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: LUMARK

Report Number: P980940

Luminaire Tested: **NFFLD-L-C150-7022-66**

Issue Date: 04/10/2025

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:	P980940
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C150-7022-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 320W 70CRI 2200K LED FIXTURE NEMA 6
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	42149.5 lumens
Efficiency:	N/A
Efficacy:	130.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B5 - U0 - G2

Input Watts (W):	324.1
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.79%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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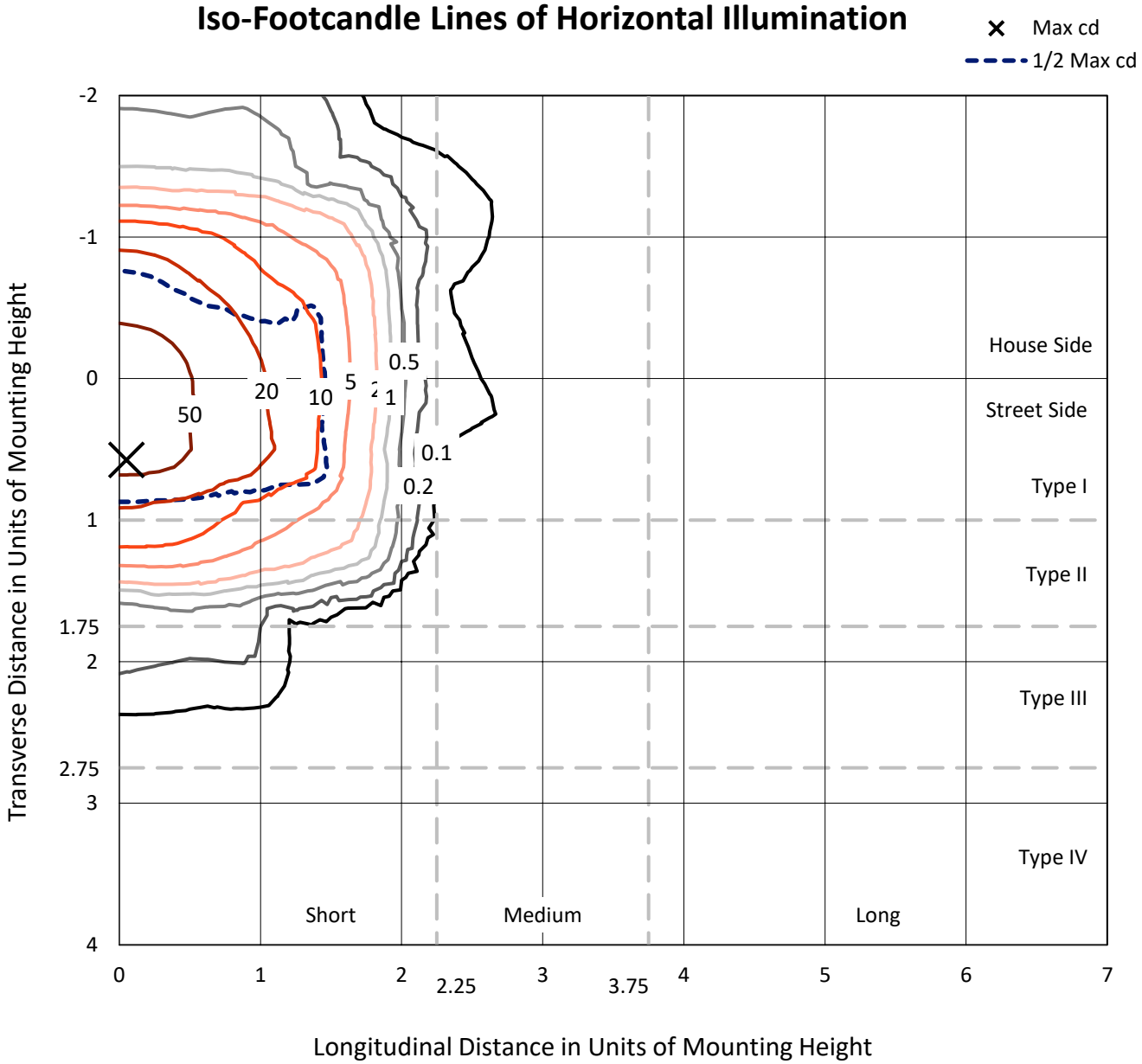
REPORT NUMBER: P980940
CATALOG NUMBER: NFFLD-L-C150-7022-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 78.3 fc
Type I - Short - N/A

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REPORT NUMBER: P980940
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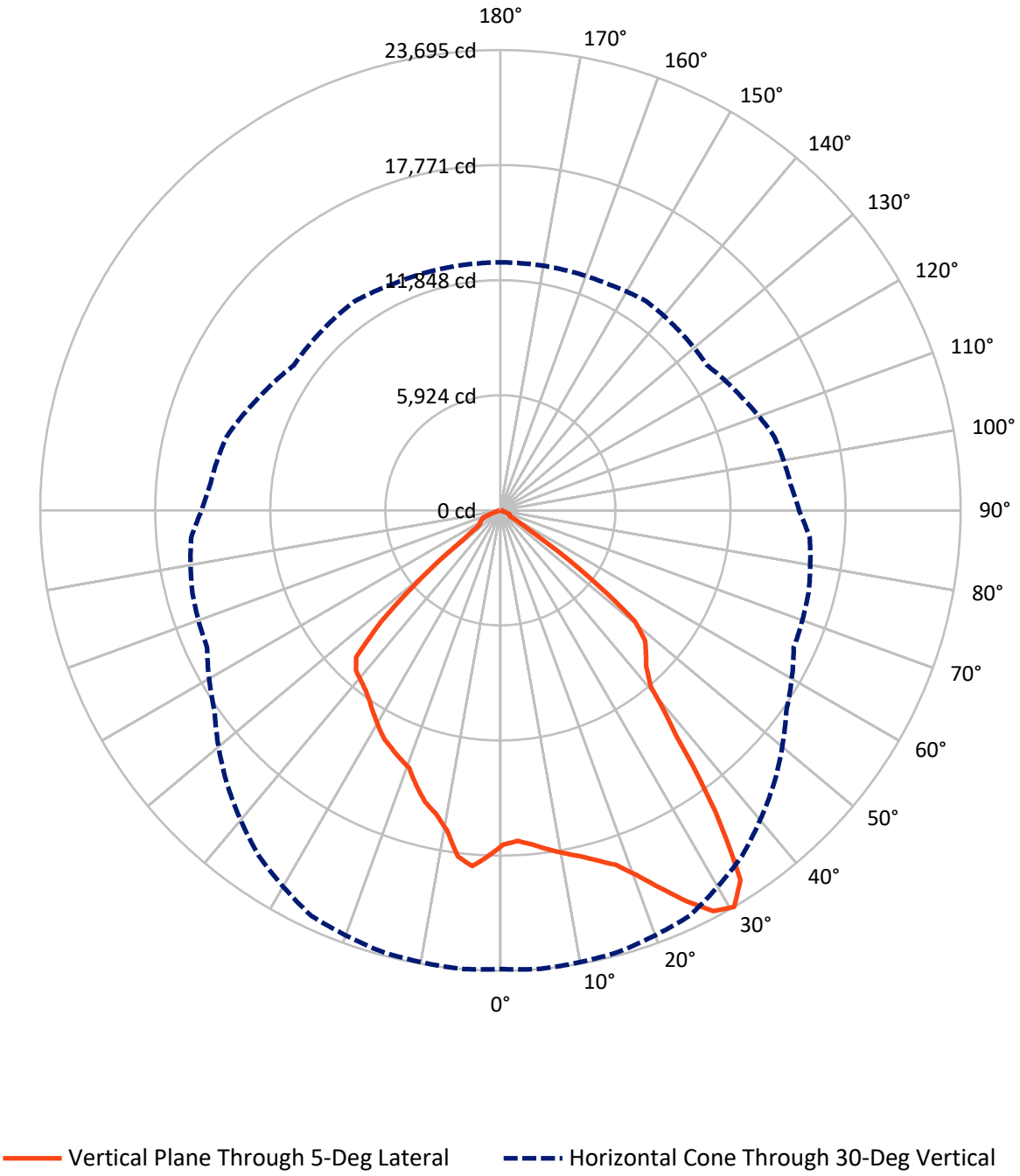
Luminous Intensity Polar Plot



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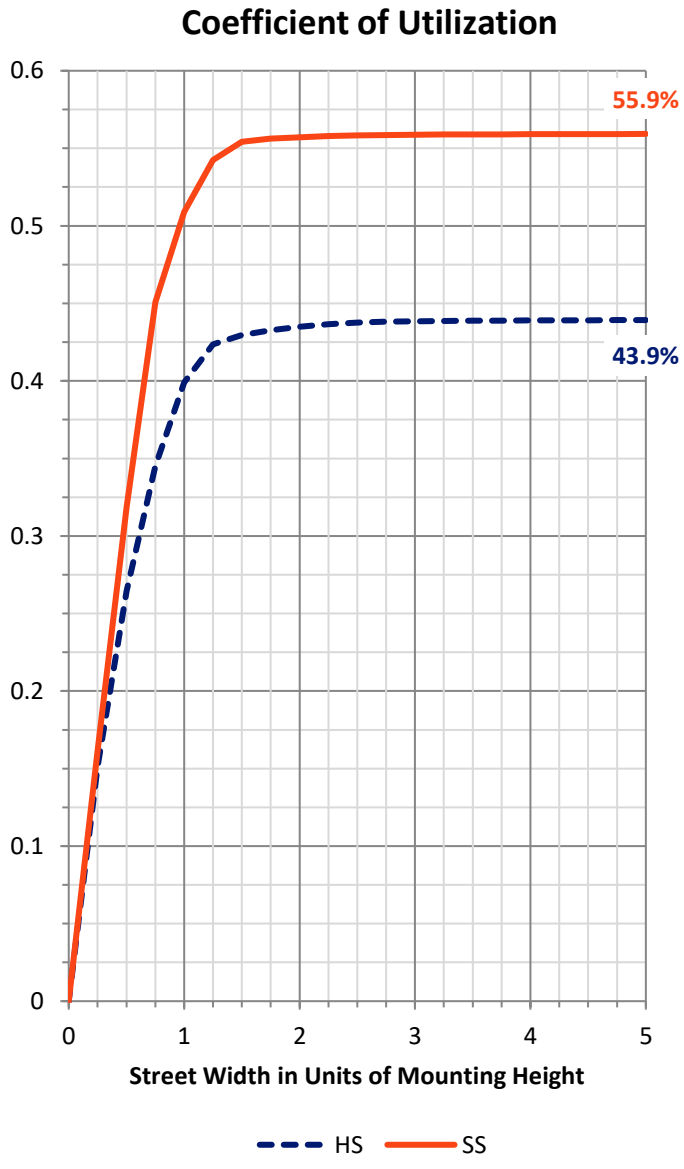
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18642.3	0.0	18642.3
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	23507.2	0.0	23507.2
	% Fixture	55.8	0.0	55.8
Total	Lumens	42149.5	0.0	42149.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1682.9	4.0
10°-20°	4875.2	11.6
20°-30°	7769.1	18.4
30°-40°	9712.7	23.0
40°-50°	9531.4	22.6
50°-60°	6814.4	16.2
60°-70°	1507.7	3.6
70°-80°	231.6	0.5
80°-90°	24.5	0.1
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°	42149.5	100.0
0°-180°	42149.5	100.0



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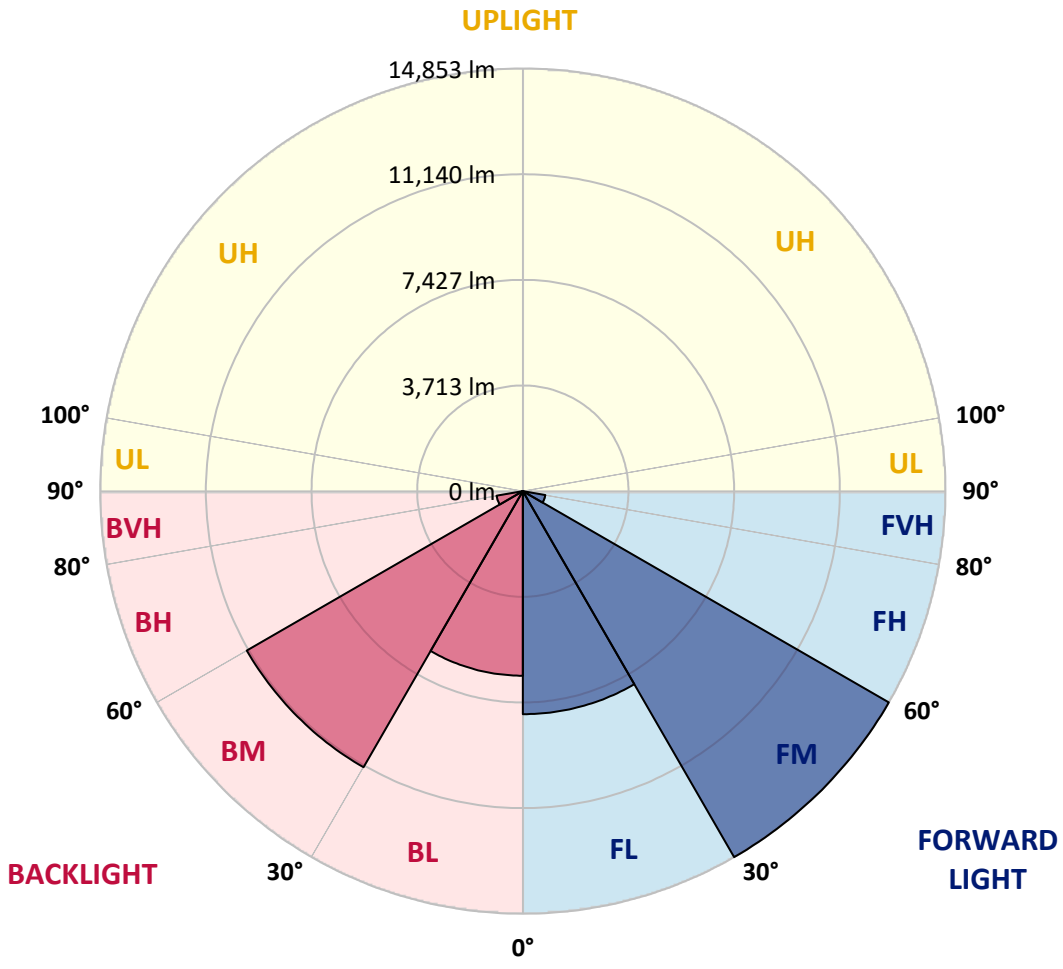
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	7839.4	18.6			
FM	(30°-60°)	14853.5	35.2			
FH	(60°-80°)	801.9	1.9			G1/1800
FVH	(80°-90°)	12.4	0.0			G1/100
BL	(0°-30°)	6487.9	15.4	B5		
BM	(30°-60°)	11204.9	26.6	B5		
BH	(60°-80°)	937.4	2.2	B2/1000		G2/1000
BVH	(80°-90°)	12.1	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
Type I Short



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REPORT NUMBER: P980940
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9
2.5°	17011.4	17038.9	17066.4	17107.7	17162.7	17190.2	17162.7	17135.2	17121.4	17148.9	17162.7
5°	17245.2	17286.5	17300.2	17327.7	17355.2	17327.7	17314.0	17286.5	17272.7	17286.5	17327.7
7.5°	17589.0	17616.5	17602.8	17589.0	17575.3	17479.0	17382.7	17341.5	17341.5	17382.7	17492.7
10°	17891.6	17946.6	17877.8	17822.8	17726.5	17575.3	17410.2	17314.0	17341.5	17424.0	17561.5
12.5°	18276.6	18276.6	18207.9	18152.8	17932.8	17754.0	17534.0	17382.7	17382.7	17534.0	17685.3
15°	18744.2	18702.9	18675.4	18524.2	18262.9	17974.1	17699.0	17479.0	17437.7	17671.5	17767.8
17.5°	19335.5	19184.3	19115.5	18854.2	18496.7	18125.3	17754.0	17575.3	17451.5	17699.0	17589.0
20°	20146.9	20036.9	19816.9	19404.3	18675.4	18194.1	17754.0	17520.2	17424.0	17561.5	17451.5
22.5°	21192.1	21123.3	20628.2	20105.7	19143.0	18249.1	17685.3	17369.0	17341.5	17272.7	17038.9
25°	22471.0	22292.2	21783.4	21040.8	19844.4	18785.4	17671.5	17093.9	16997.7	16818.9	16406.3
27.5°	23557.4	23364.9	22746.1	22086.0	20807.0	19583.1	17781.5	16763.9	16653.9	16530.1	16021.3
30°	23612.5	23695.0	23529.9	23034.9	21700.9	19913.1	17974.1	16667.6	16420.1	15980.0	15374.9
32.5°	22498.5	22691.1	23089.9	23268.6	22374.8	20311.9	18139.1	16708.9	16255.0	15196.1	14701.1
35°	18689.2	19074.2	20710.7	22251.0	22567.3	20889.5	18276.6	16708.9	16200.0	14632.3	14247.2
37.5°	14357.3	14673.6	16062.5	18854.2	21714.7	21247.1	18579.2	16612.6	16131.3	14673.6	14151.0
40°	11730.6	11909.4	12514.5	14412.3	18716.7	20655.7	18881.7	16722.6	15925.0	14701.1	14206.0
42.5°	11015.5	11001.7	10878.0	11579.3	14274.7	18923.0	19088.0	16997.7	15581.2	14522.3	14109.7
45°	10534.2	10506.6	10396.6	10534.2	11290.5	15484.9	18936.7	17492.7	15154.9	13889.7	13614.6
47.5°	10011.6	10025.3	9984.1	10039.1	9901.6	11758.1	18084.1	17699.0	14426.0	12830.8	12734.5
50°	8760.1	8966.4	9516.5	9571.5	9213.9	9489.0	15484.9	17602.8	13903.4	12528.2	12445.7
52.5°	5445.9	5775.9	7398.7	8773.9	8567.6	8567.6	11813.1	17740.3	12968.3	12418.2	12473.2
55°	1925.3	2172.8	3960.6	6037.2	7673.7	7825.0	9337.7	15787.5	12858.3	12610.7	12665.7
57.5°	481.3	591.3	1210.2	2612.9	5170.8	7096.1	8347.6	13037.0	9764.0	9420.2	9557.7
60°	563.8	550.1	756.4	838.9	2007.8	5610.9	7522.4	8801.4	6298.5	5899.7	5968.4
62.5°	605.1	563.8	591.3	742.6	330.1	2750.4	5995.9	5239.6	2599.2	1925.3	2035.3
65°	536.3	508.8	467.6	687.6	233.8	508.8	3534.3	1540.2	371.3	591.3	536.3
67.5°	357.6	371.3	385.1	550.1	220.0	220.0	467.6	385.1	261.3	536.3	467.6
70°	206.3	220.0	261.3	330.1	220.0	178.8	206.3	316.3	220.0	536.3	467.6
72.5°	123.8	123.8	123.8	137.5	220.0	151.3	137.5	261.3	192.5	495.1	467.6
75°	96.3	96.3	96.3	82.5	192.5	96.3	96.3	206.3	165.0	357.6	357.6
77.5°	82.5	82.5	82.5	68.8	110.0	82.5	82.5	151.3	151.3	178.8	206.3
80°	55.0	55.0	55.0	55.0	68.8	68.8	55.0	82.5	68.8	82.5	96.3
82.5°	27.5	41.3	41.3	27.5	41.3	41.3	41.3	55.0	41.3	55.0	55.0
85°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	27.5	13.8	13.8	27.5
87.5°	0.0	0.0	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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Scaled Data Report

REPORT NUMBER: P980940
CATALOG NUMBER: NFFLD-L-C150-7022-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9	17203.9
2.5°	17190.2	17259.0	17355.2	17506.5	17561.5	17657.8	17740.3	17809.0	17809.0	17781.5
5°	17410.2	17602.8	17864.1	18097.8	18180.4	18276.6	18317.9	18386.6	18372.9	18359.1
7.5°	17602.8	17905.3	18180.4	18345.4	18317.9	18194.1	18111.6	18001.6	17960.3	17987.8
10°	17754.0	18029.1	18152.8	18042.8	17712.8	17424.0	17052.7	16805.1	16681.4	16722.6
12.5°	17809.0	17905.3	17795.3	17190.2	16777.6	16502.6	16200.0	16035.0	15966.3	15980.0
15°	17822.8	17602.8	16997.7	16543.8	16241.3	15897.5	15650.0	15498.7	15498.7	15512.4
17.5°	17534.0	16997.7	16475.1	16131.3	15705.0	15347.4	15209.9	15154.9	14811.1	14866.1
20°	17272.7	16502.6	16213.8	15677.5	15168.6	14934.8	14137.2	14054.7	14068.5	14082.2
22.5°	16722.6	16145.0	15883.7	15182.4	14604.8	13958.4	13848.4	13765.9	13779.7	13779.7
25°	15966.3	15636.2	15278.6	14549.8	13848.4	13724.7	13642.1	13532.1	13477.1	13490.9
27.5°	15539.9	15127.4	14467.3	13848.4	13394.6	13449.6	13353.3	13188.3	13188.3	13202.1
30°	*15003.6*	*14604.8*	*13724.7*	*12995.8*	*13037.0*	*13119.6*	*12885.8*	*12803.3*	*12762.0*	*12762.0*
32.5°	14343.5	13793.4	13023.3	12335.7	12583.2	12555.7	12266.9	12294.4	12321.9	12294.4
35°	13848.4	13133.3	12487.0	12115.6	12019.4	11909.4	11758.1	11854.4	11895.6	11868.1
37.5°	13724.7	12872.0	12198.2	11936.9	11565.6	11359.3	11400.5	11496.8	11551.8	11538.1
40°	13683.4	12610.7	11950.6	11675.6	11180.5	11001.7	11056.7	11249.3	11318.0	11304.3
42.5°	13628.4	12431.9	11799.4	11469.3	10781.7	10657.9	10919.2	11098.0	11111.7	11098.0
45°	13339.6	12239.4	11703.1	11043.0	10176.6	10327.9	10657.9	10754.2	10589.2	10520.4
47.5°	12665.7	11881.9	11414.3	10520.4	9681.5	9970.3	10011.6	8966.4	8361.3	8223.8
50°	12473.2	11895.6	11084.2	9901.6	9379.0	9667.8	7866.2	6009.7	5253.3	5102.1
52.5°	12418.2	11758.1	11208.0	9255.2	9269.0	8155.0	4964.5	2943.0	2365.4	2255.4
55°	12555.7	12363.2	11414.3	8870.1	8622.6	5308.3	2310.4	1389.0	1430.2	1389.0
57.5°	9475.2	10341.6	11661.8	8265.0	6298.5	2557.9	1457.7	1347.7	1251.4	1223.9
60°	5913.4	6738.6	8540.1	7109.9	3231.8	1526.5	1485.2	1251.4	1210.2	1196.4
62.5°	1952.8	2998.0	4895.8	4675.7	893.9	1512.7	1499.0	1113.9	1113.9	1113.9
65°	495.1	508.8	1347.7	1609.0	660.1	1347.7	1430.2	1045.2	1017.7	1058.9
67.5°	426.3	385.1	715.1	632.6	550.1	935.1	1251.4	1003.9	948.9	948.9
70°	426.3	453.8	701.4	591.3	343.8	508.8	907.6	618.8	550.1	508.8
72.5°	398.8	440.1	618.8	536.3	233.8	247.5	398.8	206.3	192.5	165.0
75°	343.8	357.6	481.3	481.3	247.5	123.8	165.0	137.5	137.5	123.8
77.5°	233.8	178.8	275.0	343.8	178.8	82.5	68.8	68.8	68.8	55.0
80°	123.8	68.8	68.8	55.0	68.8	68.8	41.3	55.0	55.0	41.3
82.5°	68.8	41.3	41.3	27.5	27.5	41.3	27.5	27.5	27.5	27.5
85°	27.5	27.5	13.8	13.8	13.8	27.5	13.8	13.8	13.8	13.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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

Lumark

Report Number: SP1-2501-319-8

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7022-66

Data in this report applies to families of products including NFFLD-C55-7022-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

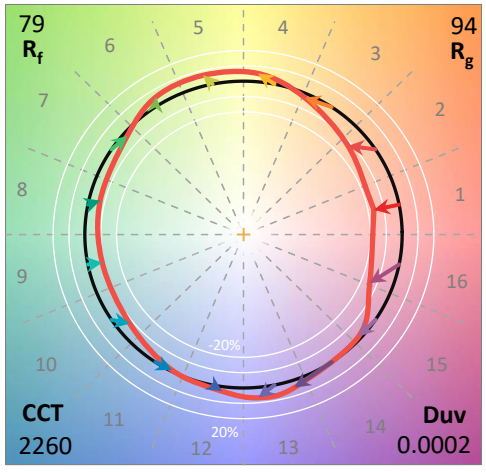
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	02/06/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Lumark
Catalog Number:	**NFFLD-C55-7022-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	2260	CRI (Ra):	72.8		
CIE u':	0.2861	R1:	70.2	R9:	-28.5
CIE v':	0.5354	R2:	88.0	R10:	76.1
Duv:	0.0002	R3:	89.4	R11:	65.3
CIE x:	0.5000	R4:	67.3	R12:	73.8
CIE y:	0.4158	R5:	70.5	R13:	73.9
CIE z:	0.0842	R6:	87.8	R14:	94.5
Peak Wavelength (nm):	604	R7:	71.9	R15:	60.0
Dominant Wavelength (nm):	586	R8:	36.8		
Purity:	74.90898				

Rf:	78.7
Rg:	93.7



Test Conditions

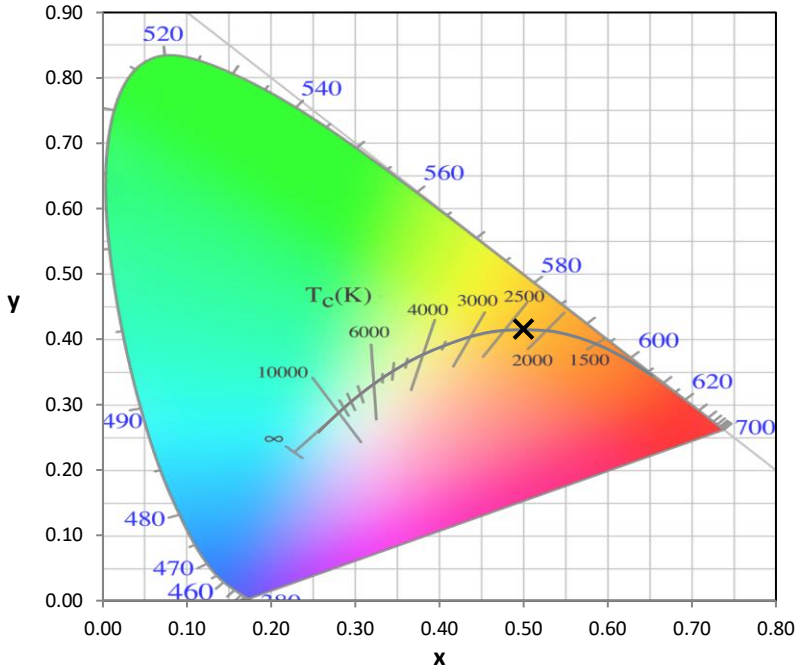
Stabilization Time:	59M
Operation Time:	1H 59M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-8

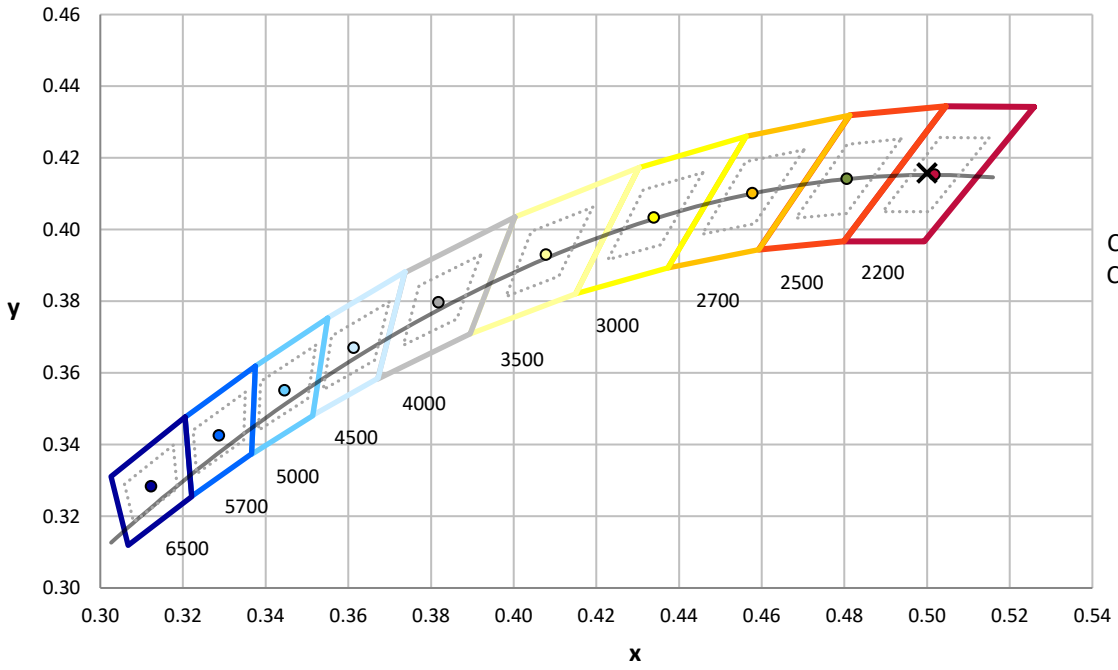
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-319-8

CIE 1931 Chromaticity Diagram



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

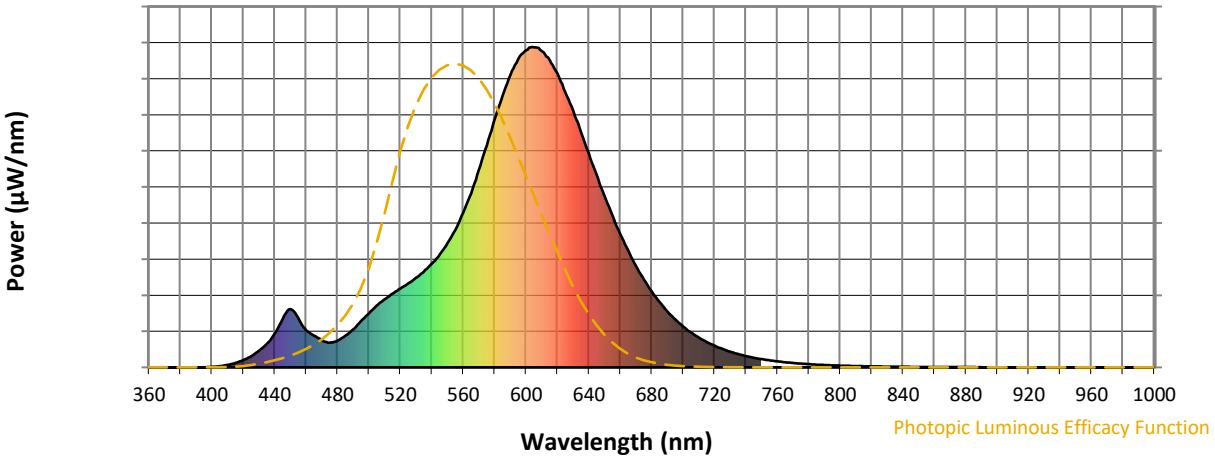


CCT = 2260K
CIE x = 0.5000
CIE y = 0.4158
Duv = 0.0002

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-8

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	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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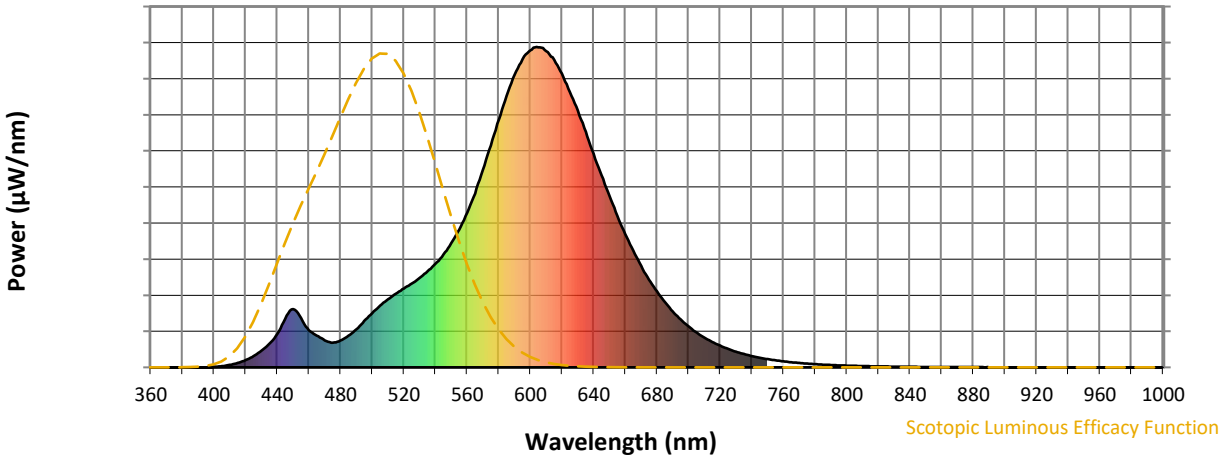
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.95**

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	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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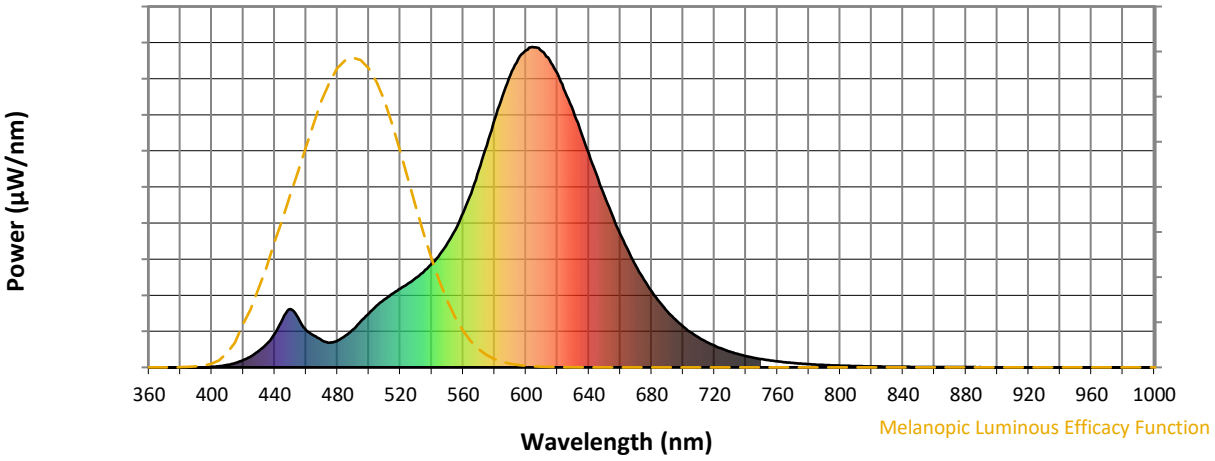
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.64**

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	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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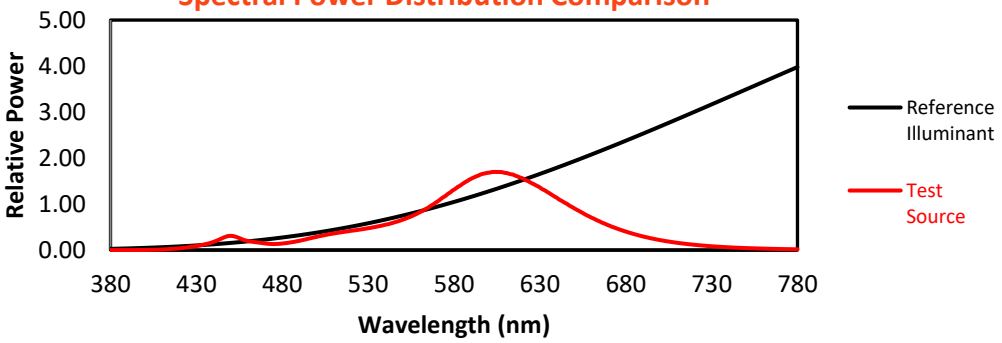
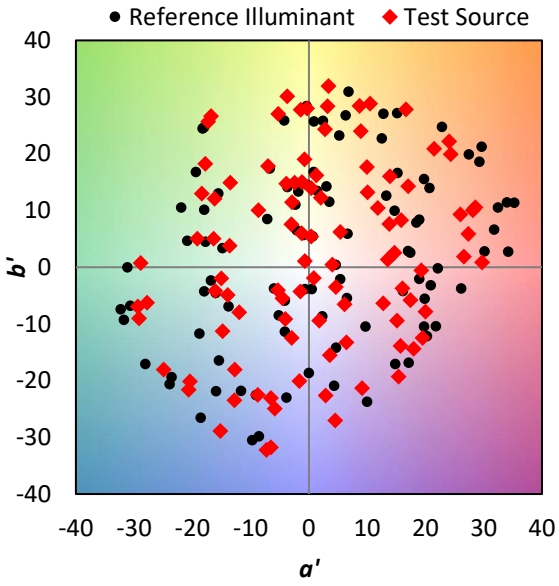
Summary

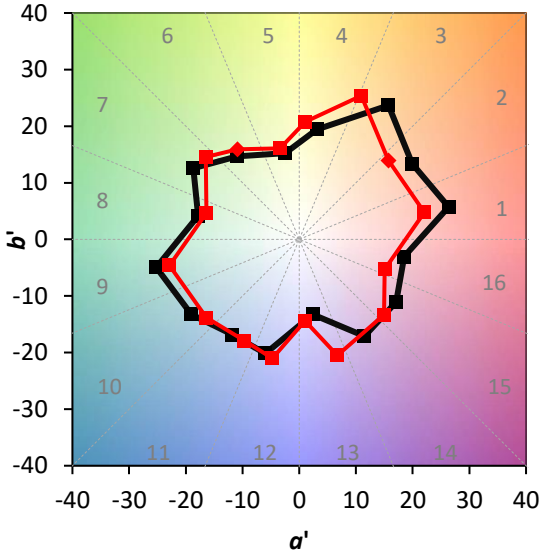
R_f = 78.7
R_g = 93.7
CIE R_a = 72.8
R_9 = -28.5

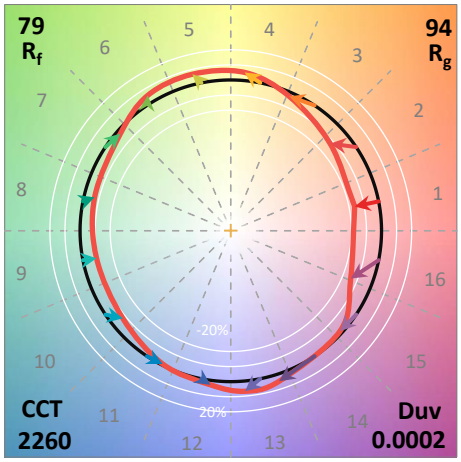
Spectral Power Distribution Comparison

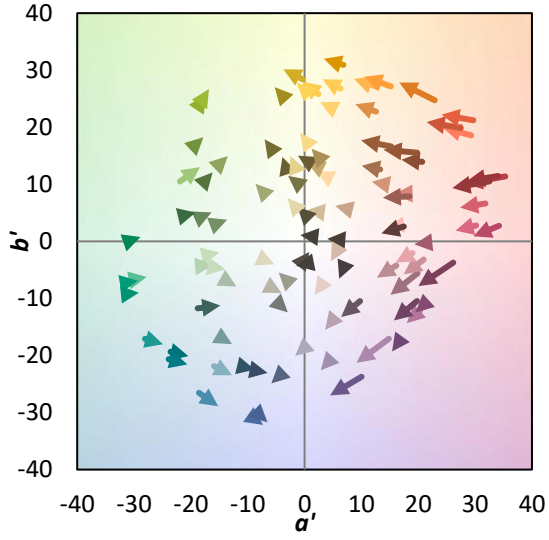


Color Vector Graphics









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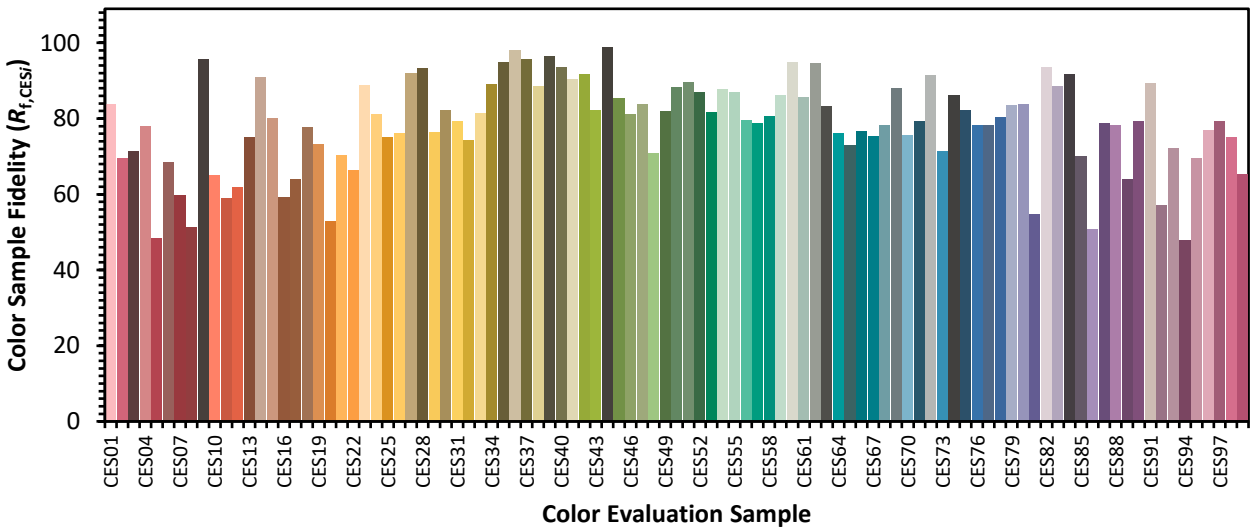
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 78
CES02 = 65	CES27 = 92	CES52 = 87	CES77 = 78
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 80
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 84
CES05 = 51	CES30 = 82	CES55 = 87	CES80 = 84
CES06 = 52	CES31 = 79	CES56 = 80	CES81 = 55
CES07 = 44	CES32 = 74	CES57 = 79	CES82 = 94
CES08 = 42	CES33 = 81	CES58 = 81	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 86	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 70
CES11 = 61	CES36 = 98	CES61 = 86	CES86 = 51
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 79
CES13 = 45	CES38 = 89	CES63 = 83	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 76	CES89 = 64
CES15 = 72	CES40 = 94	CES65 = 73	CES90 = 79
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 89
CES17 = 51	CES42 = 92	CES67 = 75	CES92 = 57
CES18 = 57	CES43 = 82	CES68 = 78	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 79	CES96 = 77
CES22 = 81	CES47 = 84	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 86	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 82	



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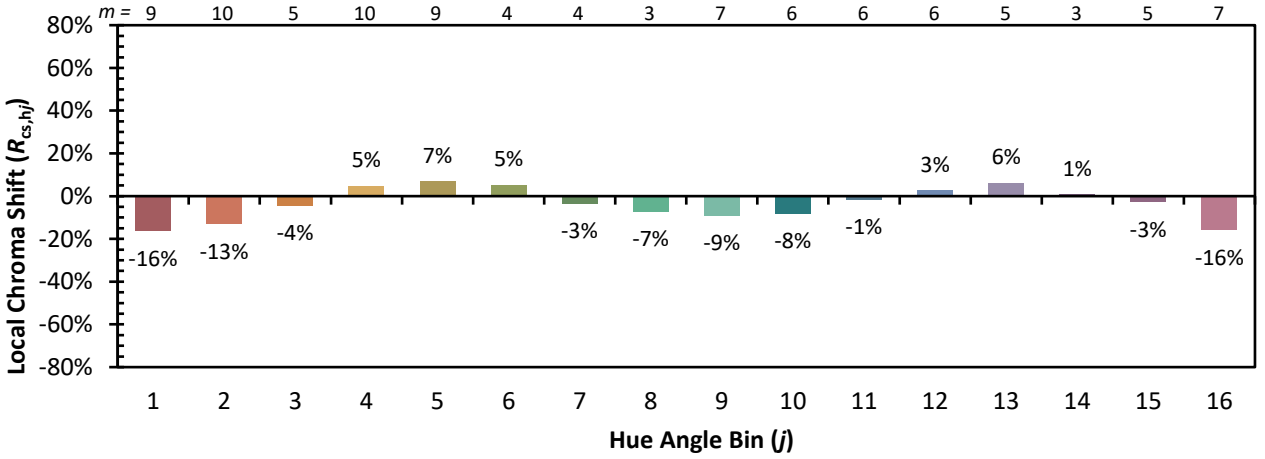
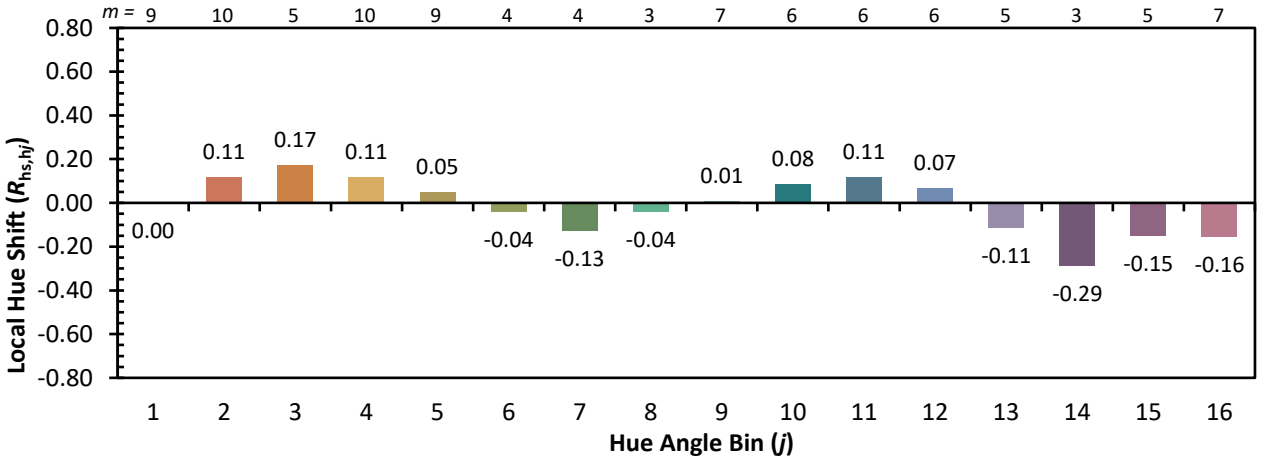
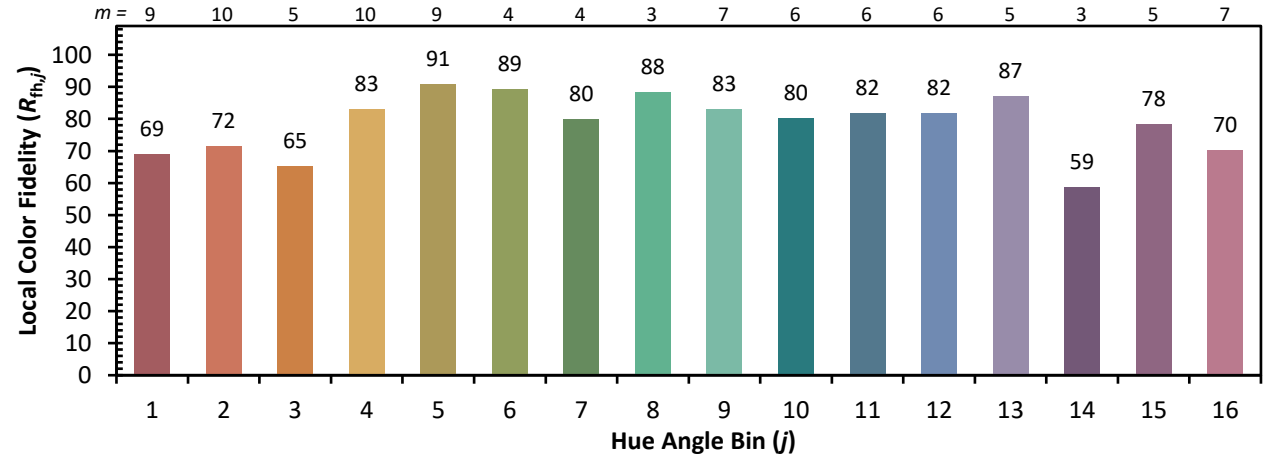
Color Rendition by Hue-Angle Bin







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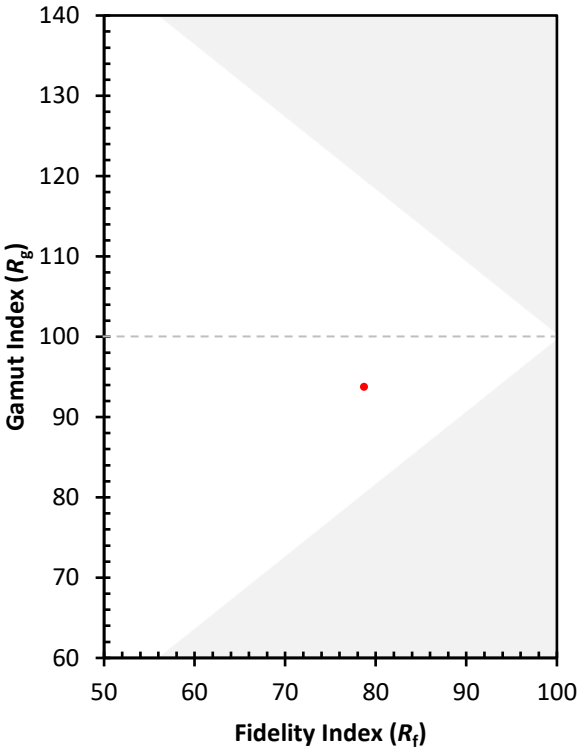
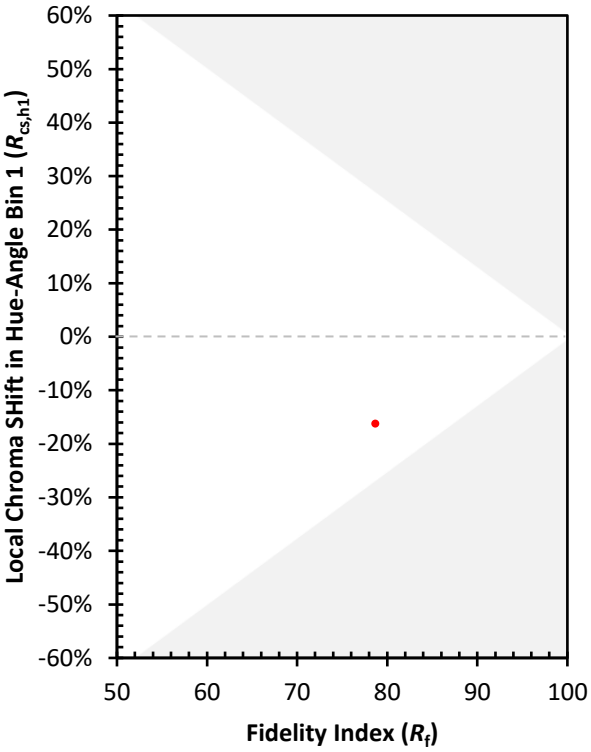
Measure Comparisons





(END OF REPORT)