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: P833929

Luminaire Tested: **TTN-D3-740-U-RW-UPL1**

Issue Date: 5/15/2024

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:	P833929
	REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (G3-2308-121-4) AND
Test Lab:	INNOVATION CENTER
Issue Date:	5/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TTN-D3-740-U-RW-UPL1
Description:	TOPTIER NANO LED PARKING GARAGE LUMINAIRE WITH UPLIGHT
	4000K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7184.9 lumens
Efficiency:	N/A
Efficacy:	116.3 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 0.71' x H: 0.1')
IES Classification:	Type II - Short
BUG Rating:	B3 - U3 - G3

Input Watts (W):	61.8
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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REPORT NUMBER: P833929
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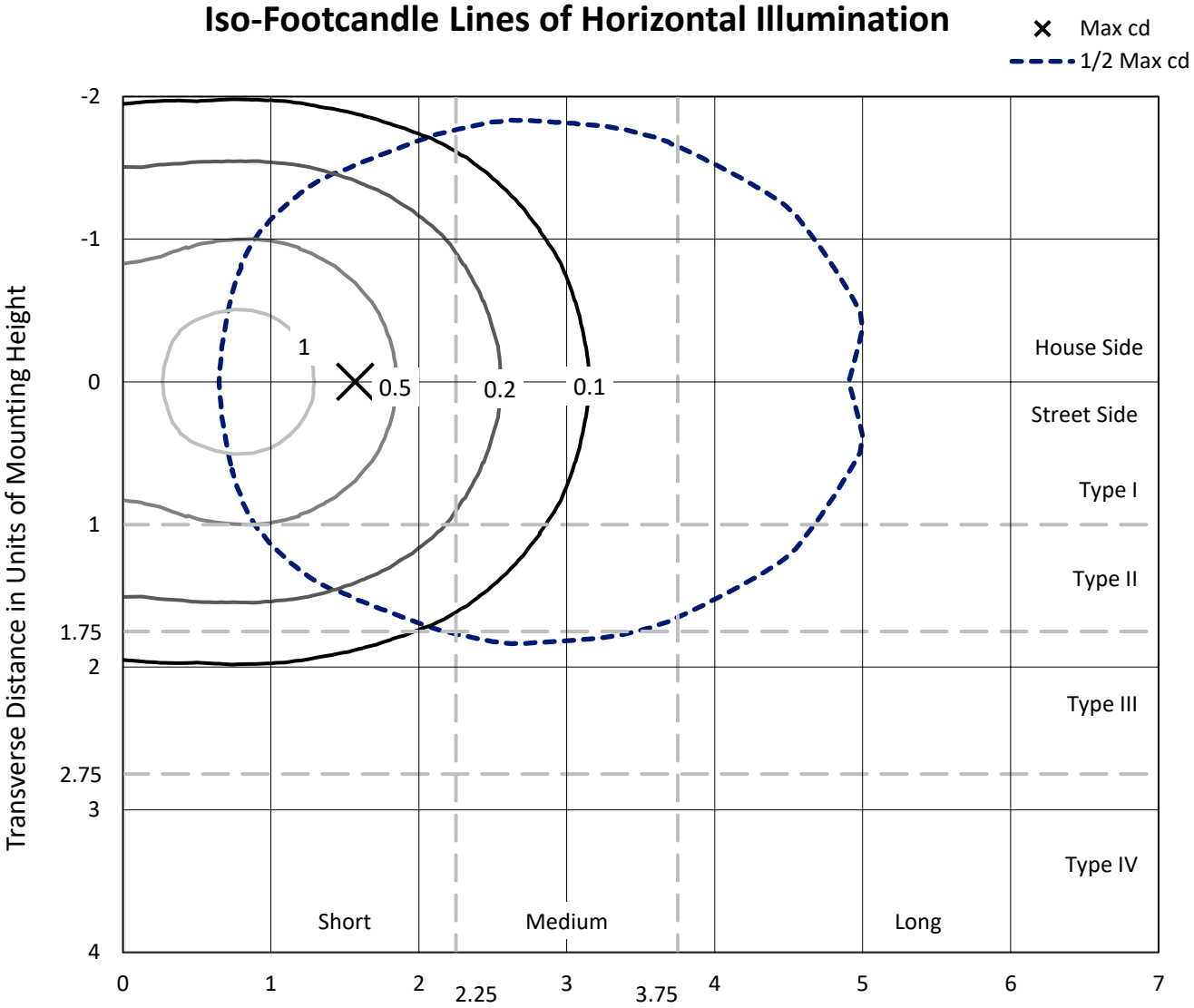
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Short - N/A

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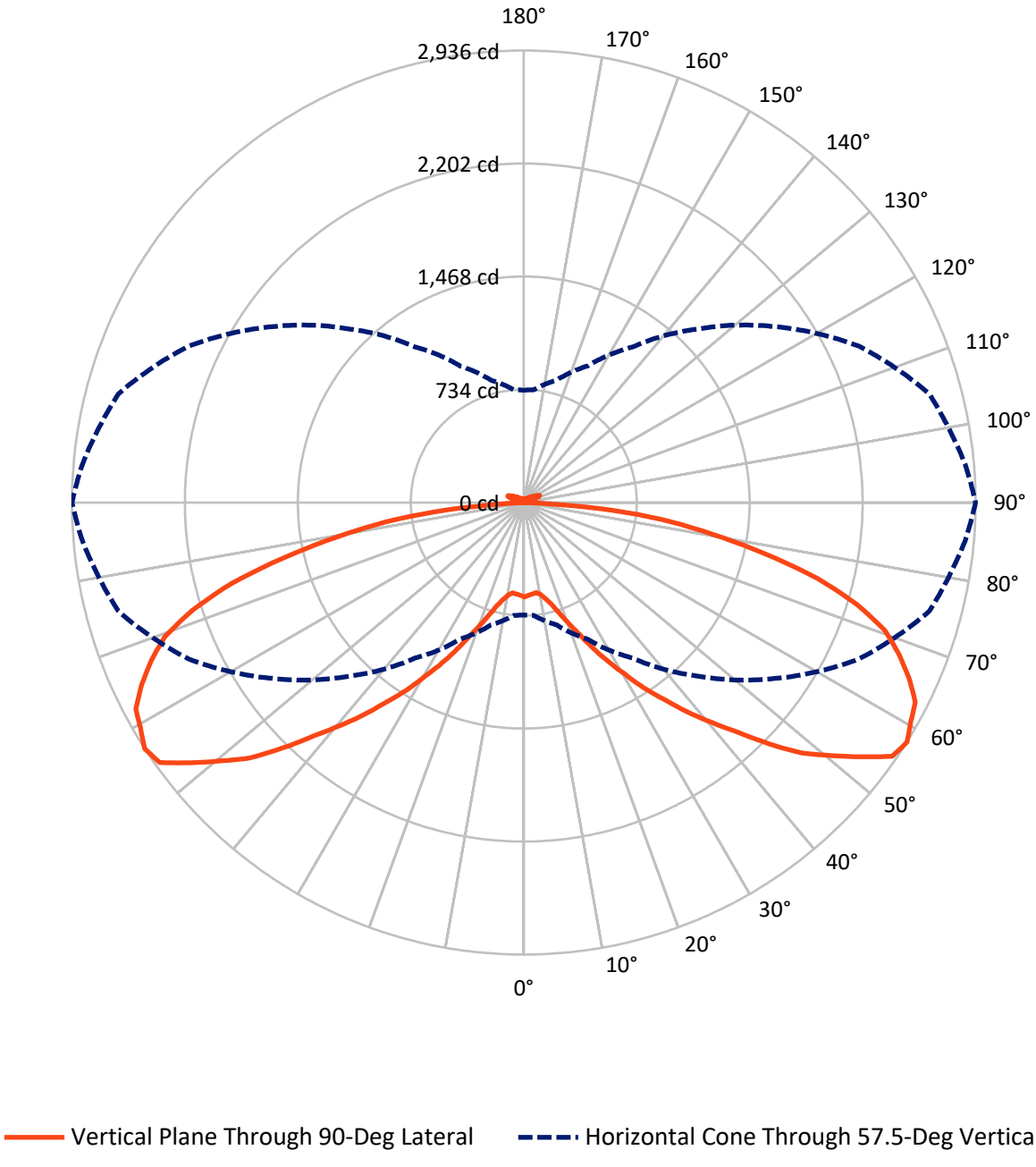
Luminous Intensity Polar Plot



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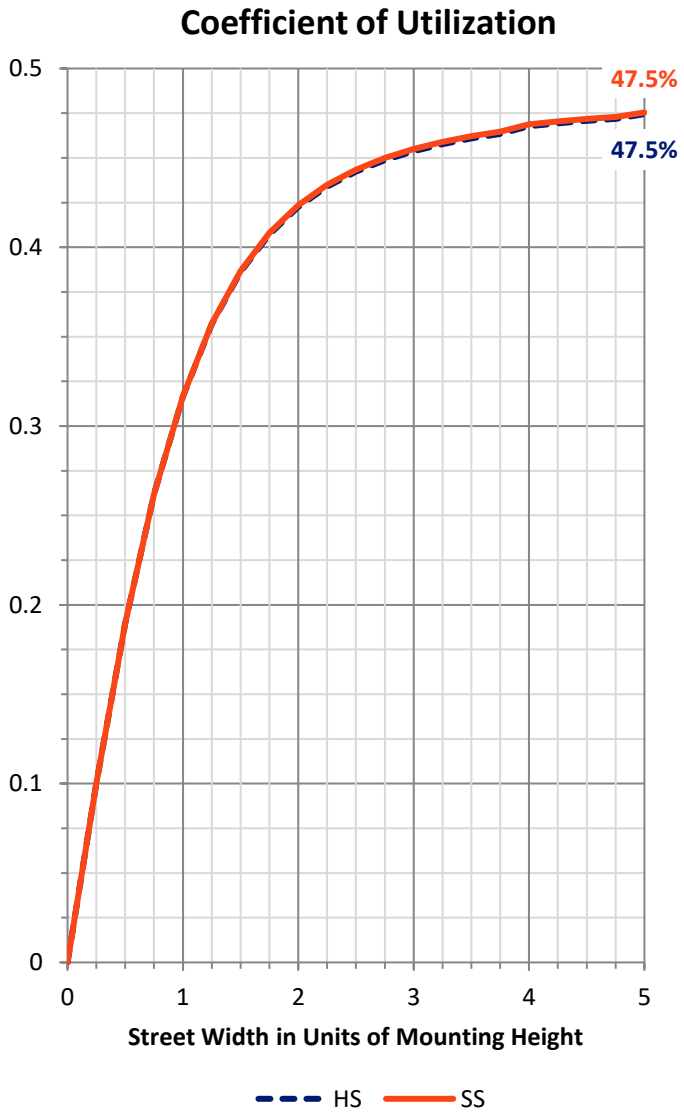
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3430.7	161.7	3592.5
	% Fixture	47.7	2.3	50.0
Street Side	Lumens	3430.7	161.7	3592.5
	% Fixture	47.7	2.3	50.0
Total	Lumens	6861.5	323.4	7184.9
	% Fixture	95.5	4.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	0.8
10°-20°	184.0	2.6
20°-30°	383.9	5.3
30°-40°	688.5	9.6
40°-50°	1100.1	15.3
50°-60°	1506.1	21.0
60°-70°	1553.5	21.6
70°-80°	1104.8	15.4
80°-90°	283.2	3.9
90°-100°	7.2	0.1
100°-110°	73.4	1.0
110°-120°	107.3	1.5
120°-130°	62.3	0.9
130°-140°	33.0	0.5
140°-150°	19.6	0.3
150°-160°	12.1	0.2
160°-170°	6.6	0.1
170°-180°	2.1	0.0
0°-90°	6861.5	95.5
0°-180°	7184.9	100.0



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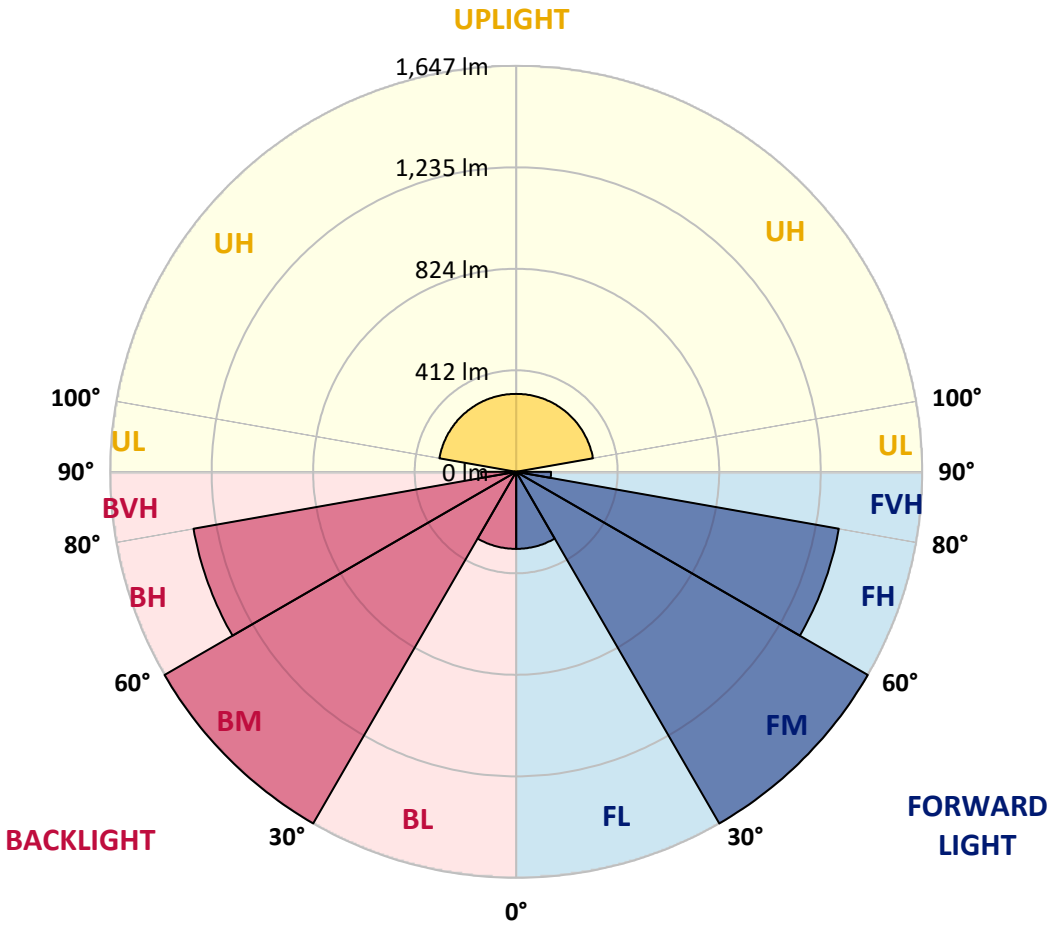
REPORT NUMBER: P833929
CATALOG NUMBER: TTN-D3-740-U-RW-UPL1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	312.7	4.4			
FM	(30°-60°)	1647.3	22.9			
FH	(60°-80°)	1329.1	18.5			G1/1800
FVH	(80°-90°)	141.6	2.0			G2/225
BL	(0°-30°)	312.7	4.4	B1/500		
BM	(30°-60°)	1647.3	22.9	B2/2500		
BH	(60°-80°)	1329.1	18.5	B3/2500		G3/2500
BVH	(80°-90°)	141.6	2.0			G2/225
UL	(90°-100°)	7.2	0.1		U1/10	
UH	(100°-180°)	316.2	4.4		U3/500	

BUG Rating: B3-U3-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P833929
CATALOG NUMBER: TTN-D3-740-U-RW-UPL1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	613.7	613.7	613.7	613.7	613.7	613.7	613.7	613.7	613.7	613.7	613.7
2.5°	613.7	613.7	608.0	608.0	608.0	602.2	602.2	602.2	602.2	596.4	602.2
5°	613.7	613.7	613.7	613.7	608.0	602.2	602.2	602.2	596.4	596.4	596.4
7.5°	608.0	608.0	608.0	608.0	602.2	596.4	596.4	596.4	590.6	590.6	590.6
10°	602.2	608.0	602.2	602.2	596.4	596.4	602.2	602.2	608.0	608.0	608.0
12.5°	596.4	596.4	596.4	602.2	602.2	608.0	619.5	631.1	636.9	642.7	642.7
15°	596.4	596.4	602.2	608.0	619.5	631.1	648.5	665.9	677.4	689.0	689.0
17.5°	596.4	596.4	602.2	619.5	636.9	660.1	689.0	712.2	735.3	752.7	758.5
20°	596.4	596.4	608.0	631.1	665.9	700.6	741.1	775.9	810.6	839.6	839.6
22.5°	602.2	608.0	619.5	648.5	700.6	752.7	804.8	856.9	897.5	932.2	932.2
25°	613.7	613.7	631.1	677.4	741.1	810.6	885.9	949.6	1001.7	1048.0	1048.0
27.5°	619.5	625.3	648.5	706.4	787.4	874.3	978.5	1053.8	1123.3	1163.8	1169.6
30°	631.1	636.9	671.6	729.5	828.0	938.0	1059.6	1163.8	1239.1	1279.6	1291.2
32.5°	636.9	642.7	689.0	758.5	868.5	995.9	1134.8	1268.0	1372.2	1418.6	1435.9
35°	654.3	660.1	706.4	787.4	914.8	1059.6	1221.7	1378.0	1499.6	1557.5	1569.1
37.5°	671.6	677.4	723.8	816.4	961.1	1129.1	1314.3	1493.8	1632.8	1702.3	1725.4
40°	683.2	689.0	741.1	851.1	1013.3	1204.3	1418.6	1615.4	1771.7	1858.6	1876.0
42.5°	700.6	706.4	764.3	880.1	1059.6	1279.6	1528.6	1748.6	1916.5	2014.9	2038.1
45°	718.0	723.8	787.4	914.8	1111.7	1360.7	1638.6	1904.9	2096.0	2211.8	2235.0
47.5°	735.3	741.1	810.6	949.6	1163.8	1441.7	1754.4	2043.9	2275.5	2385.5	2431.8
50°	741.1	752.7	822.2	972.7	1198.5	1511.2	1852.8	2182.8	2426.0	2570.8	2582.4
52.5°	746.9	758.5	833.8	990.1	1227.5	1563.3	1933.9	2298.6	2582.4	2756.1	2744.5
55°	752.7	752.7	833.8	990.1	1239.1	1598.0	1991.8	2373.9	2686.6	2825.5	2906.6
57.5°	729.5	735.3	822.2	978.5	1233.3	1592.3	1991.8	2402.9	2727.1	2877.6	2935.5
60°	700.6	712.2	793.2	949.6	1210.1	1574.9	1980.2	2391.3	2744.5	2906.6	2889.2
62.5°	660.1	683.2	752.7	909.0	1175.4	1534.4	1962.8	2362.3	2703.9	2871.9	2854.5
65°	613.7	636.9	700.6	868.5	1100.1	1435.9	1870.2	2304.4	2593.9	2785.0	2750.3
67.5°	567.4	584.8	648.5	799.0	1013.3	1331.7	1748.6	2177.1	2437.6	2646.0	2628.7
70°	515.3	521.1	584.8	718.0	926.4	1227.5	1632.8	1997.6	2298.6	2455.0	2489.7
72.5°	451.6	451.6	515.3	631.1	822.2	1088.5	1476.5	1794.9	2078.6	2211.8	2263.9
75°	370.6	376.4	428.5	532.7	689.0	932.2	1256.4	1580.7	1818.1	1957.0	1974.4
77.5°	289.5	295.3	335.8	422.7	555.8	752.7	1036.4	1291.2	1517.0	1638.6	1603.8
80°	208.4	214.2	243.2	306.9	411.1	561.6	799.0	1024.8	1187.0	1285.4	1239.1
82.5°	127.4	133.2	150.5	191.1	260.6	364.8	544.3	712.2	839.6	920.6	903.2
85°	63.7	63.7	75.3	86.9	110.0	162.1	260.6	359.0	457.4	515.3	497.9
87.5°	11.6	17.4	17.4	17.4	17.4	11.6	17.4	17.4	17.4	29.0	11.6
90°	2.8	2.8	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.8	2.8
92.5°	2.8	2.8	2.8	3.9	4.4	3.9	4.4	3.3	3.3	2.8	2.8
95°	3.3	3.3	3.9	5.0	6.1	6.6	6.6	3.9	3.9	3.3	3.3
97.5°	4.4	5.0	5.0	6.1	10.0	18.3	11.1	5.5	5.5	5.0	4.4
100°	7.2	7.7	7.7	13.8	29.3	39.3	28.2	14.4	10.5	7.7	7.7
102.5°	23.2	24.3	29.9	44.8	66.4	60.3	50.9	48.1	33.2	26.6	25.5
105°	59.2	58.7	63.1	74.7	93.0	91.3	84.1	76.4	65.8	60.9	60.9
107.5°	78.0	78.0	81.9	91.9	105.7	123.4	125.1	99.0	86.9	81.3	80.8
110°	88.0	88.0	91.3	99.6	117.9	142.8	141.6	122.3	107.3	100.2	99.0

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REPORT NUMBER: P833929
CATALOG NUMBER: TTN-D3-740-U-RW-UPL1

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	90.2	90.7	95.2	107.9	127.8	138.9	133.9	126.2	119.5	114.0	*112.9*
115°	93.5	93.5	98.5	110.7	121.7	126.2	120.6	114.5	110.1	107.9	*109.0*
117.5°	92.4	94.1	95.2	101.8	109.0	112.3	109.6	101.3	97.9	96.8	*95.2*
120°	85.8	85.8	86.9	90.2	94.1	95.7	94.6	89.1	86.3	85.8	*84.7*
122.5°	76.4	76.9	76.4	78.0	80.8	82.4	81.3	76.9	75.8	75.8	*74.7*
125°	67.0	67.0	66.4	67.5	69.2	68.6	69.2	67.0	66.4	66.4	*65.8*
127.5°	60.3	59.8	58.7	59.2	59.8	59.8	60.3	58.1	58.7	59.2	*58.7*
130°	53.7	53.7	52.6	52.6	52.6	51.5	52.6	51.5	52.0	52.6	*53.1*
132.5°	47.6	47.6	45.9	45.4	45.4	45.4	45.9	45.4	46.5	47.6	*47.6*
135°	42.6	42.6	40.9	41.5	41.5	40.9	41.5	40.9	42.1	42.6	*42.6*
137.5°	38.7	38.7	37.6	37.6	37.6	37.1	37.6	37.6	38.2	39.3	*39.8*
140°	35.4	35.4	34.9	34.9	34.3	34.9	34.9	34.9	35.4	36.0	*36.0*
142.5°	33.8	33.2	32.6	32.1	32.6	32.6	32.6	32.1	32.6	33.8	*33.8*
145°	31.0	31.0	30.4	30.4	30.4	31.0	30.4	30.4	31.0	31.0	*31.5*
147.5°	29.3	29.3	28.8	29.3	29.3	29.3	29.3	28.8	29.3	29.3	*29.9*
150°	28.8	28.2	27.7	28.2	28.2	27.7	27.7	27.7	27.7	28.2	*28.2*
152.5°	27.1	27.1	26.6	27.1	26.6	26.6	26.6	26.6	26.6	27.1	*27.7*
155°	26.0	26.0	25.5	26.0	26.0	26.0	26.0	26.0	26.0	26.0	*26.0*
157.5°	24.9	25.5	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.5	*25.5*
160°	24.3	24.3	24.3	24.3	23.8	23.8	23.8	24.3	24.3	24.3	*24.9*
162.5°	23.8	23.8	23.8	23.8	23.2	23.2	23.2	23.2	23.8	23.8	*24.3*
165°	23.8	23.2	23.2	23.2	22.7	22.7	22.7	22.7	23.2	23.8	*23.2*
167.5°	22.7	22.7	22.7	22.7	22.7	22.1	22.1	22.7	22.7	22.7	*23.2*
170°	22.7	22.7	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	*22.7*
172.5°	22.7	22.7	22.7	22.7	22.1	22.1	22.1	22.1	22.1	22.7	*22.7*
175°	22.7	22.7	22.7	22.7	22.1	22.1	22.1	22.7	22.7	22.7	*22.1*
177.5°	22.7	22.7	22.7	22.7	22.1	22.7	22.7	22.7	22.7	22.7	*22.7*
180°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	*22.7*

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2411-284-2

Test Date: 11/20/2024

Luminaire Tested: TTN-D0-740-U-WQ

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

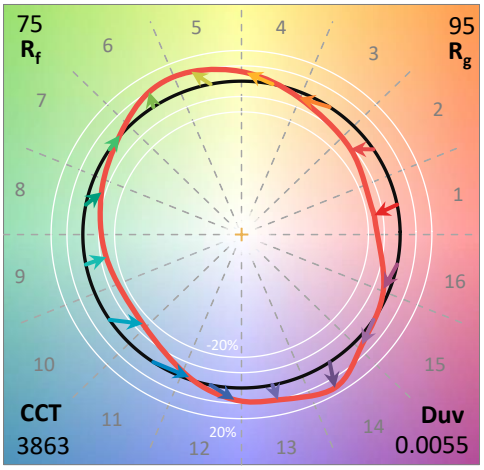
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2411-284-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	11/20/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**TTN-D0-740-U-WQ**
Description:	TOPTIER NANO LED PARKING GARAGE LUMINAIRE. 4000K, 70 CRI LEDS AND WIDE DISTRIBUTION

Spectral Parameters

CCT (K):	3863
CIE u':	0.2247
CIE v':	0.5111
Duv:	0.0055
CIE x:	0.3911
CIE y:	0.3954
CIE z:	0.2136
Peak Wavelength (nm):	448
Dominant Wavelength (nm):	577
Purity:	36.03443
Rf:	74.7
Rg:	95.4

CRI (Ra):	71.9
R1:	69.4
R2:	76.9
R3:	83.3
R4:	72.7
R5:	68.4
R6:	67.5
R7:	82.0
R8:	55.3
R9:	-23.5
R10:	45.4
R11:	68.7
R12:	38.7
R13:	70.0
R14:	90.3
R15:	62.1



Test Conditions

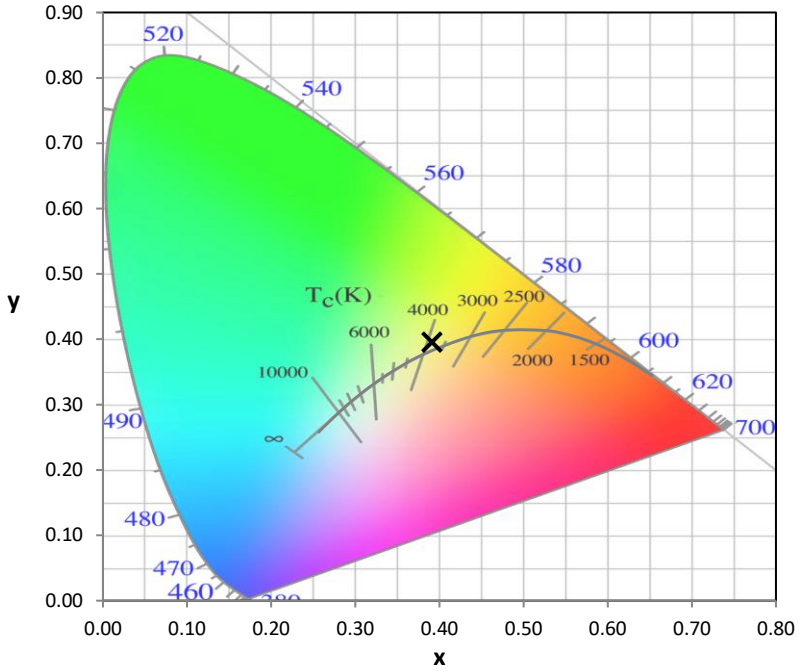
Stabilization Time:	37M
Operation Time:	1H 37M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2411-284-2

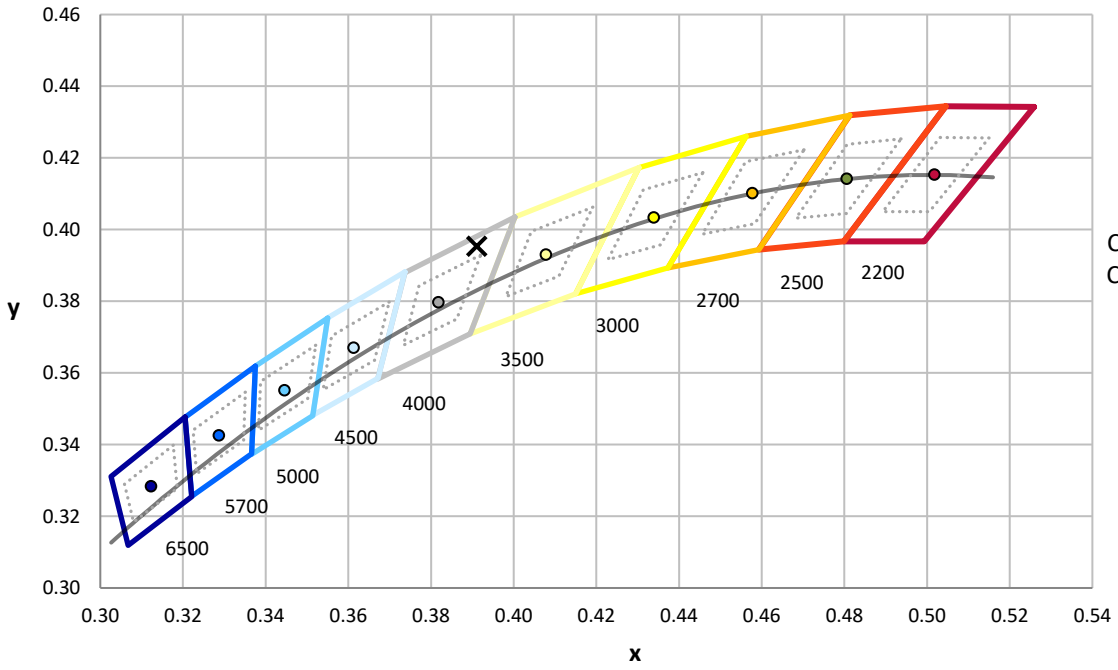
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2411-284-2

CIE 1931 Chromaticity Diagram



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

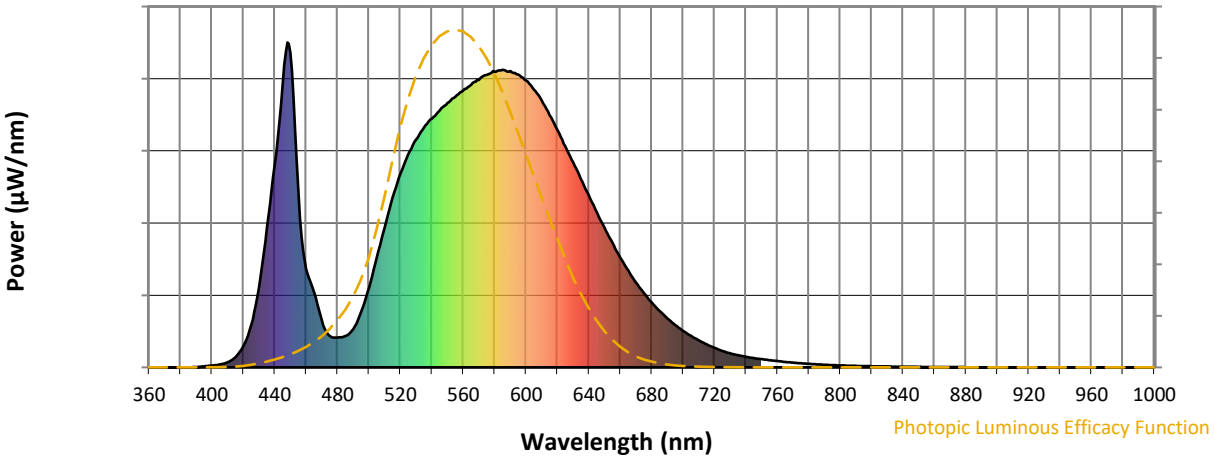


CCT = 3863K
CIE x = 0.3911
CIE y = 0.3954
Duv = 0.0055

Point lies inside the ANSI 4000K 7-step quadrangle

REPORT NUMBER: SP1-2411-284-2

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	118	NR	620	730	NR	750	25	NR	880	1	NR
365	0	NR	495	170	NR	625	680	NR	755	22	NR	885	0	NR
370	0	NR	500	245	NR	630	630	NR	760	19	NR	890	0	NR
375	0	NR	505	338	NR	635	579	NR	765	17	NR	895	0	NR
380	0	NR	510	431	NR	640	529	NR	770	14	NR	900	0	NR
385	0	NR	515	521	NR	645	477	NR	775	13	NR	905	0	NR
390	1	NR	520	596	NR	650	429	NR	780	11	NR	910	0	NR
395	3	NR	525	655	NR	655	383	NR	785	9	NR	915	0	NR
400	6	NR	530	701	NR	660	338	NR	790	8	NR	920	0	NR
405	9	NR	535	739	NR	665	298	NR	795	7	NR	925	0	NR
410	16	NR	540	766	NR	670	261	NR	800	6	NR	930	0	NR
415	32	NR	545	791	NR	675	228	NR	805	5	NR	935	0	NR
420	65	NR	550	813	NR	680	200	NR	810	5	NR	940	0	NR
425	131	NR	555	833	NR	685	173	NR	815	4	NR	945	0	NR
430	245	NR	560	852	NR	690	151	NR	820	3	NR	950	0	NR
435	432	NR	565	870	NR	695	130	NR	825	3	NR	955	0	NR
440	622	NR	570	885	NR	700	112	NR	830	3	NR	960	0	NR
445	870	NR	575	900	NR	705	97	NR	835	2	NR	965	0	NR
450	969	NR	580	911	NR	710	83	NR	840	2	NR	970	0	NR
455	544	NR	585	916	NR	715	71	NR	845	2	NR	975	0	NR
460	304	NR	590	912	NR	720	60	NR	850	1	NR	980	0	NR
465	231	NR	595	901	NR	725	51	NR	855	1	NR	985	0	NR
470	142	NR	600	882	NR	730	43	NR	860	1	NR	990	0	NR
475	96	NR	605	855	NR	735	37	NR	865	1	NR	995	0	NR
480	92	NR	610	820	NR	740	32	NR	870	1	NR	1000	0	NR
485	96	NR	615	776	NR	745	29	NR	875	1	NR			

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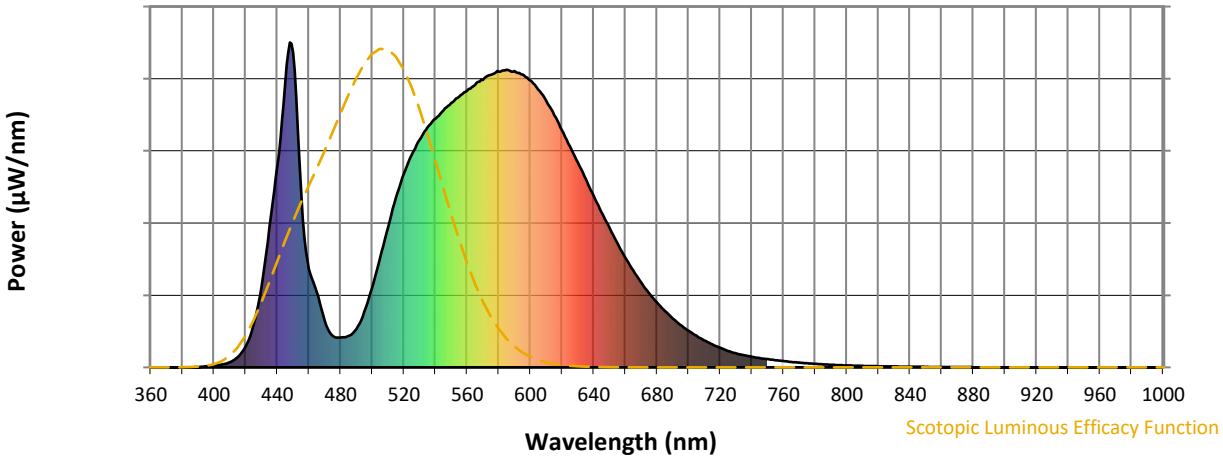
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.45**

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	118	NR	620	730	NR	750	25	NR	880	1	NR
365	0	NR	495	170	NR	625	680	NR	755	22	NR	885	0	NR
370	0	NR	500	245	NR	630	630	NR	760	19	NR	890	0	NR
375	0	NR	505	338	NR	635	579	NR	765	17	NR	895	0	NR
380	0	NR	510	431	NR	640	529	NR	770	14	NR	900	0	NR
385	0	NR	515	521	NR	645	477	NR	775	13	NR	905	0	NR
390	1	NR	520	596	NR	650	429	NR	780	11	NR	910	0	NR
395	3	NR	525	655	NR	655	383	NR	785	9	NR	915	0	NR
400	6	NR	530	701	NR	660	338	NR	790	8	NR	920	0	NR
405	9	NR	535	739	NR	665	298	NR	795	7	NR	925	0	NR
410	16	NR	540	766	NR	670	261	NR	800	6	NR	930	0	NR
415	32	NR	545	791	NR	675	228	NR	805	5	NR	935	0	NR
420	65	NR	550	813	NR	680	200	NR	810	5	NR	940	0	NR
425	131	NR	555	833	NR	685	173	NR	815	4	NR	945	0	NR
430	245	NR	560	852	NR	690	151	NR	820	3	NR	950	0	NR
435	432	NR	565	870	NR	695	130	NR	825	3	NR	955	0	NR
440	622	NR	570	885	NR	700	112	NR	830	3	NR	960	0	NR
445	870	NR	575	900	NR	705	97	NR	835	2	NR	965	0	NR
450	969	NR	580	911	NR	710	83	NR	840	2	NR	970	0	NR
455	544	NR	585	916	NR	715	71	NR	845	2	NR	975	0	NR
460	304	NR	590	912	NR	720	60	NR	850	1	NR	980	0	NR
465	231	NR	595	901	NR	725	51	NR	855	1	NR	985	0	NR
470	142	NR	600	882	NR	730	43	NR	860	1	NR	990	0	NR
475	96	NR	605	855	NR	735	37	NR	865	1	NR	995	0	NR
480	92	NR	610	820	NR	740	32	NR	870	1	NR	1000	0	NR
485	96	NR	615	776	NR	745	29	NR	875	1	NR			

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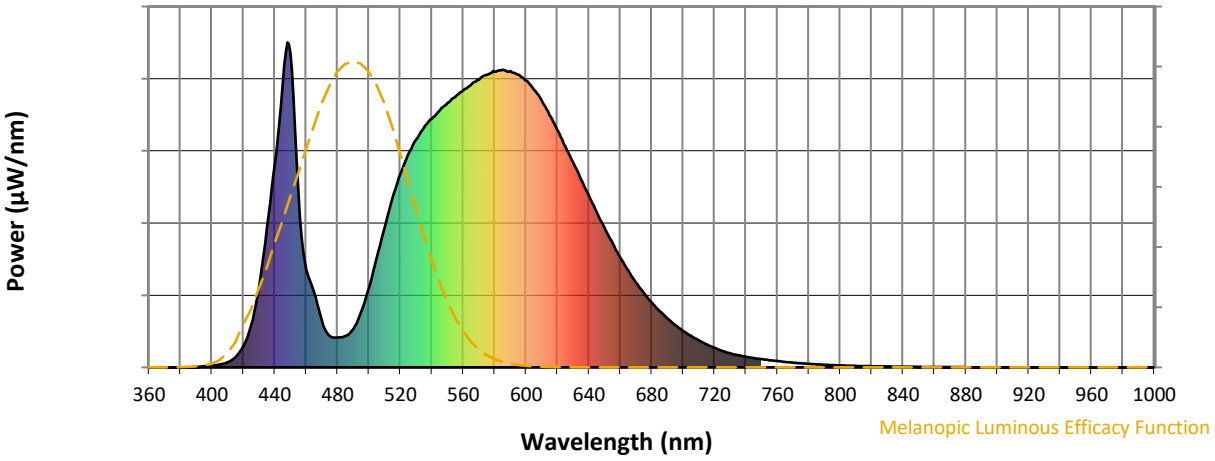
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.72**

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	118	NR	620	730	NR	750	25	NR	880	1	NR
365	0	NR	495	170	NR	625	680	NR	755	22	NR	885	0	NR
370	0	NR	500	245	NR	630	630	NR	760	19	NR	890	0	NR
375	0	NR	505	338	NR	635	579	NR	765	17	NR	895	0	NR
380	0	NR	510	431	NR	640	529	NR	770	14	NR	900	0	NR
385	0	NR	515	521	NR	645	477	NR	775	13	NR	905	0	NR
390	1	NR	520	596	NR	650	429	NR	780	11	NR	910	0	NR
395	3	NR	525	655	NR	655	383	NR	785	9	NR	915	0	NR
400	6	NR	530	701	NR	660	338	NR	790	8	NR	920	0	NR
405	9	NR	535	739	NR	665	298	NR	795	7	NR	925	0	NR
410	16	NR	540	766	NR	670	261	NR	800	6	NR	930	0	NR
415	32	NR	545	791	NR	675	228	NR	805	5	NR	935	0	NR
420	65	NR	550	813	NR	680	200	NR	810	5	NR	940	0	NR
425	131	NR	555	833	NR	685	173	NR	815	4	NR	945	0	NR
430	245	NR	560	852	NR	690	151	NR	820	3	NR	950	0	NR
435	432	NR	565	870	NR	695	130	NR	825	3	NR	955	0	NR
440	622	NR	570	885	NR	700	112	NR	830	3	NR	960	0	NR
445	870	NR	575	900	NR	705	97	NR	835	2	NR	965	0	NR
450	969	NR	580	911	NR	710	83	NR	840	2	NR	970	0	NR
455	544	NR	585	916	NR	715	71	NR	845	2	NR	975	0	NR
460	304	NR	590	912	NR	720	60	NR	850	1	NR	980	0	NR
465	231	NR	595	901	NR	725	51	NR	855	1	NR	985	0	NR
470	142	NR	600	882	NR	730	43	NR	860	1	NR	990	0	NR
475	96	NR	605	855	NR	735	37	NR	865	1	NR	995	0	NR
480	92	NR	610	820	NR	740	32	NR	870	1	NR	1000	0	NR
485	96	NR	615	776	NR	745	29	NR	875	1	NR			

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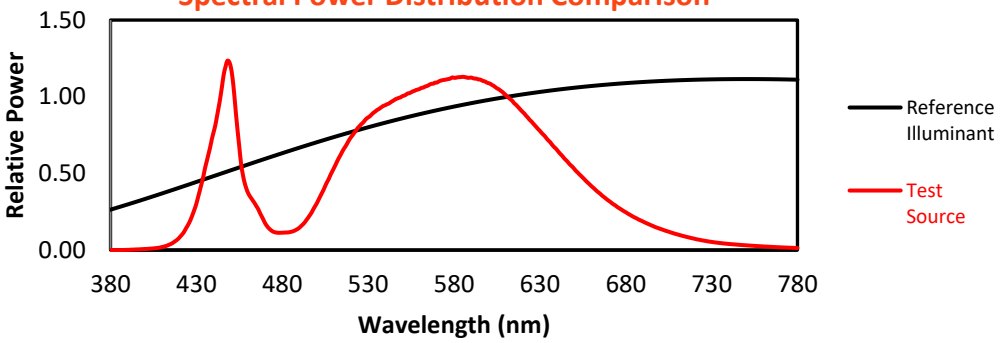
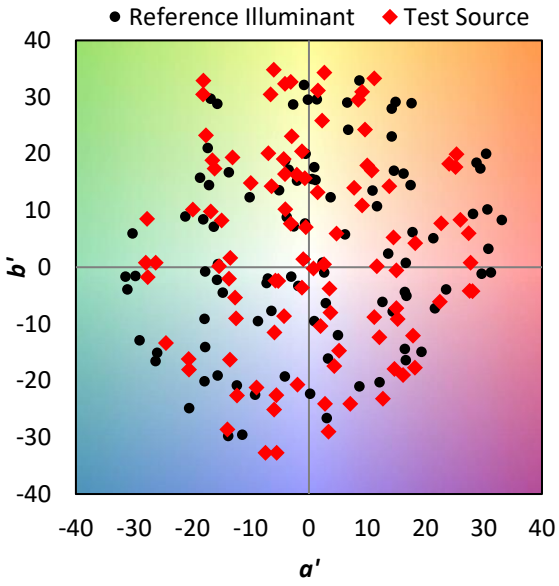
Summary

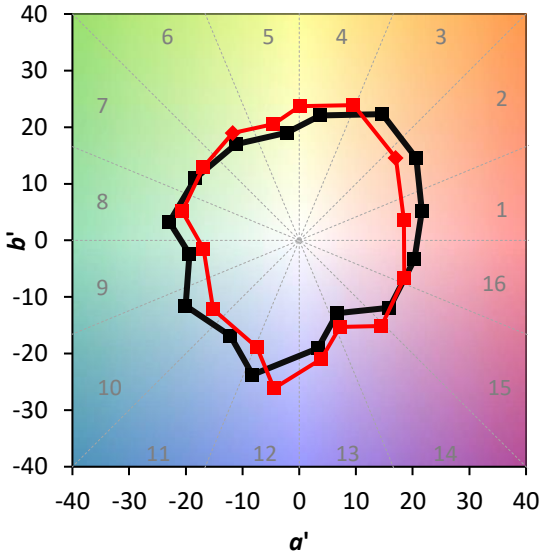
R_f = 74.7
R_g = 95.4
CIE R_a = 71.9
R_9 = -23.5

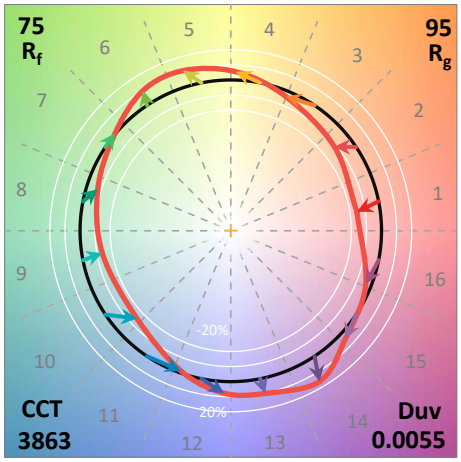
Spectral Power Distribution Comparison

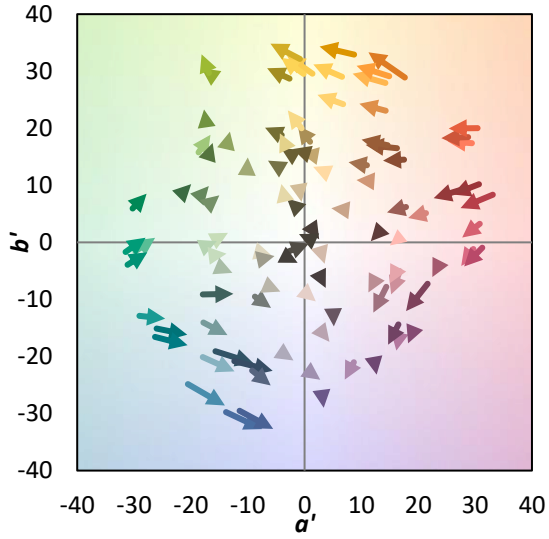


Color Vector Graphics









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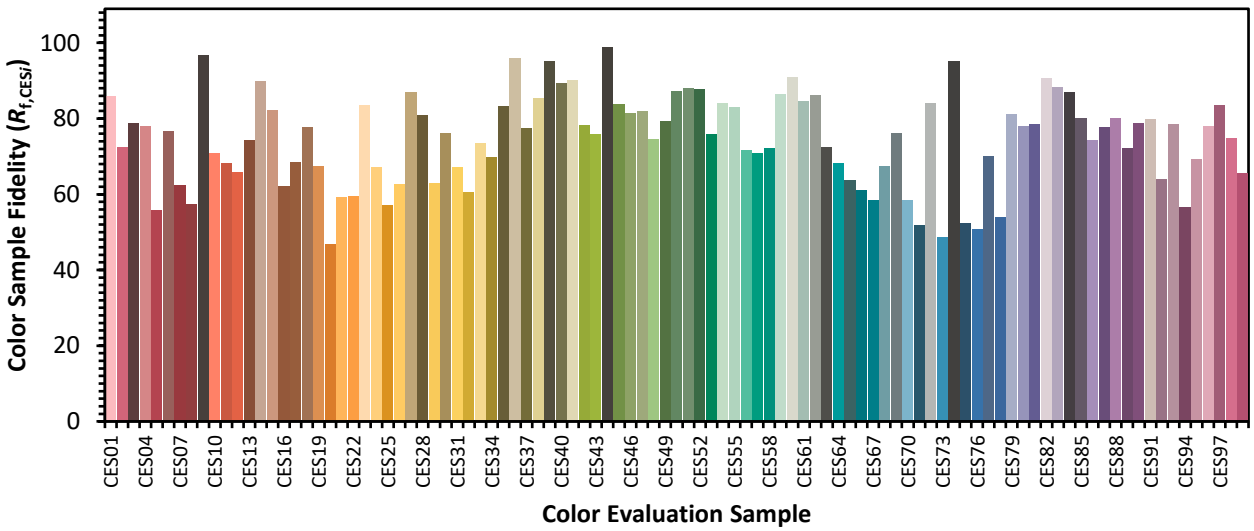
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 63	CES51 = 88	CES76 = 51
CES02 = 61	CES27 = 87	CES52 = 88	CES77 = 70
CES03 = 30	CES28 = 81	CES53 = 76	CES78 = 54
CES04 = 70	CES29 = 63	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 76	CES55 = 83	CES80 = 78
CES06 = 50	CES31 = 67	CES56 = 72	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 71	CES82 = 91
CES08 = 39	CES33 = 73	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 70	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 83	CES60 = 91	CES85 = 80
CES11 = 57	CES36 = 96	CES61 = 85	CES86 = 74
CES12 = 63	CES37 = 77	CES62 = 86	CES87 = 78
CES13 = 42	CES38 = 85	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 95	CES64 = 68	CES89 = 72
CES15 = 71	CES40 = 89	CES65 = 64	CES90 = 79
CES16 = 46	CES41 = 90	CES66 = 61	CES91 = 80
CES17 = 49	CES42 = 78	CES67 = 58	CES92 = 64
CES18 = 56	CES43 = 76	CES68 = 67	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 76	CES94 = 57
CES20 = 65	CES45 = 84	CES70 = 58	CES95 = 69
CES21 = 86	CES46 = 81	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 82	CES72 = 84	CES97 = 84
CES23 = 92	CES48 = 75	CES73 = 49	CES98 = 75
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 66
CES25 = 72	CES50 = 87	CES75 = 52	



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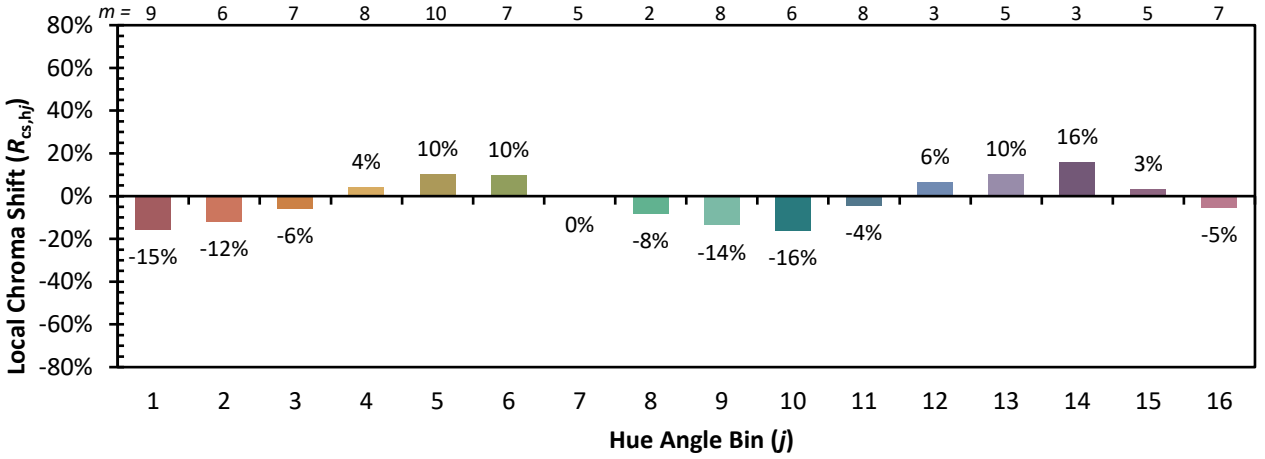
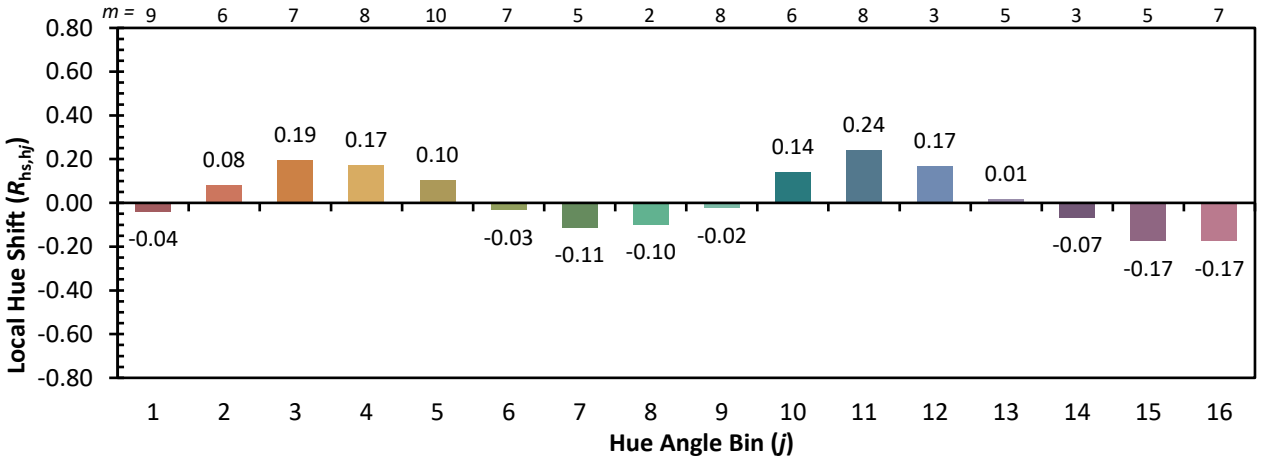
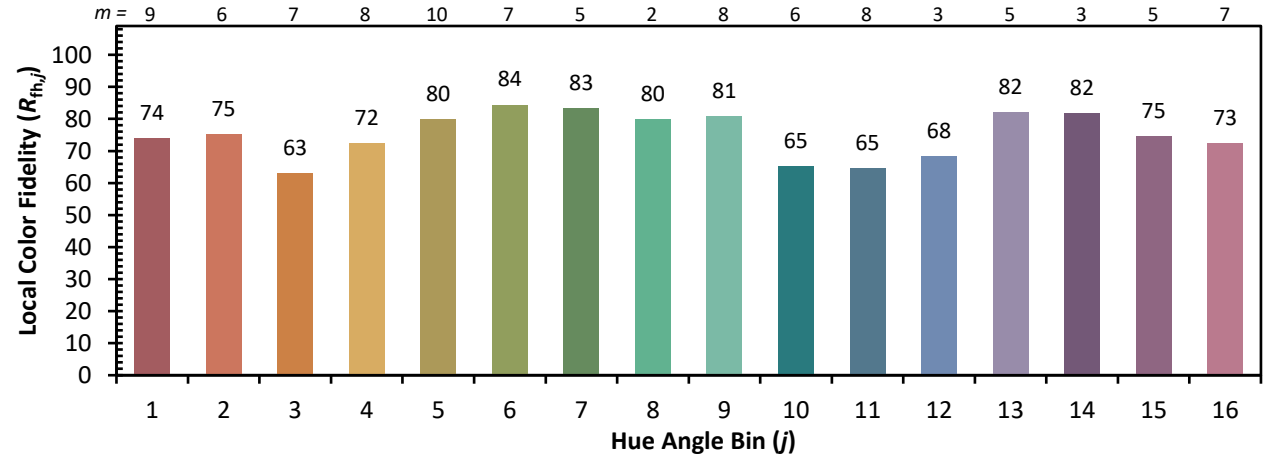
Color Rendition by Hue-Angle Bin







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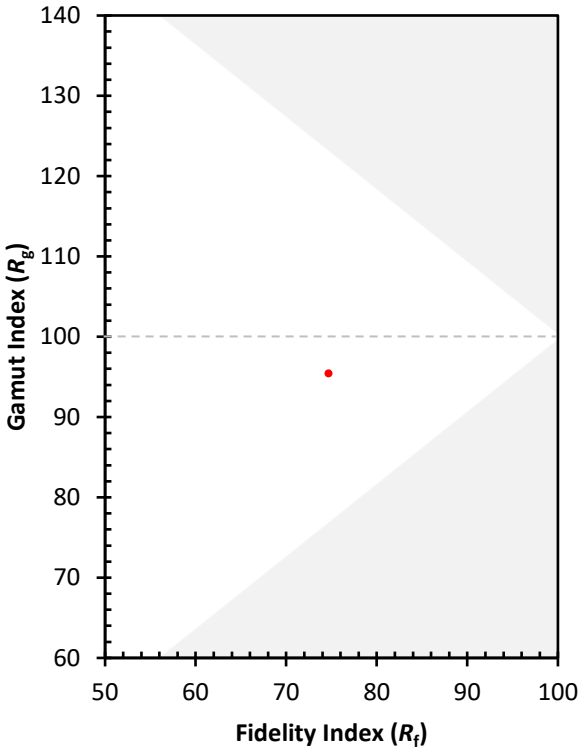
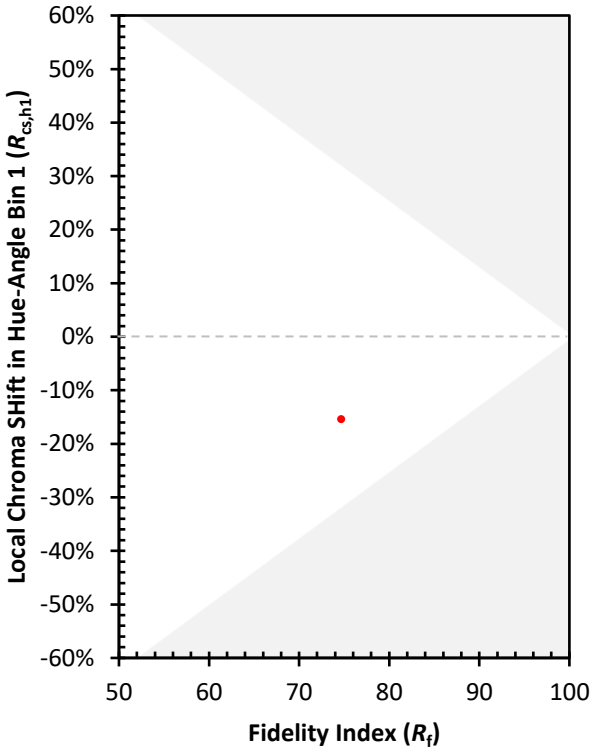
Measure Comparisons





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