

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: P639515

Luminaire Tested: RL6LS9FSD2W1EWHDM -900LM -3000K

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-2019
Report Number: P639515
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 -3000K
Description: 6IN DIRECT MOUNT, SELECTABLE LUMEN AND CCT, MATTE WHITE BAFFLE
Light Source: (1) SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

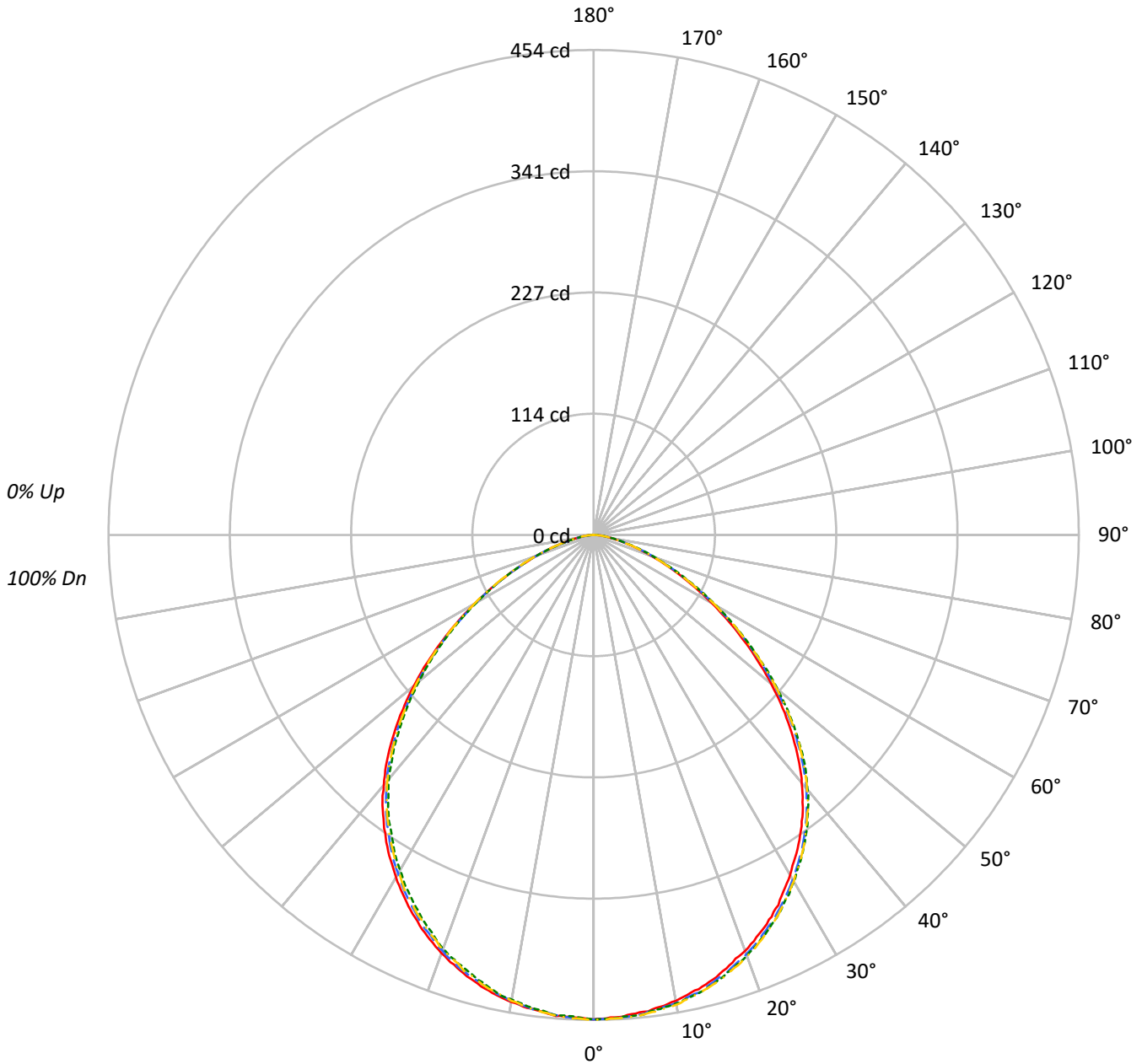
Lumens per Lamp: N/A
Luminaire Lumens: 1050.0 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.3
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (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								
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°	24866	24866	24866	24866
5°	24758	24857	24818	24785
10°	24666	24794	24716	24593
15°	24467	24694	24535	24325
20°	24175	24473	24304	24047
25°	23850	24147	23917	23487
30°	23282	23744	23415	22947
35°	22613	23129	22774	22245
40°	21683	22299	21862	21333
45°	20320	20994	20545	19917
50°	18481	19155	18720	18183
55°	16324	16898	16525	16210
60°	13990	14549	14089	13902
65°	11584	12038	11558	11545
70°	9264	9713	9088	9040
75°	6990	7456	6714	6460
80°	5209	5493	4735	4514
85°	4592	4843	3837	3459

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°
 Vertical Angle: 45°
 Luminance: 21018 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	4.1
10°-20°	121.9	11.6
20°-30°	181.7	17.3
30°-40°	212.0	20.2
40°-50°	203.1	19.3
50°-60°	154.8	14.7
60°-70°	90.2	8.6
70°-80°	35.9	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°	346.4	33.0
0°-40°	558.4	53.2
0°-60°	916.3	87.3
0°-90°	1050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1050.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	454	454	454	454	454	
5°	450	452	451	450	450	43
15°	431	435	432	429	431	121
25°	394	399	395	388	394	181
35°	338	346	340	332	338	211
45°	262	271	265	257	262	201
55°	171	177	173	170	171	153
65°	89	93	89	89	89	89
75°	33	35	32	30	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°	453.6	453.6	453.6	453.6	453.6	453.6	453.6	453.6	453.6	453.6	453.6
0.5°	453.0	453.6	453.6	453.7	453.4	453.6	453.9	453.2	453.1	453.5	453.5
1°	452.9	453.4	453.2	453.4	453.4	453.5	454.3	453.8	452.7	453.4	453.1
1.5°	452.9	453.4	453.0	453.6	453.2	453.4	453.9	454.1	452.1	453.2	452.9
2°	452.0	453.1	452.7	453.6	453.1	452.6	453.1	453.9	452.1	453.4	453.2
2.5°	452.0	453.6	452.9	453.3	453.0	453.0	453.1	453.1	452.0	453.0	452.9
3°	452.0	453.1	452.8	453.8	452.5	453.2	453.0	453.0	451.9	452.6	452.0
3.5°	451.7	452.7	452.3	453.8	451.9	453.2	453.0	453.2	451.9	452.8	452.3
4°	450.5	452.1	452.2	453.2	451.9	453.4	452.8	452.0	451.3	453.4	451.0
4.5°	450.0	451.7	451.7	452.1	451.7	453.1	452.7	451.5	451.7	452.7	451.0
5°	449.9	451.8	451.2	452.0	451.7	452.5	452.2	451.5	451.0	451.2	450.0
5.5°	448.9	451.7	451.2	451.7	451.7	451.3	452.0	451.3	450.3	451.0	449.3
6°	448.9	450.9	450.8	451.0	451.3	451.0	451.3	450.6	449.2	450.8	449.2
6.5°	448.9	449.5	449.4	450.7	449.9	450.3	450.6	449.8	448.5	449.3	448.9
7°	447.6	449.2	449.2	450.0	448.7	449.9	450.1	449.3	448.0	449.2	448.2
7.5°	446.7	448.1	448.4	449.6	448.1	448.6	450.0	449.0	447.3	448.4	447.5
8°	446.1	447.4	447.6	448.5	448.1	447.9	448.9	448.1	447.2	447.1	446.2
8.5°	445.7	446.8	446.8	448.4	447.1	447.9	448.2	447.8	446.4	446.5	445.4
9°	444.6	446.5	446.4	447.0	446.9	447.1	447.5	446.9	445.3	445.7	444.7
9.5°	443.3	445.7	445.6	446.8	446.2	446.1	447.3	446.4	444.5	445.6	444.0
10°	443.1	444.4	445.0	445.8	445.4	445.4	446.6	445.1	444.0	444.3	443.4
10.5°	441.6	444.0	443.8	444.6	445.2	445.1	445.7	444.2	443.3	443.9	441.9
11°	440.6	442.6	443.0	444.3	443.4	443.3	444.0	443.3	442.2	441.8	440.5
11.5°	439.6	441.4	441.6	442.6	442.6	442.4	443.3	441.9	441.2	441.5	439.7
12°	438.1	440.6	440.6	441.6	441.7	442.4	442.7	441.0	440.1	440.1	438.7
12.5°	436.8	439.5	439.8	440.8	440.6	441.7	441.0	440.2	439.1	439.3	437.4
13°	436.5	438.2	439.8	439.4	440.1	440.4	440.2	438.7	437.6	438.7	436.3
13.5°	434.8	436.3	437.8	438.7	438.7	439.2	438.8	438.1	436.7	436.9	434.5
14°	433.7	435.3	436.2	437.0	437.6	437.9	437.7	436.7	435.6	434.9	433.3
14.5°	432.2	434.9	434.8	436.3	435.9	437.4	436.6	435.6	433.8	433.9	431.6
15°	431.1	433.4	433.5	435.2	435.1	435.3	435.2	433.9	432.3	432.2	430.8
15.5°	429.6	431.0	431.6	433.9	433.2	433.8	434.2	432.5	431.0	430.9	429.5
16°	427.7	429.6	430.3	432.1	432.1	432.5	432.8	431.5	429.9	429.0	427.9
16.5°	425.9	428.6	429.0	430.3	430.5	430.6	431.3	430.0	428.2	427.8	426.0
17°	424.4	426.3	427.9	429.2	428.3	429.7	429.1	427.9	426.6	426.1	425.1
17.5°	422.4	425.8	425.9	426.9	427.6	428.0	427.9	426.6	425.0	424.2	423.6
18°	421.0	423.7	424.3	425.1	425.8	425.9	426.2	426.2	423.0	423.2	421.4
18.5°	418.3	421.1	422.6	424.8	423.8	424.9	425.1	423.7	422.0	421.6	419.5
19°	417.3	419.8	420.8	422.7	422.7	423.4	423.4	421.8	419.9	419.3	418.1
19.5°	415.9	418.1	419.5	420.1	420.9	421.3	421.3	420.2	418.1	417.4	416.2
20°	414.4	417.2	417.7	418.8	419.5	419.5	419.5	418.0	416.6	416.4	414.0
20.5°	412.7	415.0	416.0	417.1	417.1	417.7	418.3	416.1	414.6	413.7	412.6
21°	410.3	413.5	414.0	415.0	415.7	415.9	416.8	414.6	412.9	412.1	410.0



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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°	404.5	407.3	408.0	410.2	409.4	410.4	410.4	408.6	406.7	405.9	403.4
23°	402.7	405.1	405.7	407.4	408.2	408.8	408.0	406.6	404.5	403.2	401.7
23.5°	400.6	403.1	404.2	405.5	405.5	406.7	405.9	404.6	402.7	401.1	399.9
24°	398.7	400.6	401.6	402.8	403.7	404.6	403.8	402.6	400.3	399.3	397.5
24.5°	395.6	398.2	399.8	401.0	401.3	402.4	401.8	400.1	397.5	397.5	394.7
25°	394.3	396.1	398.2	398.8	399.2	399.7	399.5	397.9	395.4	394.7	392.2
25.5°	391.1	393.9	395.5	396.8	397.3	397.1	397.2	395.4	393.3	391.7	389.6
26°	389.0	391.4	392.8	394.3	395.0	395.0	394.9	392.7	390.8	389.6	387.7
26.5°	387.4	388.8	390.6	391.7	392.6	393.2	392.2	390.3	388.4	387.5	384.9
27°	383.5	386.9	387.9	389.6	389.8	390.5	389.7	388.5	385.6	384.7	382.4
27.5°	380.9	384.6	385.3	387.0	387.0	387.7	387.6	385.7	383.2	382.3	380.0
28°	378.2	381.4	382.7	384.5	384.6	385.0	384.4	383.0	380.6	379.9	377.4
28.5°	375.5	378.6	380.6	381.7	383.1	382.2	382.1	380.3	378.1	377.1	374.6
29°	372.9	375.9	377.9	378.9	380.2	379.8	379.4	377.8	375.1	374.4	371.9
29.5°	370.5	373.4	375.1	376.6	377.0	377.0	376.7	375.1	372.9	371.1	369.2
30°	367.8	371.3	372.4	374.0	375.1	374.4	374.4	372.3	369.9	368.2	365.8
30.5°	364.5	368.5	369.9	371.2	372.1	371.8	371.1	369.5	367.1	365.9	363.6
31°	361.2	365.0	367.0	368.5	368.6	369.1	368.5	366.7	364.3	363.1	360.7
31.5°	358.7	362.8	364.1	365.7	366.0	366.1	366.0	363.9	361.3	360.5	358.1
32°	356.0	359.9	361.5	362.6	363.3	364.0	363.3	361.1	358.6	358.0	354.9
32.5°	353.2	356.8	358.6	359.9	360.7	360.5	360.5	358.2	356.1	354.2	351.8
33°	350.4	353.7	355.9	356.9	357.7	357.7	357.3	355.1	353.1	351.3	348.9
33.5°	347.4	351.0	353.0	354.1	354.9	354.8	354.6	352.0	349.9	348.2	345.5
34°	344.5	347.9	350.1	351.4	351.6	351.5	351.5	349.3	347.1	345.1	342.2
34.5°	341.2	344.3	347.0	348.5	348.9	348.5	348.5	346.7	343.6	341.9	338.7
35°	337.9	341.7	343.6	345.7	345.6	345.8	344.8	343.4	340.3	338.7	335.8
35.5°	335.0	338.4	340.5	341.9	342.5	342.9	341.7	341.0	337.5	335.9	332.9
36°	331.2	335.1	337.4	338.6	339.7	340.1	338.2	337.0	334.2	332.7	329.4
36.5°	328.4	332.1	334.0	335.6	336.4	336.6	335.1	333.1	330.7	329.3	326.5
37°	325.1	328.2	331.0	332.5	332.1	333.1	331.8	330.3	327.4	325.9	323.0
37.5°	321.6	325.3	327.3	328.3	329.1	328.9	328.2	326.7	324.1	322.2	319.5
38°	317.4	321.4	323.9	325.0	325.6	326.0	326.1	323.0	321.1	318.7	315.6
38.5°	314.2	318.1	319.8	321.2	322.7	322.0	322.3	319.3	317.4	314.9	312.3
39°	310.7	314.3	316.7	317.7	319.1	319.5	318.1	316.3	314.0	312.0	308.6
39.5°	306.8	310.9	313.1	314.6	315.8	315.9	314.2	312.7	309.3	307.7	304.8
40°	303.0	307.9	309.6	311.1	311.6	311.6	310.3	309.0	305.5	304.5	301.3
40.5°	299.6	303.4	305.9	307.1	307.4	307.8	307.0	304.2	301.9	301.3	297.5
41°	295.5	299.2	301.7	303.4	304.2	304.4	303.2	301.3	297.8	296.7	293.8
41.5°	291.5	295.0	297.7	299.5	300.3	300.5	299.2	297.9	294.5	292.2	289.4
42°	287.4	291.3	294.0	295.4	296.4	295.6	295.1	293.0	290.3	288.5	285.5
42.5°	283.3	287.0	289.8	290.8	293.0	292.2	290.8	289.0	286.0	284.7	281.3
43°	279.3	282.8	285.2	286.8	288.5	287.8	287.0	284.7	282.0	280.3	277.3
43.5°	275.1	278.6	281.1	282.9	284.2	283.8	282.3	280.3	277.9	276.1	273.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	262.1	265.6	268.4	269.4	270.8	271.1	269.5	267.7	265.0	263.0	260.5
45.5°	257.7	261.3	263.4	265.3	266.7	266.6	265.6	263.2	260.4	258.6	256.3
46°	253.4	256.6	259.4	261.1	261.8	261.8	260.8	258.6	256.1	254.4	251.9
46.5°	248.6	252.0	254.9	256.5	257.9	257.2	256.2	254.2	251.5	249.7	247.1
47°	244.7	247.4	250.0	251.3	252.7	253.0	251.3	249.5	247.3	245.3	242.9
47.5°	239.7	243.2	245.6	246.4	248.2	248.1	246.8	245.2	242.1	241.1	238.0
48°	235.3	238.3	241.1	241.8	243.9	243.3	242.3	240.8	238.0	236.6	233.7
48.5°	230.9	233.8	236.1	237.5	238.8	238.7	238.0	235.7	233.5	232.1	229.0
49°	226.0	228.9	231.4	232.8	234.2	233.8	232.7	231.1	229.0	227.4	224.7
49.5°	221.6	224.3	226.9	228.4	229.5	229.4	228.2	226.5	224.4	222.6	220.1
50°	216.7	219.5	222.0	223.0	224.6	225.0	223.3	221.6	219.5	218.0	215.7
50.5°	212.5	215.3	217.2	218.8	219.7	219.9	218.5	216.8	214.8	213.4	211.1
51°	207.6	210.7	212.4	214.1	215.3	214.5	214.1	212.4	210.3	209.3	206.9
51.5°	203.1	206.0	208.0	209.1	210.9	210.2	209.4	207.7	205.8	203.9	202.0
52°	198.0	201.0	203.1	204.8	206.2	205.5	204.4	203.1	201.3	199.8	197.4
52.5°	193.6	196.0	198.3	199.7	200.9	200.6	199.9	198.5	196.4	195.2	192.9
53°	189.1	191.5	193.6	195.0	195.8	196.5	195.0	193.4	191.5	190.2	188.6
53.5°	184.5	186.9	189.1	190.5	191.3	191.2	190.3	188.9	186.9	185.9	184.1
54°	179.9	182.1	184.8	185.6	186.4	186.3	185.4	184.5	182.5	181.1	179.5
54.5°	175.7	177.8	179.8	181.2	181.7	181.8	180.9	179.9	177.8	176.6	175.0
55°	170.8	173.0	175.1	176.5	176.8	177.0	176.2	175.0	172.9	171.9	170.3
55.5°	166.3	168.4	170.5	171.9	172.4	172.5	171.4	170.2	168.4	167.2	166.1
56°	162.0	163.9	166.1	167.4	167.9	167.7	166.6	165.8	163.9	162.8	161.7
56.5°	157.6	159.6	161.6	162.8	163.5	163.2	162.1	161.1	159.7	158.6	157.2
57°	153.2	155.0	157.2	158.1	159.0	158.5	157.9	156.5	154.9	153.9	153.0
57.5°	148.7	150.7	153.0	153.7	154.2	154.1	153.1	151.9	150.4	149.5	148.5
58°	144.3	146.4	148.5	149.5	149.9	149.6	148.7	147.5	146.0	145.2	144.0
58.5°	140.1	141.7	143.9	145.0	145.9	145.4	144.1	142.9	141.4	140.8	139.7
59°	135.9	137.5	139.7	140.3	141.4	141.0	139.7	138.7	137.2	136.2	135.5
59.5°	131.7	133.1	135.2	136.2	136.6	136.2	135.7	134.1	132.7	132.1	131.4
60°	127.6	128.9	131.0	132.2	132.7	131.9	131.1	130.0	128.5	128.0	127.3
60.5°	123.5	124.8	126.9	127.8	128.5	128.0	126.9	125.7	124.4	123.8	123.1
61°	119.4	120.7	122.9	123.8	124.4	123.6	122.5	121.3	120.1	119.5	119.0
61.5°	115.6	116.6	118.7	119.6	120.1	119.4	118.4	117.2	116.0	115.3	114.7
62°	111.5	112.7	114.5	115.4	116.3	115.2	114.2	113.1	111.9	111.4	110.9
62.5°	107.5	108.9	110.5	111.4	112.1	111.3	110.2	109.4	107.9	107.3	107.0
63°	103.7	105.0	106.6	107.5	108.1	107.1	106.3	105.0	104.0	103.6	103.0
63.5°	99.9	101.3	102.8	103.8	104.0	103.4	102.3	101.2	100.3	99.9	99.5
64°	96.2	97.5	99.2	100.1	100.3	99.7	98.6	97.3	96.4	96.0	95.9
64.5°	92.7	93.9	95.5	96.3	96.7	95.9	94.8	93.6	92.6	92.4	91.9
65°	89.3	90.4	91.8	92.5	92.8	92.2	91.0	90.1	89.1	89.0	88.3
65.5°	85.7	86.7	88.3	89.0	89.3	88.6	87.6	86.5	85.5	85.1	85.0
66°	82.3	83.4	84.8	85.5	85.8	84.9	83.8	82.7	81.9	81.7	81.3



TEST NUMBER: P639515

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	72.7	73.7	75.1	75.8	75.4	74.8	73.8	72.8	71.9	71.5	71.4
68°	69.7	70.6	71.9	72.6	72.3	71.6	70.6	69.4	68.6	68.4	68.2
68.5°	66.6	67.7	68.7	69.5	69.1	68.4	67.3	66.2	65.3	65.3	64.9
69°	63.5	64.6	65.7	66.4	66.2	65.5	64.3	63.3	62.4	62.1	61.8
69.5°	60.6	61.7	62.8	63.4	63.5	62.5	61.4	60.3	59.4	59.2	58.9
70°	57.8	58.8	60.0	60.4	60.6	59.8	58.6	57.5	56.7	56.4	56.2
70.5°	55.1	56.0	57.1	57.6	57.8	57.0	56.0	54.8	54.0	53.7	53.4
71°	52.3	53.3	54.2	54.9	55.1	54.3	53.2	52.1	51.2	50.9	50.7
71.5°	49.5	50.6	51.5	52.0	52.3	51.5	50.4	49.5	48.4	48.1	48.0
72°	47.0	47.8	48.8	49.3	49.8	48.9	47.7	46.8	45.9	45.6	45.4
72.5°	44.2	45.1	46.2	46.6	47.0	46.4	45.3	44.2	43.5	43.0	42.8
73°	41.8	42.8	43.5	43.9	44.6	43.8	42.7	41.7	41.0	40.5	40.3
73.5°	39.4	40.4	41.1	41.5	42.1	41.4	40.3	39.3	38.4	38.1	37.8
74°	37.2	38.1	38.9	39.1	39.9	39.0	37.9	36.9	36.1	35.6	35.3
74.5°	35.0	35.9	36.5	36.9	37.5	36.5	35.6	34.7	33.8	33.4	33.2
75°	33.0	33.8	34.4	34.6	35.2	34.4	33.4	32.5	31.7	31.2	31.1
75.5°	30.8	31.7	32.4	32.5	33.1	32.4	31.3	30.5	29.6	29.2	29.0
76°	28.9	29.7	30.3	30.4	31.0	30.3	29.2	28.5	27.6	27.2	27.0
76.5°	27.1	27.8	28.4	28.5	29.0	28.3	27.3	26.4	25.6	25.2	25.0
77°	25.3	26.1	26.5	26.7	27.1	26.4	25.4	24.6	23.7	23.4	23.2
77.5°	23.6	24.3	24.8	24.9	25.3	24.6	23.6	22.9	22.1	21.6	21.5
78°	21.9	22.6	23.1	23.2	23.5	22.9	22.1	21.2	20.5	20.0	19.8
78.5°	20.4	21.2	21.6	21.6	21.9	21.2	20.5	19.7	18.9	18.6	18.4
79°	19.1	19.7	20.0	20.0	20.2	19.7	18.8	18.4	17.7	17.2	17.0
79.5°	17.8	18.4	18.8	18.8	18.7	18.4	17.7	17.0	16.3	15.9	15.6
80°	16.5	17.1	17.4	17.4	17.4	17.0	16.3	15.6	15.0	14.7	14.4
80.5°	15.3	15.9	16.3	16.2	16.2	15.7	15.1	14.5	13.9	13.5	13.2
81°	14.2	14.8	15.0	15.0	14.9	14.5	13.9	13.4	12.8	12.4	12.1
81.5°	13.1	13.6	13.9	13.9	13.7	13.4	12.8	12.3	11.8	11.5	11.3
82°	12.2	12.6	12.9	12.8	12.7	12.3	11.8	11.4	11.0	10.7	10.4
82.5°	11.4	11.7	12.0	11.9	11.7	11.4	11.0	10.5	10.1	9.8	9.5
83°	10.5	10.9	11.2	11.2	10.9	10.5	10.2	9.8	9.3	9.0	8.6
83.5°	9.6	10.0	10.3	10.3	10.0	9.7	9.3	8.9	8.5	8.1	7.8
84°	8.9	9.3	9.6	9.6	9.3	8.9	8.6	8.1	7.6	7.3	7.0
84.5°	8.1	8.5	8.8	8.8	8.5	8.2	7.8	7.4	6.8	6.5	6.2
85°	7.3	7.7	8.0	8.0	7.7	7.5	6.9	6.6	6.1	5.8	5.3
85.5°	6.5	6.9	7.2	7.2	6.9	6.7	6.3	5.8	5.2	5.0	4.6
86°	5.7	6.1	6.5	6.5	6.1	5.9	5.5	5.0	4.6	4.1	4.0
86.5°	4.9	5.4	5.7	5.8	5.4	5.1	4.8	4.3	4.0	3.4	3.0
87°	4.1	4.7	4.9	5.0	4.8	4.5	4.0	3.5	3.0	2.6	2.3
87.5°	3.4	4.0	4.2	4.3	4.0	4.0	3.3	2.9	2.3	1.9	1.6
88°	2.6	3.1	3.5	3.6	3.3	3.0	2.6	2.0	1.6	1.2	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: P639515
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3000K

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: P639515

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	453.6	453.6	453.6	453.6	453.6	453.6
0.5°	453.2	453.1	453.7	454.1	453.1	453.0
1°	452.9	452.6	452.8	453.6	453.2	452.9
1.5°	452.7	452.3	452.6	453.0	453.8	452.9
2°	452.7	451.8	452.6	453.0	453.8	452.0
2.5°	451.9	451.0	452.2	453.1	452.8	452.0
3°	451.9	451.0	451.7	452.7	452.3	452.0
3.5°	451.8	450.7	451.7	452.3	452.0	451.7
4°	451.6	451.0	451.2	451.7	451.8	450.5
4.5°	451.3	451.0	451.3	451.4	451.1	450.0
5°	451.5	450.4	449.8	450.9	450.3	449.9
5.5°	451.0	449.2	449.7	449.8	449.3	448.9
6°	448.9	448.2	448.5	449.6	449.3	448.9
6.5°	447.9	447.5	448.5	448.7	447.8	448.9
7°	447.4	447.3	447.8	447.9	447.6	447.6
7.5°	446.8	446.1	445.8	447.5	447.1	446.7
8°	446.7	445.6	445.3	446.4	446.4	446.1
8.5°	445.1	444.3	444.6	445.6	445.7	445.7
9°	444.4	443.4	443.0	444.2	444.7	444.6
9.5°	443.6	442.3	442.6	443.4	444.0	443.3
10°	442.6	441.8	442.4	442.9	442.9	443.1
10.5°	441.3	440.8	440.9	441.5	442.2	441.6
11°	441.2	440.6	440.5	440.5	440.1	440.6
11.5°	439.7	439.5	439.5	439.1	439.4	439.6
12°	439.1	437.7	436.9	437.9	438.4	438.1
12.5°	437.2	436.3	435.6	436.9	436.8	436.8
13°	435.3	434.7	434.9	436.0	435.8	436.5
13.5°	434.4	433.2	434.1	434.7	434.6	434.8
14°	433.6	431.5	432.5	433.2	433.3	433.7
14.5°	431.9	430.6	430.9	431.4	431.1	432.2
15°	430.4	428.6	429.9	429.4	430.7	431.1
15.5°	428.4	426.9	427.5	428.0	429.0	429.6
16°	426.8	425.2	426.0	426.0	427.1	427.7
16.5°	425.5	423.6	424.4	426.0	425.5	425.9
17°	423.8	422.0	422.9	423.8	424.6	424.4
17.5°	422.2	420.8	421.8	420.9	422.3	422.4
18°	420.9	418.7	419.6	419.7	420.0	421.0
18.5°	418.3	417.7	416.9	417.6	418.8	418.3
19°	416.8	416.0	415.2	417.0	417.0	417.3
19.5°	415.0	413.9	413.3	414.3	415.5	415.9
20°	413.0	412.2	411.4	412.6	413.5	414.4
20.5°	410.4	410.1	409.6	411.2	411.8	412.7
21°	408.7	407.7	407.8	408.4	409.1	410.3



TEST NUMBER: P639515

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	402.9	400.3	400.8	402.4	402.5	404.5
23°	400.3	398.4	398.4	400.3	401.2	402.7
23.5°	398.5	396.0	396.6	397.8	398.8	400.6
24°	395.8	394.0	394.3	395.0	396.2	398.7
24.5°	393.6	391.1	391.9	393.2	394.2	395.6
25°	391.0	388.3	389.4	391.2	392.2	394.3
25.5°	388.3	386.4	386.6	388.5	389.5	391.1
26°	386.2	383.8	384.5	385.9	387.6	389.0
26.5°	383.7	381.0	382.3	383.3	384.5	387.4
27°	381.0	378.7	379.3	380.9	382.1	383.5
27.5°	378.2	376.0	376.5	378.6	379.8	380.9
28°	375.8	374.1	374.1	376.8	376.9	378.2
28.5°	373.3	371.1	371.5	373.5	374.1	375.5
29°	370.2	368.2	368.8	370.7	371.5	372.9
29.5°	367.1	364.8	366.0	367.4	368.8	370.5
30°	364.5	362.5	362.8	365.0	366.2	367.8
30.5°	361.7	359.7	360.1	362.3	363.2	364.5
31°	359.0	357.2	357.2	359.6	360.3	361.2
31.5°	356.3	354.3	354.2	356.2	357.5	358.7
32°	352.7	351.3	351.0	353.1	354.8	356.0
32.5°	349.5	348.1	348.0	349.8	351.8	353.2
33°	346.4	344.3	345.2	347.1	348.9	350.4
33.5°	343.5	341.8	342.3	344.1	345.7	347.4
34°	340.6	338.2	339.0	340.8	342.8	344.5
34.5°	337.6	335.2	335.9	338.0	339.7	341.2
35°	334.7	332.4	332.8	334.8	336.7	337.9
35.5°	331.3	329.7	329.7	331.4	333.0	335.0
36°	327.5	326.3	326.8	328.5	330.1	331.2
36.5°	324.5	322.9	323.0	324.9	326.3	328.4
37°	321.6	319.7	319.2	321.7	323.5	325.1
37.5°	318.1	315.9	316.0	317.9	320.2	321.6
38°	314.2	312.1	312.9	314.6	316.6	317.4
38.5°	310.7	308.4	309.7	311.2	312.7	314.2
39°	307.2	305.0	305.6	307.6	309.0	310.7
39.5°	303.0	301.9	302.1	304.3	305.3	306.8
40°	299.5	298.1	298.1	300.5	301.8	303.0
40.5°	295.8	294.4	295.0	296.7	297.7	299.6
41°	291.5	290.2	291.0	292.9	294.0	295.5
41.5°	288.1	285.6	287.3	289.1	290.2	291.5
42°	284.3	281.7	283.6	284.8	286.2	287.4
42.5°	279.7	278.1	279.0	280.6	282.6	283.3
43°	275.8	274.1	274.5	276.7	278.2	279.3
43.5°	271.3	270.2	270.2	272.5	274.1	275.1



TEST NUMBER: P639515

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	259.1	256.9	257.8	259.8	261.3	262.1
45.5°	254.7	252.7	253.5	255.6	256.5	257.7
46°	250.2	248.5	249.2	251.9	252.9	253.4
46.5°	245.6	244.3	245.4	247.0	248.0	248.6
47°	241.5	239.9	240.6	242.5	243.8	244.7
47.5°	237.0	235.5	236.6	238.4	239.0	239.7
48°	232.7	231.2	231.8	234.2	234.9	235.3
48.5°	227.9	226.7	227.8	229.1	230.1	230.9
49°	223.1	222.1	223.5	225.1	225.7	226.0
49.5°	218.8	218.0	219.0	220.7	220.9	221.6
50°	214.8	213.2	215.2	216.3	216.2	216.7
50.5°	209.8	209.0	210.3	211.8	212.3	212.5
51°	205.3	204.6	206.2	207.3	207.8	207.6
51.5°	200.8	200.5	201.2	203.0	203.1	203.1
52°	196.5	195.8	196.9	198.5	198.1	198.0
52.5°	191.9	191.5	192.8	193.9	193.7	193.6
53°	187.7	186.9	188.7	189.7	189.4	189.1
53.5°	183.2	182.5	183.9	185.0	184.9	184.5
54°	178.8	178.3	179.3	181.0	180.1	179.9
54.5°	174.4	173.6	174.6	176.4	175.9	175.7
55°	170.1	169.6	170.6	171.8	171.2	170.8
55.5°	165.6	165.0	166.3	167.0	166.9	166.3
56°	161.4	160.7	161.6	162.9	162.4	162.0
56.5°	157.1	156.2	157.2	158.8	158.3	157.6
57°	152.9	152.1	153.4	154.4	153.9	153.2
57.5°	148.4	147.4	149.1	149.8	149.2	148.7
58°	143.9	143.3	144.6	145.5	145.0	144.3
58.5°	139.9	139.2	140.4	141.4	140.6	140.1
59°	135.7	135.2	136.0	137.3	136.4	135.9
59.5°	131.4	130.9	132.2	133.0	132.4	131.7
60°	127.4	126.8	127.8	129.0	128.1	127.6
60.5°	123.5	122.7	123.8	124.8	124.1	123.5
61°	119.5	118.9	119.9	120.7	120.1	119.4
61.5°	115.2	115.1	116.0	116.7	116.1	115.6
62°	111.2	110.9	112.1	112.5	111.8	111.5
62.5°	107.5	107.2	108.2	108.7	107.9	107.5
63°	103.5	103.5	104.3	105.1	104.3	103.7
63.5°	99.7	99.9	100.9	101.2	100.5	99.9
64°	95.9	96.2	96.8	97.5	96.7	96.2
64.5°	92.2	92.4	93.3	93.8	93.1	92.7
65°	88.8	89.0	89.7	90.1	89.4	89.3
65.5°	85.3	85.4	86.5	86.5	86.0	85.7
66°	81.7	81.7	82.7	83.3	82.6	82.3



TEST NUMBER: P639515

CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	71.9	72.0	72.8	73.1	72.9	72.7
68°	68.6	68.9	69.7	69.9	69.7	69.7
68.5°	65.4	65.8	66.3	66.8	66.6	66.6
69°	62.2	62.5	63.2	63.7	63.5	63.5
69.5°	59.3	59.6	60.2	60.6	60.5	60.6
70°	56.5	56.4	57.2	57.8	57.6	57.8
70.5°	53.9	53.4	54.4	54.8	54.9	55.1
71°	51.0	50.6	51.3	52.0	52.2	52.3
71.5°	48.3	47.9	48.6	49.1	49.3	49.5
72°	45.6	45.2	45.9	46.4	46.7	47.0
72.5°	43.1	42.5	43.1	43.7	43.9	44.2
73°	40.4	39.7	40.4	41.1	41.4	41.8
73.5°	38.0	37.2	37.8	38.5	39.0	39.4
74°	35.7	34.8	35.5	36.2	36.6	37.2
74.5°	33.3	32.7	33.1	33.8	34.4	35.0
75°	31.2	30.5	31.0	31.7	32.4	33.0
75.5°	29.1	28.4	28.9	29.6	30.2	30.8
76°	27.0	26.4	26.9	27.6	28.3	28.9
76.5°	25.0	24.6	25.0	25.7	26.4	27.1
77°	23.2	22.8	23.2	24.0	24.6	25.3
77.5°	21.5	21.1	21.5	22.2	22.9	23.6
78°	19.8	19.4	19.8	20.6	21.3	21.9
78.5°	18.4	18.1	18.5	19.1	19.8	20.4
79°	16.9	16.8	17.2	17.8	18.5	19.1
79.5°	15.6	15.5	15.8	16.5	17.2	17.8
80°	14.2	14.3	14.7	15.2	15.9	16.5
80.5°	13.1	13.2	13.5	14.2	14.8	15.3
81°	12.1	12.3	12.6	13.1	13.7	14.2
81.5°	11.2	11.4	11.7	12.2	12.6	13.1
82°	10.3	10.6	10.9	11.3	11.8	12.2
82.5°	9.4	9.7	10.0	10.4	10.9	11.4
83°	8.6	8.8	9.1	9.6	10.0	10.5
83.5°	7.7	8.0	8.2	8.8	9.3	9.6
84°	6.8	7.2	7.5	7.9	8.4	8.9
84.5°	6.1	6.4	6.6	7.2	7.6	8.1
85°	5.2	5.5	5.9	6.3	6.8	7.3
85.5°	4.4	4.7	5.1	5.5	6.0	6.5
86°	3.7	4.0	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	3.7	4.1
87.5°	1.5	1.7	2.1	2.5	2.9	3.4
88°	0.7	1.0	1.2	1.7	2.3	2.6
88.5°	0.2	0.5	0.7	1.0	1.5	2.0



TEST NUMBER: P639515
CATALOG NUMBER: RL6LS9FSD2W1EWHDM -900LM -3000K

CANDELA DISTRIBUTION (continued):

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

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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°	408.9	411.1	412.3	413.8	414.1	414.7	414.4	412.2	410.6	410.0	408.1
22°	406.3	408.7	409.8	412.1	411.8	413.1	412.1	410.8	408.7	408.2	405.7



44°	270.5	274.3	277.0	278.9	279.7	279.8	278.2	276.4	273.5	271.9	269.1
44.5°	266.7	269.9	271.9	274.2	275.1	274.8	274.3	272.2	269.5	267.0	264.3



66.5°	79.0	80.1	81.3	82.1	82.0	81.3	80.4	79.3	78.4	78.2	77.9
67°	76.0	76.8	78.1	78.8	78.9	77.9	76.9	75.9	75.0	74.9	74.5



89°	1.2	1.7	2.0	2.2	1.9	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°	406.9	405.2	405.5	406.2	407.3	408.9
22°	404.2	402.4	403.6	404.5	404.9	406.3



44°	267.3	265.6	266.2	268.6	270.1	270.5
44.5°	263.5	261.1	261.9	264.7	265.6	266.7

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66.5°	78.3	78.5	79.3	79.7	79.2	79.0
67°	75.0	75.3	76.1	76.4	76.1	76.0

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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)