

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P639508

Luminaire Tested: RL6069FSD2W1EWHDM -600LM -5000K

Issue Date: 1/25/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639508  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2206549B001)  
Test Lab:  
Issue Date: 1/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: RL6069FSD2W1EWHDM -600LM -5000K  
Description: 6IN DIRECT MOUNT, 600LM SELECTABLE CCT, MATTE WHITE BAFFLE  
Light Source: (1) DEDICATED LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

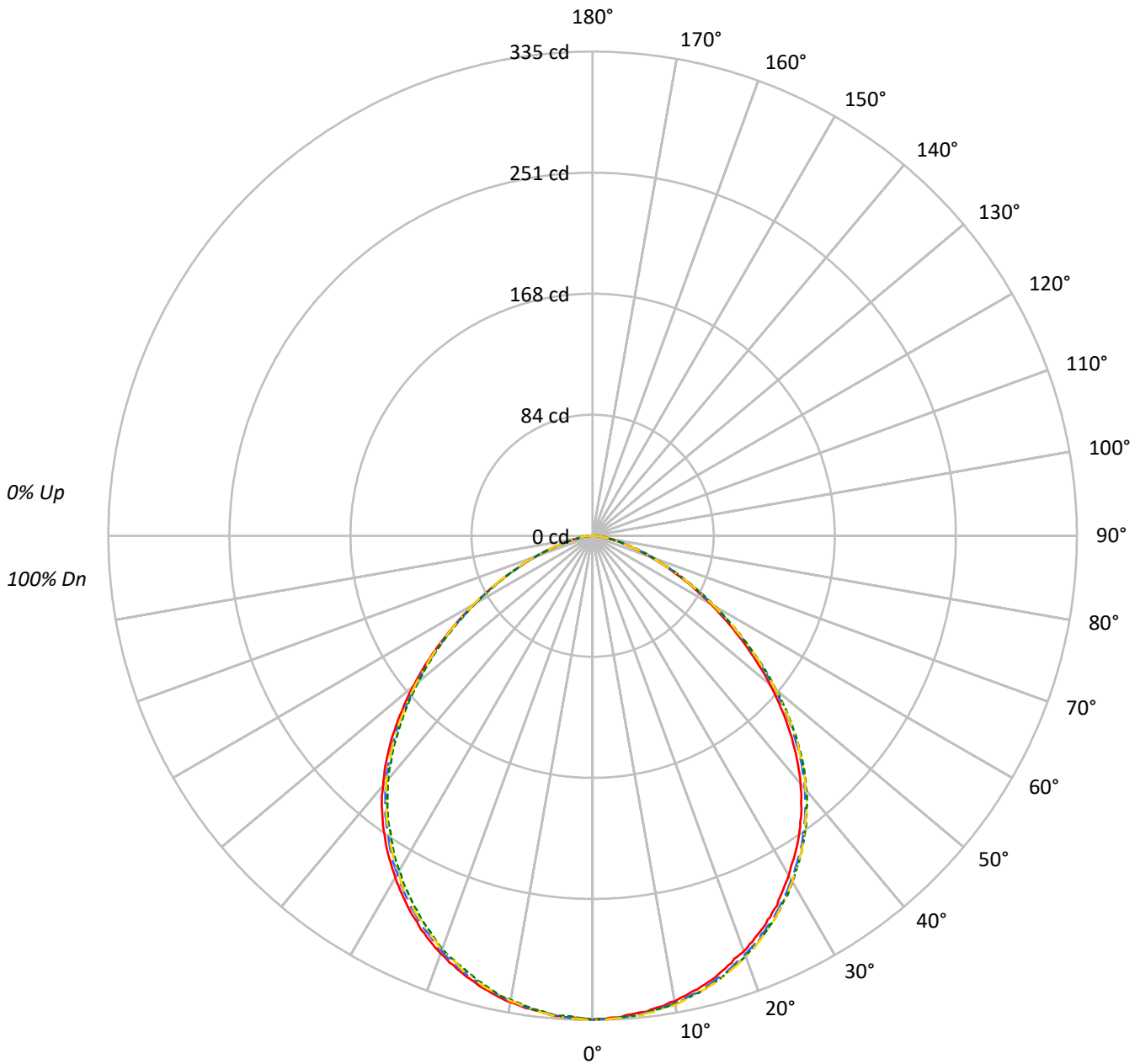
Lumens per Lamp: N/A  
Luminaire Lumens: 775.0 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87			87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	74			74
3	93	84	76	70	91	82	75	70	79	73	69	76	72	67	74	70	66	64			64
4	86	75	67	61	84	73	66	60	71	65	59	69	63	59	67	62	58	56			56
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49			49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43			43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39			39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35			35
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31			31
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	28			28

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	18354	18354	18354	18354
5°	18270	18347	18319	18292
10°	18208	18297	18242	18153
15°	18059	18224	18110	17957
20°	17846	18062	17939	17747
25°	17602	17826	17650	17336
30°	17180	17522	17281	16933
35°	16691	17072	16811	16423
40°	16001	16459	16137	15744
45°	14994	15498	15164	14699
50°	13646	14140	13816	13424
55°	12052	12473	12205	11966
60°	10328	10734	10405	10262
65°	8548	8886	8535	8522
70°	6828	7165	6700	6668
75°	5147	5507	4956	4766
80°	3852	4072	3504	3346
85°	3397	3585	2830	2579

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 112.5°  
 Vertical Angle: 45°  
 Luminance: 15513 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.6	4.1
10°-20°	89.9	11.6
20°-30°	134.1	17.3
30°-40°	156.5	20.2
40°-50°	149.9	19.3
50°-60°	114.3	14.7
60°-70°	66.6	8.6
70°-80°	26.5	3.4
80°-90°	5.6	0.7
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°-30°	255.7	33.0
0°-40°	412.2	53.2
0°-60°	676.4	87.3
0°-90°	775.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	775.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	335	335	335	335	335	
5°	332	333	333	332	332	32
15°	318	321	319	316	318	90
25°	291	295	292	287	291	134
35°	249	255	251	245	249	156
45°	193	200	196	190	193	149
55°	126	130	128	125	126	113
65°	66	68	66	66	66	66
75°	24	26	23	22	24	27
85°	5	6	4	4	5	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	334.8	334.8	334.8	334.8	334.8	334.8	334.8	334.8	334.8	334.8	334.8
0.5°	334.3	334.8	334.8	334.9	334.6	334.8	335.0	334.5	334.4	334.7	334.7
1°	334.3	334.7	334.5	334.6	334.6	334.7	335.3	335.0	334.1	334.7	334.5
1.5°	334.3	334.6	334.3	334.8	334.5	334.6	335.0	335.1	333.7	334.5	334.3
2°	333.7	334.5	334.2	334.8	334.5	334.1	334.4	335.0	333.7	334.6	334.5
2.5°	333.6	334.8	334.3	334.6	334.3	334.3	334.4	334.4	333.6	334.3	334.3
3°	333.7	334.5	334.2	334.9	334.0	334.5	334.3	334.3	333.5	334.1	333.7
3.5°	333.4	334.1	333.8	334.9	333.5	334.5	334.3	334.5	333.5	334.2	333.8
4°	332.5	333.7	333.8	334.5	333.5	334.6	334.2	333.6	333.1	334.6	332.9
4.5°	332.2	333.4	333.4	333.7	333.4	334.5	334.1	333.3	333.4	334.1	332.9
5°	332.0	333.5	333.0	333.7	333.4	334.0	333.8	333.3	332.9	333.0	332.2
5.5°	331.4	333.4	333.0	333.4	333.4	333.1	333.7	333.1	332.3	332.9	331.6
6°	331.4	332.8	332.7	332.9	333.1	332.9	333.1	332.6	331.5	332.7	331.5
6.5°	331.3	331.8	331.7	332.7	332.0	332.3	332.6	332.0	331.0	331.6	331.3
7°	330.4	331.5	331.5	332.2	331.2	332.0	332.2	331.6	330.7	331.5	330.8
7.5°	329.7	330.7	331.0	331.9	330.7	331.1	332.2	331.4	330.2	331.0	330.3
8°	329.2	330.2	330.4	331.1	330.7	330.6	331.3	330.7	330.1	330.0	329.3
8.5°	329.0	329.8	329.8	331.0	330.0	330.6	330.8	330.6	329.5	329.6	328.8
9°	328.1	329.6	329.5	329.9	329.9	330.0	330.3	329.9	328.7	329.0	328.3
9.5°	327.2	328.9	328.9	329.8	329.3	329.3	330.2	329.5	328.1	328.9	327.7
10°	327.1	328.0	328.4	329.1	328.7	328.8	329.6	328.5	327.7	327.9	327.3
10.5°	326.0	327.7	327.6	328.1	328.6	328.5	328.9	327.9	327.2	327.6	326.1
11°	325.2	326.7	327.0	328.0	327.3	327.2	327.7	327.2	326.4	326.1	325.2
11.5°	324.5	325.8	326.0	326.7	326.7	326.5	327.2	326.1	325.6	325.8	324.5
12°	323.4	325.2	325.2	326.0	326.0	326.5	326.8	325.5	324.8	324.8	323.8
12.5°	322.4	324.4	324.6	325.3	325.2	326.0	325.5	324.9	324.1	324.2	322.8
13°	322.2	323.4	324.6	324.3	324.8	325.0	324.9	323.8	323.0	323.8	322.0
13.5°	320.9	322.1	323.2	323.8	323.8	324.2	323.8	323.4	322.3	322.5	320.7
14°	320.1	321.3	321.9	322.6	323.0	323.2	323.1	322.3	321.5	321.0	319.8
14.5°	319.0	321.0	320.9	322.0	321.7	322.8	322.2	321.5	320.2	320.3	318.6
15°	318.2	319.9	319.9	321.2	321.1	321.3	321.2	320.3	319.1	319.0	318.0
15.5°	317.1	318.1	318.6	320.3	319.8	320.2	320.5	319.2	318.1	318.0	317.0
16°	315.7	317.1	317.6	318.9	319.0	319.2	319.5	318.5	317.3	316.6	315.9
16.5°	314.4	316.3	316.6	317.6	317.8	317.8	318.3	317.4	316.0	315.7	314.4
17°	313.3	314.7	315.9	316.8	316.1	317.1	316.7	315.9	314.9	314.5	313.7
17.5°	311.8	314.3	314.4	315.1	315.6	315.9	315.9	314.9	313.7	313.1	312.6
18°	310.8	312.8	313.2	313.7	314.3	314.4	314.5	314.5	312.2	312.4	311.0
18.5°	308.7	310.8	311.9	313.6	312.8	313.6	313.7	312.7	311.5	311.2	309.7
19°	308.0	309.8	310.6	312.0	312.0	312.5	312.5	311.3	309.9	309.5	308.6
19.5°	307.0	308.6	309.7	310.1	310.7	310.9	311.0	310.2	308.6	308.1	307.2
20°	305.9	307.9	308.3	309.1	309.6	309.6	309.7	308.5	307.5	307.3	305.6
20.5°	304.6	306.3	307.0	307.8	307.9	308.3	308.7	307.1	306.0	305.4	304.6
21°	302.8	305.2	305.6	306.3	306.8	307.0	307.7	306.0	304.8	304.2	302.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	298.6	300.7	301.2	302.8	302.2	302.9	302.9	301.6	300.2	299.6	297.7
23°	297.2	299.0	299.4	300.7	301.3	301.7	301.1	300.1	298.5	297.6	296.5
23.5°	295.7	297.5	298.4	299.3	299.3	300.2	299.6	298.6	297.3	296.1	295.2
24°	294.3	295.7	296.4	297.3	298.0	298.6	298.1	297.1	295.5	294.7	293.4
24.5°	292.0	293.9	295.1	295.9	296.2	297.0	296.6	295.3	293.4	293.4	291.4
25°	291.0	292.3	293.9	294.3	294.7	295.0	294.9	293.7	291.8	291.4	289.5
25.5°	288.7	290.7	291.9	292.9	293.2	293.1	293.2	291.8	290.3	289.1	287.6
26°	287.1	288.9	289.9	291.1	291.6	291.5	291.5	289.9	288.5	287.6	286.2
26.5°	286.0	287.0	288.3	289.1	289.7	290.2	289.5	288.1	286.6	286.0	284.1
27°	283.0	285.6	286.3	287.6	287.7	288.3	287.6	286.8	284.6	283.9	282.2
27.5°	281.1	283.9	284.4	285.6	285.7	286.1	286.1	284.7	282.9	282.2	280.4
28°	279.2	281.5	282.5	283.8	283.9	284.2	283.7	282.7	280.9	280.4	278.6
28.5°	277.2	279.5	280.9	281.8	282.7	282.1	282.0	280.7	279.1	278.3	276.5
29°	275.2	277.5	279.0	279.6	280.6	280.3	280.0	278.8	276.9	276.3	274.5
29.5°	273.4	275.6	276.8	278.0	278.3	278.3	278.0	276.8	275.2	273.9	272.5
30°	271.4	274.0	274.9	276.0	276.8	276.4	276.3	274.8	273.0	271.8	270.0
30.5°	269.0	272.0	273.0	274.0	274.6	274.4	273.9	272.7	270.9	270.1	268.4
31°	266.6	269.4	270.9	272.0	272.1	272.4	272.0	270.7	268.9	268.0	266.2
31.5°	264.7	267.8	268.7	269.9	270.2	270.2	270.1	268.6	266.7	266.1	264.3
32°	262.8	265.6	266.8	267.6	268.2	268.7	268.2	266.5	264.7	264.2	262.0
32.5°	260.7	263.3	264.7	265.6	266.2	266.1	266.1	264.4	262.8	261.4	259.7
33°	258.6	261.0	262.7	263.4	264.0	264.0	263.7	262.1	260.6	259.3	257.5
33.5°	256.4	259.0	260.5	261.3	262.0	261.8	261.7	259.8	258.3	257.0	255.0
34°	254.3	256.8	258.4	259.4	259.5	259.4	259.4	257.8	256.2	254.7	252.6
34.5°	251.9	254.1	256.1	257.2	257.5	257.3	257.2	255.9	253.6	252.3	250.0
35°	249.4	252.2	253.6	255.1	255.1	255.2	254.5	253.5	251.2	250.0	247.8
35.5°	247.3	249.8	251.3	252.4	252.8	253.1	252.2	251.7	249.1	248.0	245.7
36°	244.5	247.3	249.0	249.9	250.7	251.0	249.6	248.8	246.7	245.5	243.1
36.5°	242.4	245.1	246.5	247.7	248.3	248.5	247.3	245.9	244.1	243.1	241.0
37°	239.9	242.2	244.3	245.4	245.1	245.9	244.9	243.8	241.6	240.6	238.4
37.5°	237.3	240.1	241.6	242.3	242.9	242.7	242.3	241.1	239.2	237.8	235.8
38°	234.3	237.2	239.1	239.9	240.3	240.6	240.7	238.4	237.0	235.2	233.0
38.5°	231.9	234.8	236.0	237.1	238.2	237.7	237.9	235.7	234.3	232.4	230.5
39°	229.4	232.0	233.7	234.5	235.6	235.8	234.8	233.4	231.8	230.3	227.8
39.5°	226.4	229.5	231.1	232.2	233.1	233.2	231.9	230.8	228.3	227.1	224.9
40°	223.6	227.3	228.5	229.6	230.0	230.0	229.0	228.0	225.5	224.8	222.4
40.5°	221.2	223.9	225.8	226.7	226.9	227.2	226.6	224.5	222.8	222.4	219.6
41°	218.1	220.8	222.6	224.0	224.5	224.7	223.8	222.4	219.8	219.0	216.8
41.5°	215.2	217.8	219.7	221.0	221.7	221.8	220.8	219.9	217.4	215.7	213.6
42°	212.1	215.0	217.0	218.0	218.8	218.2	217.8	216.3	214.3	212.9	210.7
42.5°	209.1	211.8	213.9	214.6	216.3	215.7	214.7	213.3	211.1	210.1	207.6
43°	206.2	208.8	210.5	211.7	212.9	212.4	211.8	210.1	208.1	206.9	204.7
43.5°	203.0	205.7	207.5	208.8	209.7	209.5	208.4	206.9	205.1	203.8	201.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	193.4	196.1	198.1	198.8	199.9	200.1	198.9	197.6	195.6	194.1	192.3
45.5°	190.2	192.9	194.4	195.8	196.9	196.8	196.1	194.3	192.2	190.8	189.2
46°	187.0	189.4	191.5	192.7	193.3	193.3	192.5	190.9	189.0	187.7	185.9
46.5°	183.5	186.0	188.2	189.4	190.3	189.9	189.1	187.6	185.6	184.3	182.4
47°	180.6	182.6	184.5	185.5	186.5	186.7	185.5	184.1	182.5	181.0	179.3
47.5°	176.9	179.5	181.3	181.9	183.2	183.2	182.2	181.0	178.7	177.9	175.6
48°	173.7	175.9	177.9	178.5	180.1	179.6	178.9	177.7	175.6	174.6	172.5
48.5°	170.4	172.5	174.3	175.3	176.3	176.2	175.7	174.0	172.3	171.3	169.0
49°	166.8	169.0	170.8	171.8	172.8	172.5	171.7	170.6	169.0	167.8	165.9
49.5°	163.6	165.5	167.5	168.6	169.4	169.3	168.5	167.2	165.6	164.3	162.4
50°	160.0	162.0	163.9	164.6	165.8	166.1	164.8	163.6	162.0	160.9	159.2
50.5°	156.8	158.9	160.3	161.5	162.1	162.3	161.3	160.0	158.5	157.5	155.8
51°	153.3	155.5	156.8	158.0	158.9	158.3	158.0	156.8	155.2	154.5	152.7
51.5°	149.9	152.0	153.5	154.3	155.7	155.1	154.6	153.3	151.9	150.5	149.1
52°	146.1	148.4	149.9	151.1	152.2	151.6	150.8	149.9	148.6	147.5	145.7
52.5°	142.9	144.6	146.4	147.4	148.3	148.1	147.5	146.5	145.0	144.1	142.4
53°	139.6	141.3	142.9	144.0	144.5	145.0	143.9	142.7	141.4	140.4	139.2
53.5°	136.1	137.9	139.6	140.6	141.2	141.1	140.5	139.4	138.0	137.2	135.9
54°	132.8	134.4	136.4	137.0	137.6	137.5	136.8	136.1	134.7	133.7	132.5
54.5°	129.7	131.2	132.7	133.7	134.1	134.2	133.5	132.8	131.3	130.4	129.1
55°	126.1	127.7	129.3	130.3	130.5	130.6	130.1	129.1	127.7	126.8	125.7
55.5°	122.8	124.3	125.9	126.8	127.3	127.3	126.5	125.6	124.3	123.4	122.6
56°	119.6	121.0	122.6	123.5	123.9	123.8	122.9	122.4	120.9	120.1	119.3
56.5°	116.3	117.8	119.3	120.2	120.7	120.4	119.6	118.9	117.8	117.1	116.1
57°	113.1	114.4	116.1	116.7	117.3	117.0	116.6	115.5	114.3	113.6	113.0
57.5°	109.7	111.2	113.0	113.5	113.8	113.7	113.0	112.1	111.0	110.3	109.6
58°	106.5	108.1	109.6	110.3	110.7	110.4	109.7	108.9	107.7	107.2	106.3
58.5°	103.4	104.6	106.2	107.0	107.7	107.3	106.4	105.4	104.3	103.9	103.1
59°	100.3	101.5	103.1	103.5	104.3	104.1	103.1	102.4	101.3	100.6	100.0
59.5°	97.2	98.3	99.8	100.6	100.8	100.5	100.2	99.0	97.9	97.5	97.0
60°	94.2	95.1	96.7	97.6	97.9	97.3	96.8	96.0	94.9	94.5	94.0
60.5°	91.1	92.1	93.7	94.3	94.9	94.5	93.7	92.8	91.8	91.4	90.9
61°	88.1	89.1	90.7	91.4	91.8	91.3	90.4	89.5	88.6	88.2	87.8
61.5°	85.3	86.1	87.6	88.3	88.7	88.2	87.4	86.5	85.6	85.1	84.7
62°	82.3	83.2	84.5	85.2	85.8	85.1	84.3	83.5	82.6	82.2	81.8
62.5°	79.3	80.4	81.6	82.3	82.8	82.1	81.3	80.8	79.7	79.2	79.0
63°	76.6	77.5	78.7	79.3	79.8	79.0	78.5	77.5	76.8	76.5	76.0
63.5°	73.8	74.7	75.9	76.6	76.7	76.3	75.5	74.7	74.0	73.7	73.4
64°	71.0	72.0	73.2	73.9	74.0	73.6	72.8	71.8	71.2	70.9	70.8
64.5°	68.4	69.3	70.5	71.1	71.3	70.8	70.0	69.1	68.4	68.2	67.8
65°	65.9	66.7	67.7	68.3	68.5	68.0	67.2	66.5	65.8	65.7	65.1
65.5°	63.3	64.0	65.2	65.7	65.9	65.4	64.6	63.8	63.1	62.8	62.7
66°	60.7	61.6	62.6	63.1	63.3	62.7	61.9	61.1	60.4	60.3	60.0





TEST NUMBER: P639508

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	53.7	54.4	55.4	56.0	55.6	55.2	54.5	53.7	53.0	52.8	52.7
68°	51.4	52.1	53.0	53.6	53.4	52.9	52.1	51.2	50.6	50.5	50.3
68.5°	49.2	49.9	50.7	51.3	51.0	50.5	49.6	48.8	48.2	48.2	47.9
69°	46.9	47.7	48.5	49.0	48.8	48.3	47.5	46.7	46.1	45.9	45.6
69.5°	44.7	45.5	46.3	46.8	46.8	46.1	45.3	44.5	43.9	43.7	43.5
70°	42.6	43.4	44.3	44.6	44.7	44.1	43.3	42.5	41.8	41.6	41.5
70.5°	40.6	41.3	42.1	42.5	42.6	42.1	41.3	40.5	39.8	39.6	39.4
71°	38.6	39.4	40.0	40.5	40.6	40.1	39.3	38.5	37.8	37.6	37.4
71.5°	36.5	37.4	38.0	38.4	38.6	38.0	37.2	36.6	35.8	35.5	35.4
72°	34.7	35.3	36.0	36.4	36.7	36.1	35.2	34.6	33.9	33.6	33.5
72.5°	32.7	33.3	34.1	34.4	34.7	34.3	33.4	32.6	32.1	31.7	31.6
73°	30.8	31.6	32.1	32.4	32.9	32.3	31.5	30.8	30.2	29.9	29.7
73.5°	29.1	29.8	30.4	30.7	31.1	30.5	29.7	29.0	28.4	28.1	27.9
74°	27.5	28.1	28.7	28.9	29.4	28.8	28.0	27.3	26.6	26.3	26.1
74.5°	25.8	26.5	27.0	27.2	27.7	27.0	26.3	25.6	25.0	24.7	24.5
75°	24.3	25.0	25.4	25.5	26.0	25.4	24.7	24.0	23.4	23.0	23.0
75.5°	22.7	23.4	23.9	24.0	24.4	23.9	23.1	22.5	21.8	21.5	21.4
76°	21.4	21.9	22.3	22.4	22.8	22.3	21.6	21.0	20.4	20.1	19.9
76.5°	20.0	20.5	21.0	21.0	21.4	20.9	20.1	19.5	18.9	18.6	18.4
77°	18.7	19.2	19.6	19.7	20.0	19.5	18.8	18.1	17.5	17.3	17.1
77.5°	17.4	17.9	18.3	18.4	18.7	18.1	17.4	16.9	16.3	16.0	15.8
78°	16.2	16.6	17.0	17.1	17.3	16.9	16.3	15.7	15.2	14.8	14.6
78.5°	15.0	15.6	16.0	16.0	16.1	15.6	15.1	14.5	13.9	13.7	13.5
79°	14.1	14.5	14.8	14.8	14.9	14.5	13.9	13.6	13.0	12.7	12.6
79.5°	13.1	13.6	13.9	13.9	13.8	13.5	13.1	12.5	12.0	11.7	11.5
80°	12.2	12.6	12.9	12.9	12.9	12.6	12.1	11.5	11.1	10.8	10.6
80.5°	11.3	11.7	12.0	11.9	11.9	11.6	11.1	10.7	10.3	10.0	9.8
81°	10.5	10.9	11.1	11.1	11.0	10.7	10.3	9.9	9.5	9.2	9.0
81.5°	9.7	10.0	10.3	10.3	10.1	9.9	9.4	9.1	8.7	8.5	8.3
82°	9.0	9.3	9.5	9.5	9.4	9.1	8.7	8.4	8.1	7.9	7.7
82.5°	8.4	8.7	8.8	8.8	8.6	8.4	8.2	7.7	7.5	7.2	7.0
83°	7.7	8.0	8.3	8.3	8.0	7.7	7.5	7.2	6.8	6.7	6.4
83.5°	7.1	7.4	7.6	7.6	7.3	7.2	6.9	6.5	6.3	6.0	5.7
84°	6.6	6.8	7.1	7.1	6.8	6.6	6.3	6.0	5.6	5.4	5.2
84.5°	6.0	6.3	6.5	6.5	6.3	6.1	5.7	5.5	5.1	4.8	4.6
85°	5.4	5.7	5.9	5.9	5.7	5.5	5.1	4.9	4.5	4.2	3.9
85.5°	4.8	5.1	5.3	5.3	5.1	4.9	4.6	4.2	3.8	3.7	3.4
86°	4.2	4.5	4.8	4.8	4.5	4.4	4.1	3.7	3.4	3.0	3.0
86.5°	3.6	4.0	4.2	4.2	4.0	3.8	3.6	3.2	3.0	2.5	2.2
87°	3.0	3.4	3.6	3.7	3.6	3.3	3.0	2.6	2.2	2.0	1.7
87.5°	2.5	2.9	3.1	3.2	3.0	2.9	2.4	2.1	1.7	1.4	1.2
88°	2.0	2.3	2.6	2.6	2.4	2.2	1.9	1.5	1.1	0.9	0.6
88.5°	1.5	1.8	2.0	2.1	1.9	1.7	1.4	1.0	0.7	0.3	0.3



TEST NUMBER: P639508  
CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.1	0.3	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.0	0.0



TEST NUMBER: P639508

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	334.8	334.8	334.8	334.8	334.8	334.8
0.5°	334.5	334.5	334.9	335.2	334.4	334.3
1°	334.3	334.1	334.2	334.8	334.5	334.3
1.5°	334.2	333.8	334.1	334.3	335.0	334.3
2°	334.1	333.5	334.1	334.3	335.0	333.7
2.5°	333.5	332.9	333.8	334.5	334.2	333.6
3°	333.5	332.9	333.4	334.1	333.8	333.7
3.5°	333.5	332.7	333.4	333.8	333.7	333.4
4°	333.3	332.9	333.0	333.4	333.5	332.5
4.5°	333.1	332.9	333.1	333.2	333.0	332.2
5°	333.3	332.4	332.0	332.8	332.4	332.0
5.5°	332.9	331.6	331.9	332.0	331.6	331.4
6°	331.3	330.8	331.1	331.9	331.6	331.4
6.5°	330.6	330.3	331.0	331.2	330.6	331.3
7°	330.2	330.2	330.5	330.6	330.4	330.4
7.5°	329.8	329.3	329.1	330.3	330.0	329.7
8°	329.7	328.9	328.7	329.5	329.5	329.2
8.5°	328.5	327.9	328.1	328.9	328.9	329.0
9°	328.0	327.3	327.0	327.9	328.2	328.1
9.5°	327.5	326.5	326.7	327.3	327.7	327.2
10°	326.7	326.1	326.5	326.9	326.9	327.1
10.5°	325.7	325.4	325.4	325.8	326.4	326.0
11°	325.7	325.2	325.2	325.2	324.8	325.2
11.5°	324.5	324.4	324.4	324.1	324.3	324.5
12°	324.1	323.0	322.5	323.2	323.6	323.4
12.5°	322.7	322.0	321.5	322.5	322.4	322.4
13°	321.3	320.9	321.0	321.8	321.7	322.2
13.5°	320.6	319.8	320.4	320.9	320.7	320.9
14°	320.1	318.5	319.2	319.7	319.8	320.1
14.5°	318.8	317.8	318.0	318.4	318.2	319.0
15°	317.6	316.4	317.3	317.0	317.9	318.2
15.5°	316.2	315.1	315.5	315.9	316.6	317.1
16°	315.0	313.9	314.4	314.4	315.2	315.7
16.5°	314.1	312.6	313.2	314.4	314.0	314.4
17°	312.8	311.5	312.1	312.8	313.4	313.3
17.5°	311.6	310.6	311.3	310.7	311.7	311.8
18°	310.7	309.0	309.7	309.8	310.0	310.8
18.5°	308.7	308.3	307.7	308.2	309.1	308.7
19°	307.7	307.1	306.4	307.8	307.8	308.0
19.5°	306.3	305.5	305.1	305.8	306.7	307.0
20°	304.8	304.2	303.6	304.6	305.2	305.9
20.5°	302.9	302.7	302.3	303.5	304.0	304.6
21°	301.6	300.9	301.0	301.5	302.0	302.8



TEST NUMBER: P639508

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	297.4	295.5	295.8	297.0	297.1	298.6
23°	295.4	294.0	294.0	295.5	296.1	297.2
23.5°	294.1	292.3	292.7	293.6	294.3	295.7
24°	292.2	290.8	291.0	291.5	292.4	294.3
24.5°	290.5	288.7	289.2	290.2	291.0	292.0
25°	288.6	286.6	287.4	288.8	289.5	291.0
25.5°	286.6	285.2	285.4	286.8	287.5	288.7
26°	285.0	283.3	283.8	284.8	286.1	287.1
26.5°	283.2	281.3	282.2	282.9	283.8	286.0
27°	281.2	279.5	279.9	281.1	282.0	283.0
27.5°	279.2	277.5	277.9	279.4	280.3	281.1
28°	277.4	276.1	276.1	278.2	278.2	279.2
28.5°	275.5	273.9	274.2	275.7	276.1	277.2
29°	273.2	271.8	272.2	273.6	274.2	275.2
29.5°	271.0	269.3	270.1	271.1	272.2	273.4
30°	269.0	267.5	267.8	269.4	270.3	271.4
30.5°	267.0	265.5	265.8	267.4	268.0	269.0
31°	264.9	263.6	263.6	265.4	265.9	266.6
31.5°	263.0	261.5	261.4	262.9	263.9	264.7
32°	260.3	259.3	259.1	260.6	261.8	262.8
32.5°	257.9	256.9	256.9	258.2	259.7	260.7
33°	255.7	254.1	254.8	256.2	257.5	258.6
33.5°	253.5	252.3	252.7	254.0	255.2	256.4
34°	251.4	249.6	250.2	251.5	253.0	254.3
34.5°	249.2	247.4	248.0	249.5	250.7	251.9
35°	247.0	245.4	245.7	247.1	248.5	249.4
35.5°	244.5	243.4	243.4	244.6	245.8	247.3
36°	241.7	240.8	241.2	242.4	243.7	244.5
36.5°	239.5	238.3	238.4	239.8	240.8	242.4
37°	237.4	236.0	235.6	237.5	238.8	239.9
37.5°	234.8	233.2	233.3	234.6	236.3	237.3
38°	231.9	230.4	231.0	232.2	233.7	234.3
38.5°	229.4	227.6	228.6	229.7	230.8	231.9
39°	226.7	225.1	225.6	227.0	228.1	229.4
39.5°	223.6	222.8	223.0	224.6	225.3	226.4
40°	221.0	220.0	220.0	221.8	222.8	223.6
40.5°	218.3	217.3	217.7	219.0	219.7	221.2
41°	215.2	214.2	214.8	216.2	217.0	218.1
41.5°	212.7	210.8	212.0	213.4	214.2	215.2
42°	209.8	208.0	209.3	210.2	211.2	212.1
42.5°	206.5	205.3	205.9	207.1	208.6	209.1
43°	203.5	202.3	202.6	204.2	205.4	206.2
43.5°	200.3	199.4	199.4	201.1	202.3	203.0



TEST NUMBER: P639508

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	191.3	189.6	190.3	191.8	192.9	193.4
45.5°	188.0	186.5	187.1	188.7	189.4	190.2
46°	184.7	183.4	184.0	185.9	186.7	187.0
46.5°	181.3	180.3	181.1	182.3	183.0	183.5
47°	178.2	177.1	177.6	179.0	179.9	180.6
47.5°	174.9	173.8	174.7	176.0	176.4	176.9
48°	171.7	170.6	171.1	172.9	173.3	173.7
48.5°	168.2	167.3	168.1	169.1	169.8	170.4
49°	164.7	163.9	165.0	166.2	166.6	166.8
49.5°	161.5	160.9	161.6	162.9	163.0	163.6
50°	158.5	157.4	158.8	159.6	159.6	160.0
50.5°	154.9	154.2	155.2	156.4	156.7	156.8
51°	151.5	151.0	152.2	153.0	153.4	153.3
51.5°	148.2	148.0	148.5	149.8	149.9	149.9
52°	145.0	144.5	145.3	146.5	146.3	146.1
52.5°	141.7	141.4	142.3	143.1	143.0	142.9
53°	138.6	138.0	139.2	140.1	139.8	139.6
53.5°	135.2	134.7	135.7	136.5	136.5	136.1
54°	132.0	131.6	132.4	133.6	132.9	132.8
54.5°	128.7	128.2	128.9	130.2	129.8	129.7
55°	125.5	125.2	125.9	126.8	126.4	126.1
55.5°	122.3	121.8	122.7	123.3	123.2	122.8
56°	119.2	118.6	119.3	120.2	119.8	119.6
56.5°	115.9	115.3	116.1	117.2	116.9	116.3
57°	112.8	112.3	113.2	113.9	113.6	113.1
57.5°	109.5	108.8	110.0	110.5	110.1	109.7
58°	106.2	105.8	106.8	107.4	107.0	106.5
58.5°	103.3	102.7	103.6	104.3	103.8	103.4
59°	100.2	99.8	100.4	101.3	100.7	100.3
59.5°	97.0	96.6	97.6	98.2	97.7	97.2
60°	94.0	93.6	94.4	95.2	94.5	94.2
60.5°	91.1	90.6	91.4	92.1	91.6	91.1
61°	88.2	87.8	88.5	89.1	88.7	88.1
61.5°	85.0	84.9	85.6	86.2	85.7	85.3
62°	82.1	81.8	82.8	83.1	82.5	82.3
62.5°	79.3	79.1	79.8	80.2	79.7	79.3
63°	76.4	76.4	77.0	77.5	77.0	76.6
63.5°	73.6	73.7	74.4	74.7	74.2	73.8
64°	70.8	71.0	71.5	72.0	71.4	71.0
64.5°	68.0	68.2	68.9	69.2	68.7	68.4
65°	65.5	65.7	66.2	66.5	66.0	65.9
65.5°	63.0	63.0	63.8	63.8	63.5	63.3
66°	60.3	60.3	61.1	61.5	61.0	60.7



TEST NUMBER: P639508

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	53.0	53.2	53.7	54.0	53.8	53.7
68°	50.6	50.9	51.4	51.6	51.4	51.4
68.5°	48.3	48.6	49.0	49.3	49.2	49.2
69°	45.9	46.1	46.7	47.0	46.9	46.9
69.5°	43.7	44.0	44.4	44.7	44.7	44.7
70°	41.7	41.6	42.2	42.6	42.5	42.6
70.5°	39.8	39.4	40.2	40.5	40.5	40.6
71°	37.7	37.4	37.9	38.4	38.5	38.6
71.5°	35.6	35.4	35.9	36.3	36.4	36.5
72°	33.6	33.3	33.9	34.3	34.4	34.7
72.5°	31.8	31.3	31.8	32.3	32.4	32.7
73°	29.8	29.3	29.8	30.3	30.5	30.8
73.5°	28.1	27.5	27.9	28.4	28.8	29.1
74°	26.3	25.7	26.2	26.7	27.0	27.5
74.5°	24.6	24.1	24.5	25.0	25.4	25.8
75°	23.0	22.5	22.9	23.4	23.9	24.3
75.5°	21.5	21.0	21.4	21.9	22.3	22.7
76°	19.9	19.5	19.9	20.4	20.9	21.4
76.5°	18.5	18.1	18.4	19.0	19.5	20.0
77°	17.1	16.8	17.1	17.7	18.1	18.7
77.5°	15.8	15.6	15.9	16.4	16.9	17.4
78°	14.6	14.3	14.6	15.2	15.7	16.2
78.5°	13.5	13.4	13.7	14.1	14.6	15.0
79°	12.5	12.4	12.7	13.1	13.7	14.1
79.5°	11.5	11.4	11.7	12.2	12.7	13.1
80°	10.5	10.6	10.8	11.3	11.7	12.2
80.5°	9.7	9.8	10.0	10.4	10.9	11.3
81°	8.9	9.1	9.3	9.6	10.1	10.5
81.5°	8.3	8.4	8.7	9.0	9.3	9.7
82°	7.6	7.8	8.0	8.3	8.7	9.0
82.5°	6.9	7.2	7.3	7.7	8.0	8.4
83°	6.4	6.5	6.7	7.1	7.4	7.7
83.5°	5.7	5.9	6.1	6.5	6.8	7.1
84°	5.1	5.3	5.5	5.9	6.2	6.6
84.5°	4.5	4.7	4.9	5.3	5.6	6.0
85°	3.8	4.1	4.4	4.6	5.0	5.4
85.5°	3.3	3.5	3.7	4.1	4.4	4.8
86°	2.8	3.0	3.2	3.4	3.8	4.2
86.5°	2.2	2.4	2.6	2.9	3.3	3.6
87°	1.6	1.8	2.1	2.4	2.8	3.0
87.5°	1.1	1.3	1.5	1.8	2.1	2.5
88°	0.5	0.7	0.9	1.3	1.7	2.0
88.5°	0.1	0.3	0.5	0.7	1.1	1.5



TEST NUMBER: P639508

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.1	0.1

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - 135°-315°

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21.5°	301.8	303.4	304.3	305.4	305.6	306.1	305.9	304.2	303.1	302.6	301.2
22°	299.9	301.6	302.5	304.2	304.0	304.9	304.2	303.2	301.7	301.3	299.4



44°	199.6	202.4	204.5	205.8	206.5	206.5	205.4	204.0	201.9	200.7	198.6
44.5°	196.9	199.2	200.7	202.4	203.1	202.8	202.4	200.9	198.9	197.0	195.1



66.5°	58.3	59.1	60.0	60.6	60.6	60.0	59.3	58.5	57.9	57.7	57.5
67°	56.1	56.7	57.6	58.1	58.2	57.5	56.8	56.0	55.4	55.3	55.0



89°	0.9	1.3	1.5	1.6	1.4	1.2	0.9	0.5	0.2	0.0	0.0
89.5°	0.5	0.7	1.0	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0



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21.5°	300.4	299.0	299.3	299.8	300.7	301.8
22°	298.4	297.0	297.9	298.6	298.9	299.9



44°	197.3	196.1	196.5	198.3	199.3	199.6
44.5°	194.5	192.7	193.3	195.4	196.0	196.9

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66.5°	57.8	57.9	58.5	58.8	58.5	58.3
67°	55.4	55.6	56.1	56.4	56.1	56.1

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89°	0.0	0.1	0.2	0.3	0.6	0.9
89.5°	0.0	0.0	0.0	0.1	0.2	0.5

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Scaled Data Report



(END OF REPORT)