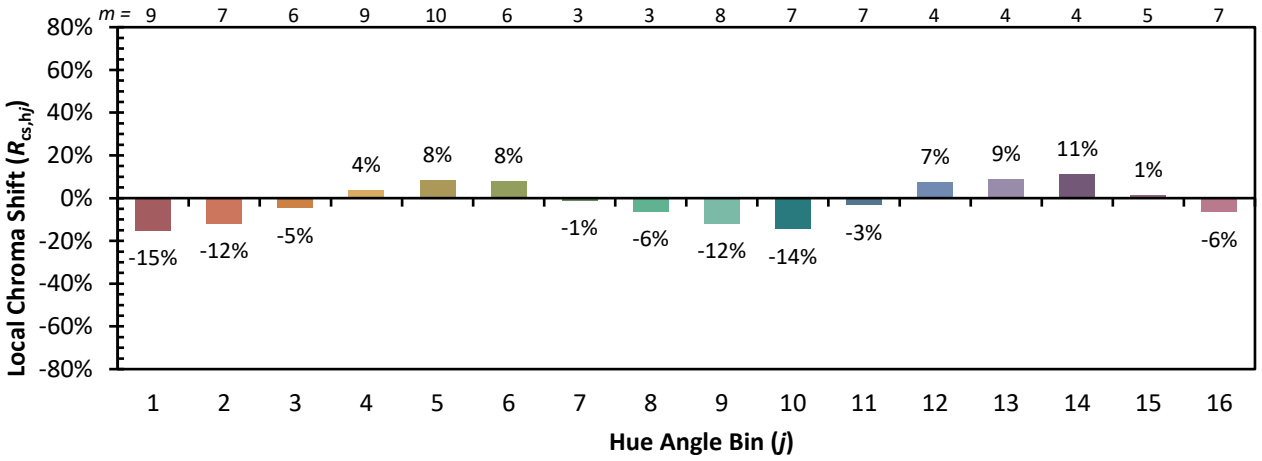
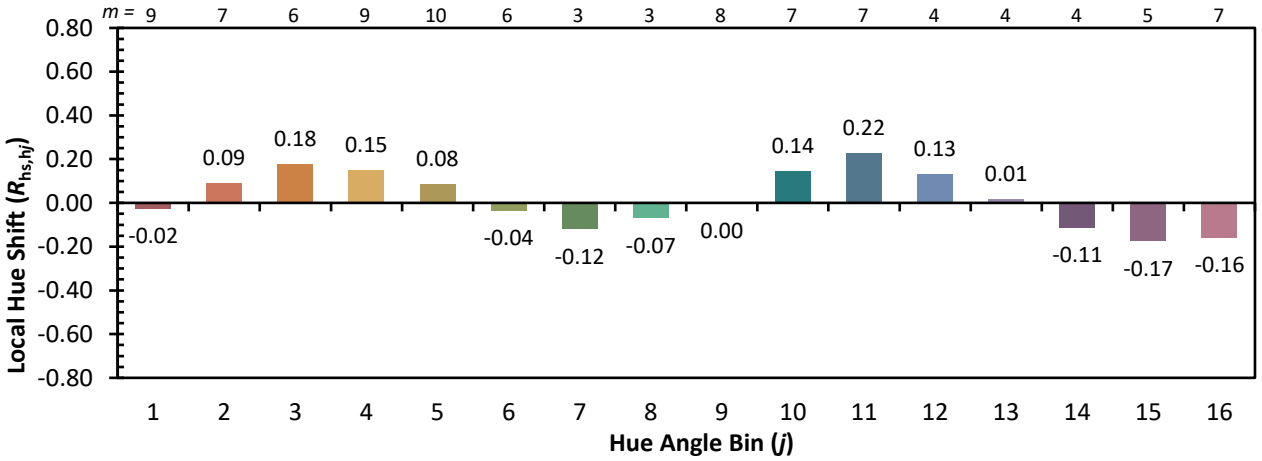
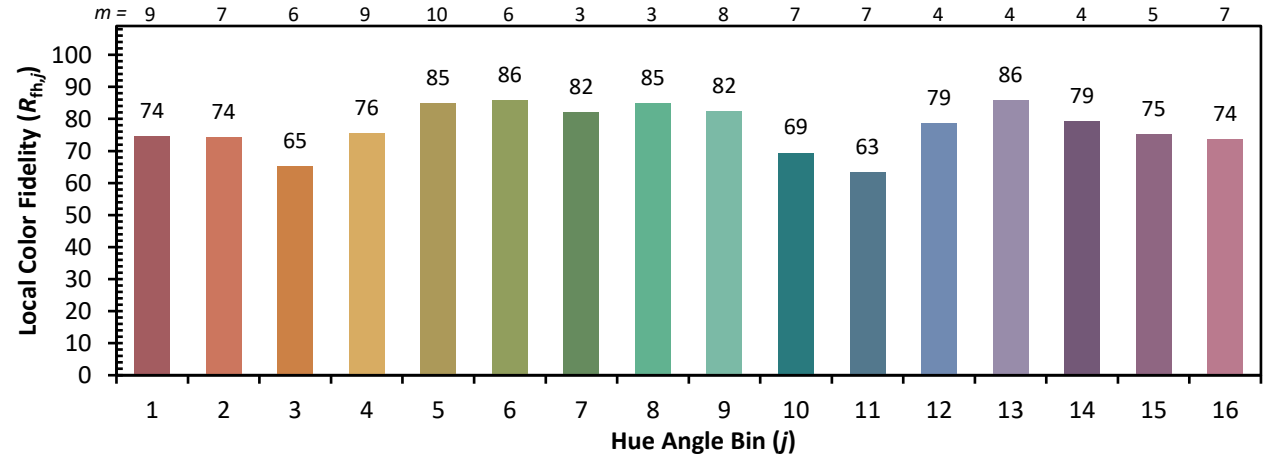
Color Rendition by Hue-Angle Bin







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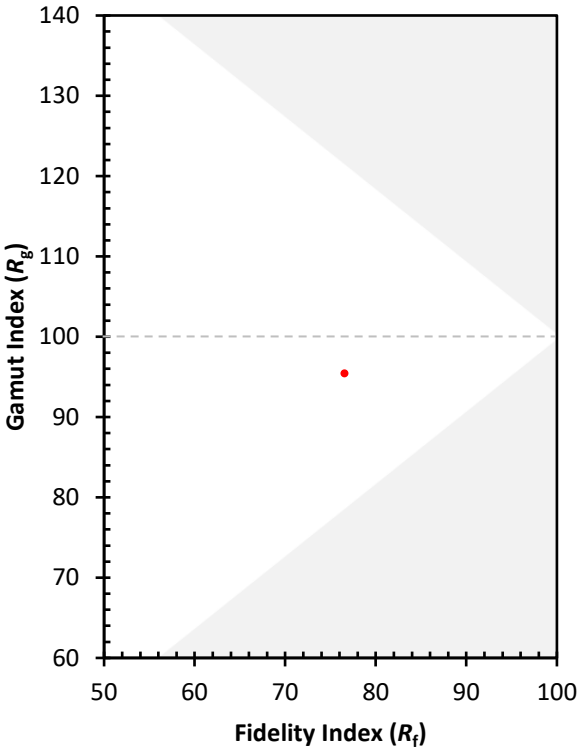
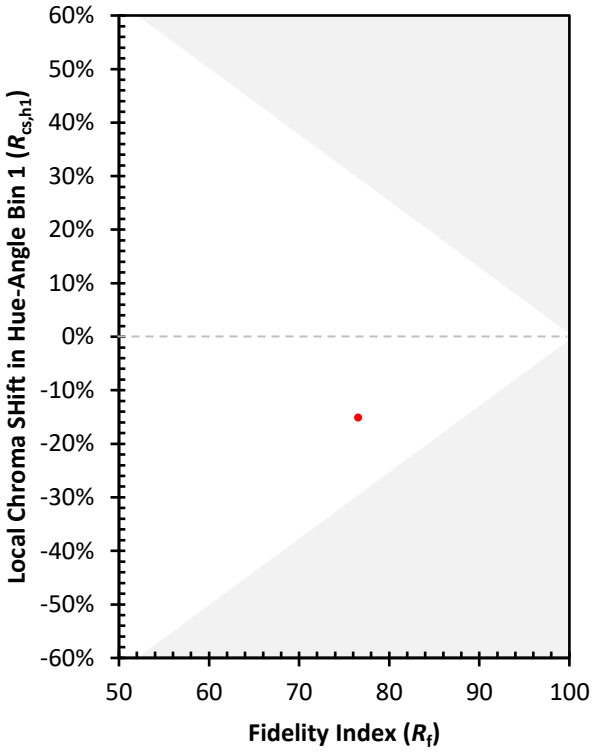
Measure Comparisons





(END OF REPORT)