

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: P639506

Luminaire Tested: RL6069FSD2W1EWHDM -600LM -3500K

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-2019
Report Number: P639506
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 -3500K
Description: 6IN DIRECT MOUNT, 600LM SELECTABLE CCT, MATTE WHITE BAFFLE
Light Source: (1) DEDICATED LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 760.0 lumens
Efficiency: N/A
Efficacy: 101.3 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

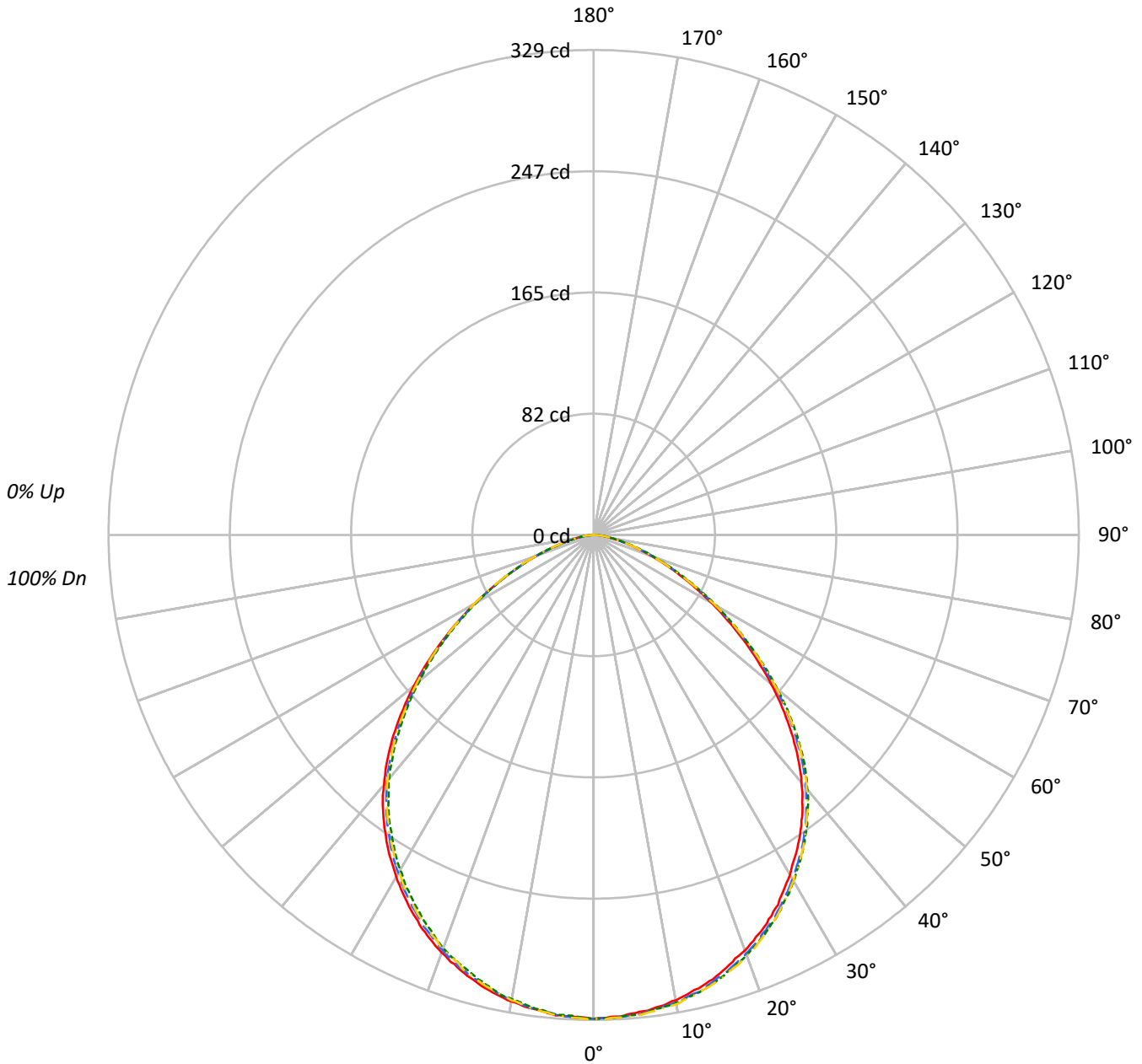
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

Luminous Intensity Polar Plot





TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17997	17997	17997	17997
5°	17918	17989	17962	17940
10°	17852	17947	17891	17802
15°	17713	17872	17758	17611
20°	17502	17712	17589	17402
25°	17263	17481	17311	16997
30°	16851	17186	16952	16610
35°	16369	16737	16483	16102
40°	15694	16137	15823	15436
45°	14707	15195	14870	14412
50°	13381	13867	13552	13159
55°	11823	12234	11966	11737
60°	10131	10525	10197	10065
65°	8380	8717	8367	8354
70°	6700	7020	6572	6540
75°	5062	5401	4850	4681
80°	3757	3978	3441	3283
85°	3334	3522	2768	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°
 Vertical Angle: 45°
 Luminance: 15211 cd/sqm



TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	4.1
10°-20°	88.2	11.6
20°-30°	131.5	17.3
30°-40°	153.5	20.2
40°-50°	147.0	19.3
50°-60°	112.0	14.7
60°-70°	65.3	8.6
70°-80°	26.0	3.4
80°-90°	5.5	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°	250.7	33.0
0°-40°	404.2	53.2
0°-60°	663.3	87.3
0°-90°	760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	760.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	328	328	328	328	328	
5°	326	327	326	326	326	31
15°	312	315	313	310	312	88
25°	285	289	286	281	285	131
35°	245	250	246	241	245	153
45°	190	196	192	186	190	146
55°	124	128	125	123	124	111
65°	65	67	64	64	65	65
75°	24	26	23	22	24	26
85°	5	6	4	4	5	6
90°	0	0	0	0	0	



TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3
0.5°	327.9	328.3	328.3	328.4	328.2	328.3	328.5	328.0	327.9	328.3	328.3
1°	327.8	328.2	328.0	328.2	328.2	328.3	328.8	328.5	327.6	328.2	328.0
1.5°	327.8	328.2	327.9	328.3	328.0	328.2	328.5	328.7	327.3	328.0	327.8
2°	327.2	328.0	327.7	328.3	328.0	327.6	327.9	328.5	327.3	328.2	328.0
2.5°	327.1	328.3	327.8	328.1	327.9	327.9	327.9	327.9	327.1	327.9	327.8
3°	327.2	328.0	327.8	328.4	327.5	328.0	327.9	327.9	327.1	327.6	327.2
3.5°	327.0	327.6	327.4	328.4	327.1	328.0	327.9	328.0	327.1	327.8	327.4
4°	326.1	327.3	327.3	328.0	327.1	328.2	327.8	327.1	326.7	328.2	326.5
4.5°	325.7	326.9	326.9	327.3	326.9	328.0	327.6	326.8	327.0	327.6	326.5
5°	325.6	327.0	326.6	327.2	326.9	327.5	327.3	326.8	326.4	326.6	325.7
5.5°	324.9	327.0	326.6	326.9	327.0	326.6	327.2	326.7	325.9	326.4	325.2
6°	324.9	326.4	326.3	326.5	326.6	326.5	326.7	326.2	325.1	326.3	325.1
6.5°	324.9	325.3	325.3	326.2	325.6	325.9	326.1	325.6	324.6	325.2	324.9
7°	324.0	325.1	325.1	325.7	324.8	325.6	325.8	325.2	324.3	325.1	324.4
7.5°	323.3	324.3	324.6	325.5	324.3	324.7	325.7	325.0	323.8	324.6	323.9
8°	322.9	323.8	324.0	324.7	324.3	324.2	324.9	324.3	323.7	323.7	323.0
8.5°	322.6	323.4	323.4	324.6	323.6	324.2	324.4	324.2	323.1	323.2	322.4
9°	321.8	323.2	323.1	323.5	323.5	323.7	323.9	323.5	322.3	322.6	321.9
9.5°	320.8	322.6	322.5	323.4	323.0	322.9	323.8	323.1	321.7	322.5	321.3
10°	320.7	321.7	322.1	322.7	322.4	322.4	323.3	322.2	321.4	321.6	320.9
10.5°	319.7	321.4	321.2	321.8	322.2	322.2	322.6	321.5	320.9	321.3	319.8
11°	318.9	320.4	320.7	321.6	320.9	320.9	321.3	320.9	320.0	319.8	318.9
11.5°	318.2	319.5	319.7	320.4	320.3	320.2	320.9	319.8	319.3	319.5	318.2
12°	317.1	318.9	318.9	319.7	319.7	320.2	320.4	319.2	318.5	318.5	317.5
12.5°	316.2	318.1	318.4	319.0	318.9	319.7	319.2	318.6	317.8	318.0	316.6
13°	315.9	317.2	318.3	318.0	318.5	318.8	318.6	317.5	316.7	317.5	315.8
13.5°	314.7	315.8	316.9	317.5	317.5	317.9	317.6	317.1	316.1	316.2	314.5
14°	313.9	315.1	315.7	316.3	316.7	317.0	316.8	316.1	315.3	314.8	313.6
14.5°	312.8	314.8	314.7	315.8	315.5	316.6	316.0	315.3	314.0	314.1	312.4
15°	312.1	313.7	313.7	315.0	314.9	315.1	315.0	314.1	312.9	312.8	311.8
15.5°	310.9	311.9	312.4	314.1	313.6	314.0	314.3	313.0	311.9	311.9	310.9
16°	309.6	310.9	311.4	312.7	312.8	313.1	313.3	312.3	311.2	310.5	309.7
16.5°	308.3	310.2	310.5	311.4	311.6	311.7	312.2	311.2	309.9	309.6	308.3
17°	307.2	308.6	309.7	310.6	310.0	311.0	310.6	309.7	308.8	308.4	307.7
17.5°	305.8	308.2	308.3	309.0	309.5	309.8	309.7	308.8	307.6	307.0	306.6
18°	304.7	306.7	307.1	307.7	308.2	308.3	308.5	308.5	306.1	306.3	305.0
18.5°	302.8	304.8	305.9	307.5	306.8	307.6	307.7	306.7	305.5	305.2	303.7
19°	302.0	303.8	304.6	305.9	305.9	306.4	306.5	305.3	304.0	303.5	302.6
19.5°	301.0	302.7	303.7	304.1	304.7	304.9	305.0	304.2	302.6	302.1	301.2
20°	300.0	302.0	302.3	303.1	303.6	303.6	303.7	302.5	301.5	301.4	299.7
20.5°	298.7	300.3	301.1	301.9	301.9	302.3	302.8	301.2	300.1	299.4	298.7
21°	297.0	299.3	299.7	300.4	300.9	301.0	301.7	300.1	298.9	298.3	296.7



TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	292.8	294.8	295.3	296.9	296.4	297.1	297.0	295.7	294.4	293.8	292.0
23°	291.5	293.2	293.6	294.9	295.5	295.9	295.3	294.3	292.7	291.8	290.7
23.5°	290.0	291.7	292.6	293.5	293.5	294.4	293.8	292.9	291.5	290.3	289.5
24°	288.6	290.0	290.7	291.6	292.2	292.9	292.3	291.4	289.8	289.0	287.7
24.5°	286.3	288.2	289.4	290.2	290.4	291.2	290.8	289.6	287.7	287.7	285.7
25°	285.4	286.7	288.2	288.6	289.0	289.3	289.1	288.0	286.2	285.7	283.9
25.5°	283.1	285.1	286.3	287.2	287.6	287.5	287.5	286.2	284.6	283.5	282.0
26°	281.5	283.3	284.3	285.4	285.9	285.9	285.8	284.2	282.9	282.0	280.6
26.5°	280.4	281.4	282.7	283.5	284.1	284.6	283.9	282.5	281.1	280.5	278.6
27°	277.6	280.0	280.8	282.0	282.2	282.7	282.1	281.2	279.1	278.5	276.8
27.5°	275.7	278.4	278.9	280.1	280.1	280.6	280.5	279.2	277.4	276.7	275.0
28°	273.8	276.1	277.0	278.3	278.4	278.7	278.2	277.2	275.5	275.0	273.2
28.5°	271.8	274.1	275.5	276.3	277.3	276.7	276.5	275.2	273.7	272.9	271.1
29°	269.9	272.1	273.6	274.2	275.2	274.9	274.6	273.4	271.5	271.0	269.2
29.5°	268.2	270.3	271.5	272.6	272.9	272.9	272.7	271.5	269.9	268.6	267.2
30°	266.2	268.7	269.6	270.7	271.5	271.0	271.0	269.4	267.8	266.5	264.8
30.5°	263.8	266.7	267.7	268.7	269.3	269.1	268.6	267.4	265.7	264.8	263.2
31°	261.5	264.2	265.6	266.7	266.8	267.1	266.7	265.4	263.6	262.8	261.1
31.5°	259.6	262.6	263.5	264.7	264.9	265.0	264.9	263.4	261.5	260.9	259.2
32°	257.7	260.5	261.6	262.5	263.0	263.5	263.0	261.3	259.5	259.1	256.9
32.5°	255.7	258.2	259.5	260.5	261.1	260.9	260.9	259.3	257.7	256.4	254.6
33°	253.6	256.0	257.6	258.3	258.9	258.9	258.6	257.0	255.5	254.2	252.6
33.5°	251.4	254.0	255.5	256.3	256.9	256.8	256.7	254.8	253.3	252.0	250.1
34°	249.4	251.8	253.4	254.4	254.5	254.4	254.4	252.8	251.2	249.8	247.7
34.5°	247.0	249.2	251.2	252.2	252.5	252.3	252.2	250.9	248.7	247.4	245.2
35°	244.6	247.3	248.7	250.2	250.1	250.3	249.6	248.6	246.3	245.2	243.0
35.5°	242.5	245.0	246.4	247.5	247.9	248.2	247.3	246.8	244.3	243.2	241.0
36°	239.7	242.5	244.2	245.1	245.9	246.1	244.8	243.9	241.9	240.8	238.4
36.5°	237.7	240.3	241.8	242.9	243.5	243.7	242.5	241.1	239.4	238.4	236.3
37°	235.3	237.5	239.6	240.7	240.3	241.1	240.2	239.1	237.0	235.9	233.8
37.5°	232.7	235.4	236.9	237.6	238.2	238.0	237.6	236.5	234.6	233.2	231.2
38°	229.8	232.6	234.4	235.2	235.7	236.0	236.1	233.8	232.4	230.7	228.5
38.5°	227.4	230.3	231.5	232.5	233.6	233.1	233.3	231.1	229.8	227.9	226.0
39°	224.9	227.5	229.2	230.0	231.0	231.2	230.2	228.9	227.3	225.8	223.3
39.5°	222.1	225.0	226.6	227.7	228.6	228.6	227.4	226.3	223.9	222.7	220.6
40°	219.3	222.9	224.1	225.1	225.5	225.5	224.6	223.6	221.1	220.4	218.1
40.5°	216.9	219.6	221.4	222.3	222.5	222.8	222.2	220.2	218.5	218.1	215.4
41°	213.9	216.5	218.3	219.6	220.2	220.3	219.5	218.1	215.5	214.7	212.7
41.5°	211.0	213.6	215.5	216.8	217.4	217.5	216.5	215.6	213.2	211.5	209.4
42°	208.0	210.9	212.8	213.8	214.6	213.9	213.6	212.1	210.1	208.8	206.6
42.5°	205.1	207.7	209.7	210.5	212.1	211.5	210.5	209.2	207.0	206.1	203.6
43°	202.2	204.7	206.5	207.6	208.8	208.3	207.7	206.1	204.1	202.9	200.7
43.5°	199.1	201.7	203.5	204.8	205.7	205.4	204.3	202.9	201.2	199.9	197.7



TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	189.7	192.3	194.3	195.0	196.0	196.2	195.0	193.7	191.8	190.4	188.6
45.5°	186.5	189.1	190.6	192.0	193.1	193.0	192.3	190.5	188.5	187.2	185.5
46°	183.4	185.7	187.8	189.0	189.5	189.5	188.8	187.2	185.4	184.1	182.3
46.5°	179.9	182.4	184.5	185.7	186.6	186.2	185.5	184.0	182.0	180.7	178.9
47°	177.1	179.1	181.0	181.9	182.9	183.1	181.9	180.6	179.0	177.5	175.8
47.5°	173.5	176.0	177.8	178.4	179.7	179.6	178.7	177.5	175.2	174.5	172.2
48°	170.3	172.5	174.5	175.0	176.6	176.1	175.4	174.3	172.2	171.2	169.1
48.5°	167.1	169.2	170.9	171.9	172.9	172.7	172.3	170.6	169.0	168.0	165.8
49°	163.6	165.7	167.5	168.5	169.5	169.2	168.4	167.3	165.8	164.6	162.7
49.5°	160.4	162.3	164.2	165.3	166.1	166.0	165.2	164.0	162.4	161.1	159.3
50°	156.9	158.8	160.7	161.4	162.6	162.8	161.6	160.4	158.9	157.8	156.1
50.5°	153.8	155.9	157.2	158.3	159.0	159.2	158.2	156.9	155.5	154.5	152.8
51°	150.3	152.5	153.7	155.0	155.9	155.2	155.0	153.7	152.2	151.5	149.8
51.5°	147.0	149.1	150.6	151.4	152.7	152.1	151.6	150.3	148.9	147.6	146.2
52°	143.3	145.5	147.0	148.2	149.2	148.7	147.9	147.0	145.7	144.6	142.9
52.5°	140.2	141.8	143.5	144.5	145.4	145.2	144.7	143.7	142.2	141.3	139.6
53°	136.9	138.6	140.1	141.2	141.7	142.2	141.1	140.0	138.6	137.7	136.5
53.5°	133.5	135.3	136.9	137.9	138.5	138.4	137.7	136.7	135.3	134.5	133.3
54°	130.2	131.8	133.7	134.4	134.9	134.9	134.2	133.5	132.1	131.1	129.9
54.5°	127.2	128.7	130.1	131.1	131.5	131.6	130.9	130.2	128.7	127.8	126.6
55°	123.7	125.2	126.8	127.8	128.0	128.1	127.5	126.6	125.2	124.4	123.3
55.5°	120.4	121.9	123.4	124.4	124.8	124.8	124.1	123.2	121.9	121.0	120.2
56°	117.2	118.7	120.2	121.1	121.5	121.4	120.6	120.0	118.6	117.8	117.0
56.5°	114.1	115.5	117.0	117.9	118.3	118.1	117.3	116.6	115.6	114.8	113.8
57°	110.9	112.2	113.8	114.4	115.1	114.7	114.3	113.2	112.1	111.4	110.8
57.5°	107.6	109.1	110.8	111.3	111.6	111.5	110.8	109.9	108.9	108.2	107.5
58°	104.4	106.0	107.5	108.2	108.5	108.3	107.6	106.8	105.7	105.1	104.2
58.5°	101.4	102.6	104.1	104.9	105.6	105.3	104.3	103.4	102.3	101.9	101.1
59°	98.3	99.5	101.1	101.5	102.3	102.0	101.1	100.4	99.3	98.6	98.1
59.5°	95.4	96.4	97.8	98.6	98.8	98.6	98.2	97.1	96.0	95.6	95.1
60°	92.4	93.3	94.8	95.7	96.0	95.5	94.9	94.1	93.0	92.6	92.1
60.5°	89.4	90.3	91.9	92.5	93.0	92.6	91.9	91.0	90.1	89.6	89.1
61°	86.4	87.4	88.9	89.6	90.1	89.5	88.7	87.8	86.9	86.5	86.1
61.5°	83.6	84.4	85.9	86.6	87.0	86.5	85.7	84.8	84.0	83.5	83.0
62°	80.7	81.6	82.9	83.5	84.1	83.4	82.7	81.8	81.0	80.6	80.3
62.5°	77.8	78.8	80.0	80.7	81.2	80.5	79.8	79.2	78.1	77.7	77.5
63°	75.1	76.0	77.2	77.8	78.2	77.5	76.9	76.0	75.3	75.0	74.5
63.5°	72.3	73.3	74.4	75.1	75.3	74.9	74.0	73.2	72.6	72.3	72.0
64°	69.6	70.6	71.8	72.4	72.6	72.2	71.4	70.4	69.8	69.5	69.4
64.5°	67.1	67.9	69.1	69.7	70.0	69.4	68.6	67.8	67.0	66.9	66.5
65°	64.6	65.4	66.4	67.0	67.2	66.7	65.9	65.2	64.5	64.4	63.9
65.5°	62.0	62.8	63.9	64.4	64.6	64.1	63.4	62.6	61.9	61.6	61.5
66°	59.6	60.4	61.4	61.9	62.1	61.5	60.7	59.9	59.3	59.1	58.8



TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	52.6	53.4	54.4	54.9	54.5	54.1	53.4	52.7	52.0	51.8	51.7
68°	50.4	51.1	52.0	52.6	52.3	51.8	51.1	50.2	49.6	49.5	49.4
68.5°	48.2	49.0	49.7	50.3	50.0	49.5	48.7	47.9	47.3	47.3	47.0
69°	46.0	46.8	47.6	48.1	47.9	47.4	46.5	45.8	45.2	45.0	44.7
69.5°	43.8	44.6	45.4	45.9	45.9	45.3	44.5	43.6	43.0	42.8	42.7
70°	41.8	42.6	43.5	43.7	43.8	43.3	42.4	41.7	41.0	40.8	40.7
70.5°	39.9	40.5	41.3	41.7	41.8	41.3	40.5	39.7	39.1	38.8	38.7
71°	37.8	38.6	39.2	39.7	39.9	39.3	38.5	37.7	37.1	36.9	36.7
71.5°	35.8	36.6	37.3	37.7	37.9	37.3	36.5	35.9	35.1	34.8	34.7
72°	34.0	34.6	35.3	35.7	36.0	35.4	34.6	33.9	33.2	33.0	32.9
72.5°	32.0	32.6	33.4	33.7	34.1	33.6	32.8	32.0	31.5	31.1	31.0
73°	30.2	31.0	31.5	31.8	32.3	31.7	30.9	30.2	29.7	29.3	29.2
73.5°	28.5	29.3	29.8	30.1	30.5	29.9	29.2	28.4	27.8	27.6	27.4
74°	27.0	27.6	28.1	28.3	28.9	28.2	27.4	26.7	26.1	25.8	25.6
74.5°	25.3	26.0	26.5	26.7	27.1	26.5	25.8	25.1	24.5	24.2	24.0
75°	23.9	24.5	24.9	25.0	25.5	24.9	24.2	23.5	22.9	22.6	22.5
75.5°	22.3	22.9	23.5	23.5	23.9	23.5	22.6	22.1	21.4	21.1	21.0
76°	20.9	21.5	21.9	22.0	22.4	21.9	21.2	20.6	20.0	19.7	19.5
76.5°	19.6	20.2	20.5	20.6	21.0	20.5	19.8	19.1	18.5	18.2	18.1
77°	18.3	18.9	19.2	19.3	19.6	19.1	18.4	17.8	17.2	16.9	16.8
77.5°	17.1	17.6	18.0	18.0	18.3	17.8	17.1	16.5	16.0	15.6	15.5
78°	15.9	16.3	16.7	16.8	17.0	16.5	16.0	15.4	14.9	14.5	14.3
78.5°	14.7	15.3	15.6	15.6	15.8	15.3	14.8	14.2	13.7	13.5	13.3
79°	13.8	14.2	14.5	14.5	14.6	14.2	13.6	13.3	12.8	12.4	12.3
79.5°	12.9	13.3	13.6	13.6	13.5	13.3	12.8	12.3	11.8	11.5	11.3
80°	11.9	12.4	12.6	12.6	12.6	12.3	11.8	11.3	10.9	10.6	10.4
80.5°	11.1	11.5	11.8	11.7	11.7	11.4	10.9	10.5	10.1	9.8	9.6
81°	10.3	10.7	10.9	10.9	10.8	10.5	10.1	9.7	9.3	9.0	8.8
81.5°	9.5	9.9	10.1	10.1	9.9	9.7	9.2	8.9	8.6	8.3	8.2
82°	8.8	9.1	9.3	9.3	9.2	8.9	8.6	8.2	7.9	7.7	7.5
82.5°	8.2	8.5	8.7	8.6	8.4	8.2	8.0	7.6	7.3	7.1	6.9
83°	7.6	7.9	8.1	8.1	7.9	7.6	7.4	7.1	6.7	6.5	6.2
83.5°	7.0	7.3	7.5	7.5	7.2	7.0	6.8	6.4	6.1	5.9	5.6
84°	6.5	6.7	6.9	6.9	6.7	6.5	6.2	5.9	5.5	5.3	5.1
84.5°	5.9	6.1	6.4	6.4	6.1	6.0	5.6	5.3	5.0	4.7	4.5
85°	5.3	5.6	5.8	5.8	5.6	5.4	5.0	4.8	4.4	4.2	3.8
85.5°	4.7	5.0	5.2	5.2	5.0	4.8	4.6	4.2	3.8	3.6	3.3
86°	4.1	4.4	4.7	4.7	4.4	4.3	4.0	3.6	3.3	3.0	2.9
86.5°	3.5	3.9	4.1	4.2	3.9	3.7	3.5	3.1	2.9	2.5	2.2
87°	3.0	3.4	3.5	3.6	3.5	3.3	2.9	2.5	2.2	1.9	1.6
87.5°	2.5	2.9	3.0	3.1	2.9	2.9	2.4	2.1	1.7	1.4	1.2
88°	1.9	2.3	2.5	2.6	2.4	2.2	1.9	1.5	1.1	0.9	0.6
88.5°	1.5	1.8	2.0	2.0	1.9	1.6	1.4	1.0	0.7	0.3	0.3



TEST NUMBER: P639506
CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

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: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	328.3	328.3	328.3	328.3	328.3	328.3
0.5°	328.0	328.0	328.4	328.7	327.9	327.9
1°	327.8	327.6	327.8	328.3	328.0	327.8
1.5°	327.7	327.4	327.6	327.9	328.5	327.8
2°	327.6	327.0	327.6	327.9	328.5	327.2
2.5°	327.1	326.5	327.3	328.0	327.8	327.1
3°	327.1	326.5	326.9	327.6	327.4	327.2
3.5°	327.0	326.2	326.9	327.4	327.2	327.0
4°	326.9	326.5	326.6	326.9	327.0	326.1
4.5°	326.6	326.4	326.7	326.7	326.5	325.7
5°	326.8	326.0	325.6	326.4	326.0	325.6
5.5°	326.5	325.2	325.5	325.6	325.2	324.9
6°	324.9	324.4	324.7	325.5	325.2	324.9
6.5°	324.2	323.9	324.6	324.8	324.2	324.9
7°	323.8	323.8	324.1	324.2	324.0	324.0
7.5°	323.4	322.9	322.7	323.9	323.6	323.3
8°	323.3	322.5	322.3	323.1	323.1	322.9
8.5°	322.2	321.6	321.8	322.5	322.6	322.6
9°	321.7	320.9	320.7	321.5	321.8	321.8
9.5°	321.1	320.2	320.3	320.9	321.4	320.8
10°	320.4	319.8	320.2	320.6	320.6	320.7
10.5°	319.4	319.1	319.1	319.5	320.0	319.7
11°	319.4	318.9	318.9	318.9	318.5	318.9
11.5°	318.2	318.1	318.1	317.9	318.0	318.2
12°	317.9	316.8	316.2	317.0	317.3	317.1
12.5°	316.4	315.8	315.3	316.2	316.2	316.2
13°	315.0	314.6	314.8	315.5	315.4	315.9
13.5°	314.4	313.6	314.2	314.6	314.5	314.7
14°	313.9	312.3	313.1	313.5	313.6	313.9
14.5°	312.6	311.7	311.9	312.3	312.1	312.8
15°	311.5	310.3	311.2	310.8	311.8	312.1
15.5°	310.1	309.0	309.4	309.8	310.5	310.9
16°	308.9	307.8	308.3	308.3	309.1	309.6
16.5°	308.0	306.6	307.2	308.3	307.9	308.3
17°	306.8	305.5	306.1	306.8	307.3	307.2
17.5°	305.6	304.6	305.3	304.7	305.6	305.8
18°	304.7	303.0	303.7	303.8	304.0	304.7
18.5°	302.8	302.3	301.8	302.3	303.1	302.8
19°	301.7	301.1	300.5	301.8	301.8	302.0
19.5°	300.3	299.6	299.2	299.9	300.7	301.0
20°	298.9	298.3	297.8	298.7	299.3	300.0
20.5°	297.0	296.8	296.5	297.6	298.1	298.7
21°	295.8	295.1	295.2	295.6	296.1	297.0



TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	291.6	289.8	290.1	291.3	291.3	292.8
23°	289.7	288.4	288.4	289.8	290.4	291.5
23.5°	288.4	286.6	287.1	288.0	288.6	290.0
24°	286.5	285.2	285.4	285.9	286.8	288.6
24.5°	284.9	283.1	283.6	284.6	285.3	286.3
25°	283.0	281.0	281.8	283.2	283.9	285.4
25.5°	281.0	279.7	279.9	281.2	281.9	283.1
26°	279.5	277.8	278.3	279.3	280.5	281.5
26.5°	277.7	275.8	276.7	277.4	278.3	280.4
27°	275.8	274.1	274.5	275.7	276.5	277.6
27.5°	273.8	272.1	272.5	274.0	274.9	275.7
28°	272.0	270.8	270.8	272.8	272.8	273.8
28.5°	270.2	268.6	268.9	270.3	270.8	271.8
29°	267.9	266.5	266.9	268.3	268.9	269.9
29.5°	265.7	264.0	264.9	265.9	266.9	268.2
30°	263.8	262.4	262.6	264.2	265.1	266.2
30.5°	261.8	260.4	260.7	262.2	262.9	263.8
31°	259.8	258.5	258.5	260.3	260.8	261.5
31.5°	257.9	256.4	256.4	257.8	258.8	259.6
32°	255.3	254.2	254.1	255.6	256.8	257.7
32.5°	253.0	251.9	251.9	253.2	254.6	255.7
33°	250.8	249.2	249.9	251.2	252.6	253.6
33.5°	248.6	247.4	247.8	249.1	250.3	251.4
34°	246.5	244.8	245.4	246.6	248.1	249.4
34.5°	244.3	242.7	243.2	244.7	245.9	247.0
35°	242.3	240.6	240.9	242.3	243.7	244.6
35.5°	239.8	238.7	238.7	239.8	241.0	242.5
36°	237.0	236.2	236.5	237.8	238.9	239.7
36.5°	234.9	233.7	233.8	235.2	236.2	237.7
37°	232.8	231.4	231.1	232.9	234.2	235.3
37.5°	230.3	228.6	228.8	230.1	231.7	232.7
38°	227.5	225.9	226.5	227.7	229.1	229.8
38.5°	224.9	223.2	224.1	225.3	226.3	227.4
39°	222.3	220.8	221.2	222.6	223.7	224.9
39.5°	219.3	218.5	218.7	220.3	221.0	222.1
40°	216.8	215.7	215.7	217.5	218.5	219.3
40.5°	214.1	213.1	213.5	214.7	215.5	216.9
41°	211.0	210.1	210.6	212.0	212.8	213.9
41.5°	208.5	206.7	207.9	209.3	210.1	211.0
42°	205.8	203.9	205.3	206.1	207.1	208.0
42.5°	202.5	201.3	202.0	203.1	204.5	205.1
43°	199.6	198.4	198.7	200.3	201.4	202.2
43.5°	196.4	195.5	195.5	197.2	198.4	199.1



TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	187.5	185.9	186.6	188.1	189.1	189.7
45.5°	184.3	182.9	183.5	185.0	185.7	186.5
46°	181.1	179.8	180.4	182.3	183.0	183.4
46.5°	177.8	176.8	177.6	178.8	179.5	179.9
47°	174.8	173.6	174.2	175.6	176.5	177.1
47.5°	171.5	170.4	171.3	172.6	173.0	173.5
48°	168.4	167.3	167.8	169.5	170.0	170.3
48.5°	165.0	164.1	164.9	165.8	166.6	167.1
49°	161.5	160.8	161.8	163.0	163.3	163.6
49.5°	158.3	157.8	158.5	159.7	159.9	160.4
50°	155.5	154.3	155.7	156.5	156.5	156.9
50.5°	151.9	151.2	152.2	153.3	153.7	153.8
51°	148.6	148.1	149.2	150.1	150.4	150.3
51.5°	145.3	145.1	145.6	146.9	147.0	147.0
52°	142.2	141.7	142.5	143.6	143.4	143.3
52.5°	138.9	138.6	139.5	140.3	140.2	140.2
53°	135.9	135.3	136.6	137.3	137.1	136.9
53.5°	132.6	132.1	133.1	133.9	133.9	133.5
54°	129.4	129.1	129.8	131.0	130.4	130.2
54.5°	126.3	125.7	126.4	127.7	127.3	127.2
55°	123.1	122.8	123.5	124.3	123.9	123.7
55.5°	119.9	119.4	120.3	120.9	120.8	120.4
56°	116.9	116.3	117.0	117.9	117.5	117.2
56.5°	113.7	113.0	113.8	114.9	114.6	114.1
57°	110.7	110.1	111.0	111.7	111.4	110.9
57.5°	107.4	106.7	107.9	108.4	108.0	107.6
58°	104.2	103.7	104.7	105.3	105.0	104.4
58.5°	101.3	100.8	101.6	102.3	101.8	101.4
59°	98.2	97.9	98.4	99.3	98.7	98.3
59.5°	95.1	94.7	95.7	96.3	95.8	95.4
60°	92.2	91.8	92.5	93.4	92.7	92.4
60.5°	89.4	88.8	89.6	90.3	89.8	89.4
61°	86.5	86.1	86.8	87.4	87.0	86.4
61.5°	83.4	83.3	84.0	84.5	84.0	83.6
62°	80.5	80.3	81.2	81.4	80.9	80.7
62.5°	77.8	77.6	78.3	78.7	78.1	77.8
63°	74.9	74.9	75.5	76.0	75.5	75.1
63.5°	72.2	72.3	73.0	73.2	72.7	72.3
64°	69.4	69.6	70.1	70.6	70.0	69.6
64.5°	66.7	66.9	67.5	67.9	67.4	67.1
65°	64.3	64.4	64.9	65.2	64.7	64.6
65.5°	61.7	61.8	62.6	62.6	62.3	62.0
66°	59.1	59.2	59.9	60.3	59.8	59.6



TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	52.0	52.1	52.7	52.9	52.7	52.6
68°	49.6	49.9	50.4	50.6	50.4	50.4
68.5°	47.3	47.6	48.0	48.4	48.2	48.2
69°	45.0	45.3	45.8	46.1	46.0	46.0
69.5°	42.9	43.1	43.6	43.8	43.8	43.8
70°	40.9	40.8	41.4	41.8	41.7	41.8
70.5°	39.0	38.7	39.4	39.7	39.7	39.9
71°	36.9	36.6	37.1	37.7	37.8	37.8
71.5°	35.0	34.7	35.2	35.6	35.7	35.8
72°	33.0	32.7	33.2	33.6	33.8	34.0
72.5°	31.2	30.7	31.2	31.6	31.8	32.0
73°	29.3	28.8	29.2	29.7	29.9	30.2
73.5°	27.5	27.0	27.4	27.9	28.3	28.5
74°	25.8	25.2	25.7	26.2	26.5	27.0
74.5°	24.1	23.6	24.0	24.5	24.9	25.3
75°	22.6	22.1	22.5	23.0	23.4	23.9
75.5°	21.1	20.5	20.9	21.4	21.8	22.3
76°	19.5	19.1	19.5	20.0	20.5	20.9
76.5°	18.1	17.8	18.1	18.6	19.1	19.6
77°	16.8	16.5	16.8	17.3	17.8	18.3
77.5°	15.5	15.3	15.6	16.0	16.5	17.1
78°	14.3	14.1	14.4	14.9	15.4	15.9
78.5°	13.3	13.1	13.4	13.8	14.3	14.7
79°	12.2	12.2	12.4	12.9	13.4	13.8
79.5°	11.3	11.2	11.4	11.9	12.4	12.9
80°	10.3	10.4	10.6	11.0	11.5	11.9
80.5°	9.5	9.6	9.8	10.2	10.7	11.1
81°	8.7	8.9	9.1	9.5	9.9	10.3
81.5°	8.1	8.3	8.5	8.8	9.1	9.5
82°	7.4	7.7	7.9	8.2	8.6	8.8
82.5°	6.8	7.0	7.2	7.5	7.9	8.2
83°	6.2	6.4	6.6	6.9	7.3	7.6
83.5°	5.6	5.8	6.0	6.4	6.7	7.0
84°	5.0	5.2	5.4	5.7	6.1	6.5
84.5°	4.4	4.6	4.8	5.2	5.5	5.9
85°	3.8	4.0	4.3	4.6	4.9	5.3
85.5°	3.2	3.4	3.7	4.0	4.3	4.7
86°	2.7	2.9	3.2	3.4	3.8	4.1
86.5°	2.2	2.3	2.6	2.9	3.3	3.5
87°	1.6	1.8	2.0	2.3	2.7	3.0
87.5°	1.1	1.2	1.5	1.8	2.1	2.5
88°	0.5	0.7	0.9	1.2	1.6	1.9
88.5°	0.1	0.3	0.5	0.7	1.1	1.5



TEST NUMBER: P639506

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3500K

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

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report





21.5°	296.0	297.5	298.4	299.5	299.7	300.2	300.0	298.3	297.2	296.7	295.4
22°	294.1	295.8	296.6	298.3	298.1	299.0	298.3	297.4	295.8	295.5	293.6



44°	195.8	198.5	200.5	201.8	202.5	202.5	201.4	200.0	198.0	196.8	194.8
44.5°	193.1	195.4	196.8	198.5	199.1	198.9	198.5	197.0	195.1	193.2	191.3



66.5°	57.2	58.0	58.9	59.4	59.4	58.9	58.2	57.4	56.7	56.6	56.4
67°	55.0	55.6	56.5	57.0	57.1	56.4	55.7	54.9	54.3	54.2	53.9



89°	0.9	1.2	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

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

Scaled Data Report





21.5°	294.6	293.3	293.5	294.0	294.8	296.0
22°	292.6	291.2	292.1	292.8	293.1	294.1



44°	193.5	192.3	192.7	194.4	195.5	195.8
44.5°	190.7	189.0	189.6	191.6	192.2	193.1



66.5°	56.7	56.8	57.4	57.7	57.4	57.2
67°	54.3	54.5	55.0	55.3	55.0	55.0



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

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

Scaled Data Report



(END OF REPORT)