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: P980938

Luminaire Tested: **NFFLD-L-C100-7022-66**

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:	P980938
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C100-7022-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 250W 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:	35208.7 lumens
Efficiency:	N/A
Efficacy:	139.2 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):	253
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	3.35%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P980938
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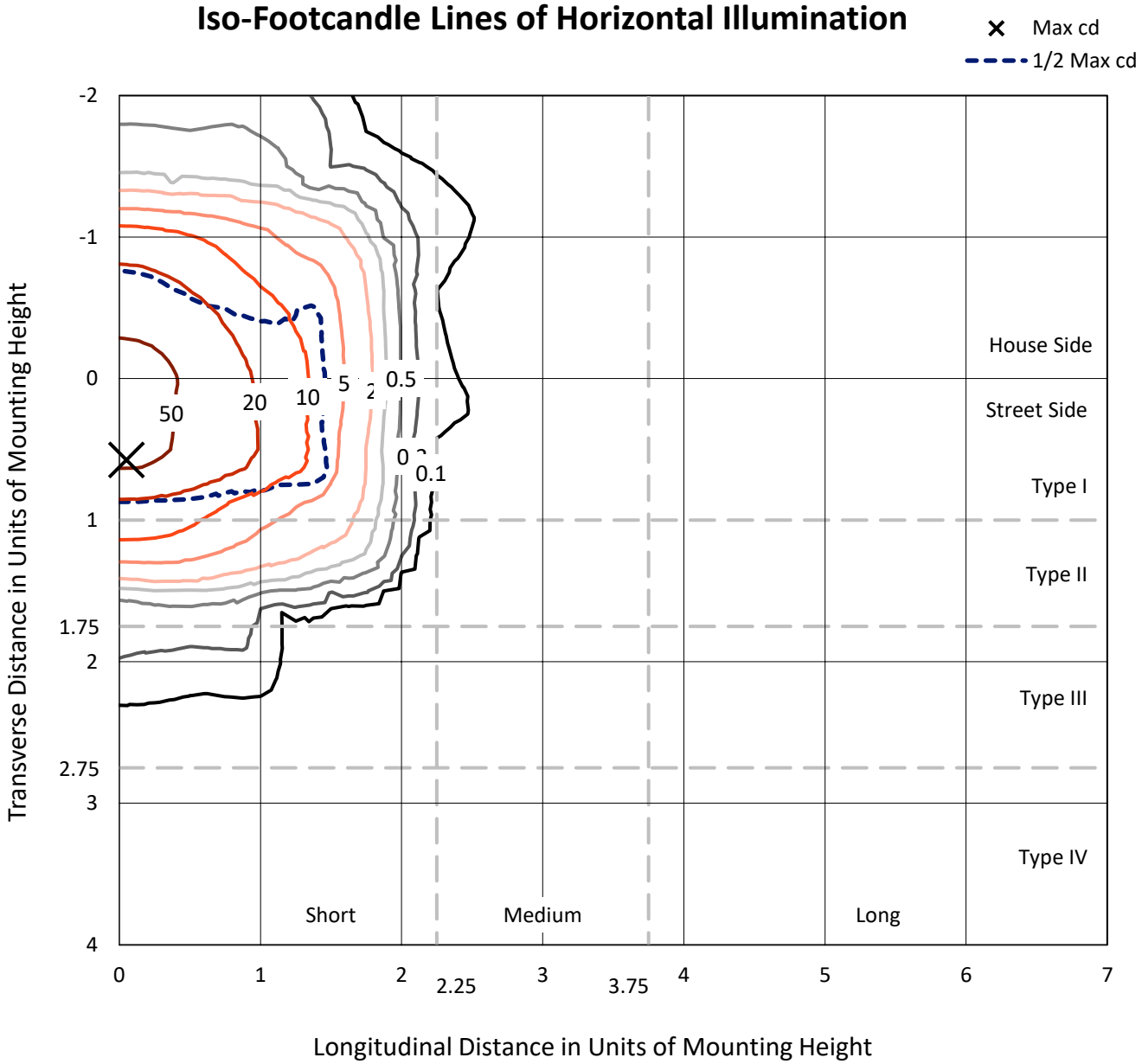
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 65.4 fc
Type I - Short - N/A

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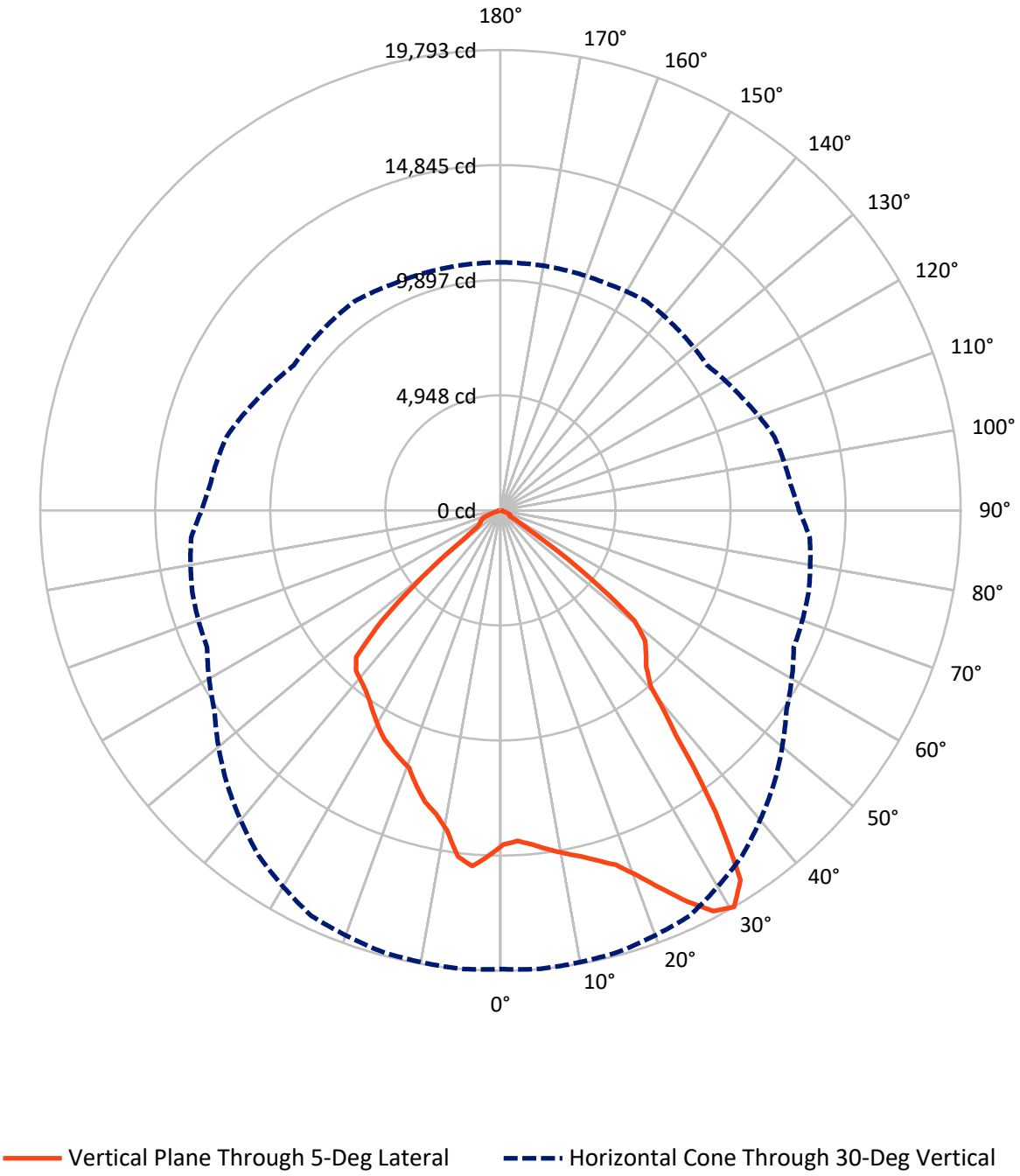
Luminous Intensity Polar Plot



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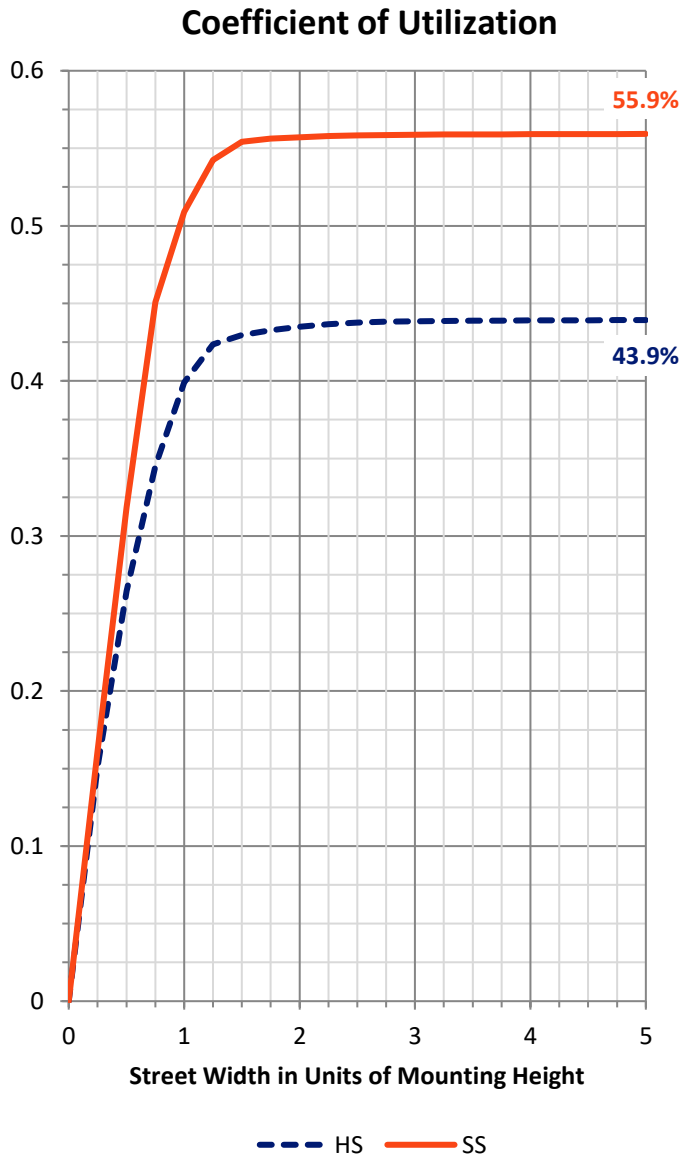
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15572.5	0.0	15572.5
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	19636.2	0.0	19636.2
	% Fixture	55.8	0.0	55.8
Total	Lumens	35208.7	0.0	35208.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1405.8	4.0
10°-20°	4072.4	11.6
20°-30°	6489.8	18.4
30°-40°	8113.3	23.0
40°-50°	7961.8	22.6
50°-60°	5692.2	16.2
60°-70°	1259.4	3.6
70°-80°	193.5	0.5
80°-90°	20.5	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°	35208.7	100.0
0°-180°	35208.7	100.0



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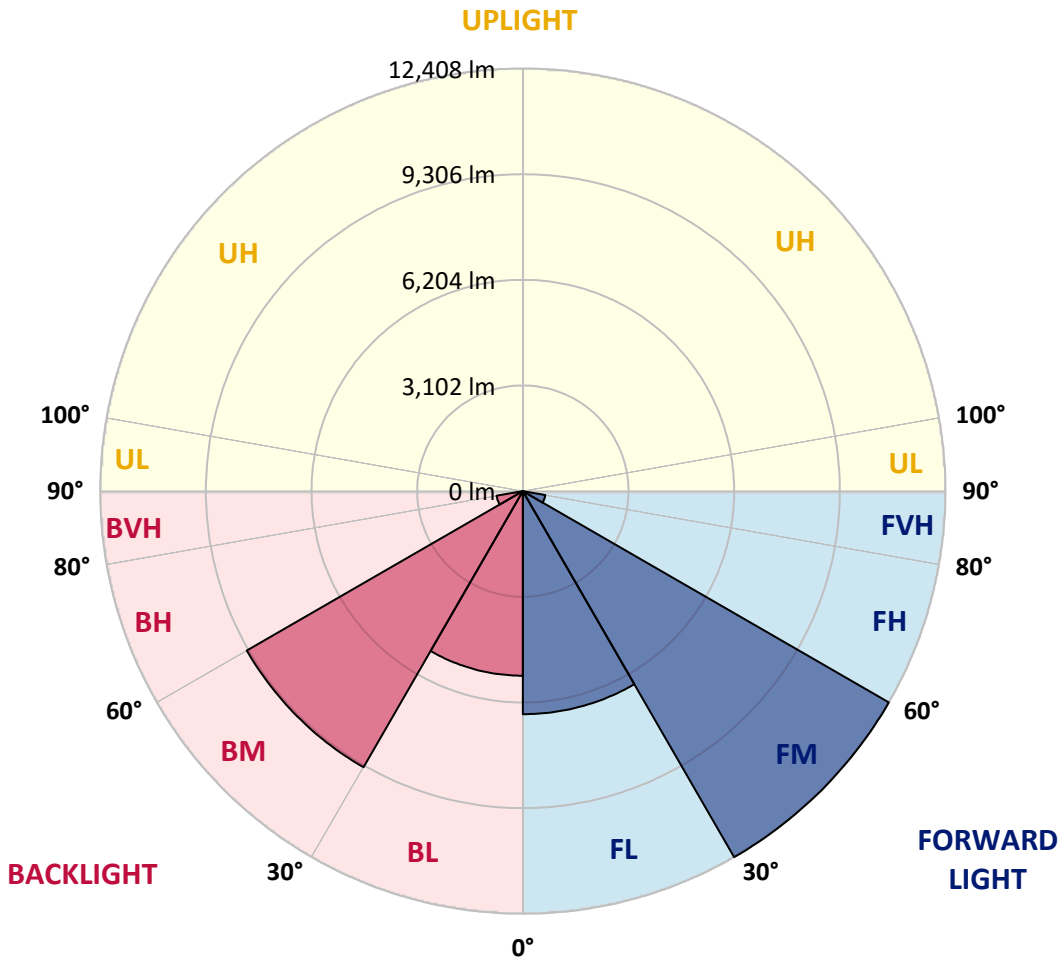
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	6548.5	18.6			
FM	(30°-60°)	12407.5	35.2			
FH	(60°-80°)	669.9	1.9			G1/1800
FVH	(80°-90°)	10.3	0.0			G1/100
BL	(0°-30°)	5419.5	15.4	B5		
BM	(30°-60°)	9359.8	26.6	B5		
BH	(60°-80°)	783.0	2.2	B2/1000		G2/1000
BVH	(80°-90°)	10.1	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0
2.5°	14210.1	14233.1	14256.1	14290.6	14336.5	14359.5	14336.5	14313.5	14302.0	14325.0	14336.5
5°	14405.4	14439.9	14451.4	14474.4	14497.3	14474.4	14462.9	14439.9	14428.4	14439.9	14474.4
7.5°	14692.6	14715.6	14704.1	14692.6	14681.1	14600.7	14520.3	14485.8	14485.8	14520.3	14612.2
10°	14945.3	14991.3	14933.9	14887.9	14807.5	14681.1	14543.3	14462.9	14485.8	14554.8	14669.6
12.5°	15267.0	15267.0	15209.6	15163.6	14979.8	14830.5	14646.7	14520.3	14520.3	14646.7	14773.0
15°	15657.6	15623.1	15600.1	15473.8	15255.5	15014.3	14784.5	14600.7	14566.3	14761.5	14842.0
17.5°	16151.5	16025.2	15967.7	15749.5	15450.8	15140.6	14830.5	14681.1	14577.7	14784.5	14692.6
20°	16829.3	16737.4	16553.6	16209.0	15600.1	15198.1	14830.5	14635.2	14554.8	14669.6	14577.7
22.5°	17702.4	17644.9	17231.4	16794.8	15990.7	15244.0	14773.0	14508.8	14485.8	14428.4	14233.1
25°	18770.7	18621.4	18196.3	17576.0	16576.6	15692.0	14761.5	14279.1	14198.7	14049.3	13704.7
27.5°	19678.2	19517.4	19000.5	18449.1	17380.7	16358.3	14853.4	14003.4	13911.5	13808.1	13383.0
30°	19724.2	19793.1	19655.3	19241.7	18127.4	16634.0	15014.3	13922.9	13716.2	13348.6	12843.1
32.5°	18793.7	18954.5	19287.7	19437.0	18690.3	16967.2	15152.1	13957.4	13578.3	12693.8	12280.2
35°	15611.6	15933.3	17300.3	18586.9	18851.1	17449.6	15267.0	13957.4	13532.4	12222.8	11901.1
37.5°	11993.0	12257.3	13417.5	15749.5	18138.9	17748.3	15519.7	13877.0	13474.9	12257.3	11820.7
40°	9798.9	9948.2	10453.7	12039.0	15634.6	17254.3	15772.5	13968.9	13302.6	12280.2	11866.7
42.5°	9201.6	9190.1	9086.7	9672.5	11924.1	15806.9	15944.8	14198.7	13015.4	12130.9	11786.3
45°	8799.5	8776.5	8684.6	8799.5	9431.3	12935.0	15818.4	14612.2	12659.3	11602.5	11372.7
47.5°	8363.0	8374.4	8340.0	8385.9	8271.1	9821.9	15106.2	14784.5	12050.5	10717.9	10637.5
50°	7317.6	7489.9	7949.4	7995.4	7696.7	7926.4	12935.0	14704.1	11613.9	10465.2	10396.3
52.5°	4549.1	4824.8	6180.3	7329.1	7156.8	7156.8	9867.8	14819.0	10832.8	10373.3	10419.2
55°	1608.3	1815.0	3308.4	5043.0	6410.1	6536.4	7800.1	13187.7	10740.9	10534.1	10580.1
57.5°	402.1	494.0	1010.9	2182.6	4319.3	5927.6	6973.0	10890.2	8156.2	7869.0	7983.9
60°	471.0	459.5	631.8	700.7	1677.2	4686.9	6283.7	7352.1	5261.3	4928.2	4985.6
62.5°	505.5	471.0	494.0	620.3	275.7	2297.5	5008.6	4376.8	2171.2	1608.3	1700.2
65°	448.0	425.0	390.6	574.4	195.3	425.0	2952.3	1286.6	310.2	494.0	448.0
67.5°	298.7	310.2	321.7	459.5	183.8	183.8	390.6	321.7	218.3	448.0	390.6
70°	172.3	183.8	218.3	275.7	183.8	149.3	172.3	264.2	183.8	448.0	390.6
72.5°	103.4	103.4	103.4	114.9	183.8	126.4	114.9	218.3	160.8	413.6	390.6
75°	80.4	80.4	80.4	68.9	160.8	80.4	80.4	172.3	137.9	298.7	298.7
77.5°	68.9	68.9	68.9	57.4	91.9	68.9	68.9	126.4	126.4	149.3	172.3
80°	46.0	46.0	46.0	46.0	57.4	57.4	46.0	68.9	57.4	68.9	80.4
82.5°	23.0	34.5	34.5	23.0	34.5	34.5	34.5	46.0	34.5	46.0	46.0
85°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	23.0	11.5	11.5	23.0
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: P980938
CATALOG NUMBER: NFFLD-L-C100-7022-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0	14371.0
2.5°	14359.5	14416.9	14497.3	14623.7	14669.6	14750.1	14819.0	14876.4	14876.4	14853.4
5°	14543.3	14704.1	14922.4	15117.7	15186.6	15267.0	15301.5	15358.9	15347.4	15335.9
7.5°	14704.1	14956.8	15186.6	15324.4	15301.5	15198.1	15129.1	15037.2	15002.8	15025.8
10°	14830.5	15060.2	15163.6	15071.7	14796.0	14554.8	14244.6	14037.8	13934.4	13968.9
12.5°	14876.4	14956.8	14864.9	14359.5	14014.9	13785.1	13532.4	13394.5	13337.1	13348.6
15°	14887.9	14704.1	14198.7	13819.6	13566.8	13279.6	13072.9	12946.5	12946.5	12958.0
17.5°	14646.7	14198.7	13762.1	13474.9	13118.8	12820.1	12705.3	12659.3	12372.1	12418.1
20°	14428.4	13785.1	13543.9	13095.8	12670.8	12475.5	11809.2	11740.3	11751.8	11763.3
22.5°	13968.9	13486.4	13268.2	12682.3	12199.8	11659.9	11568.0	11499.1	11510.6	11510.6
25°	13337.1	13061.4	12762.7	12153.9	11568.0	11464.6	11395.7	11303.8	11257.8	11269.3
27.5°	12981.0	12636.3	12084.9	11568.0	11188.9	11234.9	11154.4	11016.6	11016.6	11028.1
30°	*12533.0*	*12199.8*	*11464.6*	*10855.8*	*10890.2*	*10959.2*	*10763.9*	*10694.9*	*10660.5*	*10660.5*
32.5°	11981.5	11522.0	10878.7	10304.4	10511.1	10488.2	10246.9	10269.9	10292.9	10269.9
35°	11568.0	10970.6	10430.7	10120.6	10040.1	9948.2	9821.9	9902.3	9936.8	9913.8
37.5°	11464.6	10752.4	10189.5	9971.2	9661.1	9488.7	9523.2	9603.6	9649.6	9638.1
40°	11430.1	10534.1	9982.7	9753.0	9339.4	9190.1	9236.0	9396.8	9454.3	9442.8
42.5°	11384.2	10384.8	9856.3	9580.6	9006.3	8902.9	9121.1	9270.5	9282.0	9270.5
45°	11143.0	10223.9	9775.9	9224.5	8500.8	8627.2	8902.9	8983.3	8845.4	8788.0
47.5°	10580.1	9925.3	9534.7	8788.0	8087.3	8328.5	8363.0	7489.9	6984.5	6869.6
50°	10419.2	9936.8	9259.0	8271.1	7834.5	8075.8	6570.9	5020.1	4388.3	4261.9
52.5°	10373.3	9821.9	9362.4	7731.1	7742.6	6812.1	4147.0	2458.3	1975.9	1884.0
55°	10488.2	10327.3	9534.7	7409.5	7202.7	4434.2	1929.9	1160.2	1194.7	1160.2
57.5°	7914.9	8638.7	9741.5	6904.0	5261.3	2136.7	1217.7	1125.8	1045.4	1022.4
60°	4939.7	5628.9	7133.8	5939.1	2699.6	1275.1	1240.7	1045.4	1010.9	999.4
62.5°	1631.2	2504.3	4089.6	3905.8	746.7	1263.6	1252.1	930.5	930.5	930.5
65°	413.6	425.0	1125.8	1344.0	551.4	1125.8	1194.7	873.1	850.1	884.5
67.5°	356.1	321.7	597.4	528.4	459.5	781.2	1045.4	838.6	792.6	792.6
70°	356.1	379.1	585.9	494.0	287.2	425.0	758.2	516.9	459.5	425.0
72.5°	333.1	367.6	516.9	448.0	195.3	206.8	333.1	172.3	160.8	137.9
75°	287.2	298.7	402.1	402.1	206.8	103.4	137.9	114.9	114.9	103.4
77.5°	195.3	149.3	229.8	287.2	149.3	68.9	57.4	57.4	57.4	46.0
80°	103.4	57.4	57.4	46.0	57.4	57.4	34.5	46.0	46.0	34.5
82.5°	57.4	34.5	34.5	23.0	23.0	34.5	23.0	23.0	23.0	23.0
85°	23.0	23.0	11.5	11.5	11.5	23.0	11.5	11.5	11.5	11.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5
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

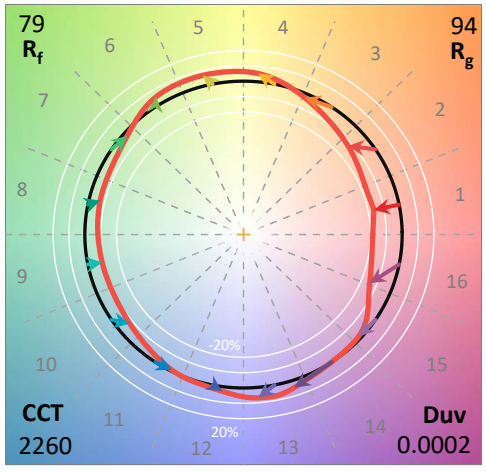
Test Information

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

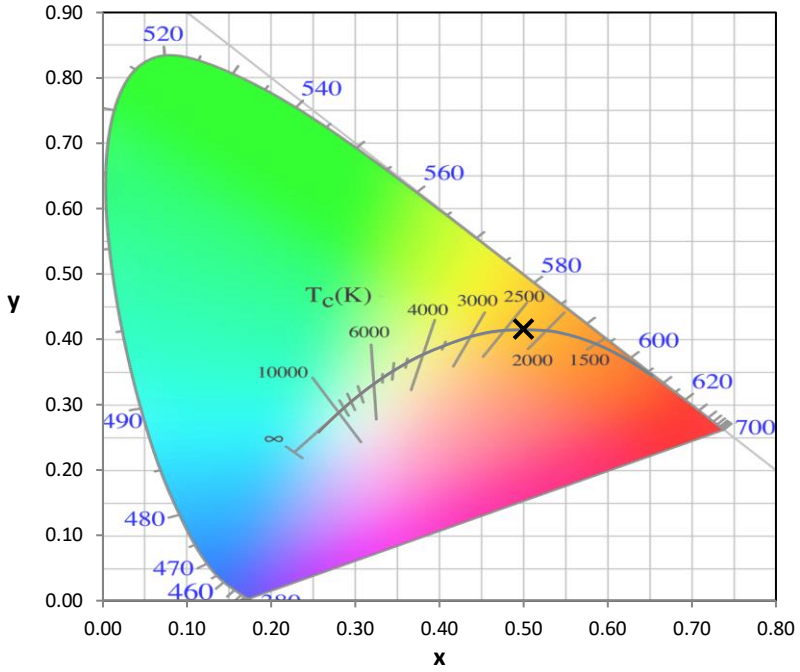
Stabilization Time:	59M
Operation Time:	1H 59M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-8

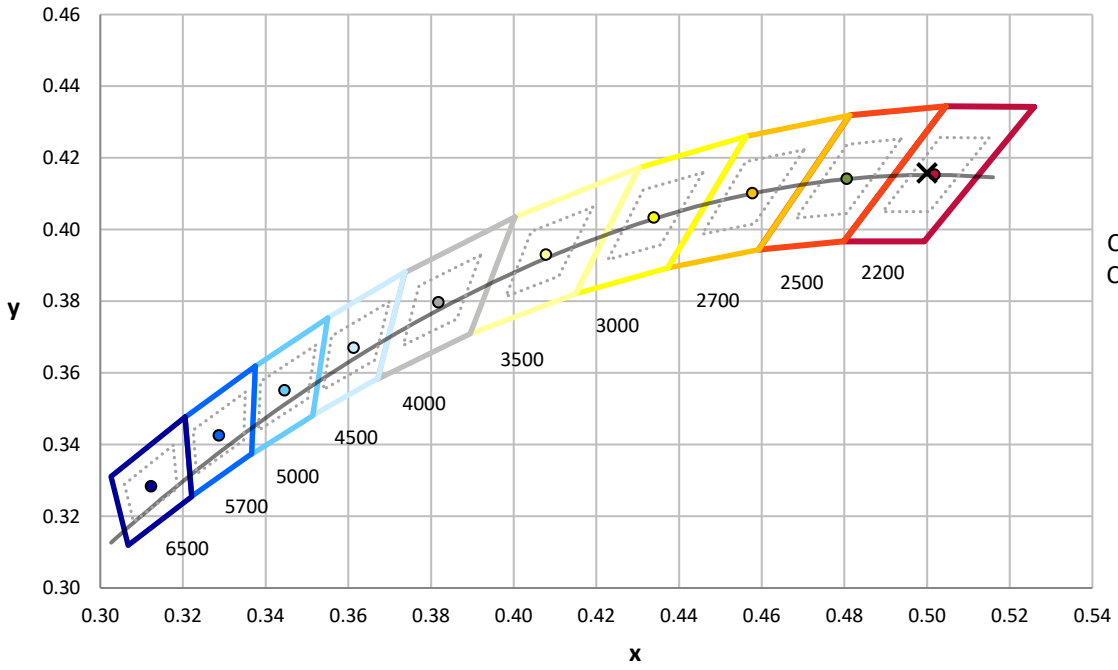
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

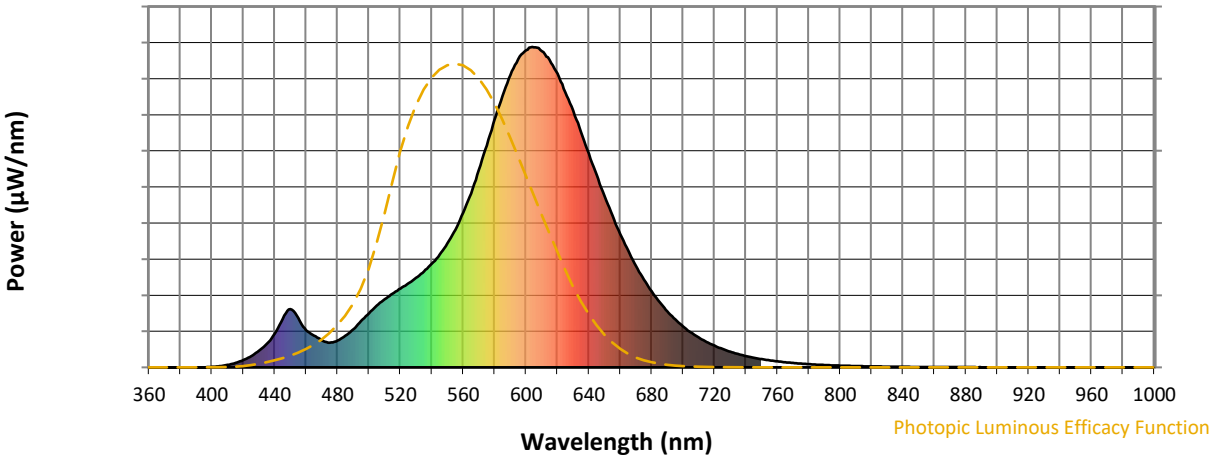


CCT = 2260K
CIE x = 0.5000
CIE y = 0.4158
Duv = 0.0002

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-8

Photopic Flux vs. Wavelength

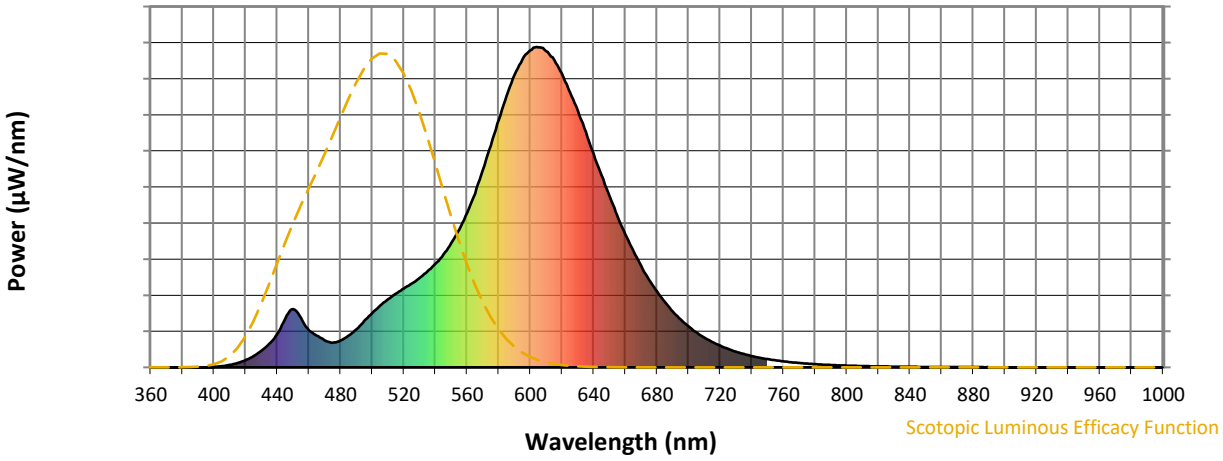


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2501-319-8

Scotopic Flux vs. Wavelength

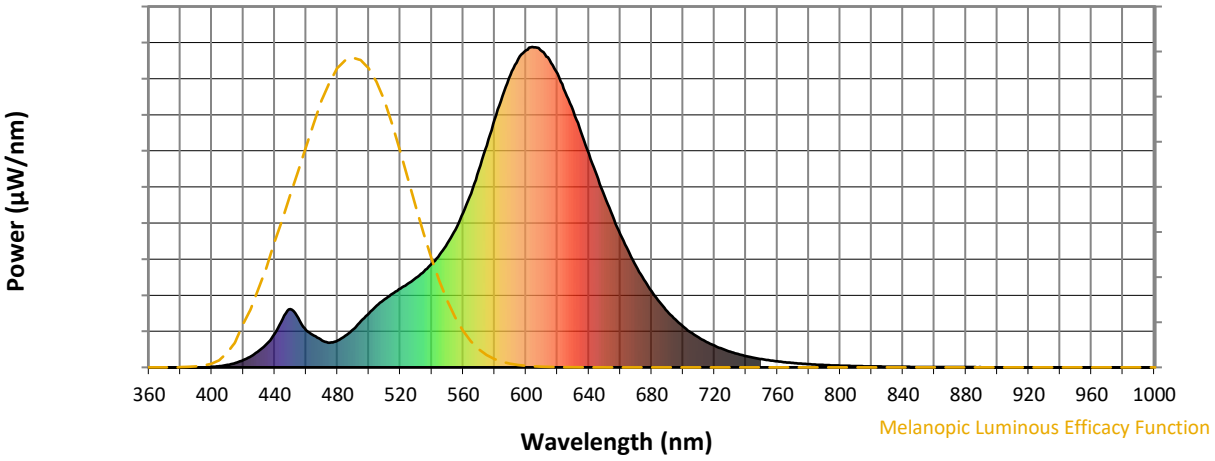


Scotopic Lumens: NR **S/P: 0.95**

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			

REPORT NUMBER: SP1-2501-319-8

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			

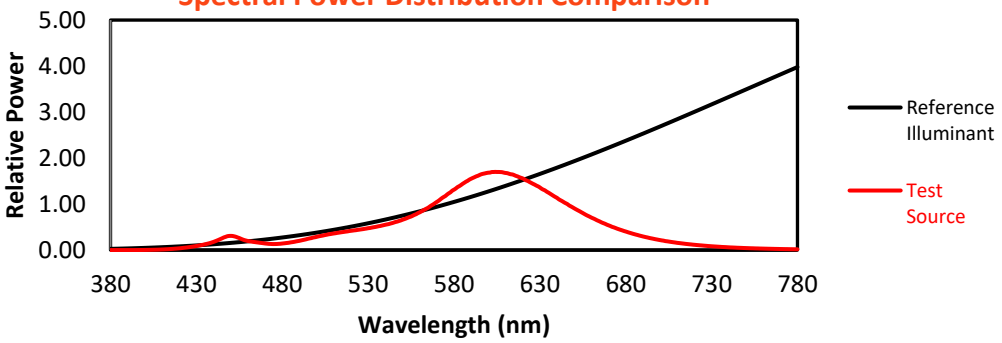
REPORT NUMBER: SP1-2501-319-8

TM-30-18

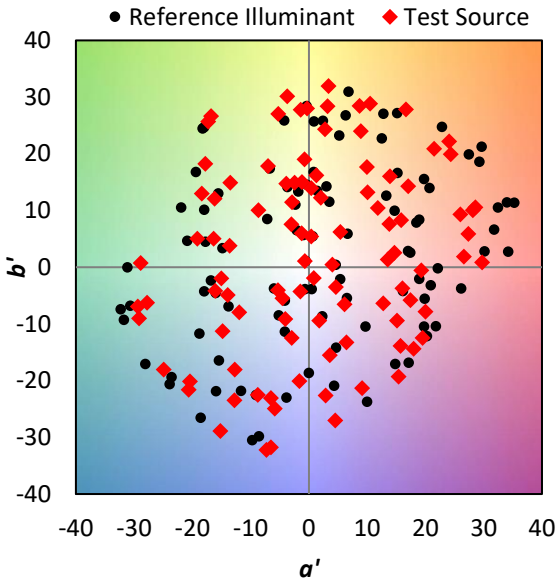
Summary

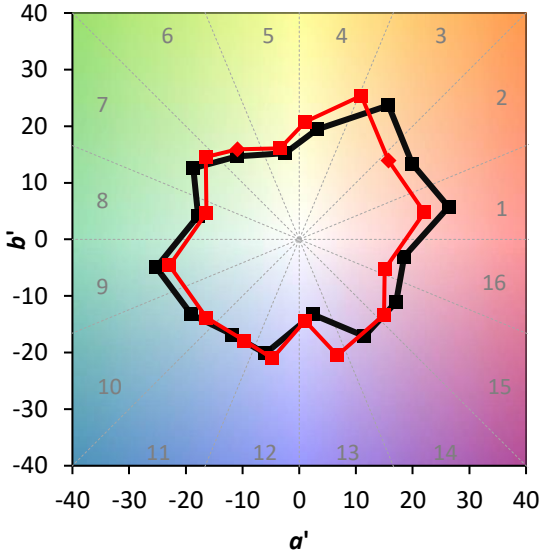
R_f = 78.7
R_g = 93.7
CIE R_a = 72.8
R_9 = -28.5

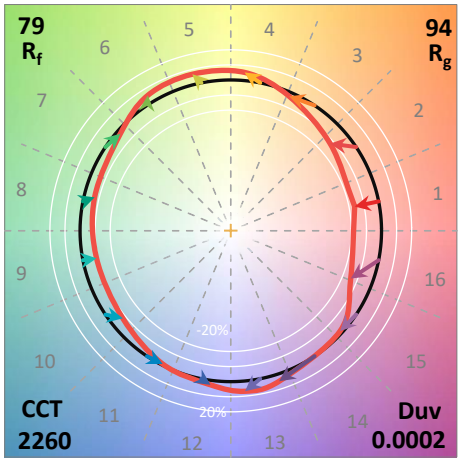
Spectral Power Distribution Comparison

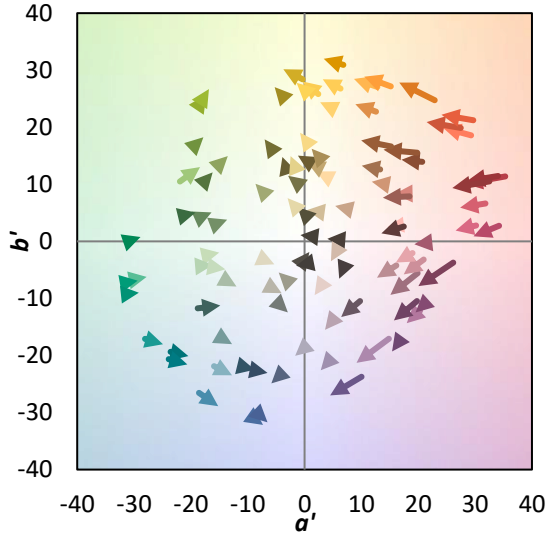


Color Vector Graphics







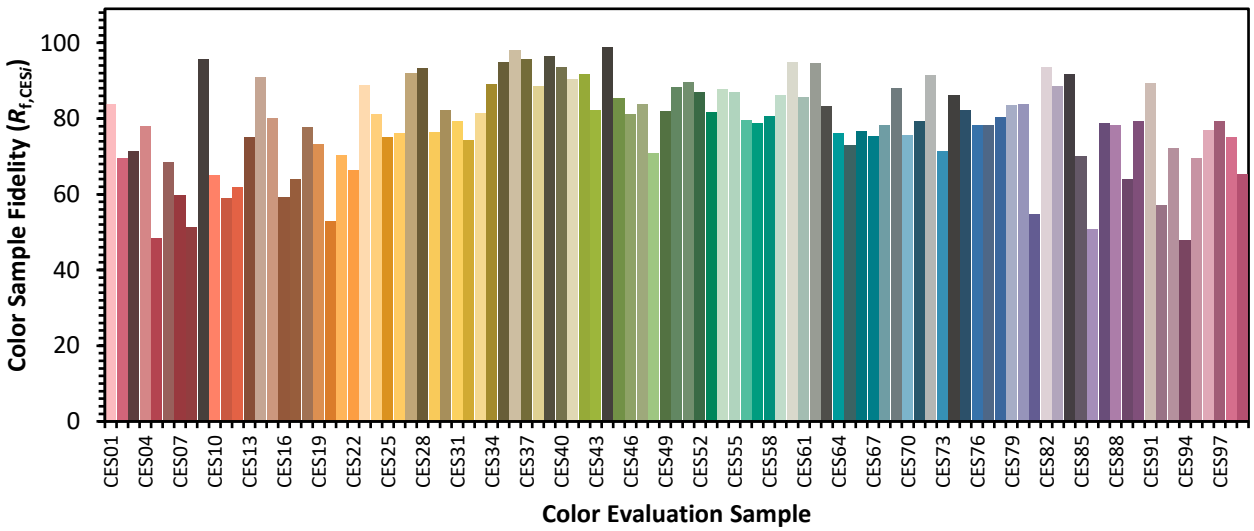


REPORT NUMBER: SP1-2501-319-8

TM-30-18

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

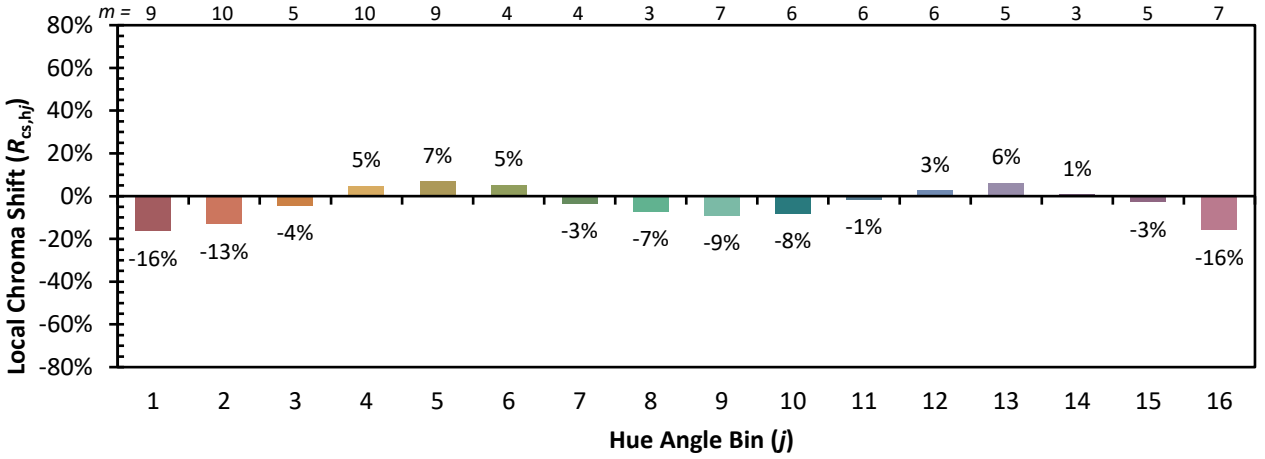
CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 78
CES02 = 65	CES27 = 92	CES52 = 87	CES77 = 78
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 80
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 84
CES05 = 51	CES30 = 82	CES55 = 87	CES80 = 84
CES06 = 52	CES31 = 79	CES56 = 80	CES81 = 55
CES07 = 44	CES32 = 74	CES57 = 79	CES82 = 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	

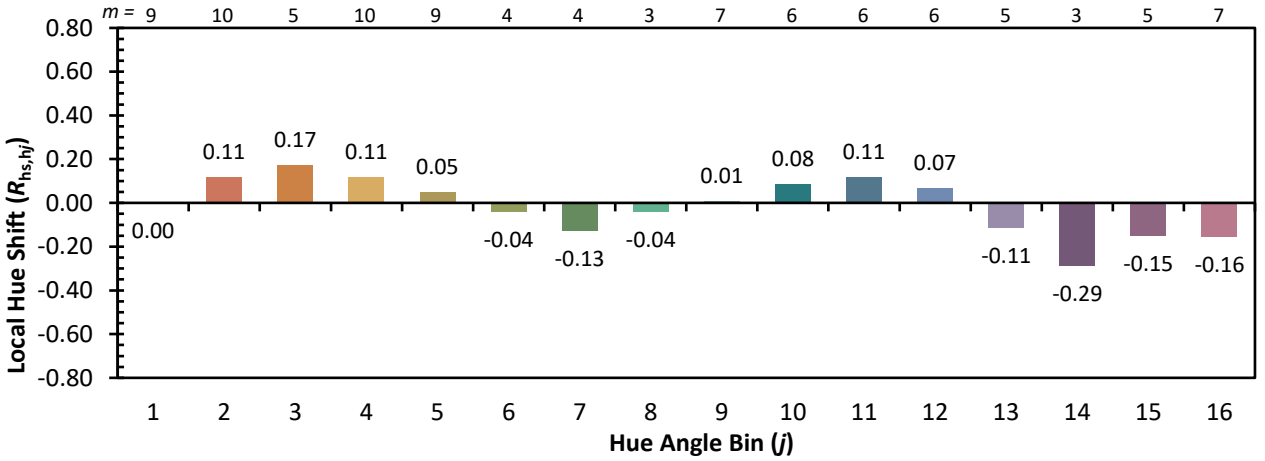


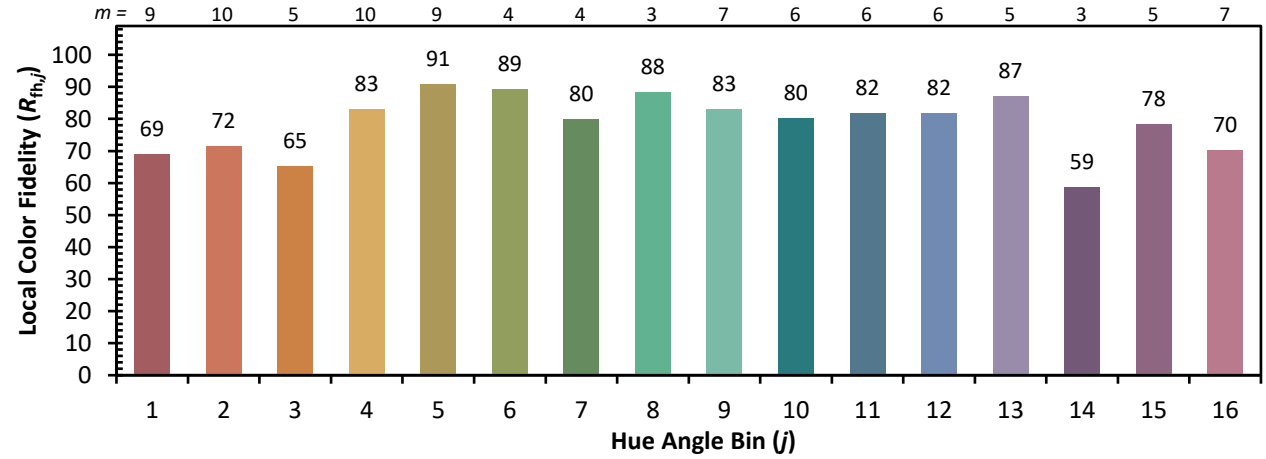
REPORT NUMBER: SP1-2501-319-8

TM-30-18

Color Rendition by Hue-Angle Bin



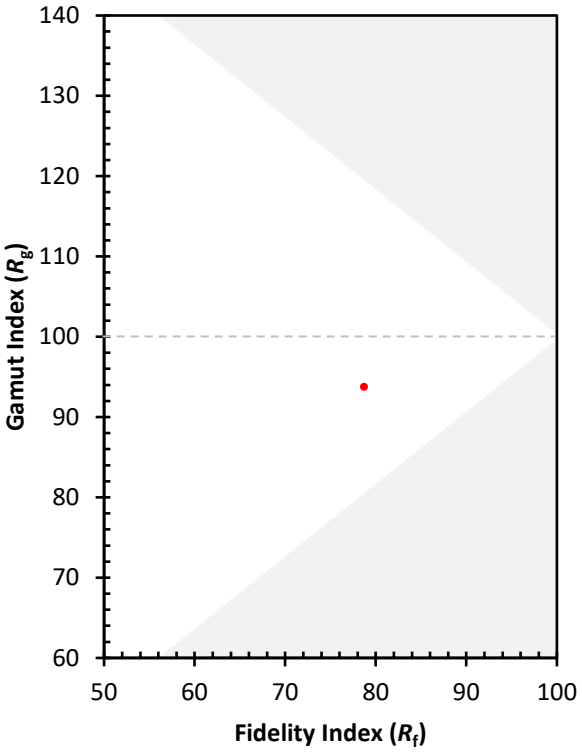


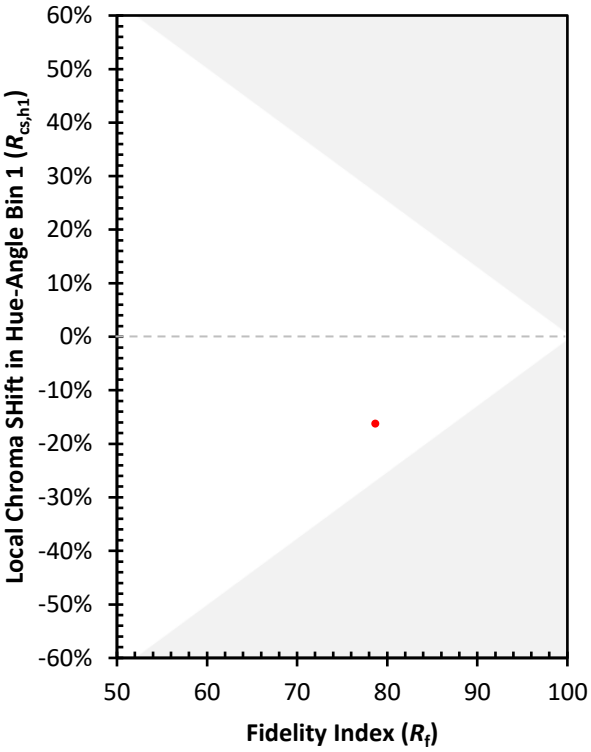


REPORT NUMBER: SP1-2501-319-8

TM-30-18

Measure Comparisons





(END OF REPORT)