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: P980948

Luminaire Tested: **NFFLD-L-C75-7027-66**

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:	P980948
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C75-7027-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 180W 70CRI 2700K LED FIXTURE NEMA 6
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27977.4 lumens
Efficiency:	N/A
Efficacy:	156.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G2

Input Watts (W):	179
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	3.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P980948
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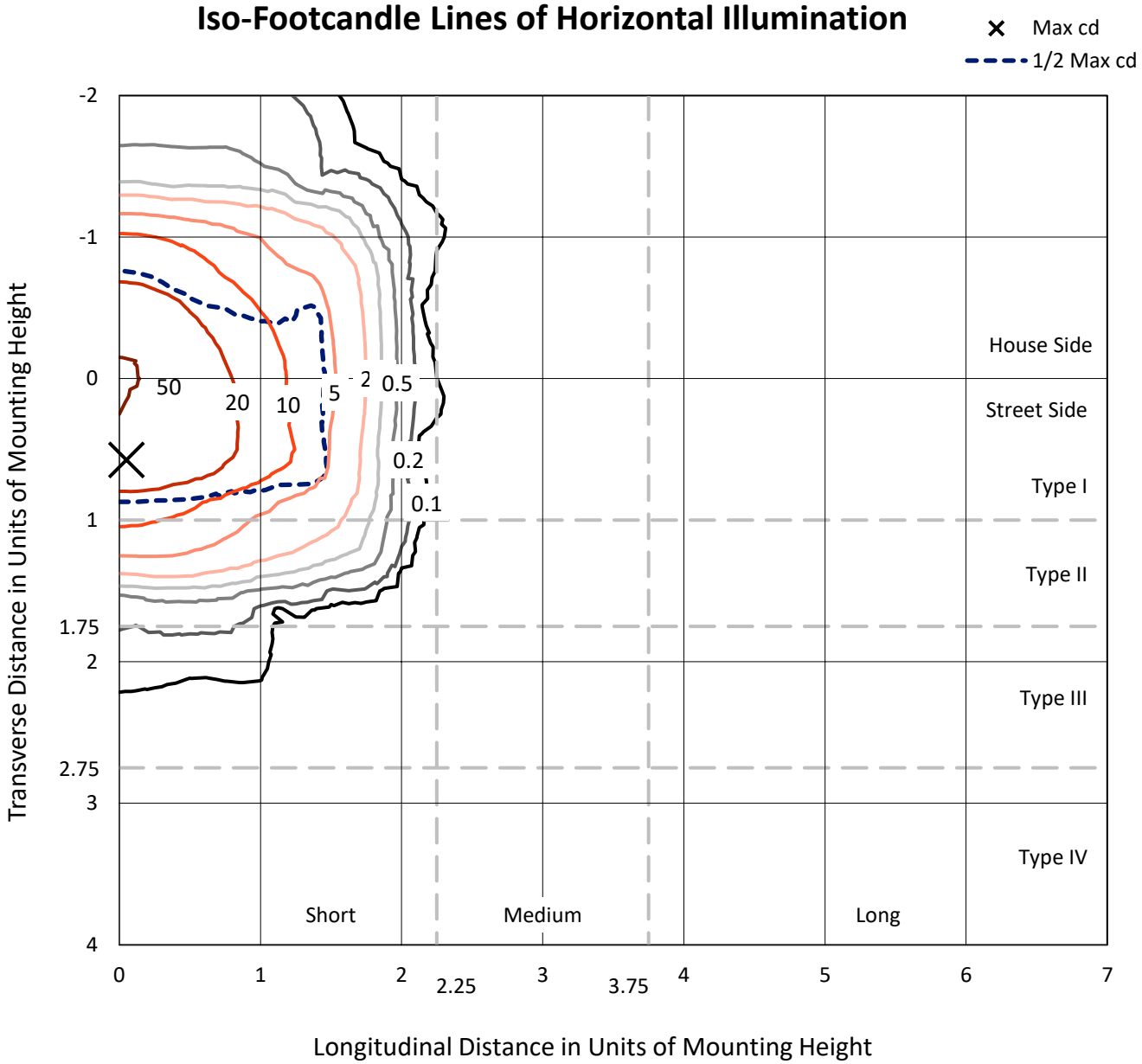
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 52 fc
Type I - Short - N/A

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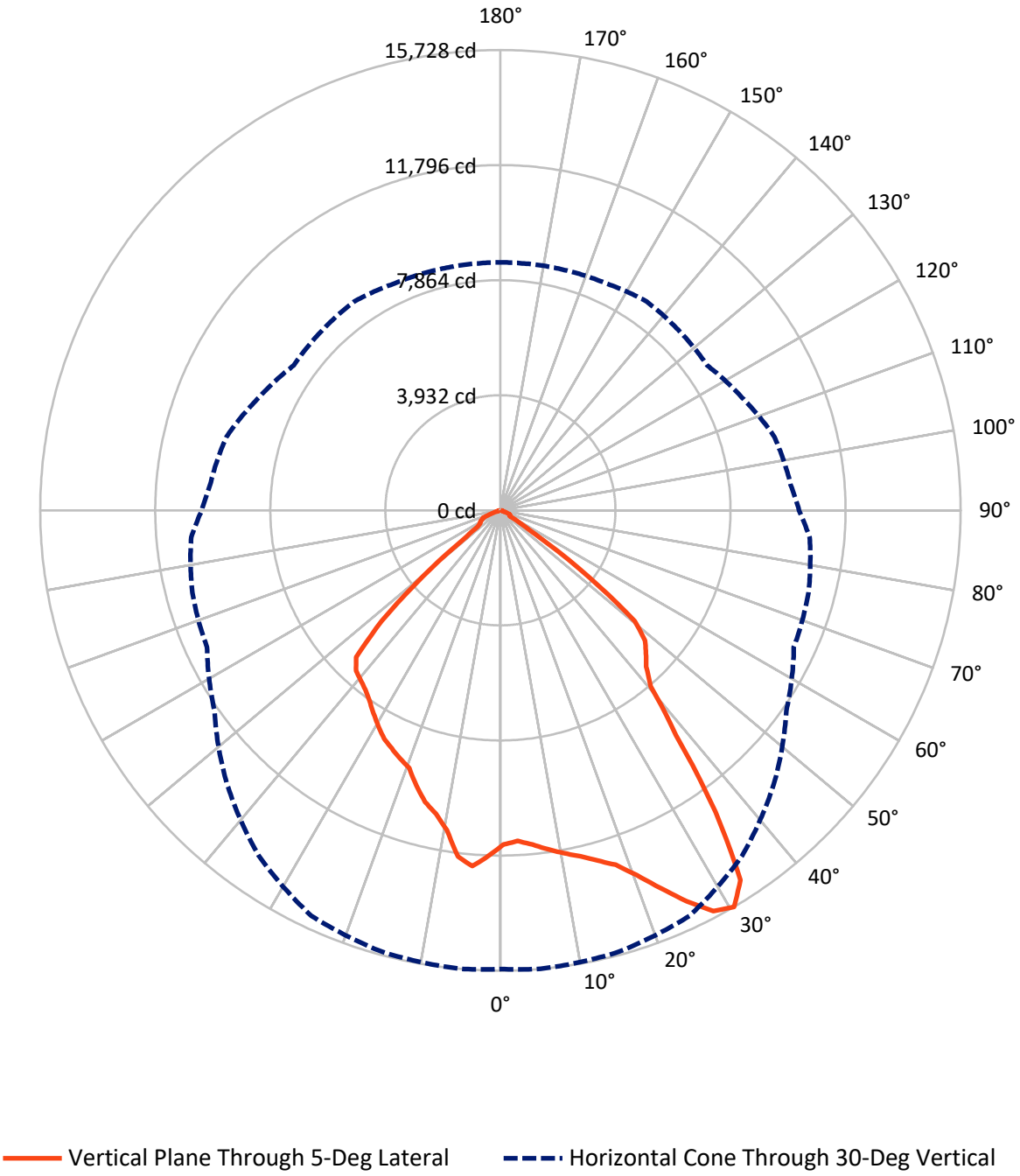
Luminous Intensity Polar Plot



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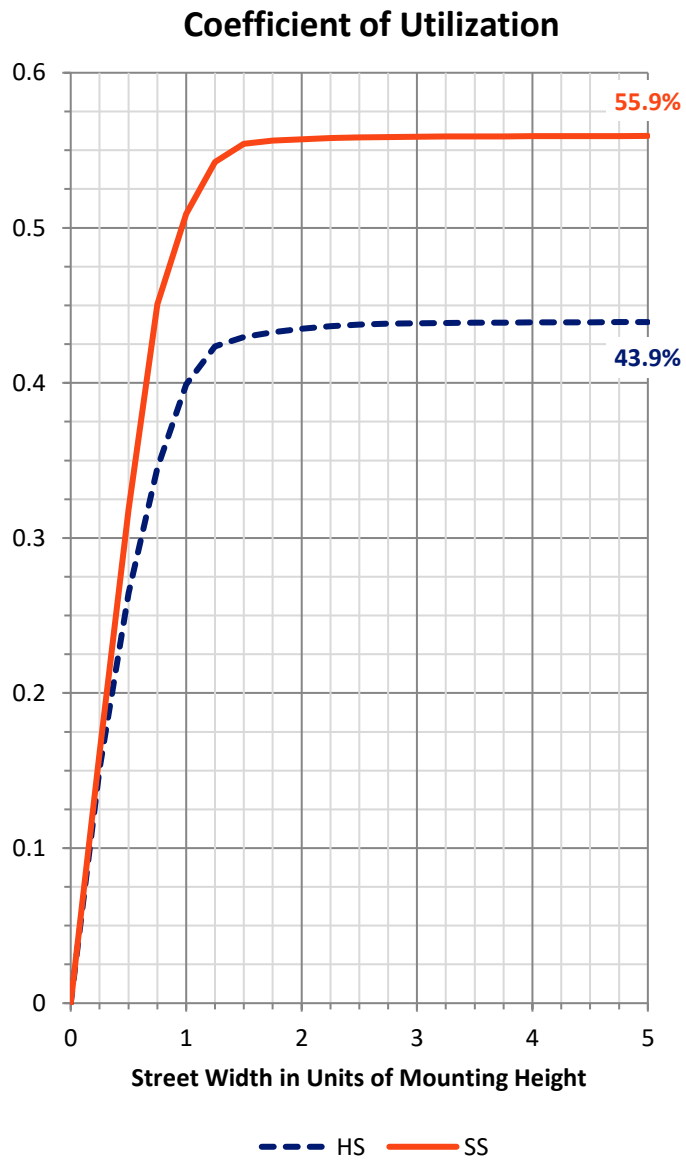
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12374.1	0.0	12374.1
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	15603.3	0.0	15603.3
	% Fixture	55.8	0.0	55.8
Total	Lumens	27977.4	0.0	27977.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1117.1	4.0
10°-20°	3236.0	11.6
20°-30°	5156.9	18.4
30°-40°	6446.9	23.0
40°-50°	6326.6	22.6
50°-60°	4523.1	16.2
60°-70°	1000.8	3.6
70°-80°	153.7	0.5
80°-90°	16.3	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°	27977.4	100.0
0°-180°	27977.4	100.0



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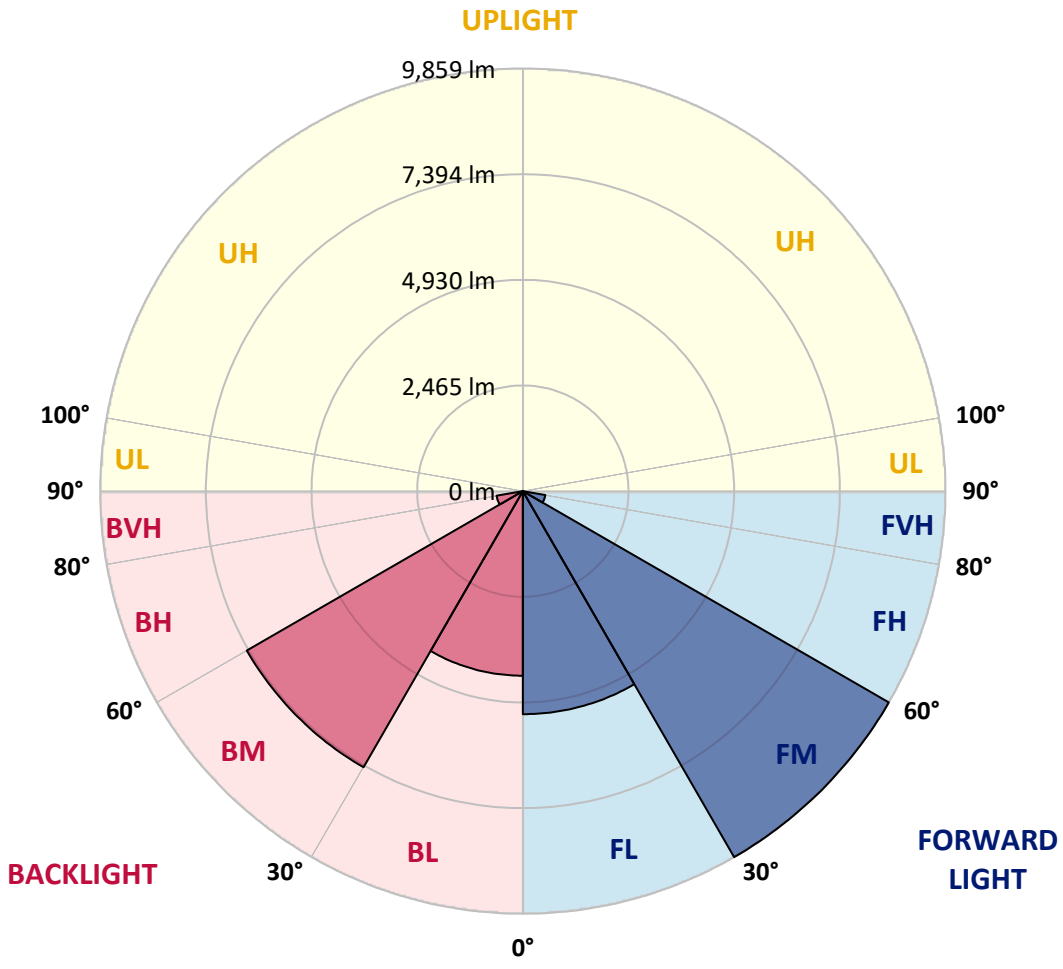
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5203.5	18.6			
FM	(30°-60°)	9859.2	35.2			
FH	(60°-80°)	532.3	1.9			G0/660
FVH	(80°-90°)	8.2	0.0			G0/10
BL	(0°-30°)	4306.4	15.4	B4/5000		
BM	(30°-60°)	7437.4	26.6	B4/8500		
BH	(60°-80°)	622.2	2.2	B2/1000		G2/1000
BVH	(80°-90°)	8.0	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-G2
Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4
2.5°	11291.6	11309.8	11328.1	11355.5	11392.0	11410.3	11392.0	11373.7	11364.6	11382.9	11392.0
5°	11446.8	11474.2	11483.3	11501.5	11519.8	11501.5	11492.4	11474.2	11465.0	11474.2	11501.5
7.5°	11675.0	11693.2	11684.1	11675.0	11665.8	11601.9	11538.1	11510.7	11510.7	11538.1	11611.1
10°	11875.8	11912.3	11866.7	11830.2	11766.3	11665.8	11556.3	11492.4	11510.7	11565.4	11656.7
12.5°	12131.4	12131.4	12085.7	12049.2	11903.2	11784.5	11638.5	11538.1	11538.1	11638.5	11738.9
15°	12441.7	12414.4	12396.1	12295.7	12122.3	11930.6	11748.0	11601.9	11574.6	11729.7	11793.6
17.5°	12834.3	12733.8	12688.2	12514.8	12277.4	12031.0	11784.5	11665.8	11583.7	11748.0	11675.0
20°	13372.8	13299.8	13153.7	12879.9	12396.1	12076.6	11784.5	11629.3	11565.4	11656.7	11583.7
22.5°	14066.6	14020.9	13692.3	13345.4	12706.5	12113.1	11738.9	11528.9	11510.7	11465.0	11309.8
25°	14915.5	14796.8	14459.1	13966.2	13172.0	12469.1	11729.7	11346.4	11282.5	11163.8	10889.9
27.5°	15636.6	15508.8	15098.1	14659.9	13811.0	12998.6	11802.8	11127.3	11054.3	10972.1	10634.4
30°	15673.1	15727.9	15618.4	15289.7	14404.3	13217.6	11930.6	11063.4	10899.1	10607.0	10205.3
32.5°	14933.7	15061.5	15326.3	15444.9	14851.6	13482.4	12040.1	11090.8	10789.5	10086.7	9758.1
35°	12405.2	12660.8	13747.1	14769.4	14979.4	13865.7	12131.4	11090.8	10753.0	9712.4	9456.8
37.5°	9529.8	9739.8	10661.7	12514.8	14413.4	14103.1	12332.2	11026.9	10707.4	9739.8	9392.9
40°	7786.4	7905.0	8306.7	9566.4	12423.5	13710.6	12533.0	11099.9	10570.5	9758.1	9429.4
42.5°	7311.7	7302.6	7220.4	7685.9	9475.1	12560.4	12669.9	11282.5	10342.3	9639.4	9365.5
45°	6992.2	6973.9	6900.9	6992.2	7494.3	10278.4	12569.5	11611.1	10059.3	9219.5	9036.9
47.5°	6645.3	6654.5	6627.1	6663.6	6572.3	7804.6	12003.6	11748.0	9575.5	8516.6	8452.7
50°	5814.7	5951.6	6316.7	6353.2	6115.9	6298.5	10278.4	11684.1	9228.6	8315.8	8261.0
52.5°	3614.8	3833.8	4911.0	5823.8	5686.9	5686.9	7841.1	11775.4	8607.9	8242.8	8279.3
55°	1277.9	1442.3	2628.9	4007.3	5093.5	5193.9	6198.1	10479.2	8534.9	8370.6	8407.1
57.5°	319.5	392.5	803.3	1734.4	3432.2	4710.2	5540.8	8653.5	6481.0	6252.8	6344.1
60°	374.3	365.1	502.1	556.8	1332.7	3724.3	4993.1	5842.1	4180.7	3916.0	3961.6
62.5°	401.6	374.3	392.5	492.9	219.1	1825.6	3979.9	3477.8	1725.2	1277.9	1351.0
65°	356.0	337.7	310.4	456.4	155.2	337.7	2345.9	1022.4	246.5	392.5	356.0
67.5°	237.3	246.5	255.6	365.1	146.1	146.1	310.4	255.6	173.4	356.0	310.4
70°	136.9	146.1	173.4	219.1	146.1	118.7	136.9	209.9	146.1	356.0	310.4
72.5°	82.2	82.2	82.2	91.3	146.1	100.4	91.3	173.4	127.8	328.6	310.4
75°	63.9	63.9	63.9	54.8	127.8	63.9	63.9	136.9	109.5	237.3	237.3
77.5°	54.8	54.8	54.8	45.6	73.0	54.8	54.8	100.4	100.4	118.7	136.9
80°	36.5	36.5	36.5	36.5	45.6	45.6	36.5	54.8	45.6	54.8	63.9
82.5°	18.3	27.4	27.4	18.3	27.4	27.4	27.4	36.5	27.4	36.5	36.5
85°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	18.3	9.1	9.1	18.3
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: P980948
CATALOG NUMBER: NFFLD-L-C75-7027-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4	11419.4
2.5°	11410.3	11455.9	11519.8	11620.2	11656.7	11720.6	11775.4	11821.0	11821.0	11802.8
5°	11556.3	11684.1	11857.5	12012.7	12067.5	12131.4	12158.8	12204.4	12195.3	12186.2
7.5°	11684.1	11884.9	12067.5	12177.0	12158.8	12076.6	12021.8	11948.8	11921.4	11939.7
10°	11784.5	11967.1	12049.2	11976.2	11757.1	11565.4	11319.0	11154.7	11072.5	11099.9
12.5°	11821.0	11884.9	11811.9	11410.3	11136.4	10953.8	10753.0	10643.5	10597.8	10607.0
15°	11830.2	11684.1	11282.5	10981.2	10780.4	10552.2	10387.9	10287.5	10287.5	10296.6
17.5°	11638.5	11282.5	10935.6	10707.4	10424.4	10187.1	10095.8	10059.3	9831.1	9867.6
20°	11465.0	10953.8	10762.2	10406.2	10068.4	9913.2	9383.8	9329.0	9338.2	9347.3
22.5°	11099.9	10716.5	10543.1	10077.5	9694.2	9265.1	9192.1	9137.3	9146.5	9146.5
25°	10597.8	10378.8	10141.4	9657.6	9192.1	9109.9	9055.2	8982.2	8945.6	8954.8
27.5°	10314.9	10041.0	9602.9	9192.1	8890.9	8927.4	8863.5	8753.9	8753.9	8763.1
30°	*9958.9*	*9694.2*	*9109.9*	*8626.2*	*8653.5*	*8708.3*	*8553.1*	*8498.4*	*8471.0*	*8471.0*
32.5°	9520.7	9155.6	8644.4	8188.0	8352.3	8334.1	8142.4	8160.6	8178.9	8160.6
35°	9192.1	8717.4	8288.4	8041.9	7978.1	7905.0	7804.6	7868.5	7895.9	7877.6
37.5°	9109.9	8544.0	8096.7	7923.3	7676.8	7539.9	7567.3	7631.2	7667.7	7658.6
40°	9082.6	8370.6	7932.4	7749.8	7421.2	7302.6	7339.1	7466.9	7512.5	7503.4
42.5°	9046.1	8251.9	7832.0	7612.9	7156.5	7074.4	7247.8	7366.5	7375.6	7366.5
45°	8854.4	8124.1	7768.1	7329.9	6754.9	6855.3	7074.4	7138.3	7028.7	6983.1
47.5°	8407.1	7886.8	7576.4	6983.1	6426.3	6617.9	6645.3	5951.6	5549.9	5458.7
50°	8279.3	7895.9	7357.3	6572.3	6225.4	6417.1	5221.3	3989.0	3487.0	3386.6
52.5°	8242.8	7804.6	7439.5	6143.3	6152.4	5413.0	3295.3	1953.4	1570.1	1497.0
55°	8334.1	8206.3	7576.4	5887.7	5723.4	3523.5	1533.5	921.9	949.3	921.9
57.5°	6289.3	6864.4	7740.7	5486.1	4180.7	1697.8	967.6	894.6	830.7	812.4
60°	3925.1	4472.8	5668.6	4719.3	2145.1	1013.2	985.8	830.7	803.3	794.2
62.5°	1296.2	1989.9	3249.6	3103.6	593.3	1004.1	995.0	739.4	739.4	739.4
65°	328.6	337.7	894.6	1068.0	438.2	894.6	949.3	693.7	675.5	702.9
67.5°	283.0	255.6	474.7	419.9	365.1	620.7	830.7	666.4	629.8	629.8
70°	283.0	301.2	465.5	392.5	228.2	337.7	602.5	410.8	365.1	337.7
72.5°	264.7	292.1	410.8	356.0	155.2	164.3	264.7	136.9	127.8	109.5
75°	228.2	237.3	319.5	319.5	164.3	82.2	109.5	91.3	91.3	82.2
77.5°	155.2	118.7	182.6	228.2	118.7	54.8	45.6	45.6	45.6	36.5
80°	82.2	45.6	45.6	36.5	45.6	45.6	27.4	36.5	36.5	27.4
82.5°	45.6	27.4	27.4	18.3	18.3	27.4	18.3	18.3	18.3	18.3
85°	18.3	18.3	9.1	9.1	9.1	18.3	9.1	9.1	9.1	9.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	9.1
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: SP1-2501-319-9

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7027-66

Data in this report applies to families of products including NFFLD-C55-7027-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

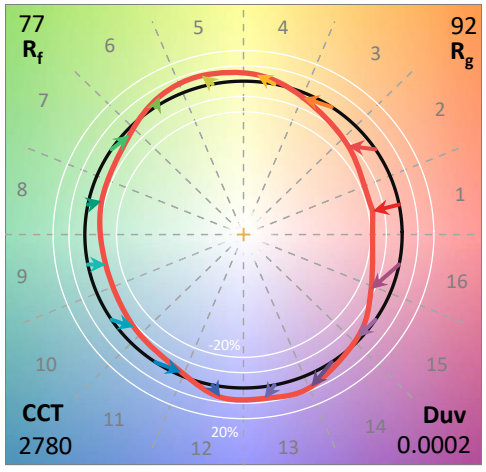
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-9
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-C55-7027-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	2780	CRI (Ra):	72.0		
CIE u':	0.2590	R1:	68.2	R9:	-35.8
CIE v':	0.5260	R2:	85.1	R10:	68.0
Duv:	0.0002	R3:	93.3	R11:	62.3
CIE x:	0.4536	R4:	66.5	R12:	62.2
CIE y:	0.4095	R5:	68.5	R13:	71.6
CIE z:	0.1369	R6:	81.1	R14:	96.6
Peak Wavelength (nm):	597	R7:	74.6	R15:	59.0
Dominant Wavelength (nm):	583	R8:	38.9		
Purity:	59.08593				

Rf:	77.4
Rg:	92.5



Test Conditions

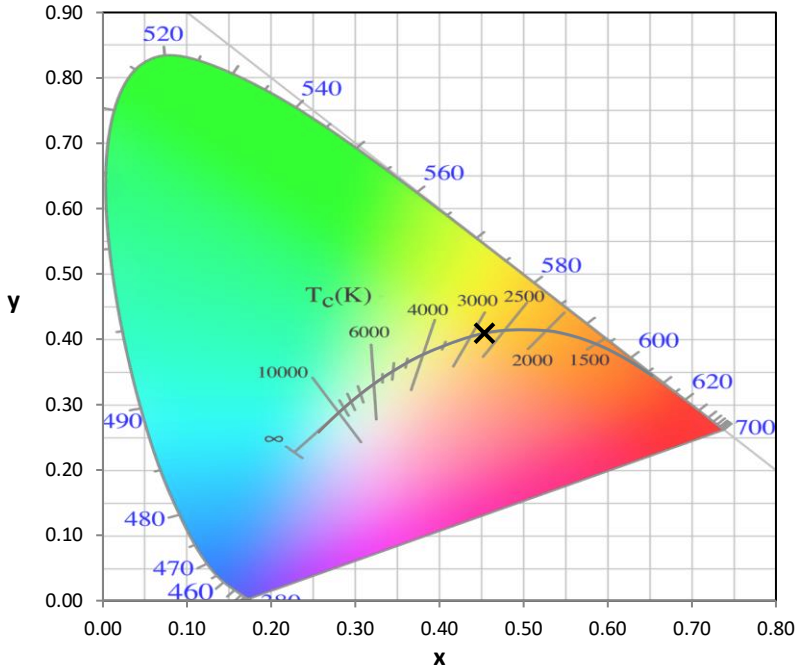
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-9

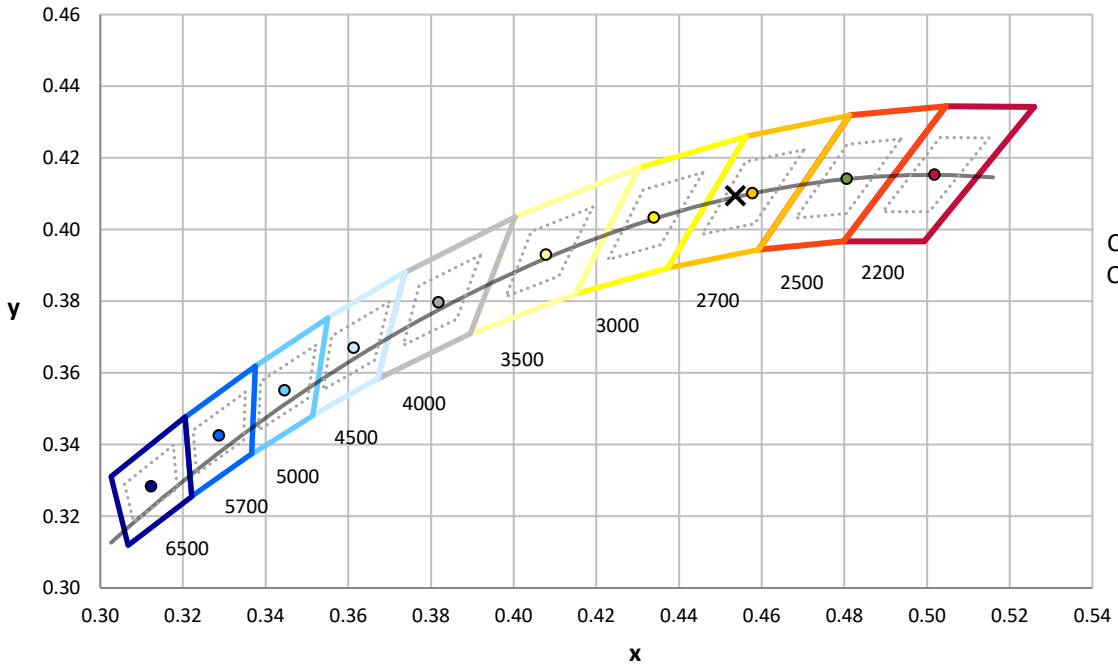
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-9

CIE 1931 Chromaticity Diagram



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

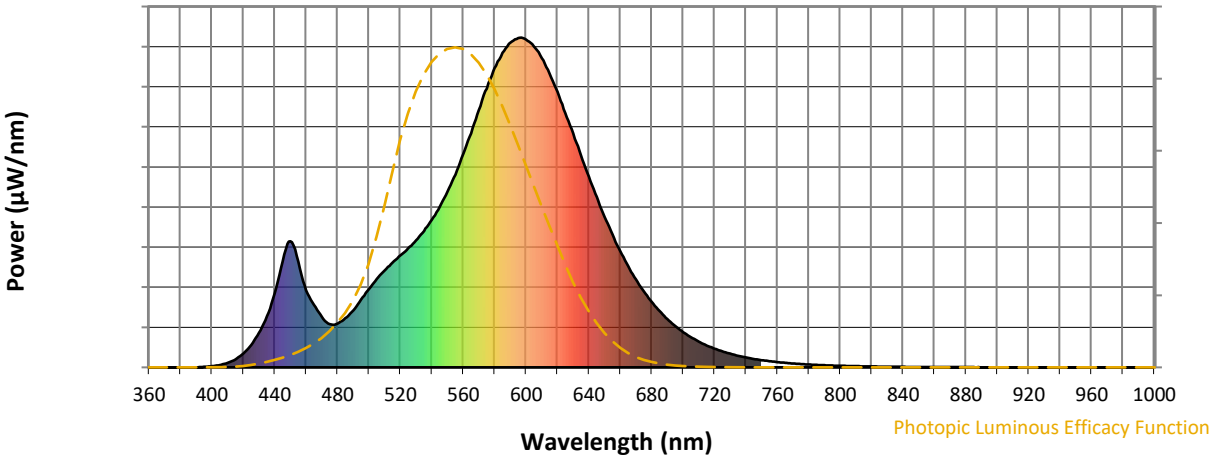


CCT = 2780K
CIE x = 0.4536
CIE y = 0.4095
Duv = 0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-9

Photopic Flux vs. Wavelength

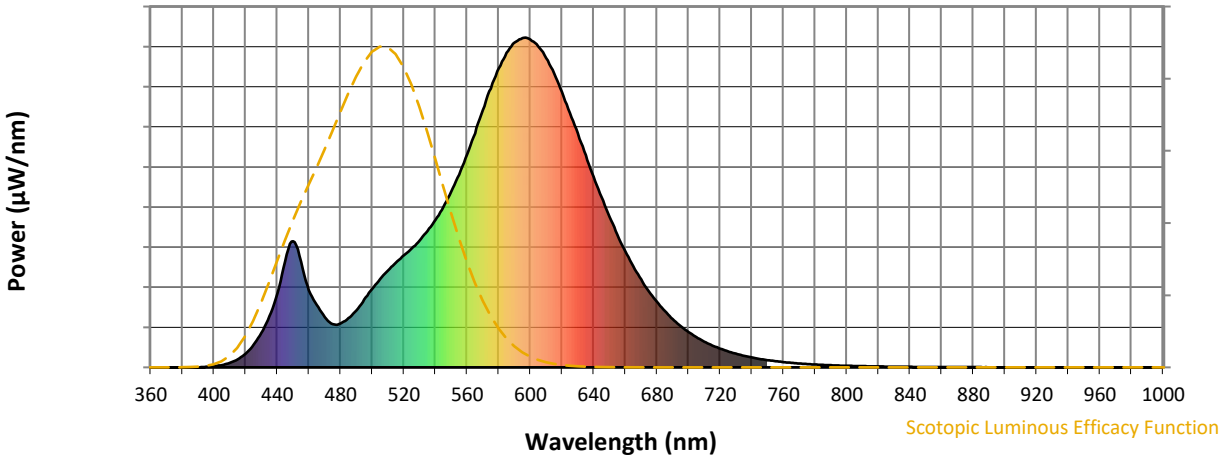


Photopic Lumens: NR

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	173	NR	620	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-319-9

Scotopic Flux vs. Wavelength

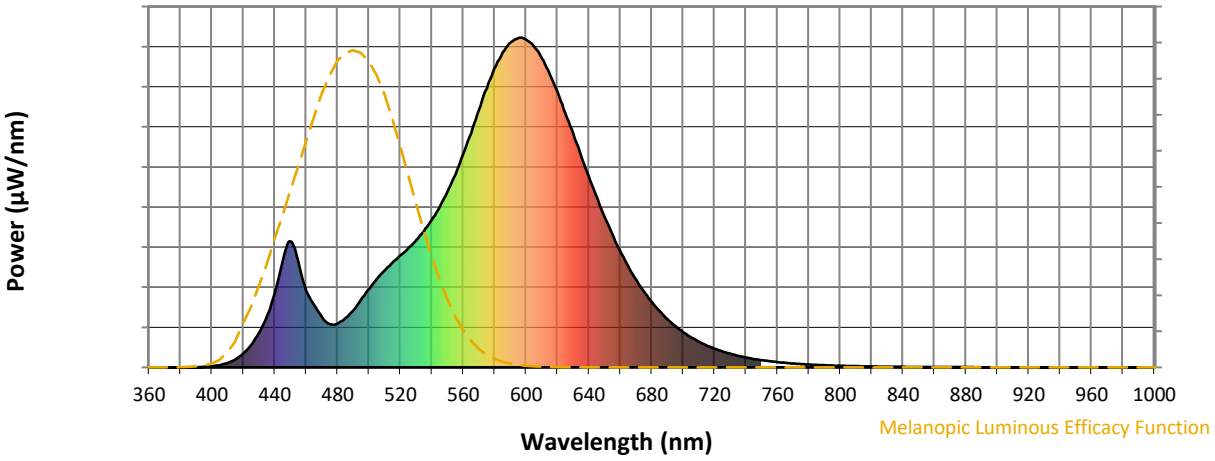


Scotopic Lumens: NR **S/P: 1.17**

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	173	NR	620	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-319-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	173	NR	620	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

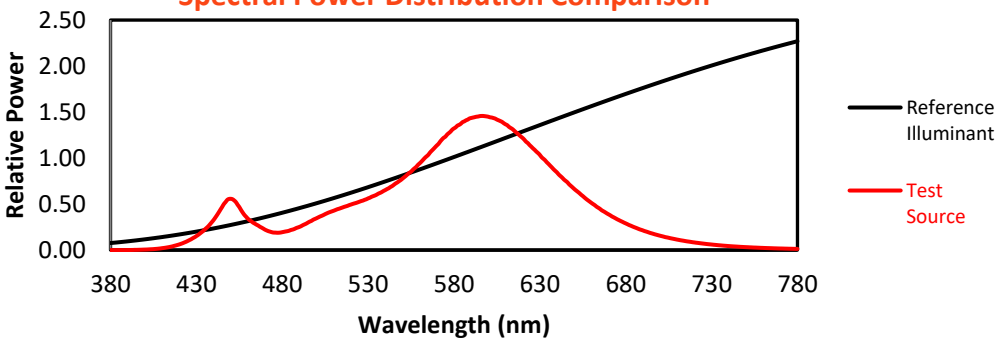
REPORT NUMBER: SP1-2501-319-9

TM-30-18

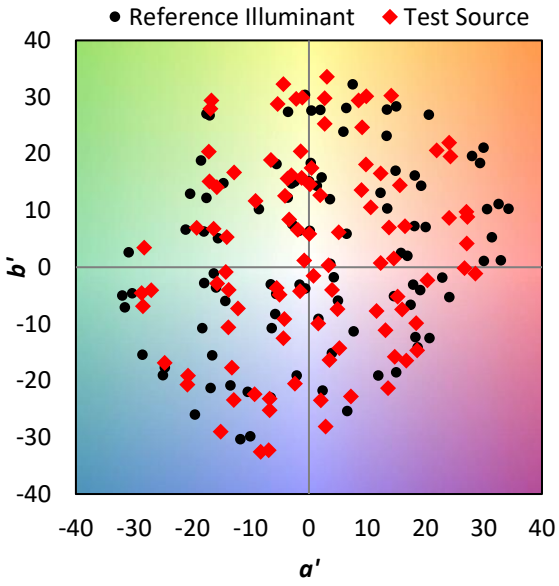
Summary

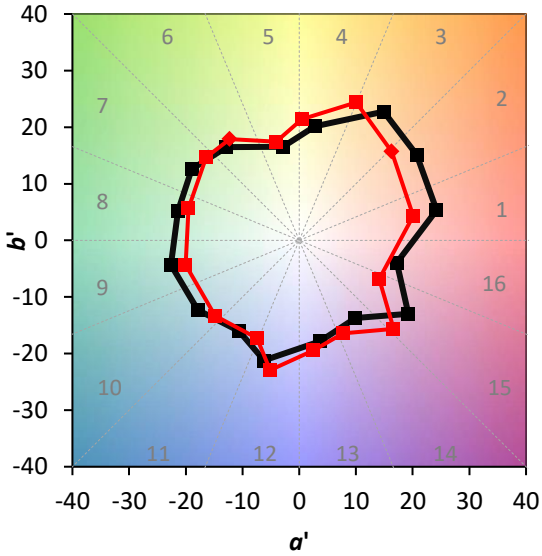
R_f = 77.4
R_g = 92.5
CIE R_a = 72.0
R_9 = -35.8

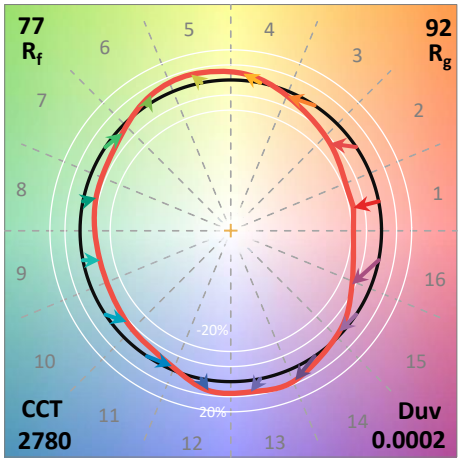
Spectral Power Distribution Comparison

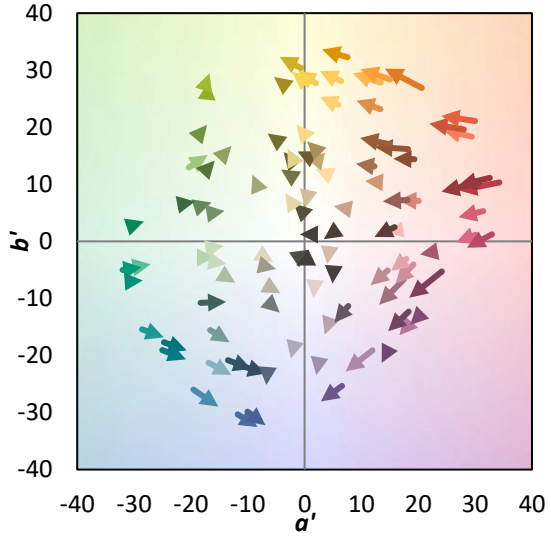


Color Vector Graphics







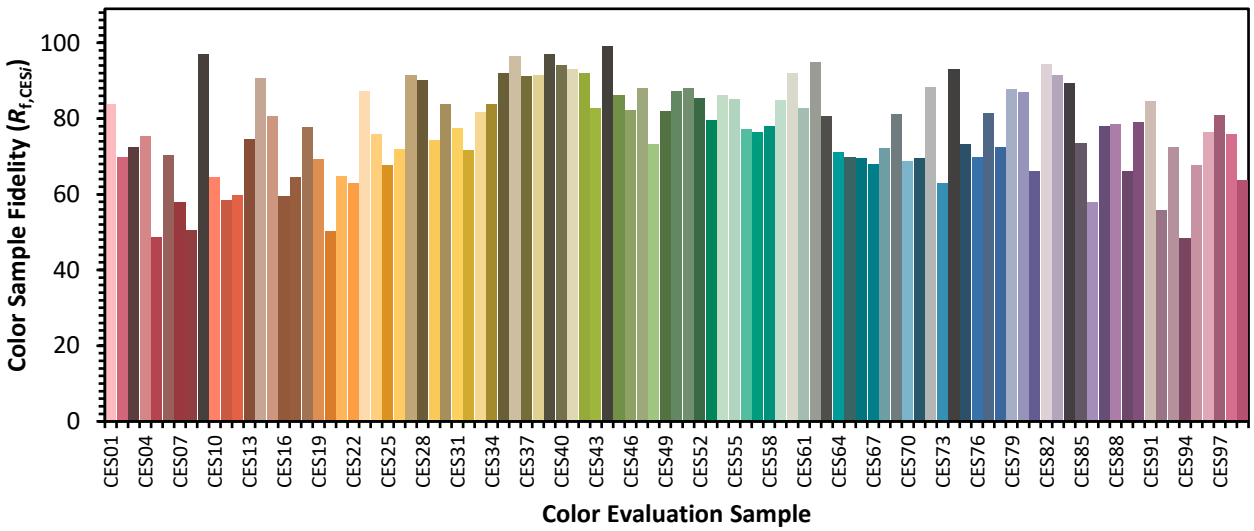


REPORT NUMBER: SP1-2501-319-9

TM-30-18

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

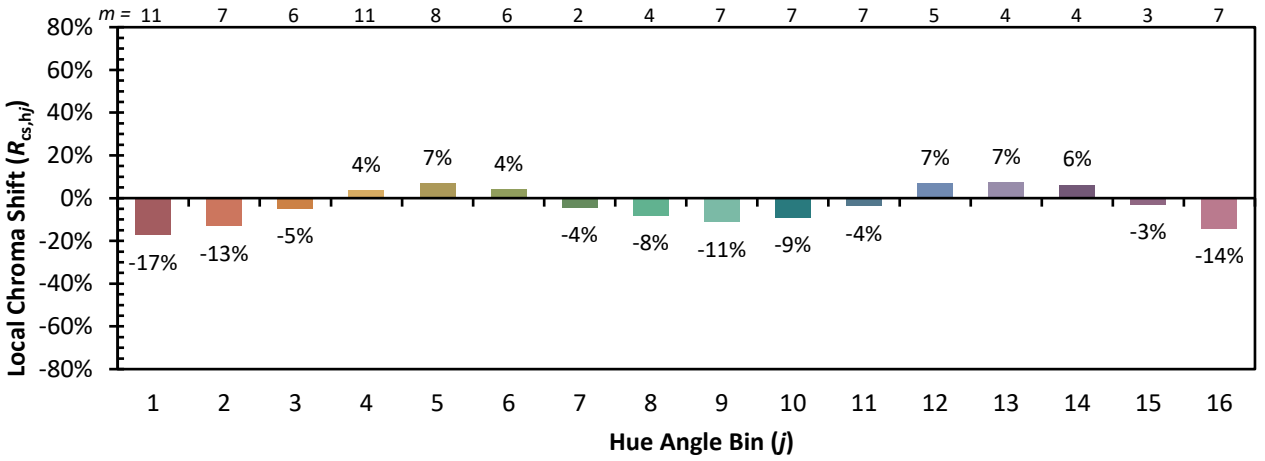
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 70
CES02 = 63	CES27 = 91	CES52 = 85	CES77 = 81
CES03 = 31	CES28 = 90	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 74	CES54 = 86	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 85	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 77	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 76	CES82 = 95
CES08 = 40	CES33 = 82	CES58 = 78	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 74
CES11 = 60	CES36 = 96	CES61 = 83	CES86 = 58
CES12 = 66	CES37 = 91	CES62 = 95	CES87 = 78
CES13 = 43	CES38 = 92	CES63 = 81	CES88 = 78
CES14 = 74	CES39 = 97	CES64 = 71	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 70	CES90 = 79
CES16 = 47	CES41 = 93	CES66 = 70	CES91 = 85
CES17 = 50	CES42 = 92	CES67 = 68	CES92 = 56
CES18 = 57	CES43 = 83	CES68 = 72	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 81	CES94 = 48
CES20 = 67	CES45 = 86	CES70 = 69	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 70	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 88	CES97 = 81
CES23 = 92	CES48 = 73	CES73 = 63	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 87	CES75 = 73	

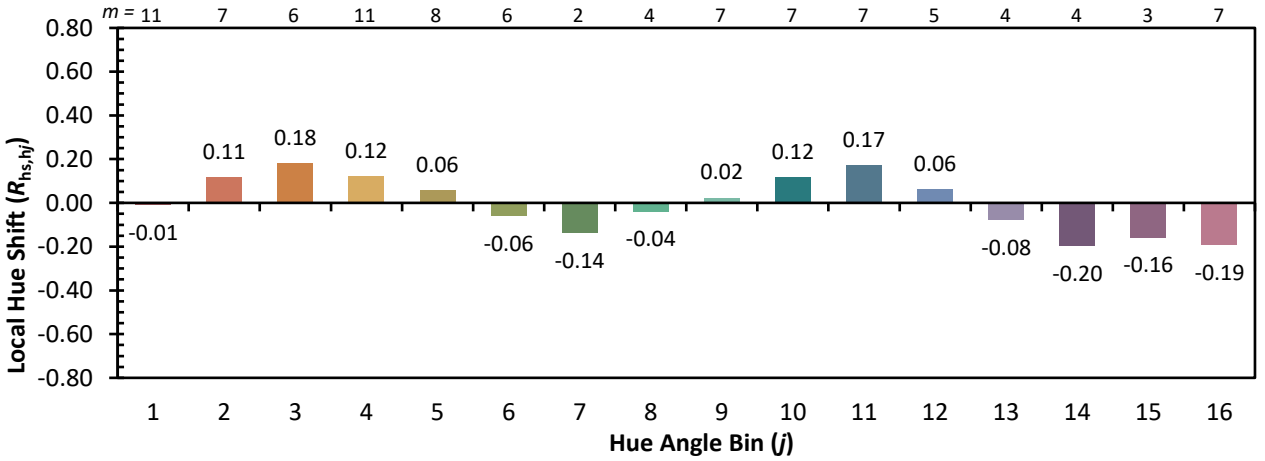


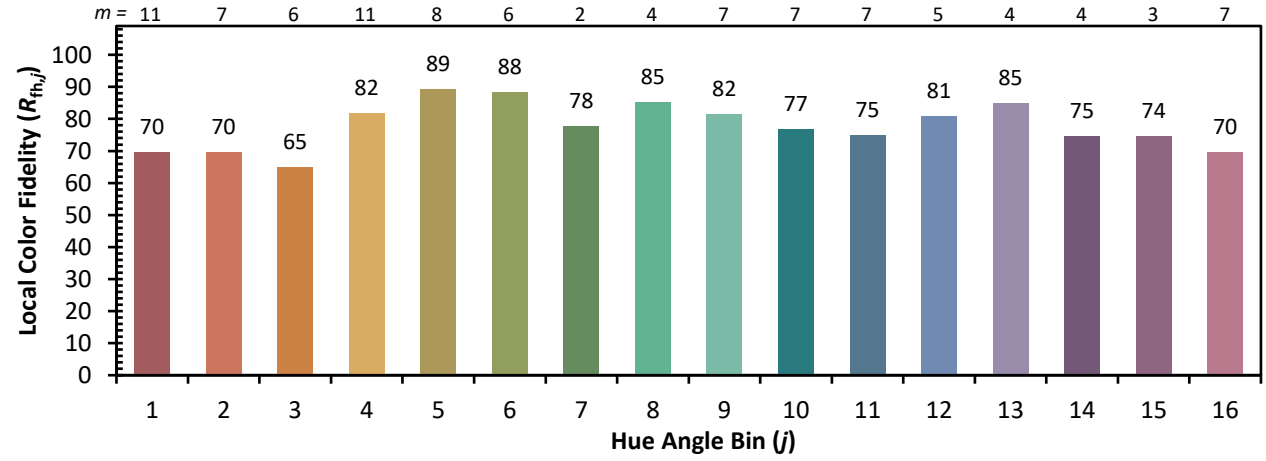
REPORT NUMBER: SP1-2501-319-9

TM-30-18

Color Rendition by Hue-Angle Bin



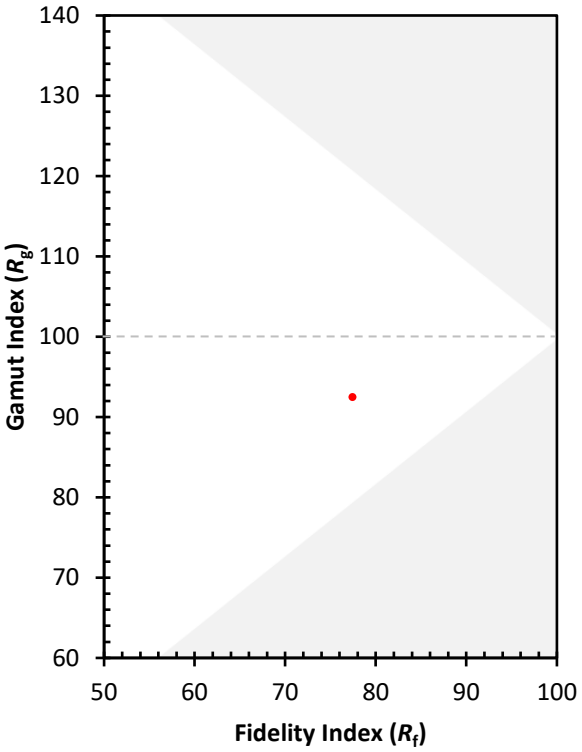


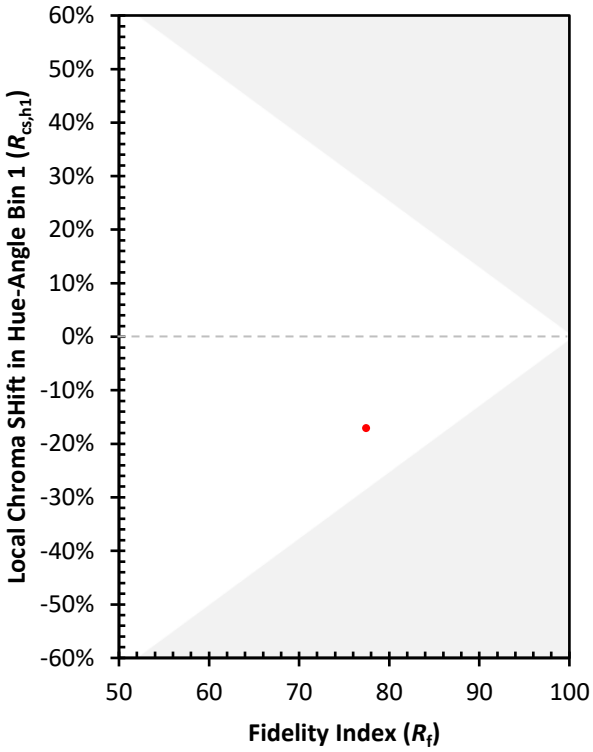


REPORT NUMBER: SP1-2501-319-9

TM-30-18

Measure Comparisons





(END OF REPORT)