

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: P1431942

Luminaire Tested: **HSLUNVMW-Marker-High-Diffusion-3000K**

Issue Date: 3/16/2026



Test Information

Test Method: LM-79-08
Report Number: P1431942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ($\text{ÆÖí}^{\circ} \hat{\imath} \pm \hat{\epsilon} \times \frac{1}{4} \text{æ}\mu\acute{\imath},^{\circ} \times \acute{\text{E}} \ll$)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HSLUNVMW-Marker-High-Diffusion-3000K
Description: Marker - High Diff

Light Source:
Ballast/Driver: ELECTRONIC DRIVER

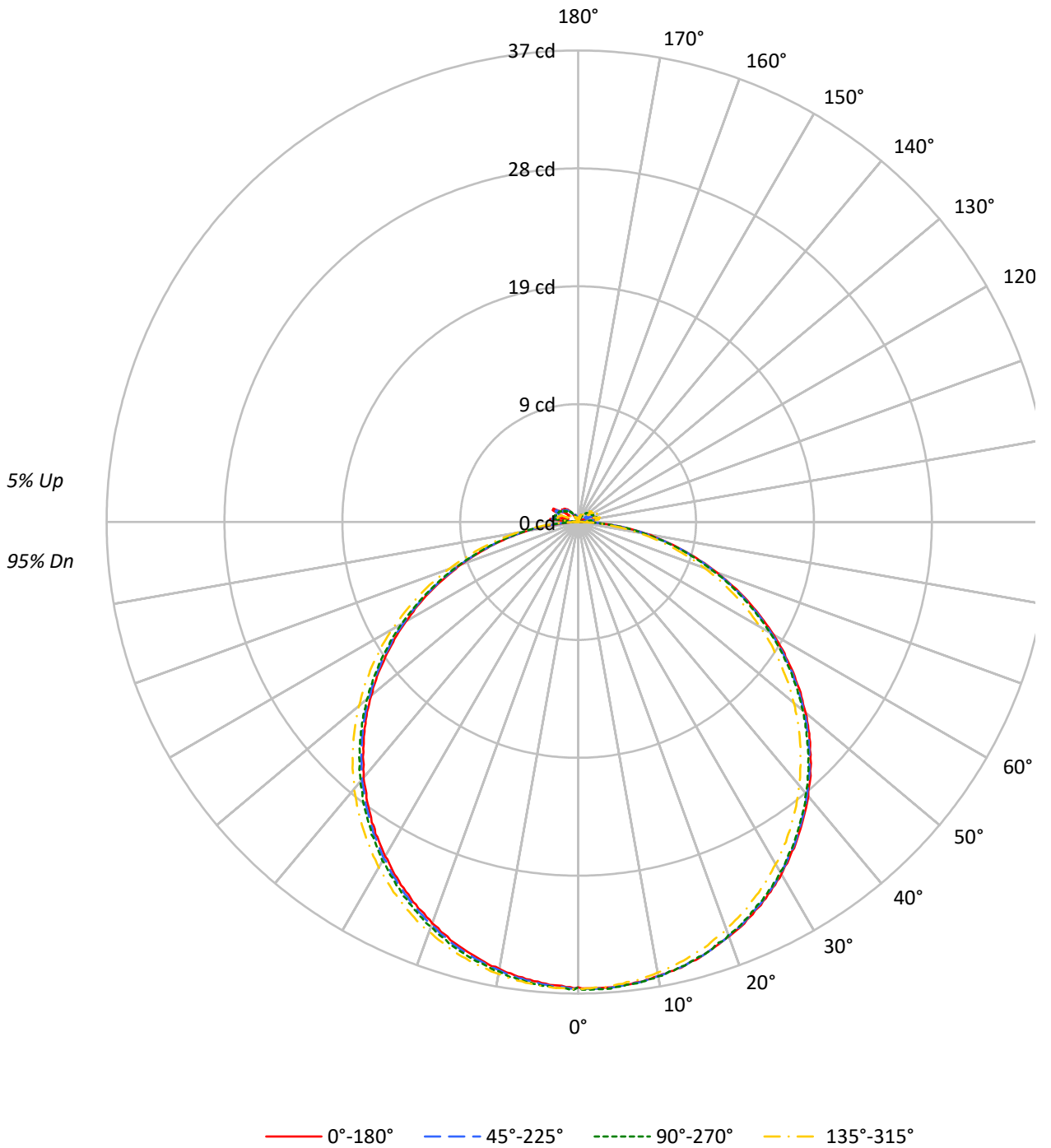
Summary

Lumens per Lamp: 123.07 (1 lamp)
Luminaire Lumens: 113.6 lumens
Efficiency: 92.3%
Efficacy: 29.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
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

TEST NUMBER: P1431942
CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1431942
 CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

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	109	109	109	109	106	106	106	106	100	100	100	95	95	95	90	90	90
	1	99	94	90	87	96	92	88	85	87	84	81	83	80	78	79	77	75
	2	90	82	76	70	87	80	74	69	76	71	67	72	68	64	69	65	62
	3	82	72	64	58	79	70	63	57	67	61	56	63	58	54	60	56	53
	4	75	64	55	49	72	62	54	49	59	52	47	56	51	46	54	49	45
	5	69	57	48	42	66	55	48	42	53	46	41	50	45	40	48	43	39
	6	63	51	43	37	61	50	42	36	48	41	36	46	40	35	44	38	34
	7	59	46	38	32	57	45	37	32	43	36	31	42	35	31	40	34	30
	8	55	42	34	29	53	41	34	29	40	33	28	38	32	28	37	31	27
	9	51	39	31	26	49	38	31	26	36	30	25	35	29	25	34	28	24
	10	48	36	28	23	46	35	28	23	34	27	23	32	27	23	31	26	22



AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3383	3383	3383	3383
5°	3395	3405	3368	3386
10°	3406	3406	3350	3369
15°	3416	3406	3329	3358
20°	3412	3402	3304	3333
25°	3415	3395	3272	3313
30°	3414	3392	3242	3285
35°	3405	3383	3202	3247
40°	3399	3363	3170	3218
45°	3381	3342	3119	3172
50°	3359	3316	3056	3114
55°	3328	3280	2989	3054
60°	3281	3225	2891	2966
65°	3223	3158	2785	2851
70°	3143	3062	2655	2710
75°	3043	2972	2471	2542
80°	2989	2828	2241	2295
85°	2765	2658	1489	2020



TEST NUMBER: P1431942

CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

ZONAL LUMENS:				CANDELA DISTRIBUTION:						
20	Zone	Lumens	% Fixture	% Lamp		0°	90°	180°	270°	360°
0	0°-10°	3.5	3.0	2.8	0°	36	36	36	36	36
0	10°-20°	9.9	8.7	8.1	5°	36	37	36	36	36
	20°-30°	15.1	13.3	12.3	15°	36	36	35	35	36
87	30°-40°	18.3	16.1	14.9	25°	33	33	32	32	33
73	40°-50°	19.1	16.8	15.5	35°	30	30	28	29	30
60	50°-60°	17.5	15.4	14.2	45°	26	26	24	24	26
50	60°-70°	13.5	11.9	11.0	55°	21	20	18	19	21
43	70°-80°	8.1	7.2	6.6	65°	15	14	13	13	15
37	80°-90°	2.5	2.2	2.0	75°	8	8	7	7	8
32	90°-100°	0.8	0.7	0.6	85°	3	2	1	2	3
28	100°-110°	1.6	1.4	1.3	90°	0	0	0	0	0
25	110°-120°	1.3	1.2	1.1	95°	1	0	2	0	1
23	120°-130°	0.9	0.8	0.8	105°	1	1	1	2	1
21	130°-140°	0.7	0.7	0.6	115°	0	1	2	2	0
	140°-150°	0.4	0.3	0.3	125°	0	1	1	2	0
	150°-160°	0.1	0.1	0.1	135°	0	1	1	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°	28.5	25.1	23.2	165°	0	0	0	0	0
	0°-40°	46.8	41.2	38.0	175°	0	0	0	0	0
	0°-60°	83.4	73.4	67.8	180°	0	0	0	0	0
	0°-90°	107.6	94.7	87.4						
	90°-120°	3.7	3.3	3.0						
	90°-150°	5.8	5.1	4.7						
	90°-180°	6.0	5.3	4.9						
	0°-180°	113.6	100.0	92.3						



TEST NUMBER: P1431942

CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

CANDELA DISTRIBUTION (FULL):

Flux		0°	90°	180°	270°	360°
	0°	36.5	36.5	36.5	36.5	36.5
3	0.5°	36.6	36.7	36.6	36.7	36.6
10	1°	36.6	36.7	36.5	36.7	36.6
15	1.5°	36.6	36.7	36.5	36.6	36.6
19	2°	36.6	36.7	36.4	36.6	36.6
20	2.5°	36.6	36.7	36.4	36.6	36.6
18	3°	36.6	36.7	36.4	36.6	36.6
15	3.5°	36.6	36.7	36.4	36.5	36.6
9	4°	36.6	36.7	36.3	36.5	36.6
3	4.5°	36.6	36.6	36.3	36.5	36.6
0	5°	36.5	36.6	36.2	36.4	36.5
1	5.5°	36.5	36.6	36.2	36.4	36.5
1	6°	36.5	36.5	36.1	36.3	36.5
0	6.5°	36.5	36.5	36.1	36.3	36.5
0	7°	36.4	36.5	36.0	36.2	36.4
0	7.5°	36.4	36.5	36.0	36.2	36.4
0	8°	36.4	36.4	35.9	36.1	36.4
0	8.5°	36.3	36.4	35.8	36.1	36.3
0	9°	36.3	36.3	35.8	36.0	36.3
0	9.5°	36.2	36.3	35.7	35.9	36.2
	10°	36.2	36.2	35.6	35.8	36.2
	10.5°	36.1	36.2	35.5	35.8	36.1
	11°	36.1	36.1	35.5	35.7	36.1
	11.5°	36.0	36.0	35.4	35.6	36.0
	12°	36.0	36.0	35.3	35.5	36.0
	12.5°	35.9	35.9	35.2	35.4	35.9
	13°	35.9	35.8	35.1	35.4	35.9
	13.5°	35.8	35.8	35.0	35.3	35.8
	14°	35.7	35.7	34.9	35.2	35.7
	14.5°	35.6	35.6	34.8	35.1	35.6
	15°	35.6	35.5	34.7	35.0	35.6
	15.5°	35.5	35.4	34.6	34.9	35.5
	16°	35.4	35.4	34.5	34.8	35.4
	16.5°	35.3	35.3	34.4	34.7	35.3
	17°	35.2	35.2	34.3	34.6	35.2
	17.5°	35.1	35.1	34.1	34.4	35.1
	18°	35.0	34.9	34.0	34.3	35.0
	18.5°	34.9	34.8	33.9	34.2	34.9
	19°	34.8	34.8	33.7	34.1	34.8
	19.5°	34.7	34.7	33.6	33.9	34.7
	20°	34.6	34.5	33.5	33.8	34.6
	20.5°	34.5	34.4	33.3	33.7	34.5
	21°	34.4	34.3	33.2	33.6	34.4
	21.5°	34.3	34.2	33.0	33.4	34.3
	22°	34.2	34.1	32.9	33.3	34.2

TEST NUMBER: P1431942

CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
22.5°	34.1	33.9	32.8	33.1	34.1
23°	33.9	33.8	32.6	33.0	33.9
23.5°	33.8	33.7	32.5	32.8	33.8
24°	33.7	33.5	32.3	32.7	33.7
24.5°	33.5	33.4	32.1	32.5	33.5
25°	33.4	33.2	32.0	32.4	33.4
25.5°	33.3	33.1	31.8	32.2	33.3
26°	33.1	33.0	31.7	32.0	33.1
26.5°	33.0	32.8	31.5	31.9	33.0
27°	32.8	32.7	31.3	31.7	32.8
27.5°	32.7	32.5	31.2	31.5	32.7
28°	32.5	32.4	31.0	31.4	32.5
28.5°	32.4	32.2	30.8	31.2	32.4
29°	32.2	32.1	30.6	31.0	32.2
29.5°	32.1	31.9	30.4	30.8	32.1
30°	31.9	31.7	30.3	30.7	31.9
30.5°	31.7	31.6	30.1	30.5	31.7
31°	31.5	31.4	29.9	30.3	31.5
31.5°	31.4	31.2	29.7	30.1	31.4
32°	31.2	31.0	29.5	29.9	31.2
32.5°	31.0	30.8	29.3	29.7	31.0
33°	30.8	30.7	29.2	29.5	30.8
33.5°	30.7	30.5	28.9	29.4	30.7
34°	30.5	30.3	28.7	29.1	30.5
34.5°	30.3	30.1	28.6	28.9	30.3
35°	30.1	29.9	28.3	28.7	30.1
35.5°	29.9	29.7	28.1	28.5	29.9
36°	29.7	29.5	27.9	28.3	29.7
36.5°	29.5	29.3	27.7	28.1	29.5
37°	29.3	29.1	27.5	27.9	29.3
37.5°	29.1	28.9	27.3	27.7	29.1
38°	28.9	28.7	27.0	27.5	28.9
38.5°	28.7	28.5	26.8	27.2	28.7
39°	28.5	28.3	26.6	27.0	28.5
39.5°	28.3	28.0	26.4	26.8	28.3
40°	28.1	27.8	26.2	26.6	28.1
40.5°	27.8	27.6	25.9	26.3	27.8
41°	27.6	27.4	25.7	26.1	27.6
41.5°	27.4	27.2	25.4	25.9	27.4
42°	27.2	26.9	25.2	25.6	27.2
42.5°	27.0	26.7	25.0	25.4	27.0
43°	26.7	26.5	24.7	25.2	26.7
43.5°	26.5	26.2	24.5	24.9	26.5
44°	26.3	26.0	24.2	24.7	26.3
44.5°	26.0	25.8	24.0	24.4	26.0

TEST NUMBER: P1431942

CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
45°	25.8	25.5	23.8	24.2	25.8
45.5°	25.5	25.3	23.5	23.9	25.5
46°	25.3	25.0	23.3	23.7	25.3
46.5°	25.1	24.8	23.0	23.4	25.1
47°	24.8	24.5	22.8	23.2	24.8
47.5°	24.6	24.3	22.5	22.9	24.6
48°	24.3	24.0	22.3	22.7	24.3
48.5°	24.1	23.8	22.0	22.4	24.1
49°	23.8	23.5	21.7	22.1	23.8
49.5°	23.6	23.3	21.5	21.9	23.6
50°	23.3	23.0	21.2	21.6	23.3
50.5°	23.0	22.7	20.9	21.3	23.0
51°	22.7	22.5	20.7	21.1	22.7
51.5°	22.5	22.2	20.4	20.8	22.5
52°	22.2	21.9	20.1	20.5	22.2
52.5°	22.0	21.7	19.9	20.3	22.0
53°	21.7	21.4	19.6	20.0	21.7
53.5°	21.4	21.1	19.3	19.7	21.4
54°	21.1	20.8	19.0	19.4	21.1
54.5°	20.9	20.6	18.7	19.2	20.9
55°	20.6	20.3	18.5	18.9	20.6
55.5°	20.3	20.0	18.2	18.6	20.3
56°	20.0	19.7	17.9	18.3	20.0
56.5°	19.7	19.4	17.6	18.0	19.7
57°	19.4	19.2	17.3	17.7	19.4
57.5°	19.2	18.9	17.1	17.5	19.2
58°	18.9	18.6	16.8	17.2	18.9
58.5°	18.6	18.3	16.5	16.9	18.6
59°	18.3	18.0	16.2	16.6	18.3
59.5°	18.0	17.7	15.9	16.3	18.0
60°	17.7	17.4	15.6	16.0	17.7
60.5°	17.4	17.1	15.3	15.7	17.4
61°	17.1	16.8	15.0	15.4	17.1
61.5°	16.8	16.5	14.7	15.1	16.8
62°	16.5	16.2	14.5	14.8	16.5
62.5°	16.2	15.9	14.2	14.5	16.2
63°	15.9	15.6	13.9	14.2	15.9
63.5°	15.6	15.3	13.6	13.9	15.6
64°	15.3	15.0	13.3	13.6	15.3
64.5°	15.0	14.7	13.0	13.3	15.0
65°	14.7	14.4	12.7	13.0	14.7
65.5°	14.4	14.1	12.4	12.7	14.4
66°	14.1	13.8	12.1	12.4	14.1
66.5°	13.8	13.5	11.8	12.1	13.8
67°	13.5	13.2	11.5	11.8	13.5

TEST NUMBER: P1431942

CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
67.5°	13.1	12.9	11.2	11.5	13.1
68°	12.8	12.6	10.9	11.2	12.8
68.5°	12.5	12.3	10.6	10.9	12.5
69°	12.2	12.0	10.3	10.6	12.2
69.5°	11.9	11.6	10.1	10.3	11.9
70°	11.6	11.3	9.8	10.0	11.6
70.5°	11.3	11.0	9.5	9.7	11.3
71°	11.0	10.7	9.2	9.4	11.0
71.5°	10.7	10.4	8.9	9.1	10.7
72°	10.4	10.1	8.6	8.8	10.4
72.5°	10.0	9.8	8.3	8.5	10.0
73°	9.7	9.5	8.0	8.2	9.7
73.5°	9.4	9.2	7.7	7.9	9.4
74°	9.1	8.9	7.4	7.7	9.1
74.5°	8.8	8.6	7.2	7.4	8.8
75°	8.5	8.3	6.9	7.1	8.5
75.5°	8.2	8.0	6.6	6.8	8.2
76°	7.9	7.7	6.3	6.5	7.9
76.5°	7.6	7.4	6.0	6.2	7.6
77°	7.3	7.1	5.8	6.0	7.3
77.5°	7.0	6.8	5.5	5.7	7.0
78°	6.7	6.5	5.2	5.4	6.7
78.5°	6.4	6.2	5.0	5.1	6.4
79°	6.1	5.9	4.7	4.9	6.1
79.5°	5.9	5.6	4.4	4.6	5.9
80°	5.6	5.3	4.2	4.3	5.6
80.5°	5.3	5.1	4.0	4.1	5.3
81°	5.0	4.8	3.6	3.8	5.0
81.5°	4.7	4.5	3.3	3.6	4.7
82°	4.4	4.2	3.0	3.3	4.4
82.5°	4.1	4.0	2.7	3.0	4.1
83°	3.8	3.7	2.4	2.8	3.8
83.5°	3.5	3.4	2.2	2.5	3.5
84°	3.2	3.1	1.9	2.3	3.2
84.5°	2.9	2.8	1.6	2.1	2.9
85°	2.6	2.5	1.4	1.9	2.6
85.5°	2.3	2.3	1.2	1.7	2.3
86°	2.0	2.0	1.0	1.4	2.0
86.5°	1.8	1.8	0.9	1.2	1.8
87°	1.6	1.6	0.7	1.0	1.6
87.5°	1.4	1.4	0.6	0.9	1.4
88°	1.2	1.2	0.5	0.7	1.2
88.5°	1.0	1.0	0.3	0.5	1.0
89°	0.8	0.8	0.1	0.3	0.8
89.5°	0.7	0.6	0.0	0.1	0.7



TEST NUMBER: P1431942

CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
90°	0.4	0.5	0.0	0.0	0.4
90.5°	0.2	0.2	0.0	0.0	0.2
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	0.5	0.0	0.6
95°	1.0	0.0	2.2	0.0	1.0
95.5°	1.1	0.0	2.2	0.0	1.1
96°	1.1	0.0	2.2	0.0	1.1
96.5°	1.2	0.1	2.2	1.2	1.2
97°	1.2	0.8	2.1	2.0	1.2
97.5°	1.2	1.3	2.0	2.0	1.2
98°	1.2	1.4	1.9	2.0	1.2
98.5°	1.3	1.4	1.7	2.0	1.3
99°	1.3	1.4	1.8	2.0	1.3
99.5°	1.3	1.4	1.9	2.0	1.3
100°	1.3	1.4	1.9	2.0	1.3
100.5°	1.3	1.5	1.8	2.0	1.3
101°	1.3	1.5	1.8	2.0	1.3
101.5°	1.3	1.5	2.0	2.0	1.3
102°	1.3	1.5	2.0	2.0	1.3
102.5°	1.3	1.5	1.8	2.0	1.3
103°	1.3	1.5	1.4	1.9	1.3
103.5°	1.3	1.5	1.3	1.9	1.3
104°	1.3	1.5	1.2	1.9	1.3
104.5°	1.3	1.5	1.2	1.9	1.3
105°	1.3	1.4	1.2	1.9	1.3
105.5°	1.3	1.4	1.2	1.9	1.3
106°	1.3	1.4	1.1	1.9	1.3
106.5°	1.3	1.4	1.0	1.9	1.3
107°	1.2	1.4	0.9	1.8	1.2
107.5°	1.2	1.4	0.8	1.8	1.2
108°	1.2	1.4	0.8	1.8	1.2
108.5°	1.2	1.4	0.9	1.8	1.2
109°	1.2	1.4	1.0	1.8	1.2
109.5°	1.2	1.4	1.1	1.8	1.2
110°	1.2	1.4	1.2	1.8	1.2
110.5°	1.2	1.4	1.3	1.8	1.2
111°	1.2	1.4	1.3	1.8	1.2
111.5°	1.2	1.4	1.4	1.8	1.2
112°	1.0	1.3	1.5	1.7	1.0

TEST NUMBER: P1431942

CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
112.5°	0.1	1.3	1.6	1.7	0.1
113°	0.0	1.3	1.6	1.7	0.0
113.5°	0.0	1.3	1.8	1.7	0.0
114°	0.1	1.3	2.0	1.7	0.1
114.5°	0.3	1.3	2.1	1.7	0.3
115°	0.4	1.3	2.2	1.7	0.4
115.5°	0.4	1.3	2.2	1.7	0.4
116°	0.4	1.3	2.2	1.7	0.4
116.5°	0.4	1.3	2.2	1.7	0.4
117°	0.4	1.3	2.2	1.7	0.4
117.5°	0.4	1.3	2.2	1.7	0.4
118°	0.4	1.3	2.2	1.7	0.4
118.5°	0.4	1.2	2.2	1.7	0.4
119°	0.4	1.2	2.0	1.7	0.4
119.5°	0.4	1.2	1.9	1.6	0.4
120°	0.4	1.2	1.8	1.6	0.4
120.5°	0.4	1.2	1.7	1.6	0.4
121°	0.4	1.2	1.7	1.6	0.4
121.5°	0.4	1.2	1.6	1.6	0.4
122°	0.4	1.2	1.5	1.6	0.4
122.5°	0.4	1.2	1.4	1.6	0.4
123°	0.3	1.2	1.4	1.5	0.3
123.5°	0.3	1.2	1.4	1.5	0.3
124°	0.1	1.2	1.4	1.5	0.1
124.5°	0.0	1.2	1.2	1.5	0.0
125°	0.0	1.1	0.9	1.5	0.0
125.5°	0.0	1.1	0.8	1.5	0.0
126°	0.0	1.1	0.8	1.4	0.0
126.5°	0.0	1.1	1.1	1.4	0.0
127°	0.0	1.1	1.3	1.4	0.0
127.5°	0.0	1.1	1.4	1.4	0.0
128°	0.0	1.1	1.6	1.4	0.0
128.5°	0.2	1.1	1.6	1.4	0.2
129°	0.3	1.1	1.5	1.4	0.3
129.5°	0.3	1.1	1.4	1.3	0.3
130°	0.3	1.0	1.3	1.3	0.3
130.5°	0.3	1.0	1.4	1.3	0.3
131°	0.3	1.0	1.4	1.3	0.3
131.5°	0.3	1.0	1.4	1.3	0.3
132°	0.3	1.0	1.4	1.3	0.3
132.5°	0.3	1.0	1.4	1.3	0.3
133°	0.3	1.0	1.5	1.2	0.3
133.5°	0.3	1.0	1.5	1.2	0.3
134°	0.3	1.0	1.5	1.2	0.3
134.5°	0.3	1.0	1.5	1.2	0.3

TEST NUMBER: P1431942

CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1431942

CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

CANDELA DISTRIBUTION (continued):

	0°	90°	180°	270°	360°
157.5°	0.2	0.6	0.6	0.6	0.2
158°	0.2	0.6	0.6	0.6	0.2
158.5°	0.2	0.6	0.6	0.6	0.2
159°	0.2	0.6	0.6	0.6	0.2
159.5°	0.2	0.6	0.6	0.6	0.2
160°	0.2	0.6	0.6	0.6	0.2
160.5°	0.2	0.6	0.6	0.6	0.2
161°	0.2	0.6	0.6	0.6	0.2
161.5°	0.2	0.5	0.6	0.6	0.2
162°	0.2	0.5	0.6	0.6	0.2
162.5°	0.2	0.5	0.5	0.6	0.2
163°	0.2	0.5	0.5	0.5	0.2
163.5°	0.2	0.5	0.5	0.5	0.2
164°	0.2	0.5	0.5	0.5	0.2
164.5°	0.2	0.5	0.5	0.5	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	0.5	0.5	0.4	0.2
166.5°	0.2	0.5	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	0.4	0.2
170°	0.2	0.4	0.4	0.3	0.2
170.5°	0.2	0.3	0.4	0.3	0.2
171°	0.2	0.3	0.3	0.3	0.2
171.5°	0.2	0.3	0.3	0.3	0.2
172°	0.2	0.3	0.3	0.3	0.2
172.5°	0.2	0.3	0.3	0.3	0.2
173°	0.1	0.3	0.3	0.2	0.1
173.5°	0.1	0.3	0.3	0.1	0.1
174°	0.1	0.3	0.3	0.1	0.1
174.5°	0.1	0.2	0.2	0.1	0.1
175°	0.1	0.2	0.2	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°	0.1	0.1	0.1	0.0	0.1
177°	0.1	0.0	0.0	0.0	0.1
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: P1431942
CATALOG NUMBER: HSLUNVMW-Marker-High-Diffusion-3000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)