

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: P639516

Luminaire Tested: RL6LS9FSD2W1EWHDM -900LM -3500K

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-2019
Report Number: P639516
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 -3500K
Description: 6IN DIRECT MOUNT, SELECTABLE LUMEN AND CCT, MATTE WHITE BAFFLE
Light Source: (1) SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

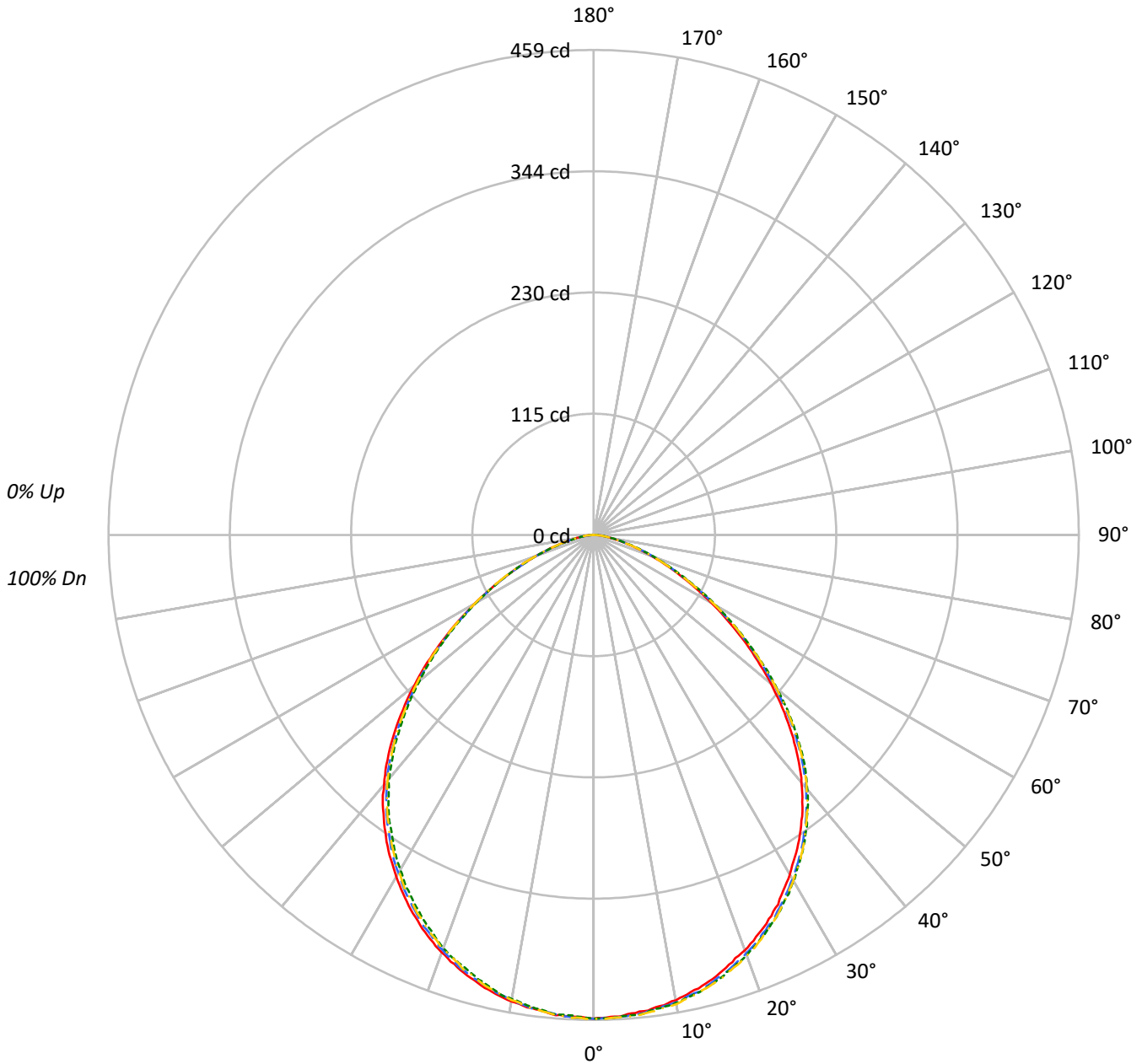
Lumens per Lamp: N/A
Luminaire Lumens: 1060.0 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): 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										
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°	25102	25102	25102	25102
5°	24994	25093	25055	25022
10°	24899	25027	24955	24827
15°	24699	24926	24767	24557
20°	24409	24706	24537	24275
25°	24074	24376	24141	23711
30°	23504	23966	23643	23162
35°	22827	23349	22988	22459
40°	21891	22514	22070	21533
45°	20514	21196	20739	20103
50°	18660	19334	18899	18362
55°	16487	17060	16688	16363
60°	14122	14681	14231	14034
65°	11687	12154	11674	11648
70°	9345	9809	9168	9120
75°	7053	7540	6778	6524
80°	5241	5556	4799	4546
85°	4655	4906	3837	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°
 Vertical Angle: 45°
 Luminance: 21219 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	4.1
10°-20°	123.0	11.6
20°-30°	183.4	17.3
30°-40°	214.0	20.2
40°-50°	205.1	19.3
50°-60°	156.3	14.7
60°-70°	91.1	8.6
70°-80°	36.2	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°	349.7	33.0
0°-40°	563.7	53.2
0°-60°	925.1	87.3
0°-90°	1060.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1060.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	458	458	458	458	458	
5°	454	456	455	455	454	43
15°	435	439	436	433	435	123
25°	398	403	399	392	398	183
35°	341	349	344	336	341	213
45°	265	273	268	259	265	203
55°	172	178	175	171	172	154
65°	90	94	90	90	90	90
75°	33	36	32	31	33	36
85°	7	8	6	6	7	8
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°	457.9	457.9	457.9	457.9	457.9	457.9	457.9	457.9	457.9	457.9	457.9
0.5°	457.3	457.9	457.9	458.0	457.7	457.9	458.2	457.5	457.4	457.8	457.8
1°	457.2	457.8	457.5	457.7	457.7	457.8	458.6	458.2	457.0	457.8	457.5
1.5°	457.2	457.7	457.3	457.9	457.5	457.7	458.2	458.4	456.4	457.5	457.2
2°	456.4	457.5	457.1	457.9	457.5	456.9	457.4	458.2	456.4	457.7	457.5
2.5°	456.3	457.9	457.2	457.6	457.3	457.3	457.4	457.4	456.3	457.3	457.2
3°	456.4	457.5	457.1	458.1	456.8	457.5	457.3	457.3	456.2	456.9	456.4
3.5°	456.0	457.0	456.6	458.1	456.2	457.5	457.3	457.5	456.2	457.1	456.6
4°	454.8	456.4	456.5	457.5	456.2	457.7	457.1	456.3	455.6	457.7	455.3
4.5°	454.3	456.0	456.0	456.4	456.0	457.5	457.0	455.8	456.0	457.0	455.3
5°	454.2	456.1	455.5	456.4	456.0	456.8	456.5	455.8	455.3	455.5	454.3
5.5°	453.2	456.0	455.5	456.0	456.0	455.6	456.4	455.6	454.5	455.3	453.6
6°	453.2	455.2	455.1	455.3	455.6	455.3	455.6	454.9	453.4	455.1	453.4
6.5°	453.1	453.8	453.7	455.0	454.2	454.5	454.9	454.1	452.7	453.6	453.1
7°	451.9	453.4	453.4	454.3	453.0	454.2	454.4	453.6	452.3	453.4	452.4
7.5°	450.9	452.3	452.7	453.9	452.3	452.9	454.3	453.3	451.6	452.7	451.8
8°	450.3	451.6	451.9	452.8	452.3	452.2	453.1	452.3	451.5	451.4	450.5
8.5°	450.0	451.0	451.0	452.7	451.3	452.2	452.4	452.1	450.6	450.8	449.7
9°	448.8	450.8	450.6	451.3	451.2	451.4	451.7	451.2	449.5	450.0	449.0
9.5°	447.5	449.9	449.8	451.0	450.5	450.4	451.6	450.6	448.7	449.8	448.2
10°	447.3	448.7	449.2	450.1	449.6	449.7	450.9	449.4	448.3	448.5	447.6
10.5°	445.8	448.3	448.0	448.8	449.4	449.4	449.9	448.4	447.6	448.1	446.1
11°	444.8	446.9	447.2	448.6	447.6	447.6	448.2	447.6	446.4	446.0	444.7
11.5°	443.8	445.6	445.8	446.9	446.8	446.6	447.6	446.1	445.4	445.7	443.9
12°	442.3	444.8	444.8	445.8	445.9	446.6	446.9	445.2	444.3	444.3	442.9
12.5°	441.0	443.6	444.0	445.0	444.8	445.9	445.2	444.4	443.2	443.5	441.5
13°	440.7	442.4	443.9	443.6	444.3	444.6	444.3	442.9	441.8	442.9	440.4
13.5°	438.9	440.5	442.0	442.9	442.9	443.4	442.9	442.3	440.9	441.0	438.6
14°	437.8	439.5	440.3	441.2	441.8	442.1	441.9	440.9	439.7	439.0	437.4
14.5°	436.3	439.0	438.9	440.4	440.0	441.5	440.7	439.7	437.9	438.1	435.7
15°	435.2	437.5	437.6	439.3	439.2	439.5	439.3	438.1	436.4	436.3	434.9
15.5°	433.7	435.1	435.7	438.1	437.4	437.9	438.3	436.6	435.1	435.0	433.6
16°	431.8	433.7	434.4	436.2	436.3	436.6	437.0	435.6	434.0	433.0	432.0
16.5°	430.0	432.6	433.0	434.4	434.6	434.7	435.4	434.1	432.3	431.9	430.1
17°	428.5	430.4	432.0	433.3	432.4	433.7	433.2	432.0	430.7	430.1	429.1
17.5°	426.4	429.8	430.0	431.0	431.6	432.1	432.0	430.7	429.0	428.2	427.6
18°	425.0	427.8	428.3	429.1	429.9	430.0	430.2	430.2	427.0	427.2	425.4
18.5°	422.3	425.1	426.6	428.9	427.9	429.0	429.1	427.7	426.1	425.7	423.5
19°	421.3	423.8	424.8	426.7	426.7	427.4	427.5	425.8	423.9	423.3	422.0
19.5°	419.8	422.1	423.5	424.1	425.0	425.3	425.3	424.2	422.0	421.3	420.2
20°	418.4	421.2	421.7	422.8	423.5	423.5	423.5	422.0	420.6	420.3	418.0
20.5°	416.6	418.9	419.9	421.0	421.1	421.7	422.3	420.1	418.5	417.7	416.6
21°	414.2	417.4	418.0	419.0	419.7	419.8	420.8	418.6	416.9	416.0	413.9



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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°	408.4	411.2	411.9	414.1	413.3	414.4	414.3	412.5	410.6	409.8	407.2
23°	406.5	408.9	409.6	411.3	412.1	412.7	411.8	410.5	408.3	407.1	405.5
23.5°	404.5	406.9	408.1	409.3	409.4	410.6	409.8	408.5	406.6	404.9	403.8
24°	402.5	404.5	405.4	406.7	407.5	408.5	407.7	406.4	404.1	403.1	401.2
24.5°	399.4	402.0	403.6	404.8	405.1	406.2	405.6	403.9	401.3	401.3	398.5
25°	398.0	399.8	402.0	402.6	403.0	403.5	403.3	401.7	399.1	398.5	395.9
25.5°	394.8	397.6	399.3	400.6	401.1	400.9	401.0	399.1	397.0	395.4	393.3
26°	392.7	395.1	396.5	398.1	398.8	398.7	398.7	396.5	394.6	393.3	391.4
26.5°	391.1	392.5	394.3	395.4	396.3	396.9	395.9	394.0	392.1	391.2	388.5
27°	387.1	390.6	391.6	393.3	393.5	394.3	393.4	392.2	389.3	388.4	386.0
27.5°	384.5	388.3	389.0	390.6	390.7	391.4	391.3	389.4	386.9	385.9	383.6
28°	381.9	385.1	386.3	388.2	388.3	388.7	388.1	386.6	384.2	383.5	381.0
28.5°	379.1	382.2	384.2	385.4	386.7	385.9	385.7	383.9	381.7	380.7	378.2
29°	376.4	379.5	381.5	382.5	383.8	383.4	383.0	381.4	378.7	377.9	375.4
29.5°	374.0	377.0	378.6	380.2	380.6	380.6	380.3	378.6	376.4	374.6	372.7
30°	371.3	374.8	376.0	377.5	378.6	378.0	377.9	375.8	373.5	371.7	369.3
30.5°	368.0	372.0	373.4	374.7	375.6	375.3	374.6	373.0	370.5	369.4	367.1
31°	364.7	368.4	370.5	372.0	372.1	372.6	372.0	370.2	367.7	366.5	364.1
31.5°	362.1	366.2	367.6	369.1	369.5	369.6	369.4	367.4	364.7	364.0	361.5
32°	359.4	363.3	364.9	366.1	366.8	367.5	366.8	364.5	362.0	361.4	358.3
32.5°	356.6	360.2	362.0	363.3	364.1	364.0	364.0	361.6	359.5	357.6	355.2
33°	353.7	357.0	359.2	360.3	361.1	361.1	360.7	358.5	356.4	354.6	352.3
33.5°	350.7	354.3	356.3	357.4	358.3	358.1	358.0	355.4	353.3	351.5	348.8
34°	347.8	351.2	353.4	354.8	354.9	354.8	354.8	352.6	350.4	348.4	345.4
34.5°	344.5	347.5	350.3	351.8	352.2	351.9	351.8	350.0	346.9	345.1	342.0
35°	341.1	345.0	346.8	349.0	348.9	349.1	348.1	346.7	343.5	342.0	339.0
35.5°	338.2	341.7	343.7	345.2	345.7	346.1	345.0	344.2	340.7	339.1	336.1
36°	334.4	338.3	340.6	341.8	342.9	343.3	341.4	340.2	337.4	335.8	332.5
36.5°	331.5	335.2	337.2	338.8	339.6	339.9	338.3	336.3	333.9	332.5	329.6
37°	328.2	331.3	334.1	335.7	335.2	336.3	335.0	333.5	330.5	329.0	326.0
37.5°	324.6	328.4	330.4	331.5	332.2	332.0	331.4	329.8	327.2	325.2	322.5
38°	320.5	324.5	327.0	328.1	328.7	329.1	329.3	326.0	324.1	321.7	318.7
38.5°	317.2	321.2	322.8	324.2	325.8	325.1	325.3	322.3	320.5	317.9	315.3
39°	313.7	317.3	319.7	320.8	322.2	322.5	321.1	319.3	317.0	315.0	311.5
39.5°	309.7	313.9	316.1	317.6	318.8	318.9	317.2	315.7	312.3	310.6	307.7
40°	305.9	310.9	312.5	314.0	314.6	314.6	313.2	311.9	308.4	307.4	304.1
40.5°	302.5	306.3	308.8	310.0	310.3	310.7	309.9	307.1	304.8	304.1	300.4
41°	298.3	302.0	304.5	306.3	307.1	307.3	306.1	304.2	300.6	299.5	296.6
41.5°	294.3	297.9	300.5	302.3	303.2	303.3	302.0	300.8	297.3	295.0	292.1
42°	290.2	294.1	296.8	298.2	299.3	298.4	297.9	295.8	293.1	291.3	288.2
42.5°	286.0	289.7	292.5	293.5	295.8	295.0	293.6	291.7	288.7	287.4	284.0
43°	282.0	285.5	288.0	289.5	291.3	290.5	289.7	287.4	284.7	283.0	280.0
43.5°	277.7	281.3	283.8	285.6	286.9	286.5	285.0	283.0	280.6	278.8	275.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	264.6	268.2	271.0	271.9	273.4	273.7	272.0	270.2	267.5	265.5	263.0
45.5°	260.2	263.8	265.9	267.8	269.3	269.1	268.2	265.7	262.9	261.0	258.8
46°	255.8	259.1	261.9	263.5	264.3	264.3	263.3	261.1	258.5	256.8	254.3
46.5°	251.0	254.4	257.3	259.0	260.3	259.7	258.7	256.6	253.9	252.1	249.5
47°	247.1	249.8	252.4	253.7	255.1	255.4	253.7	251.8	249.6	247.6	245.2
47.5°	242.0	245.5	247.9	248.8	250.6	250.5	249.2	247.5	244.4	243.4	240.2
48°	237.6	240.6	243.4	244.1	246.3	245.6	244.6	243.1	240.2	238.8	235.9
48.5°	233.1	236.0	238.3	239.8	241.1	240.9	240.3	238.0	235.7	234.3	231.2
49°	228.1	231.1	233.6	235.0	236.4	236.0	234.9	233.3	231.2	229.6	226.9
49.5°	223.7	226.4	229.1	230.6	231.7	231.6	230.4	228.7	226.5	224.8	222.2
50°	218.8	221.5	224.1	225.2	226.7	227.1	225.4	223.7	221.6	220.1	217.8
50.5°	214.5	217.4	219.3	220.8	221.8	222.0	220.6	218.9	216.8	215.4	213.1
51°	209.6	212.8	214.4	216.1	217.4	216.5	216.1	214.4	212.3	211.3	208.9
51.5°	205.1	208.0	210.0	211.1	212.9	212.2	211.4	209.7	207.7	205.8	204.0
52°	199.9	202.9	205.1	206.7	208.1	207.4	206.3	205.1	203.3	201.7	199.2
52.5°	195.5	197.8	200.2	201.6	202.8	202.5	201.8	200.4	198.3	197.0	194.8
53°	190.9	193.3	195.4	196.9	197.7	198.4	196.8	195.2	193.4	192.0	190.4
53.5°	186.2	188.6	190.9	192.3	193.1	193.0	192.1	190.7	188.7	187.6	185.9
54°	181.7	183.9	186.5	187.4	188.2	188.1	187.2	186.2	184.3	182.8	181.2
54.5°	177.4	179.5	181.5	182.9	183.5	183.5	182.6	181.6	179.5	178.3	176.6
55°	172.5	174.7	176.8	178.2	178.5	178.7	177.9	176.6	174.6	173.5	171.9
55.5°	167.9	170.0	172.2	173.5	174.0	174.1	173.0	171.8	170.0	168.8	167.7
56°	163.5	165.5	167.7	168.9	169.5	169.3	168.2	167.4	165.4	164.3	163.2
56.5°	159.1	161.1	163.1	164.4	165.0	164.7	163.6	162.6	161.2	160.2	158.7
57°	154.7	156.5	158.7	159.6	160.5	160.0	159.4	158.0	156.4	155.4	154.5
57.5°	150.1	152.1	154.5	155.2	155.7	155.5	154.6	153.3	151.8	150.9	149.9
58°	145.6	147.8	149.9	150.9	151.4	151.0	150.1	148.9	147.4	146.6	145.4
58.5°	141.5	143.0	145.2	146.3	147.3	146.8	145.5	144.2	142.7	142.1	141.1
59°	137.1	138.8	141.0	141.6	142.7	142.3	141.1	140.1	138.5	137.5	136.8
59.5°	133.0	134.4	136.4	137.5	137.9	137.5	137.0	135.4	133.9	133.4	132.7
60°	128.8	130.1	132.3	133.5	133.9	133.1	132.4	131.3	129.8	129.2	128.5
60.5°	124.7	126.0	128.1	129.0	129.8	129.2	128.1	126.9	125.6	125.0	124.3
61°	120.5	121.8	124.0	125.0	125.6	124.8	123.6	122.5	121.2	120.7	120.1
61.5°	116.7	117.8	119.8	120.7	121.3	120.6	119.5	118.3	117.1	116.4	115.8
62°	112.6	113.8	115.6	116.5	117.4	116.3	115.3	114.1	113.0	112.4	111.9
62.5°	108.5	109.9	111.6	112.5	113.2	112.3	111.2	110.5	109.0	108.3	108.0
63°	104.7	106.0	107.6	108.5	109.1	108.1	107.3	106.0	105.0	104.6	103.9
63.5°	100.9	102.2	103.8	104.8	105.0	104.4	103.2	102.1	101.3	100.8	100.4
64°	97.1	98.4	100.1	101.0	101.3	100.6	99.5	98.2	97.3	97.0	96.8
64.5°	93.6	94.8	96.4	97.2	97.6	96.8	95.7	94.5	93.5	93.3	92.8
65°	90.1	91.2	92.6	93.4	93.7	93.0	91.9	91.0	90.0	89.8	89.1
65.5°	86.5	87.5	89.2	89.9	90.1	89.4	88.4	87.3	86.4	85.9	85.8
66°	83.1	84.2	85.6	86.3	86.6	85.7	84.6	83.5	82.7	82.4	82.0



TEST NUMBER: P639516

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	73.4	74.4	75.8	76.5	76.1	75.5	74.5	73.5	72.5	72.2	72.1
68°	70.3	71.3	72.5	73.3	73.0	72.3	71.3	70.0	69.2	69.1	68.8
68.5°	67.3	68.3	69.3	70.2	69.8	69.1	67.9	66.8	65.9	65.9	65.6
69°	64.1	65.2	66.3	67.0	66.8	66.1	64.9	63.9	63.0	62.7	62.4
69.5°	61.2	62.3	63.4	64.0	64.1	63.1	62.0	60.8	60.0	59.7	59.5
70°	58.3	59.4	60.6	61.0	61.2	60.4	59.2	58.1	57.2	56.9	56.8
70.5°	55.6	56.5	57.6	58.2	58.3	57.5	56.5	55.3	54.5	54.2	53.9
71°	52.8	53.9	54.7	55.4	55.6	54.8	53.7	52.6	51.7	51.4	51.2
71.5°	49.9	51.1	52.0	52.5	52.8	52.0	50.9	50.0	48.9	48.5	48.4
72°	47.4	48.3	49.2	49.8	50.2	49.4	48.2	47.3	46.3	46.0	45.8
72.5°	44.7	45.5	46.6	47.0	47.5	46.9	45.7	44.6	43.9	43.4	43.2
73°	42.2	43.2	44.0	44.4	45.0	44.2	43.1	42.1	41.4	40.9	40.7
73.5°	39.8	40.8	41.5	41.9	42.6	41.8	40.7	39.6	38.8	38.5	38.2
74°	37.6	38.5	39.3	39.5	40.3	39.3	38.2	37.3	36.4	36.0	35.6
74.5°	35.3	36.3	36.9	37.2	37.8	36.9	36.0	35.0	34.1	33.8	33.5
75°	33.3	34.1	34.8	34.9	35.6	34.8	33.8	32.8	32.0	31.5	31.4
75.5°	31.1	32.0	32.7	32.8	33.4	32.7	31.6	30.8	29.8	29.4	29.3
76°	29.2	30.0	30.5	30.7	31.2	30.5	29.5	28.7	27.9	27.5	27.2
76.5°	27.3	28.1	28.7	28.7	29.3	28.6	27.6	26.6	25.8	25.4	25.2
77°	25.5	26.3	26.8	26.9	27.3	26.6	25.7	24.8	23.9	23.6	23.4
77.5°	23.8	24.5	25.0	25.1	25.5	24.8	23.9	23.1	22.3	21.8	21.7
78°	22.1	22.8	23.3	23.4	23.7	23.1	22.3	21.4	20.7	20.2	19.9
78.5°	20.6	21.4	21.8	21.8	22.1	21.4	20.6	19.9	19.1	18.8	18.5
79°	19.2	19.9	20.2	20.2	20.4	19.9	19.0	18.6	17.8	17.3	17.2
79.5°	18.0	18.6	19.0	19.0	18.8	18.5	17.9	17.1	16.4	16.0	15.8
80°	16.6	17.3	17.6	17.6	17.6	17.2	16.5	15.8	15.2	14.8	14.5
80.5°	15.5	16.0	16.4	16.3	16.3	15.9	15.2	14.7	14.1	13.7	13.3
81°	14.4	14.9	15.2	15.2	15.1	14.7	14.1	13.5	13.0	12.6	12.2
81.5°	13.3	13.7	14.1	14.1	13.8	13.5	12.9	12.4	11.9	11.6	11.4
82°	12.3	12.7	13.0	13.0	12.8	12.4	11.9	11.5	11.1	10.8	10.5
82.5°	11.5	11.9	12.1	12.0	11.8	11.5	11.1	10.6	10.2	9.9	9.6
83°	10.6	11.0	11.3	11.3	11.0	10.6	10.3	9.9	9.3	9.1	8.7
83.5°	9.7	10.1	10.4	10.4	10.0	9.8	9.4	8.9	8.6	8.2	7.9
84°	9.0	9.3	9.7	9.7	9.3	9.0	8.6	8.2	7.7	7.4	7.1
84.5°	8.2	8.6	8.9	8.9	8.6	8.3	7.9	7.5	6.9	6.6	6.3
85°	7.4	7.8	8.1	8.1	7.8	7.5	7.0	6.7	6.1	5.8	5.3
85.5°	6.5	7.0	7.3	7.3	7.0	6.8	6.4	5.8	5.3	5.0	4.6
86°	5.7	6.2	6.5	6.5	6.2	6.0	5.6	5.0	4.6	4.2	4.1
86.5°	4.9	5.4	5.7	5.8	5.5	5.2	4.9	4.3	4.1	3.5	3.1
87°	4.2	4.7	4.9	5.0	4.9	4.6	4.1	3.5	3.1	2.7	2.3
87.5°	3.5	4.0	4.2	4.3	4.1	4.0	3.3	2.9	2.4	1.9	1.6
88°	2.7	3.1	3.5	3.6	3.3	3.1	2.6	2.0	1.6	1.3	0.9
88.5°	2.0	2.5	2.7	2.8	2.6	2.3	1.9	1.4	0.9	0.5	0.4



TEST NUMBER: P639516

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3500K

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	0.5	0.5	0.1	0.0	0.0	0.0	0.0



TEST NUMBER: P639516

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	457.9	457.9	457.9	457.9	457.9	457.9
0.5°	457.5	457.5	458.0	458.5	457.4	457.3
1°	457.2	456.9	457.1	457.9	457.5	457.2
1.5°	457.1	456.6	456.9	457.3	458.2	457.2
2°	457.0	456.1	456.9	457.3	458.2	456.4
2.5°	456.2	455.3	456.5	457.5	457.1	456.3
3°	456.2	455.3	456.0	457.0	456.6	456.4
3.5°	456.1	455.0	456.0	456.6	456.4	456.0
4°	455.9	455.3	455.5	456.0	456.1	454.8
4.5°	455.6	455.3	455.6	455.7	455.4	454.3
5°	455.8	454.7	454.1	455.2	454.6	454.2
5.5°	455.3	453.5	454.0	454.1	453.6	453.2
6°	453.1	452.4	452.8	453.9	453.6	453.2
6.5°	452.2	451.7	452.7	453.0	452.1	453.1
7°	451.6	451.6	452.0	452.2	451.9	451.9
7.5°	451.1	450.4	450.1	451.8	451.3	450.9
8°	450.9	449.8	449.5	450.7	450.7	450.3
8.5°	449.4	448.5	448.8	449.8	449.9	450.0
9°	448.7	447.6	447.2	448.4	448.9	448.8
9.5°	447.9	446.5	446.8	447.6	448.3	447.5
10°	446.9	446.0	446.6	447.1	447.2	447.3
10.5°	445.5	445.0	445.1	445.7	446.4	445.8
11°	445.4	444.8	444.7	444.7	444.3	444.8
11.5°	443.9	443.7	443.7	443.3	443.6	443.8
12°	443.3	441.8	441.0	442.1	442.6	442.3
12.5°	441.4	440.4	439.7	441.0	441.0	441.0
13°	439.4	438.8	439.0	440.1	439.9	440.7
13.5°	438.5	437.4	438.2	438.8	438.7	438.9
14°	437.7	435.6	436.6	437.3	437.4	437.8
14.5°	436.0	434.7	435.0	435.5	435.2	436.3
15°	434.5	432.7	434.0	433.5	434.8	435.2
15.5°	432.5	431.0	431.5	432.1	433.0	433.7
16°	430.8	429.3	430.1	430.1	431.2	431.8
16.5°	429.6	427.6	428.4	430.1	429.5	430.0
17°	427.9	426.1	426.9	427.9	428.6	428.5
17.5°	426.2	424.8	425.8	425.0	426.3	426.4
18°	425.0	422.7	423.6	423.7	424.0	425.0
18.5°	422.3	421.7	420.9	421.6	422.8	422.3
19°	420.8	420.0	419.1	420.9	420.9	421.3
19.5°	418.9	417.8	417.3	418.3	419.5	419.8
20°	416.9	416.1	415.3	416.6	417.4	418.4
20.5°	414.3	414.0	413.5	415.1	415.8	416.6
21°	412.5	411.6	411.7	412.3	413.0	414.2



TEST NUMBER: P639516

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	406.7	404.1	404.6	406.3	406.3	408.4
23°	404.1	402.2	402.2	404.1	405.0	406.5
23.5°	402.3	399.8	400.4	401.6	402.6	404.5
24°	399.6	397.7	398.0	398.7	400.0	402.5
24.5°	397.3	394.8	395.6	396.9	397.9	399.4
25°	394.7	392.0	393.1	395.0	395.9	398.0
25.5°	392.0	390.1	390.3	392.2	393.2	394.8
26°	389.9	387.5	388.2	389.5	391.3	392.7
26.5°	387.3	384.7	385.9	387.0	388.2	391.1
27°	384.6	382.3	382.9	384.5	385.7	387.1
27.5°	381.9	379.6	380.1	382.2	383.4	384.5
28°	379.4	377.7	377.7	380.4	380.5	381.9
28.5°	376.8	374.6	375.0	377.1	377.7	379.1
29°	373.7	371.7	372.3	374.2	375.0	376.4
29.5°	370.6	368.3	369.4	370.9	372.3	374.0
30°	368.0	365.9	366.2	368.4	369.7	371.3
30.5°	365.1	363.2	363.6	365.8	366.6	368.0
31°	362.4	360.6	360.6	363.0	363.7	364.7
31.5°	359.7	357.7	357.6	359.6	360.9	362.1
32°	356.0	354.6	354.4	356.5	358.1	359.4
32.5°	352.8	351.4	351.3	353.1	355.2	356.6
33°	349.7	347.5	348.5	350.4	352.3	353.7
33.5°	346.8	345.0	345.6	347.4	349.0	350.7
34°	343.9	341.4	342.2	344.0	346.1	347.8
34.5°	340.8	338.4	339.1	341.3	342.9	344.5
35°	337.9	335.6	336.0	338.0	339.9	341.1
35.5°	334.4	332.9	332.9	334.5	336.2	338.2
36°	330.6	329.4	329.9	331.6	333.3	334.4
36.5°	327.6	326.0	326.0	328.0	329.4	331.5
37°	324.7	322.7	322.3	324.8	326.6	328.2
37.5°	321.2	318.9	319.0	320.9	323.2	324.6
38°	317.2	315.1	315.9	317.6	319.6	320.5
38.5°	313.7	311.4	312.6	314.2	315.7	317.2
39°	310.1	307.9	308.5	310.5	312.0	313.7
39.5°	305.9	304.8	305.0	307.2	308.2	309.7
40°	302.3	300.9	300.9	303.3	304.7	305.9
40.5°	298.6	297.2	297.8	299.5	300.5	302.5
41°	294.3	293.0	293.8	295.7	296.8	298.3
41.5°	290.9	288.3	290.0	291.9	293.0	294.3
42°	287.0	284.4	286.3	287.5	288.9	290.2
42.5°	282.4	280.7	281.7	283.2	285.3	286.0
43°	278.4	276.7	277.1	279.3	280.9	282.0
43.5°	273.9	272.7	272.7	275.1	276.7	277.7



TEST NUMBER: P639516

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	261.6	259.3	260.2	262.3	263.8	264.6
45.5°	257.1	255.1	255.9	258.0	259.0	260.2
46°	252.6	250.8	251.6	254.3	255.3	255.8
46.5°	247.9	246.6	247.8	249.3	250.4	251.0
47°	243.8	242.2	242.9	244.9	246.1	247.1
47.5°	239.2	237.7	238.9	240.7	241.2	242.0
48°	234.9	233.4	234.0	236.5	237.1	237.6
48.5°	230.1	228.8	229.9	231.3	232.3	233.1
49°	225.2	224.2	225.6	227.3	227.8	228.1
49.5°	220.8	220.1	221.1	222.8	223.0	223.7
50°	216.8	215.3	217.2	218.3	218.2	218.8
50.5°	211.8	210.9	212.3	213.8	214.3	214.5
51°	207.3	206.5	208.1	209.3	209.8	209.6
51.5°	202.7	202.4	203.1	204.9	205.1	205.1
52°	198.4	197.7	198.8	200.3	200.0	199.9
52.5°	193.8	193.4	194.6	195.7	195.6	195.5
53°	189.5	188.7	190.5	191.6	191.2	190.9
53.5°	185.0	184.3	185.7	186.8	186.7	186.2
54°	180.5	180.0	181.0	182.7	181.8	181.7
54.5°	176.1	175.3	176.2	178.1	177.6	177.4
55°	171.7	171.2	172.2	173.4	172.9	172.5
55.5°	167.2	166.6	167.8	168.6	168.5	167.9
56°	163.0	162.3	163.1	164.5	163.9	163.5
56.5°	158.6	157.6	158.7	160.3	159.8	159.1
57°	154.3	153.6	154.8	155.8	155.4	154.7
57.5°	149.8	148.8	150.5	151.2	150.7	150.1
58°	145.3	144.7	146.0	146.9	146.4	145.6
58.5°	141.2	140.5	141.7	142.7	141.9	141.5
59°	137.0	136.5	137.3	138.6	137.7	137.1
59.5°	132.7	132.1	133.5	134.2	133.6	133.0
60°	128.6	128.0	129.1	130.2	129.3	128.8
60.5°	124.7	123.9	125.0	126.0	125.3	124.7
61°	120.7	120.0	121.1	121.8	121.3	120.5
61.5°	116.3	116.2	117.1	117.8	117.2	116.7
62°	112.3	111.9	113.2	113.6	112.9	112.6
62.5°	108.5	108.2	109.2	109.8	109.0	108.5
63°	104.5	104.5	105.3	106.1	105.3	104.7
63.5°	100.6	100.8	101.8	102.1	101.4	100.9
64°	96.8	97.1	97.7	98.4	97.7	97.1
64.5°	93.0	93.3	94.2	94.7	94.0	93.6
65°	89.7	89.8	90.5	91.0	90.3	90.1
65.5°	86.1	86.2	87.3	87.3	86.8	86.5
66°	82.4	82.5	83.5	84.1	83.4	83.1



TEST NUMBER: P639516

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	72.5	72.7	73.5	73.8	73.6	73.4
68°	69.2	69.6	70.3	70.6	70.3	70.3
68.5°	66.0	66.4	67.0	67.4	67.3	67.3
69°	62.8	63.1	63.8	64.3	64.1	64.1
69.5°	59.8	60.1	60.8	61.2	61.1	61.2
70°	57.1	56.9	57.8	58.3	58.2	58.3
70.5°	54.4	53.9	55.0	55.3	55.4	55.6
71°	51.5	51.1	51.8	52.5	52.7	52.8
71.5°	48.8	48.4	49.1	49.6	49.8	49.9
72°	46.0	45.6	46.3	46.9	47.1	47.4
72.5°	43.5	42.9	43.5	44.1	44.4	44.7
73°	40.8	40.1	40.7	41.5	41.8	42.2
73.5°	38.4	37.6	38.2	38.9	39.4	39.8
74°	36.0	35.2	35.8	36.6	37.0	37.6
74.5°	33.6	33.0	33.4	34.1	34.8	35.3
75°	31.5	30.8	31.3	32.0	32.7	33.3
75.5°	29.4	28.7	29.2	29.9	30.5	31.1
76°	27.2	26.6	27.2	27.9	28.6	29.2
76.5°	25.3	24.8	25.2	26.0	26.6	27.3
77°	23.4	23.0	23.4	24.2	24.8	25.5
77.5°	21.7	21.3	21.7	22.4	23.1	23.8
78°	19.9	19.6	20.0	20.8	21.5	22.1
78.5°	18.5	18.3	18.7	19.3	19.9	20.6
79°	17.0	17.0	17.3	18.0	18.7	19.2
79.5°	15.7	15.6	15.9	16.6	17.3	18.0
80°	14.4	14.4	14.8	15.4	16.0	16.6
80.5°	13.3	13.3	13.7	14.3	14.9	15.5
81°	12.2	12.4	12.7	13.2	13.8	14.4
81.5°	11.3	11.5	11.9	12.3	12.7	13.3
82°	10.4	10.7	11.0	11.4	11.9	12.3
82.5°	9.5	9.8	10.0	10.5	11.0	11.5
83°	8.7	8.9	9.2	9.7	10.1	10.6
83.5°	7.8	8.1	8.3	8.9	9.3	9.7
84°	6.9	7.3	7.5	8.0	8.5	9.0
84.5°	6.1	6.4	6.7	7.2	7.7	8.2
85°	5.3	5.6	6.0	6.4	6.8	7.4
85.5°	4.5	4.8	5.1	5.6	6.0	6.5
86°	3.8	4.1	4.4	4.7	5.3	5.7
86.5°	3.1	3.2	3.6	4.0	4.6	4.9
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	2.0



TEST NUMBER: P639516

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3500K

CANDELA DISTRIBUTION (continued):

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

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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°	412.8	415.0	416.2	417.7	418.0	418.7	418.4	416.1	414.5	413.9	412.0
22°	410.2	412.5	413.7	416.0	415.8	417.0	416.0	414.7	412.6	412.1	409.6



44°	273.0	276.9	279.6	281.5	282.4	282.5	280.9	279.0	276.1	274.5	271.6
44.5°	269.3	272.5	274.5	276.8	277.8	277.4	276.9	274.8	272.1	269.5	266.8



66.5°	79.8	80.9	82.1	82.9	82.8	82.1	81.2	80.1	79.1	78.9	78.7
67°	76.7	77.5	78.8	79.5	79.6	78.7	77.6	76.6	75.8	75.6	75.2



89°	1.3	1.7	2.0	2.2	1.9	1.6	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°	410.8	409.0	409.3	410.1	411.2	412.8
22°	408.1	406.2	407.4	408.4	408.8	410.2



44°	269.8	268.2	268.7	271.2	272.7	273.0
44.5°	266.0	263.5	264.4	267.2	268.1	269.3



66.5°	79.1	79.2	80.1	80.5	80.0	79.8
67°	75.8	76.0	76.8	77.2	76.8	76.7

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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)