

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: P639518

Luminaire Tested: RL6LS9FSD2W1EWHDM -900LM -5000K

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-2019
Report Number: P639518
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 -5000K
Description: 6IN DIRECT MOUNT, SELECTABLE LUMEN AND CCT, MATTE WHITE BAFFLE
Light Source: (1) SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

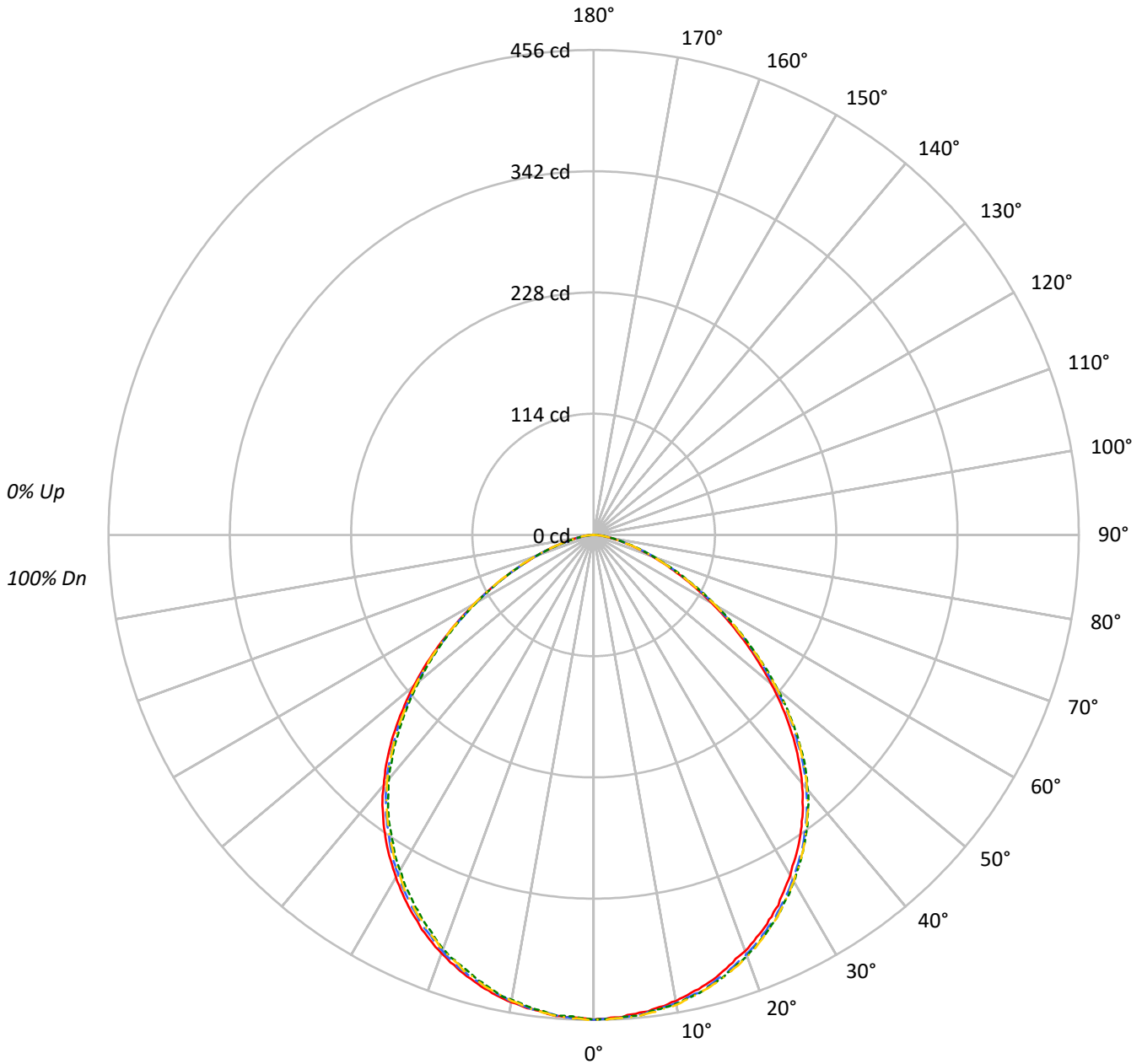
Lumens per Lamp: N/A
Luminaire Lumens: 1055.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24987	24987	24987	24987
5°	24873	24972	24934	24906
10°	24782	24910	24838	24710
15°	24586	24813	24654	24444
20°	24292	24590	24420	24158
25°	23959	24261	24026	23596
30°	23390	23852	23529	23054
35°	22720	23236	22881	22352
40°	21784	22406	21963	21433
45°	20413	21095	20646	20010
50°	18575	19249	18814	18268
55°	16410	16984	16611	16286
60°	14056	14615	14166	13968
65°	11635	12089	11610	11597
70°	9312	9761	9136	9072
75°	7011	7498	6736	6481
80°	5241	5525	4767	4546
85°	4592	4843	3837	3459

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°
 Vertical Angle: 45°
 Luminance: 21118 cd/sqm



TEST NUMBER: P639518

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	4.1
10°-20°	122.4	11.6
20°-30°	182.6	17.3
30°-40°	213.0	20.2
40°-50°	204.1	19.3
50°-60°	155.5	14.7
60°-70°	90.6	8.6
70°-80°	36.1	3.4
80°-90°	7.6	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°	348.0	33.0
0°-40°	561.1	53.2
0°-60°	920.7	87.3
0°-90°	1055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1055.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	456	456	456	456	456	
5°	452	454	453	453	452	43
15°	433	437	434	431	433	122
25°	396	401	397	390	396	182
35°	340	347	342	334	340	212
45°	263	272	266	258	263	202
55°	172	178	174	170	172	154
65°	90	93	90	89	90	90
75°	33	35	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°	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8
0.5°	455.1	455.8	455.8	455.8	455.5	455.8	456.1	455.4	455.2	455.7	455.7
1°	455.1	455.6	455.4	455.5	455.5	455.7	456.5	456.0	454.8	455.6	455.3
1.5°	455.1	455.5	455.1	455.8	455.4	455.5	456.1	456.2	454.3	455.4	455.1
2°	454.2	455.3	454.9	455.8	455.3	454.7	455.2	456.1	454.3	455.5	455.4
2.5°	454.1	455.8	455.1	455.5	455.1	455.1	455.2	455.2	454.1	455.1	455.1
3°	454.2	455.3	455.0	455.9	454.7	455.4	455.1	455.1	454.0	454.7	454.2
3.5°	453.9	454.8	454.4	455.9	454.0	455.4	455.1	455.4	454.0	455.0	454.4
4°	452.6	454.3	454.4	455.4	454.0	455.5	455.0	454.1	453.5	455.5	453.2
4.5°	452.2	453.8	453.8	454.3	453.8	455.3	454.8	453.7	453.9	454.8	453.2
5°	452.0	454.0	453.3	454.2	453.8	454.7	454.4	453.7	453.1	453.3	452.2
5.5°	451.1	453.9	453.3	453.8	453.9	453.4	454.2	453.5	452.4	453.1	451.5
6°	451.1	453.0	453.0	453.2	453.4	453.2	453.5	452.8	451.3	453.0	451.3
6.5°	451.0	451.6	451.5	452.9	452.0	452.4	452.7	451.9	450.6	451.5	451.0
7°	449.7	451.3	451.3	452.2	450.8	452.0	452.2	451.5	450.1	451.3	450.3
7.5°	448.8	450.2	450.5	451.8	450.2	450.8	452.2	451.2	449.4	450.5	449.7
8°	448.2	449.5	449.7	450.7	450.2	450.1	451.0	450.2	449.4	449.3	448.3
8.5°	447.9	448.9	448.9	450.5	449.2	450.1	450.3	450.0	448.5	448.7	447.6
9°	446.7	448.7	448.5	449.1	449.0	449.3	449.6	449.0	447.4	447.9	446.9
9.5°	445.4	447.8	447.7	448.9	448.3	448.3	449.4	448.5	446.6	447.7	446.1
10°	445.2	446.5	447.1	447.9	447.5	447.6	448.7	447.2	446.2	446.4	445.5
10.5°	443.7	446.2	445.9	446.7	447.3	447.2	447.8	446.3	445.4	446.0	444.0
11°	442.7	444.7	445.1	446.5	445.5	445.4	446.1	445.4	444.3	443.9	442.6
11.5°	441.7	443.5	443.7	444.7	444.7	444.5	445.4	444.0	443.3	443.6	441.8
12°	440.2	442.7	442.7	443.7	443.8	444.5	444.8	443.1	442.2	442.2	440.8
12.5°	438.9	441.5	441.9	442.9	442.7	443.8	443.1	442.3	441.2	441.4	439.4
13°	438.6	440.3	441.9	441.5	442.2	442.5	442.2	440.8	439.7	440.8	438.3
13.5°	436.9	438.4	439.9	440.8	440.8	441.3	440.8	440.2	438.8	439.0	436.5
14°	435.8	437.4	438.3	439.1	439.7	440.0	439.8	438.8	437.6	436.9	435.4
14.5°	434.3	436.9	436.9	438.3	437.9	439.4	438.7	437.6	435.8	436.0	433.7
15°	433.2	435.4	435.5	437.2	437.2	437.4	437.2	436.0	434.4	434.3	432.9
15.5°	431.6	433.0	433.7	436.0	435.3	435.8	436.2	434.5	433.0	432.9	431.5
16°	429.7	431.6	432.3	434.1	434.2	434.6	434.9	433.6	431.9	431.0	430.0
16.5°	427.9	430.6	431.0	432.3	432.6	432.6	433.3	432.0	430.2	429.8	428.0
17°	426.5	428.3	430.0	431.2	430.4	431.7	431.2	430.0	428.7	428.1	427.1
17.5°	424.4	427.8	427.9	429.0	429.6	430.1	430.0	428.7	427.0	426.2	425.6
18°	423.0	425.8	426.3	427.1	427.9	427.9	428.2	428.2	425.0	425.2	423.4
18.5°	420.3	423.1	424.6	426.9	425.8	426.9	427.1	425.7	424.0	423.6	421.5
19°	419.3	421.8	422.8	424.7	424.7	425.4	425.4	423.8	421.9	421.3	420.1
19.5°	417.9	420.1	421.5	422.1	422.9	423.3	423.3	422.2	420.1	419.4	418.2
20°	416.4	419.2	419.7	420.8	421.5	421.5	421.5	420.0	418.6	418.3	416.0
20.5°	414.7	416.9	417.9	419.0	419.1	419.7	420.3	418.1	416.5	415.7	414.6
21°	412.2	415.4	416.0	417.0	417.7	417.9	418.8	416.6	414.9	414.0	411.9



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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°	406.5	409.3	410.0	412.2	411.4	412.4	412.3	410.5	408.6	407.9	405.3
23°	404.6	407.0	407.6	409.4	410.1	410.8	409.9	408.6	406.4	405.1	403.6
23.5°	402.6	405.0	406.1	407.4	407.5	408.6	407.9	406.5	404.7	403.0	401.9
24°	400.6	402.6	403.5	404.7	405.6	406.5	405.8	404.5	402.2	401.2	399.3
24.5°	397.5	400.1	401.7	402.9	403.2	404.3	403.7	402.0	399.4	399.4	396.6
25°	396.1	397.9	400.1	400.7	401.1	401.6	401.4	399.8	397.2	396.6	394.0
25.5°	392.9	395.8	397.4	398.7	399.2	399.0	399.1	397.2	395.1	393.6	391.5
26°	390.8	393.3	394.7	396.2	396.9	396.8	396.8	394.6	392.7	391.5	389.6
26.5°	389.3	390.7	392.5	393.6	394.4	395.1	394.0	392.2	390.2	389.3	386.7
27°	385.3	388.7	389.7	391.5	391.7	392.4	391.5	390.4	387.5	386.5	384.2
27.5°	382.7	386.5	387.2	388.8	388.9	389.5	389.4	387.6	385.1	384.1	381.8
28°	380.1	383.3	384.5	386.4	386.5	386.8	386.2	384.8	382.4	381.7	379.2
28.5°	377.3	380.4	382.4	383.6	384.9	384.0	383.9	382.1	379.9	378.9	376.4
29°	374.7	377.7	379.7	380.7	382.0	381.6	381.2	379.6	376.9	376.1	373.6
29.5°	372.2	375.2	376.8	378.4	378.8	378.8	378.5	376.8	374.7	372.9	370.9
30°	369.5	373.0	374.2	375.8	376.8	376.2	376.1	374.0	371.7	370.0	367.5
30.5°	366.2	370.2	371.6	372.9	373.9	373.6	372.9	371.2	368.8	367.6	365.4
31°	362.9	366.7	368.7	370.2	370.4	370.8	370.2	368.5	366.0	364.8	362.4
31.5°	360.4	364.5	365.8	367.4	367.8	367.9	367.7	365.7	363.0	362.2	359.8
32°	357.7	361.6	363.2	364.3	365.0	365.8	365.0	362.8	360.3	359.7	356.6
32.5°	354.9	358.5	360.3	361.6	362.4	362.2	362.2	359.9	357.8	355.9	353.5
33°	352.1	355.4	357.5	358.6	359.4	359.4	359.0	356.8	354.7	352.9	350.6
33.5°	349.0	352.6	354.7	355.8	356.6	356.5	356.3	353.7	351.6	349.8	347.2
34°	346.1	349.6	351.8	353.1	353.2	353.2	353.2	351.0	348.7	346.8	343.8
34.5°	342.9	345.9	348.6	350.1	350.5	350.2	350.1	348.3	345.3	343.5	340.4
35°	339.5	343.3	345.2	347.3	347.2	347.5	346.5	345.0	341.9	340.4	337.4
35.5°	336.6	340.0	342.1	343.6	344.1	344.5	343.3	342.6	339.1	337.5	334.5
36°	332.8	336.7	339.0	340.2	341.3	341.7	339.8	338.6	335.8	334.3	331.0
36.5°	330.0	333.6	335.6	337.2	338.0	338.2	336.7	334.7	332.3	330.9	328.1
37°	326.6	329.7	332.5	334.1	333.6	334.7	333.4	331.9	328.9	327.5	324.5
37.5°	323.1	326.8	328.9	329.9	330.7	330.4	329.8	328.2	325.7	323.7	321.0
38°	318.9	322.9	325.4	326.5	327.2	327.5	327.7	324.5	322.6	320.2	317.2
38.5°	315.7	319.7	321.3	322.7	324.3	323.6	323.8	320.8	318.9	316.4	313.8
39°	312.2	315.8	318.2	319.3	320.7	321.0	319.6	317.8	315.5	313.5	310.0
39.5°	308.2	312.4	314.6	316.1	317.3	317.4	315.7	314.2	310.8	309.2	306.2
40°	304.4	309.4	311.1	312.5	313.1	313.1	311.8	310.4	306.9	306.0	302.7
40.5°	301.1	304.8	307.4	308.6	308.9	309.3	308.5	305.7	303.3	302.7	298.9
41°	296.9	300.6	303.1	304.9	305.7	305.8	304.6	302.8	299.2	298.1	295.2
41.5°	292.9	296.4	299.1	300.9	301.8	301.9	300.6	299.3	295.9	293.6	290.7
42°	288.8	292.7	295.4	296.8	297.9	297.0	296.5	294.4	291.7	289.9	286.8
42.5°	284.6	288.3	291.1	292.1	294.4	293.6	292.2	290.4	287.4	286.1	282.6
43°	280.7	284.2	286.6	288.2	289.9	289.2	288.3	286.1	283.3	281.7	278.6
43.5°	276.4	280.0	282.5	284.3	285.5	285.2	283.6	281.7	279.3	277.5	274.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	263.3	266.9	269.7	270.7	272.1	272.4	270.7	268.9	266.3	264.3	261.8
45.5°	258.9	262.5	264.6	266.5	268.0	267.8	266.9	264.5	261.7	259.8	257.5
46°	254.6	257.8	260.7	262.3	263.1	263.1	262.1	259.9	257.3	255.6	253.1
46.5°	249.8	253.2	256.1	257.8	259.1	258.5	257.5	255.4	252.7	250.9	248.3
47°	245.9	248.6	251.2	252.5	253.9	254.2	252.5	250.7	248.5	246.4	244.0
47.5°	240.8	244.3	246.8	247.6	249.4	249.3	248.0	246.4	243.2	242.2	239.1
48°	236.4	239.5	242.2	242.9	245.1	244.5	243.5	241.9	239.1	237.7	234.8
48.5°	232.0	234.9	237.2	238.6	240.0	239.8	239.2	236.8	234.6	233.2	230.1
49°	227.1	230.0	232.5	233.9	235.3	234.9	233.8	232.2	230.1	228.5	225.8
49.5°	222.7	225.3	228.0	229.5	230.6	230.5	229.3	227.6	225.4	223.7	221.1
50°	217.8	220.5	223.1	224.1	225.7	226.0	224.3	222.7	220.6	219.0	216.7
50.5°	213.5	216.4	218.2	219.8	220.7	221.0	219.6	217.8	215.8	214.4	212.1
51°	208.6	211.7	213.4	215.1	216.4	215.5	215.1	213.4	211.3	210.3	207.9
51.5°	204.1	207.0	209.0	210.1	211.9	211.2	210.4	208.7	206.7	204.9	203.0
52°	198.9	202.0	204.1	205.7	207.1	206.4	205.3	204.1	202.3	200.7	198.3
52.5°	194.6	196.9	199.2	200.7	201.8	201.6	200.8	199.5	197.4	196.1	193.9
53°	190.0	192.4	194.5	196.0	196.7	197.4	195.9	194.3	192.4	191.1	189.5
53.5°	185.3	187.8	190.0	191.4	192.2	192.1	191.2	189.8	187.8	186.7	185.0
54°	180.8	183.0	185.6	186.5	187.3	187.2	186.3	185.3	183.4	182.0	180.3
54.5°	176.6	178.6	180.6	182.1	182.6	182.7	181.7	180.7	178.7	177.4	175.8
55°	171.7	173.9	176.0	177.4	177.7	177.8	177.1	175.8	173.8	172.7	171.1
55.5°	167.1	169.2	171.4	172.7	173.2	173.3	172.2	171.0	169.2	168.0	166.9
56°	162.8	164.7	166.9	168.1	168.7	168.5	167.4	166.6	164.6	163.5	162.4
56.5°	158.4	160.3	162.4	163.6	164.2	163.9	162.8	161.8	160.4	159.4	158.0
57°	153.9	155.7	158.0	158.8	159.7	159.2	158.7	157.2	155.6	154.6	153.8
57.5°	149.4	151.4	153.8	154.5	154.9	154.8	153.8	152.6	151.1	150.2	149.2
58°	144.9	147.1	149.2	150.2	150.6	150.3	149.4	148.2	146.7	145.9	144.7
58.5°	140.8	142.4	144.6	145.6	146.6	146.1	144.8	143.5	142.1	141.4	140.4
59°	136.5	138.1	140.3	141.0	142.1	141.7	140.4	139.4	137.8	136.9	136.1
59.5°	132.4	133.8	135.8	136.9	137.2	136.8	136.3	134.8	133.3	132.8	132.0
60°	128.2	129.5	131.7	132.8	133.3	132.5	131.7	130.6	129.2	128.6	127.9
60.5°	124.1	125.4	127.5	128.4	129.2	128.6	127.5	126.3	125.0	124.4	123.7
61°	119.9	121.3	123.5	124.4	125.0	124.2	123.1	121.9	120.6	120.1	119.5
61.5°	116.1	117.2	119.2	120.2	120.7	120.0	118.9	117.7	116.6	115.9	115.2
62°	112.0	113.2	115.1	116.0	116.8	115.8	114.8	113.6	112.4	111.9	111.4
62.5°	108.0	109.4	111.0	112.0	112.7	111.8	110.7	109.9	108.5	107.8	107.5
63°	104.2	105.5	107.1	108.0	108.6	107.6	106.8	105.5	104.5	104.1	103.5
63.5°	100.4	101.7	103.3	104.3	104.5	103.9	102.7	101.7	100.8	100.3	99.9
64°	96.7	98.0	99.6	100.6	100.8	100.2	99.1	97.7	96.9	96.5	96.3
64.5°	93.1	94.3	96.0	96.7	97.1	96.3	95.2	94.1	93.1	92.8	92.4
65°	89.7	90.8	92.2	93.0	93.2	92.6	91.4	90.6	89.5	89.4	88.7
65.5°	86.1	87.1	88.8	89.5	89.7	89.0	88.0	86.9	85.9	85.5	85.4
66°	82.7	83.8	85.2	85.9	86.2	85.3	84.2	83.1	82.3	82.0	81.7



TEST NUMBER: P639518

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	73.1	74.1	75.5	76.2	75.7	75.2	74.2	73.1	72.2	71.9	71.7
68°	70.0	70.9	72.2	73.0	72.7	72.0	70.9	69.7	68.9	68.8	68.5
68.5°	67.0	68.0	69.0	69.9	69.5	68.8	67.6	66.5	65.6	65.6	65.2
69°	63.8	64.9	66.0	66.7	66.5	65.8	64.6	63.6	62.7	62.4	62.1
69.5°	60.9	62.0	63.1	63.7	63.8	62.8	61.7	60.6	59.7	59.5	59.2
70°	58.1	59.1	60.3	60.7	60.9	60.1	58.9	57.8	57.0	56.6	56.5
70.5°	55.3	56.3	57.4	57.9	58.1	57.3	56.3	55.1	54.2	53.9	53.7
71°	52.5	53.6	54.5	55.2	55.3	54.5	53.4	52.4	51.5	51.2	50.9
71.5°	49.7	50.9	51.7	52.3	52.6	51.7	50.6	49.8	48.7	48.3	48.2
72°	47.2	48.1	49.0	49.5	50.0	49.1	48.0	47.0	46.1	45.8	45.6
72.5°	44.5	45.3	46.4	46.8	47.3	46.6	45.5	44.4	43.7	43.2	43.0
73°	42.0	43.0	43.8	44.1	44.8	44.0	42.9	41.9	41.2	40.7	40.5
73.5°	39.6	40.6	41.3	41.7	42.3	41.6	40.5	39.5	38.6	38.3	38.0
74°	37.4	38.3	39.1	39.3	40.1	39.1	38.1	37.1	36.3	35.8	35.5
74.5°	35.2	36.1	36.7	37.0	37.7	36.7	35.8	34.8	34.0	33.6	33.4
75°	33.1	34.0	34.6	34.8	35.4	34.6	33.6	32.7	31.8	31.3	31.3
75.5°	30.9	31.8	32.6	32.7	33.2	32.6	31.4	30.6	29.7	29.3	29.1
76°	29.1	29.8	30.4	30.6	31.1	30.4	29.4	28.6	27.7	27.3	27.1
76.5°	27.2	28.0	28.5	28.6	29.1	28.4	27.4	26.5	25.7	25.3	25.1
77°	25.4	26.2	26.6	26.8	27.2	26.5	25.6	24.7	23.8	23.5	23.3
77.5°	23.7	24.4	24.9	25.0	25.4	24.7	23.8	23.0	22.2	21.7	21.6
78°	22.0	22.7	23.2	23.3	23.6	23.0	22.2	21.3	20.6	20.1	19.8
78.5°	20.5	21.3	21.7	21.7	22.0	21.3	20.5	19.8	19.0	18.7	18.4
79°	19.1	19.8	20.1	20.1	20.3	19.8	18.9	18.5	17.7	17.3	17.1
79.5°	17.9	18.5	18.9	18.9	18.8	18.4	17.8	17.0	16.3	15.9	15.7
80°	16.6	17.2	17.5	17.5	17.5	17.1	16.4	15.7	15.1	14.8	14.5
80.5°	15.4	15.9	16.3	16.3	16.3	15.8	15.2	14.6	14.0	13.6	13.3
81°	14.3	14.8	15.1	15.1	15.0	14.6	14.0	13.4	12.9	12.5	12.2
81.5°	13.2	13.7	14.0	14.0	13.8	13.4	12.8	12.3	11.9	11.6	11.3
82°	12.3	12.7	13.0	12.9	12.7	12.3	11.9	11.4	11.0	10.7	10.5
82.5°	11.4	11.8	12.0	12.0	11.7	11.4	11.1	10.5	10.2	9.8	9.5
83°	10.5	10.9	11.3	11.3	10.9	10.5	10.2	9.8	9.3	9.1	8.7
83.5°	9.7	10.1	10.4	10.4	10.0	9.8	9.4	8.9	8.5	8.1	7.8
84°	9.0	9.3	9.6	9.6	9.3	9.0	8.6	8.1	7.7	7.3	7.0
84.5°	8.1	8.5	8.8	8.8	8.5	8.3	7.8	7.4	6.9	6.6	6.3
85°	7.3	7.7	8.0	8.0	7.7	7.5	7.0	6.6	6.1	5.8	5.3
85.5°	6.5	7.0	7.3	7.3	7.0	6.7	6.3	5.8	5.2	5.0	4.6
86°	5.7	6.2	6.5	6.5	6.2	5.9	5.5	5.0	4.6	4.1	4.1
86.5°	4.9	5.4	5.7	5.8	5.5	5.2	4.8	4.3	4.1	3.4	3.0
87°	4.1	4.7	4.9	5.0	4.8	4.5	4.1	3.5	3.0	2.7	2.3
87.5°	3.4	4.0	4.2	4.3	4.1	4.0	3.3	2.9	2.3	1.9	1.6
88°	2.7	3.1	3.5	3.6	3.3	3.0	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: P639518
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -5000K

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: P639518

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	455.8	455.8	455.8	455.8	455.8	455.8
0.5°	455.4	455.3	455.8	456.3	455.2	455.1
1°	455.1	454.7	455.0	455.8	455.4	455.1
1.5°	454.9	454.4	454.7	455.1	456.0	455.1
2°	454.8	454.0	454.7	455.1	456.0	454.2
2.5°	454.0	453.2	454.4	455.3	455.0	454.1
3°	454.0	453.2	453.8	454.8	454.4	454.2
3.5°	454.0	452.9	453.8	454.4	454.2	453.9
4°	453.7	453.2	453.3	453.8	454.0	452.6
4.5°	453.4	453.1	453.5	453.6	453.3	452.2
5°	453.7	452.6	451.9	453.0	452.5	452.0
5.5°	453.2	451.4	451.9	451.9	451.5	451.1
6°	451.0	450.3	450.7	451.8	451.5	451.1
6.5°	450.1	449.6	450.6	450.8	450.0	451.0
7°	449.5	449.4	449.9	450.1	449.7	449.7
7.5°	449.0	448.3	447.9	449.7	449.2	448.8
8°	448.8	447.7	447.4	448.6	448.6	448.2
8.5°	447.2	446.4	446.7	447.7	447.8	447.9
9°	446.5	445.5	445.1	446.3	446.8	446.7
9.5°	445.8	444.4	444.7	445.5	446.2	445.4
10°	444.7	443.9	444.5	445.0	445.1	445.2
10.5°	443.4	442.9	443.0	443.6	444.3	443.7
11°	443.3	442.7	442.6	442.6	442.2	442.7
11.5°	441.8	441.6	441.6	441.2	441.5	441.7
12°	441.2	439.7	439.0	440.0	440.5	440.2
12.5°	439.3	438.3	437.6	439.0	438.9	438.9
13°	437.3	436.8	436.9	438.0	437.9	438.6
13.5°	436.5	435.3	436.2	436.8	436.6	436.9
14°	435.7	433.6	434.6	435.2	435.4	435.8
14.5°	434.0	432.6	432.9	433.5	433.2	434.3
15°	432.4	430.7	431.9	431.5	432.8	433.2
15.5°	430.4	429.0	429.5	430.1	431.0	431.6
16°	428.8	427.2	428.0	428.0	429.1	429.7
16.5°	427.6	425.6	426.4	428.0	427.5	427.9
17°	425.8	424.0	424.9	425.8	426.6	426.5
17.5°	424.2	422.8	423.8	422.9	424.3	424.4
18°	422.9	420.7	421.6	421.7	422.0	423.0
18.5°	420.3	419.7	418.9	419.6	420.8	420.3
19°	418.8	418.0	417.2	419.0	419.0	419.3
19.5°	416.9	415.8	415.3	416.3	417.5	417.9
20°	415.0	414.1	413.3	414.6	415.4	416.4
20.5°	412.3	412.0	411.5	413.2	413.8	414.7
21°	410.6	409.7	409.7	410.4	411.1	412.2



TEST NUMBER: P639518

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	404.8	402.2	402.7	404.4	404.4	406.5
23°	402.2	400.3	400.3	402.2	403.1	404.6
23.5°	400.4	397.9	398.5	399.7	400.7	402.6
24°	397.7	395.8	396.1	396.8	398.1	400.6
24.5°	395.4	392.9	393.7	395.1	396.1	397.5
25°	392.9	390.1	391.2	393.1	394.0	396.1
25.5°	390.1	388.3	388.5	390.4	391.4	392.9
26°	388.0	385.7	386.4	387.7	389.4	390.8
26.5°	385.5	382.9	384.1	385.1	386.4	389.3
27°	382.8	380.5	381.1	382.7	383.9	385.3
27.5°	380.1	377.8	378.3	380.4	381.6	382.7
28°	377.6	375.9	375.9	378.6	378.7	380.1
28.5°	375.0	372.9	373.3	375.3	375.9	377.3
29°	371.9	370.0	370.5	372.5	373.3	374.7
29.5°	368.9	366.5	367.7	369.1	370.5	372.2
30°	366.2	364.2	364.5	366.7	367.9	369.5
30.5°	363.4	361.5	361.8	364.0	364.9	366.2
31°	360.7	358.9	358.9	361.3	362.0	362.9
31.5°	358.0	356.0	355.9	357.9	359.2	360.4
32°	354.3	352.9	352.7	354.8	356.5	357.7
32.5°	351.1	349.7	349.7	351.5	353.5	354.9
33°	348.1	345.9	346.8	348.7	350.6	352.1
33.5°	345.1	343.4	344.0	345.7	347.4	349.0
34°	342.2	339.8	340.6	342.4	344.4	346.1
34.5°	339.2	336.8	337.5	339.7	341.3	342.9
35°	336.3	334.0	334.4	336.4	338.3	339.5
35.5°	332.9	331.3	331.3	332.9	334.6	336.6
36°	329.0	327.9	328.3	330.0	331.7	332.8
36.5°	326.1	324.4	324.5	326.4	327.9	330.0
37°	323.2	321.2	320.7	323.2	325.0	326.6
37.5°	319.7	317.4	317.5	319.4	321.7	323.1
38°	315.7	313.6	314.4	316.1	318.1	318.9
38.5°	312.2	309.9	311.1	312.7	314.2	315.7
39°	308.6	306.4	307.1	309.0	310.5	312.2
39.5°	304.4	303.3	303.6	305.7	306.8	308.2
40°	300.9	299.5	299.5	301.9	303.2	304.4
40.5°	297.2	295.8	296.4	298.1	299.1	301.1
41°	292.9	291.6	292.4	294.3	295.4	296.9
41.5°	289.5	286.9	288.6	290.5	291.6	292.9
42°	285.7	283.1	285.0	286.1	287.5	288.8
42.5°	281.1	279.4	280.3	281.9	283.9	284.6
43°	277.1	275.4	275.8	278.0	279.6	280.7
43.5°	272.6	271.4	271.4	273.8	275.4	276.4



TEST NUMBER: P639518

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	260.3	258.1	259.0	261.1	262.5	263.3
45.5°	255.9	253.9	254.7	256.8	257.8	258.9
46°	251.4	249.6	250.4	253.1	254.1	254.6
46.5°	246.8	245.4	246.6	248.2	249.2	249.8
47°	242.6	241.0	241.8	243.7	245.0	245.9
47.5°	238.1	236.6	237.8	239.6	240.1	240.8
48°	233.8	232.3	232.9	235.3	236.0	236.4
48.5°	229.0	227.8	228.9	230.2	231.2	232.0
49°	224.2	223.2	224.6	226.2	226.7	227.1
49.5°	219.8	219.0	220.0	221.7	221.9	222.7
50°	215.8	214.2	216.2	217.3	217.2	217.8
50.5°	210.8	209.9	211.3	212.8	213.3	213.5
51°	206.3	205.6	207.1	208.3	208.8	208.6
51.5°	201.7	201.4	202.1	203.9	204.1	204.1
52°	197.4	196.7	197.8	199.4	199.1	198.9
52.5°	192.8	192.4	193.7	194.8	194.6	194.6
53°	188.6	187.8	189.6	190.7	190.3	190.0
53.5°	184.1	183.4	184.8	185.9	185.8	185.3
54°	179.6	179.2	180.2	181.8	181.0	180.8
54.5°	175.3	174.5	175.4	177.3	176.7	176.6
55°	170.9	170.4	171.4	172.6	172.1	171.7
55.5°	166.4	165.8	167.1	167.8	167.7	167.1
56°	162.2	161.5	162.4	163.7	163.1	162.8
56.5°	157.8	156.9	158.0	159.6	159.1	158.4
57°	153.6	152.8	154.1	155.1	154.6	153.9
57.5°	149.1	148.1	149.8	150.5	149.9	149.4
58°	144.6	144.0	145.3	146.2	145.7	144.9
58.5°	140.6	139.9	141.0	142.1	141.3	140.8
59°	136.3	135.9	136.7	137.9	137.0	136.5
59.5°	132.0	131.5	132.8	133.6	133.0	132.4
60°	128.0	127.4	128.5	129.6	128.7	128.2
60.5°	124.1	123.3	124.4	125.4	124.7	124.1
61°	120.1	119.5	120.5	121.3	120.7	119.9
61.5°	115.7	115.6	116.6	117.3	116.7	116.1
62°	111.7	111.4	112.7	113.1	112.4	112.0
62.5°	108.0	107.7	108.7	109.2	108.5	108.0
63°	104.0	104.0	104.8	105.6	104.8	104.2
63.5°	100.2	100.3	101.3	101.7	101.0	100.4
64°	96.3	96.7	97.3	98.0	97.2	96.7
64.5°	92.6	92.8	93.8	94.2	93.5	93.1
65°	89.2	89.4	90.1	90.6	89.9	89.7
65.5°	85.7	85.8	86.9	86.9	86.4	86.1
66°	82.0	82.1	83.1	83.7	83.0	82.7



TEST NUMBER: P639518

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	72.2	72.4	73.1	73.4	73.2	73.1
68°	68.9	69.2	70.0	70.2	70.0	70.0
68.5°	65.7	66.1	66.6	67.1	67.0	67.0
69°	62.5	62.8	63.5	64.0	63.8	63.8
69.5°	59.5	59.9	60.5	60.9	60.8	60.9
70°	56.8	56.6	57.5	58.1	57.9	58.1
70.5°	54.1	53.7	54.7	55.1	55.2	55.3
71°	51.3	50.9	51.6	52.3	52.4	52.5
71.5°	48.5	48.1	48.8	49.4	49.5	49.7
72°	45.8	45.4	46.1	46.6	46.9	47.2
72.5°	43.3	42.7	43.3	43.9	44.1	44.5
73°	40.6	39.9	40.6	41.3	41.6	42.0
73.5°	38.2	37.4	38.0	38.7	39.2	39.6
74°	35.9	35.0	35.6	36.4	36.8	37.4
74.5°	33.4	32.8	33.3	34.0	34.6	35.2
75°	31.3	30.6	31.2	31.9	32.5	33.1
75.5°	29.2	28.5	29.1	29.8	30.3	30.9
76°	27.1	26.5	27.0	27.7	28.4	29.1
76.5°	25.2	24.7	25.1	25.9	26.5	27.2
77°	23.3	22.9	23.3	24.1	24.7	25.4
77.5°	21.6	21.2	21.6	22.3	23.0	23.7
78°	19.8	19.5	19.9	20.7	21.4	22.0
78.5°	18.4	18.2	18.6	19.2	19.8	20.5
79°	17.0	16.9	17.3	17.9	18.6	19.1
79.5°	15.6	15.5	15.9	16.6	17.3	17.9
80°	14.3	14.4	14.8	15.3	15.9	16.6
80.5°	13.2	13.3	13.6	14.2	14.8	15.4
81°	12.1	12.3	12.7	13.1	13.8	14.3
81.5°	11.3	11.5	11.8	12.3	12.7	13.2
82°	10.3	10.6	10.9	11.3	11.9	12.3
82.5°	9.5	9.8	10.0	10.5	10.9	11.4
83°	8.7	8.8	9.1	9.6	10.1	10.5
83.5°	7.7	8.0	8.3	8.8	9.3	9.7
84°	6.9	7.3	7.5	8.0	8.4	9.0
84.5°	6.1	6.4	6.6	7.2	7.7	8.1
85°	5.2	5.5	5.9	6.3	6.8	7.3
85.5°	4.5	4.8	5.1	5.5	6.0	6.5
86°	3.8	4.1	4.4	4.7	5.2	5.7
86.5°	3.0	3.2	3.6	4.0	4.5	4.9
87°	2.2	2.5	2.8	3.2	3.8	4.1
87.5°	1.5	1.7	2.1	2.5	2.9	3.4
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: P639518

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -5000K

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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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°	410.8	413.0	414.3	415.8	416.1	416.7	416.4	414.1	412.6	411.9	410.1
22°	408.3	410.6	411.8	414.0	413.8	415.1	414.0	412.8	410.7	410.1	407.6



44°	271.8	275.6	278.3	280.2	281.1	281.1	279.6	277.7	274.8	273.2	270.3
44.5°	268.0	271.2	273.2	275.5	276.4	276.1	275.6	273.5	270.8	268.2	265.6



66.5°	79.4	80.5	81.7	82.5	82.4	81.7	80.8	79.7	78.8	78.5	78.3
67°	76.3	77.1	78.4	79.2	79.2	78.3	77.3	76.3	75.4	75.2	74.9



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°	408.9	407.1	407.4	408.2	409.3	410.8
22°	406.1	404.3	405.5	406.5	406.9	408.3



44°	268.6	266.9	267.5	269.9	271.4	271.8
44.5°	264.7	262.3	263.2	266.0	266.8	268.0

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66.5°	78.7	78.8	79.7	80.1	79.6	79.4
67°	75.4	75.6	76.4	76.8	76.4	76.3

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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)