

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: P1431941

Luminaire Tested: **HSLUNVMW-Louver-3000K**

Issue Date: 3/17/2026



Test Information

Test Method: LM-79-08
Report Number: P1431941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (ÆÖí'' çî°ÙÒ¶í'°°×É«)
Test Lab: INNOVATION CENTER
Issue Date: 3/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HSLUNVMW-Louver-3000K
Description: Louver

Light Source:
Ballast/Driver: ELECTRONIC DRIVER

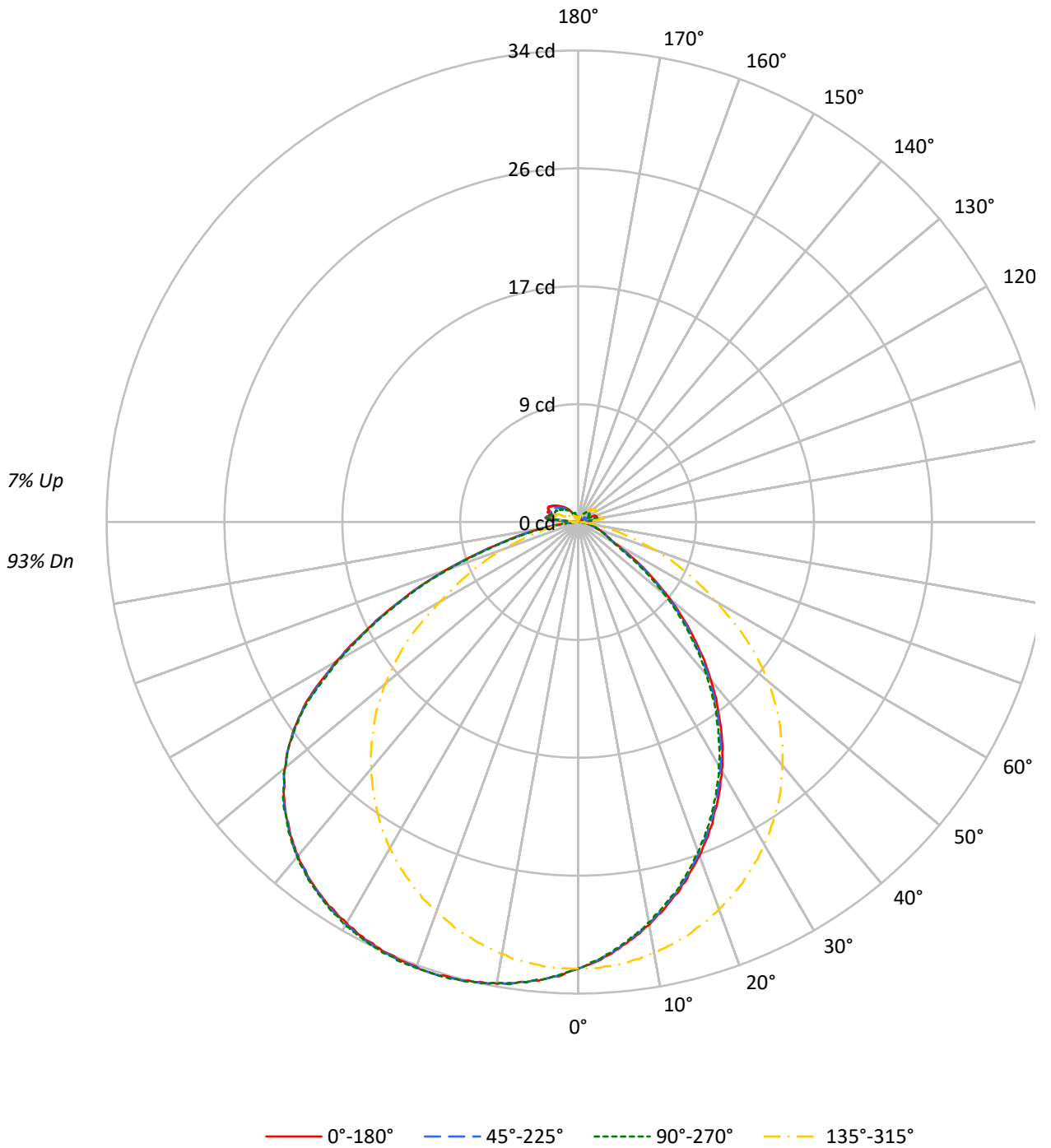
Summary

Lumens per Lamp: 91.718 (1 lamp)
Luminaire Lumens: 89.0 lumens
Efficiency: 97.1%
Efficacy: 23.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.35
Luminous Opening: Rectangular (W 0.27' x L: 0.43' x H: 0')
CIE Type: Direct

Input Watts (W): 3.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: >0.9
Total Harmonic Distortion (THDi): <20
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: HSLUNVMW-Louver-3000K

Luminous Intensity Polar Plot





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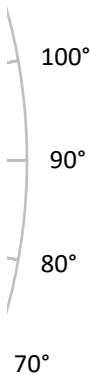
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

	RF	20		20		20		20		20		20		20		20		
	RC	80		70		50		30		10		50		30		10		
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
	RCR																	
0°	0	114	114	114	114	110	110	110	110	104	104	104	98	98	98	93	93	93
	1	105	101	97	94	102	98	95	92	93	90	87	88	86	83	83	81	80
	2	96	89	83	77	93	86	81	76	82	77	73	78	74	71	74	71	68
	3	88	78	71	65	85	76	70	64	72	67	62	69	64	60	66	62	58
	4	81	70	62	55	78	68	60	55	65	58	53	62	56	52	59	54	50
	5	74	62	54	48	72	61	53	47	58	51	46	55	50	45	53	48	44
	6	69	56	48	42	66	55	47	42	53	46	41	50	44	40	48	43	39
	7	64	51	43	37	62	50	42	37	48	41	36	46	40	35	44	39	35
	8	59	47	39	33	57	46	38	33	44	37	32	42	36	32	40	35	31
	9	55	43	35	30	54	42	35	30	40	34	29	39	33	29	37	32	28
	10	52	39	32	27	50	39	32	27	37	31	26	36	30	26	35	29	26

110°

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2984	2984	2984	2984
5°	2884	2875	3088	3079
10°	2776	2757	3181	3181
15°	2658	2638	3272	3272
20°	2525	2495	3363	3373
25°	2372	2342	3466	3477
30°	2215	2172	3574	3595
35°	2025	1968	3688	3699
40°	1803	1742	3799	3811
45°	1546	1481	3906	3906
50°	1254	1168	3979	3979
55°	921	824	3975	3958
60°	575	537	3744	3688
65°	482	482	3311	3267
70°	434	434	2764	2682
75°	394	394	2041	1934
80°	374	374	1441	1334
85°	319	319	532	425





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ZONAL LUMENS:				CANDELA DISTRIBUTION:						
20	Zone	Lumens	% Fixture	% Lamp		0°	90°	180°	270°	360°
0	0°-10°	3.0	3.4	3.3	0°	32	32	32	32	32
0	10°-20°	8.7	9.8	9.5	5°	31	31	33	33	31
	20°-30°	13.1	14.8	14.3	15°	28	28	34	34	28
90	30°-40°	15.7	17.7	17.2	25°	23	23	34	34	23
77	40°-50°	15.9	17.9	17.4	35°	18	17	33	33	18
66	50°-60°	13.3	14.9	14.5	45°	12	11	30	30	12
56	60°-70°	8.5	9.6	9.3	55°	6	5	25	24	6
48	70°-80°	3.7	4.1	4.0	65°	2	2	15	15	2
42	80°-90°	0.6	0.7	0.6	75°	1	1	6	5	1
37	90°-100°	0.9	1.0	1.0	85°	0	0	0	0	0
33	100°-110°	1.8	2.0	1.9	90°	0	0	0	0	0
29	110°-120°	1.3	1.5	1.5	95°	1	0	2	0	1
26	120°-130°	1.0	1.2	1.1	105°	1	1	2	2	1
24	130°-140°	0.8	0.9	0.8	115°	0	1	2	2	0
	140°-150°	0.4	0.5	0.4	125°	0	1	2	2	0
	150°-160°	0.1	0.1	0.1	135°	0	1	2	1	0
	160°-170°	0.1	0.1	0.1	145°	0	1	1	1	0
	170°-180°	0.0	0.0	0.0	155°	0	0	0	0	0
	0°-30°	24.9	28.0	27.1	165°	0	0	0	0	0
	0°-40°	40.6	45.6	44.3	175°	0	0	0	0	0
	0°-60°	69.8	78.4	76.1	180°	0	0	0	0	0
	0°-90°	82.6	92.8	90.0						
	90°-120°	4.0	4.5	4.4						
	90°-150°	6.2	7.0	6.8						
	90°-180°	6.0	6.7	6.5						
	0°-180°	89.0	100.0	97.1						



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CANDELA DISTRIBUTION (FULL):

Flux		0°	90°	180°	270°	360°
	0°	32.2	32.2	32.2	32.2	32.2
3	0.5°	32.1	32.1	32.3	32.3	32.1
8	1°	32.0	32.0	32.4	32.4	32.0
11	1.5°	31.9	31.8	32.5	32.5	31.9
11	2°	31.8	31.7	32.7	32.6	31.8
9	2.5°	31.7	31.6	32.8	32.7	31.7
5	3°	31.6	31.5	32.8	32.8	31.6
2	3.5°	31.4	31.3	32.9	32.9	31.4
1	4°	31.3	31.2	33.0	33.0	31.3
0	4.5°	31.2	31.1	33.1	33.1	31.2
0	5°	31.0	30.9	33.2	33.1	31.0
1	5.5°	30.9	30.8	33.2	33.2	30.9
1	6°	30.7	30.6	33.3	33.3	30.7
0	6.5°	30.6	30.5	33.4	33.4	30.6
0	7°	30.4	30.3	33.4	33.4	30.4
0	7.5°	30.3	30.1	33.5	33.5	30.3
0	8°	30.1	30.0	33.6	33.6	30.1
0	8.5°	30.0	29.8	33.6	33.7	30.0
0	9°	29.8	29.7	33.7	33.7	29.8
0	9.5°	29.6	29.5	33.7	33.7	29.6
	10°	29.5	29.3	33.8	33.8	29.5
	10.5°	29.3	29.2	33.8	33.8	29.3
	11°	29.1	28.9	33.9	33.9	29.1
	11.5°	28.9	28.8	33.9	33.9	28.9
	12°	28.8	28.6	33.9	34.0	28.8
	12.5°	28.6	28.4	34.0	34.0	28.6
	13°	28.4	28.2	34.0	34.0	28.4
	13.5°	28.2	28.0	34.0	34.1	28.2
	14°	28.0	27.8	34.1	34.1	28.0
	14.5°	27.8	27.7	34.1	34.1	27.8
	15°	27.7	27.5	34.1	34.1	27.7
	15.5°	27.5	27.3	34.1	34.2	27.5
	16°	27.2	27.0	34.1	34.2	27.2
	16.5°	27.1	26.8	34.1	34.2	27.1
	17°	26.9	26.6	34.2	34.2	26.9
	17.5°	26.6	26.4	34.2	34.2	26.6
	18°	26.4	26.2	34.2	34.2	26.4
	18.5°	26.2	26.0	34.2	34.2	26.2
	19°	26.0	25.7	34.2	34.2	26.0
	19.5°	25.8	25.5	34.2	34.2	25.8
	20°	25.6	25.3	34.1	34.2	25.6
	20.5°	25.4	25.1	34.1	34.2	25.4
	21°	25.1	24.8	34.1	34.2	25.1
	21.5°	24.9	24.6	34.1	34.2	24.9
	22°	24.7	24.4	34.1	34.2	24.7

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CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
22.5°	24.5	24.1	34.1	34.2	24.5
23°	24.2	23.9	34.0	34.1	24.2
23.5°	24.0	23.7	34.0	34.1	24.0
24°	23.8	23.4	34.0	34.1	23.8
24.5°	23.5	23.2	34.0	34.1	23.5
25°	23.2	22.9	33.9	34.0	23.2
25.5°	23.0	22.7	33.9	34.0	23.0
26°	22.8	22.4	33.8	34.0	22.8
26.5°	22.5	22.2	33.8	33.9	22.5
27°	22.3	21.9	33.8	33.9	22.3
27.5°	22.0	21.6	33.7	33.8	22.0
28°	21.8	21.4	33.7	33.8	21.8
28.5°	21.5	21.1	33.6	33.7	21.5
29°	21.2	20.9	33.5	33.7	21.2
29.5°	21.0	20.6	33.5	33.6	21.0
30°	20.7	20.3	33.4	33.6	20.7
30.5°	20.5	20.0	33.3	33.5	20.5
31°	20.2	19.8	33.3	33.4	20.2
31.5°	19.9	19.5	33.2	33.3	19.9
32°	19.6	19.2	33.1	33.3	19.6
32.5°	19.4	18.9	33.0	33.2	19.4
33°	19.1	18.6	33.0	33.1	19.1
33.5°	18.8	18.3	32.9	33.0	18.8
34°	18.5	18.1	32.8	32.9	18.5
34.5°	18.2	17.7	32.7	32.8	18.2
35°	17.9	17.4	32.6	32.7	17.9
35.5°	17.6	17.2	32.5	32.6	17.6
36°	17.3	16.9	32.4	32.5	17.3
36.5°	17.0	16.6	32.3	32.4	17.0
37°	16.7	16.3	32.2	32.3	16.7
37.5°	16.4	15.9	32.1	32.2	16.4
38°	16.2	15.6	31.9	32.0	16.2
38.5°	15.8	15.3	31.8	31.9	15.8
39°	15.5	15.0	31.7	31.8	15.5
39.5°	15.2	14.7	31.6	31.7	15.2
40°	14.9	14.4	31.4	31.5	14.9
40.5°	14.6	14.1	31.3	31.4	14.6
41°	14.3	13.8	31.1	31.2	14.3
41.5°	14.0	13.5	31.0	31.1	14.0
42°	13.7	13.2	30.8	30.9	13.7
42.5°	13.4	12.9	30.7	30.7	13.4
43°	13.1	12.6	30.5	30.6	13.1
43.5°	12.7	12.2	30.3	30.4	12.7
44°	12.4	11.9	30.1	30.2	12.4
44.5°	12.1	11.6	30.0	30.0	12.1

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CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
45°	11.8	11.3	29.8	29.8	11.8
45.5°	11.5	11.0	29.6	29.7	11.5
46°	11.2	10.7	29.4	29.5	11.2
46.5°	10.9	10.4	29.2	29.3	10.9
47°	10.6	10.0	29.0	29.1	10.6
47.5°	10.2	9.7	28.8	28.8	10.2
48°	9.9	9.4	28.5	28.6	9.9
48.5°	9.6	9.1	28.3	28.3	9.6
49°	9.3	8.8	28.1	28.1	9.3
49.5°	9.0	8.5	27.9	27.9	9.0
50°	8.7	8.1	27.6	27.6	8.7
50.5°	8.4	7.8	27.3	27.3	8.4
51°	8.1	7.5	27.1	27.0	8.1
51.5°	7.7	7.2	26.8	26.8	7.7
52°	7.4	6.9	26.5	26.5	7.4
52.5°	7.1	6.6	26.2	26.2	7.1
53°	6.8	6.3	25.9	25.8	6.8
53.5°	6.5	6.0	25.6	25.5	6.5
54°	6.3	5.7	25.3	25.2	6.3
54.5°	6.0	5.4	24.9	24.8	6.0
55°	5.7	5.1	24.6	24.5	5.7
55.5°	5.4	4.8	24.2	24.1	5.4
56°	5.1	4.5	23.9	23.7	5.1
56.5°	4.8	4.2	23.5	23.3	4.8
57°	4.5	3.9	23.0	22.8	4.5
57.5°	4.3	3.7	22.6	22.3	4.3
58°	4.0	3.4	22.1	21.8	4.0
58.5°	3.7	3.3	21.6	21.3	3.7
59°	3.5	3.1	21.1	20.8	3.5
59.5°	3.3	3.0	20.6	20.4	3.3
60°	3.1	2.9	20.2	19.9	3.1
60.5°	3.0	2.8	19.6	19.4	3.0
61°	2.8	2.7	19.2	18.9	2.8
61.5°	2.7	2.6	18.7	18.4	2.7
62°	2.6	2.6	18.1	17.9	2.6
62.5°	2.5	2.5	17.6	17.4	2.5
63°	2.5	2.4	17.1	16.9	2.5
63.5°	2.4	2.3	16.6	16.4	2.4
64°	2.3	2.3	16.2	15.9	2.3
64.5°	2.2	2.2	15.6	15.4	2.2
65°	2.2	2.2	15.1	14.9	2.2
65.5°	2.1	2.1	14.6	14.4	2.1
66°	2.1	2.0	14.1	13.9	2.1
66.5°	2.0	2.0	13.6	13.4	2.0
67°	1.9	1.9	13.2	13.0	1.9

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CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
67.5°	1.9	1.9	12.7	12.5	1.9
68°	1.8	1.8	12.2	12.0	1.8
68.5°	1.8	1.7	11.7	11.5	1.8
69°	1.7	1.7	11.2	11.0	1.7
69.5°	1.7	1.6	10.7	10.4	1.7
70°	1.6	1.6	10.2	9.9	1.6
70.5°	1.5	1.5	9.7	9.4	1.5
71°	1.5	1.5	9.2	8.9	1.5
71.5°	1.4	1.4	8.7	8.4	1.4
72°	1.4	1.4	8.2	7.9	1.4
72.5°	1.3	1.3	7.7	7.4	1.3
73°	1.3	1.3	7.3	7.0	1.3
73.5°	1.2	1.3	6.9	6.6	1.2
74°	1.2	1.2	6.4	6.2	1.2
74.5°	1.2	1.2	6.0	5.8	1.2
75°	1.1	1.1	5.7	5.4	1.1
75.5°	1.1	1.1	5.3	5.0	1.1
76°	1.0	1.0	5.0	4.7	1.0
76.5°	1.0	1.0	4.7	4.4	1.0
77°	1.0	1.0	4.4	4.1	1.0
77.5°	0.9	0.9	4.1	3.8	0.9
78°	0.9	0.9	3.8	3.5	0.9
78.5°	0.8	0.8	3.5	3.3	0.8
79°	0.8	0.8	3.2	3.0	0.8
79.5°	0.7	0.7	3.0	2.8	0.7
80°	0.7	0.7	2.7	2.5	0.7
80.5°	0.7	0.6	2.5	2.3	0.7
81°	0.6	0.6	2.2	2.0	0.6
81.5°	0.6	0.6	2.0	1.8	0.6
82°	0.5	0.5	1.8	1.6	0.5
82.5°	0.5	0.5	1.5	1.4	0.5
83°	0.4	0.4	1.3	1.2	0.4
83.5°	0.4	0.4	1.1	1.0	0.4
84°	0.4	0.3	0.9	0.8	0.4
84.5°	0.3	0.3	0.7	0.6	0.3
85°	0.3	0.3	0.5	0.4	0.3
85.5°	0.2	0.2	0.4	0.3	0.2
86°	0.2	0.2	0.2	0.2	0.2
86.5°	0.1	0.1	0.1	0.1	0.1
87°	0.1	0.1	0.1	0.1	0.1
87.5°	0.1	0.1	0.0	0.0	0.1
88°	0.1	0.1	0.0	0.0	0.1
88.5°	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
90°	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0
94.5°	0.6	0.0	0.6	0.0	0.6
95°	0.9	0.0	2.2	0.0	0.9
95.5°	1.0	0.0	2.2	0.0	1.0
96°	1.1	0.0	2.3	0.3	1.1
96.5°	1.2	0.2	2.3	1.9	1.2
97°	1.2	1.0	2.3	2.2	1.2
97.5°	1.3	1.3	2.4	2.3	1.3
98°	1.3	1.3	2.4	2.3	1.3
98.5°	1.3	1.3	2.3	2.3	1.3
99°	1.3	1.3	2.2	2.3	1.3
99.5°	1.4	1.4	2.2	2.3	1.4
100°	1.4	1.4	2.2	2.3	1.4
100.5°	1.4	1.4	2.3	2.2	1.4
101°	1.4	1.4	2.2	2.2	1.4
101.5°	1.4	1.3	2.1	2.2	1.4
102°	1.4	1.3	2.0	2.2	1.4
102.5°	1.4	1.3	1.9	2.2	1.4
103°	1.4	1.3	1.8	2.1	1.4
103.5°	1.4	1.2	1.7	2.1	1.4
104°	1.4	1.2	1.7	2.1	1.4
104.5°	1.4	1.2	1.8	2.1	1.4
105°	1.4	1.1	1.8	2.0	1.4
105.5°	1.4	1.1	1.9	2.0	1.4
106°	1.4	1.1	2.0	2.0	1.4
106.5°	1.4	1.0	2.1	2.0	1.4
107°	1.4	1.0	2.2	2.0	1.4
107.5°	1.3	1.0	2.3	2.0	1.3
108°	1.3	1.0	2.3	1.9	1.3
108.5°	1.3	1.0	2.3	1.9	1.3
109°	1.3	1.0	2.3	1.9	1.3
109.5°	1.3	1.0	2.3	1.9	1.3
110°	1.3	1.0	2.3	1.9	1.3
110.5°	1.3	0.9	2.3	1.9	1.3
111°	1.3	0.9	2.2	1.9	1.3
111.5°	1.3	0.9	2.2	1.8	1.3
112°	1.0	0.9	2.3	1.8	1.0

TEST NUMBER: P1431941

CATALOG NUMBER: HSLUNVMW-Louver-3000K

CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
112.5°	0.1	0.9	2.3	1.8	0.1
113°	0.0	0.8	2.3	1.8	0.0
113.5°	0.0	0.8	2.3	1.8	0.0
114°	0.1	0.8	2.4	1.8	0.1
114.5°	0.3	0.8	2.4	1.8	0.3
115°	0.3	0.8	2.4	1.8	0.3
115.5°	0.3	0.8	2.4	1.8	0.3
116°	0.3	0.7	2.4	1.8	0.3
116.5°	0.3	0.7	2.4	1.8	0.3
117°	0.3	0.7	2.4	1.8	0.3
117.5°	0.3	0.7	2.4	1.8	0.3
118°	0.3	0.7	2.4	1.7	0.3
118.5°	0.3	0.7	2.3	1.7	0.3
119°	0.3	0.7	2.3	1.7	0.3
119.5°	0.3	0.7	2.3	1.7	0.3
120°	0.3	0.7	2.3	1.7	0.3
120.5°	0.3	0.7	2.3	1.7	0.3
121°	0.3	0.8	2.2	1.7	0.3
121.5°	0.3	0.8	2.2	1.7	0.3
122°	0.3	0.8	2.2	1.6	0.3
122.5°	0.3	0.9	2.2	1.6	0.3
123°	0.3	0.9	2.1	1.6	0.3
123.5°	0.2	0.9	2.1	1.6	0.2
124°	0.1	1.0	2.1	1.6	0.1
124.5°	0.0	1.0	2.1	1.6	0.0
125°	0.0	1.0	2.0	1.5	0.0
125.5°	0.0	1.0	2.0	1.5	0.0
126°	0.0	1.0	2.0	1.5	0.0
126.5°	0.0	1.0	2.0	1.5	0.0
127°	0.0	1.0	1.9	1.5	0.0
127.5°	0.0	1.0	1.9	1.5	0.0
128°	0.0	1.0	1.9	1.5	0.0
128.5°	0.2	1.0	1.9	1.4	0.2
129°	0.2	1.0	1.8	1.4	0.2
129.5°	0.3	1.0	1.8	1.4	0.3
130°	0.3	1.0	1.8	1.4	0.3
130.5°	0.3	1.0	1.8	1.4	0.3
131°	0.3	1.0	1.7	1.4	0.3
131.5°	0.3	1.0	1.7	1.3	0.3
132°	0.3	1.0	1.7	1.3	0.3
132.5°	0.3	1.0	1.7	1.3	0.3
133°	0.3	1.0	1.6	1.3	0.3
133.5°	0.3	1.0	1.6	1.3	0.3
134°	0.3	1.0	1.6	1.3	0.3
134.5°	0.3	1.0	1.6	1.3	0.3

TEST NUMBER: P1431941

CATALOG NUMBER: HSLUNVMW-Louver-3000K

CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
135°	0.3	1.0	1.5	1.2	0.3
135.5°	0.3	1.0	1.5	1.2	0.3
136°	0.3	1.0	1.5	1.2	0.3
136.5°	0.2	0.9	1.5	1.2	0.2
137°	0.2	0.9	1.4	1.2	0.2
137.5°	0.2	0.9	1.4	1.2	0.2
138°	0.2	0.9	1.4	1.2	0.2
138.5°	0.2	0.9	1.4	1.1	0.2
139°	0.2	0.9	1.3	1.1	0.2
139.5°	0.2	0.9	1.3	1.1	0.2
140°	0.2	0.9	1.3	1.1	0.2
140.5°	0.2	0.9	1.3	1.1	0.2
141°	0.2	0.9	1.2	1.1	0.2
141.5°	0.2	0.8	1.2	1.1	0.2
142°	0.2	0.8	1.2	1.0	0.2
142.5°	0.2	0.8	1.2	1.0	0.2
143°	0.2	0.8	1.1	1.0	0.2
143.5°	0.2	0.8	1.1	1.0	0.2
144°	0.2	0.8	1.1	1.0	0.2
144.5°	0.2	0.8	1.0	1.0	0.2
145°	0.2	0.8	1.0	0.9	0.2
145.5°	0.2	0.7	0.9	0.9	0.2
146°	0.2	0.7	0.9	0.9	0.2
146.5°	0.1	0.7	0.8	0.9	0.1
147°	0.1	0.7	0.7	0.7	0.1
147.5°	0.1	0.7	0.6	0.6	0.1
148°	0.0	0.6	0.5	0.4	0.0
148.5°	0.0	0.6	0.3	0.3	0.0
149°	0.0	0.5	0.1	0.2	0.0
149.5°	0.0	0.4	0.0	0.1	0.0
150°	0.0	0.2	0.0	0.1	0.0
150.5°	0.0	0.1	0.0	0.1	0.0
151°	0.0	0.0	0.0	0.1	0.0
151.5°	0.0	0.0	0.0	0.1	0.0
152°	0.0	0.0	0.0	0.1	0.0
152.5°	0.0	0.0	0.0	0.1	0.0
153°	0.1	0.0	0.0	0.1	0.1
153.5°	0.1	0.0	0.0	0.2	0.1
154°	0.1	0.1	0.1	0.3	0.1
154.5°	0.1	0.1	0.1	0.3	0.1
155°	0.2	0.1	0.1	0.5	0.2
155.5°	0.2	0.1	0.2	0.6	0.2
156°	0.2	0.2	0.3	0.6	0.2
156.5°	0.2	0.3	0.4	0.7	0.2
157°	0.2	0.4	0.5	0.7	0.2

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CATALOG NUMBER: HSLUNVMW-Louver-3000K

CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
157.5°	0.2	0.5	0.5	0.7	0.2
158°	0.2	0.5	0.5	0.7	0.2
158.5°	0.2	0.5	0.5	0.7	0.2
159°	0.2	0.5	0.5	0.7	0.2
159.5°	0.2	0.5	0.5	0.7	0.2
160°	0.2	0.5	0.5	0.7	0.2
160.5°	0.2	0.5	0.5	0.7	0.2
161°	0.2	0.5	0.5	0.7	0.2
161.5°	0.2	0.5	0.5	0.7	0.2
162°	0.2	0.5	0.5	0.7	0.2
162.5°	0.2	0.5	0.5	0.7	0.2
163°	0.2	0.5	0.5	0.6	0.2
163.5°	0.2	0.5	0.5	0.6	0.2
164°	0.2	0.5	0.5	0.6	0.2
164.5°	0.2	0.5	0.5	0.6	0.2
165°	0.2	0.5	0.5	0.5	0.2
165.5°	0.2	0.5	0.5	0.5	0.2
166°	0.2	0.4	0.4	0.5	0.2
166.5°	0.2	0.4	0.4	0.4	0.2
167°	0.2	0.4	0.4	0.4	0.2
167.5°	0.2	0.4	0.4	0.4	0.2
168°	0.2	0.4	0.4	0.4	0.2
168.5°	0.2	0.4	0.4	0.4	0.2
169°	0.2	0.4	0.4	0.4	0.2
169.5°	0.2	0.4	0.4	0.3	0.2
170°	0.2	0.4	0.4	0.3	0.2
170.5°	0.2	0.4	0.4	0.3	0.2
171°	0.1	0.4	0.4	0.3	0.1
171.5°	0.1	0.4	0.4	0.3	0.1
172°	0.1	0.4	0.4	0.3	0.1
172.5°	0.1	0.4	0.4	0.3	0.1
173°	0.1	0.4	0.3	0.3	0.1
173.5°	0.1	0.3	0.3	0.2	0.1
174°	0.1	0.3	0.3	0.1	0.1
174.5°	0.1	0.3	0.3	0.1	0.1
175°	0.1	0.3	0.3	0.1	0.1
175.5°	0.1	0.2	0.2	0.1	0.1
176°	0.1	0.2	0.2	0.1	0.1
176.5°	0.0	0.2	0.2	0.0	0.0
177°	0.0	0.0	0.1	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0
178.5°	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0
179.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1431941
CATALOG NUMBER: HSLUNVMW-Louver-3000K

CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)