

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P294433

Luminaire Tested: **RL6069S1EWHDM-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P294433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A1809075B001)
Test Lab: EVERFINE
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RL6069S1EWHDM-2700K
Description: 6 IN HALO RL DIRECT MOUNT (600 LUMEN) - 2700K
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: 706.09 (1 lamp)
Luminaire Lumens: 690.2 lumens
Efficiency: 97.8%
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

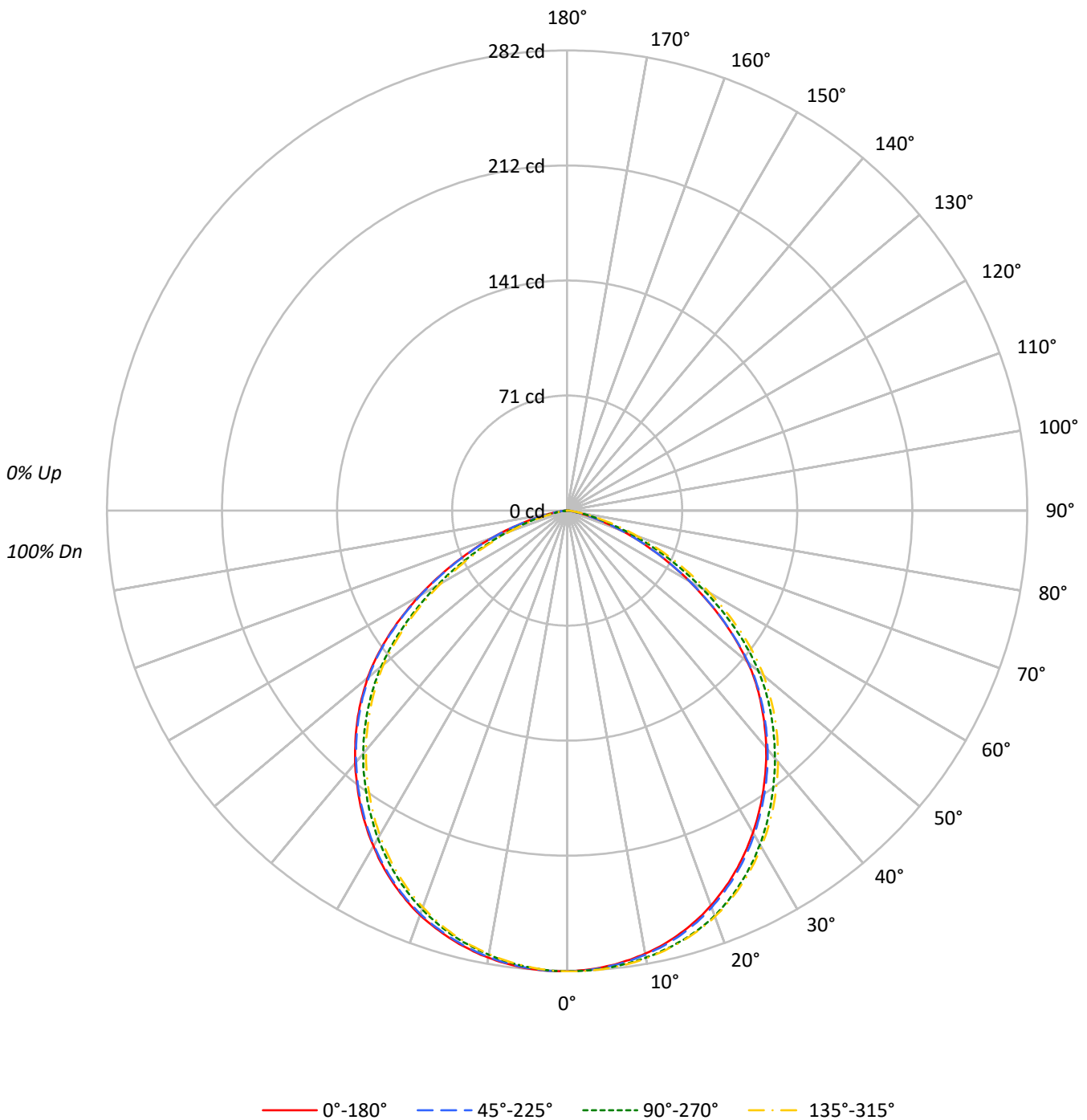
Input Watts (W): 8.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: RL6069S1EWHDM-2700K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																		
0	116	116	116	116	114	114	114	114	109	109	109	104	104	104	100	100	100	98
1	108	104	100	97	105	102	98	95	97	95	92	94	91	89	90	88	87	85
2	99	92	86	81	96	90	84	80	86	82	78	83	79	76	80	77	74	72
3	91	81	74	68	88	80	73	67	77	71	66	74	69	65	72	68	64	62
4	83	72	64	58	81	71	64	58	69	62	57	67	61	56	64	60	56	54
5	77	65	57	51	75	64	56	50	62	55	50	60	54	49	58	53	49	47
6	71	59	50	44	69	58	50	44	56	49	44	54	48	44	53	47	43	41
7	66	53	45	39	64	53	45	39	51	44	39	50	43	39	48	43	38	37
8	62	49	41	35	60	48	41	35	47	40	35	46	39	35	45	39	35	33
9	58	45	37	32	56	44	37	32	43	36	32	42	36	31	41	35	31	30
10	54	41	34	29	53	41	34	29	40	33	29	39	33	29	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15481	15481	15481	15481
5°	15425	15485	15496	15447
10°	15347	15486	15486	15386
15°	15221	15477	15448	15307
20°	15028	15413	15384	15168
25°	14753	15231	15243	14959
30°	14420	14958	15028	14673
35°	14020	14589	14777	14328
40°	13583	14177	14463	13912
45°	13048	13699	14094	13397
50°	12298	13057	13620	12690
55°	11058	11985	12759	11574
60°	9473	10493	11468	10120
65°	7640	8704	9832	8432
70°	5578	6652	7886	6411
75°	3389	4363	5528	4151
80°	1736	2273	3125	2115
85°	881	1384	1887	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	26.7	3.9	3.8
10°-20°	76.4	11.1	10.8
20°-30°	114.5	16.6	16.2
30°-40°	134.8	19.5	19.1
40°-50°	134.8	19.5	19.1
50°-60°	110.7	16.0	15.7
60°-70°	66.5	9.6	9.4
70°-80°	23.0	3.3	3.3
80°-90°	2.8	0.4	0.4
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	217.6	31.5	30.8
0°-40°	352.4	51.1	49.9
0°-60°	598.0	86.6	84.7
0°-90°	690.2	100.0	97.8
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	690.2	100.0	97.8

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	282	282	282	282	282	
5°	280	281	282	281	280	27
15°	268	273	272	270	268	76
25°	244	252	252	247	244	112
35°	210	218	221	214	210	131
45°	168	177	182	173	168	130
55°	116	125	134	121	116	103
65°	59	67	76	65	59	59
75°	16	21	26	20	16	18
85°	1	2	3	2	1	2
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°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4
0.5°	282.2	282.2	282.4	282.7	282.3	282.3	282.5	282.4	282.4	282.4	282.5
1°	282.2	282.1	282.3	282.6	282.3	282.4	282.5	282.5	282.4	282.4	282.4
1.5°	282.0	282.0	282.2	282.5	282.3	282.4	282.4	282.5	282.4	282.4	282.4
2°	281.8	281.9	282.1	282.4	282.2	282.4	282.4	282.5	282.4	282.4	282.3
2.5°	281.7	281.7	281.9	282.3	282.1	282.2	282.4	282.4	282.3	282.3	282.2
3°	281.5	281.5	281.7	282.1	282.0	282.2	282.2	282.3	282.2	282.2	282.0
3.5°	281.2	281.4	281.5	282.0	281.9	282.1	282.1	282.2	282.1	282.0	281.9
4°	280.9	281.0	281.3	281.7	281.7	281.9	282.0	282.1	281.9	281.8	281.7
4.5°	280.7	280.7	281.0	281.6	281.6	281.8	281.9	281.8	281.7	281.7	281.5
5°	280.3	280.4	280.7	281.4	281.4	281.6	281.6	281.7	281.6	281.5	281.4
5.5°	280.0	280.1	280.3	281.0	281.2	281.4	281.5	281.5	281.4	281.2	281.1
6°	279.7	279.8	280.0	280.7	280.9	281.1	281.3	281.2	281.1	280.9	280.8
6.5°	279.2	279.4	279.7	280.3	280.7	280.9	281.0	280.9	280.8	280.6	280.5
7°	278.8	279.0	279.2	280.0	280.3	280.5	280.8	280.6	280.5	280.2	280.2
7.5°	278.3	278.5	278.8	279.7	280.0	280.2	280.4	280.3	280.2	279.9	279.9
8°	277.9	278.1	278.4	279.2	279.7	279.9	280.1	280.0	279.9	279.5	279.6
8.5°	277.4	277.6	277.9	278.8	279.4	279.6	279.8	279.6	279.5	279.2	279.1
9°	276.8	277.1	277.4	278.3	279.0	279.2	279.4	279.2	279.1	278.7	278.6
9.5°	276.4	276.5	276.9	277.9	278.6	278.8	279.0	278.7	278.6	278.3	278.2
10°	275.7	276.0	276.4	277.4	278.2	278.4	278.6	278.3	278.2	277.8	277.7
10.5°	275.1	275.4	275.8	276.9	277.7	278.0	278.1	277.8	277.7	277.3	277.3
11°	274.4	274.7	275.1	276.3	277.3	277.5	277.7	277.3	277.3	276.7	276.7
11.5°	273.8	274.1	274.5	275.7	276.8	277.0	277.2	276.8	276.7	276.2	276.2
12°	273.1	273.4	273.9	275.1	276.3	276.5	276.7	276.3	276.2	275.6	275.6
12.5°	272.4	272.7	273.2	274.5	275.7	276.0	276.2	275.7	275.5	275.0	275.0
13°	271.6	272.0	272.4	273.8	275.2	275.5	275.6	275.0	274.9	274.4	274.4
13.5°	270.8	271.2	271.6	273.1	274.6	274.8	275.0	274.4	274.3	273.7	273.8
14°	270.0	270.5	270.9	272.4	273.9	274.2	274.4	273.8	273.7	273.0	273.0
14.5°	269.1	269.6	270.1	271.7	273.3	273.6	273.8	273.0	272.9	272.3	272.3
15°	268.2	268.8	269.3	271.0	272.7	272.9	273.1	272.3	272.2	271.5	271.6
15.5°	267.3	267.8	268.3	270.1	272.0	272.3	272.4	271.6	271.5	270.8	270.9
16°	266.3	266.9	267.4	269.2	271.2	271.5	271.7	270.8	270.7	270.0	270.1
16.5°	265.3	265.9	266.4	268.2	270.5	270.8	271.0	270.0	269.9	269.3	269.3
17°	264.3	264.9	265.4	267.3	269.7	270.0	270.2	269.2	269.1	268.3	268.4
17.5°	263.3	263.9	264.5	266.3	268.9	269.2	269.5	268.4	268.3	267.5	267.7
18°	262.2	262.8	263.4	265.3	268.0	268.3	268.6	267.6	267.4	266.6	266.8
18.5°	261.1	261.7	262.3	264.2	267.1	267.4	267.7	266.6	266.5	265.7	265.9
19°	259.9	260.6	261.1	263.1	266.2	266.4	266.8	265.8	265.6	264.8	264.9
19.5°	258.8	259.3	260.0	262.0	265.2	265.5	265.9	264.8	264.7	263.9	264.0
20°	257.6	258.2	258.8	260.8	264.2	264.5	264.8	263.9	263.7	262.9	263.0
20.5°	256.3	256.9	257.6	259.6	263.1	263.5	263.8	262.9	262.7	262.0	262.0
21°	255.0	255.8	256.3	258.4	262.0	262.4	262.8	261.8	261.7	260.9	260.9
21.5°	253.7	254.4	255.1	257.2	260.8	261.2	261.6	260.7	260.6	259.7	259.9
22°	252.4	253.0	253.7	255.9	259.5	260.1	260.5	259.5	259.4	258.6	258.7



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CATALOG NUMBER: RL6069S1EWHDM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	251.0	251.7	252.4	254.5	258.4	258.9	259.2	258.4	258.3	257.4	257.6
23°	249.7	250.4	251.0	253.2	257.1	257.7	258.1	257.2	257.0	256.2	256.3
23.5°	248.4	248.9	249.7	251.8	255.9	256.4	256.8	256.1	255.9	255.0	255.1
24°	246.9	247.6	248.3	250.4	254.5	255.1	255.6	254.7	254.6	253.8	253.9
24.5°	245.4	246.2	246.8	249.0	253.2	253.8	254.3	253.4	253.3	252.5	252.6
25°	243.9	244.7	245.3	247.6	251.8	252.4	252.9	252.1	252.0	251.1	251.3
25.5°	242.5	243.2	243.8	246.1	250.4	251.0	251.6	250.7	250.6	249.8	250.0
26°	240.9	241.7	242.4	244.6	249.0	249.5	250.2	249.4	249.3	248.5	248.6
26.5°	239.3	240.1	240.8	243.0	247.4	248.1	248.8	248.0	248.0	247.0	247.2
27°	237.7	238.5	239.2	241.4	245.9	246.7	247.3	246.6	246.6	245.6	245.8
27.5°	236.1	236.9	237.6	239.8	244.5	245.1	245.8	245.1	245.1	244.2	244.4
28°	234.5	235.4	235.9	238.2	242.9	243.5	244.4	243.6	243.7	242.7	242.9
28.5°	232.8	233.7	234.3	236.6	241.3	241.9	242.8	242.1	242.2	241.2	241.5
29°	231.2	232.0	232.7	234.9	239.6	240.3	241.3	240.5	240.6	239.6	239.9
29.5°	229.4	230.3	230.9	233.2	237.9	238.6	239.6	239.0	239.0	238.1	238.4
30°	227.8	228.6	229.3	231.5	236.3	236.9	238.0	237.3	237.4	236.6	236.8
30.5°	226.1	226.9	227.5	229.7	234.6	235.2	236.4	235.8	236.0	235.0	235.2
31°	224.3	225.1	225.7	228.0	232.8	233.5	234.6	234.1	234.4	233.4	233.6
31.5°	222.5	223.4	223.9	226.2	231.1	231.7	233.0	232.4	232.8	231.7	232.0
32°	220.7	221.7	222.2	224.4	229.2	229.9	231.3	230.7	231.1	230.0	230.3
32.5°	218.9	219.9	220.3	222.6	227.5	228.1	229.5	229.1	229.3	228.3	228.6
33°	217.0	218.0	218.5	220.8	225.6	226.3	227.8	227.3	227.7	226.6	227.0
33.5°	215.2	216.2	216.6	218.9	223.6	224.4	226.1	225.6	226.0	224.9	225.2
34°	213.3	214.3	214.8	216.9	221.8	222.5	224.2	223.8	224.3	223.2	223.5
34.5°	211.4	212.5	212.9	215.0	219.9	220.6	222.4	222.1	222.5	221.5	221.7
35°	209.5	210.6	211.0	213.1	218.0	218.7	220.6	220.3	220.8	219.7	220.0
35.5°	207.6	208.8	209.1	211.1	216.0	216.7	218.7	218.4	219.0	217.9	218.2
36°	205.7	206.8	207.1	209.2	214.1	214.7	216.8	216.5	217.2	216.1	216.4
36.5°	203.7	204.9	205.2	207.2	212.1	212.8	214.8	214.7	215.2	214.2	214.5
37°	201.8	202.9	203.2	205.3	210.1	210.8	212.9	212.9	213.4	212.4	212.7
37.5°	199.8	200.9	201.3	203.2	208.2	208.9	210.9	211.0	211.5	210.5	210.8
38°	197.9	199.0	199.3	201.2	206.2	207.0	209.0	209.1	209.6	208.7	208.9
38.5°	195.9	197.0	197.3	199.2	204.2	205.0	207.0	207.2	207.8	206.8	207.0
39°	193.9	195.0	195.2	197.2	202.2	202.9	205.0	205.2	205.9	204.9	205.1
39.5°	191.8	193.0	193.2	195.1	200.2	201.0	203.0	203.2	204.0	202.9	203.1
40°	189.8	190.9	191.1	193.0	198.1	198.9	201.0	201.3	202.1	201.0	201.2
40.5°	187.7	188.8	189.1	190.9	196.0	196.8	198.9	199.3	200.1	199.1	199.3
41°	185.7	186.8	186.9	188.8	193.9	194.7	196.9	197.4	198.1	197.1	197.3
41.5°	183.5	184.6	184.8	186.8	191.8	192.6	194.8	195.3	196.1	195.1	195.3
42°	181.4	182.5	182.6	184.5	189.7	190.6	192.9	193.3	194.1	193.1	193.3
42.5°	179.2	180.4	180.4	182.4	187.6	188.4	190.8	191.2	192.1	191.1	191.3
43°	177.1	178.3	178.2	180.2	185.5	186.2	188.7	189.2	190.2	189.1	189.2
43.5°	174.9	176.1	176.0	178.0	183.3	184.1	186.6	187.1	188.1	187.0	187.1
44°	172.7	173.9	173.9	175.7	181.1	181.9	184.4	184.9	186.0	184.9	185.1
44.5°	170.5	171.7	171.6	173.5	178.9	179.7	182.2	182.8	183.8	182.8	182.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	168.3	169.5	169.3	171.2	176.7	177.5	180.0	180.7	181.8	180.8	180.8
45.5°	166.1	167.2	167.1	168.9	174.5	175.4	177.8	178.5	179.7	178.7	178.7
46°	163.8	165.0	164.7	166.6	172.2	173.1	175.6	176.3	177.5	176.5	176.6
46.5°	161.6	162.8	162.4	164.3	170.0	170.9	173.4	174.1	175.4	174.3	174.4
47°	159.3	160.4	160.3	162.0	167.7	168.6	171.1	171.8	173.2	172.2	172.2
47.5°	157.0	158.1	157.8	159.7	165.4	166.3	168.7	169.5	170.9	169.9	170.0
48°	154.6	155.6	155.4	157.2	163.0	164.1	166.4	167.3	168.6	167.8	167.7
48.5°	152.1	153.1	152.9	154.8	160.5	161.8	164.1	165.0	166.4	165.5	165.4
49°	149.6	150.6	150.3	152.3	158.1	159.3	161.8	162.7	164.1	163.3	163.2
49.5°	147.0	148.0	147.6	149.8	155.6	156.9	159.6	160.5	161.9	161.0	161.0
50°	144.2	145.3	145.0	147.2	153.1	154.3	157.1	158.0	159.7	158.7	158.6
50.5°	141.5	142.6	142.1	144.4	150.7	151.7	154.7	155.5	157.2	156.3	156.3
51°	138.7	139.8	139.4	141.6	148.0	149.1	152.1	153.0	154.8	153.9	153.9
51.5°	136.0	137.1	136.6	138.9	145.2	146.5	149.5	150.5	152.4	151.4	151.4
52°	133.2	134.2	133.7	136.1	142.5	143.7	146.8	147.9	149.8	148.9	148.9
52.5°	130.3	131.3	130.8	133.2	139.7	141.0	144.2	145.2	147.2	146.3	146.3
53°	127.5	128.5	127.9	130.3	137.0	138.2	141.4	142.4	144.5	143.6	143.6
53.5°	124.5	125.5	124.9	127.5	134.2	135.3	138.8	139.7	141.8	140.9	141.0
54°	121.6	122.6	122.0	124.5	131.2	132.5	135.9	136.9	139.1	138.1	138.2
54.5°	118.6	119.6	119.1	121.6	128.4	129.7	133.0	134.2	136.3	135.4	135.5
55°	115.7	116.6	116.2	118.7	125.4	126.8	130.2	131.4	133.5	132.8	132.7
55.5°	112.8	113.6	113.2	115.6	122.4	124.0	127.3	128.5	130.7	129.8	129.7
56°	109.9	110.6	110.3	112.6	119.4	121.1	124.4	125.7	127.8	127.0	126.9
56.5°	107.0	107.7	107.4	109.7	116.5	118.1	121.6	122.9	125.0	124.2	124.1
57°	104.0	104.7	104.3	106.8	113.6	115.0	118.8	119.8	122.2	121.3	121.2
57.5°	101.0	101.7	101.3	103.7	110.5	112.0	115.7	116.9	119.2	118.3	118.4
58°	98.0	98.8	98.4	100.8	107.5	109.1	112.8	114.0	116.2	115.4	115.4
58.5°	95.1	95.9	95.4	97.9	104.6	106.1	109.9	111.0	113.4	112.5	112.4
59°	92.3	92.9	92.6	94.9	101.6	103.2	106.9	108.2	110.3	109.6	109.5
59.5°	89.3	89.9	89.6	91.9	98.6	100.3	103.9	105.3	107.5	106.7	106.7
60°	86.4	87.1	86.7	89.0	95.7	97.3	101.0	102.3	104.6	103.8	103.7
60.5°	83.6	84.3	83.8	86.2	92.9	94.3	98.2	99.4	101.7	100.8	100.8
61°	80.7	81.4	80.9	83.3	89.8	91.3	95.2	96.4	98.8	97.9	97.9
61.5°	77.8	78.5	78.1	80.4	86.9	88.3	92.2	93.6	95.9	94.9	95.0
62°	75.0	75.7	75.2	77.6	84.1	85.5	89.4	90.6	93.1	92.1	92.0
62.5°	72.3	72.9	72.6	74.8	81.1	82.7	86.5	87.7	90.0	89.2	89.2
63°	69.6	70.2	69.8	72.0	78.2	79.9	83.6	84.9	87.1	86.4	86.3
63.5°	67.0	67.5	67.1	69.3	75.4	77.0	80.7	82.1	84.3	83.6	83.5
64°	64.2	64.9	64.4	66.6	72.7	74.1	78.0	79.2	81.5	80.7	80.6
64.5°	61.6	62.2	61.7	63.8	69.9	71.4	75.1	76.4	78.6	77.8	77.9
65°	58.9	59.5	59.1	61.2	67.1	68.7	72.4	73.6	75.8	75.0	75.0
65.5°	56.4	56.9	56.4	58.5	64.5	65.8	69.6	70.8	73.0	72.2	72.4
66°	53.7	54.4	53.8	56.0	61.7	63.2	66.7	68.1	70.3	69.6	69.5
66.5°	51.4	51.8	51.5	53.3	59.0	60.5	64.1	65.4	67.6	66.9	66.7
67°	48.8	49.3	48.8	50.9	56.4	57.9	61.4	62.7	64.8	64.1	64.0



TEST NUMBER: P294433

CATALOG NUMBER: RL6069S1EWHDM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	46.3	46.9	46.4	48.4	53.9	55.3	58.8	60.0	62.1	61.4	61.4
68°	43.9	44.4	43.9	45.9	51.3	52.8	56.2	57.4	59.6	58.8	58.8
68.5°	41.6	42.1	41.6	43.5	48.9	50.1	53.6	54.8	56.9	56.2	56.2
69°	39.3	39.7	39.3	41.1	46.3	47.5	51.1	52.0	54.4	53.5	53.6
69.5°	36.9	37.5	36.9	38.8	43.9	45.1	48.4	49.5	51.7	50.9	51.1
70°	34.8	35.2	34.8	36.4	41.5	42.8	45.9	47.0	49.2	48.5	48.5
70.5°	32.5	32.9	32.6	34.2	39.2	40.3	43.5	44.6	46.6	46.0	46.0
71°	30.4	30.9	30.4	32.1	36.8	38.0	41.1	42.1	44.2	43.5	43.6
71.5°	28.3	28.9	28.3	30.0	34.6	35.7	38.9	39.8	41.8	41.1	41.2
72°	26.3	26.9	26.3	28.0	32.4	33.4	36.4	37.4	39.4	38.7	38.9
72.5°	24.4	24.9	24.4	25.8	30.2	31.2	34.1	35.0	37.0	36.4	36.5
73°	22.7	22.9	22.6	24.0	28.2	29.2	32.0	32.9	34.7	34.1	34.2
73.5°	20.9	21.1	20.9	22.2	26.1	27.2	29.8	30.7	32.5	31.9	32.0
74°	19.2	19.3	19.1	20.4	24.1	25.2	27.7	28.6	30.2	29.7	29.8
74.5°	17.6	17.8	17.5	18.7	22.3	23.1	25.7	26.4	28.1	27.7	27.8
75°	16.0	16.2	15.9	17.0	20.6	21.3	23.8	24.5	26.1	25.7	25.7
75.5°	14.4	14.7	14.4	15.6	18.9	19.5	21.9	22.6	24.1	23.6	23.9
76°	13.0	13.4	12.9	14.0	17.2	17.8	20.0	20.7	22.2	21.7	21.9
76.5°	11.8	12.0	11.8	12.7	15.6	16.1	18.2	18.9	20.3	19.8	20.0
77°	10.8	10.7	10.7	11.5	14.0	14.8	16.6	17.2	18.6	18.2	18.3
77.5°	9.4	9.6	9.3	10.3	12.6	13.4	15.2	15.7	16.9	16.5	16.6
78°	8.6	8.7	8.4	9.0	11.5	12.0	13.7	14.2	15.4	15.0	15.2
78.5°	7.4	7.6	7.4	8.2	10.3	10.8	12.2	12.6	13.9	13.6	13.7
79°	6.7	6.8	6.5	7.2	9.0	9.5	10.9	11.2	12.3	12.1	12.2
79.5°	5.8	5.9	5.7	6.3	8.2	8.6	9.9	10.2	11.1	10.9	10.9
80°	5.5	5.5	5.2	5.5	7.2	7.4	8.8	9.1	9.9	9.6	9.8
80.5°	4.8	4.7	4.6	4.9	6.3	6.8	7.6	8.0	8.8	8.6	8.8
81°	4.2	4.2	4.1	4.5	5.6	5.8	6.7	7.1	7.7	7.4	7.5
81.5°	3.9	3.9	3.8	3.9	4.9	5.4	5.8	6.1	6.8	6.7	6.6
82°	3.5	3.5	3.3	3.8	4.5	4.7	5.4	5.6	5.9	5.8	5.8
82.5°	3.1	3.1	3.0	3.1	3.9	4.1	4.6	4.8	5.5	5.2	5.4
83°	2.8	2.7	2.6	2.8	3.8	3.9	4.0	4.3	4.7	4.6	4.6
83.5°	2.3	2.3	2.3	2.3	3.1	3.3	3.8	3.9	4.1	4.1	4.0
84°	2.2	2.1	2.2	2.2	2.9	3.0	3.2	3.7	3.8	3.9	3.8
84.5°	1.7	1.6	1.6	2.1	2.4	2.7	3.0	3.1	3.5	3.3	3.2
85°	1.4	1.4	1.4	1.6	2.2	2.3	2.6	2.8	3.0	3.1	3.0
85.5°	1.5	1.4	1.5	1.3	2.1	2.2	2.2	2.4	2.7	2.7	2.6
86°	0.7	0.6	0.7	0.8	1.6	1.6	2.1	2.2	2.2	2.3	2.2
86.5°	0.5	0.5	0.5	0.5	1.3	1.3	1.6	2.0	2.1	2.2	2.1
87°	0.5	0.4	0.4	0.5	1.0	1.5	1.3	1.5	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.6	0.7	1.3	1.4	1.3	1.4	1.4
88°	0.0	0.0	0.0	0.3	0.5	0.5	0.6	0.7	1.4	1.4	1.4
88.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.6	0.7	0.6
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P294433

CATALOG NUMBER: RL6069S1EWHDM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0



TEST NUMBER: P294433

CATALOG NUMBER: RL6069S1EWHDM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	282.4	282.4	282.4	282.4	282.4	282.4
0.5°	282.7	282.3	282.2	282.4	282.3	282.2
1°	282.7	282.2	282.1	282.2	282.1	282.2
1.5°	282.6	282.2	282.0	282.2	282.0	282.0
2°	282.6	282.0	281.9	282.0	281.9	281.8
2.5°	282.5	281.9	281.7	281.8	281.7	281.7
3°	282.3	281.7	281.6	281.6	281.5	281.5
3.5°	282.2	281.5	281.4	281.4	281.4	281.2
4°	282.0	281.3	281.2	281.1	281.1	280.9
4.5°	281.8	281.0	280.9	280.8	280.7	280.7
5°	281.6	280.7	280.6	280.5	280.4	280.3
5.5°	281.3	280.4	280.3	280.1	280.1	280.0
6°	281.0	280.0	279.9	279.8	279.8	279.7
6.5°	280.7	279.7	279.6	279.4	279.4	279.2
7°	280.3	279.3	279.2	279.0	279.0	278.8
7.5°	280.0	278.8	278.8	278.5	278.5	278.3
8°	279.6	278.4	278.3	278.1	278.1	277.9
8.5°	279.2	278.0	277.9	277.6	277.5	277.4
9°	278.7	277.5	277.4	277.1	277.1	276.8
9.5°	278.3	276.9	276.9	276.5	276.5	276.4
10°	277.8	276.4	276.4	276.0	276.0	275.7
10.5°	277.3	275.8	275.8	275.4	275.4	275.1
11°	276.7	275.2	275.2	274.7	274.7	274.4
11.5°	276.2	274.7	274.6	274.1	274.0	273.8
12°	275.6	274.0	273.9	273.4	273.4	273.1
12.5°	275.0	273.3	273.3	272.8	272.7	272.4
13°	274.3	272.6	272.7	272.1	272.0	271.6
13.5°	273.7	272.0	272.0	271.3	271.2	270.8
14°	273.0	271.3	271.2	270.5	270.4	270.0
14.5°	272.3	270.4	270.4	269.7	269.6	269.1
15°	271.5	269.7	269.7	268.9	268.7	268.2
15.5°	270.8	268.9	268.8	268.0	267.8	267.3
16°	270.0	268.0	268.0	267.1	266.8	266.3
16.5°	269.2	267.1	267.1	266.2	265.9	265.3
17°	268.4	266.2	266.1	265.1	264.9	264.3
17.5°	267.5	265.2	265.1	264.1	263.9	263.3
18°	266.6	264.2	264.2	263.1	262.8	262.2
18.5°	265.7	263.2	263.1	262.0	261.7	261.1
19°	264.8	262.2	262.1	260.9	260.6	259.9
19.5°	263.8	261.1	260.9	259.8	259.4	258.8
20°	262.8	260.0	259.9	258.7	258.3	257.6
20.5°	261.8	258.8	258.7	257.5	257.0	256.3
21°	260.7	257.7	257.5	256.3	255.9	255.0
21.5°	259.6	256.5	256.3	255.0	254.5	253.7
22°	258.4	255.2	255.1	253.7	253.2	252.4



TEST NUMBER: P294433

CATALOG NUMBER: RL6069S1EWHDM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	257.2	254.0	253.8	252.4	251.8	251.0
23°	256.1	252.7	252.5	251.1	250.5	249.7
23.5°	254.8	251.4	251.1	249.7	249.1	248.4
24°	253.5	250.1	249.9	248.4	247.8	246.9
24.5°	252.2	248.7	248.5	246.9	246.4	245.4
25°	250.9	247.3	247.1	245.5	244.9	243.9
25.5°	249.5	245.8	245.6	244.0	243.4	242.5
26°	248.1	244.4	244.1	242.5	242.0	240.9
26.5°	246.8	242.9	242.7	241.0	240.4	239.3
27°	245.3	241.4	241.2	239.5	238.8	237.7
27.5°	243.8	239.9	239.6	237.8	237.2	236.1
28°	242.4	238.3	238.0	236.3	235.7	234.5
28.5°	240.8	236.7	236.5	234.7	234.0	232.8
29°	239.3	235.1	234.8	233.1	232.4	231.2
29.5°	237.7	233.5	233.1	231.4	230.7	229.4
30°	236.2	231.8	231.4	229.6	229.0	227.8
30.5°	234.7	230.2	229.7	228.0	227.2	226.1
31°	233.0	228.4	227.9	226.2	225.5	224.3
31.5°	231.4	226.7	226.2	224.5	223.7	222.5
32°	229.6	224.9	224.5	222.7	222.0	220.7
32.5°	227.8	223.2	222.7	220.8	220.2	218.9
33°	226.1	221.4	220.9	219.0	218.4	217.0
33.5°	224.4	219.7	219.1	217.2	216.6	215.2
34°	222.7	217.8	217.1	215.3	214.7	213.3
34.5°	220.9	216.0	215.3	213.4	212.8	211.4
35°	219.1	214.1	213.3	211.5	211.0	209.5
35.5°	217.2	212.1	211.4	209.6	209.1	207.6
36°	215.4	210.2	209.5	207.7	207.2	205.7
36.5°	213.5	208.3	207.6	205.7	205.3	203.7
37°	211.6	206.3	205.6	203.8	203.3	201.8
37.5°	209.8	204.4	203.7	201.9	201.3	199.8
38°	207.9	202.6	201.7	199.9	199.4	197.9
38.5°	206.0	200.6	199.7	197.9	197.4	195.9
39°	204.0	198.5	197.7	195.9	195.4	193.9
39.5°	202.1	196.4	195.7	193.8	193.4	191.8
40°	200.0	194.4	193.7	191.7	191.3	189.8
40.5°	198.0	192.3	191.6	189.6	189.2	187.7
41°	196.0	190.3	189.4	187.6	187.2	185.7
41.5°	194.0	188.2	187.4	185.6	185.1	183.5
42°	191.9	186.1	185.4	183.4	183.0	181.4
42.5°	189.8	183.9	183.3	181.2	180.9	179.2
43°	187.7	181.7	181.1	179.0	178.7	177.1
43.5°	185.6	179.5	179.0	176.8	176.6	174.9
44°	183.4	177.3	176.8	174.7	174.4	172.7
44.5°	181.3	175.1	174.6	172.5	172.2	170.5



TEST NUMBER: P294433

CATALOG NUMBER: RL6069S1EWHDM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	179.1	172.8	172.3	170.3	170.0	168.3
45.5°	176.9	170.6	170.1	168.1	167.8	166.1
46°	174.6	168.3	167.9	165.8	165.5	163.8
46.5°	172.4	165.9	165.6	163.6	163.3	161.6
47°	170.1	163.7	163.4	161.2	161.0	159.3
47.5°	167.9	161.2	161.1	158.9	158.6	157.0
48°	165.5	158.9	158.6	156.7	156.3	154.6
48.5°	163.2	156.4	156.3	154.3	153.9	152.1
49°	160.9	153.9	153.8	151.8	151.5	149.6
49.5°	158.6	151.4	151.4	149.3	149.0	147.0
50°	156.1	148.8	148.9	146.8	146.3	144.2
50.5°	153.6	146.2	146.3	144.0	143.6	141.5
51°	151.1	143.5	143.6	141.3	140.9	138.7
51.5°	148.6	140.8	140.8	138.5	138.1	136.0
52°	146.0	138.1	138.1	135.8	135.4	133.2
52.5°	143.3	135.3	135.4	133.1	132.6	130.3
53°	140.6	132.6	132.6	130.1	129.6	127.5
53.5°	137.8	129.7	129.7	127.3	126.8	124.5
54°	135.1	126.8	126.9	124.4	123.9	121.6
54.5°	132.1	123.9	123.9	121.5	120.9	118.6
55°	129.3	121.1	121.0	118.6	117.9	115.7
55.5°	126.5	118.3	118.2	115.7	115.0	112.8
56°	123.7	115.4	115.2	112.7	112.0	109.9
56.5°	120.9	112.5	112.3	109.8	109.1	107.0
57°	117.9	109.6	109.4	106.9	106.1	104.0
57.5°	114.9	106.6	106.6	103.9	103.2	101.0
58°	112.0	103.7	103.5	100.9	100.2	98.0
58.5°	109.2	100.9	100.6	98.1	97.3	95.1
59°	106.3	98.1	97.8	95.1	94.3	92.3
59.5°	103.4	95.2	94.9	92.2	91.4	89.3
60°	100.5	92.3	92.0	89.3	88.6	86.4
60.5°	97.5	89.5	89.1	86.5	85.8	83.6
61°	94.6	86.7	86.3	83.6	82.9	80.7
61.5°	91.7	83.9	83.5	80.7	80.1	77.8
62°	88.8	81.0	80.6	77.9	77.2	75.0
62.5°	86.1	78.4	77.9	75.1	74.3	72.3
63°	83.2	75.6	75.0	72.4	71.6	69.6
63.5°	80.5	73.0	72.4	69.7	68.9	67.0
64°	77.6	70.2	69.7	67.1	66.4	64.2
64.5°	74.8	67.5	67.0	64.3	63.5	61.6
65°	72.2	65.0	64.4	61.7	60.9	58.9
65.5°	69.5	62.2	61.7	59.0	58.3	56.4
66°	66.8	59.7	59.0	56.4	55.7	53.7
66.5°	64.1	57.1	56.5	53.8	53.0	51.4
67°	61.5	54.7	54.0	51.4	50.6	48.8



TEST NUMBER: P294433

CATALOG NUMBER: RL6069S1EWHDM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	58.8	52.1	51.4	48.8	48.1	46.3
68°	56.2	49.7	49.1	46.4	45.7	43.9
68.5°	53.6	47.1	46.6	44.0	43.3	41.6
69°	51.1	44.7	44.2	41.6	41.0	39.3
69.5°	48.6	42.3	41.7	39.4	38.6	36.9
70°	46.1	40.0	39.4	36.9	36.3	34.8
70.5°	43.8	37.9	37.2	34.8	34.1	32.5
71°	41.4	35.6	34.9	32.6	32.0	30.4
71.5°	39.1	33.3	32.7	30.5	29.9	28.3
72°	36.6	31.2	30.7	28.3	27.9	26.3
72.5°	34.5	29.2	28.5	26.2	25.8	24.4
73°	32.3	27.3	26.6	24.5	24.0	22.7
73.5°	30.2	25.3	24.5	22.7	22.2	20.9
74°	28.1	23.3	22.6	20.9	20.4	19.2
74.5°	26.1	21.4	20.8	19.1	18.7	17.6
75°	24.1	19.6	19.1	17.5	17.1	16.0
75.5°	22.2	18.0	17.4	15.9	15.6	14.4
76°	20.3	16.3	15.9	14.4	14.0	13.0
76.5°	18.6	14.9	14.5	12.8	12.6	11.8
77°	16.9	13.5	12.9	11.6	11.4	10.8
77.5°	15.4	12.1	11.6	10.4	10.3	9.4
78°	13.9	10.9	10.5	9.2	9.1	8.6
78.5°	12.4	9.5	9.2	8.3	8.2	7.4
79°	11.1	8.6	8.3	7.4	7.2	6.7
79.5°	10.0	7.5	7.2	6.5	6.4	5.8
80°	9.0	6.7	6.4	5.7	5.6	5.5
80.5°	7.7	5.8	5.5	5.0	5.0	4.8
81°	6.9	5.2	4.9	4.6	4.5	4.2
81.5°	5.9	4.6	4.4	4.0	3.9	3.9
82°	5.6	4.0	3.9	3.8	3.8	3.5
82.5°	4.8	3.8	3.7	3.2	3.2	3.1
83°	4.1	3.3	3.1	2.9	2.9	2.8
83.5°	3.9	3.0	2.9	2.5	2.4	2.3
84°	3.5	2.7	2.3	2.2	2.2	2.2
84.5°	3.1	2.3	2.2	2.2	2.1	1.7
85°	2.7	2.2	2.1	1.6	1.6	1.4
85.5°	2.3	1.6	1.7	1.4	1.4	1.5
86°	2.2	1.4	1.3	1.5	1.3	0.7
86.5°	1.8	1.6	1.1	0.7	0.6	0.5
87°	1.5	0.7	0.6	0.5	0.5	0.5
87.5°	1.4	0.5	0.5	0.4	0.0	0.0
88°	0.7	0.4	0.0	0.0	0.0	0.0
88.5°	0.6	0.0	0.0	0.0	0.0	0.0
89°	0.5	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P294433

CATALOG NUMBER: RL6069S1EWHDM-2700K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)