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: P980956

Luminaire Tested: **NFFLD-C40-7030-66**

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:	P980956
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C40-7030-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 130W 70CRI 3000K LED FIXTURE NEMA 6
Light Source:	(2) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21312.8 lumens
Efficiency:	N/A
Efficacy:	160.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G1

Input Watts (W):	132.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.87%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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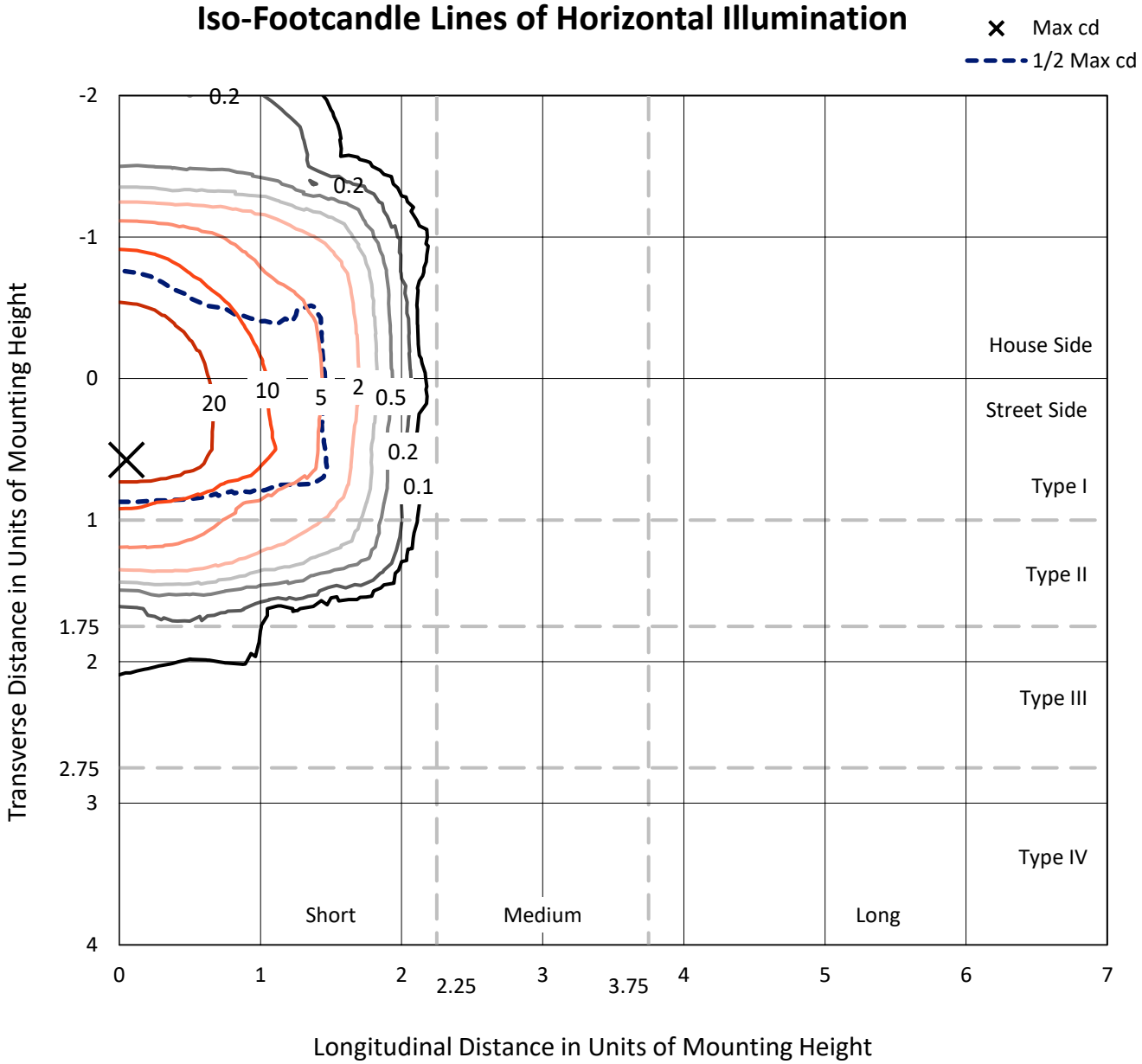
Scaled Data Report

REPORT NUMBER: P980956
CATALOG NUMBER: NFFLD-C40-7030-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 39.6 fc
Type I - Short - N/A

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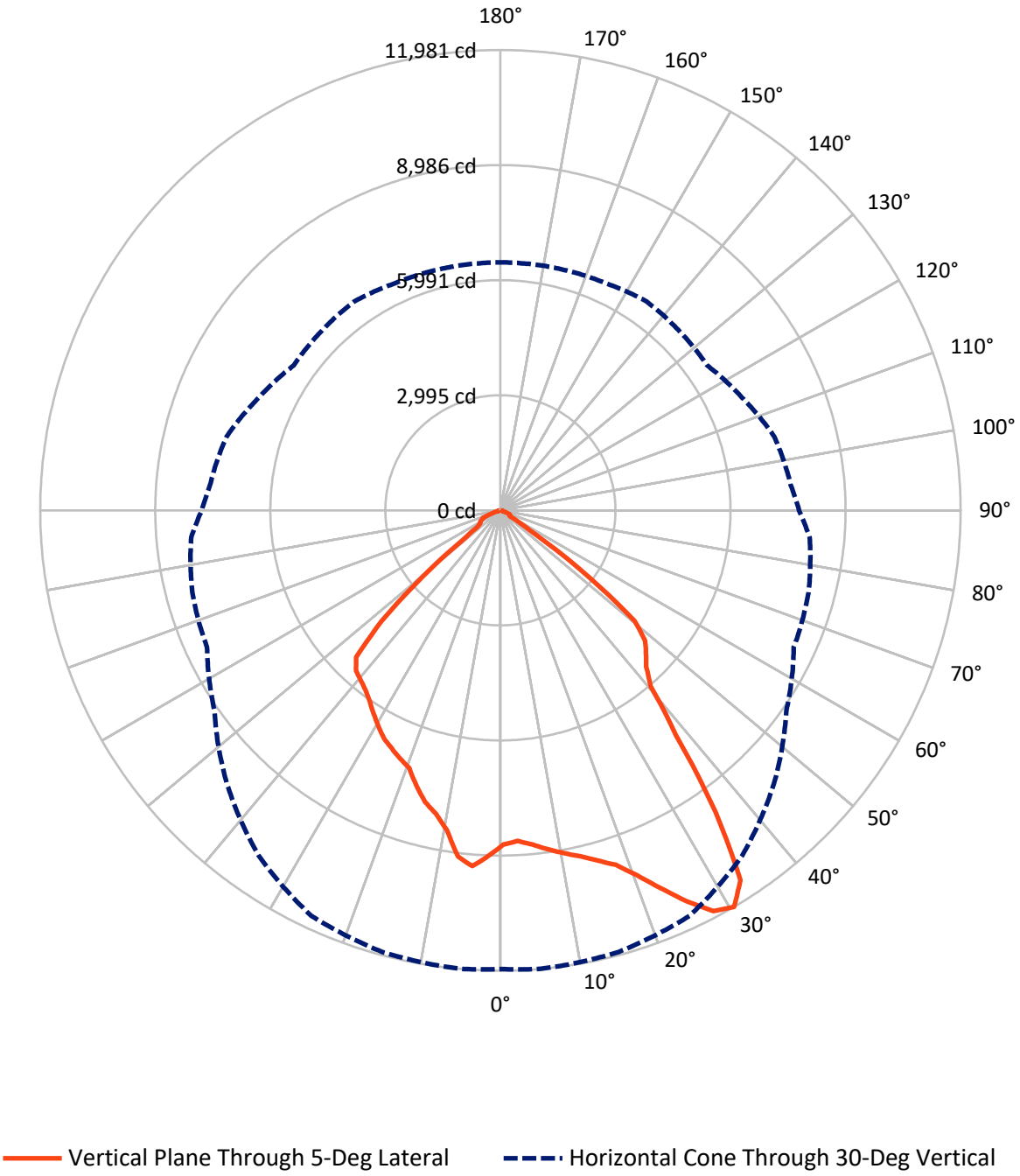
Luminous Intensity Polar Plot



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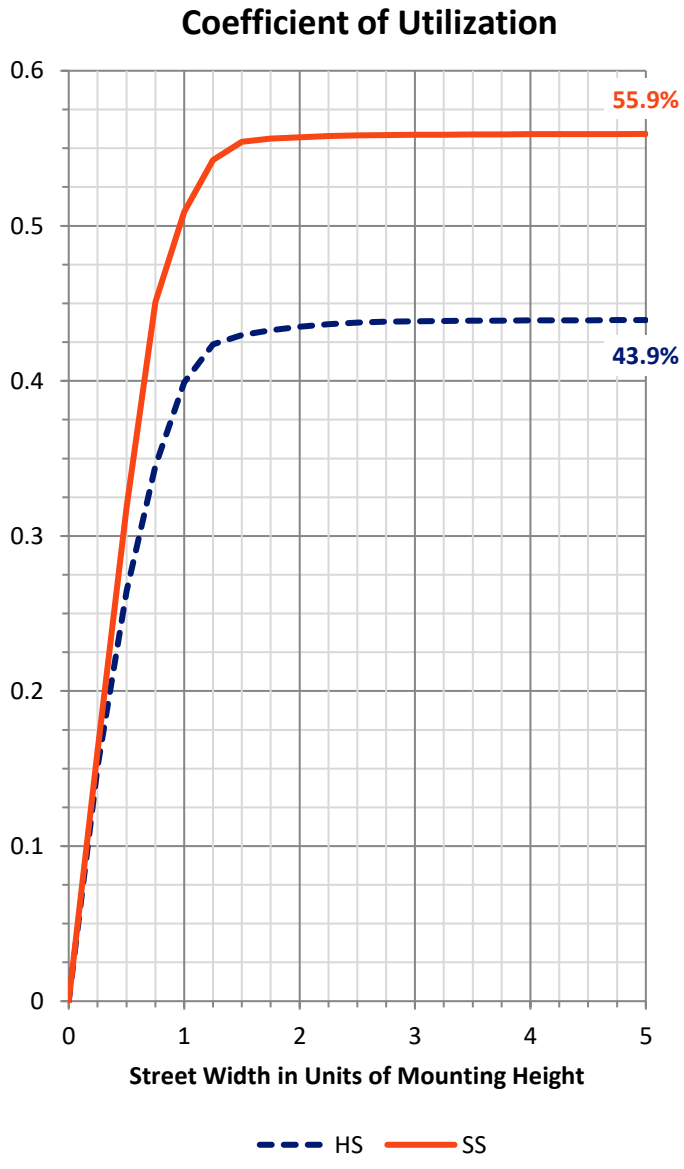
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9426.4	0.0	9426.4
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	11886.4	0.0	11886.4
	% Fixture	55.8	0.0	55.8
Total	Lumens	21312.8	0.0	21312.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.0	4.0
10°-20°	2465.2	11.6
20°-30°	3928.4	18.4
30°-40°	4911.2	23.0
40°-50°	4819.5	22.6
50°-60°	3445.7	16.2
60°-70°	762.4	3.6
70°-80°	117.1	0.5
80°-90°	12.4	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°	21312.8	100.0
0°-180°	21312.8	100.0



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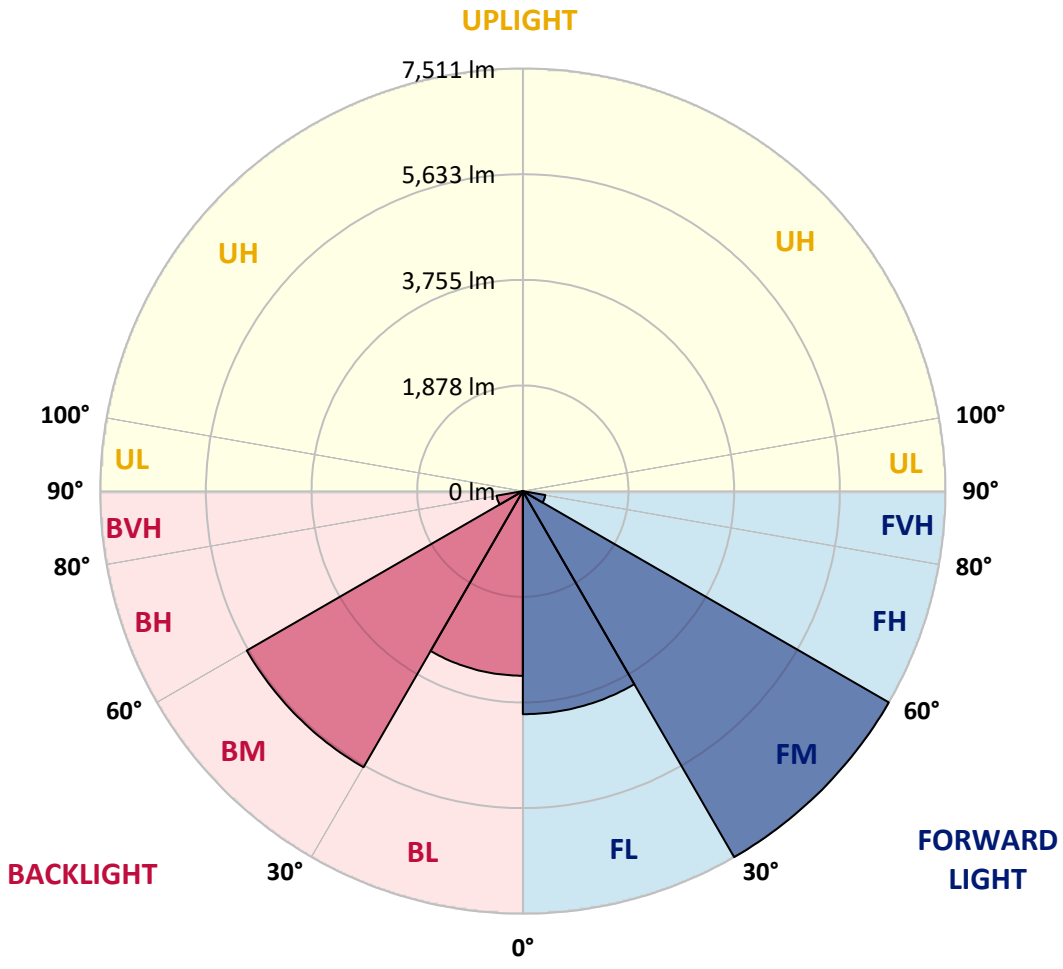
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3964.0	18.6			
FM	(30°-60°)	7510.6	35.2			
FH	(60°-80°)	405.5	1.9			G0/660
FVH	(80°-90°)	6.3	0.0			G0/10
BL	(0°-30°)	3280.6	15.4	B4/5000		
BM	(30°-60°)	5665.7	26.6	B4/8500		
BH	(60°-80°)	474.0	2.2	B1/500		G1/500
BVH	(80°-90°)	6.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1
2.5°	8601.8	8615.7	8629.6	8650.5	8678.3	8692.2	8678.3	8664.4	8657.4	8671.3	8678.3
5°	8720.0	8740.9	8747.8	8761.7	8775.6	8761.7	8754.8	8740.9	8733.9	8740.9	8761.7
7.5°	8893.8	8907.8	8900.8	8893.8	8886.9	8838.2	8789.5	8768.7	8768.7	8789.5	8845.2
10°	9046.8	9074.6	9039.9	9012.1	8963.4	8886.9	8803.5	8754.8	8768.7	8810.4	8879.9
12.5°	9241.5	9241.5	9206.8	9179.0	9067.7	8977.3	8866.0	8789.5	8789.5	8866.0	8942.5
15°	9478.0	9457.1	9443.2	9366.7	9234.6	9088.6	8949.5	8838.2	8817.4	8935.6	8984.2
17.5°	9777.0	9700.5	9665.7	9533.6	9352.8	9165.0	8977.3	8886.9	8824.3	8949.5	8893.8
20°	10187.2	10131.6	10020.4	9811.7	9443.2	9199.8	8977.3	8859.1	8810.4	8879.9	8824.3
22.5°	10715.7	10681.0	10430.6	10166.4	9679.6	9227.6	8942.5	8782.6	8768.7	8733.9	8615.7
25°	11362.4	11272.0	11014.7	10639.2	10034.3	9498.8	8935.6	8643.5	8594.8	8504.4	8295.8
27.5°	11911.8	11814.4	11501.5	11167.7	10521.0	9902.1	8991.2	8476.6	8421.0	8358.4	8101.1
30°	11939.6	11981.3	11897.9	11647.5	10973.0	10069.0	9088.6	8427.9	8302.8	8080.3	7774.3
32.5°	11376.3	11473.7	11675.3	11765.7	11313.8	10270.7	9172.0	8448.8	8219.3	7683.9	7433.6
35°	9450.1	9644.9	10472.4	11251.2	11411.1	10562.7	9241.5	8448.8	8191.5	7398.8	7204.1
37.5°	7259.7	7419.7	8122.0	9533.6	10980.0	10743.5	9394.5	8400.1	8156.8	7419.7	7155.4
40°	5931.6	6021.9	6327.9	7287.5	9464.1	10444.5	9547.5	8455.8	8052.4	7433.6	7183.2
42.5°	5570.0	5563.0	5500.4	5855.1	7218.0	9568.4	9651.8	8594.8	7878.6	7343.2	7134.5
45°	5326.6	5312.7	5257.0	5326.6	5709.0	7829.9	9575.3	8845.2	7663.0	7023.3	6884.2
47.5°	5062.3	5069.3	5048.4	5076.2	5006.7	5945.5	9144.2	8949.5	7294.5	6487.9	6439.2
50°	4429.5	4533.8	4812.0	4839.8	4659.0	4798.1	7829.9	8900.8	7030.2	6334.9	6293.1
52.5°	2753.7	2920.6	3741.1	4436.5	4332.2	4332.2	5973.3	8970.3	6557.4	6279.2	6307.1
55°	973.5	1098.7	2002.7	3052.7	3880.2	3956.7	4721.6	7982.9	6501.8	6376.6	6404.4
57.5°	243.4	299.0	611.9	1321.2	2614.6	3588.1	4220.9	6592.2	4937.2	4763.3	4832.9
60°	285.1	278.2	382.5	424.2	1015.2	2837.1	3803.7	4450.4	3184.8	2983.2	3017.9
62.5°	306.0	285.1	299.0	375.5	166.9	1390.8	3031.8	2649.4	1314.3	973.5	1029.2
65°	271.2	257.3	236.4	347.7	118.2	257.3	1787.1	778.8	187.8	299.0	271.2
67.5°	180.8	187.8	194.7	278.2	111.3	111.3	236.4	194.7	132.1	271.2	236.4
70°	104.3	111.3	132.1	166.9	111.3	90.4	104.3	159.9	111.3	271.2	236.4
72.5°	62.6	62.6	62.6	69.5	111.3	76.5	69.5	132.1	97.4	250.3	236.4
75°	48.7	48.7	48.7	41.7	97.4	48.7	48.7	104.3	83.4	180.8	180.8
77.5°	41.7	41.7	41.7	34.8	55.6	41.7	41.7	76.5	76.5	90.4	104.3
80°	27.8	27.8	27.8	27.8	34.8	34.8	27.8	41.7	34.8	41.7	48.7
82.5°	13.9	20.9	20.9	13.9	20.9	20.9	20.9	27.8	20.9	27.8	27.8
85°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	13.9	7.0	7.0	13.9
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: P980956
CATALOG NUMBER: NFFLD-C40-7030-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1	8699.1
2.5°	8692.2	8727.0	8775.6	8852.1	8879.9	8928.6	8970.3	9005.1	9005.1	8991.2
5°	8803.5	8900.8	9032.9	9151.1	9192.9	9241.5	9262.4	9297.2	9290.2	9283.3
7.5°	8900.8	9053.8	9192.9	9276.3	9262.4	9199.8	9158.1	9102.5	9081.6	9095.5
10°	8977.3	9116.4	9179.0	9123.3	8956.4	8810.4	8622.7	8497.5	8434.9	8455.8
12.5°	9005.1	9053.8	8998.2	8692.2	8483.6	8344.5	8191.5	8108.1	8073.3	8080.3
15°	9012.1	8900.8	8594.8	8365.4	8212.4	8038.5	7913.4	7836.9	7836.9	7843.8
17.5°	8866.0	8594.8	8330.6	8156.8	7941.2	7760.4	7690.8	7663.0	7489.2	7517.0
20°	8733.9	8344.5	8198.5	7927.3	7670.0	7551.8	7148.5	7106.7	7113.7	7120.6
22.5°	8455.8	8163.7	8031.6	7676.9	7384.9	7058.1	7002.4	6960.7	6967.7	6967.7
25°	8073.3	7906.4	7725.6	7357.1	7002.4	6939.8	6898.1	6842.5	6814.7	6821.6
27.5°	7857.7	7649.1	7315.3	7002.4	6773.0	6800.8	6752.1	6668.6	6668.6	6675.6
30°	*7586.5*	*7384.9*	*6939.8*	*6571.3*	*6592.2*	*6633.9*	*6515.7*	*6473.9*	*6453.1*	*6453.1*
32.5°	7252.8	6974.6	6585.2	6237.5	6362.7	6348.8	6202.7	6216.7	6230.6	6216.7
35°	7002.4	6640.8	6314.0	6126.3	6077.6	6021.9	5945.5	5994.1	6015.0	6001.1
37.5°	6939.8	6508.7	6168.0	6035.9	5848.1	5743.8	5764.7	5813.3	5841.2	5834.2
40°	6919.0	6376.6	6042.8	5903.7	5653.4	5563.0	5590.8	5688.2	5722.9	5716.0
42.5°	6891.2	6286.2	5966.3	5799.4	5451.7	5389.2	5521.3	5611.7	5618.6	5611.7
45°	6745.1	6188.8	5917.6	5583.9	5145.8	5222.3	5389.2	5437.8	5354.4	5319.6
47.5°	6404.4	6008.0	5771.6	5319.6	4895.4	5041.5	5062.3	4533.8	4227.9	4158.3
50°	6307.1	6015.0	5604.7	5006.7	4742.5	4888.5	3977.5	3038.8	2656.3	2579.8
52.5°	6279.2	5945.5	5667.3	4679.9	4686.8	4123.6	2510.3	1488.1	1196.0	1140.4
55°	6348.8	6251.4	5771.6	4485.2	4360.0	2684.1	1168.2	702.3	723.2	702.3
57.5°	4791.1	5229.2	5896.8	4179.2	3184.8	1293.4	737.1	681.5	632.8	618.9
60°	2990.1	3407.3	4318.3	3595.1	1634.1	771.9	751.0	632.8	611.9	605.0
62.5°	987.4	1515.9	2475.5	2364.3	452.0	764.9	758.0	563.3	563.3	563.3
65°	250.3	257.3	681.5	813.6	333.8	681.5	723.2	528.5	514.6	535.4
67.5°	215.6	194.7	361.6	319.9	278.2	472.9	632.8	507.6	479.8	479.8
70°	215.6	229.5	354.6	299.0	173.8	257.3	458.9	312.9	278.2	257.3
72.5°	201.7	222.5	312.9	271.2	118.2	125.2	201.7	104.3	97.4	83.4
75°	173.8	180.8	243.4	243.4	125.2	62.6	83.4	69.5	69.5	62.6
77.5°	118.2	90.4	139.1	173.8	90.4	41.7	34.8	34.8	34.8	27.8
80°	62.6	34.8	34.8	27.8	34.8	34.8	20.9	27.8	27.8	20.9
82.5°	34.8	20.9	20.9	13.9	13.9	20.9	13.9	13.9	13.9	13.9
85°	13.9	13.9	7.0	7.0	7.0	13.9	7.0	7.0	7.0	7.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	7.0
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Lumark

Report Number: SP1-2501-319-10

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7030-66

Data in this report applies to families of products including NFFLD-C55-7030-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

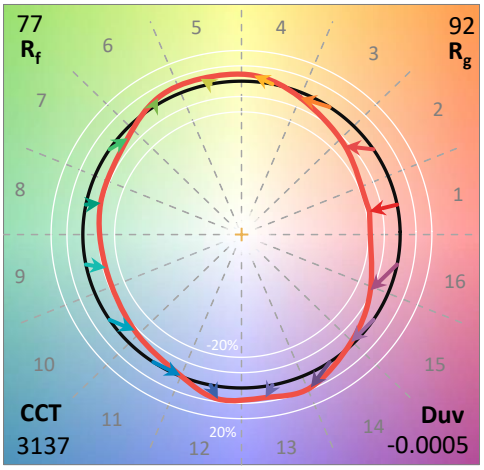
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-10
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-C55-7030-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	3137	CRI (Ra):	71.4		
CIE u':	0.2461	R1:	67.1	R9:	-42.3
CIE v':	0.5180	R2:	84.2	R10:	65.1
Duv:	-0.0005	R3:	93.4	R11:	60.5
CIE x:	0.4269	R4:	65.5	R12:	58.2
CIE y:	0.3993	R5:	67.7	R13:	70.6
CIE z:	0.1739	R6:	78.9	R14:	96.6
Peak Wavelength (nm):	591	R7:	75.0	R15:	58.2
Dominant Wavelength (nm):	582	R8:	39.1		
Purity:	47.96229				

Rf:	76.5
Rg:	91.7



Test Conditions

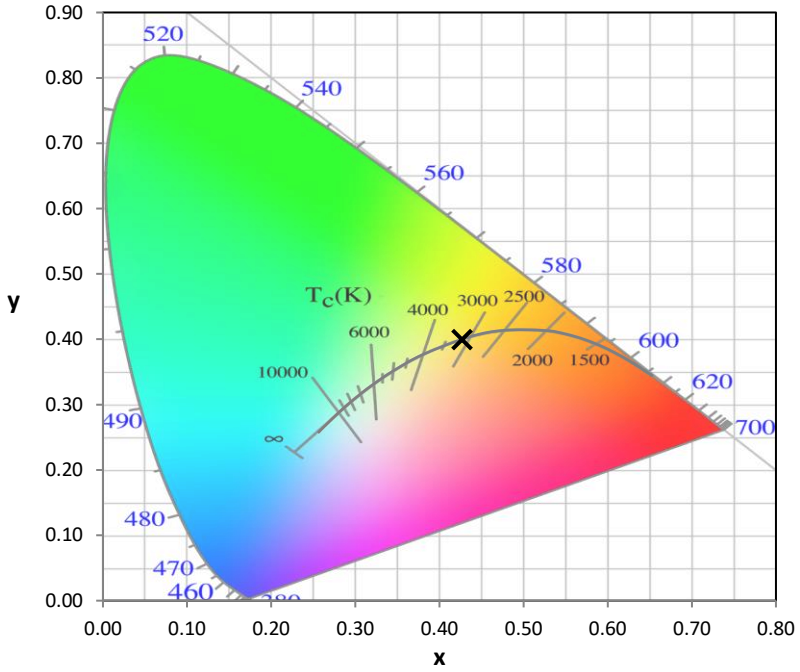
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-10

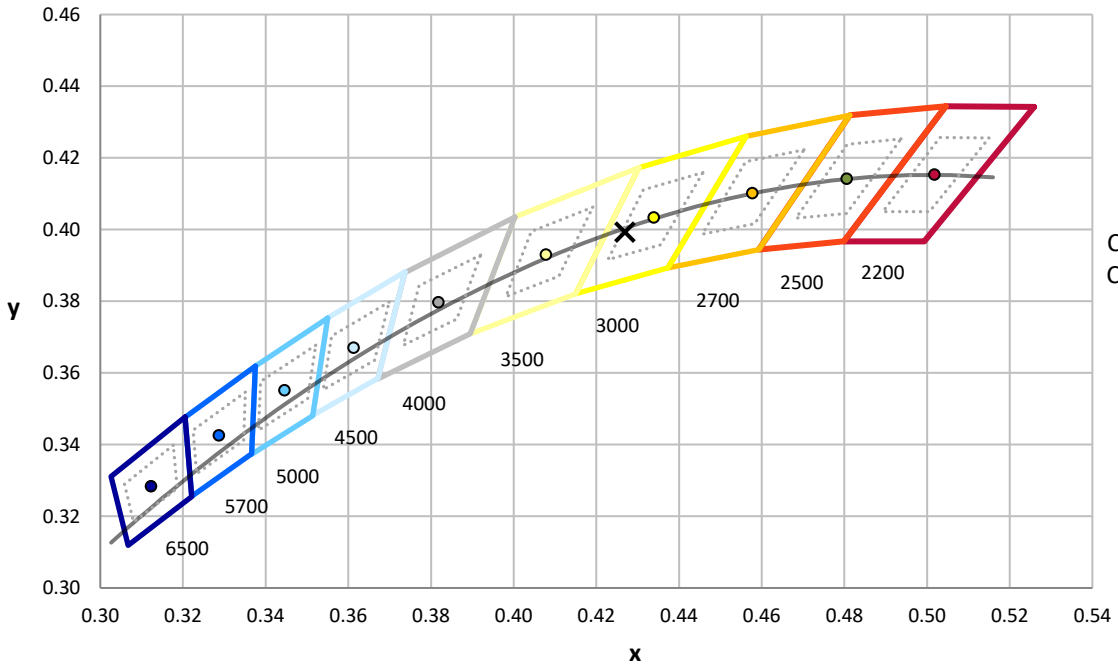
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-10

CIE 1931 Chromaticity Diagram



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

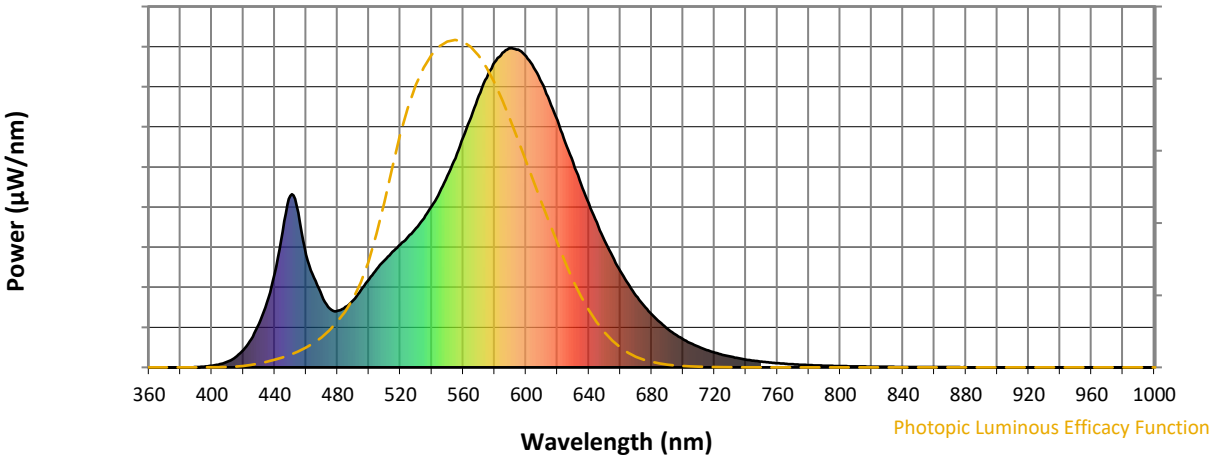


CCT = 3137K
CIE x = 0.4269
CIE y = 0.3993
Duv = -0.0005

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-10

Photopic Flux vs. Wavelength

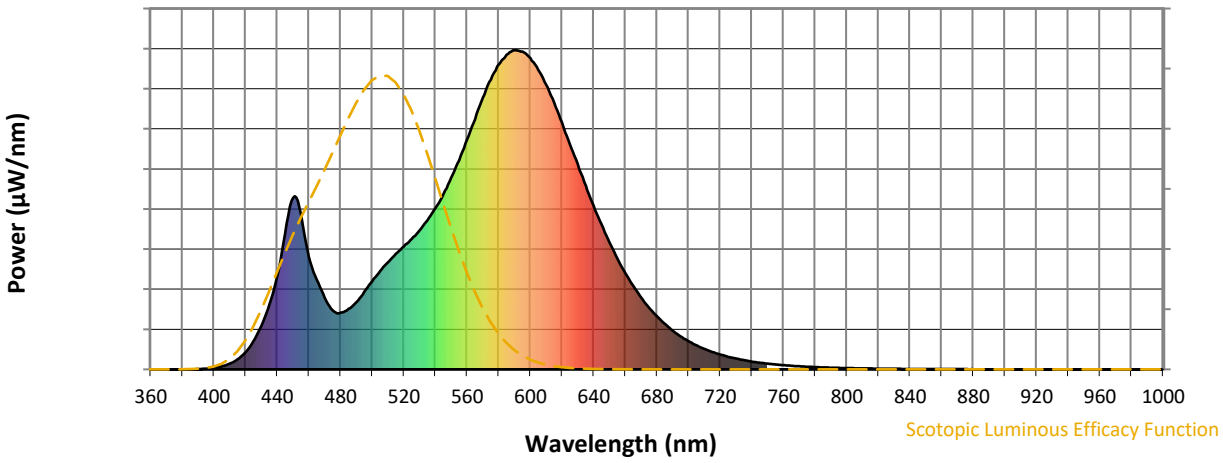


Photopic Lumens: NR

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	211	NR	620	774	NR	750	18	NR	880	1	NR
365	0	NR	495	243	NR	625	705	NR	755	15	NR	885	0	NR
370	0	NR	500	276	NR	630	642	NR	760	13	NR	890	0	NR
375	0	NR	505	308	NR	635	575	NR	765	11	NR	895	0	NR
380	0	NR	510	336	NR	640	513	NR	770	10	NR	900	0	NR
385	0	NR	515	362	NR	645	454	NR	775	8	NR	905	0	NR
390	1	NR	520	385	NR	650	397	NR	780	7	NR	910	0	NR
395	3	NR	525	410	NR	655	348	NR	785	6	NR	915	0	NR
400	5	NR	530	437	NR	660	301	NR	790	5	NR	920	0	NR
405	10	NR	535	468	NR	665	261	NR	795	5	NR	925	0	NR
410	18	NR	540	505	NR	670	225	NR	800	4	NR	930	0	NR
415	32	NR	545	549	NR	675	193	NR	805	3	NR	935	0	NR
420	54	NR	550	600	NR	680	166	NR	810	3	NR	940	0	NR
425	89	NR	555	655	NR	685	142	NR	815	3	NR	945	0	NR
430	137	NR	560	721	NR	690	121	NR	820	2	NR	950	0	NR
435	204	NR	565	784	NR	695	103	NR	825	2	NR	955	0	NR
440	293	NR	570	851	NR	700	88	NR	830	2	NR	960	0	NR
445	425	NR	575	907	NR	705	75	NR	835	1	NR	965	0	NR
450	537	NR	580	956	NR	710	64	NR	840	1	NR	970	0	NR
455	484	NR	585	986	NR	715	54	NR	845	1	NR	975	0	NR
460	353	NR	590	1000	NR	720	46	NR	850	1	NR	980	0	NR
465	281	NR	595	996	NR	725	39	NR	855	1	NR	985	0	NR
470	224	NR	600	974	NR	730	34	NR	860	1	NR	990	0	NR
475	184	NR	605	938	NR	735	29	NR	865	1	NR	995	0	NR
480	177	NR	610	891	NR	740	24	NR	870	1	NR	1000	0	NR
485	189	NR	615	835	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-319-10

Scotopic Flux vs. Wavelength

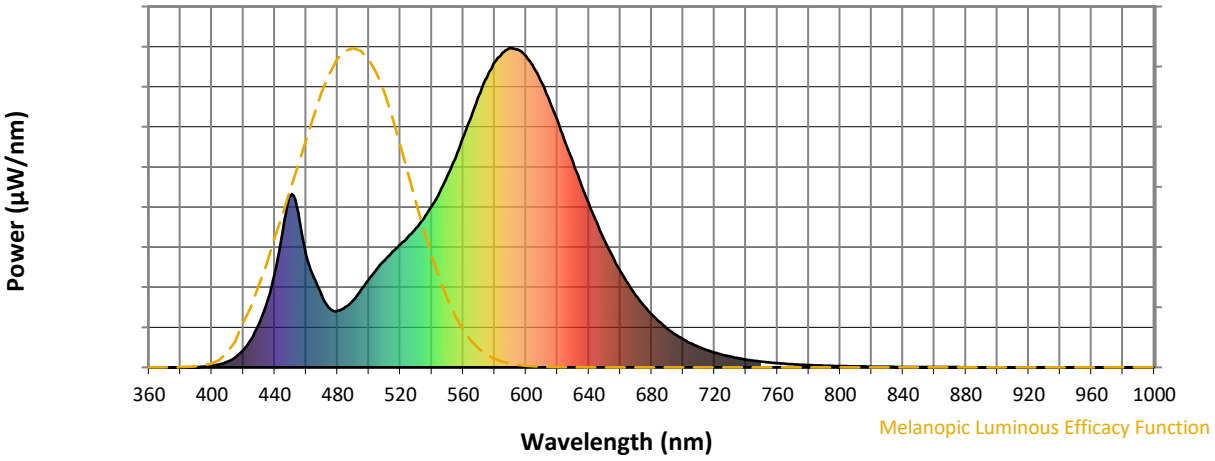


Scotopic Lumens: NR **S/P: 1.31**

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	211	NR	620	774	NR	750	18	NR	880	1	NR
365	0	NR	495	243	NR	625	705	NR	755	15	NR	885	0	NR
370	0	NR	500	276	NR	630	642	NR	760	13	NR	890	0	NR
375	0	NR	505	308	NR	635	575	NR	765	11	NR	895	0	NR
380	0	NR	510	336	NR	640	513	NR	770	10	NR	900	0	NR
385	0	NR	515	362	NR	645	454	NR	775	8	NR	905	0	NR
390	1	NR	520	385	NR	650	397	NR	780	7	NR	910	0	NR
395	3	NR	525	410	NR	655	348	NR	785	6	NR	915	0	NR
400	5	NR	530	437	NR	660	301	NR	790	5	NR	920	0	NR
405	10	NR	535	468	NR	665	261	NR	795	5	NR	925	0	NR
410	18	NR	540	505	NR	670	225	NR	800	4	NR	930	0	NR
415	32	NR	545	549	NR	675	193	NR	805	3	NR	935	0	NR
420	54	NR	550	600	NR	680	166	NR	810	3	NR	940	0	NR
425	89	NR	555	655	NR	685	142	NR	815	3	NR	945	0	NR
430	137	NR	560	721	NR	690	121	NR	820	2	NR	950	0	NR
435	204	NR	565	784	NR	695	103	NR	825	2	NR	955	0	NR
440	293	NR	570	851	NR	700	88	NR	830	2	NR	960	0	NR
445	425	NR	575	907	NR	705	75	NR	835	1	NR	965	0	NR
450	537	NR	580	956	NR	710	64	NR	840	1	NR	970	0	NR
455	484	NR	585	986	NR	715	54	NR	845	1	NR	975	0	NR
460	353	NR	590	1000	NR	720	46	NR	850	1	NR	980	0	NR
465	281	NR	595	996	NR	725	39	NR	855	1	NR	985	0	NR
470	224	NR	600	974	NR	730	34	NR	860	1	NR	990	0	NR
475	184	NR	605	938	NR	735	29	NR	865	1	NR	995	0	NR
480	177	NR	610	891	NR	740	24	NR	870	1	NR	1000	0	NR
485	189	NR	615	835	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-319-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.52**

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	211	NR	620	774	NR	750	18	NR	880	1	NR
365	0	NR	495	243	NR	625	705	NR	755	15	NR	885	0	NR
370	0	NR	500	276	NR	630	642	NR	760	13	NR	890	0	NR
375	0	NR	505	308	NR	635	575	NR	765	11	NR	895	0	NR
380	0	NR	510	336	NR	640	513	NR	770	10	NR	900	0	NR
385	0	NR	515	362	NR	645	454	NR	775	8	NR	905	0	NR
390	1	NR	520	385	NR	650	397	NR	780	7	NR	910	0	NR
395	3	NR	525	410	NR	655	348	NR	785	6	NR	915	0	NR
400	5	NR	530	437	NR	660	301	NR	790	5	NR	920	0	NR
405	10	NR	535	468	NR	665	261	NR	795	5	NR	925	0	NR
410	18	NR	540	505	NR	670	225	NR	800	4	NR	930	0	NR
415	32	NR	545	549	NR	675	193	NR	805	3	NR	935	0	NR
420	54	NR	550	600	NR	680	166	NR	810	3	NR	940	0	NR
425	89	NR	555	655	NR	685	142	NR	815	3	NR	945	0	NR
430	137	NR	560	721	NR	690	121	NR	820	2	NR	950	0	NR
435	204	NR	565	784	NR	695	103	NR	825	2	NR	955	0	NR
440	293	NR	570	851	NR	700	88	NR	830	2	NR	960	0	NR
445	425	NR	575	907	NR	705	75	NR	835	1	NR	965	0	NR
450	537	NR	580	956	NR	710	64	NR	840	1	NR	970	0	NR
455	484	NR	585	986	NR	715	54	NR	845	1	NR	975	0	NR
460	353	NR	590	1000	NR	720	46	NR	850	1	NR	980	0	NR
465	281	NR	595	996	NR	725	39	NR	855	1	NR	985	0	NR
470	224	NR	600	974	NR	730	34	NR	860	1	NR	990	0	NR
475	184	NR	605	938	NR	735	29	NR	865	1	NR	995	0	NR
480	177	NR	610	891	NR	740	24	NR	870	1	NR	1000	0	NR
485	189	NR	615	835	NR	745	21	NR	875	1	NR			

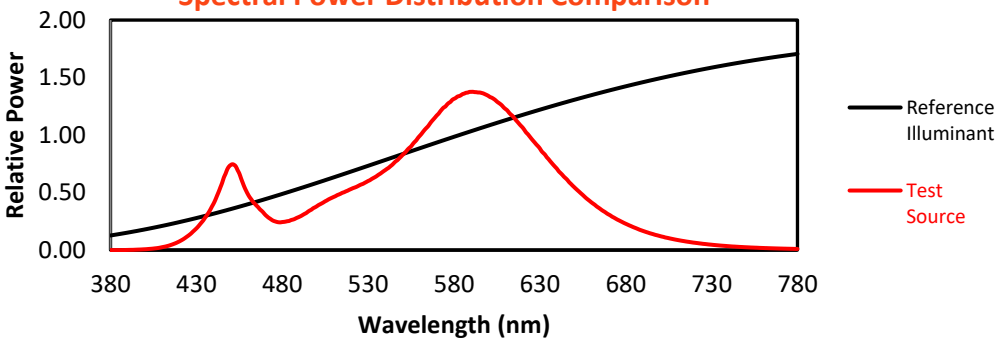
REPORT NUMBER: SP1-2501-319-10

TM-30-18

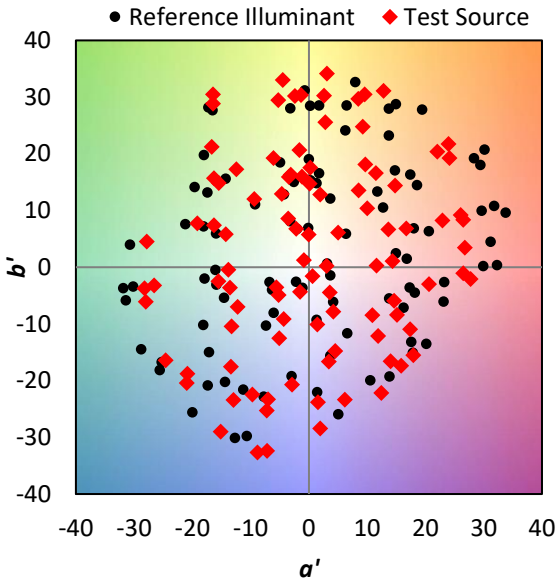
Summary

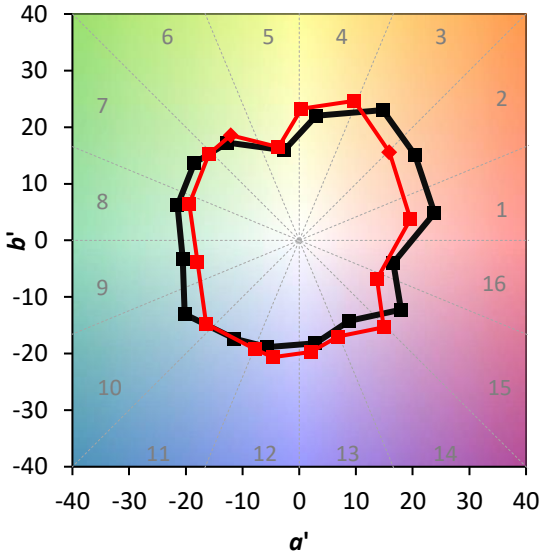
R_f = 76.5
R_g = 91.7
CIE R_a = 71.4
R_9 = -42.3

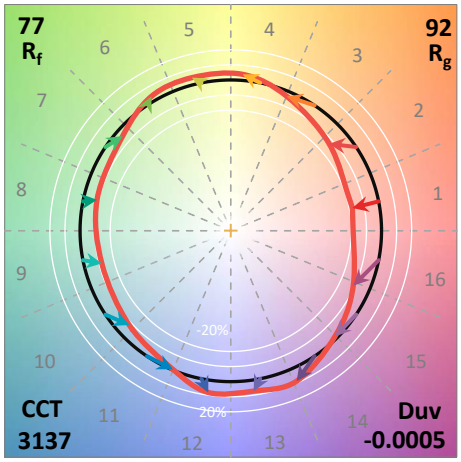
Spectral Power Distribution Comparison

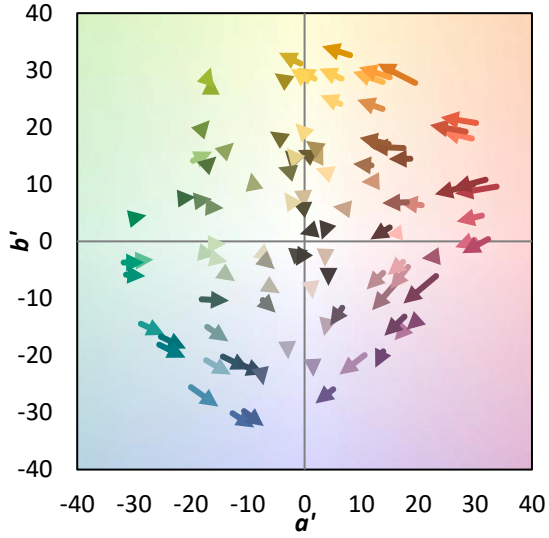


Color Vector Graphics







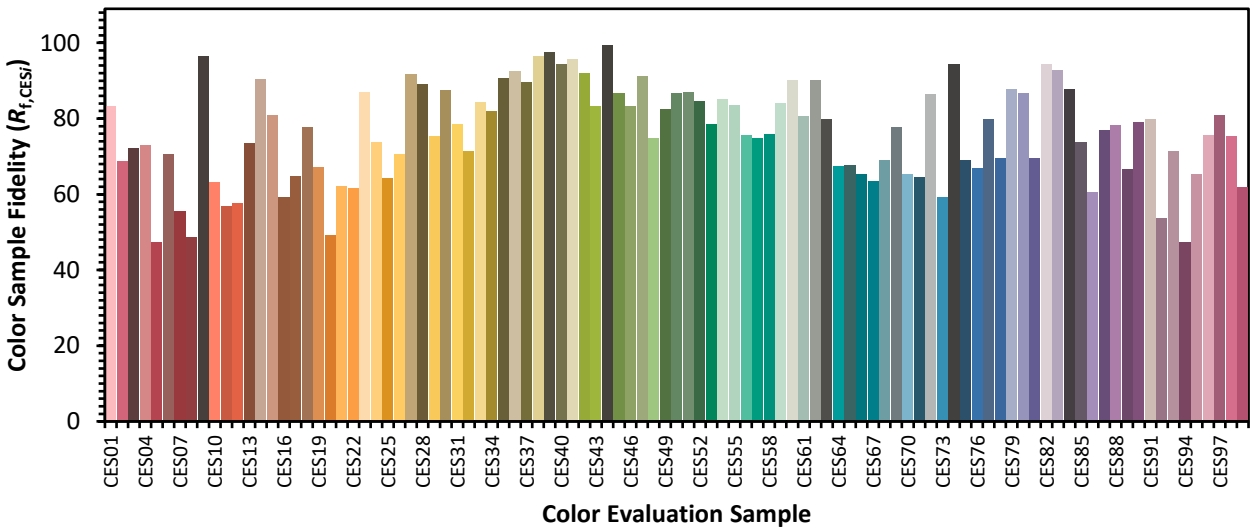


REPORT NUMBER: SP1-2501-319-10

TM-30-18

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

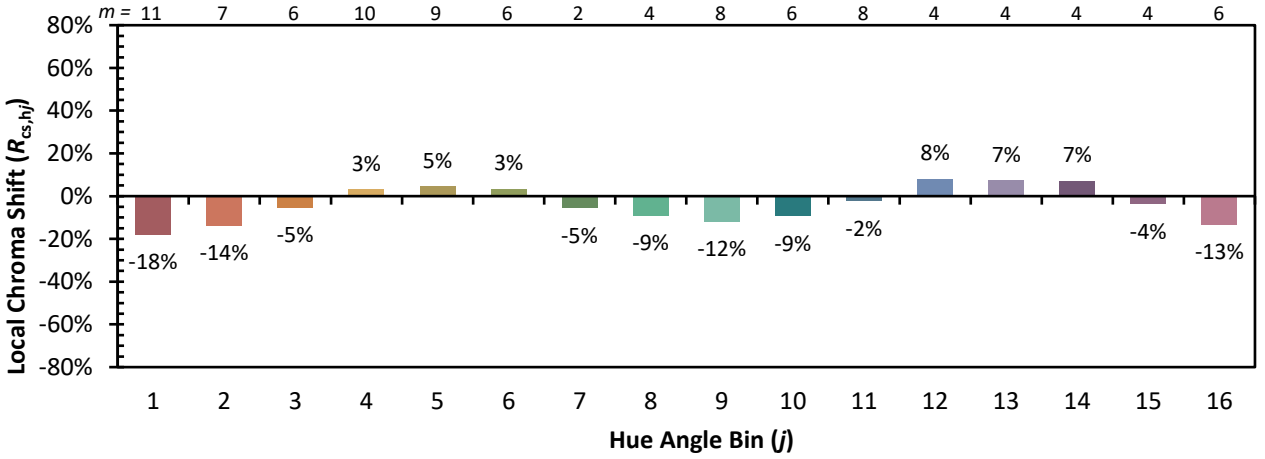
CES01 = 86	CES26 = 71	CES51 = 87	CES76 = 67
CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 89	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 88
CES05 = 49	CES30 = 88	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 70
CES07 = 41	CES32 = 71	CES57 = 75	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 76	CES83 = 93
CES09 = 29	CES34 = 82	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 74
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 90	CES62 = 90	CES87 = 77
CES13 = 43	CES38 = 96	CES63 = 80	CES88 = 78
CES14 = 74	CES39 = 98	CES64 = 67	CES89 = 67
CES15 = 71	CES40 = 94	CES65 = 68	CES90 = 79
CES16 = 47	CES41 = 96	CES66 = 65	CES91 = 80
CES17 = 50	CES42 = 92	CES67 = 64	CES92 = 54
CES18 = 56	CES43 = 83	CES68 = 69	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 65	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 65	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 59	CES98 = 75
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 62
CES25 = 72	CES50 = 87	CES75 = 69	

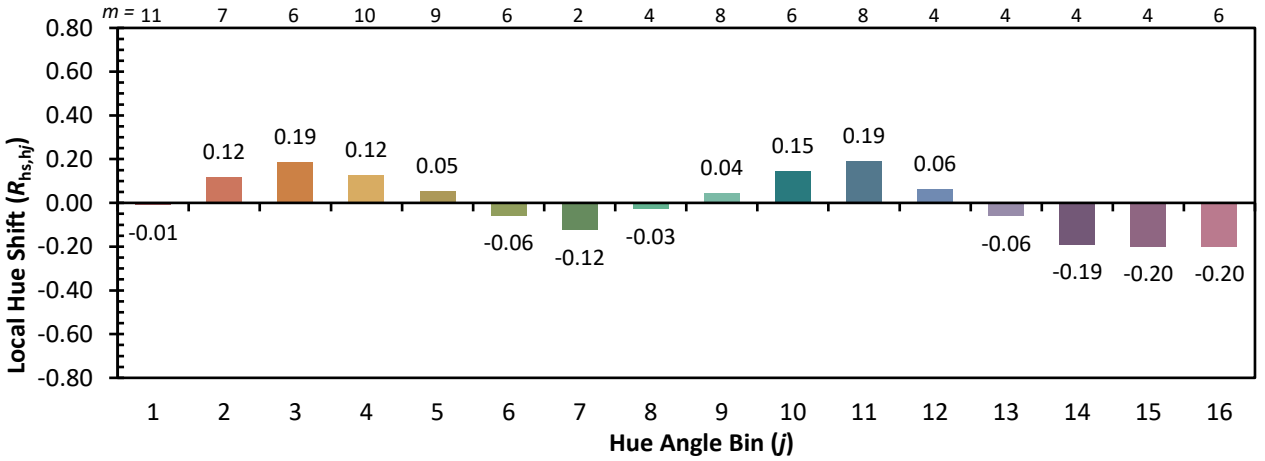


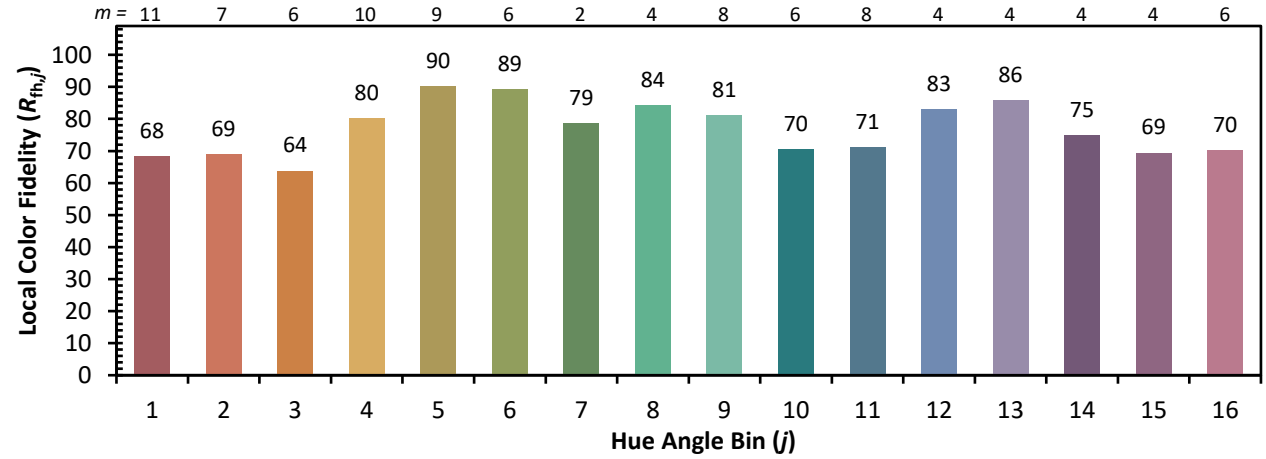
REPORT NUMBER: SP1-2501-319-10

TM-30-18

Color Rendition by Hue-Angle Bin



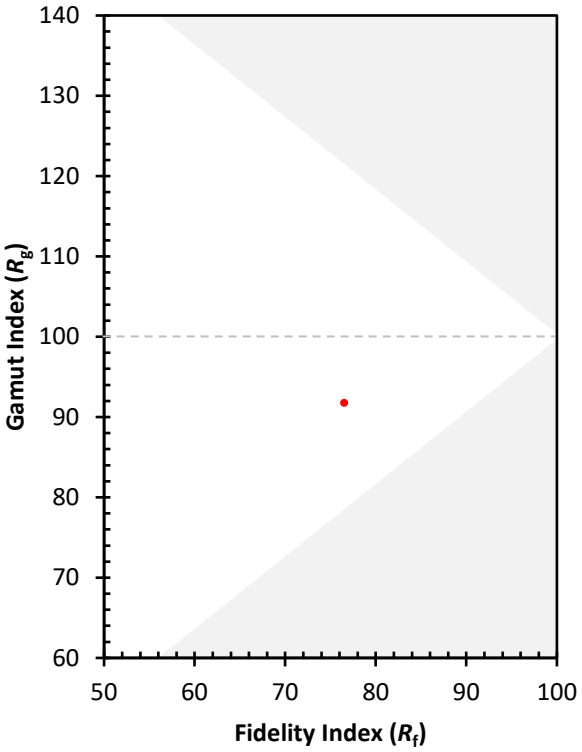


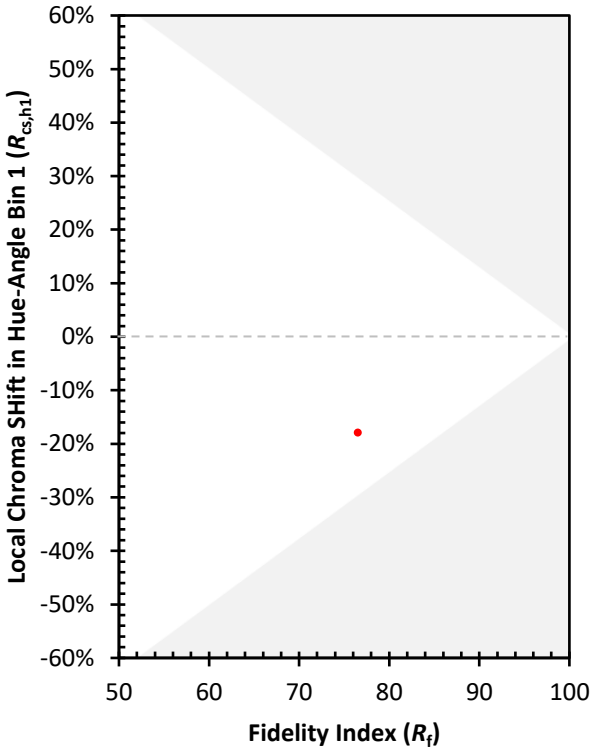


REPORT NUMBER: SP1-2501-319-10

TM-30-18

Measure Comparisons





(END OF REPORT)