

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: P639517

Luminaire Tested: RL6LS9FSD2W1EWHDM -900LM -4000K

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-2019
Report Number: P639517
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: RL6LS9FSD2W1EWHDM -900LM -4000K
Description: 6IN DIRECT MOUNT, SELECTABLE LUMEN AND CCT, MATTE WHITE BAFFLE
Light Source: (1) SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

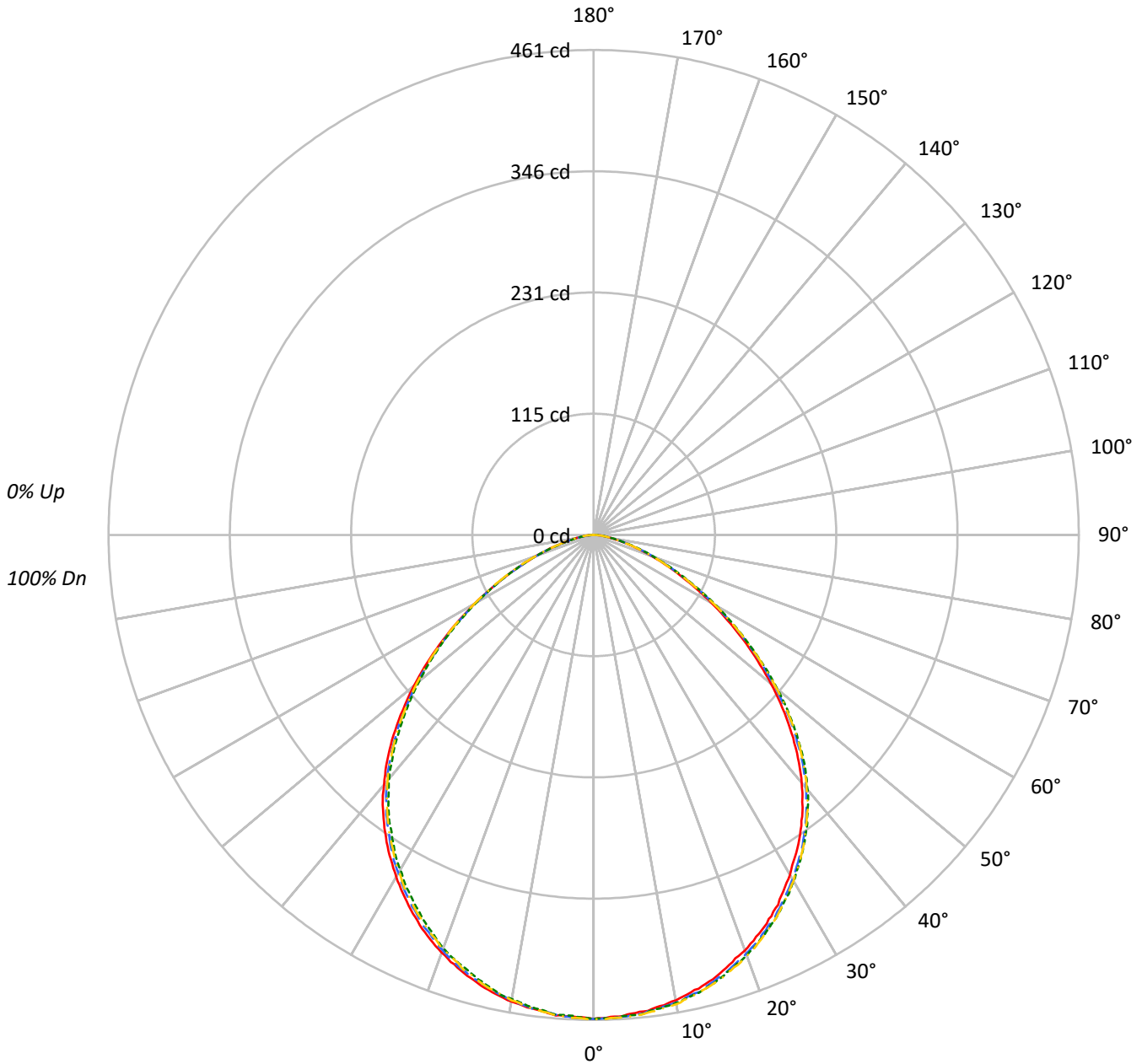
Lumens per Lamp: N/A
Luminaire Lumens: 1065.0 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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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CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -4000K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	25223	25223	25223	25223
5°	25110	25209	25171	25138
10°	25016	25144	25072	24944
15°	24819	25046	24887	24677
20°	24520	24823	24648	24385
25°	24189	24491	24255	23820
30°	23611	24080	23750	23269
35°	22935	23457	23102	22566
40°	21991	22621	22170	21633
45°	20607	21289	20839	20196
50°	18746	19428	18993	18447
55°	16563	17146	16764	16439
60°	14187	14758	14297	14100
65°	11739	12206	11726	11700
70°	9393	9841	9216	9168
75°	7074	7562	6799	6545
80°	5272	5588	4799	4578
85°	4655	4906	3900	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°
 Vertical Angle: 45°
 Luminance: 21320 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	4.1
10°-20°	123.6	11.6
20°-30°	184.3	17.3
30°-40°	215.0	20.2
40°-50°	206.0	19.3
50°-60°	157.0	14.7
60°-70°	91.5	8.6
70°-80°	36.4	3.4
80°-90°	7.7	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°	351.3	33.0
0°-40°	566.4	53.2
0°-60°	929.4	87.3
0°-90°	1065.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1065.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	460	460	460	460	460	
5°	456	458	457	457	456	43
15°	437	441	438	435	437	123
25°	400	405	401	394	400	184
35°	343	350	345	337	343	214
45°	266	275	269	260	266	204
55°	173	179	175	172	173	155
65°	90	94	90	90	90	91
75°	33	36	32	31	33	37
85°	7	8	6	6	7	8
90°	0	1	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°	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1	460.1
0.5°	459.5	460.1	460.1	460.2	459.8	460.1	460.4	459.7	459.5	460.0	460.0
1°	459.4	459.9	459.7	459.8	459.8	460.0	460.8	460.3	459.1	459.9	459.6
1.5°	459.4	459.8	459.5	460.1	459.7	459.8	460.4	460.6	458.6	459.7	459.4
2°	458.5	459.6	459.2	460.1	459.6	459.1	459.5	460.4	458.6	459.8	459.7
2.5°	458.4	460.1	459.4	459.8	459.5	459.5	459.5	459.5	458.4	459.5	459.4
3°	458.5	459.6	459.3	460.2	459.0	459.7	459.5	459.5	458.3	459.1	458.5
3.5°	458.2	459.1	458.7	460.2	458.3	459.7	459.5	459.7	458.3	459.3	458.7
4°	456.9	458.6	458.7	459.7	458.3	459.8	459.3	458.4	457.8	459.8	457.5
4.5°	456.5	458.1	458.1	458.6	458.1	459.6	459.1	458.0	458.2	459.1	457.5
5°	456.3	458.3	457.6	458.5	458.1	459.0	458.7	458.0	457.4	457.6	456.5
5.5°	455.4	458.2	457.6	458.1	458.2	457.7	458.5	457.8	456.7	457.4	455.7
6°	455.4	457.3	457.2	457.5	457.7	457.5	457.8	457.1	455.6	457.2	455.6
6.5°	455.3	455.9	455.8	457.2	456.3	456.7	457.0	456.2	454.9	455.7	455.3
7°	454.0	455.6	455.6	456.5	455.1	456.3	456.5	455.7	454.4	455.6	454.6
7.5°	453.1	454.5	454.8	456.1	454.5	455.0	456.5	455.4	453.7	454.8	453.9
8°	452.4	453.8	454.0	455.0	454.5	454.3	455.3	454.5	453.6	453.5	452.6
8.5°	452.1	453.1	453.1	454.8	453.5	454.3	454.6	454.2	452.7	452.9	451.8
9°	450.9	452.9	452.7	453.4	453.3	453.5	453.9	453.3	451.6	452.1	451.1
9.5°	449.6	452.0	452.0	453.1	452.6	452.5	453.7	452.7	450.9	452.0	450.3
10°	449.4	450.8	451.3	452.2	451.7	451.8	453.0	451.5	450.4	450.6	449.8
10.5°	447.9	450.4	450.1	450.9	451.6	451.5	452.0	450.5	449.7	450.2	448.2
11°	446.9	449.0	449.4	450.7	449.8	449.7	450.3	449.7	448.5	448.1	446.8
11.5°	445.9	447.7	447.9	449.0	448.9	448.7	449.7	448.2	447.5	447.8	446.0
12°	444.4	446.9	446.9	447.9	448.0	448.7	449.0	447.3	446.4	446.4	444.9
12.5°	443.0	445.7	446.1	447.1	446.9	448.0	447.3	446.5	445.3	445.6	443.6
13°	442.7	444.5	446.0	445.6	446.4	446.7	446.4	444.9	443.8	444.9	442.5
13.5°	441.0	442.6	444.1	444.9	444.9	445.5	445.0	444.4	443.0	443.1	440.7
14°	439.9	441.5	442.4	443.3	443.8	444.2	444.0	443.0	441.8	441.1	439.5
14.5°	438.4	441.1	441.0	442.5	442.1	443.6	442.8	441.8	440.0	440.1	437.8
15°	437.3	439.6	439.7	441.4	441.3	441.5	441.4	440.1	438.5	438.4	437.0
15.5°	435.7	437.1	437.8	440.1	439.4	440.0	440.4	438.6	437.1	437.1	435.6
16°	433.8	435.7	436.4	438.2	438.3	438.7	439.0	437.7	436.0	435.1	434.1
16.5°	432.0	434.7	435.1	436.4	436.7	436.7	437.4	436.1	434.3	433.9	432.1
17°	430.5	432.4	434.1	435.3	434.4	435.8	435.2	434.1	432.7	432.2	431.1
17.5°	428.5	431.8	432.0	433.0	433.7	434.1	434.1	432.7	431.1	430.3	429.6
18°	427.0	429.8	430.3	431.1	431.9	432.0	432.2	432.2	429.0	429.2	427.4
18.5°	424.3	427.1	428.6	430.9	429.9	431.0	431.1	429.7	428.1	427.7	425.5
19°	423.2	425.8	426.8	428.7	428.7	429.4	429.5	427.8	425.9	425.3	424.0
19.5°	421.8	424.1	425.5	426.1	427.0	427.3	427.3	426.2	424.0	423.3	422.1
20°	420.3	423.2	423.6	424.7	425.5	425.5	425.5	424.0	422.5	422.3	419.9
20.5°	418.6	420.9	421.9	423.0	423.1	423.6	424.3	422.1	420.5	419.6	418.5
21°	416.1	419.4	419.9	421.0	421.7	421.8	422.8	420.6	418.8	418.0	415.8



TEST NUMBER: P639517

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	410.3	413.2	413.9	416.1	415.3	416.3	416.2	414.4	412.5	411.7	409.1
23°	408.4	410.9	411.5	413.2	414.0	414.7	413.8	412.4	410.2	409.0	407.4
23.5°	406.4	408.8	410.0	411.3	411.3	412.5	411.7	410.4	408.5	406.8	405.7
24°	404.4	406.4	407.3	408.6	409.4	410.4	409.6	408.3	406.1	405.0	403.1
24.5°	401.2	403.9	405.5	406.7	407.0	408.1	407.6	405.8	403.2	403.2	400.4
25°	399.9	401.7	403.9	404.5	404.9	405.4	405.2	403.6	401.0	400.4	397.8
25.5°	396.7	399.5	401.2	402.5	403.0	402.8	402.9	401.0	398.9	397.3	395.2
26°	394.5	397.0	398.4	400.0	400.7	400.6	400.5	398.3	396.4	395.2	393.3
26.5°	393.0	394.4	396.2	397.3	398.2	398.8	397.8	395.9	393.9	393.0	390.4
27°	388.9	392.4	393.4	395.2	395.4	396.1	395.2	394.1	391.1	390.2	387.8
27.5°	386.3	390.1	390.8	392.5	392.6	393.2	393.1	391.2	388.7	387.8	385.4
28°	383.7	386.9	388.1	390.0	390.1	390.5	389.9	388.5	386.0	385.3	382.8
28.5°	380.9	384.0	386.0	387.2	388.5	387.7	387.5	385.7	383.5	382.5	379.9
29°	378.2	381.3	383.3	384.3	385.6	385.2	384.8	383.2	380.5	379.7	377.2
29.5°	375.8	378.8	380.4	382.0	382.4	382.4	382.1	380.4	378.2	376.4	374.4
30°	373.0	376.6	377.7	379.3	380.4	379.8	379.7	377.6	375.2	373.5	371.0
30.5°	369.7	373.7	375.1	376.5	377.4	377.1	376.4	374.7	372.3	371.1	368.8
31°	366.4	370.2	372.2	373.7	373.9	374.3	373.7	372.0	369.5	368.3	365.8
31.5°	363.8	368.0	369.3	370.9	371.3	371.3	371.2	369.1	366.5	365.7	363.2
32°	361.1	365.0	366.6	367.8	368.5	369.2	368.5	366.2	363.7	363.1	360.0
32.5°	358.3	361.9	363.7	365.0	365.8	365.7	365.7	363.3	361.2	359.3	356.8
33°	355.4	358.7	360.9	362.0	362.8	362.8	362.4	360.1	358.1	356.3	353.9
33.5°	352.3	356.0	358.0	359.1	360.0	359.8	359.7	357.1	354.9	353.1	350.4
34°	349.4	352.9	355.1	356.4	356.6	356.5	356.5	354.3	352.0	350.1	347.1
34.5°	346.1	349.2	351.9	353.4	353.8	353.5	353.4	351.6	348.6	346.7	343.6
35°	342.7	346.6	348.5	350.6	350.5	350.8	349.7	348.3	345.2	343.6	340.6
35.5°	339.8	343.3	345.3	346.8	347.4	347.8	346.6	345.9	342.3	340.7	337.7
36°	335.9	339.9	342.2	343.4	344.5	344.9	343.0	341.8	339.0	337.4	334.1
36.5°	333.1	336.8	338.8	340.4	341.2	341.5	339.9	337.9	335.5	334.0	331.2
37°	329.7	332.9	335.7	337.3	336.8	337.9	336.6	335.1	332.1	330.6	327.6
37.5°	326.2	329.9	332.0	333.0	333.8	333.6	332.9	331.4	328.8	326.8	324.0
38°	322.0	326.0	328.5	329.6	330.3	330.6	330.8	327.6	325.7	323.2	320.2
38.5°	318.7	322.7	324.3	325.8	327.3	326.6	326.9	323.9	322.0	319.4	316.8
39°	315.2	318.8	321.2	322.3	323.7	324.0	322.6	320.8	318.5	316.5	313.0
39.5°	311.2	315.3	317.6	319.1	320.3	320.4	318.7	317.2	313.8	312.1	309.1
40°	307.3	312.3	314.0	315.5	316.1	316.1	314.7	313.4	309.8	308.9	305.6
40.5°	303.9	307.7	310.3	311.5	311.8	312.2	311.4	308.6	306.2	305.6	301.8
41°	299.7	303.4	306.0	307.8	308.6	308.7	307.5	305.6	302.0	300.9	298.0
41.5°	295.7	299.3	301.9	303.8	304.6	304.8	303.4	302.2	298.7	296.4	293.5
42°	291.5	295.5	298.2	299.6	300.7	299.8	299.3	297.2	294.4	292.6	289.6
42.5°	287.3	291.1	293.9	294.9	297.2	296.4	295.0	293.1	290.1	288.8	285.3
43°	283.3	286.9	289.3	290.9	292.6	291.9	291.1	288.8	286.0	284.3	281.3
43.5°	279.0	282.6	285.1	287.0	288.2	287.9	286.3	284.3	281.9	280.1	277.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	265.8	269.4	272.3	273.2	274.6	275.0	273.3	271.5	268.8	266.8	264.2
45.5°	261.4	265.0	267.2	269.0	270.5	270.4	269.4	267.0	264.2	262.3	260.0
46°	257.0	260.3	263.1	264.8	265.6	265.6	264.5	262.3	259.7	258.0	255.5
46.5°	252.2	255.6	258.6	260.2	261.6	260.9	259.9	257.8	255.1	253.3	250.7
47°	248.2	251.0	253.6	254.8	256.3	256.6	254.8	253.0	250.8	248.8	246.3
47.5°	243.1	246.6	249.1	250.0	251.8	251.7	250.4	248.7	245.5	244.5	241.4
48°	238.7	241.8	244.5	245.2	247.4	246.8	245.8	244.2	241.4	239.9	237.0
48.5°	234.2	237.1	239.5	240.9	242.2	242.1	241.4	239.1	236.8	235.4	232.3
49°	229.2	232.2	234.7	236.1	237.5	237.1	236.0	234.4	232.3	230.6	228.0
49.5°	224.8	227.5	230.2	231.7	232.8	232.7	231.5	229.8	227.6	225.8	223.2
50°	219.8	222.6	225.2	226.2	227.8	228.2	226.5	224.8	222.7	221.1	218.8
50.5°	215.5	218.4	220.3	221.9	222.8	223.1	221.6	219.9	217.9	216.4	214.1
51°	210.6	213.8	215.4	217.1	218.4	217.5	217.1	215.4	213.3	212.3	209.9
51.5°	206.0	208.9	211.0	212.1	213.9	213.2	212.4	210.7	208.7	206.8	204.9
52°	200.8	203.9	206.0	207.7	209.1	208.4	207.3	206.0	204.2	202.6	200.2
52.5°	196.4	198.8	201.1	202.6	203.7	203.5	202.7	201.4	199.2	198.0	195.7
53°	191.8	194.2	196.3	197.8	198.6	199.3	197.7	196.2	194.3	192.9	191.3
53.5°	187.1	189.5	191.8	193.2	194.0	194.0	193.0	191.6	189.6	188.5	186.8
54°	182.5	184.7	187.4	188.3	189.1	189.0	188.0	187.1	185.1	183.7	182.0
54.5°	178.3	180.3	182.4	183.8	184.3	184.4	183.5	182.4	180.4	179.1	177.5
55°	173.3	175.5	177.6	179.0	179.4	179.5	178.7	177.5	175.4	174.3	172.7
55.5°	168.7	170.8	173.0	174.3	174.9	174.9	173.8	172.7	170.8	169.6	168.5
56°	164.3	166.3	168.5	169.7	170.3	170.1	169.0	168.2	166.2	165.1	164.0
56.5°	159.9	161.9	163.9	165.2	165.8	165.5	164.4	163.4	161.9	160.9	159.5
57°	155.4	157.2	159.5	160.4	161.2	160.7	160.2	158.7	157.1	156.1	155.2
57.5°	150.8	152.9	155.2	155.9	156.4	156.3	155.3	154.0	152.5	151.6	150.6
58°	146.3	148.5	150.7	151.6	152.1	151.8	150.8	149.6	148.1	147.3	146.1
58.5°	142.1	143.7	145.9	147.0	148.0	147.5	146.2	144.9	143.4	142.8	141.7
59°	137.8	139.5	141.7	142.3	143.4	143.0	141.7	140.7	139.1	138.2	137.4
59.5°	133.6	135.0	137.1	138.2	138.5	138.1	137.6	136.1	134.6	134.0	133.3
60°	129.4	130.7	132.9	134.1	134.6	133.8	133.0	131.9	130.4	129.8	129.1
60.5°	125.3	126.6	128.7	129.6	130.4	129.8	128.7	127.5	126.2	125.6	124.9
61°	121.1	122.4	124.6	125.6	126.2	125.4	124.2	123.0	121.8	121.2	120.7
61.5°	117.2	118.3	120.4	121.3	121.9	121.2	120.0	118.9	117.7	117.0	116.3
62°	113.1	114.3	116.2	117.1	117.9	116.9	115.9	114.7	113.5	113.0	112.5
62.5°	109.0	110.4	112.1	113.0	113.7	112.9	111.8	111.0	109.5	108.8	108.5
63°	105.2	106.5	108.1	109.0	109.6	108.6	107.8	106.5	105.5	105.1	104.4
63.5°	101.4	102.7	104.3	105.3	105.5	104.9	103.7	102.6	101.7	101.3	100.9
64°	97.6	98.9	100.6	101.5	101.7	101.1	100.0	98.7	97.8	97.4	97.3
64.5°	94.0	95.2	96.9	97.6	98.0	97.3	96.1	95.0	93.9	93.7	93.2
65°	90.5	91.7	93.1	93.9	94.1	93.5	92.3	91.4	90.4	90.2	89.5
65.5°	86.9	87.9	89.6	90.3	90.5	89.8	88.8	87.7	86.8	86.3	86.2
66°	83.5	84.6	86.1	86.7	87.0	86.1	85.0	83.9	83.1	82.8	82.4



TEST NUMBER: P639517

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	73.7	74.8	76.2	76.9	76.4	75.9	74.9	73.8	72.9	72.6	72.4
68°	70.7	71.6	72.9	73.7	73.4	72.6	71.6	70.4	69.6	69.4	69.2
68.5°	67.6	68.6	69.6	70.5	70.1	69.4	68.2	67.1	66.3	66.3	65.9
69°	64.4	65.5	66.7	67.4	67.1	66.4	65.2	64.2	63.3	63.0	62.7
69.5°	61.4	62.5	63.7	64.3	64.4	63.4	62.3	61.1	60.3	60.0	59.8
70°	58.6	59.6	60.9	61.3	61.4	60.7	59.5	58.4	57.5	57.2	57.0
70.5°	55.8	56.8	57.9	58.4	58.6	57.8	56.8	55.6	54.7	54.4	54.2
71°	53.0	54.1	55.0	55.7	55.8	55.1	54.0	52.8	52.0	51.7	51.4
71.5°	50.2	51.3	52.2	52.8	53.1	52.2	51.1	50.2	49.1	48.7	48.7
72°	47.6	48.5	49.5	50.0	50.5	49.6	48.4	47.5	46.5	46.2	46.1
72.5°	44.9	45.7	46.9	47.2	47.7	47.1	45.9	44.8	44.1	43.6	43.4
73°	42.4	43.4	44.2	44.6	45.2	44.4	43.3	42.3	41.6	41.1	40.9
73.5°	40.0	41.0	41.7	42.1	42.8	42.0	40.9	39.8	39.0	38.6	38.3
74°	37.8	38.6	39.4	39.7	40.5	39.5	38.4	37.5	36.6	36.1	35.8
74.5°	35.5	36.4	37.1	37.4	38.0	37.1	36.1	35.2	34.3	33.9	33.7
75°	33.4	34.3	34.9	35.1	35.7	34.9	33.9	33.0	32.1	31.6	31.6
75.5°	31.2	32.1	32.9	33.0	33.5	32.9	31.7	30.9	30.0	29.6	29.4
76°	29.3	30.1	30.7	30.8	31.4	30.7	29.7	28.9	28.0	27.6	27.4
76.5°	27.4	28.2	28.8	28.9	29.4	28.7	27.7	26.7	26.0	25.6	25.3
77°	25.6	26.4	26.9	27.1	27.4	26.7	25.8	24.9	24.1	23.7	23.5
77.5°	23.9	24.6	25.2	25.2	25.6	24.9	24.0	23.2	22.4	21.9	21.8
78°	22.2	22.9	23.4	23.5	23.8	23.2	22.4	21.5	20.8	20.3	20.0
78.5°	20.7	21.5	21.9	21.9	22.2	21.5	20.7	20.0	19.2	18.9	18.6
79°	19.3	20.0	20.3	20.3	20.5	20.0	19.1	18.7	17.9	17.4	17.3
79.5°	18.1	18.7	19.1	19.1	18.9	18.6	18.0	17.2	16.5	16.1	15.9
80°	16.7	17.4	17.7	17.7	17.7	17.3	16.6	15.9	15.2	14.9	14.6
80.5°	15.5	16.1	16.5	16.4	16.4	15.9	15.3	14.7	14.1	13.7	13.4
81°	14.4	15.0	15.2	15.2	15.1	14.7	14.1	13.6	13.0	12.6	12.3
81.5°	13.3	13.8	14.1	14.1	13.9	13.6	12.9	12.5	12.0	11.7	11.4
82°	12.4	12.8	13.1	13.0	12.9	12.5	12.0	11.5	11.1	10.8	10.6
82.5°	11.5	11.9	12.1	12.1	11.8	11.5	11.2	10.6	10.3	9.9	9.6
83°	10.6	11.0	11.4	11.4	11.0	10.6	10.3	9.9	9.4	9.1	8.8
83.5°	9.8	10.2	10.5	10.5	10.1	9.9	9.5	9.0	8.6	8.2	7.9
84°	9.1	9.4	9.7	9.7	9.4	9.1	8.7	8.2	7.7	7.4	7.1
84.5°	8.2	8.6	8.9	8.9	8.6	8.4	7.9	7.5	6.9	6.6	6.3
85°	7.4	7.8	8.1	8.1	7.8	7.6	7.0	6.7	6.2	5.8	5.4
85.5°	6.5	7.0	7.3	7.3	7.0	6.8	6.4	5.8	5.3	5.0	4.7
86°	5.8	6.2	6.5	6.5	6.2	6.0	5.6	5.0	4.7	4.2	4.1
86.5°	5.0	5.4	5.8	5.8	5.5	5.2	4.9	4.3	4.1	3.5	3.1
87°	4.2	4.7	5.0	5.0	4.9	4.6	4.1	3.5	3.1	2.7	2.3
87.5°	3.5	4.0	4.3	4.3	4.1	4.0	3.3	2.9	2.4	1.9	1.7
88°	2.7	3.2	3.5	3.6	3.3	3.1	2.6	2.1	1.6	1.3	0.9
88.5°	2.1	2.5	2.8	2.8	2.6	2.3	1.9	1.4	0.9	0.5	0.4



TEST NUMBER: P639517

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.2	0.5	0.8	0.8	0.6	0.5	0.1	0.0	0.0	0.0	0.0



TEST NUMBER: P639517

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	460.1	460.1	460.1	460.1	460.1	460.1
0.5°	459.7	459.6	460.2	460.6	459.5	459.5
1°	459.4	459.1	459.3	460.1	459.7	459.4
1.5°	459.2	458.7	459.1	459.5	460.3	459.4
2°	459.1	458.3	459.1	459.5	460.3	458.5
2.5°	458.3	457.5	458.7	459.6	459.3	458.4
3°	458.3	457.5	458.1	459.1	458.7	458.5
3.5°	458.3	457.2	458.1	458.7	458.5	458.2
4°	458.0	457.5	457.6	458.1	458.3	456.9
4.5°	457.7	457.4	457.8	457.9	457.6	456.5
5°	458.0	456.8	456.2	457.3	456.8	456.3
5.5°	457.5	455.7	456.1	456.2	455.7	455.4
6°	455.3	454.6	455.0	456.1	455.7	455.4
6.5°	454.3	453.9	454.9	455.1	454.2	455.3
7°	453.8	453.7	454.2	454.3	454.0	454.0
7.5°	453.2	452.5	452.2	453.9	453.5	453.1
8°	453.1	452.0	451.6	452.8	452.8	452.4
8.5°	451.5	450.6	450.9	452.0	452.0	452.1
9°	450.8	449.8	449.4	450.5	451.0	450.9
9.5°	450.0	448.6	448.9	449.8	450.4	449.6
10°	449.0	448.1	448.7	449.2	449.3	449.4
10.5°	447.6	447.1	447.2	447.8	448.5	447.9
11°	447.5	446.9	446.8	446.8	446.4	446.9
11.5°	446.0	445.8	445.8	445.4	445.6	445.9
12°	445.4	443.9	443.1	444.2	444.7	444.4
12.5°	443.4	442.5	441.8	443.1	443.0	443.0
13°	441.5	440.9	441.1	442.2	442.0	442.7
13.5°	440.6	439.4	440.3	440.9	440.8	441.0
14°	439.8	437.7	438.7	439.3	439.5	439.9
14.5°	438.1	436.7	437.1	437.6	437.3	438.4
15°	436.5	434.8	436.0	435.6	436.9	437.3
15.5°	434.5	433.0	433.6	434.1	435.1	435.7
16°	432.9	431.3	432.1	432.1	433.2	433.8
16.5°	431.6	429.6	430.4	432.1	431.5	432.0
17°	429.9	428.1	428.9	429.9	430.7	430.5
17.5°	428.2	426.8	427.8	427.0	428.3	428.5
18°	427.0	424.7	425.6	425.7	426.0	427.0
18.5°	424.3	423.6	422.9	423.6	424.7	424.3
19°	422.8	422.0	421.1	422.9	422.9	423.2
19.5°	420.9	419.8	419.2	420.3	421.4	421.8
20°	418.9	418.0	417.3	418.5	419.4	420.3
20.5°	416.2	415.9	415.4	417.1	417.7	418.6
21°	414.5	413.5	413.6	414.3	415.0	416.1

TEST NUMBER: P639517

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	408.7	406.1	406.5	408.2	408.3	410.3
23°	406.0	404.1	404.1	406.1	406.9	408.4
23.5°	404.2	401.6	402.3	403.5	404.5	406.4
24°	401.5	399.6	399.9	400.6	401.9	404.4
24.5°	399.2	396.7	397.5	398.8	399.8	401.2
25°	396.6	393.8	394.9	396.8	397.8	399.9
25.5°	393.8	391.9	392.2	394.1	395.1	396.7
26°	391.7	389.3	390.0	391.4	393.1	394.5
26.5°	389.2	386.5	387.8	388.8	390.0	393.0
27°	386.4	384.1	384.7	386.3	387.5	388.9
27.5°	383.7	381.4	381.9	384.0	385.2	386.3
28°	381.2	379.5	379.5	382.2	382.3	383.7
28.5°	378.6	376.4	376.8	378.8	379.5	380.9
29°	375.4	373.5	374.0	376.0	376.8	378.2
29.5°	372.4	370.0	371.2	372.6	374.0	375.8
30°	369.7	367.6	368.0	370.2	371.4	373.0
30.5°	366.9	364.9	365.3	367.5	368.4	369.7
31°	364.1	362.3	362.3	364.7	365.4	366.4
31.5°	361.4	359.4	359.3	361.3	362.6	363.8
32°	357.7	356.3	356.0	358.2	359.8	361.1
32.5°	354.5	353.0	353.0	354.8	356.8	358.3
33°	351.4	349.2	350.1	352.0	353.9	355.4
33.5°	348.4	346.7	347.2	349.0	350.7	352.3
34°	345.5	343.0	343.8	345.6	347.7	349.4
34.5°	342.4	340.0	340.7	342.9	344.5	346.1
35°	339.5	337.2	337.6	339.6	341.5	342.7
35.5°	336.0	334.4	334.4	336.1	337.7	339.8
36°	332.1	331.0	331.4	333.2	334.8	335.9
36.5°	329.1	327.5	327.6	329.5	331.0	333.1
37°	326.2	324.3	323.8	326.3	328.1	329.7
37.5°	322.7	320.4	320.6	322.4	324.7	326.2
38°	318.7	316.6	317.4	319.1	321.1	322.0
38.5°	315.2	312.8	314.1	315.7	317.2	318.7
39°	311.6	309.4	310.0	312.0	313.5	315.2
39.5°	307.3	306.2	306.4	308.6	309.7	311.2
40°	303.8	302.3	302.3	304.8	306.1	307.3
40.5°	300.0	298.6	299.2	300.9	301.9	303.9
41°	295.7	294.4	295.2	297.1	298.2	299.7
41.5°	292.2	289.6	291.4	293.3	294.4	295.7
42°	288.4	285.8	287.7	288.8	290.3	291.5
42.5°	283.7	282.1	283.0	284.6	286.6	287.3
43°	279.7	278.0	278.4	280.6	282.2	283.3
43.5°	275.2	274.0	274.0	276.4	278.0	279.0



TEST NUMBER: P639517

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	262.8	260.5	261.5	263.5	265.0	265.8
45.5°	258.3	256.3	257.1	259.3	260.2	261.4
46°	253.8	252.0	252.8	255.5	256.5	257.0
46.5°	249.1	247.7	248.9	250.5	251.5	252.2
47°	244.9	243.3	244.0	246.0	247.3	248.2
47.5°	240.3	238.8	240.0	241.8	242.4	243.1
48°	236.0	234.5	235.1	237.6	238.2	238.7
48.5°	231.2	229.9	231.0	232.4	233.4	234.2
49°	226.3	225.3	226.7	228.3	228.9	229.2
49.5°	221.9	221.1	222.1	223.8	224.0	224.8
50°	217.9	216.3	218.2	219.4	219.3	219.8
50.5°	212.8	211.9	213.3	214.9	215.3	215.5
51°	208.2	207.5	209.1	210.3	210.8	210.6
51.5°	203.7	203.3	204.1	205.9	206.0	206.0
52°	199.3	198.6	199.7	201.3	201.0	200.8
52.5°	194.7	194.3	195.5	196.6	196.5	196.4
53°	190.4	189.6	191.4	192.5	192.1	191.8
53.5°	185.8	185.1	186.5	187.6	187.6	187.1
54°	181.3	180.9	181.9	183.5	182.7	182.5
54.5°	176.9	176.1	177.1	179.0	178.4	178.3
55°	172.5	172.0	173.1	174.2	173.7	173.3
55.5°	168.0	167.4	168.6	169.4	169.3	168.7
56°	163.7	163.0	163.9	165.2	164.7	164.3
56.5°	159.3	158.4	159.5	161.1	160.6	159.9
57°	155.1	154.3	155.5	156.6	156.1	155.4
57.5°	150.5	149.5	151.2	151.9	151.4	150.8
58°	146.0	145.4	146.7	147.6	147.1	146.3
58.5°	141.9	141.2	142.4	143.4	142.6	142.1
59°	137.6	137.2	138.0	139.2	138.3	137.8
59.5°	133.3	132.7	134.1	134.9	134.2	133.6
60°	129.2	128.6	129.7	130.9	129.9	129.4
60.5°	125.3	124.5	125.6	126.6	125.9	125.3
61°	121.2	120.6	121.6	122.4	121.9	121.1
61.5°	116.8	116.7	117.7	118.4	117.8	117.2
62°	112.8	112.5	113.7	114.1	113.4	113.1
62.5°	109.0	108.7	109.7	110.3	109.5	109.0
63°	105.0	105.0	105.8	106.6	105.8	105.2
63.5°	101.1	101.3	102.3	102.6	101.9	101.4
64°	97.3	97.6	98.2	98.9	98.1	97.6
64.5°	93.5	93.7	94.7	95.1	94.4	94.0
65°	90.1	90.2	90.9	91.4	90.7	90.5
65.5°	86.5	86.6	87.7	87.7	87.2	86.9
66°	82.8	82.9	83.9	84.5	83.8	83.5



TEST NUMBER: P639517

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	72.9	73.0	73.8	74.1	73.9	73.7
68°	69.6	69.9	70.7	70.9	70.7	70.7
68.5°	66.3	66.7	67.3	67.8	67.6	67.6
69°	63.1	63.4	64.1	64.6	64.4	64.4
69.5°	60.1	60.4	61.0	61.4	61.4	61.4
70°	57.3	57.2	58.1	58.6	58.4	58.6
70.5°	54.7	54.2	55.2	55.6	55.7	55.8
71°	51.7	51.3	52.1	52.8	52.9	53.0
71.5°	49.0	48.6	49.3	49.8	50.0	50.2
72°	46.2	45.8	46.5	47.1	47.3	47.6
72.5°	43.7	43.1	43.7	44.3	44.6	44.9
73°	41.0	40.3	40.9	41.6	42.0	42.4
73.5°	38.6	37.8	38.3	39.0	39.6	40.0
74°	36.2	35.3	36.0	36.8	37.2	37.8
74.5°	33.8	33.1	33.6	34.3	34.9	35.5
75°	31.6	30.9	31.5	32.2	32.8	33.4
75.5°	29.5	28.8	29.3	30.1	30.6	31.2
76°	27.4	26.7	27.3	28.0	28.7	29.3
76.5°	25.4	24.9	25.3	26.1	26.7	27.4
77°	23.5	23.1	23.5	24.3	24.9	25.6
77.5°	21.8	21.4	21.8	22.5	23.2	23.9
78°	20.0	19.7	20.1	20.9	21.6	22.2
78.5°	18.6	18.4	18.8	19.4	20.0	20.7
79°	17.1	17.0	17.4	18.1	18.8	19.3
79.5°	15.8	15.7	16.0	16.7	17.4	18.1
80°	14.4	14.5	14.9	15.5	16.1	16.7
80.5°	13.3	13.4	13.7	14.4	15.0	15.5
81°	12.2	12.5	12.8	13.3	13.9	14.4
81.5°	11.4	11.6	11.9	12.4	12.8	13.3
82°	10.4	10.7	11.0	11.4	12.0	12.4
82.5°	9.5	9.9	10.1	10.6	11.0	11.5
83°	8.8	8.9	9.2	9.7	10.2	10.6
83.5°	7.8	8.1	8.4	8.9	9.4	9.8
84°	6.9	7.3	7.6	8.0	8.5	9.1
84.5°	6.2	6.5	6.7	7.3	7.7	8.2
85°	5.3	5.6	6.0	6.4	6.9	7.4
85.5°	4.5	4.8	5.1	5.6	6.1	6.5
86°	3.8	4.1	4.4	4.7	5.3	5.8
86.5°	3.1	3.2	3.6	4.0	4.6	5.0
87°	2.2	2.5	2.8	3.2	3.8	4.2
87.5°	1.5	1.7	2.1	2.5	2.9	3.5
88°	0.7	1.0	1.3	1.7	2.3	2.7
88.5°	0.2	0.5	0.7	1.0	1.5	2.1



TEST NUMBER: P639517

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.1	0.2

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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°	414.7	416.9	418.2	419.7	420.0	420.6	420.3	418.0	416.5	415.8	413.9
22°	412.1	414.5	415.7	418.0	417.7	419.0	418.0	416.7	414.6	414.0	411.5



44°	274.3	278.2	281.0	282.8	283.7	283.8	282.2	280.3	277.4	275.8	272.9
44.5°	270.5	273.8	275.8	278.1	279.1	278.7	278.2	276.1	273.4	270.8	268.1



66.5°	80.1	81.2	82.5	83.3	83.2	82.5	81.6	80.5	79.5	79.3	79.0
67°	77.1	77.9	79.2	79.9	80.0	79.0	78.0	77.0	76.1	76.0	75.6



89°	1.3	1.7	2.1	2.2	1.9	1.7	1.3	0.6	0.2	0.0	0.0
89.5°	0.6	1.0	1.4	1.4	1.3	1.0	0.5	0.0	0.0	0.0	0.0

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21.5°	412.8	410.9	411.3	412.0	413.2	414.7
22°	410.0	408.1	409.4	410.3	410.7	412.1



44°	271.1	269.4	270.0	272.4	273.9	274.3
44.5°	267.2	264.8	265.7	268.5	269.4	270.5



66.5°	79.4	79.6	80.5	80.8	80.4	80.1
67°	76.1	76.4	77.1	77.5	77.1	77.1

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89°	0.0	0.1	0.2	0.5	0.8	1.3
89.5°	0.0	0.0	0.0	0.1	0.3	0.6

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(END OF REPORT)