

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: P1431926

Luminaire Tested: **HSLBKMW-3500K**

Issue Date: 3/16/2026



Test Information

Test Method: LM-79-08
Report Number: P1431926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (UTU2511015E-B)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HSLBKMW-3500K
Description: Marker (Default)

Light Source:
Ballast/Driver: ELECTRONIC DRIVER

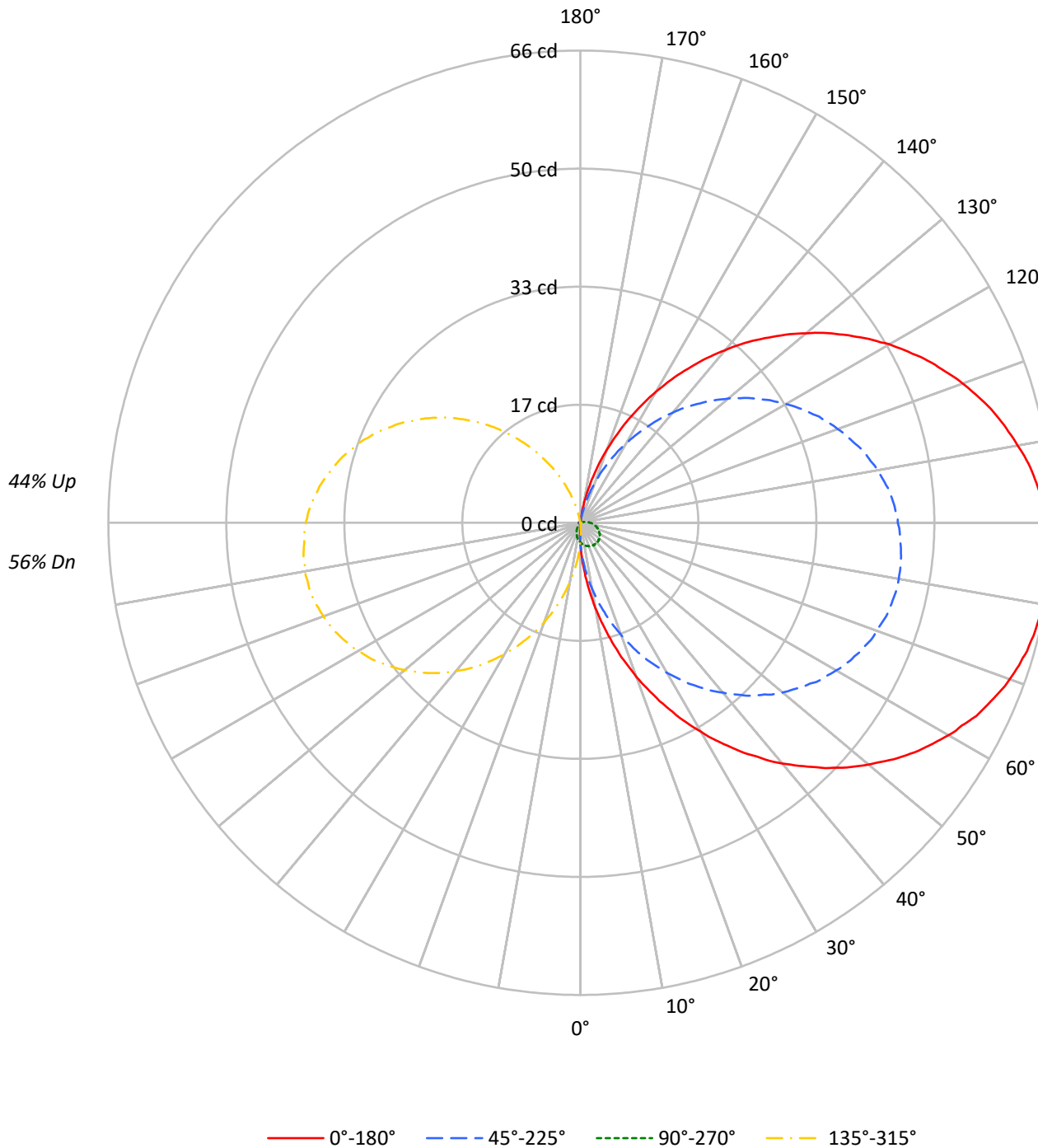
Summary

Lumens per Lamp: 175.6 (1 lamp)
Luminaire Lumens: 180.0 lumens
Efficiency: 102.5%
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 5.38 / 1.22 / 4.19
Luminous Opening: Rectangular (W 0.32' x L: 0.76' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 3.9
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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Luminous Intensity Polar Plot

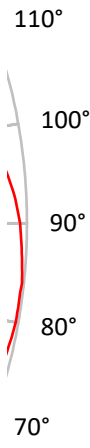




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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

	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	111	111	111	111	103	103	103	103	89	89	89	75	75	75	63	63	63
	1	95	88	82	76	88	81	76	71	68	64	60	57	53	50	46	43	41
	2	84	74	65	57	77	68	60	53	57	50	45	46	41	37	37	33	30
	3	75	63	53	45	69	58	49	41	48	41	35	39	33	29	31	26	23
	4	68	54	44	36	62	50	41	33	41	34	28	33	28	23	26	22	18
	5	62	47	37	30	56	44	34	27	36	29	23	29	23	19	23	18	14
	6	57	42	32	25	52	39	30	23	32	25	19	26	20	16	20	16	12
	7	52	37	28	21	47	34	26	20	29	22	16	23	18	13	18	14	10
	8	48	34	25	18	44	31	23	17	26	19	14	21	15	11	17	12	9
	9	45	30	22	16	41	28	20	15	23	17	12	19	14	10	15	11	7
	10	42	28	19	14	38	26	18	13	21	15	11	18	12	9	14	10	7



AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	121	121	121	121
5°	316	135	0	113
10°	548	146	0	100
15°	806	158	0	88
20°	1096	168	0	77
25°	1405	179	0	60
30°	1751	192	0	47
35°	2142	198	0	27
40°	2578	211	0	18
45°	3085	229	0	6
50°	3681	238	0	0
55°	4416	259	0	0
60°	5344	279	0	0
65°	6599	309	0	0
70°	8405	342	0	0
75°	11315	417	0	0
80°	17020	544	26	0
85°	33910	877	52	0



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ZONAL LUMENS:					CANDELA DISTRIBUTION:					
20	Zone	Lumens	% Fixture	% Lamp		0°	90°	180°	270°	360°
0	0°-10°	0.3	0.2	0.2	0°	3	3	3	3	3
0	10°-20°	1.7	1.0	1.0	5°	7	3	0	2	7
	20°-30°	4.2	2.3	2.4	15°	17	3	0	2	17
57	30°-40°	7.6	4.2	4.3	25°	28	4	0	1	28
35	40°-50°	11.4	6.4	6.5	35°	39	4	0	0	39
25	50°-60°	15.2	8.4	8.6	45°	48	4	0	0	48
18	60°-70°	18.3	10.2	10.4	55°	56	3	0	0	56
14	70°-80°	20.4	11.3	11.6	65°	62	3	0	0	62
11	80°-90°	21.0	11.7	12.0	75°	65	2	0	0	65
9	90°-100°	20.3	11.3	11.6	85°	66	2	0	0	66
7	100°-110°	18.2	10.1	10.4	90°	65	1	0	0	65
6	110°-120°	15.1	8.4	8.6	95°	64	1	0	0	64
5	120°-130°	11.5	6.4	6.6	105°	60	0	0	0	60
4	130°-140°	7.8	4.3	4.4	115°	54	0	0	0	54
	140°-150°	4.5	2.5	2.5	125°	46	0	0	0	46
	150°-160°	1.9	1.1	1.1	135°	36	0	0	0	36
	160°-170°	0.4	0.2	0.2	145°	26	0	0	0	26
	170°-180°	0.0	0.0	0.0	155°	16	0	0	0	16
	0°-30°	6.3	3.5	3.6	165°	6	0	0	0	6
	0°-40°	13.9	7.7	7.9	175°	0	0	0	0	0
	0°-60°	40.5	22.5	23.1	180°	0	0	0	0	0
	0°-90°	100.2	55.7	57.1						
	90°-120°	53.6	29.8	30.5						
	90°-150°	77.4	43.0	44.1						
	90°-180°	80.0	44.5	45.6						
	0°-180°	180.0	100.0	102.5						



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CANDELA DISTRIBUTION (FULL):

Flux		0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
	0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
1	1°	3.6	3.5	3.4	3.1	2.8	2.5	2.2	2.1	2.0	2.0
5	2°	4.4	4.2	4.0	3.5	2.8	2.3	1.8	1.4	1.2	1.3
13	3°	5.2	5.0	4.5	3.8	2.9	2.0	1.3	0.8	0.6	0.6
25	4°	6.1	5.8	5.2	4.2	2.9	1.8	0.8	0.3	0.1	0.2
38	5°	7.0	6.8	5.8	4.5	3.0	1.5	0.4	0.0	0.0	0.0
50	6°	8.0	7.6	6.5	4.9	3.0	1.3	0.2	0.0	0.0	0.0
61	7°	8.9	8.5	7.1	5.3	3.1	1.1	0.0	0.0	0.0	0.0
69	8°	9.9	9.5	7.9	5.7	3.1	0.9	0.0	0.0	0.0	0.0
54	9°	11.0	10.4	8.6	6.0	3.2	0.6	0.0	0.0	0.0	0.0
36	10°	12.0	11.4	9.3	6.4	3.2	0.5	0.0	0.0	0.0	0.0
52	11°	13.0	12.4	10.0	6.8	3.2	0.3	0.0	0.0	0.0	0.0
63	12°	14.1	13.3	10.7	7.2	3.3	0.2	0.0	0.0	0.0	0.0
53	13°	15.1	14.4	11.5	7.6	3.3	0.1	0.0	0.0	0.0	0.0
41	14°	16.2	15.3	12.2	8.0	3.3	0.0	0.0	0.0	0.0	0.0
28	15°	17.3	16.3	12.9	8.4	3.4	0.0	0.0	0.0	0.0	0.0
17	16°	18.4	17.4	13.7	8.8	3.4	0.0	0.0	0.0	0.0	0.0
8	17°	19.6	18.4	14.5	9.2	3.4	0.0	0.0	0.0	0.0	0.0
2	18°	20.6	19.4	15.2	9.5	3.4	0.0	0.0	0.0	0.0	0.0
0	19°	21.7	20.4	15.9	10.0	3.5	0.0	0.0	0.0	0.0	0.0
	20°	22.9	21.5	16.7	10.3	3.5	0.0	0.0	0.0	0.0	0.0
	21°	24.0	22.5	17.5	10.7	3.5	0.0	0.0	0.0	0.0	0.0
	22°	25.0	23.5	18.2	11.1	3.5	0.0	0.0	0.0	0.0	0.0
	23°	26.1	24.5	19.0	11.5	3.5	0.0	0.0	0.0	0.0	0.0
	24°	27.3	25.6	19.8	11.9	3.6	0.0	0.0	0.0	0.0	0.0
	25°	28.3	26.6	20.5	12.2	3.6	0.0	0.0	0.0	0.0	0.0
	26°	29.4	27.7	21.3	12.7	3.6	0.0	0.0	0.0	0.0	0.0
	27°	30.6	28.7	22.0	13.0	3.6	0.0	0.0	0.0	0.0	0.0
	28°	31.6	29.7	22.7	13.4	3.6	0.0	0.0	0.0	0.0	0.0
	29°	32.7	30.6	23.4	13.7	3.6	0.0	0.0	0.0	0.0	0.0
	30°	33.7	31.6	24.2	14.1	3.7	0.0	0.0	0.0	0.0	0.0
	31°	34.9	32.7	24.9	14.5	3.6	0.0	0.0	0.0	0.0	0.0
	32°	35.9	33.6	25.6	14.8	3.6	0.0	0.0	0.0	0.0	0.0
	33°	36.9	34.7	26.3	15.2	3.7	0.0	0.0	0.0	0.0	0.0
	34°	37.9	35.6	27.1	15.6	3.6	0.0	0.0	0.0	0.0	0.0
	35°	39.0	36.5	27.7	15.9	3.6	0.0	0.0	0.0	0.0	0.0
	36°	40.0	37.4	28.4	16.2	3.6	0.0	0.0	0.0	0.0	0.0
	37°	40.9	38.4	29.1	16.6	3.7	0.0	0.0	0.0	0.0	0.0
	38°	42.0	39.3	29.8	16.9	3.6	0.0	0.0	0.0	0.0	0.0
	39°	43.0	40.2	30.4	17.1	3.6	0.0	0.0	0.0	0.0	0.0
	40°	43.9	41.0	31.0	17.5	3.6	0.0	0.0	0.0	0.0	0.0
	41°	44.8	41.9	31.7	17.8	3.6	0.0	0.0	0.0	0.0	0.0
	42°	45.7	42.8	32.3	18.1	3.6	0.0	0.0	0.0	0.0	0.0
	43°	46.6	43.7	32.9	18.4	3.6	0.0	0.0	0.0	0.0	0.0
	44°	47.5	44.5	33.6	18.8	3.6	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

225°	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
2.7	45°	48.5	45.3	34.2	19.0	3.6	0.0	0.0	0.0	0.0
2.2	46°	49.3	46.1	34.7	19.3	3.5	0.0	0.0	0.0	0.0
1.6	47°	50.2	46.9	35.2	19.5	3.5	0.0	0.0	0.0	0.0
1.1	48°	51.0	47.6	35.9	19.8	3.5	0.0	0.0	0.0	0.0
0.6	49°	51.8	48.4	36.4	20.1	3.5	0.0	0.0	0.0	0.0
0.3	50°	52.6	49.1	36.9	20.3	3.4	0.0	0.0	0.0	0.0
0.0	51°	53.3	49.8	37.4	20.5	3.4	0.0	0.0	0.0	0.0
0.0	52°	54.1	50.6	37.8	20.8	3.4	0.0	0.0	0.0	0.0
0.0	53°	54.9	51.2	38.3	21.0	3.4	0.0	0.0	0.0	0.0
0.0	54°	55.6	51.8	38.8	21.2	3.3	0.0	0.0	0.0	0.0
0.0	55°	56.3	52.5	39.2	21.4	3.3	0.0	0.0	0.0	0.0
0.0	56°	57.0	53.2	39.8	21.6	3.3	0.0	0.0	0.0	0.0
0.0	57°	57.6	53.7	40.2	21.8	3.2	0.0	0.0	0.0	0.0
0.0	58°	58.2	54.3	40.5	22.0	3.2	0.0	0.0	0.0	0.0
0.0	59°	58.8	54.8	40.9	22.1	3.2	0.0	0.0	0.0	0.0
0.0	60°	59.4	55.4	41.3	22.3	3.1	0.0	0.0	0.0	0.0
0.0	61°	60.0	55.9	41.7	22.4	3.1	0.0	0.0	0.0	0.0
0.0	62°	60.4	56.4	42.0	22.5	3.0	0.0	0.0	0.0	0.0
0.0	63°	61.0	56.9	42.4	22.7	3.0	0.0	0.0	0.0	0.0
0.0	64°	61.6	57.3	42.6	22.8	2.9	0.0	0.0	0.0	0.0
0.0	65°	62.0	57.7	43.0	22.9	2.9	0.0	0.0	0.0	0.0
0.0	66°	62.4	58.2	43.2	23.1	2.8	0.0	0.0	0.0	0.0
0.0	67°	62.8	58.5	43.5	23.1	2.8	0.0	0.0	0.0	0.0
0.0	68°	63.2	58.9	43.8	23.2	2.8	0.0	0.0	0.0	0.0
0.0	69°	63.6	59.2	44.0	23.3	2.7	0.0	0.0	0.0	0.0
0.0	70°	63.9	59.5	44.1	23.4	2.6	0.0	0.0	0.0	0.0
0.0	71°	64.2	59.8	44.3	23.5	2.6	0.0	0.0	0.0	0.0
0.0	72°	64.5	60.0	44.5	23.6	2.5	0.0	0.0	0.0	0.0
0.0	73°	64.7	60.2	44.7	23.6	2.5	0.0	0.0	0.0	0.0
0.0	74°	65.0	60.5	44.9	23.6	2.4	0.0	0.0	0.1	0.0
0.0	75°	65.1	60.7	44.9	23.6	2.4	0.0	0.0	0.0	0.1
0.0	76°	65.3	60.8	45.0	23.7	2.3	0.0	0.0	0.0	0.0
0.0	77°	65.4	60.9	45.1	23.6	2.3	0.0	0.0	0.1	0.0
0.0	78°	65.5	61.0	45.2	23.7	2.2	0.0	0.0	0.1	0.1
0.0	79°	65.6	61.1	45.2	23.6	2.1	0.0	0.0	0.1	0.1
0.0	80°	65.7	61.2	45.2	23.6	2.1	0.0	0.0	0.1	0.1
0.1	81°	65.7	61.2	45.2	23.6	2.0	0.0	0.0	0.1	0.1
0.0	82°	65.7	61.2	45.2	23.5	1.9	0.0	0.0	0.1	0.2
0.0	83°	65.7	61.1	45.1	23.4	1.9	0.0	0.0	0.1	0.1
0.0	84°	65.8	61.1	45.1	23.4	1.8	0.0	0.0	0.1	0.2
0.0	85°	65.7	61.1	45.0	23.3	1.7	0.0	0.0	0.1	0.1
0.0	86°	65.6	61.0	44.9	23.2	1.7	0.0	0.0	0.1	0.1
0.0	87°	65.5	61.0	44.8	23.1	1.6	0.0	0.1	0.1	0.1
0.1	88°	65.4	60.8	44.7	23.0	1.6	0.0	0.0	0.1	0.1
0.0	89°	65.3	60.7	44.6	22.8	1.5	0.0	0.1	0.1	0.1



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CANDELA DISTRIBUTION (continued):

225°	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	
0.0	90°	65.2	60.5	44.4	22.7	1.4	0.0	0.1	0.1	0.1	0.1
0.0	91°	65.0	60.3	44.4	22.6	1.3	0.0	0.1	0.1	0.2	0.1
0.0	92°	64.8	60.2	44.1	22.5	1.3	0.0	0.1	0.1	0.2	0.1
0.0	93°	64.6	60.0	44.0	22.4	1.2	0.0	0.1	0.1	0.1	0.1
0.0	94°	64.3	59.7	43.8	22.2	1.2	0.0	0.1	0.1	0.2	0.1
0.0	95°	64.0	59.4	43.6	22.0	1.1	0.0	0.1	0.1	0.2	0.1
0.0	96°	63.7	59.1	43.4	21.9	1.0	0.0	0.1	0.1	0.2	0.1
0.0	97°	63.4	58.8	43.1	21.7	1.0	0.0	0.1	0.1	0.2	0.1
0.0	98°	63.0	58.5	42.8	21.5	0.9	0.0	0.1	0.1	0.2	0.1
0.0	99°	62.6	58.1	42.5	21.3	0.8	0.0	0.1	0.1	0.1	0.0
0.0	100°	62.1	57.8	42.2	21.1	0.8	0.0	0.1	0.1	0.2	0.1
0.0	101°	61.7	57.3	41.9	20.9	0.7	0.0	0.0	0.1	0.1	0.1
0.1	102°	61.2	56.9	41.5	20.7	0.6	0.0	0.0	0.1	0.1	0.0
0.0	103°	60.8	56.4	41.2	20.4	0.6	0.0	0.0	0.1	0.1	0.0
0.0	104°	60.3	56.0	40.9	20.2	0.5	0.0	0.0	0.1	0.1	0.0
0.0	105°	59.8	55.5	40.5	19.9	0.4	0.0	0.0	0.1	0.0	0.0
0.0	106°	59.3	55.0	40.0	19.7	0.4	0.0	0.0	0.1	0.1	0.0
0.0	107°	58.7	54.5	39.6	19.4	0.3	0.0	0.0	0.1	0.1	0.0
0.0	108°	58.1	53.9	39.2	19.2	0.3	0.0	0.0	0.1	0.0	0.0
0.1	109°	57.5	53.4	38.8	18.9	0.2	0.0	0.0	0.1	0.0	0.0
0.0	110°	56.9	52.8	38.3	18.6	0.2	0.0	0.0	0.1	0.0	0.0
0.1	111°	56.3	52.2	37.9	18.3	0.2	0.0	0.0	0.1	0.0	0.0
0.0	112°	55.6	51.6	37.4	18.0	0.1	0.0	0.0	0.1	0.0	0.0
0.0	113°	54.9	50.9	36.9	17.7	0.1	0.0	0.0	0.1	0.0	0.0
0.0	114°	54.3	50.3	36.5	17.4	0.0	0.0	0.0	0.0	0.0	0.0
0.0	115°	53.6	49.7	35.9	17.1	0.0	0.0	0.0	0.1	0.0	0.0
0.1	116°	52.9	49.0	35.4	16.8	0.0	0.0	0.0	0.0	0.1	0.0
0.0	117°	52.1	48.3	34.9	16.5	0.0	0.0	0.0	0.0	0.0	0.0
0.0	118°	51.4	47.6	34.3	16.2	0.0	0.0	0.0	0.0	0.0	0.0
0.0	119°	50.6	46.9	33.8	15.8	0.0	0.0	0.0	0.0	0.0	0.0
0.0	120°	49.9	46.1	33.2	15.5	0.0	0.0	0.0	0.0	0.0	0.0
0.0	121°	49.0	45.4	32.6	15.1	0.0	0.0	0.0	0.0	0.0	0.0
0.0	122°	48.2	44.7	32.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0
0.0	123°	47.4	43.9	31.5	14.5	0.0	0.0	0.0	0.0	0.0	0.0
0.1	124°	46.5	43.1	30.8	14.1	0.0	0.0	0.0	0.0	0.0	0.0
0.0	125°	45.7	42.3	30.2	13.8	0.0	0.0	0.0	0.0	0.0	0.0
0.0	126°	44.8	41.5	29.6	13.4	0.0	0.0	0.0	0.0	0.0	0.0
0.1	127°	44.0	40.6	29.0	13.1	0.0	0.0	0.0	0.0	0.0	0.0
0.1	128°	43.1	39.8	28.3	12.7	0.0	0.0	0.0	0.0	0.0	0.0
0.1	129°	42.2	39.0	27.7	12.3	0.0	0.0	0.0	0.0	0.0	0.0
0.1	130°	41.2	38.1	27.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	131°	40.3	37.3	26.3	11.6	0.0	0.0	0.0	0.0	0.0	0.0
0.1	132°	39.4	36.4	25.7	11.2	0.0	0.0	0.0	0.0	0.0	0.0
0.1	133°	38.4	35.5	25.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0
0.2	134°	37.4	34.6	24.3	10.5	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1431926

CATALOG NUMBER: HSLBKMW-3500K

CANDELA DISTRIBUTION (continued):

225°	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
0.1	135°	36.5	33.7	23.6	10.1	0.0	0.0	0.0	0.0	0.0
0.1	136°	35.5	32.8	22.9	9.8	0.0	0.0	0.0	0.0	0.0
0.2	137°	34.6	31.7	22.2	9.4	0.0	0.0	0.0	0.0	0.0
0.1	138°	33.6	30.9	21.6	9.0	0.0	0.0	0.0	0.0	0.0
0.1	139°	32.6	29.9	20.8	8.6	0.0	0.0	0.0	0.0	0.0
0.1	140°	31.5	29.0	20.1	8.2	0.0	0.0	0.0	0.0	0.0
0.2	141°	30.5	28.0	19.4	7.9	0.0	0.0	0.0	0.0	0.0
0.2	142°	29.5	27.1	18.7	7.5	0.0	0.0	0.0	0.0	0.0
0.1	143°	28.5	26.0	17.9	7.1	0.0	0.0	0.0	0.0	0.0
0.0	144°	27.4	25.1	17.2	6.7	0.0	0.0	0.0	0.0	0.0
0.1	145°	26.3	24.2	16.4	6.3	0.0	0.0	0.0	0.0	0.0
0.0	146°	25.3	23.2	15.8	5.9	0.0	0.0	0.0	0.0	0.0
0.1	147°	24.3	22.3	15.0	5.6	0.0	0.0	0.0	0.0	0.0
0.1	148°	23.2	21.3	14.3	5.2	0.0	0.0	0.0	0.0	0.0
0.1	149°	22.1	20.2	13.6	5.0	0.0	0.0	0.0	0.0	0.0
0.1	150°	21.1	19.3	12.8	4.6	0.0	0.0	0.0	0.0	0.0
0.0	151°	20.1	18.3	12.1	4.2	0.0	0.0	0.0	0.0	0.0
0.1	152°	19.0	17.3	11.5	3.9	0.0	0.0	0.0	0.0	0.0
0.0	153°	18.0	16.3	10.7	3.6	0.0	0.0	0.0	0.0	0.0
0.0	154°	16.9	15.4	10.0	3.2	0.0	0.0	0.0	0.0	0.0
0.0	155°	15.9	14.4	9.3	2.8	0.0	0.0	0.0	0.0	0.0
0.0	156°	14.9	13.5	8.6	2.5	0.0	0.0	0.0	0.0	0.0
0.0	157°	13.8	12.6	8.0	2.1	0.0	0.0	0.0	0.0	0.0
0.0	158°	12.9	11.6	7.4	1.9	0.0	0.0	0.0	0.0	0.0
0.0	159°	11.8	10.7	6.6	1.5	0.0	0.0	0.0	0.0	0.0
0.0	160°	10.9	9.7	6.0	1.2	0.0	0.0	0.0	0.0	0.0
0.0	161°	9.9	8.9	5.4	0.9	0.0	0.0	0.0	0.0	0.0
0.0	162°	9.0	8.0	4.8	0.7	0.0	0.0	0.0	0.0	0.0
0.0	163°	8.0	7.1	4.2	0.4	0.0	0.0	0.0	0.0	0.0
0.0	164°	7.1	6.3	3.6	0.1	0.0	0.0	0.0	0.0	0.0
0.1	165°	6.3	5.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0
0.0	166°	5.3	4.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167°	4.6	4.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0
0.0	168°	3.7	3.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
0.0	169°	3.0	2.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	2.3	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0
0.0	171°	1.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172°	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	173°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1431926

CATALOG NUMBER: HSLBKMW-3500K

CANDELA DISTRIBUTION (continued):

225°		247.5°	270°	292.5°	315°	337.5°	360°
0.0	0°	2.7	2.7	2.7	2.7	2.7	2.7
	1°	2.4	2.7	3.0	3.3	3.5	3.6
	2°	2.1	2.6	3.2	3.8	4.2	4.4
	3°	1.8	2.6	3.5	4.3	5.0	5.2
	4°	1.4	2.5	3.7	4.9	5.7	6.1
	5°	1.1	2.5	4.0	5.5	6.5	7.0
	6°	0.8	2.4	4.2	6.0	7.4	8.0
	7°	0.5	2.4	4.5	6.6	8.2	8.9
	8°	0.3	2.3	4.7	7.2	9.1	9.9
	9°	0.1	2.3	5.0	7.8	10.0	11.0
	10°	0.0	2.2	5.2	8.4	10.8	12.0
	11°	0.0	2.2	5.5	9.0	11.8	13.0
	12°	0.0	2.1	5.7	9.6	12.7	14.1
	13°	0.0	2.0	6.0	10.3	13.7	15.1
	14°	0.0	2.0	6.3	10.9	14.6	16.2
	15°	0.0	1.9	6.5	11.5	15.5	17.3
	16°	0.0	1.8	6.8	12.2	16.4	18.4
	17°	0.0	1.8	7.0	12.9	17.5	19.6
	18°	0.0	1.7	7.3	13.5	18.4	20.6
	19°	0.0	1.7	7.5	14.1	19.3	21.7
	20°	0.0	1.6	7.8	14.8	20.4	22.9
	21°	0.0	1.5	8.0	15.4	21.3	24.0
	22°	0.0	1.4	8.3	16.1	22.3	25.0
	23°	0.0	1.4	8.5	16.7	23.2	26.1
	24°	0.0	1.3	8.8	17.4	24.2	27.3
	25°	0.0	1.2	9.0	18.0	25.2	28.3
	26°	0.0	1.2	9.3	18.6	26.1	29.4
	27°	0.0	1.1	9.5	19.3	27.1	30.6
	28°	0.0	1.0	9.8	19.9	28.0	31.6
	29°	0.0	1.0	10.0	20.5	29.0	32.7
	30°	0.0	0.9	10.2	21.2	29.9	33.7
	31°	0.0	0.8	10.4	21.8	30.9	34.9
	32°	0.0	0.7	10.7	22.4	31.8	35.9
	33°	0.0	0.7	10.9	23.0	32.7	36.9
	34°	0.0	0.6	11.1	23.7	33.6	37.9
	35°	0.0	0.5	11.3	24.3	34.5	39.0
	36°	0.0	0.5	11.5	24.8	35.3	40.0
	37°	0.0	0.4	11.7	25.4	36.1	40.9
	38°	0.0	0.4	12.0	26.0	37.1	42.0
	39°	0.0	0.3	12.1	26.5	37.9	43.0
	40°	0.0	0.3	12.3	27.1	38.7	43.9
	41°	0.0	0.2	12.5	27.6	39.5	44.8
	42°	0.0	0.2	12.7	28.2	40.4	45.7
	43°	0.0	0.2	12.9	28.7	41.1	46.6
	44°	0.0	0.1	13.1	29.2	41.9	47.5



TEST NUMBER: P1431926
 CATALOG NUMBER: HSLBKMW-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	0.0	0.1	13.2	29.7	42.7	48.5
46°	0.0	0.0	13.4	30.2	43.5	49.3
47°	0.0	0.0	13.6	30.7	44.2	50.2
48°	0.0	0.0	13.7	31.1	44.9	51.0
49°	0.0	0.0	13.9	31.6	45.6	51.8
50°	0.0	0.0	14.0	32.0	46.3	52.6
51°	0.0	0.0	14.1	32.5	46.9	53.3
52°	0.0	0.0	14.3	32.9	47.6	54.1
53°	0.0	0.0	14.4	33.3	48.2	54.9
54°	0.0	0.0	14.5	33.7	48.8	55.6
55°	0.0	0.0	14.6	34.1	49.4	56.3
56°	0.0	0.0	14.7	34.5	50.0	57.0
57°	0.0	0.0	14.9	34.9	50.6	57.6
58°	0.0	0.0	14.9	35.2	51.1	58.2
59°	0.0	0.0	15.0	35.5	51.6	58.8
60°	0.0	0.0	15.1	35.8	52.1	59.4
61°	0.0	0.0	15.2	36.2	52.6	60.0
62°	0.0	0.0	15.3	36.4	53.1	60.4
63°	0.0	0.0	15.3	36.7	53.6	61.0
64°	0.0	0.0	15.4	37.0	54.0	61.6
65°	0.0	0.0	15.5	37.2	54.4	62.0
66°	0.0	0.0	15.5	37.5	54.7	62.4
67°	0.0	0.0	15.5	37.7	55.1	62.8
68°	0.0	0.0	15.6	37.9	55.4	63.2
69°	0.0	0.0	15.6	38.1	55.7	63.6
70°	0.0	0.0	15.6	38.2	56.0	63.9
71°	0.0	0.0	15.7	38.4	56.3	64.2
72°	0.0	0.0	15.7	38.5	56.5	64.5
73°	0.0	0.0	15.7	38.7	56.7	64.7
74°	0.0	0.0	15.7	38.8	56.9	65.0
75°	0.0	0.0	15.7	38.9	57.0	65.1
76°	0.0	0.0	15.7	39.0	57.2	65.3
77°	0.0	0.0	15.6	39.0	57.3	65.4
78°	0.0	0.0	15.6	39.0	57.3	65.5
79°	0.0	0.0	15.6	39.1	57.4	65.6
80°	0.0	0.0	15.5	39.1	57.5	65.7
81°	0.0	0.0	15.5	39.0	57.5	65.7
82°	0.0	0.0	15.4	39.0	57.5	65.7
83°	0.0	0.0	15.4	39.0	57.5	65.7
84°	0.0	0.0	15.3	38.9	57.5	65.8
85°	0.0	0.0	15.2	38.8	57.4	65.7
86°	0.0	0.0	15.1	38.7	57.4	65.6
87°	0.0	0.0	15.0	38.7	57.3	65.5
88°	0.0	0.0	14.9	38.6	57.2	65.4
89°	0.0	0.0	14.8	38.5	57.1	65.3



TEST NUMBER: P1431926
 CATALOG NUMBER: HSLBKMW-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	14.8	38.4	57.0	65.2
91°	0.0	0.0	14.6	38.2	56.7	65.0
92°	0.0	0.0	14.5	38.1	56.6	64.8
93°	0.0	0.0	14.4	37.9	56.4	64.6
94°	0.0	0.0	14.3	37.7	56.2	64.3
95°	0.0	0.0	14.1	37.5	55.9	64.0
96°	0.0	0.0	14.0	37.2	55.6	63.7
97°	0.0	0.0	13.8	37.0	55.3	63.4
98°	0.0	0.0	13.7	36.8	55.0	63.0
99°	0.0	0.0	13.5	36.5	54.5	62.6
100°	0.0	0.0	13.4	36.2	54.2	62.1
101°	0.0	0.0	13.2	35.9	53.8	61.7
102°	0.0	0.0	13.0	35.6	53.4	61.2
103°	0.0	0.0	12.9	35.3	53.0	60.8
104°	0.0	0.0	12.7	35.0	52.6	60.3
105°	0.0	0.0	12.5	34.7	52.1	59.8
106°	0.0	0.0	12.3	34.3	51.6	59.3
107°	0.0	0.0	12.1	33.9	51.1	58.7
108°	0.0	0.0	11.9	33.5	50.6	58.1
109°	0.0	0.0	11.7	33.1	50.1	57.5
110°	0.0	0.0	11.5	32.8	49.6	56.9
111°	0.0	0.0	11.3	32.4	49.0	56.3
112°	0.0	0.0	11.1	31.9	48.4	55.6
113°	0.0	0.0	10.9	31.5	47.8	54.9
114°	0.0	0.0	10.7	31.1	47.2	54.3
115°	0.0	0.0	10.4	30.6	46.6	53.6
116°	0.0	0.0	10.2	30.1	45.9	52.9
117°	0.0	0.0	10.0	29.6	45.3	52.1
118°	0.0	0.0	9.8	29.2	44.6	51.4
119°	0.0	0.0	9.5	28.7	44.0	50.6
120°	0.0	0.0	9.3	28.2	43.3	49.9
121°	0.0	0.0	9.1	27.6	42.5	49.0
122°	0.0	0.0	8.8	27.1	41.8	48.2
123°	0.0	0.0	8.6	26.6	41.1	47.4
124°	0.0	0.0	8.4	26.1	40.4	46.5
125°	0.0	0.0	8.1	25.5	39.6	45.7
126°	0.0	0.0	7.9	25.0	38.8	44.8
127°	0.0	0.0	7.6	24.4	38.0	44.0
128°	0.0	0.0	7.4	23.9	37.2	43.1
129°	0.0	0.0	7.1	23.3	36.5	42.2
130°	0.0	0.0	6.9	22.7	35.6	41.2
131°	0.0	0.0	6.6	22.1	34.8	40.3
132°	0.0	0.0	6.4	21.5	33.9	39.4
133°	0.0	0.0	6.2	20.9	33.1	38.4
134°	0.0	0.0	5.9	20.4	32.3	37.4



TEST NUMBER: P1431926
 CATALOG NUMBER: HSLBKMW-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.0	0.0	5.6	19.7	31.4	36.5
136°	0.0	0.0	5.4	19.1	30.5	35.5
137°	0.0	0.0	5.2	18.5	29.7	34.6
138°	0.0	0.0	4.9	17.9	28.8	33.6
139°	0.0	0.0	4.7	17.3	27.9	32.6
140°	0.0	0.0	4.4	16.6	27.0	31.5
141°	0.0	0.0	4.2	16.0	26.1	30.5
142°	0.0	0.0	3.9	15.4	25.2	29.5
143°	0.0	0.0	3.7	14.8	24.3	28.5
144°	0.0	0.0	3.5	14.1	23.4	27.4
145°	0.0	0.0	3.2	13.5	22.5	26.3
146°	0.0	0.0	3.0	12.9	21.5	25.3
147°	0.0	0.0	2.8	12.3	20.6	24.3
148°	0.0	0.0	2.5	11.7	19.7	23.2
149°	0.0	0.0	2.3	11.1	18.8	22.1
150°	0.0	0.0	2.1	10.4	17.8	21.1
151°	0.0	0.0	1.8	9.8	16.9	20.1
152°	0.0	0.0	1.6	9.2	16.0	19.0
153°	0.0	0.0	1.4	8.7	15.1	18.0
154°	0.0	0.0	1.2	8.1	14.2	16.9
155°	0.0	0.0	0.9	7.5	13.2	15.9
156°	0.0	0.0	0.7	6.9	12.4	14.9
157°	0.0	0.0	0.6	6.3	11.5	13.8
158°	0.0	0.0	0.4	5.8	10.7	12.9
159°	0.0	0.0	0.2	5.3	9.8	11.8
160°	0.0	0.0	0.0	4.7	9.0	10.9
161°	0.0	0.0	0.0	4.2	8.1	9.9
162°	0.0	0.0	0.0	3.7	7.3	9.0
163°	0.0	0.0	0.0	3.2	6.5	8.0
164°	0.0	0.0	0.0	2.7	5.7	7.1
165°	0.0	0.0	0.0	2.2	5.0	6.3
166°	0.0	0.0	0.0	1.7	4.3	5.3
167°	0.0	0.0	0.0	1.1	3.5	4.6
168°	0.0	0.0	0.0	0.7	2.8	3.7
169°	0.0	0.0	0.0	0.3	2.1	3.0
170°	0.0	0.0	0.0	0.0	1.4	2.3
171°	0.0	0.0	0.0	0.0	0.8	1.5
172°	0.0	0.0	0.0	0.0	0.3	0.8
173°	0.0	0.0	0.0	0.0	0.0	0.2
174°	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1431926
CATALOG NUMBER: HSLBKMW-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)