

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: P639505

Luminaire Tested: RL6069FSD2W1EWHDM -600LM -3000K

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-2019
Report Number: P639505
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 -3000K
Description: 6IN DIRECT MOUNT, 600LM SELECTABLE CCT, MATTE WHITE BAFFLE
Light Source: (1) DEDICATED LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

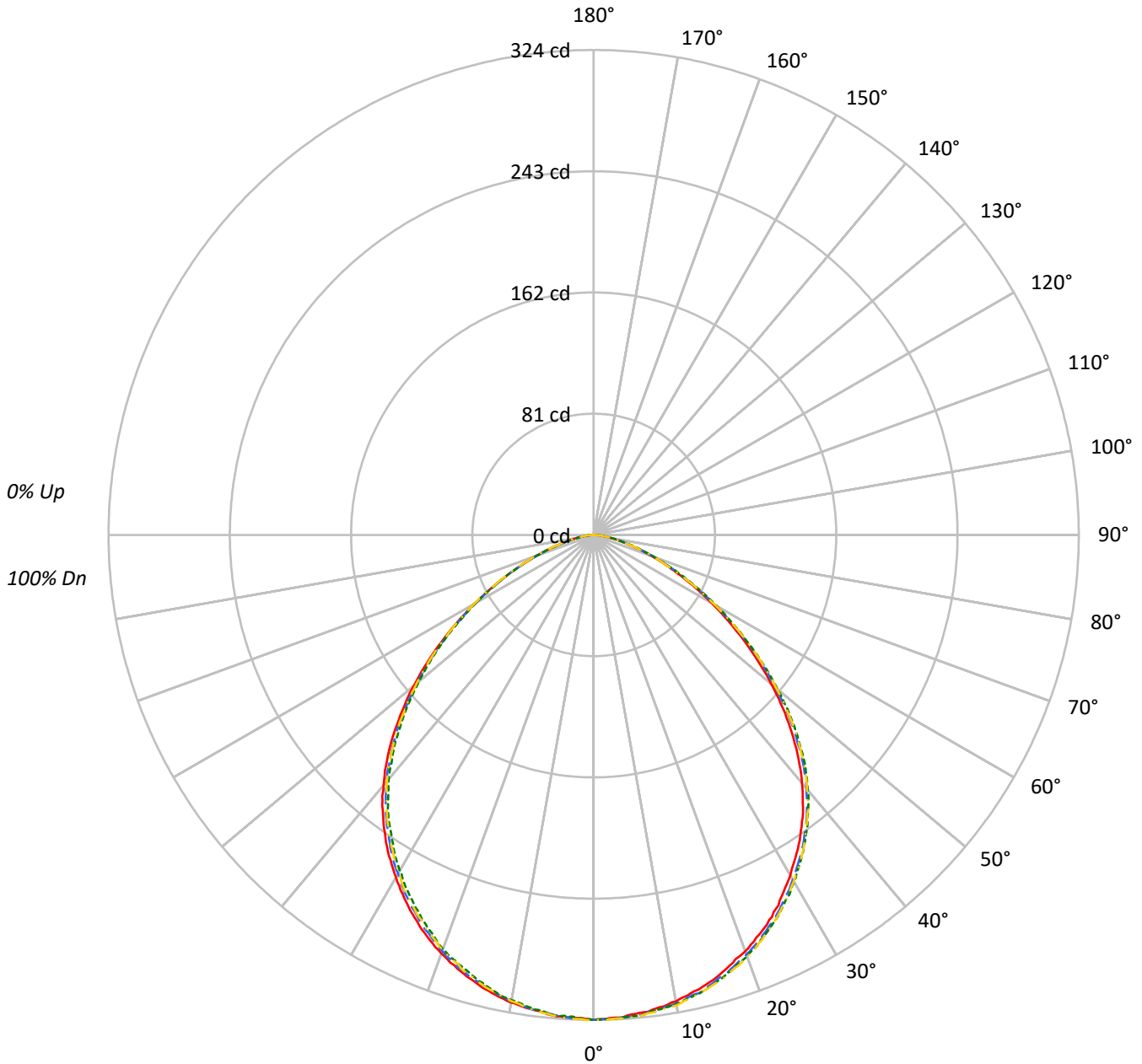
Lumens per Lamp: N/A
Luminaire Lumens: 750.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	17762	17762	17762	17762
5°	17681	17753	17725	17703
10°	17618	17707	17657	17568
15°	17475	17639	17526	17378
20°	17268	17478	17362	17175
25°	17033	17251	17082	16773
30°	16629	16958	16724	16389
35°	16149	16517	16269	15894
40°	15486	15930	15615	15236
45°	14513	14994	14676	14226
50°	13202	13680	13373	12989
55°	11660	12071	11804	11574
60°	9999	10394	10065	9933
65°	8276	8600	8263	8237
70°	6620	6940	6491	6459
75°	4999	5338	4787	4617
80°	3725	3915	3378	3220
85°	3271	3459	2705	2453

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°
 Vertical Angle: 45°
 Luminance: 15009 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	4.1
10°-20°	87.0	11.6
20°-30°	129.8	17.3
30°-40°	151.4	20.2
40°-50°	145.1	19.3
50°-60°	110.6	14.7
60°-70°	64.4	8.6
70°-80°	25.6	3.4
80°-90°	5.4	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°	247.4	33.0
0°-40°	398.9	53.2
0°-60°	654.5	87.3
0°-90°	750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	324	324	324	324	324	
5°	321	323	322	322	321	31
15°	308	311	309	306	308	87
25°	282	285	282	277	282	129
35°	241	247	243	238	241	151
45°	187	193	189	184	187	144
55°	122	126	124	121	122	109
65°	64	66	64	64	64	64
75°	24	25	23	22	24	26
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°	324.0	324.0	324.0	324.0	324.0	324.0	324.0	324.0	324.0	324.0	324.0
0.5°	323.6	324.0	324.0	324.1	323.8	324.0	324.2	323.7	323.6	323.9	323.9
1°	323.5	323.9	323.7	323.8	323.8	323.9	324.5	324.2	323.3	323.9	323.7
1.5°	323.5	323.8	323.6	324.0	323.7	323.8	324.2	324.3	322.9	323.7	323.5
2°	322.9	323.7	323.4	324.0	323.7	323.3	323.6	324.2	322.9	323.8	323.7
2.5°	322.8	324.0	323.5	323.8	323.6	323.6	323.6	323.6	322.8	323.6	323.5
3°	322.9	323.7	323.4	324.1	323.2	323.7	323.6	323.6	322.8	323.3	322.9
3.5°	322.7	323.3	323.1	324.1	322.8	323.7	323.6	323.7	322.8	323.4	323.1
4°	321.8	322.9	323.0	323.7	322.8	323.8	323.4	322.8	322.4	323.8	322.2
4.5°	321.4	322.6	322.6	322.9	322.6	323.7	323.3	322.5	322.7	323.3	322.2
5°	321.3	322.7	322.3	322.9	322.6	323.2	323.0	322.5	322.1	322.3	321.4
5.5°	320.7	322.7	322.3	322.6	322.7	322.3	322.9	322.4	321.6	322.1	320.9
6°	320.7	322.1	322.0	322.2	322.3	322.2	322.4	321.9	320.8	322.0	320.8
6.5°	320.6	321.1	321.0	321.9	321.3	321.6	321.8	321.3	320.3	320.9	320.6
7°	319.7	320.8	320.8	321.4	320.5	321.3	321.5	320.9	320.0	320.8	320.1
7.5°	319.1	320.1	320.3	321.2	320.1	320.4	321.4	320.7	319.5	320.3	319.7
8°	318.6	319.6	319.7	320.4	320.1	319.9	320.6	320.1	319.4	319.4	318.7
8.5°	318.4	319.1	319.1	320.3	319.3	319.9	320.1	319.9	318.8	318.9	318.2
9°	317.6	318.9	318.8	319.3	319.2	319.4	319.6	319.2	318.1	318.4	317.7
9.5°	316.6	318.3	318.3	319.1	318.7	318.7	319.5	318.8	317.5	318.3	317.1
10°	316.5	317.4	317.8	318.4	318.1	318.2	319.0	317.9	317.2	317.3	316.7
10.5°	315.4	317.2	317.0	317.6	318.0	317.9	318.3	317.3	316.7	317.1	315.6
11°	314.7	316.2	316.4	317.4	316.7	316.7	317.1	316.7	315.8	315.6	314.7
11.5°	314.0	315.3	315.4	316.2	316.1	316.0	316.7	315.6	315.1	315.3	314.1
12°	312.9	314.7	314.7	315.4	315.5	316.0	316.2	315.0	314.3	314.3	313.3
12.5°	312.0	313.9	314.2	314.8	314.7	315.5	315.0	314.4	313.6	313.8	312.4
13°	311.8	313.0	314.1	313.8	314.3	314.6	314.4	313.3	312.6	313.3	311.6
13.5°	310.6	311.7	312.7	313.3	313.3	313.7	313.4	312.9	311.9	312.1	310.3
14°	309.8	310.9	311.6	312.2	312.6	312.8	312.7	311.9	311.1	310.6	309.5
14.5°	308.7	310.6	310.6	311.6	311.3	312.4	311.8	311.1	309.8	309.9	308.3
15°	307.9	309.6	309.6	310.8	310.8	310.9	310.8	309.9	308.8	308.7	307.7
15.5°	306.8	307.8	308.3	309.9	309.4	309.8	310.1	308.9	307.8	307.8	306.8
16°	305.5	306.8	307.3	308.6	308.7	308.9	309.2	308.2	307.1	306.4	305.7
16.5°	304.2	306.1	306.4	307.3	307.5	307.6	308.1	307.1	305.8	305.6	304.3
17°	303.2	304.5	305.7	306.6	305.9	306.9	306.5	305.7	304.7	304.3	303.6
17.5°	301.7	304.1	304.2	304.9	305.4	305.7	305.7	304.7	303.6	303.0	302.6
18°	300.7	302.7	303.1	303.6	304.2	304.2	304.4	304.4	302.1	302.3	301.0
18.5°	298.8	300.8	301.8	303.5	302.7	303.5	303.6	302.6	301.5	301.2	299.7
19°	298.1	299.8	300.6	301.9	301.9	302.4	302.5	301.3	300.0	299.5	298.6
19.5°	297.1	298.7	299.7	300.1	300.7	300.9	301.0	300.2	298.6	298.1	297.3
20°	296.0	298.0	298.3	299.1	299.6	299.6	299.7	298.6	297.6	297.4	295.7
20.5°	294.8	296.4	297.1	297.9	298.0	298.3	298.8	297.2	296.1	295.5	294.7
21°	293.1	295.3	295.7	296.5	297.0	297.1	297.7	296.2	295.0	294.3	292.8



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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°	289.0	291.0	291.5	293.0	292.5	293.2	293.1	291.8	290.5	290.0	288.1
23°	287.6	289.3	289.8	291.0	291.6	292.0	291.4	290.5	288.9	288.0	286.9
23.5°	286.2	287.9	288.7	289.6	289.7	290.5	290.0	289.0	287.7	286.5	285.7
24°	284.8	286.2	286.8	287.7	288.3	289.0	288.5	287.6	286.0	285.2	283.9
24.5°	282.6	284.5	285.6	286.4	286.6	287.4	287.0	285.8	284.0	284.0	282.0
25°	281.6	282.9	284.5	284.8	285.2	285.5	285.3	284.2	282.4	282.0	280.1
25.5°	279.3	281.3	282.5	283.5	283.8	283.7	283.7	282.4	280.9	279.8	278.3
26°	277.8	279.6	280.6	281.7	282.2	282.1	282.1	280.5	279.2	278.3	277.0
26.5°	276.7	277.7	279.0	279.8	280.4	280.8	280.1	278.8	277.4	276.8	274.9
27°	273.9	276.3	277.1	278.3	278.5	279.0	278.3	277.5	275.5	274.8	273.1
27.5°	272.1	274.7	275.2	276.4	276.5	276.9	276.8	275.5	273.7	273.1	271.4
28°	270.2	272.5	273.3	274.7	274.7	275.0	274.6	273.6	271.8	271.3	269.6
28.5°	268.2	270.5	271.8	272.7	273.6	273.0	272.9	271.6	270.1	269.3	267.6
29°	266.3	268.5	270.0	270.6	271.6	271.3	271.0	269.8	268.0	267.4	265.6
29.5°	264.6	266.7	267.9	269.0	269.3	269.3	269.1	267.9	266.3	265.1	263.7
30°	262.7	265.2	266.0	267.1	267.9	267.5	267.4	265.9	264.2	263.0	261.3
30.5°	260.3	263.2	264.2	265.1	265.8	265.6	265.1	263.9	262.2	261.3	259.7
31°	258.0	260.7	262.1	263.2	263.3	263.6	263.2	262.0	260.2	259.3	257.6
31.5°	256.2	259.1	260.1	261.2	261.5	261.5	261.4	260.0	258.1	257.5	255.8
32°	254.3	257.1	258.2	259.0	259.5	260.0	259.5	257.9	256.1	255.7	253.5
32.5°	252.3	254.8	256.1	257.1	257.6	257.5	257.5	255.8	254.3	253.0	251.3
33°	250.3	252.6	254.2	254.9	255.5	255.5	255.2	253.6	252.2	250.9	249.2
33.5°	248.1	250.7	252.1	252.9	253.5	253.4	253.3	251.5	250.0	248.7	246.8
34°	246.1	248.5	250.1	251.0	251.1	251.1	251.1	249.5	247.9	246.5	244.4
34.5°	243.7	245.9	247.8	248.9	249.2	249.0	248.9	247.6	245.5	244.2	242.0
35°	241.3	244.1	245.4	246.9	246.8	247.0	246.3	245.3	243.1	242.0	239.8
35.5°	239.3	241.7	243.2	244.2	244.6	244.9	244.1	243.6	241.1	240.0	237.8
36°	236.6	239.3	241.0	241.8	242.6	242.9	241.6	240.7	238.7	237.6	235.3
36.5°	234.6	237.2	238.6	239.7	240.3	240.5	239.3	238.0	236.2	235.2	233.2
37°	232.2	234.4	236.4	237.5	237.2	238.0	237.0	236.0	233.9	232.8	230.7
37.5°	229.7	232.4	233.8	234.5	235.1	234.9	234.5	233.4	231.5	230.1	228.2
38°	226.7	229.6	231.4	232.1	232.6	232.9	233.0	230.7	229.4	227.6	225.5
38.5°	224.4	227.2	228.4	229.4	230.5	230.0	230.2	228.1	226.7	224.9	223.1
39°	222.0	224.5	226.2	227.0	228.0	228.2	227.2	225.9	224.3	222.9	220.4
39.5°	219.1	222.1	223.6	224.7	225.6	225.6	224.4	223.4	221.0	219.8	217.7
40°	216.4	220.0	221.1	222.2	222.6	222.6	221.6	220.7	218.2	217.5	215.2
40.5°	214.0	216.7	218.5	219.4	219.6	219.9	219.3	217.3	215.6	215.2	212.5
41°	211.1	213.7	215.5	216.7	217.3	217.4	216.6	215.2	212.7	211.9	209.9
41.5°	208.2	210.7	212.6	213.9	214.5	214.6	213.7	212.8	210.4	208.7	206.7
42°	205.3	208.1	210.0	211.0	211.7	211.1	210.8	209.3	207.4	206.1	203.9
42.5°	202.4	205.0	207.0	207.7	209.3	208.7	207.7	206.4	204.3	203.4	200.9
43°	199.5	202.0	203.7	204.9	206.1	205.6	205.0	203.4	201.4	200.2	198.1
43.5°	196.5	199.0	200.8	202.1	203.0	202.7	201.6	200.2	198.5	197.2	195.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	187.2	189.7	191.7	192.4	193.4	193.6	192.5	191.2	189.3	187.9	186.1
45.5°	184.1	186.6	188.1	189.5	190.5	190.4	189.7	188.0	186.0	184.7	183.1
46°	181.0	183.3	185.3	186.5	187.0	187.0	186.3	184.7	182.9	181.7	179.9
46.5°	177.6	180.0	182.1	183.2	184.2	183.7	183.0	181.6	179.6	178.4	176.5
47°	174.8	176.7	178.6	179.5	180.5	180.7	179.5	178.2	176.6	175.2	173.5
47.5°	171.2	173.7	175.4	176.0	177.3	177.2	176.3	175.1	172.9	172.2	170.0
48°	168.1	170.2	172.2	172.7	174.2	173.8	173.1	172.0	170.0	169.0	166.9
48.5°	164.9	167.0	168.6	169.6	170.6	170.5	170.0	168.4	166.8	165.8	163.6
49°	161.4	163.5	165.3	166.3	167.3	167.0	166.2	165.1	163.6	162.4	160.5
49.5°	158.3	160.2	162.1	163.1	163.9	163.9	163.0	161.8	160.3	159.0	157.2
50°	154.8	156.8	158.6	159.3	160.4	160.7	159.5	158.3	156.8	155.7	154.1
50.5°	151.8	153.8	155.1	156.3	156.9	157.1	156.1	154.9	153.4	152.4	150.8
51°	148.3	150.5	151.7	152.9	153.8	153.2	152.9	151.7	150.2	149.5	147.8
51.5°	145.1	147.1	148.6	149.4	150.6	150.1	149.6	148.4	147.0	145.6	144.3
52°	141.4	143.6	145.1	146.3	147.3	146.8	146.0	145.1	143.8	142.7	141.0
52.5°	138.3	140.0	141.6	142.6	143.5	143.3	142.8	141.8	140.3	139.4	137.8
53°	135.1	136.8	138.3	139.3	139.9	140.4	139.3	138.1	136.8	135.9	134.7
53.5°	131.8	133.5	135.1	136.1	136.6	136.6	135.9	134.9	133.5	132.8	131.5
54°	128.5	130.1	132.0	132.6	133.1	133.1	132.4	131.8	130.4	129.4	128.2
54.5°	125.5	127.0	128.4	129.4	129.8	129.9	129.2	128.5	127.0	126.1	125.0
55°	122.0	123.6	125.1	126.1	126.3	126.4	125.9	125.0	123.5	122.8	121.6
55.5°	118.8	120.3	121.8	122.8	123.1	123.2	122.4	121.6	120.3	119.4	118.6
56°	115.7	117.1	118.6	119.5	119.9	119.8	119.0	118.4	117.0	116.3	115.5
56.5°	112.6	114.0	115.4	116.3	116.8	116.5	115.8	115.0	114.0	113.3	112.3
57°	109.4	110.7	112.3	112.9	113.5	113.2	112.8	111.8	110.6	109.9	109.3
57.5°	106.2	107.6	109.3	109.8	110.1	110.0	109.4	108.5	107.4	106.8	106.0
58°	103.0	104.6	106.1	106.8	107.1	106.9	106.2	105.4	104.3	103.7	102.9
58.5°	100.1	101.2	102.8	103.5	104.2	103.9	102.9	102.0	101.0	100.5	99.8
59°	97.0	98.2	99.8	100.2	101.0	100.7	99.8	99.1	98.0	97.3	96.8
59.5°	94.1	95.1	96.5	97.3	97.5	97.3	96.9	95.8	94.8	94.4	93.9
60°	91.2	92.0	93.6	94.4	94.8	94.2	93.7	92.9	91.8	91.4	90.9
60.5°	88.2	89.2	90.7	91.3	91.8	91.4	90.7	89.8	88.9	88.4	87.9
61°	85.3	86.2	87.8	88.4	88.9	88.3	87.5	86.7	85.8	85.4	85.0
61.5°	82.5	83.3	84.8	85.4	85.8	85.3	84.5	83.7	82.9	82.4	81.9
62°	79.7	80.5	81.8	82.4	83.0	82.3	81.6	80.8	79.9	79.5	79.2
62.5°	76.8	77.8	78.9	79.6	80.1	79.5	78.7	78.2	77.1	76.7	76.4
63°	74.1	75.0	76.2	76.8	77.2	76.5	75.9	75.0	74.3	74.0	73.5
63.5°	71.4	72.3	73.4	74.2	74.3	73.9	73.0	72.3	71.7	71.3	71.0
64°	68.7	69.7	70.8	71.5	71.7	71.2	70.4	69.5	68.9	68.6	68.5
64.5°	66.2	67.0	68.2	68.8	69.0	68.5	67.7	66.9	66.2	66.0	65.7
65°	63.8	64.5	65.5	66.1	66.3	65.8	65.0	64.4	63.7	63.5	63.0
65.5°	61.2	61.9	63.1	63.6	63.8	63.3	62.5	61.8	61.1	60.8	60.7
66°	58.8	59.6	60.6	61.0	61.3	60.7	59.9	59.1	58.5	58.3	58.0



TEST NUMBER: P639505

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	51.9	52.7	53.7	54.2	53.8	53.4	52.7	52.0	51.3	51.1	51.0
68°	49.8	50.4	51.3	51.9	51.7	51.2	50.4	49.5	49.0	48.9	48.7
68.5°	47.6	48.3	49.0	49.7	49.4	48.9	48.0	47.3	46.7	46.7	46.4
69°	45.4	46.2	46.9	47.4	47.3	46.8	45.9	45.2	44.6	44.4	44.2
69.5°	43.3	44.0	44.8	45.3	45.3	44.7	43.9	43.0	42.4	42.3	42.1
70°	41.3	42.0	42.9	43.2	43.3	42.7	41.9	41.1	40.5	40.3	40.2
70.5°	39.3	40.0	40.8	41.2	41.3	40.7	40.0	39.2	38.5	38.3	38.2
71°	37.3	38.1	38.7	39.2	39.3	38.8	38.0	37.2	36.6	36.4	36.2
71.5°	35.3	36.2	36.8	37.2	37.4	36.8	36.0	35.4	34.6	34.3	34.3
72°	33.6	34.2	34.8	35.2	35.5	34.9	34.1	33.4	32.8	32.6	32.4
72.5°	31.6	32.2	33.0	33.3	33.6	33.2	32.3	31.6	31.1	30.7	30.6
73°	29.8	30.6	31.1	31.4	31.8	31.3	30.5	29.8	29.3	28.9	28.8
73.5°	28.2	28.9	29.4	29.7	30.1	29.6	28.8	28.1	27.4	27.2	27.0
74°	26.6	27.2	27.8	27.9	28.5	27.8	27.1	26.4	25.8	25.4	25.2
74.5°	25.0	25.7	26.1	26.3	26.8	26.1	25.4	24.8	24.2	23.9	23.7
75°	23.6	24.2	24.6	24.7	25.2	24.6	23.9	23.2	22.6	22.3	22.2
75.5°	22.0	22.6	23.2	23.2	23.6	23.2	22.3	21.8	21.1	20.8	20.7
76°	20.7	21.2	21.6	21.7	22.1	21.6	20.9	20.3	19.7	19.4	19.3
76.5°	19.3	19.9	20.3	20.3	20.7	20.2	19.5	18.8	18.3	18.0	17.8
77°	18.1	18.6	18.9	19.1	19.3	18.8	18.2	17.6	16.9	16.7	16.6
77.5°	16.8	17.3	17.7	17.8	18.1	17.6	16.9	16.3	15.8	15.4	15.3
78°	15.7	16.1	16.5	16.6	16.8	16.3	15.8	15.2	14.7	14.3	14.1
78.5°	14.6	15.1	15.4	15.4	15.6	15.1	14.6	14.1	13.5	13.3	13.1
79°	13.6	14.1	14.3	14.3	14.4	14.1	13.4	13.2	12.6	12.3	12.2
79.5°	12.7	13.2	13.4	13.4	13.3	13.1	12.7	12.1	11.6	11.3	11.2
80°	11.8	12.2	12.4	12.4	12.4	12.2	11.7	11.2	10.7	10.5	10.3
80.5°	10.9	11.3	11.6	11.6	11.6	11.2	10.8	10.4	9.9	9.7	9.4
81°	10.2	10.6	10.7	10.7	10.7	10.4	9.9	9.6	9.2	8.9	8.7
81.5°	9.4	9.7	9.9	9.9	9.8	9.6	9.1	8.8	8.4	8.2	8.1
82°	8.7	9.0	9.2	9.2	9.1	8.8	8.4	8.1	7.8	7.6	7.4
82.5°	8.1	8.4	8.6	8.5	8.3	8.1	7.9	7.5	7.2	7.0	6.8
83°	7.5	7.8	8.0	8.0	7.8	7.5	7.3	7.0	6.6	6.4	6.2
83.5°	6.9	7.2	7.4	7.4	7.1	6.9	6.7	6.3	6.1	5.8	5.6
84°	6.4	6.6	6.8	6.8	6.6	6.4	6.1	5.8	5.4	5.2	5.0
84.5°	5.8	6.1	6.3	6.3	6.1	5.9	5.6	5.3	4.9	4.7	4.4
85°	5.2	5.5	5.7	5.7	5.5	5.3	4.9	4.7	4.3	4.1	3.8
85.5°	4.6	4.9	5.2	5.2	4.9	4.8	4.5	4.1	3.7	3.6	3.3
86°	4.1	4.4	4.6	4.6	4.4	4.2	3.9	3.6	3.3	2.9	2.9
86.5°	3.5	3.8	4.1	4.1	3.9	3.7	3.4	3.1	2.9	2.4	2.2
87°	2.9	3.3	3.5	3.6	3.4	3.2	2.9	2.5	2.2	1.9	1.6
87.5°	2.4	2.8	3.0	3.1	2.9	2.8	2.3	2.1	1.7	1.3	1.2
88°	1.9	2.2	2.5	2.6	2.3	2.2	1.8	1.4	1.1	0.9	0.6
88.5°	1.4	1.8	1.9	2.0	1.8	1.6	1.3	1.0	0.7	0.3	0.3



TEST NUMBER: P639505
CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3000K

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: P639505

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	324.0	324.0	324.0	324.0	324.0	324.0
0.5°	323.7	323.7	324.1	324.4	323.6	323.6
1°	323.5	323.3	323.4	324.0	323.7	323.5
1.5°	323.4	323.1	323.3	323.6	324.2	323.5
2°	323.3	322.7	323.3	323.6	324.2	322.9
2.5°	322.8	322.2	323.0	323.7	323.4	322.8
3°	322.8	322.2	322.6	323.3	323.1	322.9
3.5°	322.7	321.9	322.6	323.1	322.9	322.7
4°	322.6	322.2	322.3	322.6	322.7	321.8
4.5°	322.3	322.1	322.4	322.4	322.2	321.4
5°	322.5	321.7	321.3	322.1	321.7	321.3
5.5°	322.2	320.9	321.2	321.3	320.9	320.7
6°	320.6	320.1	320.4	321.2	320.9	320.7
6.5°	319.9	319.6	320.3	320.5	319.9	320.6
7°	319.6	319.5	319.8	319.9	319.7	319.7
7.5°	319.2	318.7	318.4	319.7	319.3	319.1
8°	319.1	318.3	318.1	318.9	318.9	318.6
8.5°	317.9	317.3	317.6	318.3	318.3	318.4
9°	317.4	316.7	316.4	317.3	317.6	317.6
9.5°	316.9	315.9	316.1	316.7	317.2	316.6
10°	316.2	315.6	316.0	316.3	316.4	316.5
10.5°	315.2	314.9	314.9	315.3	315.8	315.4
11°	315.2	314.7	314.7	314.7	314.3	314.7
11.5°	314.1	313.9	313.9	313.7	313.8	314.0
12°	313.7	312.6	312.1	312.8	313.2	312.9
12.5°	312.3	311.6	311.1	312.1	312.0	312.0
13°	310.9	310.5	310.6	311.4	311.3	311.8
13.5°	310.3	309.4	310.1	310.5	310.4	310.6
14°	309.7	308.2	308.9	309.4	309.5	309.8
14.5°	308.5	307.6	307.8	308.2	307.9	308.7
15°	307.4	306.2	307.1	306.7	307.7	307.9
15.5°	306.0	304.9	305.3	305.7	306.4	306.8
16°	304.8	303.7	304.3	304.3	305.1	305.5
16.5°	304.0	302.6	303.1	304.3	303.9	304.2
17°	302.7	301.5	302.1	302.7	303.3	303.2
17.5°	301.6	300.6	301.3	300.7	301.6	301.7
18°	300.7	299.1	299.7	299.8	300.0	300.7
18.5°	298.8	298.3	297.8	298.3	299.1	298.8
19°	297.7	297.2	296.6	297.8	297.8	298.1
19.5°	296.4	295.6	295.2	296.0	296.8	297.1
20°	295.0	294.4	293.8	294.7	295.3	296.0
20.5°	293.1	292.9	292.6	293.7	294.2	294.8
21°	291.9	291.2	291.3	291.7	292.2	293.1

TEST NUMBER: P639505

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	287.8	286.0	286.3	287.5	287.5	289.0
23°	285.9	284.6	284.6	286.0	286.6	287.6
23.5°	284.6	282.8	283.3	284.2	284.8	286.2
24°	282.7	281.4	281.6	282.1	283.0	284.8
24.5°	281.1	279.3	279.9	280.8	281.6	282.6
25°	279.3	277.3	278.1	279.5	280.1	281.6
25.5°	277.3	276.0	276.2	277.5	278.2	279.3
26°	275.8	274.2	274.7	275.6	276.8	277.8
26.5°	274.1	272.2	273.1	273.8	274.7	276.7
27°	272.1	270.5	270.9	272.1	272.9	273.9
27.5°	270.2	268.6	269.0	270.4	271.3	272.1
28°	268.5	267.2	267.2	269.2	269.2	270.2
28.5°	266.6	265.1	265.3	266.8	267.2	268.2
29°	264.4	263.0	263.4	264.8	265.3	266.3
29.5°	262.2	260.6	261.4	262.4	263.4	264.6
30°	260.3	258.9	259.1	260.7	261.6	262.7
30.5°	258.3	257.0	257.2	258.8	259.4	260.3
31°	256.4	255.1	255.1	256.8	257.3	258.0
31.5°	254.5	253.1	253.0	254.4	255.3	256.2
32°	251.9	250.9	250.7	252.2	253.4	254.3
32.5°	249.6	248.6	248.6	249.8	251.3	252.3
33°	247.5	245.9	246.6	247.9	249.2	250.3
33.5°	245.3	244.1	244.5	245.8	247.0	248.1
34°	243.3	241.6	242.1	243.4	244.8	246.1
34.5°	241.1	239.5	240.0	241.5	242.6	243.7
35°	239.1	237.5	237.7	239.1	240.5	241.3
35.5°	236.6	235.5	235.5	236.7	237.8	239.3
36°	233.9	233.1	233.4	234.6	235.8	236.6
36.5°	231.8	230.6	230.7	232.1	233.1	234.6
37°	229.7	228.4	228.0	229.8	231.1	232.2
37.5°	227.2	225.6	225.7	227.1	228.7	229.7
38°	224.5	223.0	223.5	224.7	226.1	226.7
38.5°	222.0	220.3	221.2	222.3	223.4	224.4
39°	219.4	217.9	218.3	219.7	220.7	222.0
39.5°	216.4	215.6	215.8	217.4	218.1	219.1
40°	213.9	212.9	212.9	214.6	215.6	216.4
40.5°	211.3	210.3	210.7	211.9	212.6	214.0
41°	208.2	207.3	207.9	209.2	210.0	211.1
41.5°	205.8	204.0	205.2	206.5	207.3	208.2
42°	203.1	201.2	202.6	203.4	204.4	205.3
42.5°	199.8	198.6	199.3	200.4	201.9	202.4
43°	197.0	195.8	196.1	197.6	198.7	199.5
43.5°	193.8	193.0	193.0	194.6	195.8	196.5



TEST NUMBER: P639505

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	185.1	183.5	184.1	185.6	186.6	187.2
45.5°	181.9	180.5	181.1	182.6	183.2	184.1
46°	178.7	177.5	178.0	179.9	180.6	181.0
46.5°	175.4	174.5	175.3	176.4	177.1	177.6
47°	172.5	171.4	171.9	173.2	174.1	174.8
47.5°	169.3	168.2	169.0	170.3	170.7	171.2
48°	166.2	165.1	165.6	167.3	167.8	168.1
48.5°	162.8	161.9	162.7	163.6	164.4	164.9
49°	159.4	158.6	159.6	160.8	161.2	161.4
49.5°	156.3	155.7	156.4	157.6	157.8	158.3
50°	153.4	152.3	153.7	154.5	154.4	154.8
50.5°	149.9	149.3	150.2	151.3	151.6	151.8
51°	146.6	146.1	147.3	148.1	148.4	148.3
51.5°	143.4	143.2	143.7	145.0	145.1	145.1
52°	140.4	139.9	140.6	141.8	141.5	141.4
52.5°	137.1	136.8	137.7	138.5	138.4	138.3
53°	134.1	133.5	134.8	135.5	135.3	135.1
53.5°	130.9	130.4	131.4	132.1	132.1	131.8
54°	127.7	127.4	128.1	129.3	128.6	128.5
54.5°	124.6	124.0	124.7	126.0	125.6	125.5
55°	121.5	121.1	121.9	122.7	122.3	122.0
55.5°	118.3	117.9	118.8	119.3	119.2	118.8
56°	115.3	114.8	115.4	116.4	116.0	115.7
56.5°	112.2	111.5	112.3	113.4	113.1	112.6
57°	109.2	108.6	109.5	110.3	109.9	109.4
57.5°	106.0	105.3	106.5	107.0	106.6	106.2
58°	102.8	102.4	103.3	103.9	103.6	103.0
58.5°	99.9	99.4	100.3	101.0	100.4	100.1
59°	96.9	96.6	97.2	98.0	97.4	97.0
59.5°	93.9	93.5	94.4	95.0	94.5	94.1
60°	91.0	90.6	91.3	92.2	91.5	91.2
60.5°	88.2	87.7	88.4	89.2	88.7	88.2
61°	85.4	84.9	85.7	86.2	85.8	85.3
61.5°	82.3	82.2	82.9	83.4	82.9	82.5
62°	79.4	79.2	80.1	80.4	79.9	79.7
62.5°	76.8	76.5	77.3	77.7	77.1	76.8
63°	73.9	73.9	74.5	75.0	74.5	74.1
63.5°	71.2	71.3	72.0	72.3	71.8	71.4
64°	68.5	68.7	69.2	69.7	69.1	68.7
64.5°	65.8	66.0	66.7	67.0	66.5	66.2
65°	63.4	63.5	64.0	64.4	63.9	63.8
65.5°	60.9	61.0	61.8	61.8	61.4	61.2
66°	58.3	58.4	59.1	59.5	59.0	58.8



TEST NUMBER: P639505

CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	51.3	51.4	52.0	52.2	52.0	51.9
68°	49.0	49.2	49.8	49.9	49.8	49.8
68.5°	46.7	47.0	47.4	47.7	47.6	47.6
69°	44.4	44.7	45.2	45.5	45.4	45.4
69.5°	42.3	42.5	43.0	43.3	43.2	43.3
70°	40.4	40.3	40.9	41.3	41.2	41.3
70.5°	38.5	38.2	38.9	39.2	39.2	39.3
71°	36.4	36.2	36.7	37.2	37.3	37.3
71.5°	34.5	34.2	34.7	35.1	35.2	35.3
72°	32.6	32.3	32.8	33.2	33.3	33.6
72.5°	30.8	30.3	30.8	31.2	31.4	31.6
73°	28.9	28.4	28.8	29.3	29.6	29.8
73.5°	27.2	26.6	27.0	27.5	27.9	28.2
74°	25.5	24.9	25.3	25.9	26.2	26.6
74.5°	23.8	23.3	23.7	24.2	24.6	25.0
75°	22.3	21.8	22.2	22.7	23.1	23.6
75.5°	20.8	20.3	20.7	21.2	21.6	22.0
76°	19.3	18.8	19.2	19.7	20.2	20.7
76.5°	17.9	17.6	17.8	18.4	18.8	19.3
77°	16.6	16.3	16.6	17.1	17.6	18.1
77.5°	15.3	15.1	15.4	15.8	16.3	16.8
78°	14.1	13.9	14.2	14.7	15.2	15.7
78.5°	13.1	12.9	13.2	13.7	14.1	14.6
79°	12.1	12.0	12.3	12.7	13.2	13.6
79.5°	11.1	11.1	11.3	11.8	12.3	12.7
80°	10.2	10.2	10.5	10.9	11.3	11.8
80.5°	9.4	9.4	9.7	10.1	10.6	10.9
81°	8.6	8.8	9.0	9.3	9.8	10.2
81.5°	8.0	8.2	8.4	8.7	9.0	9.4
82°	7.3	7.6	7.8	8.1	8.4	8.7
82.5°	6.7	6.9	7.1	7.4	7.8	8.1
83°	6.2	6.3	6.5	6.8	7.2	7.5
83.5°	5.5	5.7	5.9	6.3	6.6	6.9
84°	4.9	5.2	5.3	5.7	6.0	6.4
84.5°	4.3	4.6	4.7	5.1	5.4	5.8
85°	3.7	3.9	4.2	4.5	4.8	5.2
85.5°	3.2	3.4	3.6	3.9	4.3	4.6
86°	2.7	2.9	3.1	3.3	3.7	4.1
86.5°	2.2	2.3	2.6	2.8	3.2	3.5
87°	1.6	1.8	2.0	2.3	2.7	2.9
87.5°	1.1	1.2	1.5	1.8	2.1	2.4
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	1.4



TEST NUMBER: P639505
CATALOG NUMBER: RL6069FSD2W1EWHDM -600LM -3000K

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°	292.1	293.6	294.5	295.6	295.8	296.2	296.0	294.4	293.3	292.8	291.5
22°	290.2	291.9	292.7	294.3	294.2	295.1	294.3	293.5	292.0	291.6	289.8



44°	193.2	195.9	197.9	199.2	199.8	199.9	198.7	197.4	195.4	194.2	192.2
44.5°	190.5	192.8	194.2	195.9	196.5	196.3	195.9	194.4	192.5	190.7	188.8



66.5°	56.4	57.2	58.1	58.7	58.6	58.1	57.4	56.7	56.0	55.8	55.7
67°	54.3	54.8	55.8	56.3	56.3	55.7	54.9	54.2	53.6	53.5	53.2



89°	0.9	1.2	1.4	1.6	1.3	1.2	0.9	0.4	0.2	0.0	0.0
89.5°	0.4	0.7	1.0	1.0	0.9	0.7	0.3	0.0	0.0	0.0	0.0

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21.5°	290.7	289.4	289.6	290.2	291.0	292.1
22°	288.7	287.4	288.3	289.0	289.2	290.2



44°	190.9	189.7	190.1	191.9	192.9	193.2
44.5°	188.2	186.5	187.1	189.1	189.7	190.5

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66.5°	55.9	56.0	56.7	56.9	56.6	56.4
67°	53.6	53.8	54.3	54.6	54.3	54.3

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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	0.4

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(END OF REPORT)