

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: P522105

Luminaire Tested: **RLLV6069BLE40AWHDM-3500K-UNIT**

Issue Date: 5/10/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P522105  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A1809075B001)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/10/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: RLLV6069BLE40AWHDM-3500K-UNIT  
Description: Surface Mount Downlight Fixture, Single Unit  
Light Source: (16) 3500K CCT, 94 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

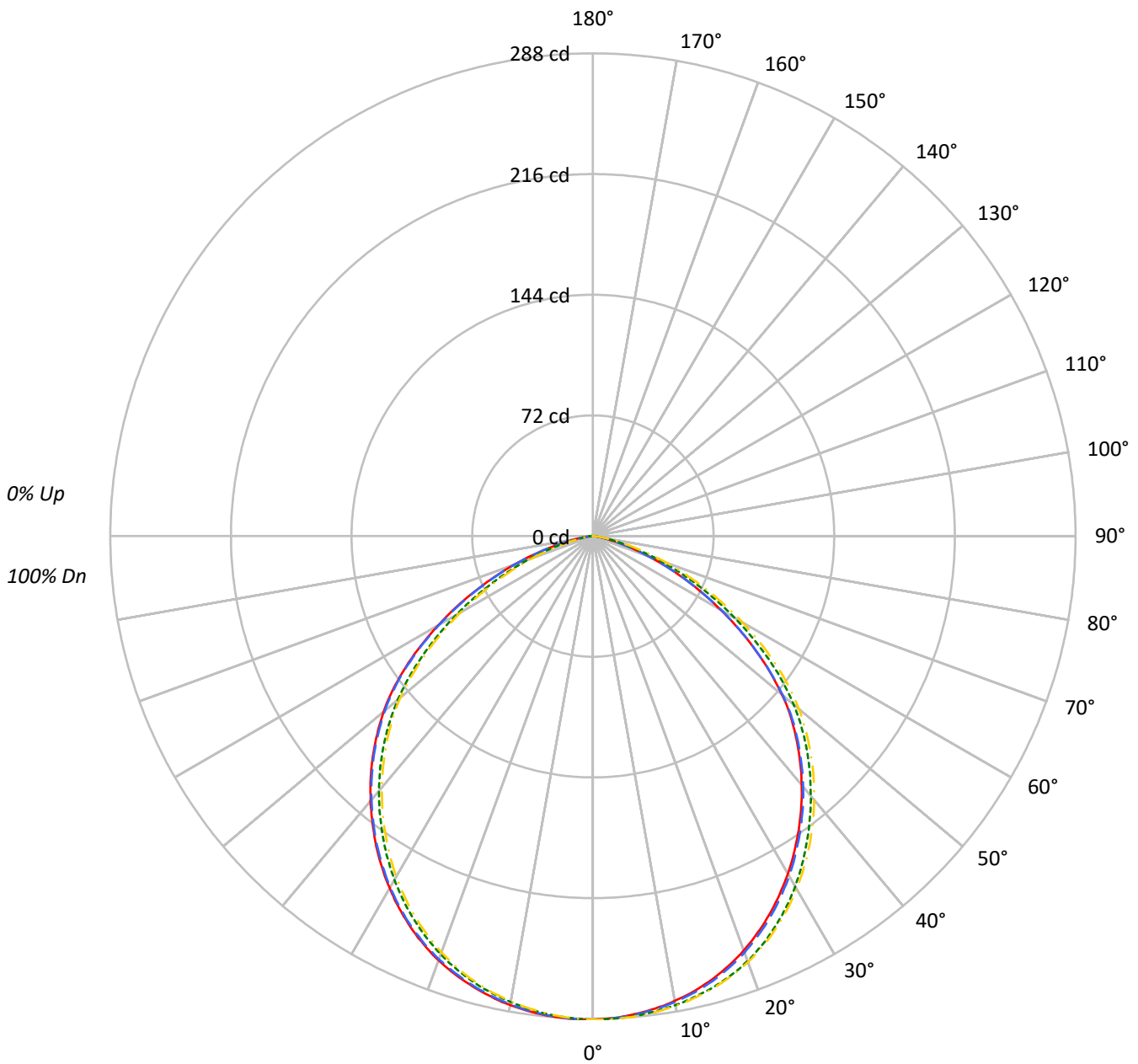
Lumens per Lamp: 706.09 (16 lamps)  
Luminaire Lumens: 705.0 lumens  
Efficiency: 6.2%  
Efficacy: 105.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6.7  
Input Voltage (V): 120  
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



TEST NUMBER: P522105  
CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - · 90°-270°    - · - · 135°-315°



TEST NUMBER: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20
RC	80				70				50				30				10				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6
1	7	7	6	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5
2	6	6	5	5	6	6	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5
3	6	5	5	4	6	5	5	4	5	5	4	5	4	4	5	4	4	5	4	4	4
4	5	5	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
5	5	4	4	3	5	4	4	3	4	4	3	4	3	3	4	3	3	4	3	3	3
6	5	4	3	3	4	4	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3
7	4	3	3	3	4	3	3	3	3	3	2	3	3	2	3	3	2	3	3	2	2
8	4	3	3	2	4	3	3	2	3	3	2	3	3	2	3	3	2	3	2	2	2
9	4	3	2	2	4	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2	2
10	3	3	2	2	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	15816	15816	15816	15816
5°	15755	15815	15827	15777
10°	15676	15820	15820	15714
15°	15551	15812	15783	15630
20°	15349	15740	15716	15489
25°	15073	15557	15569	15279
30°	14730	15281	15350	14990
35°	14328	14897	15091	14636
40°	13876	14477	14778	14212
45°	13327	13994	14389	13691
50°	12562	13339	13910	12963
55°	11297	12253	13037	11823
60°	9670	10723	11721	10339
65°	7809	8886	10053	8613
70°	5690	6796	8062	6556
75°	3452	4448	5634	4236
80°	1768	2336	3189	2178
85°	881	1447	1950	1447



TEST NUMBER: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	27.3	3.9	0.2
10°-20°	78.0	11.1	0.7
20°-30°	117.0	16.6	1.0
30°-40°	137.7	19.5	1.2
40°-50°	137.7	19.5	1.2
50°-60°	113.1	16.0	1.0
60°-70°	67.9	9.6	0.6
70°-80°	23.5	3.3	0.2
80°-90°	2.8	0.4	0.0
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°	222.3	31.5	2.0
0°-40°	360.0	51.1	3.2
0°-60°	610.8	86.6	5.4
0°-90°	705.0	100.0	6.2
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°	705.0	100.0	6.2

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	288	288	288	288	288	
5°	286	287	288	287	286	27
15°	274	279	278	275	274	77
25°	249	257	257	253	249	115
35°	214	223	226	219	214	134
45°	172	180	186	177	172	132
55°	118	128	136	124	118	105
65°	60	68	78	66	60	60
75°	16	21	27	20	16	19
85°	1	2	3	2	1	2
90°	0	0	0	0	0	



TEST NUMBER: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5
0.5°	288.3	288.3	288.5	288.7	288.4	288.4	288.5	288.5	288.5	288.5	288.5
1°	288.2	288.2	288.4	288.7	288.4	288.5	288.5	288.5	288.5	288.5	288.5
1.5°	288.1	288.0	288.2	288.6	288.3	288.5	288.5	288.5	288.5	288.5	288.5
2°	287.9	287.9	288.1	288.5	288.3	288.4	288.5	288.5	288.5	288.5	288.4
2.5°	287.8	287.7	287.9	288.4	288.2	288.3	288.4	288.5	288.4	288.4	288.2
3°	287.6	287.6	287.8	288.2	288.1	288.2	288.3	288.3	288.3	288.2	288.1
3.5°	287.3	287.4	287.5	288.0	287.9	288.1	288.1	288.2	288.1	288.1	287.9
4°	286.9	287.0	287.3	287.8	287.8	288.0	288.0	288.1	288.0	287.9	287.7
4.5°	286.7	286.7	287.0	287.6	287.6	287.8	287.9	287.9	287.8	287.7	287.6
5°	286.3	286.4	286.7	287.4	287.4	287.6	287.7	287.8	287.6	287.5	287.4
5.5°	286.0	286.1	286.3	287.0	287.2	287.4	287.5	287.5	287.4	287.2	287.1
6°	285.6	285.7	286.0	286.7	286.9	287.1	287.4	287.2	287.1	286.9	286.8
6.5°	285.2	285.3	285.6	286.3	286.7	286.9	287.0	286.9	286.8	286.5	286.5
7°	284.7	284.9	285.2	286.0	286.3	286.5	286.8	286.6	286.5	286.2	286.2
7.5°	284.3	284.6	284.7	285.6	286.0	286.2	286.4	286.3	286.2	285.9	285.8
8°	283.8	284.1	284.4	285.2	285.7	285.9	286.1	285.9	285.8	285.5	285.5
8.5°	283.4	283.6	283.9	284.7	285.3	285.5	285.7	285.6	285.4	285.1	285.0
9°	282.8	283.0	283.4	284.3	284.9	285.1	285.3	285.1	285.0	284.6	284.6
9.5°	282.3	282.5	282.8	283.9	284.6	284.7	284.9	284.6	284.6	284.3	284.2
10°	281.6	281.9	282.3	283.3	284.2	284.4	284.6	284.3	284.2	283.7	283.7
10.5°	280.9	281.3	281.7	282.8	283.7	284.0	284.1	283.7	283.7	283.3	283.2
11°	280.3	280.6	281.0	282.2	283.2	283.5	283.6	283.3	283.2	282.7	282.7
11.5°	279.6	279.9	280.4	281.6	282.7	283.0	283.2	282.7	282.6	282.2	282.2
12°	279.0	279.3	279.7	281.0	282.2	282.5	282.6	282.2	282.1	281.5	281.5
12.5°	278.2	278.6	279.0	280.3	281.6	281.9	282.1	281.6	281.4	280.9	280.9
13°	277.4	277.9	278.3	279.7	281.0	281.3	281.5	280.9	280.8	280.2	280.3
13.5°	276.6	277.1	277.5	279.0	280.4	280.7	280.9	280.2	280.2	279.5	279.6
14°	275.7	276.3	276.7	278.3	279.8	280.1	280.3	279.6	279.5	278.9	278.9
14.5°	274.9	275.4	275.8	277.5	279.2	279.5	279.6	278.9	278.8	278.2	278.2
15°	274.0	274.5	275.0	276.8	278.6	278.8	279.0	278.2	278.1	277.4	277.4
15.5°	273.0	273.6	274.1	275.8	277.8	278.1	278.3	277.4	277.3	276.6	276.7
16°	272.0	272.6	273.2	274.9	277.0	277.3	277.5	276.6	276.5	275.8	275.9
16.5°	271.0	271.6	272.1	274.0	276.3	276.6	276.8	275.8	275.7	275.0	275.1
17°	269.9	270.6	271.1	273.0	275.5	275.7	275.9	275.0	274.9	274.1	274.2
17.5°	269.0	269.5	270.1	272.0	274.6	274.9	275.2	274.2	274.1	273.3	273.4
18°	267.8	268.5	269.0	270.9	273.8	274.0	274.3	273.3	273.2	272.3	272.5
18.5°	266.7	267.3	267.9	269.8	272.8	273.1	273.5	272.3	272.2	271.4	271.6
19°	265.5	266.1	266.7	268.7	271.9	272.1	272.5	271.5	271.3	270.4	270.6
19.5°	264.4	264.9	265.6	267.6	270.8	271.1	271.5	270.4	270.3	269.5	269.6
20°	263.1	263.8	264.4	266.3	269.8	270.1	270.5	269.5	269.4	268.6	268.7
20.5°	261.8	262.4	263.1	265.1	268.8	269.1	269.5	268.5	268.4	267.6	267.6
21°	260.5	261.3	261.8	264.0	267.6	268.0	268.4	267.4	267.3	266.4	266.5
21.5°	259.2	259.8	260.5	262.7	266.4	266.8	267.2	266.2	266.1	265.3	265.4
22°	257.8	258.5	259.2	261.4	265.1	265.6	266.0	265.1	264.9	264.2	264.3



TEST NUMBER: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	256.4	257.1	257.8	259.9	264.0	264.4	264.7	263.9	263.8	263.0	263.1
23°	255.0	255.7	256.4	258.7	262.7	263.3	263.6	262.7	262.5	261.7	261.8
23.5°	253.7	254.3	255.0	257.2	261.4	261.9	262.3	261.5	261.4	260.5	260.5
24°	252.2	252.9	253.6	255.8	259.9	260.5	261.1	260.1	260.0	259.3	259.4
24.5°	250.6	251.5	252.1	254.4	258.6	259.2	259.7	258.9	258.8	257.9	258.0
25°	249.2	249.9	250.5	252.9	257.2	257.8	258.4	257.5	257.4	256.5	256.7
25.5°	247.7	248.4	249.1	251.4	255.7	256.3	257.0	256.1	256.0	255.1	255.3
26°	246.0	246.9	247.6	249.8	254.3	254.8	255.5	254.7	254.6	253.8	254.0
26.5°	244.4	245.2	245.9	248.2	252.8	253.4	254.2	253.3	253.3	252.3	252.5
27°	242.8	243.7	244.3	246.6	251.2	252.0	252.6	251.9	251.8	250.8	251.0
27.5°	241.2	242.0	242.7	244.9	249.7	250.4	251.1	250.4	250.3	249.3	249.6
28°	239.4	240.4	241.0	243.3	248.1	248.7	249.6	248.8	248.9	248.0	248.1
28.5°	237.8	238.7	239.2	241.6	246.5	247.1	248.0	247.3	247.4	246.3	246.6
29°	236.1	237.0	237.7	239.9	244.7	245.4	246.4	245.6	245.7	244.7	245.0
29.5°	234.3	235.2	235.9	238.2	243.1	243.8	244.7	244.1	244.2	243.2	243.5
30°	232.7	233.6	234.2	236.4	241.4	242.0	243.2	242.4	242.5	241.7	241.9
30.5°	230.9	231.7	232.4	234.6	239.5	240.3	241.4	240.8	241.0	240.0	240.3
31°	229.1	229.9	230.6	232.9	237.8	238.6	239.6	239.2	239.4	238.4	238.7
31.5°	227.3	228.2	228.8	231.0	236.0	236.7	238.0	237.4	237.8	236.7	237.0
32°	225.4	226.4	226.9	229.2	234.2	234.8	236.2	235.6	236.0	234.9	235.2
32.5°	223.6	224.5	225.0	227.4	232.3	233.0	234.4	234.0	234.2	233.3	233.6
33°	221.7	222.7	223.2	225.5	230.4	231.1	232.7	232.2	232.6	231.5	231.8
33.5°	219.7	220.8	221.2	223.6	228.5	229.2	230.9	230.4	230.8	229.7	230.0
34°	217.9	219.0	219.4	221.6	226.5	227.3	229.1	228.6	229.1	228.0	228.3
34.5°	215.9	217.0	217.5	219.6	224.5	225.3	227.2	226.8	227.3	226.2	226.5
35°	214.1	215.1	215.5	217.7	222.6	223.4	225.3	224.9	225.5	224.4	224.7
35.5°	212.1	213.3	213.6	215.7	220.6	221.3	223.4	223.1	223.7	222.6	222.9
36°	210.1	211.2	211.6	213.7	218.7	219.3	221.4	221.2	221.8	220.7	221.0
36.5°	208.1	209.2	209.5	211.7	216.7	217.4	219.4	219.2	219.8	218.9	219.1
37°	206.1	207.2	207.5	209.6	214.6	215.3	217.5	217.5	218.0	216.9	217.2
37.5°	204.1	205.2	205.6	207.6	212.6	213.4	215.4	215.5	216.0	215.0	215.3
38°	202.1	203.3	203.6	205.5	210.6	211.4	213.5	213.6	214.1	213.2	213.4
38.5°	200.1	201.2	201.5	203.5	208.6	209.3	211.5	211.6	212.2	211.2	211.5
39°	198.1	199.1	199.4	201.4	206.5	207.3	209.4	209.6	210.3	209.2	209.5
39.5°	195.9	197.1	197.3	199.3	204.5	205.2	207.4	207.6	208.4	207.3	207.5
40°	193.9	195.0	195.1	197.2	202.3	203.2	205.3	205.6	206.5	205.3	205.5
40.5°	191.7	192.9	193.2	195.0	200.1	201.0	203.2	203.6	204.3	203.4	203.6
41°	189.6	190.8	190.9	192.9	198.1	198.9	201.1	201.6	202.3	201.3	201.5
41.5°	187.5	188.6	188.8	190.7	195.9	196.8	199.0	199.4	200.3	199.3	199.4
42°	185.3	186.4	186.5	188.5	193.8	194.6	197.0	197.5	198.3	197.3	197.4
42.5°	183.1	184.2	184.3	186.3	191.7	192.5	194.8	195.3	196.2	195.1	195.4
43°	180.9	182.1	182.1	184.0	189.4	190.2	192.8	193.2	194.2	193.2	193.3
43.5°	178.7	179.8	179.7	181.8	187.3	188.1	190.6	191.1	192.1	191.0	191.1
44°	176.4	177.6	177.6	179.5	185.0	185.8	188.4	188.9	189.9	188.9	189.0
44.5°	174.1	175.3	175.2	177.2	182.7	183.6	186.1	186.7	187.8	186.7	186.8



TEST NUMBER: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	171.9	173.1	173.0	174.9	180.5	181.3	183.8	184.5	185.6	184.6	184.7
45.5°	169.6	170.8	170.6	172.5	178.3	179.1	181.6	182.3	183.5	182.5	182.5
46°	167.3	168.6	168.3	170.2	175.9	176.8	179.3	180.0	181.3	180.3	180.4
46.5°	165.0	166.3	165.9	167.8	173.7	174.5	177.1	177.9	179.1	178.1	178.2
47°	162.7	163.8	163.7	165.4	171.3	172.2	174.7	175.5	177.0	175.9	175.8
47.5°	160.3	161.5	161.2	163.2	168.8	169.9	172.4	173.2	174.5	173.6	173.6
48°	158.0	158.9	158.7	160.5	166.5	167.6	170.0	170.8	172.3	171.3	171.3
48.5°	155.3	156.4	156.2	158.1	163.9	165.2	167.6	168.6	169.9	169.0	168.9
49°	152.9	153.8	153.6	155.5	161.5	162.8	165.3	166.1	167.7	166.8	166.7
49.5°	150.1	151.1	150.8	153.1	158.9	160.2	163.0	163.8	165.3	164.4	164.4
50°	147.3	148.4	148.1	150.3	156.4	157.7	160.4	161.4	163.1	162.1	162.0
50.5°	144.5	145.7	145.1	147.6	153.8	155.0	158.0	158.8	160.6	159.6	159.7
51°	141.7	142.8	142.4	144.6	151.1	152.3	155.4	156.3	158.2	157.2	157.2
51.5°	138.9	140.0	139.5	141.9	148.4	149.7	152.8	153.6	155.7	154.7	154.6
52°	136.1	137.1	136.5	138.9	145.5	146.8	149.9	151.1	153.0	152.1	152.1
52.5°	133.1	134.1	133.6	136.0	142.7	144.0	147.3	148.4	150.3	149.4	149.4
53°	130.2	131.3	130.6	133.2	139.9	141.2	144.4	145.5	147.7	146.7	146.7
53.5°	127.1	128.2	127.7	130.2	137.1	138.3	141.8	142.7	144.8	143.9	143.9
54°	124.2	125.2	124.6	127.2	134.0	135.3	138.8	139.8	142.1	141.1	141.2
54.5°	121.1	122.2	121.7	124.2	131.1	132.5	135.9	137.1	139.2	138.4	138.4
55°	118.2	119.1	118.6	121.2	128.2	129.4	133.1	134.2	136.4	135.6	135.5
55.5°	115.2	116.0	115.7	118.1	125.1	126.7	130.0	131.2	133.5	132.6	132.5
56°	112.2	113.0	112.7	115.0	122.0	123.6	127.1	128.4	130.5	129.7	129.6
56.5°	109.2	110.0	109.7	112.1	119.0	120.6	124.2	125.5	127.7	126.9	126.7
57°	106.2	107.0	106.6	109.1	116.0	117.5	121.3	122.4	124.8	123.8	123.7
57.5°	103.2	103.9	103.4	106.0	112.9	114.4	118.2	119.4	121.7	120.9	120.9
58°	100.1	100.9	100.5	103.0	109.8	111.5	115.2	116.5	118.7	117.9	117.9
58.5°	97.2	98.0	97.5	100.0	106.8	108.3	112.2	113.4	115.8	114.9	114.8
59°	94.2	94.9	94.5	96.9	103.7	105.4	109.2	110.5	112.7	112.0	111.9
59.5°	91.2	91.8	91.5	93.8	100.7	102.4	106.2	107.5	109.8	108.9	108.9
60°	88.2	88.9	88.5	90.9	97.8	99.3	103.2	104.5	106.9	106.0	105.9
60.5°	85.4	86.1	85.6	88.1	94.8	96.3	100.2	101.5	103.8	103.0	103.0
61°	82.5	83.1	82.6	85.0	91.8	93.2	97.3	98.4	100.9	100.0	100.0
61.5°	79.5	80.2	79.7	82.2	88.7	90.2	94.2	95.6	98.0	97.0	97.1
62°	76.7	77.4	76.9	79.2	85.9	87.4	91.3	92.5	95.0	94.0	94.0
62.5°	73.8	74.5	74.1	76.4	82.9	84.4	88.3	89.6	92.0	91.1	91.1
63°	71.1	71.8	71.3	73.5	79.9	81.6	85.4	86.7	89.0	88.2	88.1
63.5°	68.4	68.9	68.5	70.8	77.1	78.6	82.5	83.9	86.1	85.4	85.3
64°	65.6	66.3	65.8	68.0	74.3	75.7	79.7	80.9	83.2	82.5	82.4
64.5°	63.0	63.5	63.0	65.2	71.4	73.0	76.7	78.1	80.3	79.5	79.5
65°	60.2	60.8	60.3	62.5	68.5	70.1	73.9	75.2	77.5	76.6	76.6
65.5°	57.6	58.1	57.7	59.8	65.9	67.3	71.1	72.4	74.6	73.7	73.9
66°	54.9	55.6	55.0	57.2	63.0	64.6	68.1	69.5	71.8	71.1	71.0
66.5°	52.5	52.9	52.6	54.4	60.3	61.9	65.5	66.8	69.0	68.3	68.1
67°	49.8	50.4	49.8	52.0	57.7	59.1	62.7	64.0	66.2	65.5	65.4





TEST NUMBER: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	47.4	47.8	47.4	49.4	55.0	56.5	60.0	61.3	63.4	62.8	62.8
68°	44.9	45.4	44.9	46.9	52.5	53.9	57.5	58.5	60.8	60.0	60.1
68.5°	42.5	42.9	42.5	44.4	49.9	51.2	54.7	55.9	58.1	57.4	57.4
69°	40.1	40.6	40.1	42.0	47.3	48.5	52.2	53.1	55.6	54.7	54.7
69.5°	37.7	38.3	37.8	39.7	44.8	46.1	49.5	50.6	52.8	52.1	52.2
70°	35.5	35.9	35.5	37.2	42.4	43.6	47.0	48.0	50.3	49.5	49.5
70.5°	33.2	33.6	33.2	35.0	40.0	41.2	44.4	45.6	47.7	47.0	47.0
71°	31.1	31.5	31.0	32.8	37.6	38.8	42.0	43.0	45.2	44.4	44.5
71.5°	28.9	29.5	28.9	30.6	35.3	36.5	39.7	40.6	42.7	42.0	42.2
72°	26.9	27.6	26.9	28.6	33.0	34.1	37.2	38.1	40.2	39.5	39.7
72.5°	25.0	25.5	24.9	26.4	30.9	31.9	34.9	35.8	37.8	37.2	37.3
73°	23.1	23.4	23.1	24.5	28.8	29.8	32.7	33.6	35.4	34.8	34.9
73.5°	21.4	21.6	21.4	22.7	26.6	27.7	30.5	31.4	33.1	32.7	32.7
74°	19.6	19.8	19.5	20.9	24.7	25.7	28.2	29.2	30.9	30.4	30.4
74.5°	17.9	18.1	17.8	19.1	22.8	23.6	26.2	27.0	28.7	28.3	28.3
75°	16.3	16.6	16.3	17.4	21.0	21.7	24.3	25.0	26.6	26.3	26.3
75.5°	14.7	15.0	14.6	15.9	19.2	19.9	22.4	23.0	24.6	24.1	24.4
76°	13.3	13.7	13.2	14.3	17.6	18.1	20.4	21.1	22.7	22.2	22.5
76.5°	12.1	12.3	12.1	12.9	15.9	16.5	18.6	19.3	20.8	20.2	20.4
77°	11.0	10.9	10.9	11.8	14.3	15.1	17.0	17.6	19.0	18.5	18.7
77.5°	9.6	9.8	9.5	10.6	12.9	13.6	15.5	16.0	17.3	16.9	17.0
78°	8.7	8.9	8.6	9.2	11.8	12.3	14.0	14.4	15.8	15.4	15.5
78.5°	7.6	7.7	7.6	8.3	10.6	11.1	12.5	12.8	14.2	13.8	14.0
79°	6.9	7.0	6.7	7.4	9.2	9.7	11.2	11.5	12.6	12.4	12.5
79.5°	6.0	6.1	5.9	6.5	8.4	8.8	10.1	10.4	11.4	11.1	11.1
80°	5.6	5.6	5.3	5.7	7.4	7.6	9.0	9.3	10.1	9.8	10.0
80.5°	4.9	4.8	4.7	5.0	6.5	6.9	7.7	8.1	9.0	8.7	8.9
81°	4.3	4.2	4.1	4.6	5.7	6.0	6.9	7.3	7.8	7.6	7.6
81.5°	3.9	3.9	3.9	3.9	5.0	5.5	6.0	6.3	7.0	6.9	6.8
82°	3.5	3.6	3.3	3.8	4.6	4.8	5.6	5.7	6.1	5.9	5.9
82.5°	3.1	3.1	3.0	3.1	4.0	4.2	4.7	5.0	5.6	5.3	5.5
83°	2.8	2.8	2.6	2.8	3.9	3.9	4.1	4.4	4.8	4.7	4.7
83.5°	2.4	2.4	2.4	2.4	3.2	3.4	3.9	4.0	4.1	4.2	4.0
84°	2.3	2.2	2.3	2.3	2.9	3.1	3.2	3.8	3.9	3.9	3.9
84.5°	1.8	1.7	1.7	2.1	2.5	2.7	3.0	3.1	3.5	3.4	3.2
85°	1.4	1.4	1.5	1.7	2.3	2.4	2.6	2.8	3.1	3.1	3.0
85.5°	1.5	1.5	1.6	1.3	2.2	2.3	2.3	2.5	2.7	2.7	2.7
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: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**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: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	288.5	288.5	288.5	288.5	288.5	288.5
0.5°	288.8	288.4	288.3	288.4	288.3	288.3
1°	288.8	288.3	288.2	288.3	288.2	288.2
1.5°	288.7	288.2	288.1	288.2	288.1	288.1
2°	288.7	288.1	288.0	288.1	287.9	287.9
2.5°	288.6	287.9	287.8	287.8	287.8	287.8
3°	288.4	287.8	287.6	287.7	287.6	287.6
3.5°	288.3	287.5	287.4	287.4	287.4	287.3
4°	288.0	287.3	287.2	287.1	287.1	286.9
4.5°	287.8	287.0	286.9	286.8	286.7	286.7
5°	287.6	286.7	286.6	286.5	286.4	286.3
5.5°	287.4	286.4	286.2	286.1	286.1	286.0
6°	287.0	286.0	285.9	285.8	285.7	285.6
6.5°	286.7	285.7	285.6	285.4	285.3	285.2
7°	286.3	285.2	285.1	284.9	284.9	284.7
7.5°	286.0	284.7	284.7	284.5	284.5	284.3
8°	285.6	284.4	284.3	284.1	284.1	283.8
8.5°	285.1	284.0	283.9	283.6	283.5	283.4
9°	284.7	283.4	283.3	283.0	283.0	282.8
9.5°	284.3	282.9	282.8	282.5	282.4	282.3
10°	283.8	282.3	282.3	281.9	281.9	281.6
10.5°	283.3	281.7	281.7	281.2	281.3	280.9
11°	282.7	281.1	281.1	280.6	280.6	280.3
11.5°	282.1	280.5	280.4	279.9	279.9	279.6
12°	281.5	279.8	279.8	279.3	279.3	279.0
12.5°	280.8	279.2	279.2	278.7	278.5	278.2
13°	280.2	278.5	278.5	277.9	277.8	277.4
13.5°	279.5	277.8	277.8	277.1	277.0	276.6
14°	278.9	277.2	277.0	276.3	276.2	275.7
14.5°	278.1	276.2	276.2	275.5	275.3	274.9
15°	277.4	275.4	275.4	274.6	274.5	274.0
15.5°	276.6	274.6	274.5	273.8	273.5	273.0
16°	275.7	273.8	273.7	272.8	272.5	272.0
16.5°	274.9	272.8	272.8	271.9	271.6	271.0
17°	274.1	271.9	271.8	270.8	270.5	269.9
17.5°	273.3	270.8	270.8	269.8	269.5	269.0
18°	272.3	269.8	269.8	268.8	268.5	267.8
18.5°	271.4	268.9	268.8	267.7	267.3	266.7
19°	270.4	267.8	267.7	266.5	266.1	265.5
19.5°	269.5	266.7	266.5	265.4	264.9	264.4
20°	268.5	265.5	265.4	264.3	263.9	263.1
20.5°	267.4	264.4	264.3	263.0	262.5	261.8
21°	266.3	263.3	263.1	261.8	261.4	260.5
21.5°	265.1	261.9	261.8	260.4	259.9	259.2
22°	264.0	260.7	260.5	259.2	258.7	257.8



TEST NUMBER: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	262.8	259.4	259.3	257.8	257.2	256.4
23°	261.6	258.1	257.9	256.4	255.9	255.0
23.5°	260.2	256.8	256.5	255.0	254.4	253.7
24°	259.0	255.4	255.2	253.8	253.1	252.2
24.5°	257.6	254.0	253.8	252.2	251.7	250.6
25°	256.2	252.6	252.4	250.7	250.1	249.2
25.5°	254.8	251.1	250.9	249.3	248.7	247.7
26°	253.5	249.5	249.3	247.7	247.2	246.0
26.5°	252.1	248.1	247.9	246.2	245.5	244.4
27°	250.5	246.6	246.3	244.5	244.0	242.8
27.5°	249.1	245.0	244.7	243.0	242.3	241.2
28°	247.6	243.4	243.2	241.3	240.7	239.4
28.5°	246.0	241.8	241.5	239.7	239.1	237.8
29°	244.3	240.1	239.8	238.1	237.4	236.1
29.5°	242.8	238.5	238.1	236.3	235.7	234.3
30°	241.2	236.8	236.4	234.5	233.9	232.7
30.5°	239.7	235.0	234.6	232.9	232.1	230.9
31°	238.0	233.4	232.8	231.1	230.3	229.1
31.5°	236.3	231.6	231.1	229.3	228.6	227.3
32°	234.4	229.7	229.2	227.5	226.8	225.4
32.5°	232.7	228.0	227.4	225.6	224.9	223.6
33°	231.0	226.2	225.6	223.7	223.1	221.7
33.5°	229.2	224.3	223.8	221.8	221.2	219.7
34°	227.5	222.5	221.8	219.9	219.2	217.9
34.5°	225.6	220.6	219.8	218.0	217.4	215.9
35°	223.8	218.7	217.9	216.0	215.5	214.1
35.5°	221.9	216.6	216.0	214.1	213.6	212.1
36°	219.9	214.6	214.1	212.1	211.6	210.1
36.5°	218.1	212.7	212.1	210.1	209.6	208.1
37°	216.1	210.7	210.0	208.2	207.7	206.1
37.5°	214.2	208.8	208.1	206.2	205.6	204.1
38°	212.3	206.9	206.0	204.2	203.7	202.1
38.5°	210.4	204.8	204.0	202.1	201.6	200.1
39°	208.4	202.8	202.0	200.0	199.6	198.1
39.5°	206.4	200.6	199.9	198.0	197.6	195.9
40°	204.3	198.6	197.8	195.8	195.4	193.9
40.5°	202.3	196.4	195.7	193.7	193.3	191.7
41°	200.2	194.3	193.5	191.6	191.2	189.6
41.5°	198.2	192.2	191.4	189.5	189.0	187.5
42°	196.0	190.0	189.3	187.3	186.9	185.3
42.5°	193.9	187.9	187.2	185.0	184.7	183.1
43°	191.7	185.6	184.9	182.9	182.6	180.9
43.5°	189.5	183.4	182.8	180.6	180.4	178.7
44°	187.4	181.1	180.6	178.4	178.1	176.4
44.5°	185.2	178.8	178.3	176.2	175.8	174.1



TEST NUMBER: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	183.0	176.6	176.0	173.9	173.6	171.9
45.5°	180.7	174.2	173.8	171.7	171.4	169.6
46°	178.4	171.9	171.5	169.3	169.0	167.3
46.5°	176.1	169.4	169.1	167.1	166.8	165.0
47°	173.8	167.2	166.9	164.7	164.4	162.7
47.5°	171.5	164.6	164.5	162.4	162.1	160.3
48°	169.0	162.3	162.0	160.0	159.6	158.0
48.5°	166.7	159.7	159.6	157.6	157.2	155.3
49°	164.3	157.2	157.2	155.0	154.7	152.9
49.5°	162.0	154.6	154.6	152.5	152.2	150.1
50°	159.4	152.0	152.1	149.9	149.4	147.3
50.5°	156.9	149.3	149.4	147.1	146.7	144.5
51°	154.3	146.6	146.7	144.3	143.9	141.7
51.5°	151.8	143.8	143.8	141.5	141.1	138.9
52°	149.1	141.1	141.0	138.7	138.3	136.1
52.5°	146.4	138.2	138.3	136.0	135.4	133.1
53°	143.5	135.4	135.4	132.9	132.4	130.2
53.5°	140.8	132.5	132.5	130.0	129.5	127.1
54°	138.0	129.5	129.6	127.1	126.5	124.2
54.5°	135.0	126.6	126.6	124.0	123.4	121.1
55°	132.1	123.7	123.5	121.1	120.4	118.2
55.5°	129.2	120.8	120.7	118.3	117.5	115.2
56°	126.4	117.9	117.7	115.1	114.4	112.2
56.5°	123.4	114.9	114.7	112.1	111.4	109.2
57°	120.4	111.9	111.8	109.1	108.4	106.2
57.5°	117.4	108.9	108.9	106.1	105.4	103.2
58°	114.4	106.0	105.8	103.1	102.4	100.1
58.5°	111.5	103.1	102.8	100.2	99.4	97.2
59°	108.5	100.2	99.9	97.1	96.3	94.2
59.5°	105.6	97.2	97.0	94.2	93.3	91.2
60°	102.6	94.3	93.9	91.2	90.5	88.2
60.5°	99.6	91.4	91.1	88.3	87.6	85.4
61°	96.6	88.5	88.1	85.3	84.7	82.5
61.5°	93.6	85.7	85.2	82.4	81.8	79.5
62°	90.8	82.8	82.4	79.5	78.8	76.7
62.5°	88.0	80.0	79.5	76.7	75.9	73.8
63°	85.0	77.2	76.7	73.9	73.1	71.1
63.5°	82.3	74.5	73.9	71.2	70.4	68.4
64°	79.2	71.7	71.2	68.5	67.8	65.6
64.5°	76.4	68.9	68.4	65.7	64.9	63.0
65°	73.7	66.4	65.8	63.0	62.2	60.2
65.5°	70.9	63.5	63.0	60.2	59.5	57.6
66°	68.2	61.0	60.3	57.7	56.9	54.9
66.5°	65.5	58.3	57.7	55.0	54.1	52.5
67°	62.8	55.8	55.1	52.6	51.7	49.8



TEST NUMBER: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	60.0	53.1	52.6	49.9	49.1	47.4
68°	57.5	50.7	50.2	47.4	46.7	44.9
68.5°	54.7	48.1	47.6	44.9	44.2	42.5
69°	52.2	45.7	45.1	42.5	41.9	40.1
69.5°	49.6	43.2	42.7	40.2	39.4	37.7
70°	47.2	40.9	40.2	37.7	37.1	35.5
70.5°	44.7	38.7	37.9	35.5	34.9	33.2
71°	42.3	36.4	35.7	33.2	32.7	31.1
71.5°	39.9	34.0	33.4	31.1	30.5	28.9
72°	37.4	31.9	31.3	28.9	28.4	26.9
72.5°	35.2	29.8	29.1	26.8	26.4	25.0
73°	32.9	27.9	27.2	25.0	24.5	23.1
73.5°	30.8	25.9	25.0	23.1	22.7	21.4
74°	28.6	23.8	23.0	21.3	20.8	19.6
74.5°	26.7	21.9	21.3	19.5	19.1	17.9
75°	24.6	20.0	19.4	17.8	17.5	16.3
75.5°	22.7	18.3	17.8	16.2	15.9	14.7
76°	20.8	16.7	16.2	14.7	14.3	13.3
76.5°	19.0	15.3	14.8	13.1	12.8	12.1
77°	17.3	13.8	13.2	11.9	11.7	11.0
77.5°	15.7	12.4	11.9	10.7	10.6	9.6
78°	14.2	11.1	10.7	9.4	9.2	8.7
78.5°	12.7	9.7	9.4	8.4	8.3	7.6
79°	11.3	8.7	8.4	7.6	7.4	6.9
79.5°	10.2	7.6	7.4	6.6	6.6	6.0
80°	9.2	6.9	6.5	5.8	5.7	5.6
80.5°	7.8	5.9	5.7	5.1	5.1	4.9
81°	7.1	5.3	5.0	4.6	4.6	4.3
81.5°	6.1	4.7	4.5	4.1	4.0	3.9
82°	5.7	4.1	4.0	3.8	3.8	3.5
82.5°	4.9	3.9	3.8	3.3	3.2	3.1
83°	4.2	3.3	3.1	2.9	2.9	2.8
83.5°	3.9	3.0	2.9	2.5	2.5	2.4
84°	3.6	2.7	2.4	2.3	2.3	2.3
84.5°	3.1	2.4	2.3	2.3	2.2	1.8
85°	2.8	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	1.2	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: P522105

CATALOG NUMBER: RLLV6069BLE40AWHDM-3500K-UNIT

**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)