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: P980946

Luminaire Tested: **NFFLD-C55-7027-66**

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:	P980946
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C55-7027-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 150W 70CRI 2700K LED FIXTURE NEMA 6
Light Source:	(2) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22644.9 lumens
Efficiency:	N/A
Efficacy:	150.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G2

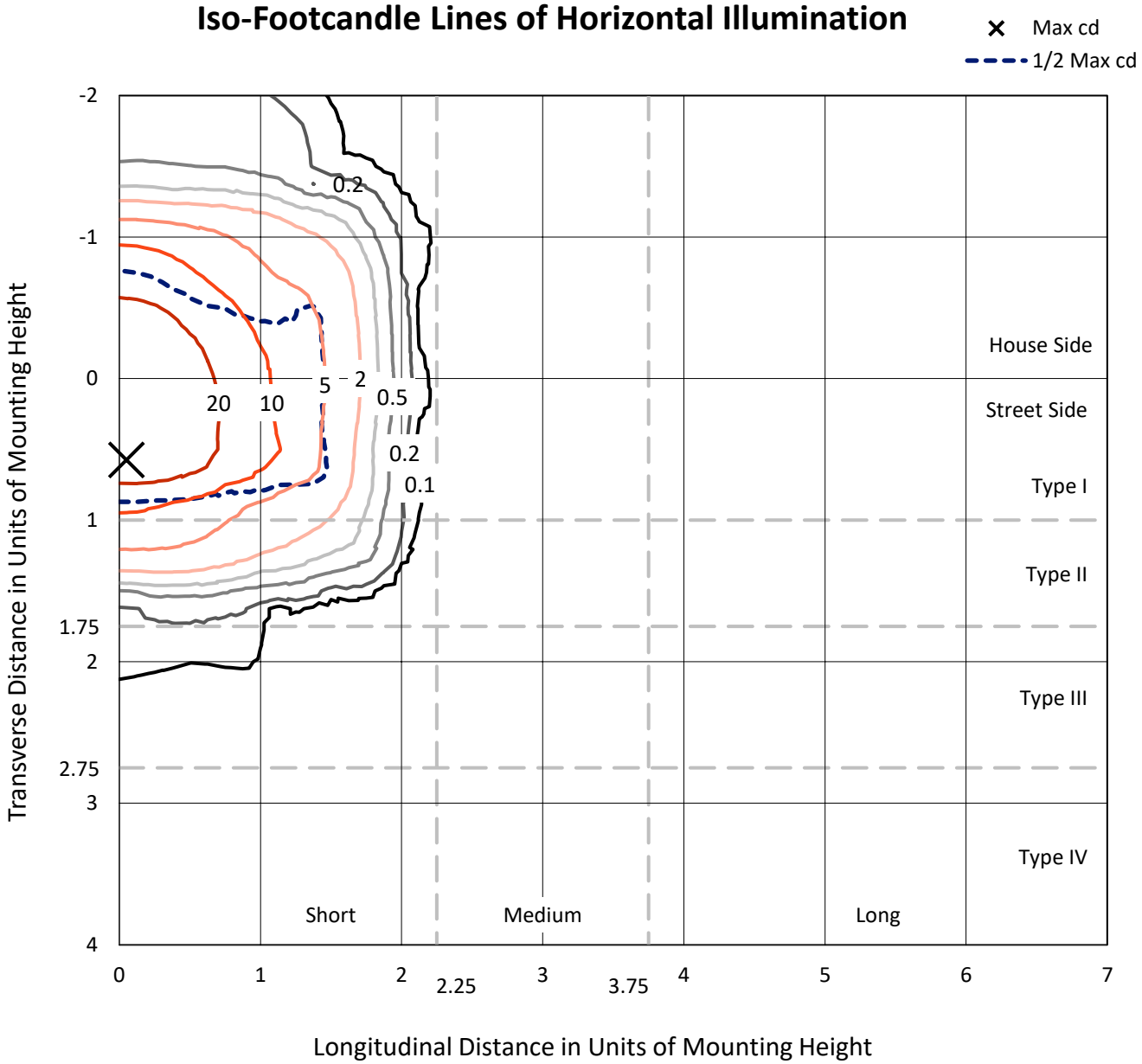
Input Watts (W):	150.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.83%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980946
CATALOG NUMBER: NFFLD-C55-7027-66

Iso-Footcandle Lines of Horizontal Illumination



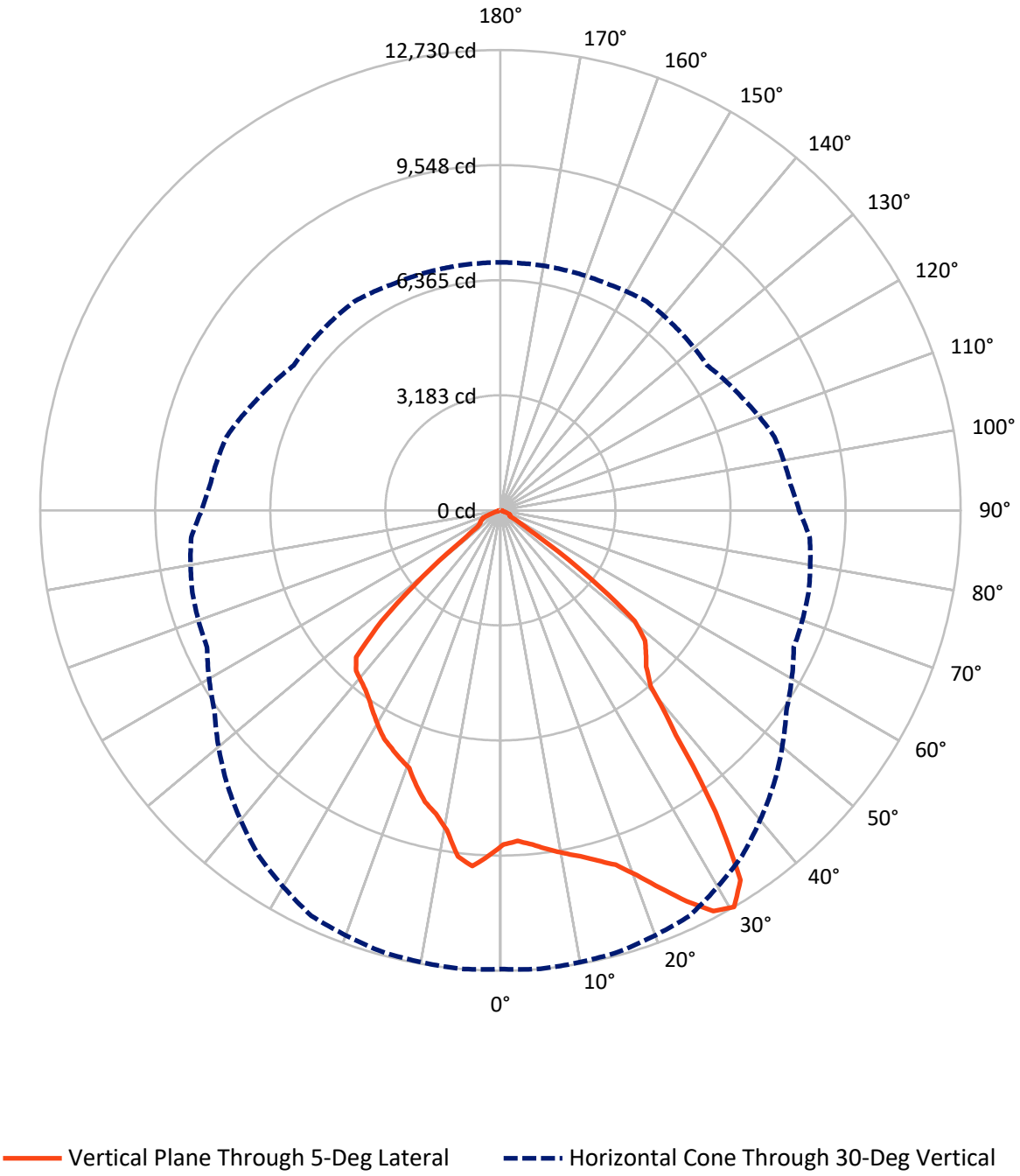
Based on 15 foot mounting height. Maximum calculated value = 42.1 fc
Type I - Short - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980946
CATALOG NUMBER: NFFLD-C55-7027-66

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

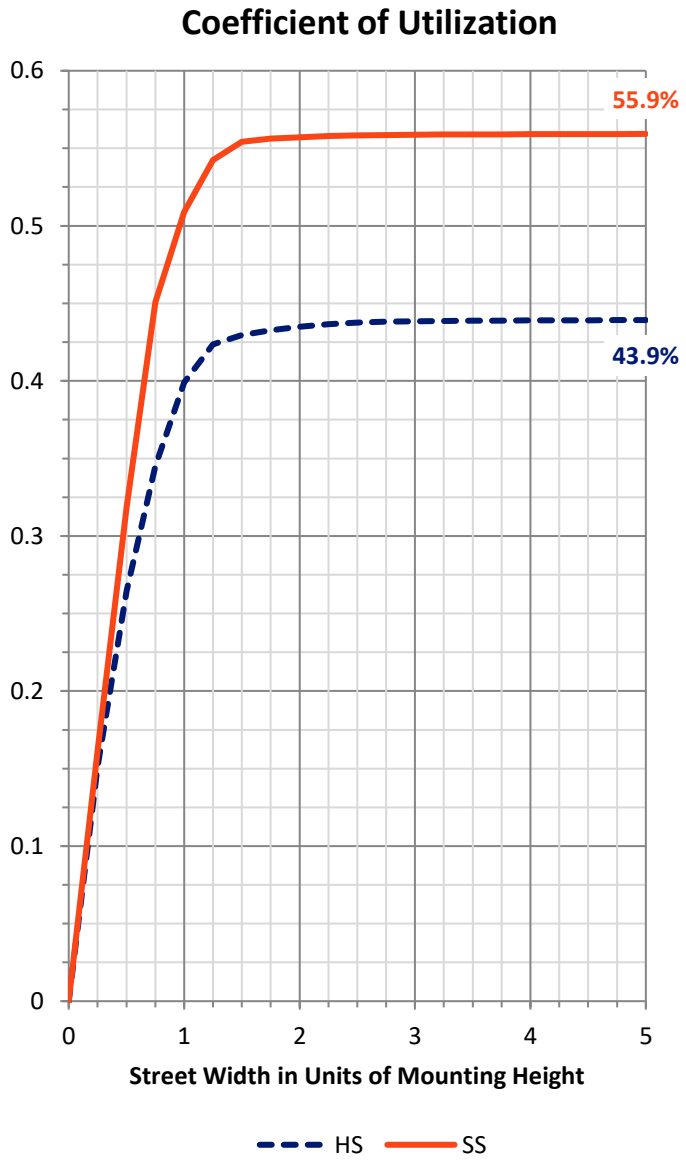
REPORT NUMBER: P980946
CATALOG NUMBER: NFFLD-C55-7027-66

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10015.6	0.0	10015.6
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	12629.3	0.0	12629.3
	% Fixture	55.8	0.0	55.8
Total	Lumens	22644.9	0.0	22644.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	904.2	4.0
10°-20°	2619.2	11.6
20°-30°	4174.0	18.4
30°-40°	5218.1	23.0
40°-50°	5120.7	22.6
50°-60°	3661.0	16.2
60°-70°	810.0	3.6
70°-80°	124.4	0.5
80°-90°	13.2	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°	22644.9	100.0
0°-180°	22644.9	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

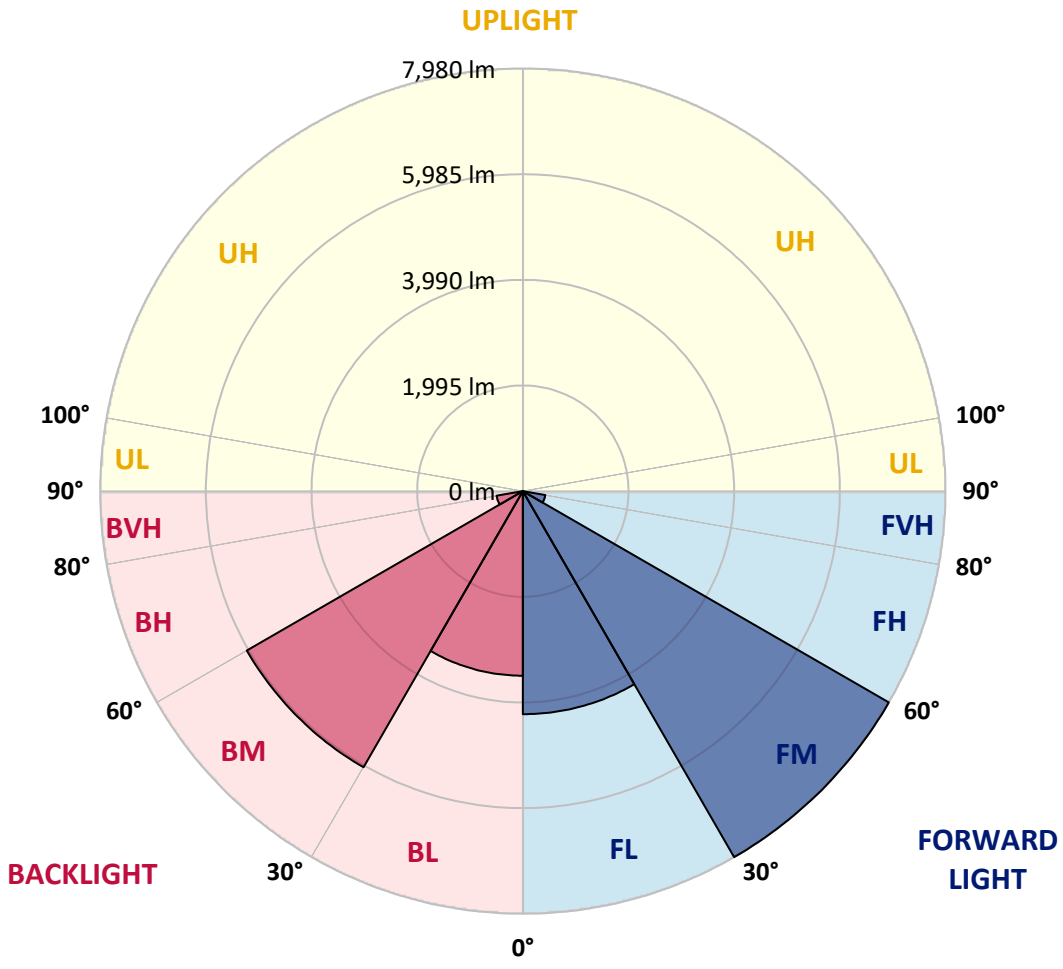
Scaled Data Report

REPORT NUMBER: P980946
CATALOG NUMBER: NFFLD-C55-7027-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4211.7	18.6			
FM	(30°-60°)	7980.0	35.2			
FH	(60°-80°)	430.8	1.9			G0/660
FVH	(80°-90°)	6.7	0.0			G0/10
BL	(0°-30°)	3485.6	15.4	B4/5000		
BM	(30°-60°)	6019.9	26.6	B4/8500		
BH	(60°-80°)	503.6	2.2	B2/1000		G2/1000
BVH	(80°-90°)	6.5	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



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980946
CATALOG NUMBER: NFFLD-C55-7027-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8
2.5°	9139.4	9154.2	9169.0	9191.1	9220.7	9235.5	9220.7	9205.9	9198.5	9213.3	9220.7
5°	9265.0	9287.2	9294.6	9309.3	9324.1	9309.3	9302.0	9287.2	9279.8	9287.2	9309.3
7.5°	9449.7	9464.5	9457.1	9449.7	9442.3	9390.6	9338.9	9316.7	9316.7	9338.9	9398.0
10°	9612.3	9641.8	9604.9	9575.3	9523.6	9442.3	9353.7	9302.0	9316.7	9361.1	9434.9
12.5°	9819.1	9819.1	9782.2	9752.6	9634.4	9538.4	9420.2	9338.9	9338.9	9420.2	9501.4
15°	10070.3	10048.2	10033.4	9952.1	9811.8	9656.6	9508.8	9390.6	9368.5	9494.1	9545.8
17.5°	10388.0	10306.8	10269.8	10129.5	9937.4	9737.9	9538.4	9442.3	9375.8	9508.8	9449.7
20°	10824.0	10764.9	10646.6	10425.0	10033.4	9774.8	9538.4	9412.8	9361.1	9434.9	9375.8
22.5°	11385.5	11348.5	11082.6	10801.8	10284.6	9804.4	9501.4	9331.5	9316.7	9279.8	9154.2
25°	12072.6	11976.5	11703.2	11304.2	10661.4	10092.5	9494.1	9183.7	9132.0	9036.0	8814.3
27.5°	12656.3	12552.8	12220.4	11865.7	11178.6	10521.0	9553.2	9006.4	8947.3	8880.8	8607.4
30°	12685.8	12730.2	12641.5	12375.5	11658.8	10698.4	9656.6	8954.7	8821.7	8585.3	8260.2
32.5°	12087.4	12190.8	12405.1	12501.1	12020.9	10912.6	9745.3	8976.9	8733.1	8164.1	7898.2
35°	10040.8	10247.7	11126.9	11954.4	12124.3	11222.9	9819.1	8976.9	8703.5	7861.2	7654.3
37.5°	7713.5	7883.4	8629.6	10129.5	11666.2	11415.0	9981.7	8925.1	8666.6	7883.4	7602.6
40°	6302.3	6398.3	6723.4	7743.0	10055.6	11097.3	10144.2	8984.3	8555.7	7898.2	7632.2
42.5°	5918.1	5910.7	5844.2	6221.0	7669.1	10166.4	10255.1	9132.0	8371.0	7802.1	7580.5
45°	5659.5	5644.7	5585.6	5659.5	6065.9	8319.3	10173.8	9398.0	8142.0	7462.3	7314.5
47.5°	5378.7	5386.1	5364.0	5393.5	5319.6	6317.1	9715.7	9508.8	7750.4	6893.3	6841.6
50°	4706.4	4817.2	5112.8	5142.3	4950.2	5098.0	8319.3	9457.1	7469.6	6730.8	6686.5
52.5°	2925.8	3103.1	3974.9	4713.8	4603.0	4603.0	6346.6	9531.0	6967.2	6671.7	6701.3
55°	1034.4	1167.4	2127.9	3243.5	4122.7	4204.0	5016.7	8481.8	6908.1	6775.1	6804.7
57.5°	258.6	317.7	650.2	1403.8	2778.0	3812.4	4484.7	7004.2	5245.7	5061.0	5134.9
60°	302.9	295.5	406.4	450.7	1078.7	3014.5	4041.4	4728.6	3383.9	3169.6	3206.6
62.5°	325.1	302.9	317.7	399.0	177.3	1477.7	3221.3	2815.0	1396.4	1034.4	1093.5
65°	288.1	273.4	251.2	369.4	125.6	273.4	1898.8	827.5	199.5	317.7	288.1
67.5°	192.1	199.5	206.9	295.5	118.2	118.2	251.2	206.9	140.4	288.1	251.2
70°	110.8	118.2	140.4	177.3	118.2	96.0	110.8	169.9	118.2	288.1	251.2
72.5°	66.5	66.5	66.5	73.9	118.2	81.3	73.9	140.4	103.4	266.0	251.2
75°	51.7	51.7	51.7	44.3	103.4	51.7	51.7	110.8	88.7	192.1	192.1
77.5°	44.3	44.3	44.3	36.9	59.1	44.3	44.3	81.3	81.3	96.0	110.8
80°	29.6	29.6	29.6	29.6	36.9	36.9	29.6	44.3	36.9	44.3	51.7
82.5°	14.8	22.2	22.2	14.8	22.2	22.2	22.2	29.6	22.2	29.6	29.6
85°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	14.8	7.4	7.4	14.8
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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980946
CATALOG NUMBER: NFFLD-C55-7027-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8	9242.8
2.5°	9235.5	9272.4	9324.1	9405.4	9434.9	9486.7	9531.0	9567.9	9567.9	9553.2
5°	9353.7	9457.1	9597.5	9723.1	9767.4	9819.1	9841.3	9878.2	9870.9	9863.5
7.5°	9457.1	9619.7	9767.4	9856.1	9841.3	9774.8	9730.5	9671.4	9649.2	9664.0
10°	9538.4	9686.2	9752.6	9693.5	9516.2	9361.1	9161.6	9028.6	8962.1	8984.3
12.5°	9567.9	9619.7	9560.5	9235.5	9013.8	8866.0	8703.5	8614.8	8577.9	8585.3
15°	9575.3	9457.1	9132.0	8888.2	8725.7	8541.0	8408.0	8326.7	8326.7	8334.1
17.5°	9420.2	9132.0	8851.3	8666.6	8437.5	8245.4	8171.5	8142.0	7957.3	7986.8
20°	9279.8	8866.0	8710.9	8422.7	8149.4	8023.8	7595.2	7550.9	7558.3	7565.7
22.5°	8984.3	8673.9	8533.6	8156.8	7846.4	7499.2	7440.1	7395.8	7403.1	7403.1
25°	8577.9	8400.6	8208.5	7816.9	7440.1	7373.6	7329.3	7270.2	7240.6	7248.0
27.5°	8348.9	8127.2	7772.6	7440.1	7196.3	7225.8	7174.1	7085.4	7085.4	7092.8
30°	*8060.7*	*7846.4*	*7373.6*	*6982.0*	*7004.2*	*7048.5*	*6922.9*	*6878.6*	*6856.4*	*6856.4*
32.5°	7706.1	7410.5	6996.8	6627.4	6760.4	6745.6	6590.4	6605.2	6620.0	6605.2
35°	7440.1	7055.9	6708.6	6509.2	6457.4	6398.3	6317.1	6368.8	6390.9	6376.2
37.5°	7373.6	6915.5	6553.5	6413.1	6213.6	6102.8	6125.0	6176.7	6206.2	6198.8
40°	7351.4	6775.1	6420.5	6272.7	6006.7	5910.7	5940.2	6043.7	6080.6	6073.2
42.5°	7321.9	6679.1	6339.2	6161.9	5792.5	5726.0	5866.4	5962.4	5969.8	5962.4
45°	7166.7	6575.6	6287.5	5932.9	5467.4	5548.7	5726.0	5777.7	5689.0	5652.1
47.5°	6804.7	6383.6	6132.3	5652.1	5201.4	5356.6	5378.7	4817.2	4492.1	4418.2
50°	6701.3	6390.9	5955.0	5319.6	5038.9	5194.0	4226.1	3228.7	2822.4	2741.1
52.5°	6671.7	6317.1	6021.5	4972.4	4979.8	4381.3	2667.2	1581.1	1270.8	1211.7
55°	6745.6	6642.1	6132.3	4765.5	4632.5	2851.9	1241.2	746.2	768.4	746.2
57.5°	5090.6	5556.1	6265.3	4440.4	3383.9	1374.2	783.2	724.1	672.3	657.6
60°	3177.0	3620.3	4588.2	3819.8	1736.3	820.1	797.9	672.3	650.2	642.8
62.5°	1049.1	1610.7	2630.3	2512.0	480.2	812.7	805.3	598.5	598.5	598.5
65°	266.0	273.4	724.1	864.4	354.6	724.1	768.4	561.5	546.7	568.9
67.5°	229.0	206.9	384.2	339.9	295.5	502.4	672.3	539.4	509.8	509.8
70°	229.0	243.8	376.8	317.7	184.7	273.4	487.6	332.5	295.5	273.4
72.5°	214.3	236.4	332.5	288.1	125.6	133.0	214.3	110.8	103.4	88.7
75°	184.7	192.1	258.6	258.6	133.0	66.5	88.7	73.9	73.9	66.5
77.5°	125.6	96.0	147.8	184.7	96.0	44.3	36.9	36.9	36.9	29.6
80°	66.5	36.9	36.9	29.6	36.9	36.9	22.2	29.6	29.6	22.2
82.5°	36.9	22.2	22.2	14.8	14.8	22.2	14.8	14.8	14.8	14.8
85°	14.8	14.8	7.4	7.4	7.4	14.8	7.4	7.4	7.4	7.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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

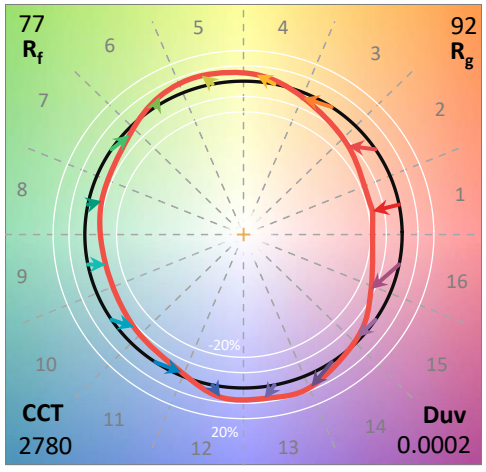
Test Information

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

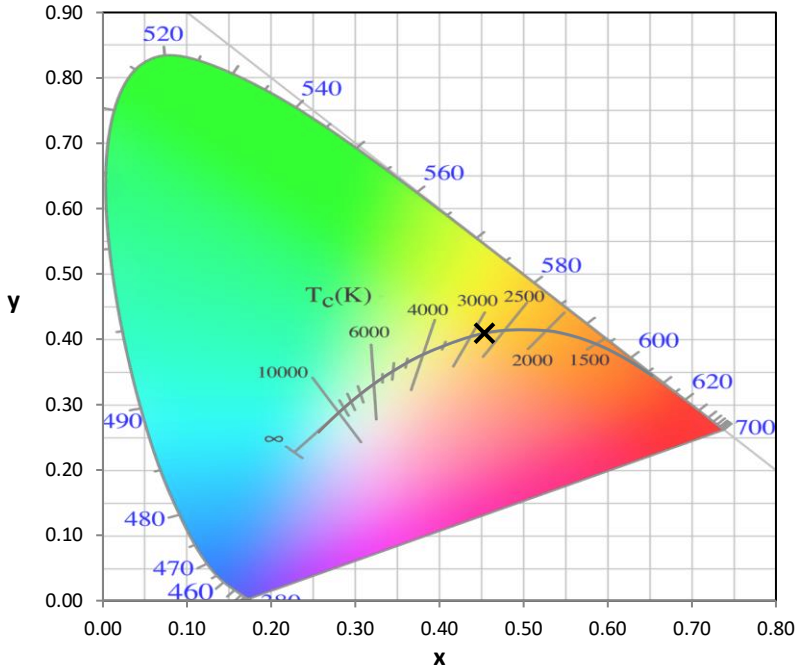
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-9

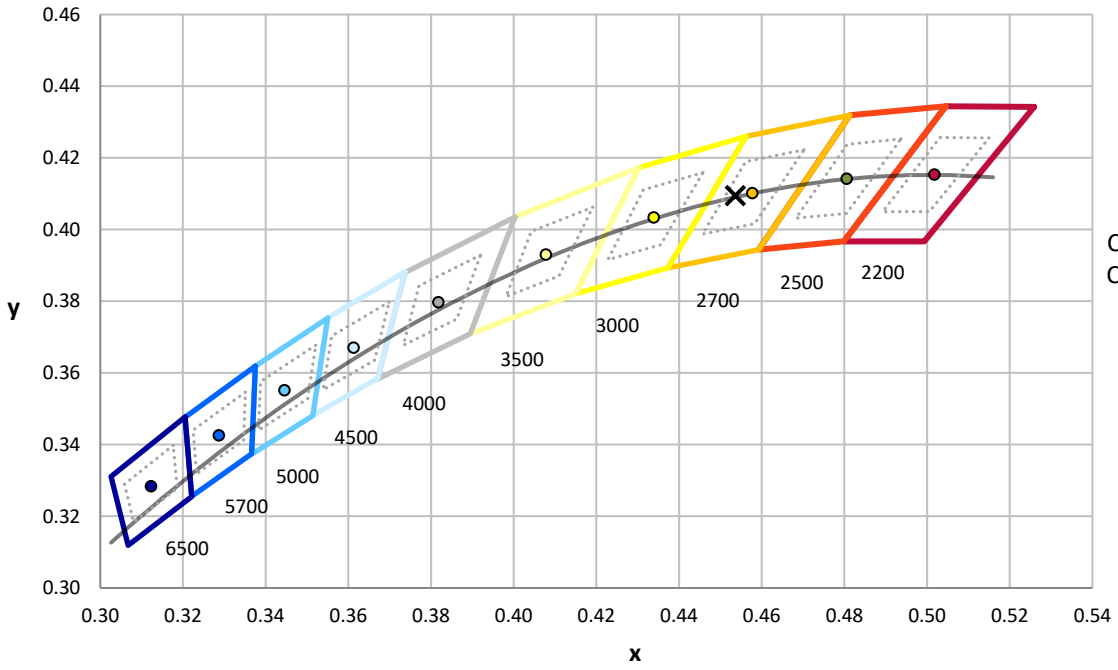
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

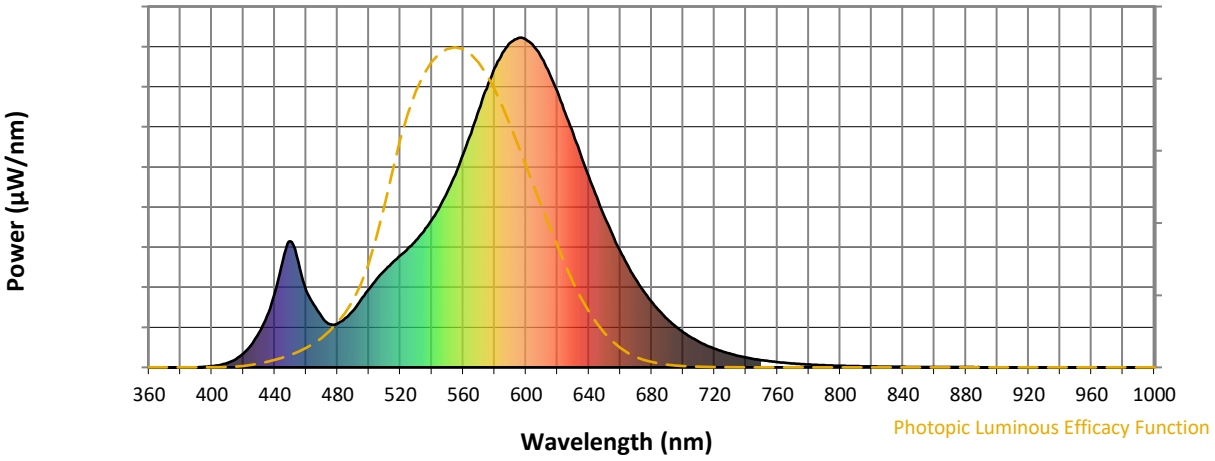


CCT = 2780K
CIE x = 0.4536
CIE y = 0.4095
Duv = 0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-9

Photopic Flux vs. Wavelength

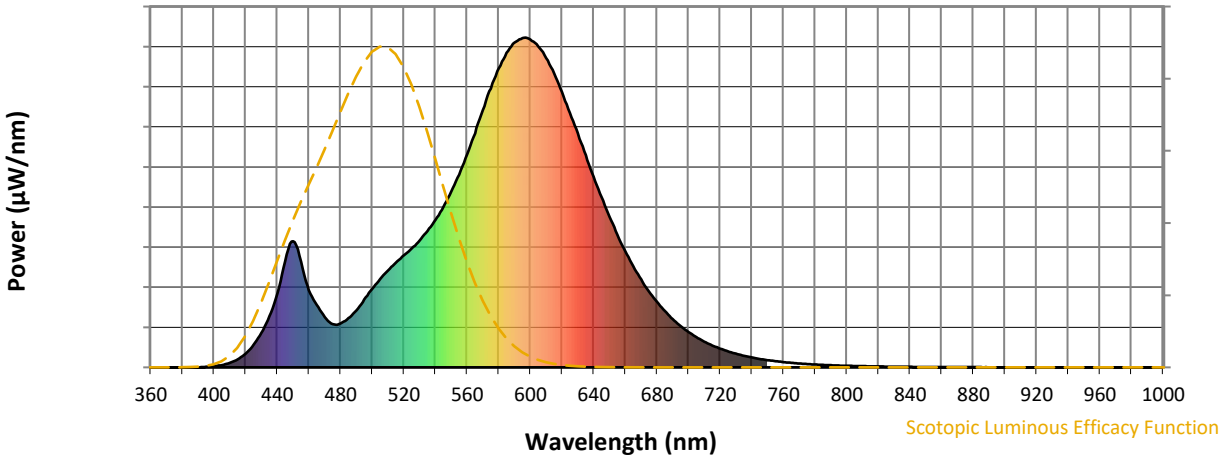


Photopic Lumens: NR

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

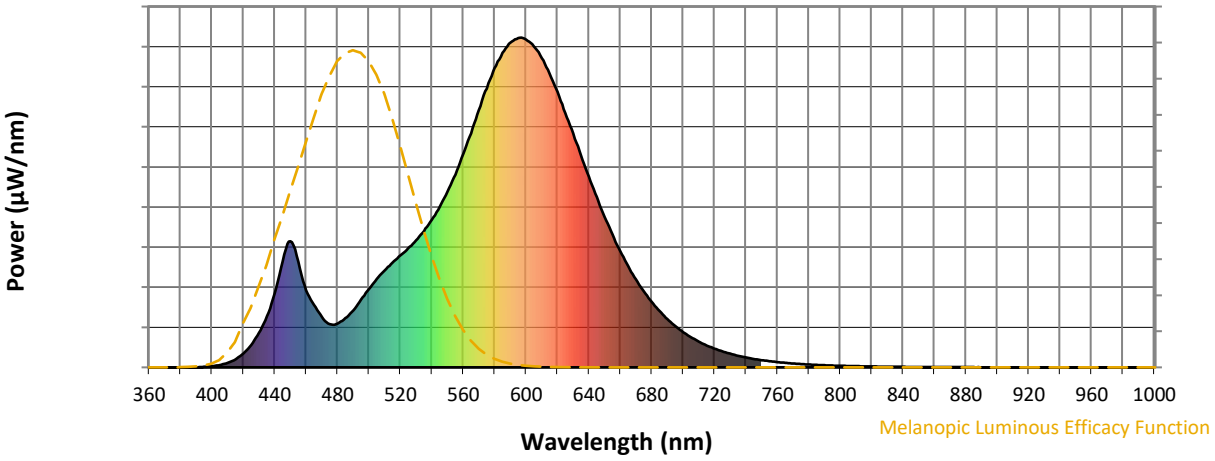


Scotopic Lumens: NR **S/P: 1.17**

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			

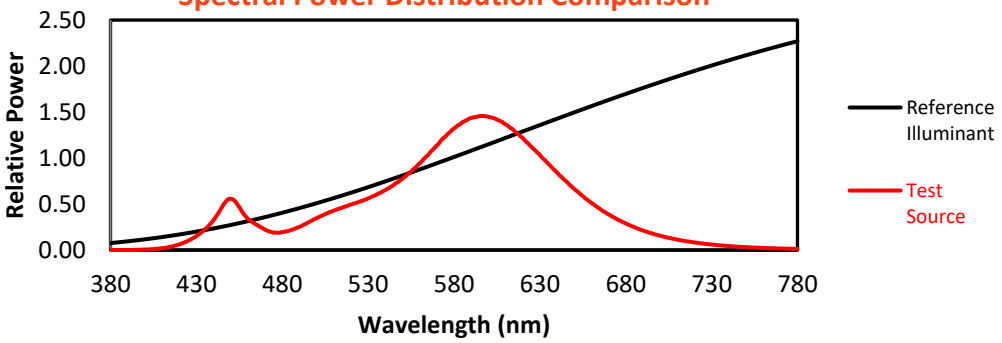
REPORT NUMBER: SP1-2501-319-9

TM-30-18

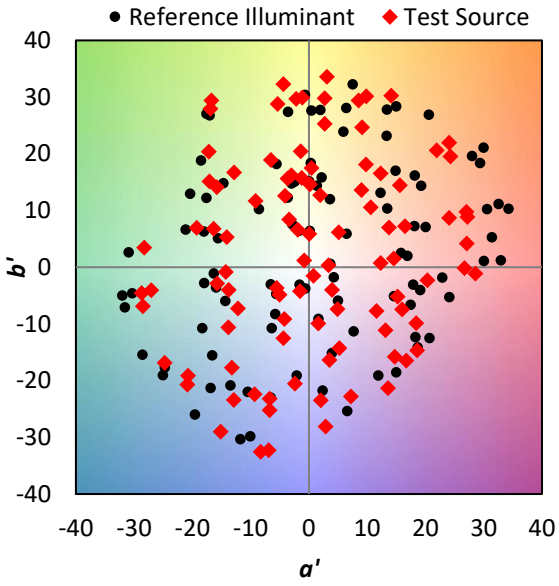
Summary

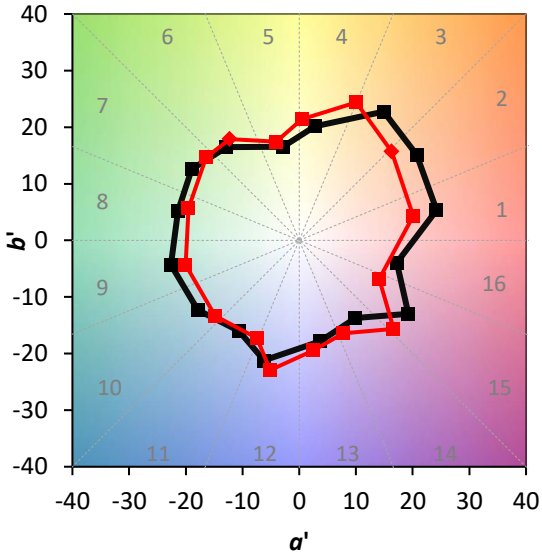
R_f = 77.4
R_g = 92.5
CIE R_a = 72.0
R_9 = -35.8

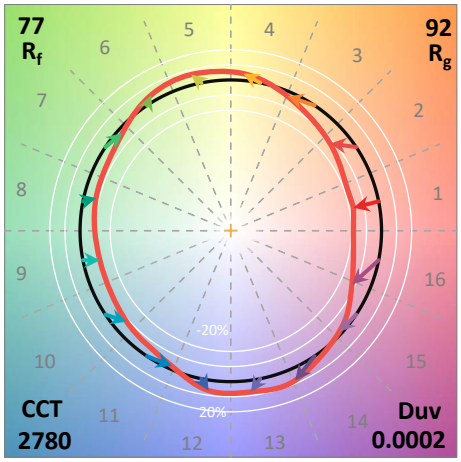
Spectral Power Distribution Comparison

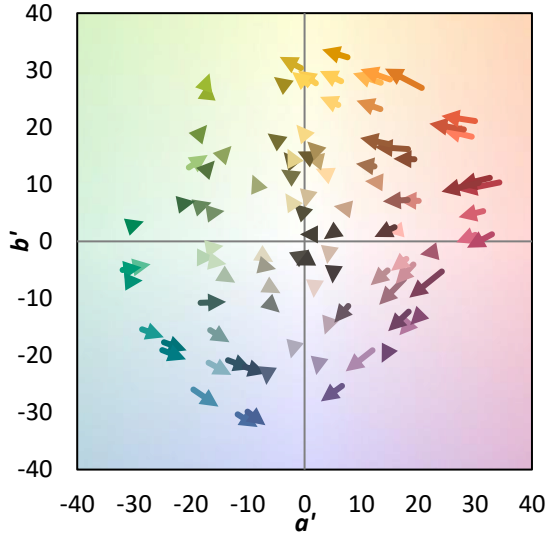


Color Vector Graphics







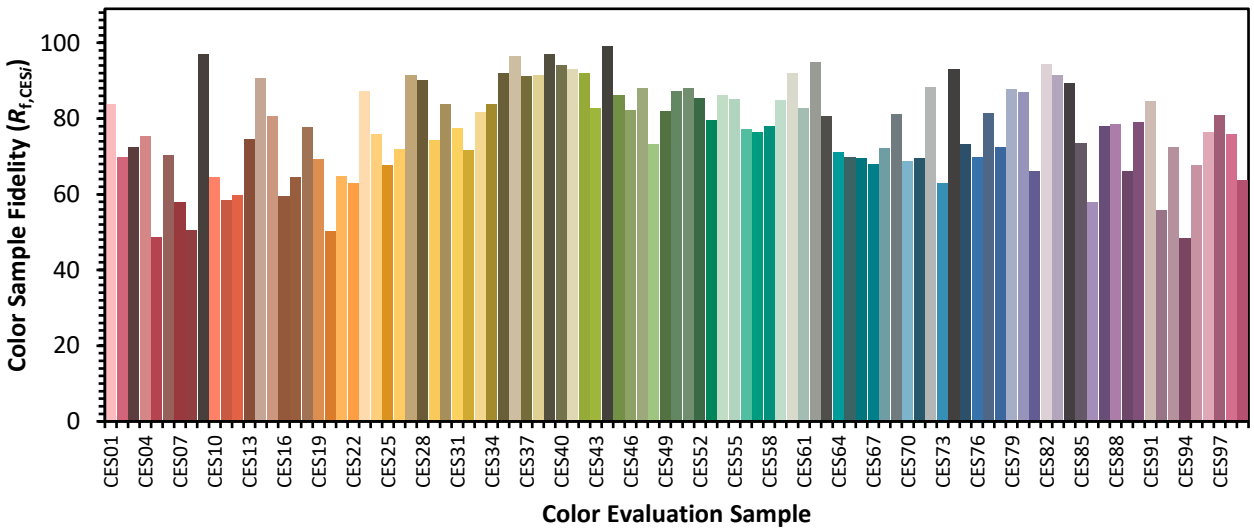


REPORT NUMBER: SP1-2501-319-9

TM-30-18

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

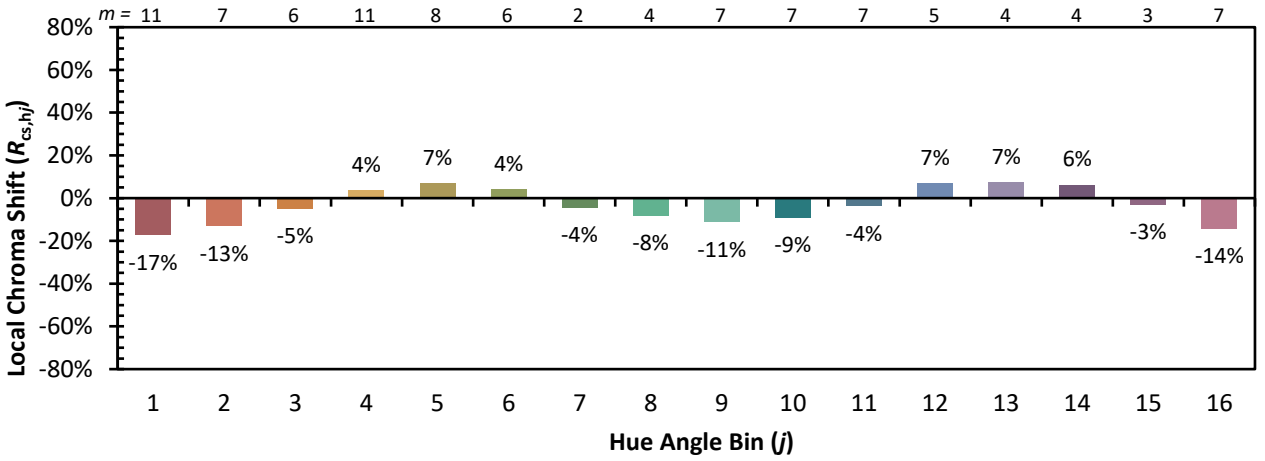
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 70
CES02 = 63	CES27 = 91	CES52 = 85	CES77 = 81
CES03 = 31	CES28 = 90	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 74	CES54 = 86	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 85	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 77	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 76	CES82 = 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	

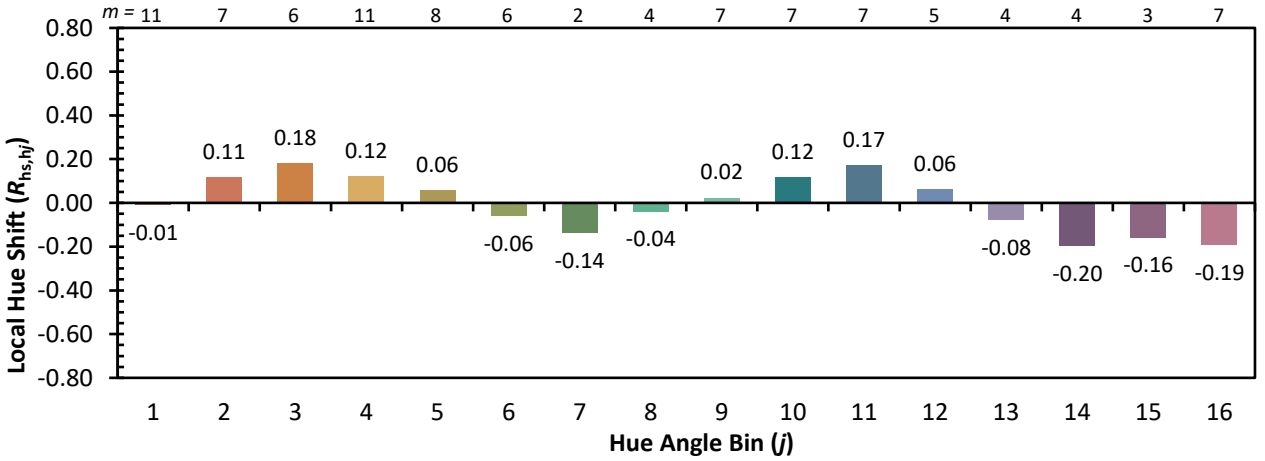


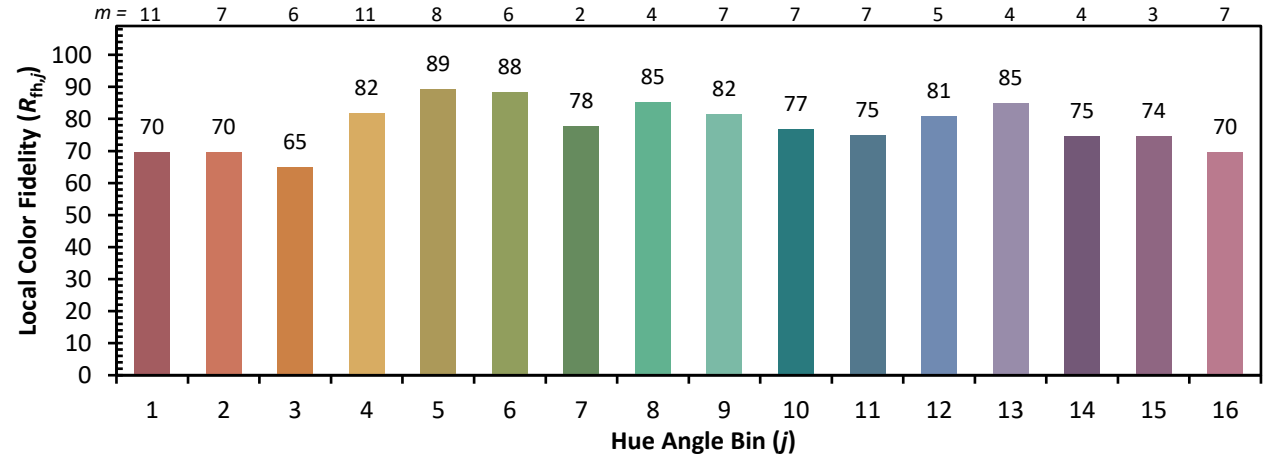
REPORT NUMBER: SP1-2501-319-9

TM-30-18

Color Rendition by Hue-Angle Bin



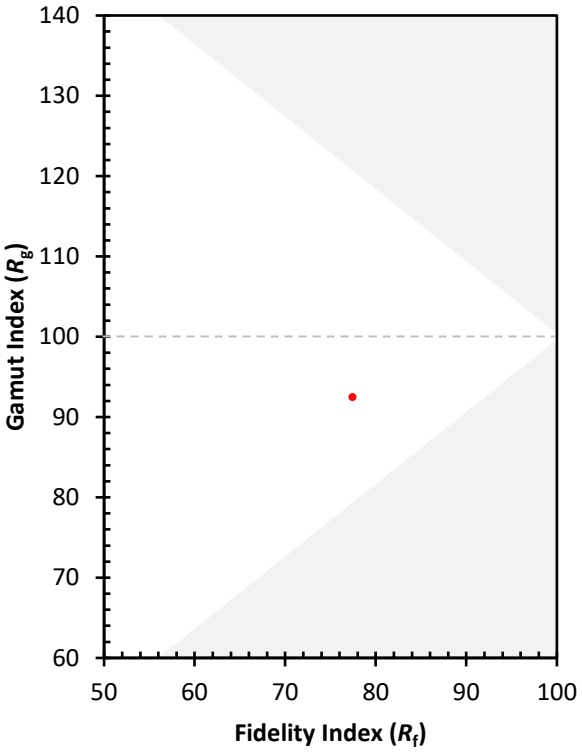


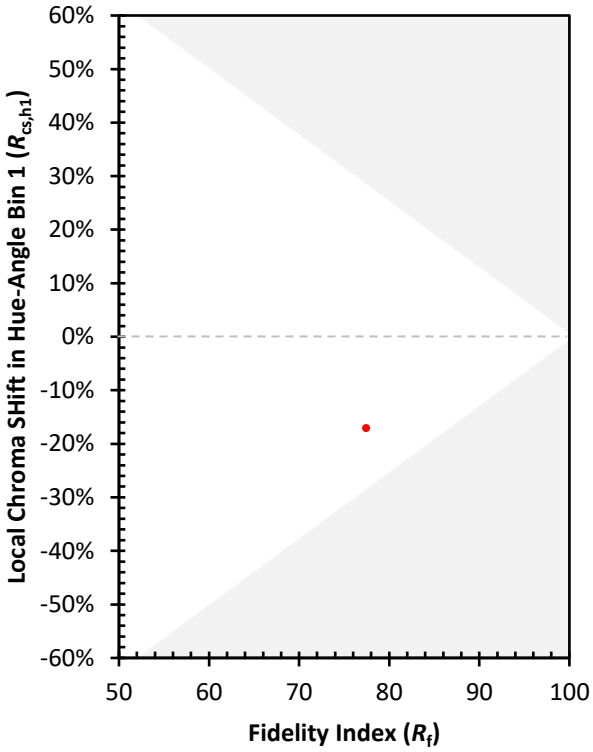


REPORT NUMBER: SP1-2501-319-9

TM-30-18

Measure Comparisons





(END OF REPORT)