

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: P639514

Luminaire Tested: RL6LS9FSD2W1EWHDM -900LM -2700K

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-2019
Report Number: P639514
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 -2700K
Description: 6IN DIRECT MOUNT, SELECTABLE LUMEN AND CCT, MATTE WHITE BAFFLE
Light Source: (1) SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

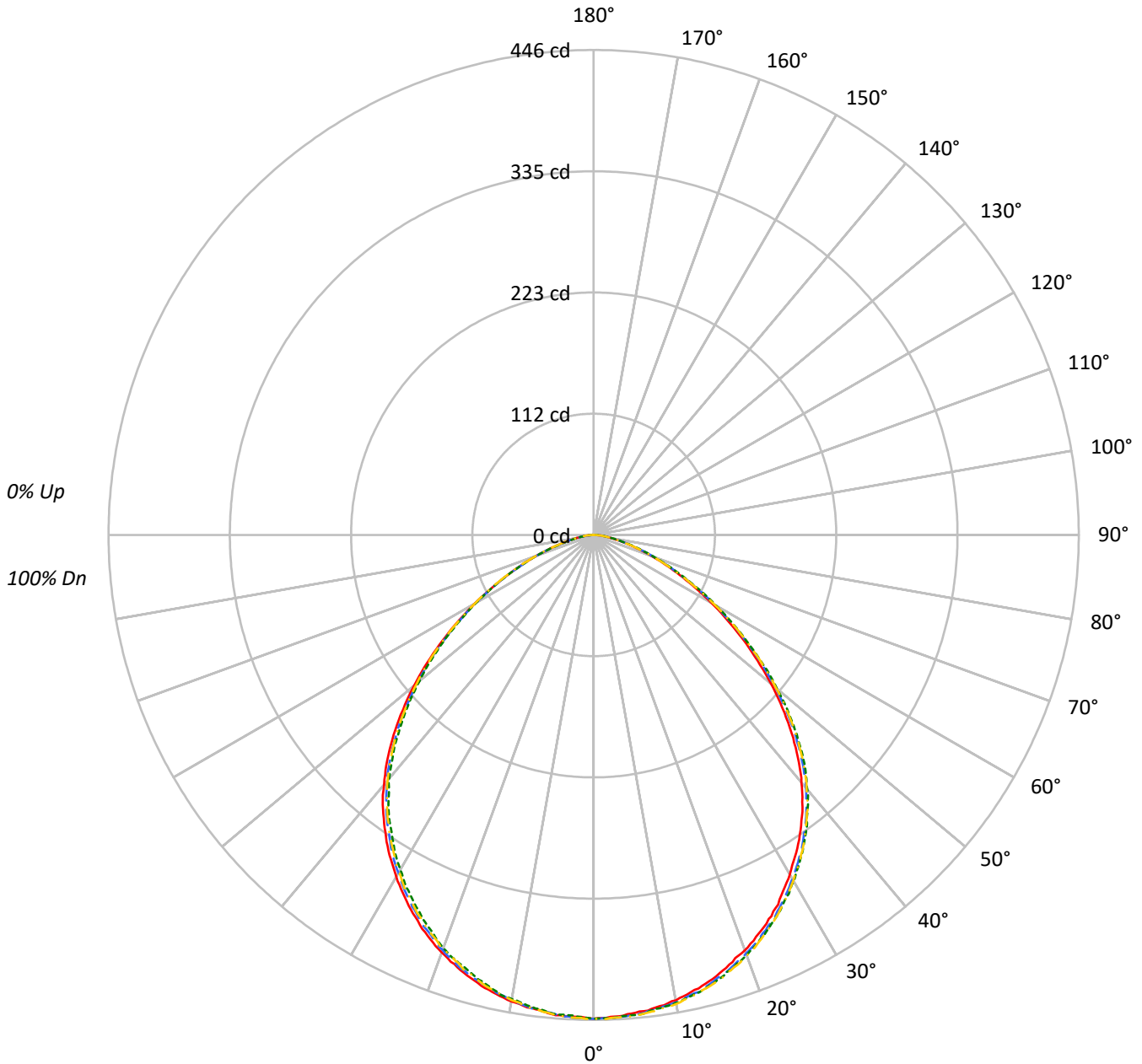
Lumens per Lamp: N/A
Luminaire Lumens: 1030.0 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	24395	24395	24395	24395
5°	24285	24384	24345	24312
10°	24198	24320	24248	24126
15°	24001	24223	24069	23865
20°	23715	24006	23843	23586
25°	23397	23687	23457	23040
30°	22833	23288	22972	22510
35°	22185	22687	22339	21824
40°	21268	21877	21440	20925
45°	19932	20591	20157	19537
50°	18132	18788	18362	17842
55°	16019	16582	16219	15904
60°	13727	14264	13826	13639
65°	11363	11804	11337	11324
70°	9088	9521	8912	8864
75°	6841	7329	6566	6333
80°	5114	5398	4641	4420
85°	4529	4780	3774	3397

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°

Vertical Angle: 45°

Luminance: 20615 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	4.1
10°-20°	119.5	11.6
20°-30°	178.3	17.3
30°-40°	208.0	20.2
40°-50°	199.3	19.3
50°-60°	151.9	14.7
60°-70°	88.5	8.6
70°-80°	35.2	3.4
80°-90°	7.4	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°	339.8	33.0
0°-40°	547.8	53.2
0°-60°	898.9	87.3
0°-90°	1030.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1030.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	445	445	445	445	445	
5°	441	443	442	442	441	42
15°	423	427	424	420	423	119
25°	387	392	388	381	387	178
35°	332	339	334	326	332	207
45°	257	266	260	252	257	198
55°	168	174	170	166	168	150
65°	88	91	87	87	88	88
75°	32	35	31	30	32	35
85°	7	8	6	5	7	8
90°	0	0	0	0	0	



TEST NUMBER: P639514

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	445.0	445.0	445.0	445.0	445.0	445.0	445.0	445.0	445.0	445.0	445.0
0.5°	444.4	445.0	445.0	445.0	444.7	445.0	445.3	444.6	444.4	444.9	444.9
1°	444.3	444.8	444.6	444.7	444.7	444.9	445.6	445.2	444.0	444.8	444.5
1.5°	444.3	444.7	444.4	445.0	444.6	444.7	445.3	445.4	443.5	444.6	444.3
2°	443.4	444.5	444.1	445.0	444.5	444.0	444.4	445.3	443.5	444.7	444.6
2.5°	443.4	445.0	444.3	444.7	444.4	444.4	444.4	444.4	443.4	444.4	444.3
3°	443.4	444.5	444.2	445.1	443.9	444.6	444.4	444.4	443.3	444.0	443.4
3.5°	443.1	444.0	443.7	445.1	443.3	444.6	444.4	444.6	443.3	444.2	443.7
4°	441.9	443.5	443.6	444.6	443.3	444.7	444.2	443.4	442.8	444.7	442.4
4.5°	441.5	443.1	443.1	443.5	443.1	444.5	444.0	442.9	443.1	444.0	442.4
5°	441.3	443.2	442.6	443.4	443.1	443.9	443.6	442.9	442.4	442.6	441.5
5.5°	440.4	443.1	442.6	443.1	443.1	442.7	443.4	442.8	441.7	442.4	440.8
6°	440.4	442.3	442.2	442.4	442.7	442.4	442.8	442.1	440.6	442.2	440.6
6.5°	440.3	440.9	440.8	442.1	441.3	441.7	442.0	441.2	439.9	440.8	440.3
7°	439.1	440.6	440.6	441.5	440.2	441.3	441.5	440.8	439.5	440.6	439.6
7.5°	438.2	439.5	439.9	441.1	439.5	440.1	441.5	440.5	438.8	439.9	439.0
8°	437.6	438.9	439.1	440.0	439.5	439.4	440.3	439.5	438.7	438.6	437.7
8.5°	437.3	438.3	438.3	439.9	438.6	439.4	439.6	439.3	437.9	438.0	437.0
9°	436.1	438.0	437.9	438.5	438.4	438.6	438.9	438.4	436.8	437.3	436.3
9.5°	434.8	437.2	437.1	438.3	437.7	437.6	438.8	437.9	436.0	437.1	435.5
10°	434.7	436.0	436.5	437.3	436.9	437.0	438.1	436.6	435.6	435.8	435.0
10.5°	433.2	435.6	435.4	436.1	436.7	436.6	437.2	435.7	434.9	435.4	433.4
11°	432.2	434.2	434.6	435.9	435.0	434.9	435.5	434.9	433.7	433.4	432.1
11.5°	431.2	433.0	433.2	434.2	434.1	434.0	434.9	433.4	432.8	433.1	431.3
12°	429.8	432.2	432.2	433.2	433.3	434.0	434.3	432.6	431.7	431.7	430.3
12.5°	428.5	431.1	431.5	432.4	432.2	433.3	432.6	431.8	430.7	430.9	429.0
13°	428.2	429.9	431.4	431.0	431.7	432.0	431.8	430.3	429.2	430.3	428.0
13.5°	426.5	428.0	429.5	430.3	430.3	430.9	430.4	429.8	428.4	428.6	426.2
14°	425.4	427.0	427.9	428.7	429.2	429.6	429.4	428.4	427.3	426.6	425.1
14.5°	424.0	426.6	426.5	428.0	427.6	429.0	428.3	427.3	425.5	425.7	423.4
15°	422.9	425.1	425.2	426.9	426.8	427.0	426.9	425.7	424.1	424.0	422.6
15.5°	421.4	422.8	423.4	425.7	425.0	425.5	425.9	424.2	422.8	422.7	421.3
16°	419.6	421.4	422.1	423.8	423.9	424.3	424.6	423.3	421.7	420.8	419.8
16.5°	417.8	420.4	420.8	422.1	422.3	422.4	423.1	421.8	420.0	419.6	417.9
17°	416.4	418.2	419.8	421.0	420.2	421.5	420.9	419.8	418.5	418.0	417.0
17.5°	414.4	417.7	417.8	418.8	419.4	419.9	419.8	418.5	416.9	416.1	415.5
18°	413.0	415.7	416.2	417.0	417.7	417.8	418.0	418.0	414.9	415.1	413.4
18.5°	410.3	413.1	414.5	416.7	415.7	416.8	417.0	415.6	414.0	413.6	411.6
19°	409.3	411.8	412.8	414.6	414.6	415.3	415.4	413.8	411.9	411.3	410.1
19.5°	408.0	410.2	411.6	412.1	412.9	413.2	413.3	412.2	410.1	409.4	408.3
20°	406.5	409.3	409.7	410.8	411.5	411.5	411.6	410.0	408.7	408.4	406.1
20.5°	404.8	407.1	408.0	409.1	409.2	409.7	410.3	408.2	406.7	405.8	404.8
21°	402.5	405.6	406.1	407.1	407.8	408.0	408.9	406.7	405.1	404.2	402.2



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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°	396.8	399.6	400.3	402.4	401.6	402.6	402.5	400.8	399.0	398.2	395.7
23°	395.0	397.4	398.0	399.7	400.4	401.0	400.2	398.9	396.8	395.5	394.0
23.5°	393.0	395.4	396.5	397.7	397.8	399.0	398.2	396.9	395.1	393.5	392.3
24°	391.1	393.0	393.9	395.2	396.0	396.9	396.1	394.9	392.7	391.7	389.9
24.5°	388.1	390.6	392.2	393.3	393.6	394.7	394.2	392.5	390.0	390.0	387.2
25°	386.8	388.5	390.6	391.2	391.6	392.1	391.9	390.3	387.8	387.2	384.7
25.5°	383.6	386.4	388.0	389.3	389.7	389.6	389.7	387.8	385.8	384.2	382.2
26°	381.6	383.9	385.3	386.8	387.5	387.4	387.4	385.2	383.4	382.2	380.4
26.5°	380.0	381.4	383.2	384.2	385.1	385.7	384.7	382.9	381.0	380.1	377.5
27°	376.2	379.5	380.5	382.2	382.4	383.1	382.3	381.1	378.3	377.4	375.1
27.5°	373.6	377.3	378.0	379.6	379.7	380.3	380.2	378.4	375.9	375.0	372.7
28°	371.0	374.2	375.4	377.2	377.3	377.7	377.1	375.7	373.3	372.6	370.2
28.5°	368.4	371.4	373.3	374.5	375.8	374.9	374.8	373.0	370.9	369.9	367.5
29°	365.8	368.8	370.7	371.7	373.0	372.6	372.2	370.6	368.0	367.2	364.8
29.5°	363.4	366.3	367.9	369.4	369.8	369.8	369.5	367.9	365.8	364.0	362.1
30°	360.7	364.2	365.3	366.8	367.9	367.3	367.2	365.2	362.9	361.2	358.8
30.5°	357.5	361.4	362.8	364.1	365.0	364.7	364.0	362.4	360.1	358.9	356.7
31°	354.3	358.0	360.0	361.4	361.6	362.0	361.4	359.8	357.3	356.2	353.8
31.5°	351.8	355.9	357.2	358.7	359.1	359.1	359.0	357.0	354.4	353.7	351.3
32°	349.2	353.0	354.6	355.7	356.4	357.1	356.4	354.2	351.7	351.1	348.2
32.5°	346.5	350.0	351.7	353.0	353.8	353.7	353.7	351.4	349.3	347.5	345.1
33°	343.7	346.9	349.1	350.1	350.9	350.9	350.4	348.3	346.3	344.6	342.3
33.5°	340.8	344.3	346.3	347.3	348.2	348.0	347.9	345.3	343.3	341.5	338.9
34°	337.9	341.3	343.4	344.7	344.9	344.8	344.8	342.7	340.5	338.5	335.6
34.5°	334.7	337.7	340.4	341.8	342.2	341.9	341.8	340.1	337.1	335.3	332.3
35°	331.5	335.2	337.0	339.1	339.0	339.2	338.2	336.9	333.8	332.3	329.4
35.5°	328.6	332.0	334.0	335.4	336.0	336.3	335.2	334.5	331.1	329.5	326.6
36°	324.9	328.7	331.0	332.1	333.2	333.6	331.8	330.6	327.9	326.3	323.1
36.5°	322.1	325.7	327.6	329.2	330.0	330.2	328.7	326.8	324.4	323.1	320.3
37°	318.9	321.9	324.7	326.2	325.7	326.8	325.5	324.1	321.2	319.7	316.8
37.5°	315.4	319.1	321.1	322.1	322.8	322.6	322.0	320.5	318.0	316.0	313.4
38°	311.4	315.3	317.7	318.8	319.4	319.8	319.9	316.8	315.0	312.6	309.6
38.5°	308.2	312.1	313.7	315.1	316.6	315.9	316.1	313.2	311.4	308.9	306.4
39°	304.8	308.3	310.6	311.7	313.1	313.4	312.0	310.2	308.0	306.1	302.7
39.5°	300.9	305.0	307.1	308.6	309.8	309.9	308.2	306.7	303.5	301.9	299.0
40°	297.2	302.1	303.7	305.1	305.7	305.7	304.4	303.1	299.6	298.7	295.5
40.5°	293.9	297.6	300.1	301.2	301.5	301.9	301.2	298.4	296.1	295.5	291.9
41°	289.9	293.5	295.9	297.7	298.4	298.6	297.4	295.6	292.1	291.0	288.2
41.5°	286.0	289.4	292.0	293.8	294.6	294.8	293.5	292.2	288.9	286.7	283.9
42°	281.9	285.8	288.4	289.7	290.8	290.0	289.5	287.4	284.8	283.0	280.0
42.5°	277.9	281.5	284.2	285.2	287.4	286.7	285.3	283.5	280.6	279.3	275.9
43°	274.0	277.4	279.8	281.3	283.0	282.3	281.5	279.3	276.6	275.0	272.0
43.5°	269.8	273.3	275.8	277.5	278.7	278.4	276.9	275.0	272.6	270.9	267.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	257.1	260.6	263.3	264.2	265.6	265.9	264.3	262.6	260.0	258.0	255.6
45.5°	252.8	256.3	258.4	260.2	261.7	261.5	260.6	258.2	255.5	253.6	251.4
46°	248.5	251.7	254.5	256.1	256.8	256.8	255.9	253.7	251.2	249.5	247.1
46.5°	243.9	247.2	250.1	251.7	253.0	252.3	251.4	249.4	246.7	244.9	242.4
47°	240.1	242.7	245.3	246.5	247.9	248.2	246.5	244.7	242.6	240.6	238.2
47.5°	235.1	238.5	240.9	241.7	243.5	243.4	242.1	240.5	237.5	236.5	233.4
48°	230.8	233.8	236.5	237.2	239.3	238.7	237.7	236.2	233.4	232.1	229.2
48.5°	226.5	229.3	231.6	233.0	234.3	234.1	233.5	231.2	229.0	227.6	224.7
49°	221.7	224.6	227.0	228.3	229.7	229.3	228.2	226.7	224.7	223.1	220.5
49.5°	217.4	220.0	222.6	224.0	225.1	225.0	223.9	222.2	220.1	218.4	215.9
50°	212.6	215.3	217.8	218.8	220.3	220.7	219.0	217.4	215.3	213.8	211.6
50.5°	208.4	211.2	213.1	214.6	215.5	215.7	214.4	212.7	210.7	209.3	207.1
51°	203.7	206.7	208.3	210.0	211.2	210.4	210.0	208.3	206.3	205.3	203.0
51.5°	199.3	202.1	204.1	205.1	206.9	206.2	205.4	203.8	201.8	200.0	198.2
52°	194.2	197.2	199.3	200.9	202.2	201.5	200.5	199.3	197.5	196.0	193.6
52.5°	189.9	192.2	194.5	195.9	197.0	196.8	196.0	194.8	192.7	191.5	189.3
53°	185.5	187.8	189.9	191.3	192.1	192.8	191.2	189.7	187.9	186.6	185.0
53.5°	180.9	183.3	185.5	186.9	187.7	187.6	186.7	185.3	183.4	182.3	180.6
54°	176.5	178.7	181.3	182.1	182.9	182.8	181.9	180.9	179.0	177.7	176.1
54.5°	172.4	174.4	176.4	177.7	178.3	178.4	177.4	176.4	174.5	173.2	171.6
55°	167.6	169.7	171.8	173.2	173.5	173.6	172.9	171.6	169.7	168.6	167.1
55.5°	163.2	165.2	167.3	168.6	169.1	169.2	168.1	167.0	165.2	164.0	162.9
56°	158.9	160.8	162.9	164.2	164.7	164.5	163.4	162.6	160.7	159.7	158.6
56.5°	154.6	156.5	158.5	159.7	160.3	160.0	159.0	158.0	156.6	155.6	154.2
57°	150.3	152.0	154.2	155.1	155.9	155.5	154.9	153.5	152.0	151.0	150.1
57.5°	145.9	147.8	150.1	150.8	151.3	151.1	150.2	149.0	147.5	146.6	145.6
58°	141.5	143.6	145.7	146.6	147.1	146.8	145.9	144.7	143.2	142.4	141.3
58.5°	137.5	139.0	141.1	142.2	143.1	142.7	141.4	140.1	138.7	138.1	137.1
59°	133.3	134.9	137.0	137.6	138.7	138.3	137.1	136.1	134.6	133.6	132.9
59.5°	129.2	130.6	132.6	133.6	134.0	133.6	133.1	131.6	130.1	129.6	128.9
60°	125.2	126.4	128.5	129.7	130.1	129.4	128.6	127.5	126.1	125.6	124.9
60.5°	121.1	122.4	124.5	125.3	126.1	125.6	124.5	123.3	122.1	121.4	120.8
61°	117.1	118.4	120.5	121.4	122.1	121.3	120.1	119.0	117.8	117.2	116.7
61.5°	113.4	114.4	116.4	117.3	117.9	117.2	116.1	115.0	113.8	113.1	112.5
62°	109.4	110.5	112.4	113.2	114.0	113.1	112.1	110.9	109.8	109.2	108.8
62.5°	105.4	106.8	108.4	109.3	110.0	109.2	108.1	107.3	105.9	105.3	105.0
63°	101.8	103.0	104.6	105.4	106.0	105.0	104.3	103.0	102.1	101.6	101.0
63.5°	98.0	99.3	100.8	101.8	102.0	101.5	100.3	99.2	98.4	97.9	97.6
64°	94.4	95.7	97.3	98.2	98.4	97.8	96.7	95.4	94.6	94.2	94.1
64.5°	90.9	92.1	93.7	94.4	94.8	94.1	93.0	91.8	90.9	90.6	90.2
65°	87.6	88.6	90.0	90.8	91.0	90.4	89.3	88.4	87.4	87.3	86.6
65.5°	84.1	85.1	86.7	87.3	87.6	86.9	85.9	84.8	83.9	83.5	83.4
66°	80.7	81.9	83.2	83.8	84.1	83.3	82.2	81.2	80.3	80.1	79.7



TEST NUMBER: P639514

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	71.3	72.3	73.7	74.4	73.9	73.4	72.4	71.4	70.5	70.2	70.0
68°	68.4	69.3	70.5	71.2	70.9	70.3	69.3	68.0	67.3	67.1	66.9
68.5°	65.4	66.4	67.4	68.2	67.8	67.1	66.0	64.9	64.1	64.1	63.7
69°	62.3	63.4	64.5	65.1	64.9	64.2	63.1	62.1	61.3	61.0	60.6
69.5°	59.4	60.5	61.6	62.2	62.2	61.3	60.3	59.1	58.3	58.1	57.8
70°	56.7	57.7	58.9	59.3	59.4	58.7	57.5	56.5	55.6	55.3	55.2
70.5°	54.0	54.9	56.0	56.5	56.7	55.9	54.9	53.8	52.9	52.6	52.4
71°	51.3	52.3	53.2	53.9	54.0	53.2	52.2	51.1	50.3	50.0	49.7
71.5°	48.5	49.7	50.5	51.0	51.3	50.5	49.4	48.6	47.5	47.1	47.1
72°	46.1	46.9	47.8	48.4	48.8	48.0	46.8	45.9	45.0	44.7	44.5
72.5°	43.4	44.2	45.3	45.7	46.2	45.5	44.4	43.3	42.6	42.2	42.0
73°	41.0	42.0	42.7	43.1	43.7	42.9	41.9	40.9	40.2	39.7	39.5
73.5°	38.7	39.7	40.4	40.7	41.3	40.6	39.5	38.5	37.7	37.4	37.1
74°	36.5	37.4	38.1	38.4	39.1	38.2	37.2	36.2	35.4	34.9	34.6
74.5°	34.3	35.2	35.9	36.2	36.8	35.9	34.9	34.0	33.2	32.8	32.6
75°	32.3	33.2	33.8	33.9	34.6	33.8	32.8	31.9	31.0	30.6	30.5
75.5°	30.2	31.0	31.8	31.9	32.4	31.8	30.7	29.9	29.0	28.6	28.5
76°	28.4	29.1	29.7	29.8	30.4	29.7	28.7	27.9	27.1	26.7	26.5
76.5°	26.5	27.3	27.8	27.9	28.5	27.8	26.8	25.9	25.1	24.7	24.5
77°	24.8	25.6	26.0	26.2	26.5	25.9	24.9	24.1	23.3	23.0	22.7
77.5°	23.1	23.8	24.3	24.4	24.8	24.1	23.2	22.4	21.7	21.2	21.1
78°	21.5	22.1	22.7	22.7	23.0	22.4	21.7	20.8	20.1	19.6	19.4
78.5°	20.0	20.7	21.2	21.2	21.4	20.7	20.1	19.3	18.5	18.2	18.0
79°	18.7	19.3	19.6	19.6	19.8	19.3	18.5	18.1	17.3	16.9	16.7
79.5°	17.5	18.1	18.5	18.5	18.3	18.0	17.4	16.6	15.9	15.6	15.3
80°	16.2	16.8	17.1	17.1	17.1	16.7	16.0	15.3	14.7	14.4	14.1
80.5°	15.0	15.6	15.9	15.9	15.9	15.4	14.8	14.3	13.7	13.3	13.0
81°	14.0	14.5	14.7	14.7	14.6	14.3	13.7	13.1	12.6	12.2	11.9
81.5°	12.9	13.3	13.7	13.7	13.4	13.1	12.5	12.1	11.6	11.3	11.1
82°	12.0	12.4	12.7	12.6	12.4	12.1	11.6	11.1	10.8	10.5	10.2
82.5°	11.1	11.5	11.7	11.7	11.4	11.1	10.8	10.3	9.9	9.6	9.3
83°	10.3	10.7	11.0	11.0	10.7	10.3	10.0	9.6	9.1	8.8	8.5
83.5°	9.5	9.8	10.1	10.1	9.8	9.5	9.2	8.7	8.3	7.9	7.6
84°	8.8	9.1	9.4	9.4	9.1	8.8	8.4	7.9	7.5	7.2	6.9
84.5°	7.9	8.3	8.6	8.6	8.3	8.1	7.6	7.2	6.7	6.4	6.1
85°	7.2	7.6	7.9	7.9	7.6	7.3	6.8	6.5	6.0	5.6	5.2
85.5°	6.3	6.8	7.1	7.1	6.8	6.6	6.2	5.6	5.1	4.9	4.5
86°	5.6	6.0	6.3	6.3	6.0	5.8	5.4	4.9	4.5	4.0	4.0
86.5°	4.8	5.3	5.6	5.6	5.3	5.0	4.7	4.2	4.0	3.4	3.0
87°	4.0	4.6	4.8	4.9	4.7	4.4	4.0	3.4	3.0	2.6	2.2
87.5°	3.4	3.9	4.1	4.2	4.0	3.9	3.2	2.8	2.3	1.8	1.6
88°	2.6	3.1	3.4	3.5	3.2	3.0	2.5	2.0	1.5	1.2	0.8
88.5°	2.0	2.4	2.7	2.7	2.5	2.2	1.8	1.4	0.9	0.5	0.4



TEST NUMBER: P639514

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -2700K

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: P639514

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	445.0	445.0	445.0	445.0	445.0	445.0
0.5°	444.6	444.5	445.0	445.5	444.4	444.4
1°	444.3	444.0	444.2	445.0	444.6	444.3
1.5°	444.1	443.7	444.0	444.4	445.2	444.3
2°	444.0	443.2	444.0	444.4	445.2	443.4
2.5°	443.3	442.4	443.6	444.5	444.2	443.4
3°	443.3	442.4	443.1	444.0	443.7	443.4
3.5°	443.2	442.1	443.1	443.7	443.4	443.1
4°	443.0	442.4	442.6	443.1	443.2	441.9
4.5°	442.7	442.4	442.8	442.8	442.5	441.5
5°	442.9	441.8	441.2	442.3	441.8	441.3
5.5°	442.4	440.7	441.1	441.2	440.8	440.4
6°	440.3	439.6	440.0	441.1	440.8	440.4
6.5°	439.4	438.9	439.9	440.2	439.3	440.3
7°	438.9	438.8	439.2	439.4	439.1	439.1
7.5°	438.3	437.6	437.3	439.0	438.6	438.2
8°	438.2	437.1	436.8	437.9	437.9	437.6
8.5°	436.6	435.8	436.1	437.1	437.2	437.3
9°	436.0	435.0	434.6	435.7	436.2	436.1
9.5°	435.2	433.9	434.1	435.0	435.6	434.8
10°	434.2	433.4	434.0	434.4	434.5	434.7
10.5°	432.9	432.5	432.5	433.1	433.7	433.2
11°	432.8	432.2	432.1	432.1	431.7	432.2
11.5°	431.3	431.2	431.2	430.8	431.0	431.2
12°	430.8	429.3	428.6	429.6	430.1	429.8
12.5°	428.9	428.0	427.3	428.6	428.5	428.5
13°	427.0	426.4	426.6	427.6	427.5	428.2
13.5°	426.1	425.0	425.8	426.4	426.3	426.5
14°	425.4	423.3	424.3	424.9	425.1	425.4
14.5°	423.7	422.4	422.7	423.2	422.9	424.0
15°	422.2	420.5	421.7	421.2	422.5	422.9
15.5°	420.2	418.8	419.3	419.9	420.8	421.4
16°	418.6	417.1	417.9	417.9	419.0	419.6
16.5°	417.4	415.5	416.3	417.9	417.3	417.8
17°	415.7	414.0	414.8	415.7	416.5	416.4
17.5°	414.1	412.8	413.8	412.9	414.2	414.4
18°	412.9	410.7	411.6	411.7	412.0	413.0
18.5°	410.3	409.7	409.0	409.6	410.8	410.3
19°	408.9	408.1	407.3	409.0	409.0	409.3
19.5°	407.1	406.0	405.4	406.4	407.6	408.0
20°	405.1	404.3	403.5	404.8	405.6	406.5
20.5°	402.5	402.2	401.8	403.4	404.0	404.8
21°	400.9	400.0	400.0	400.6	401.3	402.5



TEST NUMBER: P639514

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	395.2	392.7	393.2	394.8	394.8	396.8
23°	392.6	390.8	390.8	392.7	393.5	395.0
23.5°	390.9	388.4	389.0	390.3	391.2	393.0
24°	388.3	386.5	386.8	387.4	388.7	391.1
24.5°	386.1	383.6	384.4	385.7	386.7	388.1
25°	383.6	380.9	382.0	383.8	384.7	386.8
25.5°	380.9	379.1	379.3	381.1	382.1	383.6
26°	378.8	376.5	377.2	378.5	380.2	381.6
26.5°	376.4	373.8	375.0	376.0	377.2	380.0
27°	373.7	371.5	372.0	373.6	374.8	376.2
27.5°	371.0	368.8	369.4	371.3	372.6	373.6
28°	368.7	367.0	367.0	369.7	369.7	371.0
28.5°	366.2	364.0	364.4	366.4	367.0	368.4
29°	363.1	361.2	361.7	363.6	364.4	365.8
29.5°	360.1	357.8	359.0	360.4	361.7	363.4
30°	357.5	355.6	355.9	358.0	359.2	360.7
30.5°	354.8	352.9	353.3	355.4	356.2	357.5
31°	352.1	350.4	350.4	352.7	353.4	354.3
31.5°	349.5	347.5	347.5	349.4	350.7	351.8
32°	345.9	344.6	344.3	346.4	348.0	349.2
32.5°	342.8	341.4	341.4	343.1	345.1	346.5
33°	339.8	337.7	338.6	340.5	342.3	343.7
33.5°	336.9	335.3	335.8	337.6	339.2	340.8
34°	334.1	331.8	332.5	334.3	336.3	337.9
34.5°	331.1	328.9	329.5	331.6	333.2	334.7
35°	328.3	326.1	326.5	328.4	330.3	331.5
35.5°	325.0	323.4	323.4	325.0	326.6	328.6
36°	321.2	320.1	320.5	322.2	323.8	324.9
36.5°	318.3	316.7	316.8	318.7	320.1	322.1
37°	315.5	313.6	313.1	315.6	317.3	318.9
37.5°	312.1	309.9	310.0	311.8	314.1	315.4
38°	308.3	306.2	307.0	308.6	310.6	311.4
38.5°	304.8	302.5	303.8	305.3	306.7	308.2
39°	301.3	299.2	299.8	301.7	303.2	304.8
39.5°	297.2	296.1	296.4	298.5	299.5	300.9
40°	293.8	292.4	292.4	294.8	296.1	297.2
40.5°	290.2	288.8	289.3	291.0	292.0	293.9
41°	286.0	284.7	285.5	287.4	288.4	289.9
41.5°	282.6	280.1	281.8	283.6	284.7	286.0
42°	278.9	276.4	278.2	279.4	280.7	281.9
42.5°	274.4	272.8	273.7	275.2	277.2	277.9
43°	270.5	268.9	269.3	271.4	272.9	274.0
43.5°	266.2	265.0	265.0	267.3	268.9	269.8



TEST NUMBER: P639514

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	254.2	252.0	252.9	254.9	256.3	257.1
45.5°	249.8	247.9	248.7	250.7	251.7	252.8
46°	245.5	243.7	244.5	247.1	248.1	248.5
46.5°	240.9	239.6	240.8	242.3	243.3	243.9
47°	236.9	235.3	236.0	237.9	239.1	240.1
47.5°	232.4	231.0	232.1	233.9	234.4	235.1
48°	228.2	226.8	227.4	229.8	230.4	230.8
48.5°	223.6	222.4	223.4	224.7	225.7	226.5
49°	218.9	217.9	219.2	220.8	221.4	221.7
49.5°	214.6	213.8	214.8	216.5	216.6	217.4
50°	210.7	209.2	211.1	212.1	212.1	212.6
50.5°	205.8	205.0	206.3	207.8	208.3	208.4
51°	201.4	200.7	202.2	203.4	203.8	203.7
51.5°	197.0	196.7	197.3	199.1	199.3	199.3
52°	192.8	192.1	193.2	194.7	194.4	194.2
52.5°	188.3	187.9	189.1	190.2	190.0	189.9
53°	184.1	183.4	185.1	186.1	185.8	185.5
53.5°	179.7	179.0	180.4	181.5	181.4	180.9
54°	175.4	174.9	175.9	177.5	176.7	176.5
54.5°	171.1	170.3	171.3	173.1	172.6	172.4
55°	166.8	166.4	167.4	168.5	168.0	167.6
55.5°	162.5	161.9	163.1	163.9	163.7	163.2
56°	158.4	157.7	158.5	159.8	159.3	158.9
56.5°	154.1	153.2	154.2	155.8	155.3	154.6
57°	150.0	149.2	150.4	151.4	151.0	150.3
57.5°	145.5	144.6	146.2	146.9	146.4	145.9
58°	141.2	140.6	141.9	142.7	142.3	141.5
58.5°	137.2	136.5	137.7	138.7	137.9	137.5
59°	133.1	132.7	133.4	134.6	133.8	133.3
59.5°	128.9	128.4	129.7	130.4	129.8	129.2
60°	125.0	124.4	125.4	126.6	125.6	125.2
60.5°	121.1	120.4	121.4	122.4	121.7	121.1
61°	117.2	116.6	117.6	118.4	117.9	117.1
61.5°	113.0	112.9	113.8	114.5	113.9	113.4
62°	109.1	108.8	110.0	110.4	109.7	109.4
62.5°	105.4	105.1	106.1	106.6	105.9	105.4
63°	101.5	101.5	102.3	103.1	102.3	101.8
63.5°	97.8	97.9	98.9	99.2	98.6	98.0
64°	94.1	94.4	95.0	95.7	94.9	94.4
64.5°	90.4	90.6	91.5	92.0	91.3	90.9
65°	87.1	87.3	88.0	88.4	87.7	87.6
65.5°	83.7	83.8	84.8	84.8	84.4	84.1
66°	80.1	80.2	81.2	81.7	81.0	80.7

TEST NUMBER: P639514

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	70.5	70.6	71.4	71.7	71.5	71.3
68°	67.3	67.6	68.4	68.6	68.4	68.4
68.5°	64.2	64.5	65.1	65.5	65.4	65.4
69°	61.0	61.3	62.0	62.5	62.3	62.3
69.5°	58.1	58.4	59.0	59.4	59.3	59.4
70°	55.5	55.3	56.1	56.7	56.5	56.7
70.5°	52.9	52.4	53.4	53.8	53.9	54.0
71°	50.0	49.7	50.3	51.0	51.2	51.3
71.5°	47.4	47.0	47.7	48.2	48.4	48.5
72°	44.7	44.3	45.0	45.5	45.8	46.1
72.5°	42.3	41.7	42.3	42.9	43.1	43.4
73°	39.7	39.0	39.6	40.3	40.6	41.0
73.5°	37.3	36.5	37.1	37.8	38.3	38.7
74°	35.0	34.2	34.8	35.5	35.9	36.5
74.5°	32.6	32.0	32.5	33.2	33.8	34.3
75°	30.6	29.9	30.4	31.1	31.7	32.3
75.5°	28.5	27.8	28.4	29.1	29.6	30.2
76°	26.5	25.9	26.4	27.1	27.8	28.4
76.5°	24.6	24.1	24.5	25.2	25.9	26.5
77°	22.7	22.4	22.7	23.5	24.1	24.8
77.5°	21.1	20.7	21.1	21.7	22.4	23.1
78°	19.4	19.1	19.5	20.2	20.9	21.5
78.5°	18.0	17.8	18.2	18.8	19.4	20.0
79°	16.6	16.5	16.9	17.5	18.2	18.7
79.5°	15.3	15.2	15.5	16.2	16.9	17.5
80°	14.0	14.0	14.4	15.0	15.6	16.2
80.5°	12.9	13.0	13.3	13.9	14.5	15.0
81°	11.8	12.1	12.4	12.8	13.4	14.0
81.5°	11.0	11.2	11.5	12.0	12.4	12.9
82°	10.1	10.4	10.7	11.1	11.6	12.0
82.5°	9.2	9.5	9.8	10.2	10.7	11.1
83°	8.5	8.6	8.9	9.4	9.8	10.3
83.5°	7.6	7.9	8.1	8.6	9.1	9.5
84°	6.7	7.1	7.3	7.8	8.2	8.8
84.5°	6.0	6.3	6.5	7.0	7.5	7.9
85°	5.1	5.4	5.8	6.2	6.6	7.2
85.5°	4.3	4.7	5.0	5.4	5.9	6.3
86°	3.7	4.0	4.3	4.6	5.1	5.6
86.5°	3.0	3.1	3.5	3.9	4.4	4.8
87°	2.1	2.4	2.7	3.1	3.7	4.0
87.5°	1.4	1.7	2.1	2.4	2.8	3.4
88°	0.7	1.0	1.2	1.7	2.2	2.6
88.5°	0.2	0.5	0.7	1.0	1.4	2.0



TEST NUMBER: P639514

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -2700K

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°	401.1	403.2	404.5	405.9	406.2	406.8	406.5	404.3	402.8	402.2	400.3
22°	398.6	400.9	402.0	404.2	404.0	405.2	404.2	403.0	400.9	400.4	398.0



44°	265.3	269.1	271.7	273.6	274.4	274.5	272.9	271.1	268.3	266.7	263.9
44.5°	261.7	264.8	266.8	269.0	269.9	269.6	269.1	267.0	264.4	261.9	259.3



66.5°	77.5	78.6	79.8	80.6	80.5	79.8	78.9	77.8	76.9	76.7	76.4
67°	74.5	75.3	76.6	77.3	77.4	76.4	75.4	74.5	73.6	73.5	73.1



89°	1.2	1.7	2.0	2.1	1.8	1.6	1.2	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°	399.2	397.4	397.7	398.5	399.6	401.1
22°	396.5	394.7	395.9	396.8	397.2	398.6



44°	262.2	260.6	261.1	263.5	264.9	265.3
44.5°	258.4	256.1	256.9	259.7	260.5	261.7



66.5°	76.8	77.0	77.8	78.2	77.7	77.5
67°	73.6	73.8	74.6	75.0	74.6	74.5

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89°	0.0	0.1	0.2	0.5	0.8	1.2
89.5°	0.0	0.0	0.0	0.1	0.3	0.6

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(END OF REPORT)