

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: P1057169

Luminaire Tested: **HLCEMS410FS1E-4000K**

Issue Date: 8/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1057169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2503635A001)
Test Lab: INNOVATION CENTER
Issue Date: 8/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HLCEMS410FS1E-4000K
Description: HLCE Motion Sensor 4 inch at 4000K CCT

Light Source:
Ballast/Driver: ELECTRONIC DRIVER

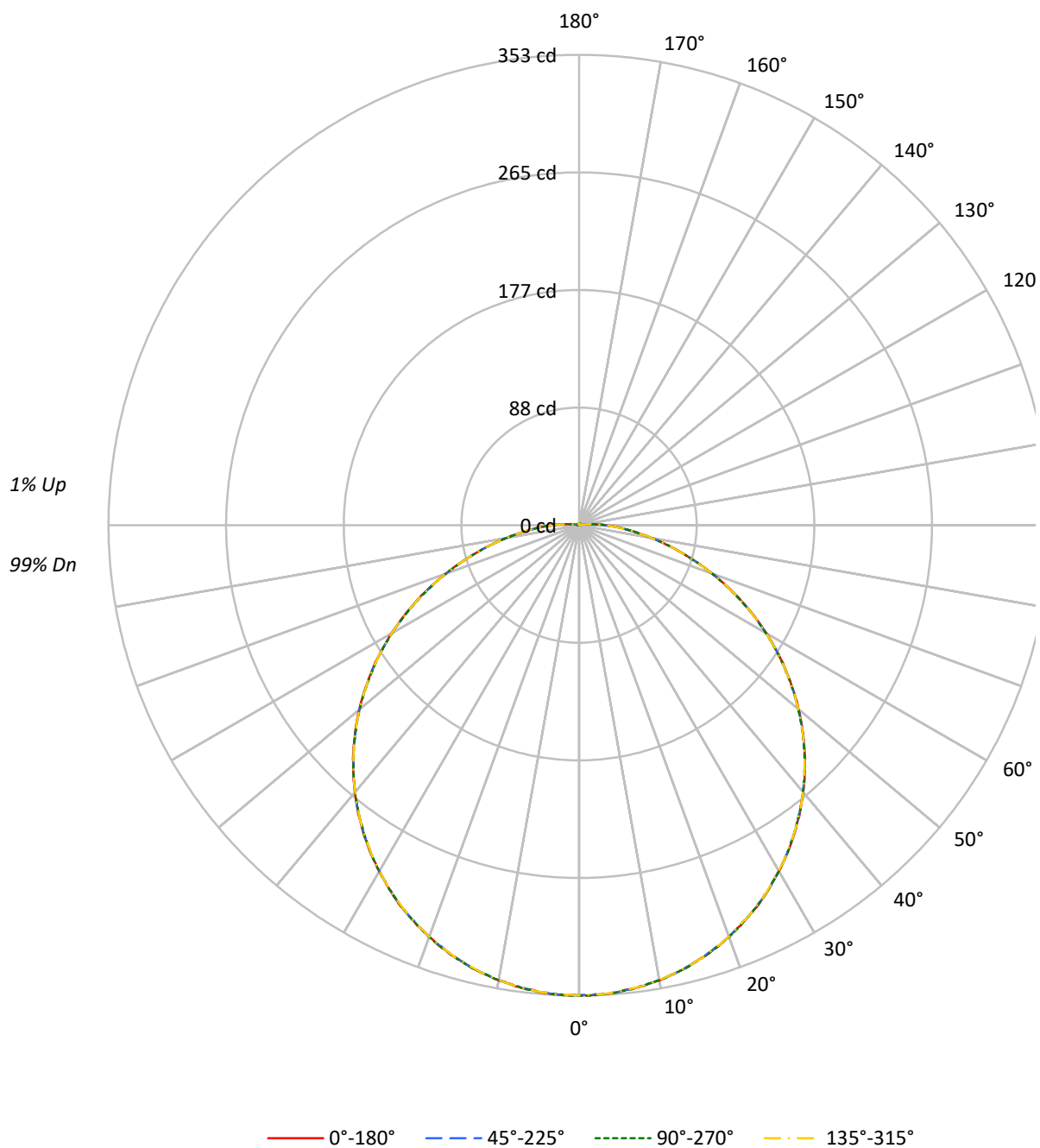
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1075.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: (L: -0.33 ' x W: 0 ' x H: -0.33 '
CIE Type: Direct

Input Watts (W): 12.2
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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		101
1	108	102	98	94	105	100	96	92	95	92	89		91	88	86		87
2	97	89	82	75	95	87	80	74	83	77	72		79	75	71		76
3	89	78	69	62	86	76	68	62	73	66	60		70	64	59		67
4	81	69	60	53	79	67	59	52	64	57	51		62	56	50		60
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54
6	69	55	46	39	67	54	45	39	52	44	39		50	43	38		48
7	64	50	41	35	62	49	40	34	47	40	34		46	39	34		44
8	59	45	37	31	58	45	36	31	43	36	30		42	35	30		41
9	55	42	33	28	54	41	33	28	40	32	27		39	32	27		37
10	52	38	30	25	50	38	30	25	37	30	25		36	29	25		35

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.			
5°				
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				

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ZONAL LUMENS:

	Zone	Lumens	% Fixture
20	0°-10°	33.4	3.1
0	10°-20°	95.7	8.9
	20°-30°	145.4	13.5
99	30°-40°	176.2	16.4
81	40°-50°	184.4	17.2
67	50°-60°	169.0	15.7
56	60°-70°	132.8	12.4
47	70°-80°	84.4	7.9
41	80°-90°	39.1	3.6
36	90°-100°	10.6	1.0
31	100°-110°	1.1	0.1
28	110°-120°	0.4	0.0
25	120°-130°	0.5	0.0
23	130°-140°	0.6	0.1
	140°-150°	0.6	0.1
	150°-160°	0.5	0.0
	160°-170°	0.3	0.0
	170°-180°	0.1	0.0
	0°-30°	274.5	25.5
	0°-40°	450.7	41.9
	0°-60°	804.1	74.8
	0°-90°	1060.3	98.6
	90°-120°	12.1	1.1
	90°-150°	13.8	1.3
	90°-180°	15.0	1.4
	0°-180°	1075.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°
0°	353	353	353	353	353
5°	352	351	352	351	352
15°	339	339	339	339	339
25°	316	316	316	316	316
35°	282	282	282	282	282
45°	239	239	239	239	239
55°	189	189	189	189	189
65°	134	134	134	134	134
75°	80	79	80	79	80
85°	35	36	35	36	35
90°	20	20	20	20	20
95°	9	10	9	10	9
105°	0	1	0	1	0
115°	0	0	0	0	0
125°	1	1	1	1	1
135°	1	1	1	1	1
145°	1	1	1	1	1
155°	1	1	1	1	1
165°	1	1	1	1	1
175°	0	1	0	1	0
180°	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

Flux		0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
	0°	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9
33	0.5°	352.6	352.8	352.7	352.6	353.3	352.6	352.7	352.8	352.6	352.8
96	1°	353.0	352.9	352.5	352.5	353.0	352.5	352.5	352.9	353.0	352.9
145	1.5°	352.8	352.6	352.7	352.6	353.1	352.6	352.7	352.6	352.8	352.6
176	2°	352.5	352.6	352.2	352.4	353.0	352.4	352.2	352.6	352.5	352.6
185	2.5°	352.6	352.4	352.7	352.3	352.3	352.3	352.7	352.4	352.6	352.4
169	3°	352.1	352.0	352.2	352.1	352.6	352.1	352.2	352.0	352.1	352.0
133	3.5°	352.5	352.3	352.2	351.8	352.2	351.8	352.2	352.3	352.5	352.3
84	4°	352.0	351.7	351.8	351.7	351.7	351.7	351.8	351.7	352.0	351.7
33	4.5°	351.9	351.5	351.6	351.6	351.9	351.6	351.6	351.5	351.9	351.5
11	5°	351.5	351.2	351.4	351.4	351.4	351.4	351.4	351.2	351.5	351.2
6	5.5°	350.7	350.7	350.9	350.8	351.1	350.8	350.9	350.7	350.7	350.7
1	6°	350.4	350.8	350.6	350.4	350.8	350.4	350.6	350.8	350.4	350.8
0	6.5°	350.4	350.1	350.1	350.2	350.5	350.2	350.1	350.1	350.4	350.1
1	7°	349.9	349.8	349.7	349.7	350.2	349.7	349.7	349.8	349.9	349.8
1	7.5°	349.5	349.5	349.2	349.2	349.1	349.2	349.2	349.5	349.5	349.5
1	8°	349.3	348.9	349.1	348.7	348.6	348.7	349.1	348.9	349.3	348.9
0	8.5°	348.2	348.7	348.3	348.2	348.4	348.2	348.3	348.7	348.2	348.7
0	9°	347.8	347.8	347.8	347.7	347.6	347.7	347.8	347.8	347.8	347.8
0	9.5°	347.3	347.6	347.3	347.2	347.1	347.2	347.3	347.6	347.3	347.6
	10°	346.9	347.0	346.5	346.5	346.4	346.5	346.5	347.0	346.9	347.0
	10.5°	346.2	346.3	345.9	345.8	346.4	345.8	345.9	346.3	346.2	346.3
	11°	345.6	345.4	345.4	345.1	345.7	345.1	345.4	345.4	345.6	345.4
	11.5°	344.7	344.7	344.6	344.7	344.5	344.7	344.6	344.7	344.7	344.7
	12°	344.2	343.7	344.0	343.8	344.1	343.8	344.0	343.7	344.2	343.7
	12.5°	343.3	343.4	343.3	343.2	343.4	343.2	343.3	343.4	343.3	343.4
	13°	342.6	342.2	342.2	342.5	342.6	342.5	342.2	342.2	342.6	342.2
	13.5°	341.9	341.8	341.6	341.8	342.2	341.8	341.6	341.8	341.9	341.8
	14°	341.0	341.0	340.8	340.7	341.2	340.7	340.8	341.0	341.0	341.0
	14.5°	340.0	340.3	340.3	340.0	340.1	340.0	340.3	340.3	340.0	340.3
	15°	339.2	339.2	338.8	338.8	338.9	338.8	338.8	339.2	339.2	339.2
	15.5°	338.0	338.2	338.2	338.1	338.5	338.1	338.2	338.2	338.0	338.2
	16°	337.2	337.1	337.4	336.9	337.5	336.9	337.4	337.1	337.2	337.1
	16.5°	336.7	336.2	336.1	336.2	336.4	336.2	336.1	336.2	336.7	336.2
	17°	335.5	335.6	335.1	335.2	335.4	335.2	335.1	335.6	335.5	335.6
	17.5°	334.2	334.4	334.2	334.4	334.0	334.4	334.2	334.4	334.2	334.4
	18°	333.4	333.5	332.8	333.2	333.5	333.2	332.8	333.5	333.4	333.5
	18.5°	332.5	332.5	332.1	331.7	332.0	331.7	332.1	332.5	332.5	332.5
	19°	331.0	331.0	330.9	330.8	331.2	330.8	330.9	331.0	331.0	331.0
	19.5°	329.8	330.0	329.7	329.9	329.9	329.9	329.7	330.0	329.8	330.0
	20°	328.8	328.7	328.6	328.6	328.8	328.6	328.6	328.7	328.8	328.7
	20.5°	327.4	327.7	327.5	327.5	327.7	327.5	327.5	327.7	327.4	327.7
	21°	326.3	326.3	325.9	326.1	326.4	326.1	325.9	326.3	326.3	326.3
	21.5°	324.8	325.1	325.1	324.9	325.2	324.9	325.1	325.1	324.8	325.1
	22°	324.0	323.7	323.3	323.7	323.8	323.7	323.3	323.7	324.0	323.7

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CANDELA DISTRIBUTION (continued):

225°	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
352.9	22.5°	322.4	322.3	321.8	322.2	322.4	322.2	321.8	322.3	322.3
352.7	23°	321.1	321.2	321.1	320.8	321.2	320.8	321.1	321.2	321.2
352.5	23.5°	319.7	319.8	319.7	319.8	319.9	319.8	319.7	319.8	319.8
352.7	24°	318.3	318.5	318.3	318.4	318.6	318.4	318.3	318.5	318.5
352.2	24.5°	316.8	316.9	316.7	316.9	317.0	316.9	316.7	316.9	316.9
352.7	25°	315.9	315.7	315.4	315.3	315.6	315.3	315.4	315.7	315.7
352.2	25.5°	314.5	314.4	313.8	313.9	314.3	313.9	313.8	314.4	314.4
352.2	26°	312.8	312.7	312.7	312.3	312.7	312.3	312.7	312.7	312.7
351.8	26.5°	311.4	311.1	311.0	311.0	311.0	311.0	311.1	311.4	311.1
351.6	27°	309.8	309.4	309.4	309.4	309.3	309.4	309.4	309.4	309.4
351.4	27.5°	307.9	308.1	307.8	307.7	308.1	307.7	307.8	308.1	307.9
350.9	28°	306.6	306.5	306.2	306.3	306.5	306.3	306.2	306.5	306.5
350.6	28.5°	304.6	304.9	304.6	304.4	304.5	304.4	304.6	304.9	304.9
350.1	29°	303.0	303.3	302.9	302.8	303.3	302.8	302.9	303.3	303.3
349.7	29.5°	301.4	301.7	301.4	301.2	301.6	301.2	301.4	301.7	301.7
349.2	30°	299.9	299.7	299.6	299.4	299.8	299.4	299.6	299.7	299.7
349.1	30.5°	298.4	298.2	297.9	297.9	298.1	297.9	297.9	298.2	298.2
348.3	31°	296.3	296.3	296.4	296.1	296.4	296.1	296.4	296.3	296.3
347.8	31.5°	294.7	294.4	294.7	294.6	294.7	294.6	294.7	294.4	294.4
347.3	32°	293.1	292.9	292.7	292.7	292.7	292.7	292.7	292.9	292.9
346.5	32.5°	291.4	291.1	291.0	291.2	291.2	291.2	291.0	291.1	291.1
345.9	33°	289.4	289.5	288.8	288.9	289.3	288.9	288.8	289.5	289.5
345.4	33.5°	287.6	287.3	287.3	287.3	287.2	287.3	287.3	287.3	287.3
344.6	34°	285.7	285.5	285.3	285.5	285.3	285.5	285.3	285.5	285.5
344.0	34.5°	284.0	283.7	283.5	283.5	283.7	283.5	283.5	283.7	283.7
343.3	35°	282.1	281.5	281.8	281.5	281.8	281.5	281.8	281.5	281.5
342.2	35.5°	280.1	279.9	279.8	279.5	279.5	279.5	279.8	279.9	279.9
341.6	36°	277.9	278.0	277.7	277.3	277.5	277.3	277.7	278.0	277.9
340.8	36.5°	275.9	276.0	276.0	275.4	275.7	275.4	276.0	276.0	275.9
340.3	37°	274.3	273.7	273.7	273.5	273.8	273.5	273.7	273.7	274.3
338.8	37.5°	272.3	271.9	271.7	271.4	272.0	271.4	271.7	271.9	272.3
338.2	38°	270.0	270.0	269.9	269.4	269.7	269.4	269.9	270.0	270.0
337.4	38.5°	267.8	267.7	267.9	267.6	267.5	267.6	267.9	267.7	267.8
336.1	39°	265.5	265.6	265.5	265.4	265.8	265.4	265.5	265.6	265.5
335.1	39.5°	263.6	263.6	263.6	263.1	263.6	263.1	263.6	263.6	263.6
334.2	40°	261.5	261.6	261.3	261.1	261.5	261.1	261.3	261.6	261.5
332.8	40.5°	259.6	259.4	259.1	259.0	259.4	259.0	259.1	259.4	259.6
332.1	41°	257.3	257.3	257.2	256.8	256.8	256.8	257.2	257.3	257.3
330.9	41.5°	255.3	255.2	254.8	254.6	255.0	254.6	254.8	255.2	255.3
329.7	42°	252.8	252.8	252.7	252.6	252.7	252.6	252.7	252.8	252.8
328.6	42.5°	250.5	250.8	250.2	250.3	250.7	250.3	250.2	250.8	250.5
327.5	43°	248.4	248.4	248.2	248.2	248.2	248.2	248.2	248.4	248.4
325.9	43.5°	245.9	246.0	245.8	245.7	246.0	245.7	245.8	246.0	245.9
325.1	44°	244.2	243.7	243.6	243.3	243.5	243.3	243.6	243.7	244.2
323.3	44.5°	241.8	241.5	241.2	241.2	241.1	241.2	241.2	241.5	241.8

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CANDELA DISTRIBUTION (continued):

225°		0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
321.8	45°	239.2	238.9	238.9	239.1	239.0	239.1	238.9	238.9	239.2	238.9
321.1	45.5°	237.0	236.8	236.8	236.5	236.7	236.5	236.8	236.8	237.0	236.8
319.7	46°	234.5	234.7	234.4	234.3	234.5	234.3	234.4	234.7	234.5	234.7
318.3	46.5°	232.1	232.2	231.9	231.7	231.9	231.7	231.9	232.2	232.1	232.2
316.7	47°	230.0	229.7	229.6	229.5	229.6	229.5	229.6	229.7	230.0	229.7
315.4	47.5°	227.5	227.3	227.1	226.9	226.9	226.9	227.1	227.3	227.5	227.3
313.8	48°	225.1	224.8	224.7	224.7	224.9	224.7	224.7	224.8	225.1	224.8
312.7	48.5°	222.6	222.5	222.3	222.0	222.1	222.0	222.3	222.5	222.6	222.5
311.0	49°	220.1	220.0	219.9	219.8	219.6	219.8	219.9	220.0	220.1	220.0
309.4	49.5°	218.0	217.5	217.5	217.2	217.2	217.2	217.5	217.5	218.0	217.5
307.8	50°	215.1	215.1	215.0	214.6	214.7	214.6	215.0	215.1	215.1	215.1
306.2	50.5°	212.8	212.2	212.2	212.0	212.3	212.0	212.2	212.2	212.8	212.2
304.6	51°	210.3	210.1	209.5	209.8	209.6	209.8	209.5	210.1	210.3	210.1
302.9	51.5°	207.5	207.6	207.4	207.2	207.3	207.2	207.4	207.6	207.5	207.6
301.4	52°	205.0	204.9	204.8	204.6	204.7	204.6	204.8	204.9	205.0	204.9
299.6	52.5°	202.5	202.3	202.1	201.9	201.9	201.9	202.1	202.3	202.5	202.3
297.9	53°	199.6	199.7	199.5	199.5	199.3	199.5	199.5	199.7	199.6	199.7
296.4	53.5°	197.2	197.3	197.1	196.6	196.7	196.6	197.1	197.3	197.2	197.3
294.7	54°	194.6	194.6	194.3	194.2	194.0	194.2	194.3	194.6	194.6	194.6
292.7	54.5°	191.8	192.0	191.6	191.6	191.3	191.6	191.6	192.0	191.8	192.0
291.0	55°	189.3	189.4	189.1	188.9	188.8	188.9	189.1	189.4	189.3	189.4
288.8	55.5°	186.8	186.6	186.5	186.3	186.3	186.3	186.5	186.6	186.8	186.6
287.3	56°	184.4	184.0	183.7	183.7	183.5	183.7	183.7	184.0	184.4	184.0
285.3	56.5°	181.2	181.2	181.0	180.8	181.0	180.8	181.0	181.2	181.2	181.2
283.5	57°	178.7	178.7	178.3	178.2	178.1	178.2	178.3	178.7	178.7	178.7
281.8	57.5°	176.0	175.9	175.6	175.4	175.6	175.4	175.6	175.9	176.0	175.9
279.8	58°	173.2	173.3	173.0	172.8	172.9	172.8	173.0	173.3	173.2	173.3
277.7	58.5°	170.5	170.4	170.1	170.1	170.1	170.1	170.1	170.4	170.5	170.4
276.0	59°	167.9	167.8	167.4	167.3	167.2	167.3	167.4	167.8	167.9	167.8
273.7	59.5°	165.2	165.2	164.7	164.5	164.6	164.5	164.7	165.2	165.2	165.2
271.7	60°	162.5	162.1	162.2	161.8	161.8	161.8	162.2	162.1	162.5	162.1
269.9	60.5°	159.6	159.4	159.2	159.1	158.9	159.1	159.2	159.4	159.6	159.4
267.9	61°	156.7	156.8	156.4	156.3	156.2	156.3	156.4	156.8	156.7	156.8
265.5	61.5°	154.2	153.9	153.6	153.5	153.4	153.5	153.6	153.9	154.2	153.9
263.6	62°	151.3	151.2	151.0	150.7	150.8	150.7	151.0	151.2	151.3	151.2
261.3	62.5°	148.5	148.3	148.0	147.9	147.9	147.9	148.0	148.3	148.5	148.3
259.1	63°	145.8	145.5	145.4	145.2	145.2	145.2	145.4	145.5	145.8	145.5
257.2	63.5°	142.8	142.6	142.6	142.3	142.3	142.3	142.6	142.6	142.8	142.6
254.8	64°	140.0	139.9	139.7	139.5	139.4	139.5	139.7	139.9	140.0	139.9
252.7	64.5°	137.4	137.2	136.9	136.7	136.7	136.7	136.9	137.2	137.4	137.2
250.2	65°	134.4	134.2	134.2	133.9	133.8	133.9	134.2	134.2	134.4	134.2
248.2	65.5°	131.8	131.4	131.3	131.1	131.0	131.1	131.3	131.4	131.8	131.4
245.8	66°	129.0	128.7	128.5	128.3	128.2	128.3	128.5	128.7	129.0	128.7
243.6	66.5°	126.0	125.8	125.6	125.5	125.4	125.5	125.6	125.8	126.0	125.8
241.2	67°	123.2	123.1	122.8	122.8	122.8	122.8	122.8	123.1	123.2	123.1

TEST NUMBER: P1057169

CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

225°		0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
238.9	67.5°	120.3	120.2	120.1	120.0	119.8	120.0	120.1	120.2	120.3	120.2
236.8	68°	117.7	117.5	117.3	117.2	117.2	117.2	117.3	117.5	117.7	117.5
234.4	68.5°	114.8	114.8	114.5	114.5	114.4	114.5	114.5	114.8	114.8	114.8
231.9	69°	112.0	111.9	111.7	111.7	111.7	111.7	111.7	111.9	112.0	111.9
229.6	69.5°	109.3	109.1	109.0	108.8	108.9	108.8	109.0	109.1	109.3	109.1
227.1	70°	106.5	106.4	106.2	106.2	106.2	106.2	106.2	106.4	106.5	106.4
224.7	70.5°	103.6	103.7	103.5	103.3	103.5	103.3	103.5	103.7	103.6	103.7
222.3	71°	101.0	101.1	100.8	100.7	100.6	100.7	100.8	101.1	101.0	101.1
219.9	71.5°	98.3	98.2	98.1	98.0	98.0	98.0	98.1	98.2	98.3	98.2
217.5	72°	95.5	95.5	95.4	95.3	95.3	95.3	95.4	95.5	95.5	95.5
215.0	72.5°	92.9	92.9	92.6	92.6	92.6	92.6	92.6	92.9	92.9	92.9
212.2	73°	90.1	90.1	90.0	89.9	89.8	89.9	90.0	90.1	90.1	90.1
209.5	73.5°	87.4	87.5	87.3	87.3	87.2	87.3	87.3	87.5	87.4	87.5
207.4	74°	84.8	84.8	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8
204.8	74.5°	82.3	82.2	82.1	82.1	82.1	82.1	82.1	82.2	82.3	82.2
202.1	75°	79.7	79.7	79.6	79.7	79.4	79.7	79.6	79.7	79.7	79.7
199.5	75.5°	77.1	77.0	77.0	77.1	77.0	77.1	77.0	77.0	77.1	77.0
197.1	76°	74.5	74.5	74.4	74.5	74.4	74.5	74.4	74.5	74.5	74.5
194.3	76.5°	72.0	71.9	71.9	72.0	71.9	72.0	71.9	71.9	72.0	71.9
191.6	77°	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
189.1	77.5°	67.1	67.0	67.0	67.1	67.0	67.1	67.0	67.0	67.1	67.0
186.5	78°	64.6	64.6	64.6	64.7	64.7	64.7	64.6	64.6	64.6	64.6
183.7	78.5°	62.2	62.2	62.2	62.3	62.3	62.3	62.2	62.2	62.2	62.2
181.0	79°	60.0	59.9	59.9	60.0	60.0	60.0	59.9	59.9	60.0	59.9
178.3	79.5°	57.6	57.6	57.5	57.7	57.7	57.7	57.5	57.6	57.6	57.6
175.6	80°	55.3	55.3	55.3	55.5	55.5	55.5	55.3	55.3	55.3	55.3
173.0	80.5°	53.2	53.1	53.1	53.3	53.4	53.3	53.1	53.1	53.2	53.1
170.1	81°	51.0	50.9	50.9	51.1	51.1	51.1	50.9	50.9	51.0	50.9
167.4	81.5°	48.9	48.7	48.8	49.0	49.1	49.0	48.8	48.7	48.9	48.7
164.7	82°	46.8	46.6	46.6	46.8	47.0	46.8	46.6	46.6	46.8	46.6
162.2	82.5°	44.7	44.5	44.5	44.8	45.0	44.8	44.5	44.5	44.7	44.5
159.2	83°	42.7	42.5	42.5	42.8	43.0	42.8	42.5	42.5	42.7	42.5
156.4	83.5°	40.7	40.5	40.6	40.8	41.1	40.8	40.6	40.5	40.7	40.5
153.6	84°	38.9	38.6	38.6	38.9	39.2	38.9	38.6	38.6	38.9	38.6
151.0	84.5°	36.9	36.7	36.7	37.0	37.4	37.0	36.7	36.7	36.9	36.7
148.0	85°	35.2	34.9	34.9	35.2	35.6	35.2	34.9	34.9	35.2	34.9
145.4	85.5°	33.4	33.1	33.0	33.4	33.8	33.4	33.0	33.1	33.4	33.1
142.6	86°	31.7	31.4	31.3	31.6	32.2	31.6	31.3	31.4	31.7	31.4
139.7	86.5°	30.1	29.7	29.6	29.9	30.9	29.9	29.6	29.7	30.1	29.7
136.9	87°	28.4	28.0	28.0	28.3	29.2	28.3	28.0	28.0	28.4	28.0
134.2	87.5°	26.8	26.4	26.3	26.7	27.6	26.7	26.3	26.4	26.8	26.4
131.3	88°	25.4	24.9	24.7	25.2	26.0	25.2	24.7	24.9	25.4	24.9
128.5	88.5°	23.9	23.4	23.1	23.7	24.5	23.7	23.1	23.4	23.9	23.4
125.6	89°	22.4	22.0	21.6	22.2	23.0	22.2	21.6	22.0	22.4	22.0
122.8	89.5°	21.0	20.6	20.2	20.9	21.7	20.9	20.2	20.6	21.0	20.6

TEST NUMBER: P1057169

CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

225°		0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
120.1	90°	19.7	19.3	18.9	19.6	20.4	19.6	18.9	19.3	19.7	19.3
117.3	90.5°	18.4	18.0	17.6	18.4	19.1	18.4	17.6	18.0	18.4	18.0
114.5	91°	17.2	16.8	16.4	17.2	17.9	17.2	16.4	16.8	17.2	16.8
111.7	91.5°	16.0	15.6	15.1	16.0	16.7	16.0	15.1	15.6	16.0	15.6
109.0	92°	14.8	14.5	14.0	14.9	15.5	14.9	14.0	14.5	14.8	14.5
106.2	92.5°	13.7	13.5	12.9	13.8	14.5	13.8	12.9	13.5	13.7	13.5
103.5	93°	12.7	12.5	11.9	12.8	13.5	12.8	11.9	12.5	12.7	12.5
100.8	93.5°	11.7	11.5	10.9	11.8	12.4	11.8	10.9	11.5	11.7	11.5
98.1	94°	10.7	10.5	10.0	10.9	11.5	10.9	10.0	10.5	10.7	10.5
95.4	94.5°	9.8	9.6	9.2	10.1	10.5	10.1	9.2	9.6	9.8	9.6
92.6	95°	9.0	8.8	8.3	9.2	9.6	9.2	8.3	8.8	9.0	8.8
90.0	95.5°	8.2	8.0	7.5	8.4	8.8	8.4	7.5	8.0	8.2	8.0
87.3	96°	7.4	7.3	6.8	7.7	8.1	7.7	6.8	7.3	7.4	7.3
84.7	96.5°	6.6	6.6	6.2	7.0	7.3	7.0	6.2	6.6	6.6	6.6
82.1	97°	6.0	5.9	5.6	6.3	6.7	6.3	5.6	5.9	6.0	5.9
79.6	97.5°	5.4	5.3	5.0	5.7	6.0	5.7	5.0	5.3	5.4	5.3
77.0	98°	4.8	4.7	4.5	5.2	5.4	5.2	4.5	4.7	4.8	4.7
74.4	98.5°	4.2	4.2	4.1	4.6	4.9	4.6	4.1	4.2	4.2	4.2
71.9	99°	3.8	3.7	3.6	4.1	4.3	4.1	3.6	3.7	3.8	3.7
69.5	99.5°	3.3	3.2	3.2	3.6	3.9	3.6	3.2	3.2	3.3	3.2
67.0	100°	2.9	2.8	2.9	3.2	3.4	3.2	2.9	2.8	2.9	2.8
64.6	100.5°	2.5	2.5	2.5	2.8	3.0	2.8	2.5	2.5	2.5	2.5
62.2	101°	2.2	2.1	2.2	2.5	2.7	2.5	2.2	2.1	2.2	2.1
59.9	101.5°	1.9	1.8	2.0	2.2	2.3	2.2	2.0	1.8	1.9	1.8
57.5	102°	1.6	1.5	1.7	1.9	2.0	1.9	1.7	1.5	1.6	1.5
55.3	102.5°	1.3	1.3	1.5	1.6	1.8	1.6	1.5	1.3	1.3	1.3
53.1	103°	1.1	1.1	1.3	1.4	1.5	1.4	1.3	1.1	1.1	1.1
50.9	103.5°	0.9	0.9	1.1	1.2	1.3	1.2	1.1	0.9	0.9	0.9
48.8	104°	0.8	0.8	0.9	1.0	1.1	1.0	0.9	0.8	0.8	0.8
46.6	104.5°	0.6	0.6	0.8	0.9	0.9	0.9	0.8	0.6	0.6	0.6
44.5	105°	0.5	0.5	0.7	0.8	0.8	0.8	0.7	0.5	0.5	0.5
42.5	105.5°	0.4	0.5	0.6	0.7	0.7	0.7	0.6	0.5	0.4	0.5
40.6	106°	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.4
38.6	106.5°	0.3	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.3	0.3
36.7	107°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
34.9	107.5°	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
33.0	108°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31.3	108.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29.6	109°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3
28.0	109.5°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3
26.3	110°	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.3
24.7	110.5°	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.3
23.1	111°	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.3
21.6	111.5°	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.3
20.2	112°	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.3

TEST NUMBER: P1057169

CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

225°		0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
18.9	112.5°	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.3
17.6	113°	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.3
16.4	113.5°	0.4	0.3	0.4	0.4	0.5	0.4	0.4	0.3	0.4	0.3
15.1	114°	0.5	0.3	0.4	0.4	0.5	0.4	0.4	0.3	0.5	0.3
14.0	114.5°	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4
12.9	115°	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.4
11.9	115.5°	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.4
10.9	116°	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.4
10.0	116.5°	0.5	0.4	0.4	0.5	0.6	0.5	0.4	0.4	0.5	0.4
9.2	117°	0.5	0.4	0.4	0.5	0.6	0.5	0.4	0.4	0.5	0.4
8.3	117.5°	0.5	0.4	0.4	0.5	0.6	0.5	0.4	0.4	0.5	0.4
7.5	118°	0.5	0.4	0.4	0.5	0.6	0.5	0.4	0.4	0.5	0.4
6.8	118.5°	0.5	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.5	0.4
6.2	119°	0.6	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.6	0.4
5.6	119.5°	0.6	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.6	0.4
5.0	120°	0.6	0.4	0.5	0.6	0.7	0.6	0.5	0.4	0.6	0.4
4.5	120.5°	0.6	0.4	0.5	0.6	0.7	0.6	0.5	0.4	0.6	0.4
4.1	121°	0.6	0.4	0.5	0.6	0.7	0.6	0.5	0.4	0.6	0.4
3.6	121.5°	0.6	0.4	0.5	0.6	0.7	0.6	0.5	0.4	0.6	0.4
3.2	122°	0.6	0.4	0.5	0.6	0.7	0.6	0.5	0.4	0.6	0.4
2.9	122.5°	0.6	0.4	0.5	0.6	0.7	0.6	0.5	0.4	0.6	0.4
2.5	123°	0.6	0.5	0.5	0.6	0.8	0.6	0.5	0.5	0.6	0.5
2.2	123.5°	0.6	0.5	0.5	0.7	0.8	0.7	0.5	0.5	0.6	0.5
2.0	124°	0.6	0.5	0.5	0.7	0.8	0.7	0.5	0.5	0.6	0.5
1.7	124.5°	0.6	0.5	0.5	0.7	0.8	0.7	0.5	0.5	0.6	0.5
1.5	125°	0.6	0.5	0.5	0.7	0.8	0.7	0.5	0.5	0.6	0.5
1.3	125.5°	0.6	0.5	0.5	0.7	0.8	0.7	0.5	0.5	0.6	0.5
1.1	126°	0.6	0.5	0.5	0.7	0.8	0.7	0.5	0.5	0.6	0.5
0.9	126.5°	0.6	0.5	0.5	0.7	0.8	0.7	0.5	0.5	0.6	0.5
0.8	127°	0.6	0.5	0.5	0.7	0.8	0.7	0.5	0.5	0.6	0.5
0.7	127.5°	0.7	0.5	0.5	0.7	0.8	0.7	0.5	0.5	0.7	0.5
0.6	128°	0.7	0.5	0.6	0.7	0.8	0.7	0.6	0.5	0.7	0.5
0.5	128.5°	0.7	0.5	0.6	0.7	0.8	0.7	0.6	0.5	0.7	0.5
0.4	129°	0.7	0.5	0.6	0.7	0.8	0.7	0.6	0.5	0.7	0.5
0.4	129.5°	0.6	0.5	0.7	0.8	0.8	0.8	0.7	0.5	0.6	0.5
0.3	130°	0.6	0.6	0.7	0.8	0.9	0.8	0.7	0.6	0.6	0.6
0.3	130.5°	0.6	0.6	0.7	0.8	0.9	0.8	0.7	0.6	0.6	0.6
0.3	131°	0.6	0.6	0.7	0.8	0.9	0.8	0.7	0.6	0.6	0.6
0.3	131.5°	0.7	0.6	0.6	0.9	0.8	0.9	0.6	0.6	0.7	0.6
0.3	132°	0.7	0.6	0.6	0.9	0.8	0.9	0.6	0.6	0.7	0.6
0.3	132.5°	0.8	0.6	0.6	0.8	0.8	0.8	0.6	0.6	0.8	0.6
0.3	133°	0.8	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.8	0.6
0.3	133.5°	0.8	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.8	0.6
0.3	134°	0.8	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.8	0.6
0.3	134.5°	0.8	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.8	0.6

TEST NUMBER: P1057169

CATALOG NUMBER: HLCMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

225°		0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
0.4	135°	0.8	0.6	0.7	0.9	0.9	0.9	0.7	0.6	0.8	0.6
0.4	135.5°	0.8	0.6	0.7	0.9	0.9	0.9	0.7	0.6	0.8	0.6
0.4	136°	0.8	0.6	0.7	0.9	0.9	0.9	0.7	0.6	0.8	0.6
0.4	136.5°	0.9	0.6	0.7	0.9	0.9	0.9	0.7	0.6	0.9	0.6
0.4	137°	0.9	0.6	0.7	0.9	0.9	0.9	0.7	0.6	0.9	0.6
0.4	137.5°	0.9	0.6	0.7	1.0	0.9	1.0	0.7	0.6	0.9	0.6
0.4	138°	0.9	0.7	0.7	1.0	0.9	1.0	0.7	0.7	0.9	0.7
0.4	138.5°	0.9	0.7	0.7	1.0	0.9	1.0	0.7	0.7	0.9	0.7
0.4	139°	0.9	0.7	0.7	1.0	0.9	1.0	0.7	0.7	0.9	0.7
0.4	139.5°	1.0	0.7	0.7	1.0	1.0	1.0	0.7	0.7	1.0	0.7
0.4	140°	1.0	0.7	0.7	1.0	1.0	1.0	0.7	0.7	1.0	0.7
0.4	140.5°	1.0	0.7	0.8	1.1	1.0	1.1	0.8	0.7	1.0	0.7
0.5	141°	1.0	0.7	0.8	1.1	1.0	1.1	0.8	0.7	1.0	0.7
0.5	141.5°	1.0	0.7	0.8	1.1	1.0	1.1	0.8	0.7	1.0	0.7
0.5	142°	1.0	0.7	0.8	1.1	1.0	1.1	0.8	0.7	1.0	0.7
0.5	142.5°	1.0	0.7	0.8	1.1	1.0	1.1	0.8	0.7	1.0	0.7
0.5	143°	1.0	0.7	0.8	1.2	1.0	1.2	0.8	0.7	1.0	0.7
0.5	143.5°	1.0	0.7	0.8	1.2	1.1	1.2	0.8	0.7	1.0	0.7
0.5	144°	1.0	0.7	0.8	1.2	1.1	1.2	0.8	0.7	1.0	0.7
0.5	144.5°	1.0	0.8	0.8	1.2	1.1	1.2	0.8	0.8	1.0	0.8
0.5	145°	1.0	0.8	0.8	1.2	1.1	1.2	0.8	0.8	1.0	0.8
0.5	145.5°	1.1	0.8	0.8	1.2	1.1	1.2	0.8	0.8	1.1	0.8
0.5	146°	1.1	0.8	0.9	1.2	1.1	1.2	0.9	0.8	1.1	0.8
0.5	146.5°	1.1	0.8	0.9	1.2	1.1	1.2	0.9	0.8	1.1	0.8
0.5	147°	1.1	0.8	0.9	1.2	1.1	1.2	0.9	0.8	1.1	0.8
0.5	147.5°	1.1	0.8	0.9	1.3	1.1	1.3	0.9	0.8	1.1	0.8
0.5	148°	1.1	0.8	0.9	1.3	1.1	1.3	0.9	0.8	1.1	0.8
0.5	148.5°	1.1	0.8	0.9	1.3	1.2	1.3	0.9	0.8	1.1	0.8
0.5	149°	1.1	0.9	0.9	1.3	1.2	1.3	0.9	0.9	1.1	0.9
0.5	149.5°	1.2	0.9	0.9	1.4	1.2	1.4	0.9	0.9	1.2	0.9
0.5	150°	1.2	0.9	0.9	1.4	1.2	1.4	0.9	0.9	1.2	0.9
0.6	150.5°	1.1	0.9	0.9	1.4	1.2	1.4	0.9	0.9	1.1	0.9
0.6	151°	1.1	0.9	0.9	1.5	1.2	1.5	0.9	0.9	1.1	0.9
0.6	151.5°	1.1	0.9	0.9	1.5	1.3	1.5	0.9	0.9	1.1	0.9
0.7	152°	1.1	0.9	0.9	1.5	1.3	1.5	0.9	0.9	1.1	0.9
0.7	152.5°	1.1	0.9	0.9	1.4	1.4	1.4	0.9	0.9	1.1	0.9
0.7	153°	1.0	0.9	0.9	1.4	1.4	1.4	0.9	0.9	1.0	0.9
0.7	153.5°	1.1	0.9	1.0	1.4	1.4	1.4	1.0	0.9	1.1	0.9
0.6	154°	1.1	0.9	1.0	1.5	1.4	1.5	1.0	0.9	1.1	0.9
0.6	154.5°	1.1	0.9	1.0	1.5	1.4	1.5	1.0	0.9	1.1	0.9
0.6	155°	1.1	1.0	1.0	1.6	1.4	1.6	1.0	1.0	1.1	1.0
0.7	155.5°	1.1	1.0	1.0	1.7	1.3	1.7	1.0	1.0	1.1	1.0
0.7	156°	1.1	1.0	1.1	1.7	1.3	1.7	1.1	1.0	1.1	1.0
0.7	156.5°	1.1	1.0	1.1	1.6	1.3	1.6	1.1	1.0	1.1	1.0
0.7	157°	1.1	1.0	1.0	1.5	1.3	1.5	1.0	1.0	1.1	1.0

TEST NUMBER: P1057169

CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

225°		0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
0.7	157.5°	1.0	0.9	1.0	1.5	1.3	1.5	1.0	0.9	1.0	0.9
0.7	158°	1.0	0.9	1.0	1.5	1.4	1.5	1.0	0.9	1.0	0.9
0.7	158.5°	1.0	0.9	1.1	1.5	1.4	1.5	1.1	0.9	1.0	0.9
0.7	159°	1.0	0.9	1.1	1.5	1.4	1.5	1.1	0.9	1.0	0.9
0.7	159.5°	1.0	0.9	1.1	1.5	1.4	1.5	1.1	0.9	1.0	0.9
0.7	160°	1.0	0.9	1.1	1.5	1.4	1.5	1.1	0.9	1.0	0.9
0.7	160.5°	1.0	0.9	1.1	1.5	1.4	1.5	1.1	0.9	1.0	0.9
0.7	161°	1.0	0.8	1.0	1.4	1.4	1.4	1.0	0.8	1.0	0.8
0.7	161.5°	1.0	0.8	1.0	1.4	1.4	1.4	1.0	0.8	1.0	0.8
0.7	162°	1.0	0.8	1.0	1.3	1.3	1.3	1.0	0.8	1.0	0.8
0.7	162.5°	0.9	0.9	1.0	1.3	1.2	1.3	1.0	0.9	0.9	0.9
0.8	163°	0.9	0.9	0.9	1.3	1.2	1.3	0.9	0.9	0.9	0.9
0.8	163.5°	0.9	0.9	0.9	1.3	1.2	1.3	0.9	0.9	0.9	0.9
0.8	164°	0.9	0.9	0.9	1.3	1.1	1.3	0.9	0.9	0.9	0.9
0.8	164.5°	0.9	0.8	0.9	1.3	1.1	1.3	0.9	0.8	0.9	0.8
0.8	165°	0.8	0.8	0.9	1.2	1.1	1.2	0.9	0.8	0.8	0.8
0.8	165.5°	0.8	0.8	0.9	1.2	1.1	1.2	0.9	0.8	0.8	0.8
0.8	166°	0.7	0.8	0.9	1.1	1.1	1.1	0.9	0.8	0.7	0.8
0.8	166.5°	0.7	0.8	0.9	1.0	1.1	1.0	0.9	0.8	0.7	0.8
0.8	167°	0.7	0.8	0.8	0.9	1.1	0.9	0.8	0.8	0.7	0.8
0.8	167.5°	0.7	0.8	0.8	0.9	1.1	0.9	0.8	0.8	0.7	0.8
0.8	168°	0.7	0.8	0.7	0.8	0.9	0.8	0.7	0.8	0.7	0.8
0.9	168.5°	0.7	0.8	0.7	0.8	0.8	0.8	0.7	0.8	0.7	0.8
0.9	169°	0.7	0.8	0.7	0.8	0.8	0.8	0.7	0.8	0.7	0.8
0.9	169.5°	0.7	0.9	0.7	0.7	0.8	0.7	0.7	0.9	0.7	0.9
0.9	170°	0.7	0.9	0.7	0.7	0.7	0.7	0.7	0.9	0.7	0.9
0.9	170.5°	0.9	0.9	0.7	0.6	0.7	0.6	0.7	0.9	0.9	0.9
0.9	171°	1.0	0.9	0.7	0.6	0.6	0.6	0.7	0.9	1.0	0.9
0.9	171.5°	0.9	0.8	0.7	0.6	0.6	0.6	0.7	0.8	0.9	0.8
0.9	172°	0.9	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.9	0.7
0.9	172.5°	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7
0.9	173°	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.6
0.9	173.5°	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.6
0.9	174°	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.5
0.9	174.5°	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.4	0.3	0.4
0.9	175°	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3
0.9	175.5°	0.3	0.3	0.4	0.6	0.5	0.6	0.4	0.3	0.3	0.3
1.0	176°	0.3	0.3	0.3	0.5	0.5	0.5	0.3	0.3	0.3	0.3
1.0	176.5°	0.3	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.3	0.3
1.0	177°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1.0	177.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1.0	178°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1.1	178.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1.1	179°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1.0	179.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1057169
 CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

225°		0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°
1.0	180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1.0											
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TEST NUMBER: P1057169

CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

225°		247.5°	270°	292.5°	315°	337.5°	360°
0.3	0°	352.9	352.9	352.9	352.9	352.9	352.9
	0.5°	352.6	353.3	352.6	352.7	352.8	352.6
	1°	352.5	353.0	352.5	352.5	352.9	353.0
	1.5°	352.6	353.1	352.6	352.7	352.6	352.8
	2°	352.4	353.0	352.4	352.2	352.6	352.5
	2.5°	352.3	352.3	352.3	352.7	352.4	352.6
	3°	352.1	352.6	352.1	352.2	352.0	352.1
	3.5°	351.8	352.2	351.8	352.2	352.3	352.5
	4°	351.7	351.7	351.7	351.8	351.7	352.0
	4.5°	351.6	351.9	351.6	351.6	351.5	351.9
	5°	351.4	351.4	351.4	351.4	351.2	351.5
	5.5°	350.8	351.1	350.8	350.9	350.7	350.7
	6°	350.4	350.8	350.4	350.6	350.8	350.4
	6.5°	350.2	350.5	350.2	350.1	350.1	350.4
	7°	349.7	350.2	349.7	349.7	349.8	349.9
	7.5°	349.2	349.1	349.2	349.2	349.5	349.5
	8°	348.7	348.6	348.7	349.1	348.9	349.3
	8.5°	348.2	348.4	348.2	348.3	348.7	348.2
	9°	347.7	347.6	347.7	347.8	347.8	347.8
	9.5°	347.2	347.1	347.2	347.3	347.6	347.3
	10°	346.5	346.4	346.5	346.5	347.0	346.9
	10.5°	345.8	346.4	345.8	345.9	346.3	346.2
	11°	345.1	345.7	345.1	345.4	345.4	345.6
	11.5°	344.7	344.5	344.7	344.6	344.7	344.7
	12°	343.8	344.1	343.8	344.0	343.7	344.2
	12.5°	343.2	343.4	343.2	343.3	343.4	343.3
	13°	342.5	342.6	342.5	342.2	342.2	342.6
	13.5°	341.8	342.2	341.8	341.6	341.8	341.9
	14°	340.7	341.2	340.7	340.8	341.0	341.0
	14.5°	340.0	340.1	340.0	340.3	340.3	340.0
	15°	338.8	338.9	338.8	338.8	339.2	339.2
	15.5°	338.1	338.5	338.1	338.2	338.2	338.0
	16°	336.9	337.5	336.9	337.4	337.1	337.2
	16.5°	336.2	336.4	336.2	336.1	336.2	336.7
	17°	335.2	335.4	335.2	335.1	335.6	335.5
	17.5°	334.4	334.0	334.4	334.2	334.4	334.2
	18°	333.2	333.5	333.2	332.8	333.5	333.4
	18.5°	331.7	332.0	331.7	332.1	332.5	332.5
	19°	330.8	331.2	330.8	330.9	331.0	331.0
	19.5°	329.9	329.9	329.9	329.7	330.0	329.8
	20°	328.6	328.8	328.6	328.6	328.7	328.8
	20.5°	327.5	327.7	327.5	327.5	327.7	327.4
	21°	326.1	326.4	326.1	325.9	326.3	326.3
	21.5°	324.9	325.2	324.9	325.1	325.1	324.8
	22°	323.7	323.8	323.7	323.3	323.7	324.0

TEST NUMBER: P1057169
 CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	322.2	322.4	322.2	321.8	322.3	322.4
23°	320.8	321.2	320.8	321.1	321.2	321.1
23.5°	319.8	319.9	319.8	319.7	319.8	319.7
24°	318.4	318.6	318.4	318.3	318.5	318.3
24.5°	316.9	317.0	316.9	316.7	316.9	316.8
25°	315.3	315.6	315.3	315.4	315.7	315.9
25.5°	313.9	314.3	313.9	313.8	314.4	314.5
26°	312.3	312.7	312.3	312.7	312.7	312.8
26.5°	311.0	311.0	311.0	311.0	311.1	311.4
27°	309.4	309.3	309.4	309.4	309.4	309.8
27.5°	307.7	308.1	307.7	307.8	308.1	307.9
28°	306.3	306.5	306.3	306.2	306.5	306.6
28.5°	304.4	304.5	304.4	304.6	304.9	304.6
29°	302.8	303.3	302.8	302.9	303.3	303.0
29.5°	301.2	301.6	301.2	301.4	301.7	301.4
30°	299.4	299.8	299.4	299.6	299.7	299.9
30.5°	297.9	298.1	297.9	297.9	298.2	298.4
31°	296.1	296.4	296.1	296.4	296.3	296.3
31.5°	294.6	294.7	294.6	294.7	294.4	294.7
32°	292.7	292.7	292.7	292.7	292.9	293.1
32.5°	291.2	291.2	291.2	291.0	291.1	291.4
33°	288.9	289.3	288.9	288.8	289.5	289.4
33.5°	287.3	287.2	287.3	287.3	287.3	287.6
34°	285.5	285.3	285.5	285.3	285.5	285.7
34.5°	283.5	283.7	283.5	283.5	283.7	284.0
35°	281.5	281.8	281.5	281.8	281.5	282.1
35.5°	279.5	279.5	279.5	279.8	279.9	280.1
36°	277.3	277.5	277.3	277.7	278.0	277.9
36.5°	275.4	275.7	275.4	276.0	276.0	275.9
37°	273.5	273.8	273.5	273.7	273.7	274.3
37.5°	271.4	272.0	271.4	271.7	271.9	272.3
38°	269.4	269.7	269.4	269.9	270.0	270.0
38.5°	267.6	267.5	267.6	267.9	267.7	267.8
39°	265.4	265.8	265.4	265.5	265.6	265.5
39.5°	263.1	263.6	263.1	263.6	263.6	263.6
40°	261.1	261.5	261.1	261.3	261.6	261.5
40.5°	259.0	259.4	259.0	259.1	259.4	259.6
41°	256.8	256.8	256.8	257.2	257.3	257.3
41.5°	254.6	255.0	254.6	254.8	255.2	255.3
42°	252.6	252.7	252.6	252.7	252.8	252.8
42.5°	250.3	250.7	250.3	250.2	250.8	250.5
43°	248.2	248.2	248.2	248.2	248.4	248.4
43.5°	245.7	246.0	245.7	245.8	246.0	245.9
44°	243.3	243.5	243.3	243.6	243.7	244.2
44.5°	241.2	241.1	241.2	241.2	241.5	241.8

TEST NUMBER: P1057169
 CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	239.1	239.0	239.1	238.9	238.9	239.2
45.5°	236.5	236.7	236.5	236.8	236.8	237.0
46°	234.3	234.5	234.3	234.4	234.7	234.5
46.5°	231.7	231.9	231.7	231.9	232.2	232.1
47°	229.5	229.6	229.5	229.6	229.7	230.0
47.5°	226.9	226.9	226.9	227.1	227.3	227.5
48°	224.7	224.9	224.7	224.7	224.8	225.1
48.5°	222.0	222.1	222.0	222.3	222.5	222.6
49°	219.8	219.6	219.8	219.9	220.0	220.1
49.5°	217.2	217.2	217.2	217.5	217.5	218.0
50°	214.6	214.7	214.6	215.0	215.1	215.1
50.5°	212.0	212.3	212.0	212.2	212.2	212.8
51°	209.8	209.6	209.8	209.5	210.1	210.3
51.5°	207.2	207.3	207.2	207.4	207.6	207.5
52°	204.6	204.7	204.6	204.8	204.9	205.0
52.5°	201.9	201.9	201.9	202.1	202.3	202.5
53°	199.5	199.3	199.5	199.5	199.7	199.6
53.5°	196.6	196.7	196.6	197.1	197.3	197.2
54°	194.2	194.0	194.2	194.3	194.6	194.6
54.5°	191.6	191.3	191.6	191.6	192.0	191.8
55°	188.9	188.8	188.9	189.1	189.4	189.3
55.5°	186.3	186.3	186.3	186.5	186.6	186.8
56°	183.7	183.5	183.7	183.7	184.0	184.4
56.5°	180.8	181.0	180.8	181.0	181.2	181.2
57°	178.2	178.1	178.2	178.3	178.7	178.7
57.5°	175.4	175.6	175.4	175.6	175.9	176.0
58°	172.8	172.9	172.8	173.0	173.3	173.2
58.5°	170.1	170.1	170.1	170.1	170.4	170.5
59°	167.3	167.2	167.3	167.4	167.8	167.9
59.5°	164.5	164.6	164.5	164.7	165.2	165.2
60°	161.8	161.8	161.8	162.2	162.1	162.5
60.5°	159.1	158.9	159.1	159.2	159.4	159.6
61°	156.3	156.2	156.3	156.4	156.8	156.7
61.5°	153.5	153.4	153.5	153.6	153.9	154.2
62°	150.7	150.8	150.7	151.0	151.2	151.3
62.5°	147.9	147.9	147.9	148.0	148.3	148.5
63°	145.2	145.2	145.2	145.4	145.5	145.8
63.5°	142.3	142.3	142.3	142.6	142.6	142.8
64°	139.5	139.4	139.5	139.7	139.9	140.0
64.5°	136.7	136.7	136.7	136.9	137.2	137.4
65°	133.9	133.8	133.9	134.2	134.2	134.4
65.5°	131.1	131.0	131.1	131.3	131.4	131.8
66°	128.3	128.2	128.3	128.5	128.7	129.0
66.5°	125.5	125.4	125.5	125.6	125.8	126.0
67°	122.8	122.8	122.8	122.8	123.1	123.2

TEST NUMBER: P1057169

CATALOG NUMBER: HLCMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	120.0	119.8	120.0	120.1	120.2	120.3
68°	117.2	117.2	117.2	117.3	117.5	117.7
68.5°	114.5	114.4	114.5	114.5	114.8	114.8
69°	111.7	111.7	111.7	111.7	111.9	112.0
69.5°	108.8	108.9	108.8	109.0	109.1	109.3
70°	106.2	106.2	106.2	106.2	106.4	106.5
70.5°	103.3	103.5	103.3	103.5	103.7	103.6
71°	100.7	100.6	100.7	100.8	101.1	101.0
71.5°	98.0	98.0	98.0	98.1	98.2	98.3
72°	95.3	95.3	95.3	95.4	95.5	95.5
72.5°	92.6	92.6	92.6	92.6	92.9	92.9
73°	89.9	89.8	89.9	90.0	90.1	90.1
73.5°	87.3	87.2	87.3	87.3	87.5	87.4
74°	84.7	84.7	84.7	84.7	84.8	84.8
74.5°	82.1	82.1	82.1	82.1	82.2	82.3
75°	79.7	79.4	79.7	79.6	79.7	79.7
75.5°	77.1	77.0	77.1	77.0	77.0	77.1
76°	74.5	74.4	74.5	74.4	74.5	74.5
76.5°	72.0	71.9	72.0	71.9	71.9	72.0
77°	69.5	69.5	69.5	69.5	69.5	69.5
77.5°	67.1	67.0	67.1	67.0	67.0	67.1
78°	64.7	64.7	64.7	64.6	64.6	64.6
78.5°	62.3	62.3	62.3	62.2	62.2	62.2
79°	60.0	60.0	60.0	59.9	59.9	60.0
79.5°	57.7	57.7	57.7	57.5	57.6	57.6
80°	55.5	55.5	55.5	55.3	55.3	55.3
80.5°	53.3	53.4	53.3	53.1	53.1	53.2
81°	51.1	51.1	51.1	50.9	50.9	51.0
81.5°	49.0	49.1	49.0	48.8	48.7	48.9
82°	46.8	47.0	46.8	46.6	46.6	46.8
82.5°	44.8	45.0	44.8	44.5	44.5	44.7
83°	42.8	43.0	42.8	42.5	42.5	42.7
83.5°	40.8	41.1	40.8	40.6	40.5	40.7
84°	38.9	39.2	38.9	38.6	38.6	38.9
84.5°	37.0	37.4	37.0	36.7	36.7	36.9
85°	35.2	35.6	35.2	34.9	34.9	35.2
85.5°	33.4	33.8	33.4	33.0	33.1	33.4
86°	31.6	32.2	31.6	31.3	31.4	31.7
86.5°	29.9	30.9	29.9	29.6	29.7	30.1
87°	28.3	29.2	28.3	28.0	28.0	28.4
87.5°	26.7	27.6	26.7	26.3	26.4	26.8
88°	25.2	26.0	25.2	24.7	24.9	25.4
88.5°	23.7	24.5	23.7	23.1	23.4	23.9
89°	22.2	23.0	22.2	21.6	22.0	22.4
89.5°	20.9	21.7	20.9	20.2	20.6	21.0

TEST NUMBER: P1057169

CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	19.6	20.4	19.6	18.9	19.3	19.7
90.5°	18.4	19.1	18.4	17.6	18.0	18.4
91°	17.2	17.9	17.2	16.4	16.8	17.2
91.5°	16.0	16.7	16.0	15.1	15.6	16.0
92°	14.9	15.5	14.9	14.0	14.5	14.8
92.5°	13.8	14.5	13.8	12.9	13.5	13.7
93°	12.8	13.5	12.8	11.9	12.5	12.7
93.5°	11.8	12.4	11.8	10.9	11.5	11.7
94°	10.9	11.5	10.9	10.0	10.5	10.7
94.5°	10.1	10.5	10.1	9.2	9.6	9.8
95°	9.2	9.6	9.2	8.3	8.8	9.0
95.5°	8.4	8.8	8.4	7.5	8.0	8.2
96°	7.7	8.1	7.7	6.8	7.3	7.4
96.5°	7.0	7.3	7.0	6.2	6.6	6.6
97°	6.3	6.7	6.3	5.6	5.9	6.0
97.5°	5.7	6.0	5.7	5.0	5.3	5.4
98°	5.2	5.4	5.2	4.5	4.7	4.8
98.5°	4.6	4.9	4.6	4.1	4.2	4.2
99°	4.1	4.3	4.1	3.6	3.7	3.8
99.5°	3.6	3.9	3.6	3.2	3.2	3.3
100°	3.2	3.4	3.2	2.9	2.8	2.9
100.5°	2.8	3.0	2.8	2.5	2.5	2.5
101°	2.5	2.7	2.5	2.2	2.1	2.2
101.5°	2.2	2.3	2.2	2.0	1.8	1.9
102°	1.9	2.0	1.9	1.7	1.5	1.6
102.5°	1.6	1.8	1.6	1.5	1.3	1.3
103°	1.4	1.5	1.4	1.3	1.1	1.1
103.5°	1.2	1.3	1.2	1.1	0.9	0.9
104°	1.0	1.1	1.0	0.9	0.8	0.8
104.5°	0.9	0.9	0.9	0.8	0.6	0.6
105°	0.8	0.8	0.8	0.7	0.5	0.5
105.5°	0.7	0.7	0.7	0.6	0.5	0.4
106°	0.6	0.6	0.6	0.5	0.4	0.3
106.5°	0.5	0.5	0.5	0.4	0.3	0.3
107°	0.4	0.4	0.4	0.4	0.3	0.3
107.5°	0.4	0.4	0.4	0.3	0.3	0.3
108°	0.3	0.3	0.3	0.3	0.3	0.3
108.5°	0.3	0.3	0.3	0.3	0.3	0.3
109°	0.3	0.3	0.3	0.3	0.3	0.4
109.5°	0.3	0.3	0.3	0.3	0.3	0.4
110°	0.3	0.4	0.3	0.3	0.3	0.4
110.5°	0.3	0.4	0.3	0.3	0.3	0.4
111°	0.3	0.4	0.3	0.3	0.3	0.4
111.5°	0.4	0.4	0.4	0.3	0.3	0.4
112°	0.4	0.4	0.4	0.3	0.3	0.4

TEST NUMBER: P1057169

CATALOG NUMBER: HLCMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.4	0.4	0.4	0.4	0.3	0.4
113°	0.4	0.4	0.4	0.4	0.3	0.4
113.5°	0.4	0.5	0.4	0.4	0.3	0.4
114°	0.4	0.5	0.4	0.4	0.3	0.5
114.5°	0.4	0.5	0.4	0.4	0.4	0.5
115°	0.5	0.5	0.5	0.4	0.4	0.5
115.5°	0.5	0.5	0.5	0.4	0.4	0.5
116°	0.5	0.5	0.5	0.4	0.4	0.5
116.5°	0.5	0.6	0.5	0.4	0.4	0.5
117°	0.5	0.6	0.5	0.4	0.4	0.5
117.5°	0.5	0.6	0.5	0.4	0.4	0.5
118°	0.5	0.6	0.5	0.4	0.4	0.5
118.5°	0.5	0.6	0.5	0.5	0.4	0.5
119°	0.6	0.6	0.6	0.5	0.4	0.6
119.5°	0.6	0.6	0.6	0.5	0.4	0.6
120°	0.6	0.7	0.6	0.5	0.4	0.6
120.5°	0.6	0.7	0.6	0.5	0.4	0.6
121°	0.6	0.7	0.6	0.5	0.4	0.6
121.5°	0.6	0.7	0.6	0.5	0.4	0.6
122°	0.6	0.7	0.6	0.5	0.4	0.6
122.5°	0.6	0.7	0.6	0.5	0.4	0.6
123°	0.6	0.8	0.6	0.5	0.5	0.6
123.5°	0.7	0.8	0.7	0.5	0.5	0.6
124°	0.7	0.8	0.7	0.5	0.5	0.6
124.5°	0.7	0.8	0.7	0.5	0.5	0.6
125°	0.7	0.8	0.7	0.5	0.5	0.6
125.5°	0.7	0.8	0.7	0.5	0.5	0.6
126°	0.7	0.8	0.7	0.5	0.5	0.6
126.5°	0.7	0.8	0.7	0.5	0.5	0.6
127°	0.7	0.8	0.7	0.5	0.5	0.6
127.5°	0.7	0.8	0.7	0.5	0.5	0.7
128°	0.7	0.8	0.7	0.6	0.5	0.7
128.5°	0.7	0.8	0.7	0.6	0.5	0.7
129°	0.7	0.8	0.7	0.6	0.5	0.7
129.5°	0.8	0.8	0.8	0.7	0.5	0.6
130°	0.8	0.9	0.8	0.7	0.6	0.6
130.5°	0.8	0.9	0.8	0.7	0.6	0.6
131°	0.8	0.9	0.8	0.7	0.6	0.6
131.5°	0.9	0.8	0.9	0.6	0.6	0.7
132°	0.9	0.8	0.9	0.6	0.6	0.7
132.5°	0.8	0.8	0.8	0.6	0.6	0.8
133°	0.8	0.8	0.8	0.7	0.6	0.8
133.5°	0.8	0.8	0.8	0.7	0.6	0.8
134°	0.8	0.8	0.8	0.7	0.6	0.8
134.5°	0.8	0.8	0.8	0.7	0.6	0.8

TEST NUMBER: P1057169
 CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.9	0.9	0.9	0.7	0.6	0.8
135.5°	0.9	0.9	0.9	0.7	0.6	0.8
136°	0.9	0.9	0.9	0.7	0.6	0.8
136.5°	0.9	0.9	0.9	0.7	0.6	0.9
137°	0.9	0.9	0.9	0.7	0.6	0.9
137.5°	1.0	0.9	1.0	0.7	0.6	0.9
138°	1.0	0.9	1.0	0.7	0.7	0.9
138.5°	1.0	0.9	1.0	0.7	0.7	0.9
139°	1.0	0.9	1.0	0.7	0.7	0.9
139.5°	1.0	1.0	1.0	0.7	0.7	1.0
140°	1.0	1.0	1.0	0.7	0.7	1.0
140.5°	1.1	1.0	1.1	0.8	0.7	1.0
141°	1.1	1.0	1.1	0.8	0.7	1.0
141.5°	1.1	1.0	1.1	0.8	0.7	1.0
142°	1.1	1.0	1.1	0.8	0.7	1.0
142.5°	1.1	1.0	1.1	0.8	0.7	1.0
143°	1.2	1.0	1.2	0.8	0.7	1.0
143.5°	1.2	1.1	1.2	0.8	0.7	1.0
144°	1.2	1.1	1.2	0.8	0.7	1.0
144.5°	1.2	1.1	1.2	0.8	0.8	1.0
145°	1.2	1.1	1.2	0.8	0.8	1.0
145.5°	1.2	1.1	1.2	0.8	0.8	1.1
146°	1.2	1.1	1.2	0.9	0.8	1.1
146.5°	1.2	1.1	1.2	0.9	0.8	1.1
147°	1.2	1.1	1.2	0.9	0.8	1.1
147.5°	1.3	1.1	1.3	0.9	0.8	1.1
148°	1.3	1.1	1.3	0.9	0.8	1.1
148.5°	1.3	1.2	1.3	0.9	0.8	1.1
149°	1.3	1.2	1.3	0.9	0.9	1.1
149.5°	1.4	1.2	1.4	0.9	0.9	1.2
150°	1.4	1.2	1.4	0.9	0.9	1.2
150.5°	1.4	1.2	1.4	0.9	0.9	1.1
151°	1.5	1.2	1.5	0.9	0.9	1.1
151.5°	1.5	1.3	1.5	0.9	0.9	1.1
152°	1.5	1.3	1.5	0.9	0.9	1.1
152.5°	1.4	1.4	1.4	0.9	0.9	1.1
153°	1.4	1.4	1.4	0.9	0.9	1.0
153.5°	1.4	1.4	1.4	1.0	0.9	1.1
154°	1.5	1.4	1.5	1.0	0.9	1.1
154.5°	1.5	1.4	1.5	1.0	0.9	1.1
155°	1.6	1.4	1.6	1.0	1.0	1.1
155.5°	1.7	1.3	1.7	1.0	1.0	1.1
156°	1.7	1.3	1.7	1.1	1.0	1.1
156.5°	1.6	1.3	1.6	1.1	1.0	1.1
157°	1.5	1.3	1.5	1.0	1.0	1.1

TEST NUMBER: P1057169
 CATALOG NUMBER: HLCMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.5	1.3	1.5	1.0	0.9	1.0
158°	1.5	1.4	1.5	1.0	0.9	1.0
158.5°	1.5	1.4	1.5	1.1	0.9	1.0
159°	1.5	1.4	1.5	1.1	0.9	1.0
159.5°	1.5	1.4	1.5	1.1	0.9	1.0
160°	1.5	1.4	1.5	1.1	0.9	1.0
160.5°	1.5	1.4	1.5	1.1	0.9	1.0
161°	1.4	1.4	1.4	1.0	0.8	1.0
161.5°	1.4	1.4	1.4	1.0	0.8	1.0
162°	1.3	1.3	1.3	1.0	0.8	1.0
162.5°	1.3	1.2	1.3	1.0	0.9	0.9
163°	1.3	1.2	1.3	0.9	0.9	0.9
163.5°	1.3	1.2	1.3	0.9	0.9	0.9
164°	1.3	1.1	1.3	0.9	0.9	0.9
164.5°	1.3	1.1	1.3	0.9	0.8	0.9
165°	1.2	1.1	1.2	0.9	0.8	0.8
165.5°	1.2	1.1	1.2	0.9	0.8	0.8
166°	1.1	1.1	1.1	0.9	0.8	0.7
166.5°	1.0	1.1	1.0	0.9	0.8	0.7
167°	0.9	1.1	0.9	0.8	0.8	0.7
167.5°	0.9	1.1	0.9	0.8	0.8	0.7
168°	0.8	0.9	0.8	0.7	0.8	0.7
168.5°	0.8	0.8	0.8	0.7	0.8	0.7
169°	0.8	0.8	0.8	0.7	0.8	0.7
169.5°	0.7	0.8	0.7	0.7	0.9	0.7
170°	0.7	0.7	0.7	0.7	0.9	0.7
170.5°	0.6	0.7	0.6	0.7	0.9	0.9
171°	0.6	0.6	0.6	0.7	0.9	1.0
171.5°	0.6	0.6	0.6	0.7	0.8	0.9
172°	0.6	0.6	0.6	0.6	0.7	0.9
172.5°	0.6	0.6	0.6	0.6	0.7	0.6
173°	0.6	0.6	0.6	0.6	0.6	0.4
173.5°	0.6	0.6	0.6	0.6	0.6	0.4
174°	0.6	0.6	0.6	0.6	0.5	0.4
174.5°	0.6	0.6	0.6	0.6	0.4	0.3
175°	0.6	0.6	0.6	0.6	0.3	0.3
175.5°	0.6	0.5	0.6	0.4	0.3	0.3
176°	0.5	0.5	0.5	0.3	0.3	0.3
176.5°	0.4	0.5	0.4	0.3	0.3	0.3
177°	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3
178.5°	0.3	0.3	0.3	0.3	0.3	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3
179.5°	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P1057169
CATALOG NUMBER: HLCEMS410FS1E-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.3	0.3	0.3	0.3	0.3	0.3

(END OF REPORT)