

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: P294435

Luminaire Tested: **RL6069S1EWHDM-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P294435
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-3500K
Description: 6 IN HALO RL DIRECT MOUNT (600 LUMEN) - 3500K
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: 706.09 (1 lamp)
Luminaire Lumens: 717.9 lumens
Efficiency: 101.7%
Efficacy: 82.5 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

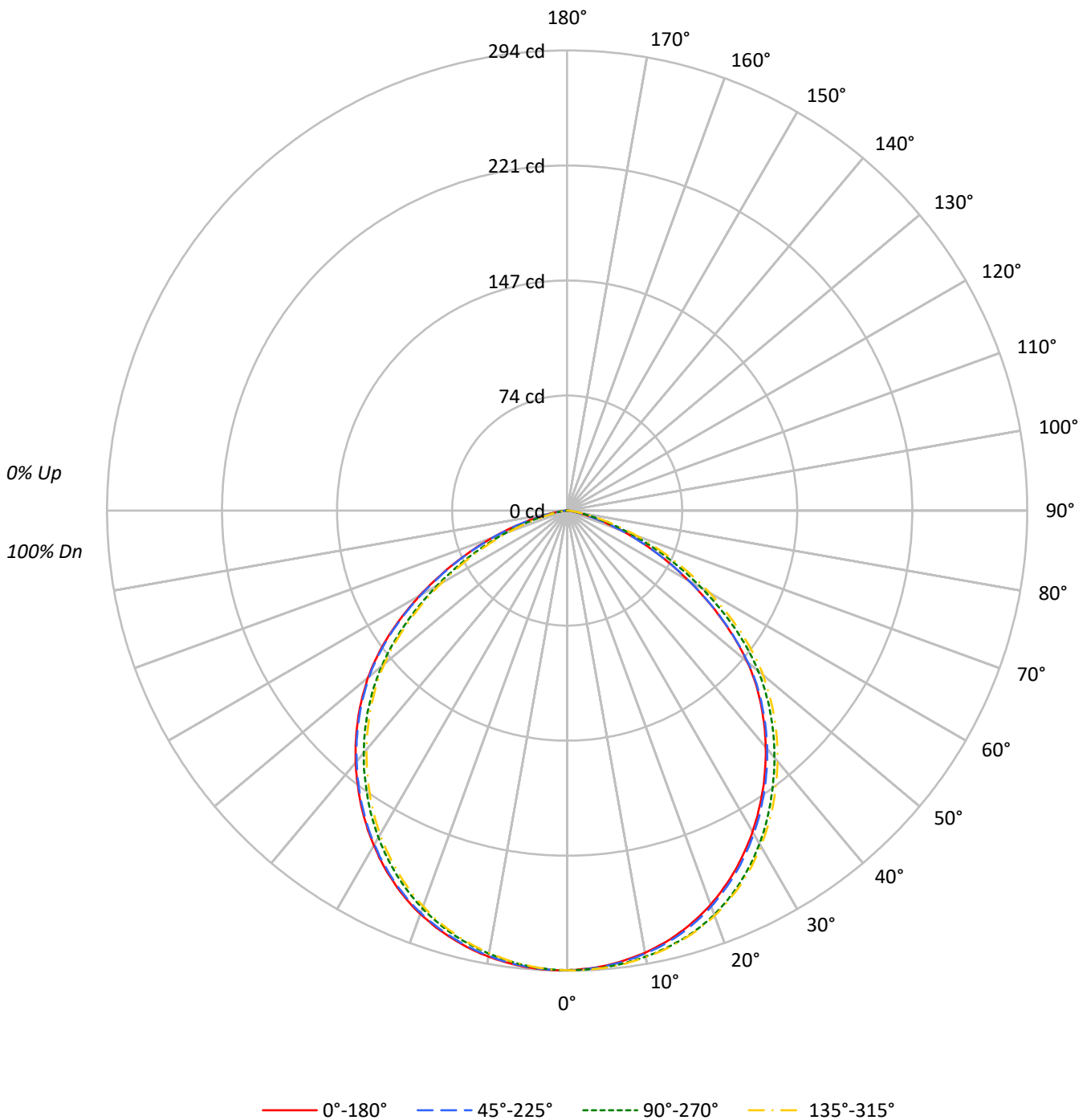
Input Watts (W): 8.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	121	121	121	121	118	118	118	118	113	113	113	108	108	108	104	104	104	102					102			
1	112	108	104	101	109	106	102	99	101	99	96	97	95	93	94	92	90					88				
2	103	95	89	84	100	93	88	83	90	85	81	87	83	79	84	80	77					75				
3	94	84	77	71	92	83	76	70	80	74	69	77	72	68	75	70	67					65				
4	87	75	67	61	84	74	66	60	72	65	59	69	63	59	67	62	58					56				
5	80	68	59	53	78	67	58	52	64	57	52	62	56	51	61	55	51					49				
6	74	61	52	46	72	60	52	46	58	51	46	57	50	45	55	49	45					43				
7	69	56	47	41	67	55	47	41	53	46	41	52	45	40	50	45	40					38				
8	64	51	42	37	62	50	42	37	49	42	36	48	41	36	46	40	36					34				
9	60	47	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33					31				
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30					28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16101	16101	16101	16101
5°	16047	16107	16118	16069
10°	15965	16104	16110	16004
15°	15829	16095	16067	15920
20°	15629	16031	16002	15775
25°	15346	15842	15854	15557
30°	14996	15559	15635	15262
35°	14583	15171	15372	14897
40°	14126	14742	15042	14470
45°	13575	14250	14660	13939
50°	12793	13577	14166	13194
55°	11507	12473	13276	12043
60°	9857	10920	11929	10525
65°	7952	9054	10235	8769
70°	5786	6908	8207	6668
75°	3516	4533	5740	4321
80°	1799	2368	3252	2210
85°	881	1447	2013	1447



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	27.8	3.9	3.9
10°-20°	79.4	11.1	11.2
20°-30°	119.1	16.6	16.9
30°-40°	140.2	19.5	19.9
40°-50°	140.2	19.5	19.9
50°-60°	115.1	16.0	16.3
60°-70°	69.2	9.6	9.8
70°-80°	23.9	3.3	3.4
80°-90°	2.9	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°	226.3	31.5	32.1
0°-40°	366.6	51.1	51.9
0°-60°	621.9	86.6	88.1
0°-90°	717.9	100.0	101.7
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°	717.9	100.0	101.7

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	294	294	294	294	294	
5°	292	293	293	292	292	28
15°	279	284	283	280	279	79
25°	254	262	262	257	254	117
35°	218	227	230	223	218	136
45°	175	184	189	180	175	135
55°	120	130	139	126	120	107
65°	61	70	79	68	61	61
75°	17	21	27	20	17	19
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°	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7
0.5°	293.5	293.6	293.7	294.0	293.6	293.7	293.8	293.8	293.7	293.7	293.8
1°	293.5	293.4	293.6	293.9	293.6	293.7	293.8	293.8	293.7	293.8	293.8
1.5°	293.3	293.3	293.5	293.8	293.6	293.7	293.8	293.8	293.7	293.8	293.7
2°	293.1	293.2	293.4	293.8	293.5	293.7	293.7	293.8	293.7	293.7	293.6
2.5°	293.0	293.0	293.2	293.7	293.4	293.6	293.7	293.7	293.6	293.6	293.5
3°	292.8	292.8	293.0	293.4	293.3	293.5	293.6	293.6	293.5	293.5	293.3
3.5°	292.5	292.7	292.8	293.3	293.2	293.4	293.4	293.5	293.4	293.3	293.2
4°	292.2	292.3	292.5	293.0	293.0	293.2	293.3	293.4	293.3	293.1	293.0
4.5°	291.9	292.0	292.2	292.8	292.9	293.1	293.2	293.1	293.0	293.0	292.8
5°	291.6	291.7	292.0	292.6	292.7	292.9	292.9	293.0	292.9	292.8	292.7
5.5°	291.2	291.3	291.6	292.3	292.4	292.7	292.8	292.8	292.7	292.4	292.3
6°	290.9	291.0	291.2	292.0	292.2	292.4	292.6	292.5	292.4	292.2	292.0
6.5°	290.4	290.6	290.9	291.6	291.9	292.1	292.3	292.2	292.1	291.8	291.8
7°	290.0	290.2	290.4	291.2	291.6	291.8	292.0	291.9	291.8	291.5	291.4
7.5°	289.5	289.7	290.0	290.9	291.2	291.5	291.7	291.6	291.4	291.1	291.1
8°	289.0	289.2	289.5	290.4	290.9	291.1	291.3	291.2	291.1	290.7	290.8
8.5°	288.5	288.7	289.1	290.0	290.6	290.8	291.0	290.8	290.7	290.4	290.3
9°	287.9	288.2	288.6	289.5	290.2	290.4	290.6	290.4	290.3	289.9	289.8
9.5°	287.4	287.6	288.0	289.1	289.7	290.0	290.2	289.9	289.8	289.4	289.3
10°	286.8	287.0	287.4	288.5	289.3	289.5	289.7	289.4	289.4	288.9	288.9
10.5°	286.1	286.5	286.8	288.0	288.9	289.1	289.3	288.9	288.9	288.4	288.4
11°	285.4	285.8	286.2	287.4	288.4	288.7	288.8	288.4	288.4	287.8	287.8
11.5°	284.8	285.1	285.6	286.8	287.9	288.1	288.3	287.9	287.8	287.3	287.3
12°	284.0	284.4	284.9	286.2	287.3	287.6	287.8	287.3	287.3	286.7	286.7
12.5°	283.3	283.6	284.1	285.5	286.8	287.0	287.3	286.7	286.6	286.1	286.0
13°	282.5	282.9	283.3	284.8	286.2	286.5	286.7	286.1	286.0	285.4	285.4
13.5°	281.7	282.1	282.5	284.1	285.6	285.9	286.0	285.4	285.3	284.7	284.8
14°	280.8	281.3	281.8	283.3	284.9	285.2	285.4	284.7	284.6	284.0	284.0
14.5°	279.9	280.4	280.9	282.6	284.3	284.6	284.8	284.0	283.9	283.2	283.2
15°	278.9	279.5	280.1	281.8	283.6	283.9	284.0	283.2	283.1	282.4	282.5
15.5°	278.0	278.6	279.1	280.9	282.9	283.2	283.3	282.5	282.4	281.7	281.8
16°	277.0	277.6	278.2	280.0	282.1	282.4	282.6	281.7	281.6	280.8	280.9
16.5°	276.0	276.6	277.1	279.0	281.4	281.6	281.9	280.9	280.8	280.1	280.1
17°	274.9	275.6	276.1	278.0	280.5	280.8	281.0	280.0	279.9	279.1	279.2
17.5°	273.9	274.5	275.1	277.0	279.7	280.0	280.3	279.1	279.1	278.3	278.4
18°	272.7	273.4	273.9	275.9	278.8	279.0	279.3	278.3	278.2	277.3	277.4
18.5°	271.6	272.2	272.8	274.8	277.8	278.1	278.4	277.3	277.2	276.4	276.6
19°	270.4	271.0	271.6	273.6	276.9	277.1	277.5	276.4	276.2	275.4	275.5
19.5°	269.2	269.7	270.5	272.5	275.8	276.1	276.5	275.4	275.3	274.5	274.6
20°	267.9	268.6	269.2	271.2	274.8	275.1	275.4	274.5	274.3	273.5	273.5
20.5°	266.6	267.2	267.9	270.0	273.6	274.0	274.4	273.4	273.3	272.5	272.5
21°	265.3	266.1	266.6	268.8	272.5	272.9	273.3	272.3	272.2	271.3	271.4
21.5°	263.9	264.6	265.3	267.5	271.2	271.7	272.1	271.1	271.0	270.2	270.3
22°	262.5	263.2	263.9	266.2	270.0	270.5	270.9	270.0	269.8	269.0	269.1



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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°	261.1	261.8	262.5	264.7	268.8	269.2	269.6	268.7	268.6	267.8	267.9
23°	259.7	260.4	261.1	263.4	267.4	268.0	268.4	267.5	267.3	266.5	266.6
23.5°	258.3	258.9	259.7	261.9	266.2	266.7	267.1	266.3	266.2	265.3	265.3
24°	256.8	257.5	258.2	260.5	264.7	265.3	265.9	264.9	264.8	264.0	264.1
24.5°	255.2	256.1	256.7	259.0	263.3	263.9	264.5	263.6	263.5	262.6	262.7
25°	253.7	254.6	255.2	257.5	261.9	262.5	263.1	262.2	262.1	261.2	261.4
25.5°	252.2	253.0	253.6	256.0	260.4	261.0	261.7	260.8	260.7	259.8	260.0
26°	250.5	251.4	252.1	254.5	258.9	259.5	260.2	259.4	259.3	258.4	258.6
26.5°	248.9	249.8	250.4	252.7	257.4	258.0	258.8	257.9	257.9	256.9	257.1
27°	247.3	248.1	248.7	251.1	255.8	256.6	257.3	256.5	256.5	255.5	255.6
27.5°	245.6	246.4	247.1	249.4	254.3	255.0	255.7	255.0	254.9	253.9	254.2
28°	243.9	244.8	245.4	247.8	252.6	253.3	254.2	253.3	253.4	252.5	252.7
28.5°	242.2	243.1	243.7	246.1	251.0	251.6	252.5	251.8	251.9	250.9	251.2
29°	240.5	241.3	242.0	244.4	249.2	249.9	251.0	250.2	250.2	249.3	249.5
29.5°	238.7	239.5	240.2	242.6	247.5	248.2	249.3	248.5	248.6	247.6	247.9
30°	236.9	237.8	238.4	240.8	245.8	246.4	247.6	246.9	247.0	246.1	246.3
30.5°	235.1	236.0	236.6	238.9	244.0	244.7	245.8	245.2	245.4	244.4	244.7
31°	233.3	234.2	234.8	237.1	242.1	242.9	244.1	243.5	243.8	242.8	243.0
31.5°	231.4	232.4	232.9	235.3	240.4	241.0	242.3	241.7	242.1	241.0	241.3
32°	229.6	230.6	231.1	233.4	238.4	239.1	240.5	240.0	240.4	239.2	239.6
32.5°	227.6	228.7	229.2	231.6	236.6	237.3	238.8	238.3	238.5	237.5	237.8
33°	225.7	226.7	227.2	229.6	234.6	235.4	237.0	236.4	236.8	235.7	236.1
33.5°	223.8	224.8	225.3	227.6	232.6	233.4	235.1	234.6	235.1	233.9	234.3
34°	221.9	222.9	223.4	225.6	230.7	231.5	233.2	232.8	233.3	232.2	232.4
34.5°	219.9	221.0	221.5	223.6	228.7	229.5	231.4	231.0	231.5	230.4	230.6
35°	217.9	219.1	219.5	221.7	226.7	227.4	229.4	229.1	229.7	228.5	228.8
35.5°	216.0	217.1	217.5	219.6	224.7	225.4	227.4	227.1	227.8	226.7	227.0
36°	214.0	215.1	215.4	217.6	222.7	223.4	225.4	225.2	225.9	224.8	225.1
36.5°	211.9	213.1	213.4	215.6	220.6	221.4	223.5	223.3	223.8	222.8	223.1
37°	209.9	211.0	211.3	213.5	218.5	219.3	221.4	221.4	221.9	220.9	221.2
37.5°	207.9	209.0	209.3	211.3	216.5	217.3	219.4	219.5	220.0	219.0	219.2
38°	205.8	206.9	207.3	209.3	214.5	215.3	217.4	217.5	218.1	217.1	217.3
38.5°	203.7	204.9	205.2	207.2	212.4	213.2	215.3	215.5	216.1	215.1	215.3
39°	201.7	202.8	203.1	205.1	210.3	211.1	213.3	213.5	214.2	213.1	213.3
39.5°	199.5	200.7	200.9	203.0	208.2	209.0	211.2	211.4	212.2	211.0	211.3
40°	197.4	198.6	198.7	200.8	206.0	206.8	209.1	209.3	210.2	209.1	209.3
40.5°	195.2	196.4	196.7	198.6	203.8	204.7	206.9	207.3	208.1	207.1	207.2
41°	193.1	194.3	194.4	196.4	201.7	202.5	204.8	205.3	206.0	205.0	205.2
41.5°	190.9	192.0	192.2	194.2	199.5	200.4	202.7	203.1	204.0	202.9	203.1
42°	188.7	189.8	189.9	191.9	197.4	198.2	200.6	201.1	201.9	200.9	201.0
42.5°	186.4	187.7	187.7	189.7	195.2	196.0	198.4	198.9	199.8	198.7	199.0
43°	184.2	185.4	185.4	187.4	192.9	193.7	196.3	196.8	197.8	196.7	196.8
43.5°	181.9	183.2	183.0	185.1	190.7	191.5	194.1	194.6	195.6	194.5	194.6
44°	179.6	180.9	180.9	182.8	188.4	189.2	191.8	192.3	193.4	192.3	192.5
44.5°	177.4	178.6	178.4	180.4	186.1	186.9	189.5	190.1	191.2	190.2	190.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	175.1	176.3	176.1	178.1	183.8	184.7	187.2	187.9	189.1	188.0	188.1
45.5°	172.7	174.0	173.8	175.7	181.5	182.4	185.0	185.6	186.9	185.8	185.8
46°	170.4	171.6	171.4	173.3	179.2	180.0	182.6	183.4	184.7	183.6	183.7
46.5°	168.1	169.3	169.0	170.9	176.8	177.7	180.3	181.1	182.4	181.3	181.4
47°	165.7	166.9	166.7	168.5	174.4	175.4	177.9	178.7	180.2	179.1	179.1
47.5°	163.3	164.4	164.1	166.1	172.0	173.0	175.5	176.3	177.7	176.8	176.8
48°	160.8	161.8	161.6	163.5	169.5	170.6	173.1	174.0	175.4	174.5	174.4
48.5°	158.2	159.3	159.0	161.0	167.0	168.3	170.7	171.6	173.1	172.2	172.1
49°	155.6	156.7	156.3	158.4	164.5	165.7	168.3	169.2	170.7	169.9	169.7
49.5°	152.9	153.9	153.5	155.8	161.8	163.2	166.0	166.9	168.4	167.5	167.4
50°	150.0	151.1	150.8	153.1	159.2	160.5	163.4	164.3	166.1	165.1	165.0
50.5°	147.2	148.4	147.8	150.2	156.7	157.8	160.9	161.8	163.5	162.6	162.6
51°	144.3	145.4	145.0	147.3	153.9	155.1	158.2	159.2	161.0	160.1	160.1
51.5°	141.5	142.6	142.1	144.5	151.1	152.4	155.5	156.5	158.5	157.5	157.5
52°	138.6	139.6	139.0	141.5	148.2	149.5	152.7	153.8	155.8	154.8	154.8
52.5°	135.5	136.6	136.1	138.5	145.3	146.7	150.0	151.0	153.1	152.2	152.1
53°	132.6	133.7	133.0	135.6	142.5	143.8	147.1	148.2	150.3	149.4	149.4
53.5°	129.4	130.5	130.0	132.6	139.6	140.8	144.3	145.3	147.5	146.6	146.6
54°	126.5	127.5	126.9	129.5	136.5	137.8	141.4	142.4	144.7	143.7	143.8
54.5°	123.3	124.4	123.9	126.5	133.5	134.9	138.4	139.6	141.8	140.8	140.9
55°	120.4	121.3	120.8	123.5	130.5	131.8	135.5	136.7	138.9	138.1	138.0
55.5°	117.3	118.2	117.8	120.2	127.4	129.0	132.4	133.6	135.9	135.0	134.9
56°	114.3	115.0	114.7	117.2	124.2	125.9	129.4	130.7	132.9	132.1	132.0
56.5°	111.3	112.0	111.7	114.1	121.2	122.8	126.5	127.8	130.0	129.2	129.0
57°	108.1	108.9	108.5	111.1	118.1	119.6	123.5	124.6	127.1	126.1	126.1
57.5°	105.1	105.8	105.4	107.9	115.0	116.5	120.3	121.6	124.0	123.1	123.1
58°	102.0	102.7	102.4	104.8	111.8	113.5	117.3	118.6	120.9	120.0	120.0
58.5°	98.9	99.7	99.2	101.8	108.8	110.4	114.3	115.5	117.9	117.0	116.9
59°	96.0	96.7	96.3	98.7	105.7	107.3	111.2	112.5	114.8	114.0	113.9
59.5°	92.9	93.5	93.2	95.6	102.6	104.3	108.1	109.5	111.8	111.0	111.0
60°	89.9	90.6	90.2	92.6	99.6	101.2	105.1	106.4	108.8	107.9	107.8
60.5°	86.9	87.7	87.2	89.6	96.6	98.1	102.1	103.4	105.8	104.8	104.8
61°	83.9	84.7	84.1	86.6	93.4	94.9	99.1	100.3	102.8	101.8	101.8
61.5°	81.0	81.7	81.2	83.6	90.4	91.9	95.9	97.3	99.8	98.7	98.8
62°	78.0	78.8	78.3	80.7	87.5	88.9	93.0	94.2	96.8	95.8	95.7
62.5°	75.2	75.9	75.5	77.8	84.4	86.0	90.0	91.2	93.6	92.8	92.7
63°	72.4	73.0	72.6	74.9	81.4	83.1	86.9	88.3	90.6	89.9	89.8
63.5°	69.7	70.2	69.8	72.1	78.5	80.1	84.0	85.4	87.7	86.9	86.8
64°	66.8	67.5	67.0	69.2	75.7	77.0	81.2	82.4	84.8	84.0	83.9
64.5°	64.1	64.7	64.2	66.4	72.7	74.3	78.1	79.5	81.8	81.0	81.0
65°	61.3	61.9	61.4	63.6	69.8	71.4	75.3	76.5	78.9	78.0	78.0
65.5°	58.6	59.2	58.7	60.9	67.1	68.5	72.4	73.7	76.0	75.1	75.3
66°	55.9	56.6	56.0	58.2	64.2	65.8	69.4	70.8	73.1	72.4	72.3
66.5°	53.4	53.9	53.6	55.4	61.4	63.0	66.7	68.0	70.3	69.6	69.4
67°	50.7	51.3	50.8	52.9	58.7	60.2	63.8	65.2	67.4	66.7	66.6



TEST NUMBER: P294435

CATALOG NUMBER: RL6069S1EWHDM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	48.2	48.7	48.3	50.3	56.1	57.5	61.1	62.4	64.6	63.9	63.9
68°	45.7	46.2	45.7	47.8	53.4	54.9	58.5	59.7	62.0	61.1	61.2
68.5°	43.3	43.8	43.3	45.2	50.8	52.1	55.8	57.0	59.2	58.4	58.5
69°	40.8	41.3	40.9	42.8	48.1	49.5	53.1	54.1	56.6	55.7	55.7
69.5°	38.4	39.0	38.4	40.4	45.6	46.9	50.4	51.5	53.8	53.0	53.2
70°	36.1	36.6	36.2	37.9	43.1	44.5	47.8	48.9	51.2	50.4	50.5
70.5°	33.8	34.3	33.9	35.6	40.8	41.9	45.3	46.4	48.5	47.8	47.9
71°	31.7	32.1	31.6	33.4	38.3	39.6	42.8	43.8	46.0	45.3	45.3
71.5°	29.4	30.0	29.5	31.2	35.9	37.2	40.4	41.4	43.4	42.8	42.9
72°	27.4	28.0	27.3	29.1	33.7	34.7	37.8	38.9	41.0	40.2	40.5
72.5°	25.4	25.9	25.4	26.9	31.4	32.4	35.5	36.5	38.5	37.9	37.9
73°	23.6	23.9	23.6	25.0	29.3	30.3	33.3	34.2	36.1	35.5	35.5
73.5°	21.8	21.9	21.7	23.1	27.1	28.3	31.0	31.9	33.8	33.2	33.2
74°	20.0	20.1	19.9	21.2	25.1	26.2	28.8	29.8	31.4	30.9	31.0
74.5°	18.3	18.5	18.2	19.5	23.2	24.0	26.7	27.5	29.3	28.8	28.9
75°	16.6	16.9	16.6	17.7	21.4	22.1	24.8	25.5	27.1	26.7	26.8
75.5°	15.0	15.3	14.9	16.2	19.6	20.3	22.8	23.5	25.1	24.6	24.9
76°	13.5	14.0	13.4	14.6	17.9	18.5	20.8	21.5	23.1	22.6	22.8
76.5°	12.3	12.5	12.2	13.2	16.2	16.8	19.0	19.6	21.2	20.6	20.8
77°	11.2	11.1	11.1	12.0	14.6	15.4	17.3	17.9	19.4	18.9	19.0
77.5°	9.8	10.0	9.7	10.7	13.2	13.9	15.8	16.3	17.6	17.1	17.3
78°	8.9	9.1	8.8	9.4	12.0	12.5	14.3	14.7	16.1	15.6	15.8
78.5°	7.7	7.9	7.6	8.5	10.7	11.2	12.7	13.1	14.5	14.1	14.3
79°	7.0	7.1	6.8	7.5	9.4	9.9	11.4	11.7	12.8	12.6	12.7
79.5°	6.1	6.2	6.0	6.6	8.6	8.9	10.3	10.6	11.6	11.3	11.3
80°	5.7	5.7	5.4	5.8	7.5	7.7	9.2	9.5	10.3	10.0	10.1
80.5°	5.0	4.9	4.8	5.1	6.6	7.0	7.9	8.3	9.2	8.9	9.1
81°	4.4	4.3	4.2	4.6	5.8	6.1	7.0	7.4	8.0	7.7	7.8
81.5°	4.0	4.0	4.0	4.0	5.1	5.6	6.0	6.4	7.1	7.0	6.9
82°	3.6	3.7	3.4	3.9	4.7	4.9	5.6	5.8	6.2	6.0	6.0
82.5°	3.2	3.2	3.1	3.2	4.1	4.3	4.8	5.0	5.7	5.4	5.6
83°	2.9	2.8	2.7	2.9	4.0	4.0	4.1	4.5	4.9	4.8	4.8
83.5°	2.4	2.4	2.3	2.4	3.3	3.5	4.0	4.1	4.2	4.3	4.1
84°	2.3	2.2	2.3	2.3	3.0	3.2	3.3	3.9	4.0	4.0	4.0
84.5°	1.8	1.7	1.7	2.1	2.5	2.8	3.1	3.2	3.6	3.5	3.3
85°	1.4	1.4	1.5	1.7	2.3	2.4	2.7	2.9	3.2	3.2	3.1
85.5°	1.5	1.5	1.6	1.3	2.2	2.2	2.3	2.5	2.8	2.8	2.8
86°	0.7	0.7	0.7	0.9	1.7	1.6	2.2	2.3	2.3	2.4	2.3
86.5°	0.6	0.5	0.6	0.6	1.3	1.4	1.6	2.1	2.2	2.3	2.2
87°	0.5	0.4	0.4	0.5	1.0	1.6	1.4	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.6	0.8	1.4	1.4	1.4	1.5	1.4
88°	0.0	0.0	0.0	0.3	0.5	0.6	0.6	0.8	1.4	1.5	1.4
88.5°	0.0	0.0	0.0	0.0	0.0	0.5	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: P294435

CATALOG NUMBER: RL6069S1EWHDM-3500K

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: P294435

CATALOG NUMBER: RL6069S1EWHDM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	293.7	293.7	293.7	293.7	293.7	293.7
0.5°	294.1	293.6	293.6	293.7	293.6	293.5
1°	294.0	293.5	293.4	293.5	293.5	293.5
1.5°	294.0	293.5	293.3	293.5	293.3	293.3
2°	293.9	293.4	293.3	293.3	293.2	293.1
2.5°	293.9	293.2	293.0	293.1	293.0	293.0
3°	293.7	293.0	292.9	292.9	292.8	292.8
3.5°	293.5	292.8	292.7	292.7	292.7	292.5
4°	293.3	292.6	292.4	292.4	292.3	292.2
4.5°	293.1	292.2	292.1	292.1	292.0	291.9
5°	292.9	292.0	291.9	291.7	291.7	291.6
5.5°	292.6	291.6	291.5	291.4	291.3	291.2
6°	292.2	291.3	291.1	291.0	291.0	290.9
6.5°	292.0	290.9	290.8	290.6	290.6	290.4
7°	291.6	290.5	290.4	290.2	290.2	290.0
7.5°	291.2	290.0	289.9	289.7	289.7	289.5
8°	290.8	289.5	289.5	289.3	289.2	289.0
8.5°	290.4	289.1	289.1	288.7	288.7	288.5
9°	289.9	288.6	288.5	288.2	288.2	287.9
9.5°	289.5	288.0	288.0	287.6	287.6	287.4
10°	288.9	287.5	287.4	287.0	287.0	286.8
10.5°	288.4	286.9	286.8	286.4	286.4	286.1
11°	287.8	286.3	286.2	285.8	285.7	285.4
11.5°	287.2	285.7	285.6	285.1	285.0	284.8
12°	286.7	285.0	284.9	284.4	284.3	284.0
12.5°	286.0	284.3	284.3	283.7	283.6	283.3
13°	285.3	283.6	283.6	283.0	282.9	282.5
13.5°	284.7	282.9	282.9	282.2	282.0	281.7
14°	283.9	282.2	282.1	281.3	281.2	280.8
14.5°	283.2	281.3	281.3	280.5	280.4	279.9
15°	282.4	280.5	280.5	279.6	279.5	278.9
15.5°	281.6	279.6	279.6	278.7	278.5	278.0
16°	280.8	278.8	278.7	277.8	277.5	277.0
16.5°	280.0	277.8	277.8	276.8	276.6	276.0
17°	279.1	276.9	276.8	275.8	275.5	274.9
17.5°	278.3	275.8	275.8	274.7	274.5	273.9
18°	277.3	274.8	274.8	273.7	273.4	272.7
18.5°	276.4	273.7	273.7	272.5	272.2	271.6
19°	275.4	272.7	272.6	271.4	271.0	270.4
19.5°	274.4	271.6	271.4	270.2	269.8	269.2
20°	273.4	270.4	270.3	269.1	268.7	267.9
20.5°	272.3	269.2	269.1	267.8	267.3	266.6
21°	271.1	268.0	267.9	266.6	266.2	265.3
21.5°	270.0	266.7	266.6	265.2	264.7	263.9
22°	268.8	265.5	265.3	263.9	263.4	262.5



TEST NUMBER: P294435

CATALOG NUMBER: RL6069S1EWHDM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	267.6	264.2	264.0	262.5	261.9	261.1
23°	266.4	262.8	262.6	261.2	260.6	259.7
23.5°	265.0	261.5	261.2	259.7	259.1	258.3
24°	263.7	260.1	259.9	258.4	257.7	256.8
24.5°	262.3	258.6	258.4	256.8	256.3	255.2
25°	260.9	257.2	257.0	255.3	254.7	253.7
25.5°	259.5	255.7	255.5	253.8	253.2	252.2
26°	258.1	254.2	253.9	252.3	251.7	250.5
26.5°	256.7	252.7	252.4	250.7	250.0	248.9
27°	255.1	251.1	250.8	249.1	248.4	247.3
27.5°	253.6	249.5	249.2	247.4	246.7	245.6
28°	252.1	247.9	247.6	245.8	245.1	243.9
28.5°	250.5	246.2	245.9	244.1	243.4	242.2
29°	248.9	244.5	244.2	242.4	241.7	240.5
29.5°	247.2	242.8	242.5	240.7	240.0	238.7
30°	245.7	241.1	240.7	238.8	238.2	236.9
30.5°	244.1	239.4	238.9	237.1	236.3	235.1
31°	242.4	237.6	237.1	235.3	234.6	233.3
31.5°	240.7	235.8	235.3	233.5	232.7	231.4
32°	238.8	234.0	233.5	231.7	230.9	229.6
32.5°	237.0	232.2	231.6	229.7	229.0	227.6
33°	235.2	230.3	229.7	227.8	227.1	225.7
33.5°	233.4	228.5	227.9	225.9	225.3	223.8
34°	231.6	226.6	225.8	224.0	223.3	221.9
34.5°	229.8	224.6	223.9	222.0	221.4	219.9
35°	227.9	222.6	221.9	220.0	219.4	217.9
35.5°	225.9	220.6	219.9	218.0	217.5	216.0
36°	224.0	218.6	217.9	216.0	215.5	214.0
36.5°	222.1	216.6	215.9	214.0	213.5	211.9
37°	220.1	214.6	213.9	211.9	211.5	209.9
37.5°	218.2	212.6	211.9	210.0	209.4	207.9
38°	216.2	210.7	209.8	207.9	207.3	205.8
38.5°	214.2	208.6	207.7	205.8	205.3	203.7
39°	212.2	206.5	205.6	203.7	203.3	201.7
39.5°	210.2	204.3	203.6	201.6	201.2	199.5
40°	208.1	202.2	201.4	199.4	199.0	197.4
40.5°	206.0	200.0	199.3	197.2	196.8	195.2
41°	203.9	197.9	197.0	195.1	194.7	193.1
41.5°	201.8	195.7	195.0	193.0	192.5	190.9
42°	199.6	193.5	192.8	190.7	190.3	188.7
42.5°	197.4	191.3	190.6	188.4	188.1	186.4
43°	195.2	189.0	188.4	186.2	185.9	184.2
43.5°	193.0	186.7	186.1	183.9	183.7	181.9
44°	190.8	184.4	183.9	181.7	181.4	179.6
44.5°	188.6	182.2	181.6	179.4	179.1	177.4



TEST NUMBER: P294435

CATALOG NUMBER: RL6069S1EWHDM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	186.3	179.8	179.2	177.1	176.8	175.1
45.5°	184.0	177.4	176.9	174.8	174.5	172.7
46°	181.7	175.0	174.6	172.4	172.2	170.4
46.5°	179.3	172.6	172.2	170.1	169.8	168.1
47°	176.9	170.2	169.9	167.7	167.5	165.7
47.5°	174.6	167.7	167.5	165.3	165.0	163.3
48°	172.2	165.2	165.0	162.9	162.5	160.8
48.5°	169.8	162.6	162.6	160.5	160.0	158.2
49°	167.4	160.0	160.0	157.9	157.5	155.6
49.5°	164.9	157.5	157.4	155.2	155.0	152.9
50°	162.3	154.7	154.8	152.7	152.2	150.0
50.5°	159.8	152.0	152.2	149.7	149.3	147.2
51°	157.2	149.3	149.3	146.9	146.6	144.3
51.5°	154.6	146.5	146.5	144.1	143.7	141.5
52°	151.8	143.6	143.6	141.3	140.8	138.6
52.5°	149.1	140.7	140.8	138.5	137.9	135.5
53°	146.2	137.9	137.9	135.3	134.8	132.6
53.5°	143.4	134.9	134.9	132.4	131.9	129.4
54°	140.5	131.9	132.0	129.4	128.8	126.5
54.5°	137.4	128.9	128.9	126.3	125.7	123.3
55°	134.5	126.0	125.9	123.3	122.7	120.4
55.5°	131.6	123.0	122.9	120.4	119.6	117.3
56°	128.7	120.0	119.9	117.3	116.5	114.3
56.5°	125.7	117.0	116.8	114.2	113.4	111.3
57°	122.6	114.0	113.8	111.2	110.4	108.1
57.5°	119.5	110.9	110.9	108.0	107.3	105.1
58°	116.5	107.9	107.7	105.0	104.2	102.0
58.5°	113.6	104.9	104.7	102.0	101.2	98.9
59°	110.5	102.0	101.7	98.9	98.1	96.0
59.5°	107.5	99.0	98.7	95.9	95.1	92.9
60°	104.5	96.0	95.7	92.8	92.1	89.9
60.5°	101.5	93.1	92.7	90.0	89.2	86.9
61°	98.4	90.2	89.8	86.9	86.3	83.9
61.5°	95.4	87.2	86.8	83.9	83.3	81.0
62°	92.4	84.2	83.9	81.0	80.3	78.0
62.5°	89.5	81.5	81.0	78.1	77.3	75.2
63°	86.6	78.6	78.0	75.3	74.5	72.4
63.5°	83.7	75.9	75.3	72.5	71.7	69.7
64°	80.7	73.0	72.5	69.8	69.0	66.8
64.5°	77.8	70.2	69.6	66.9	66.1	64.1
65°	75.1	67.6	67.0	64.1	63.3	61.3
65.5°	72.2	64.7	64.1	61.3	60.6	58.6
66°	69.5	62.1	61.4	58.7	57.9	55.9
66.5°	66.7	59.4	58.8	56.0	55.1	53.4
67°	63.9	56.8	56.2	53.5	52.6	50.7



TEST NUMBER: P294435

CATALOG NUMBER: RL6069S1EWHDM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	61.1	54.2	53.5	50.8	50.0	48.2
68°	58.5	51.7	51.1	48.2	47.5	45.7
68.5°	55.8	49.0	48.4	45.7	45.1	43.3
69°	53.2	46.5	45.9	43.3	42.6	40.8
69.5°	50.5	44.0	43.4	40.9	40.2	38.4
70°	48.0	41.6	40.9	38.4	37.7	36.1
70.5°	45.5	39.4	38.7	36.1	35.5	33.8
71°	43.1	37.0	36.3	33.9	33.3	31.7
71.5°	40.7	34.6	34.0	31.7	31.1	29.4
72°	38.1	32.5	31.9	29.5	29.0	27.4
72.5°	35.9	30.4	29.7	27.3	26.8	25.4
73°	33.6	28.4	27.6	25.5	24.9	23.6
73.5°	31.4	26.3	25.4	23.6	23.1	21.8
74°	29.2	24.2	23.5	21.7	21.2	20.0
74.5°	27.1	22.3	21.6	19.9	19.4	18.3
75°	25.1	20.4	19.8	18.2	17.8	16.6
75.5°	23.1	18.7	18.1	16.5	16.2	15.0
76°	21.1	17.0	16.5	15.0	14.5	13.5
76.5°	19.4	15.5	15.1	13.3	13.1	12.3
77°	17.6	14.1	13.5	12.1	11.9	11.2
77.5°	16.0	12.5	12.1	10.8	10.7	9.8
78°	14.5	11.3	10.9	9.6	9.4	8.9
78.5°	12.9	9.9	9.6	8.6	8.5	7.7
79°	11.5	8.9	8.6	7.7	7.5	7.0
79.5°	10.4	7.8	7.5	6.7	6.7	6.1
80°	9.4	7.0	6.6	5.9	5.8	5.7
80.5°	8.0	6.0	5.8	5.2	5.2	5.0
81°	7.1	5.4	5.1	4.7	4.7	4.4
81.5°	6.2	4.8	4.6	4.1	4.1	4.0
82°	5.8	4.2	4.0	3.9	3.9	3.6
82.5°	5.0	4.0	3.9	3.4	3.3	3.2
83°	4.3	3.4	3.2	3.0	3.0	2.9
83.5°	4.0	3.1	3.0	2.6	2.5	2.4
84°	3.7	2.8	2.4	2.3	2.3	2.3
84.5°	3.2	2.4	2.3	2.3	2.2	1.8
85°	2.9	2.3	2.2	1.7	1.7	1.4
85.5°	2.4	1.7	1.7	1.5	1.4	1.5
86°	2.2	1.4	1.3	1.6	1.4	0.7
86.5°	1.9	1.6	1.1	0.7	0.6	0.6
87°	1.5	0.7	0.6	0.6	0.5	0.5
87.5°	1.4	0.6	0.5	0.4	0.0	0.0
88°	0.8	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: P294435

CATALOG NUMBER: RL6069S1EWHDM-3500K

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)