

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: PORTFOLIO

Report Number: P245862

Luminaire Tested: **LD8B10D010 ER8B10940 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B10D010 ER8B10940 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 4000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 940.0 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

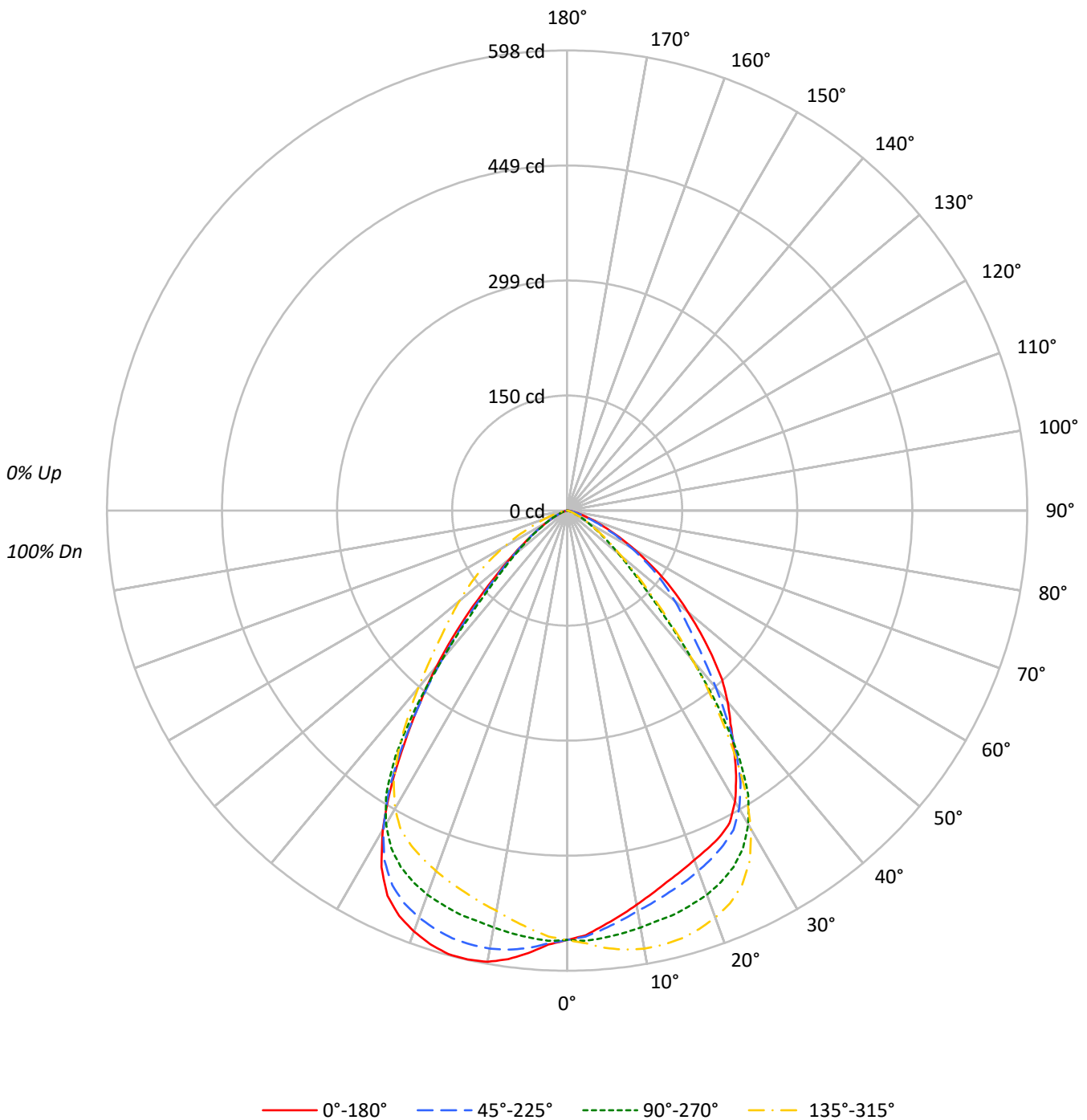
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

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

	0°	90°	180°	270°
0°	17207	17207	17207	17207
5°	16752	17248	17864	17248
10°	16289	17225	18643	17225
15°	15962	17328	19049	17328
20°	15853	17428	19099	17428
25°	15937	17393	18792	17393
30°	15542	16757	17056	16757
35°	14218	14617	13868	14617
40°	13054	10168	10619	10168
45°	11596	6201	7178	6201
50°	9815	4145	4601	4145
55°	8129	2828	2989	2828
60°	6198	1881	1900	1881
65°	4392	1175	1073	1175
70°	3165	784	712	784
75°	2014	393	322	393
80°	1403	284	249	284
85°	1238	0	106	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.1	5.7
10°-20°	153.8	16.4
20°-30°	232.9	24.8
30°-40°	233.4	24.8
40°-50°	146.6	15.6
50°-60°	78.1	8.3
60°-70°	32.1	3.4
70°-80°	8.5	0.9
80°-90°	1.4	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	439.8	46.8
0°-40°	673.3	71.6
0°-60°	898.0	95.5
0°-90°	940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	940.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	558	558	558	558	558	
5°	541	557	577	557	541	51
15°	500	543	597	543	500	141
25°	468	511	552	511	468	215
35°	378	388	368	388	378	237
45°	266	142	165	142	266	205
55°	151	53	56	53	151	135
65°	60	16	15	16	60	62
75°	17	3	3	3	17	19
85°	4	0	0	0	4	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0
2.5°	552.3	551.8	551.5	552.1	552.3	553.4	553.1	553.7	553.7	554.0	554.5
5°	541.2	540.9	541.2	541.2	542.2	543.3	543.1	543.9	544.4	545.8	546.3
7.5°	530.8	530.8	530.5	531.6	532.2	533.8	533.5	534.9	535.7	537.1	539.0
10°	520.2	520.2	520.4	521.3	521.5	524.0	524.0	525.9	527.0	528.3	530.8
12.5°	509.8	509.8	511.5	510.9	512.0	513.9	514.7	516.6	518.3	521.0	523.4
15°	500.0	500.0	500.6	501.9	502.7	505.2	506.5	508.7	510.6	513.4	516.9
17.5°	491.6	491.3	491.6	493.2	494.8	497.0	498.1	500.8	502.7	506.3	509.6
20°	483.1	483.7	483.7	485.0	486.1	488.8	489.9	492.9	495.1	498.4	502.2
22.5°	475.8	475.5	475.5	477.4	478.2	480.7	481.7	484.5	486.9	489.7	493.2
25°	468.4	467.9	469.0	469.2	469.8	472.5	473.3	475.2	477.7	480.1	483.7
27.5°	457.5	457.0	457.2	458.3	459.1	461.3	461.9	463.8	465.7	467.9	470.9
30°	436.5	436.0	435.7	437.6	438.4	440.1	440.9	444.2	444.7	447.1	449.3
32.5°	408.7	408.5	409.0	410.6	411.4	413.6	414.7	416.6	418.0	419.4	421.5
35°	377.7	377.1	377.7	379.3	379.3	381.2	382.0	382.8	382.6	382.8	382.3
37.5°	348.8	348.5	348.8	349.6	348.8	349.6	348.8	347.1	344.2	340.9	337.6
40°	324.3	324.5	322.9	324.0	321.0	320.4	317.4	313.4	307.4	300.8	291.6
42.5°	298.1	297.3	296.2	296.7	294.3	292.4	287.5	282.3	274.7	263.8	252.6
45°	265.9	265.7	265.1	264.9	263.2	261.3	257.2	251.2	242.8	231.6	218.3
47.5°	234.6	233.8	233.8	234.1	232.2	231.9	228.6	223.4	216.1	205.2	191.3
50°	204.6	204.4	204.9	206.0	204.6	204.1	201.9	198.4	191.8	182.6	169.5
52.5°	177.7	177.4	177.9	179.3	178.7	179.3	177.1	174.4	170.0	161.0	149.6
55°	151.2	151.2	151.2	152.9	152.9	152.9	151.8	150.1	146.1	139.5	128.9
57.5°	123.7	124.0	125.6	125.9	125.6	126.2	125.9	124.2	121.5	116.9	108.7
60°	100.5	100.5	101.4	102.2	101.9	102.2	102.2	101.4	98.6	94.8	88.3
62.5°	79.6	80.4	79.8	80.4	81.5	80.4	79.8	79.3	77.4	74.9	69.5
65°	60.2	60.8	60.8	61.0	60.5	60.8	59.7	58.9	57.8	55.0	51.5
67.5°	45.8	45.8	45.8	45.8	45.5	45.2	45.0	44.1	42.2	41.2	37.3
70°	35.1	33.5	33.5	33.5	33.5	33.8	33.0	31.9	31.3	29.4	26.7
72.5°	23.4	24.0	23.4	23.4	22.9	23.2	22.1	21.5	21.0	19.9	18.3
75°	16.9	15.5	16.1	16.4	15.5	16.1	15.0	13.9	13.9	13.1	12.3
77.5°	10.9	10.6	10.9	11.2	10.9	10.6	10.1	9.5	9.5	9.3	8.4
80°	7.9	7.6	7.6	7.6	7.4	7.6	7.1	7.1	6.5	6.3	5.7
82.5°	5.2	5.2	4.9	5.2	4.9	5.2	4.4	4.4	4.4	4.1	3.5
85°	3.5	3.0	3.0	3.3	2.7	3.3	3.0	2.7	2.5	2.5	2.2
87.5°	1.6	1.9	1.6	1.9	1.6	1.6	1.9	1.6	1.6	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0
2.5°	555.3	555.6	555.6	556.7	557.2	557.5	557.5	559.7	558.9	559.4	560.0
5°	547.4	549.1	549.6	549.6	552.6	553.7	554.8	557.2	557.5	559.1	561.0
7.5°	539.8	541.7	542.8	545.2	547.1	549.1	552.3	554.0	555.6	557.8	560.2
10°	532.4	534.6	536.8	538.7	541.7	544.2	546.3	550.1	552.1	555.1	558.3
12.5°	525.4	528.3	530.3	533.5	536.8	539.0	542.2	545.8	548.8	551.8	555.6
15°	519.1	522.6	524.8	528.3	531.9	534.9	538.4	542.8	545.0	548.5	552.1
17.5°	512.3	516.1	518.8	522.1	526.4	529.7	532.7	537.1	539.8	543.6	547.7
20°	505.2	509.0	512.3	515.5	519.9	523.2	526.7	531.1	534.1	537.9	541.2
22.5°	496.7	500.3	503.8	507.6	512.0	514.7	518.8	522.6	525.9	529.4	532.7
25°	485.8	490.2	492.9	496.5	500.0	503.0	507.4	511.2	513.9	517.2	520.2
27.5°	473.0	476.3	478.5	481.5	485.0	487.7	491.0	494.8	497.6	500.6	502.7
30°	451.2	454.2	456.1	458.3	461.9	464.3	467.0	470.6	472.5	474.7	476.6
32.5°	422.6	425.1	426.2	427.8	430.3	432.7	434.9	437.9	438.7	440.1	440.1
35°	381.2	381.7	381.5	382.0	383.1	384.5	386.4	388.3	389.4	389.4	388.6
37.5°	332.7	329.4	325.9	323.2	322.4	321.8	322.9	323.7	324.8	325.3	324.0
40°	282.3	274.9	267.0	259.9	255.0	252.9	252.1	252.6	252.6	254.5	254.5
42.5°	239.0	227.5	215.8	205.2	198.1	192.7	190.2	190.2	190.5	191.8	192.7
45°	203.0	188.6	174.9	163.2	153.4	146.3	143.1	142.2	142.0	142.5	144.4
47.5°	175.5	160.5	146.3	131.9	121.5	114.4	111.5	110.4	109.3	110.4	110.6
50°	154.0	138.4	123.4	109.0	98.1	91.8	88.0	86.4	86.1	86.1	86.7
52.5°	134.3	119.9	104.9	90.2	78.7	72.8	69.2	68.4	67.3	68.4	68.4
55°	115.8	101.4	86.7	72.8	63.2	57.0	53.7	52.6	52.0	52.9	52.9
57.5°	95.6	83.4	69.8	57.2	47.7	43.3	40.9	39.5	39.2	39.8	39.2
60°	78.5	68.1	56.4	45.0	37.6	33.0	31.1	30.5	30.0	30.5	30.5
62.5°	62.1	53.4	43.9	35.1	28.9	25.6	23.4	23.4	23.2	23.2	23.4
65°	46.1	39.2	32.4	25.1	20.2	17.7	16.1	16.1	15.8	16.1	15.8
67.5°	33.5	28.9	23.4	18.3	14.4	13.1	12.0	11.2	11.7	11.2	10.9
70°	24.5	20.7	16.9	13.9	11.2	9.8	9.0	8.7	8.2	8.2	8.2
72.5°	16.4	13.9	11.4	9.0	7.4	6.0	5.7	5.2	4.6	4.9	5.5
75°	10.9	9.3	8.2	6.5	4.9	4.9	3.3	3.3	2.7	3.3	2.5
77.5°	7.6	6.3	4.9	4.1	3.3	3.0	2.2	2.2	1.9	1.9	1.9
80°	5.5	4.6	3.5	3.0	2.2	2.2	1.9	1.6	1.4	1.4	1.6
82.5°	3.3	2.5	2.5	2.2	1.4	1.1	0.8	1.1	0.5	0.5	0.5
85°	1.9	1.6	1.4	0.8	0.5	0.5	0.3	0.0	0.3	0.3	0.0
87.5°	1.1	0.5	0.5	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0
2.5°	561.3	561.0	561.6	561.6	563.2	562.9	563.8	563.8	563.2	563.5	564.6
5°	563.2	564.0	565.7	567.0	569.5	570.6	571.9	573.3	573.6	574.4	575.2
7.5°	563.2	566.0	567.9	570.3	573.6	575.5	578.5	580.9	582.0	583.4	585.0
10°	562.1	564.9	568.4	571.1	575.2	578.2	581.2	585.0	586.7	588.8	591.0
12.5°	560.0	562.9	566.8	570.3	574.9	577.7	581.5	585.0	587.5	590.5	592.9
15°	556.7	560.2	563.8	567.3	572.2	575.5	579.0	583.1	585.6	588.8	591.0
17.5°	551.5	555.3	558.6	561.9	566.5	570.3	573.6	577.4	579.9	582.6	585.6
20°	545.2	548.8	552.3	555.1	559.7	562.9	566.5	570.0	571.9	572.5	577.1
22.5°	537.3	539.8	542.5	546.9	549.6	552.6	555.9	559.1	561.0	564.0	565.7
25°	524.3	526.7	529.7	531.6	534.9	537.3	540.6	544.2	545.2	547.4	549.1
27.5°	506.0	507.4	508.7	510.4	512.3	513.6	515.5	517.2	518.3	519.4	520.4
30°	477.1	477.1	477.1	476.0	476.8	477.7	477.9	477.7	477.7	477.4	477.4
32.5°	439.0	436.8	434.3	432.2	431.3	430.3	429.7	428.9	427.5	426.7	427.0
35°	387.5	382.6	379.6	376.8	374.7	373.0	372.2	371.4	371.1	370.0	368.9
37.5°	323.2	319.6	317.4	315.8	313.9	312.3	312.5	312.8	313.6	313.1	313.4
40°	255.0	254.2	255.0	253.1	252.6	253.1	254.5	256.4	257.5	258.6	260.5
42.5°	194.0	195.4	197.3	197.3	198.1	199.2	200.8	203.8	205.4	207.4	209.5
45°	146.1	147.7	150.1	151.0	151.5	152.9	154.8	157.2	158.3	159.9	161.9
47.5°	112.5	113.6	115.0	116.4	117.7	118.3	120.2	120.2	121.5	122.6	123.2
50°	87.7	88.8	89.9	90.7	91.3	92.1	92.6	93.5	93.7	94.3	94.5
52.5°	68.7	70.0	70.0	70.6	71.4	72.2	71.9	72.2	72.5	72.5	73.3
55°	53.7	53.7	54.5	54.5	55.0	54.8	55.0	55.0	55.0	55.0	55.3
57.5°	40.1	40.3	41.2	40.6	40.3	40.9	40.3	40.9	40.6	41.2	40.3
60°	30.8	30.8	31.1	31.1	31.3	31.3	31.3	31.1	31.1	30.8	30.8
62.5°	23.2	23.4	23.7	23.4	23.4	23.4	23.2	23.2	22.9	22.6	22.6
65°	15.5	15.3	15.8	15.3	15.5	15.5	15.3	15.5	14.7	15.0	14.7
67.5°	11.2	10.9	10.6	10.9	10.6	10.4	10.4	10.6	10.9	10.1	10.1
70°	7.4	7.6	7.4	7.6	7.9	7.9	7.6	7.4	7.6	7.1	7.4
72.5°	4.6	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.4	4.4	4.1
75°	2.2	3.0	2.5	2.2	3.0	3.0	2.7	2.7	2.5	2.5	2.5
77.5°	2.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.6	1.4
80°	1.1	1.1	1.1	0.8	1.1	1.1	1.4	1.1	1.1	0.8	1.4
82.5°	0.5	0.5	0.5	0.0	0.3	0.5	0.5	0.3	0.5	0.5	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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CATALOG NUMBER: LD8B10D010 ER8B10940 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0
2.5°	564.3	564.0	564.3	564.6	564.3	564.0	564.3	564.6	563.5	563.2	563.8
5°	576.3	576.3	576.8	577.1	576.8	576.3	576.3	575.2	574.4	573.6	573.3
7.5°	586.7	587.2	587.7	588.0	587.7	587.2	586.7	585.0	583.4	582.0	580.9
10°	592.9	593.7	594.8	595.4	594.8	593.7	592.9	591.0	588.8	586.7	585.0
12.5°	595.7	596.5	597.8	597.6	597.8	596.5	595.7	592.9	590.5	587.5	585.0
15°	593.7	594.8	596.2	596.7	596.2	594.8	593.7	591.0	588.8	585.6	583.1
17.5°	587.7	589.4	590.2	591.0	590.2	589.4	587.7	585.6	582.6	579.9	577.4
20°	579.6	580.7	581.8	582.0	581.8	580.7	579.6	577.1	572.5	571.9	570.0
22.5°	567.9	568.7	571.1	570.3	571.1	568.7	567.9	565.7	564.0	561.0	559.1
25°	551.0	551.8	552.1	552.3	552.1	551.8	551.0	549.1	547.4	545.2	544.2
27.5°	521.8	521.8	522.3	522.6	522.3	521.8	521.8	520.4	519.4	518.3	517.2
30°	477.7	477.7	477.7	479.0	477.7	477.7	477.7	477.4	477.4	477.7	477.7
32.5°	426.7	426.2	425.6	426.2	425.6	426.2	426.7	427.0	426.7	427.5	428.9
35°	368.9	368.7	369.5	368.4	369.5	368.7	368.9	368.9	370.0	371.1	371.4
37.5°	313.6	313.1	314.2	313.1	314.2	313.1	313.6	313.4	313.1	313.6	312.8
40°	261.0	261.6	261.6	263.8	261.6	261.6	261.0	260.5	258.6	257.5	256.4
42.5°	210.6	212.3	211.7	213.4	211.7	212.3	210.6	209.5	207.4	205.4	203.8
45°	162.9	164.0	164.0	164.6	164.0	164.0	162.9	161.9	159.9	158.3	157.2
47.5°	125.1	125.1	125.1	125.3	125.1	125.1	125.1	123.2	122.6	121.5	120.2
50°	95.1	95.4	95.6	95.9	95.6	95.4	95.1	94.5	94.3	93.7	93.5
52.5°	73.0	73.3	72.8	73.3	72.8	73.3	73.0	73.3	72.5	72.5	72.2
55°	55.3	55.0	55.3	55.6	55.3	55.0	55.3	55.3	55.0	55.0	55.0
57.5°	40.6	40.1	40.1	40.1	40.1	40.1	40.6	40.3	41.2	40.6	40.9
60°	30.2	30.5	30.5	30.8	30.5	30.5	30.2	30.8	30.8	31.1	31.1
62.5°	22.3	23.2	22.6	23.2	22.6	23.2	22.3	22.6	22.6	22.9	23.2
65°	14.4	14.4	14.4	14.7	14.4	14.4	14.4	14.7	15.0	14.7	15.5
67.5°	9.8	10.1	10.6	10.4	10.6	10.1	9.8	10.1	10.1	10.9	10.6
70°	7.9	7.1	7.1	7.9	7.1	7.1	7.9	7.4	7.1	7.6	7.4
72.5°	4.6	4.1	4.6	4.6	4.6	4.1	4.6	4.1	4.4	4.4	4.9
75°	2.5	2.2	1.9	2.7	1.9	2.2	2.5	2.5	2.5	2.5	2.7
77.5°	1.6	1.4	1.9	1.9	1.9	1.4	1.6	1.4	1.6	1.4	1.6
80°	0.8	1.1	0.8	1.4	0.8	1.1	0.8	1.4	0.8	1.1	1.1
82.5°	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.5	0.5	0.3
85°	0.0	0.5	0.3	0.3	0.3	0.5	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P245862

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0
2.5°	563.8	562.9	563.2	561.6	561.6	561.0	561.3	560.0	559.4	558.9	559.7
5°	571.9	570.6	569.5	567.0	565.7	564.0	563.2	561.0	559.1	557.5	557.2
7.5°	578.5	575.5	573.6	570.3	567.9	566.0	563.2	560.2	557.8	555.6	554.0
10°	581.2	578.2	575.2	571.1	568.4	564.9	562.1	558.3	555.1	552.1	550.1
12.5°	581.5	577.7	574.9	570.3	566.8	562.9	560.0	555.6	551.8	548.8	545.8
15°	579.0	575.5	572.2	567.3	563.8	560.2	556.7	552.1	548.5	545.0	542.8
17.5°	573.6	570.3	566.5	561.9	558.6	555.3	551.5	547.7	543.6	539.8	537.1
20°	566.5	562.9	559.7	555.1	552.3	548.8	545.2	541.2	537.9	534.1	531.1
22.5°	555.9	552.6	549.6	546.9	542.5	539.8	537.3	532.7	529.4	525.9	522.6
25°	540.6	537.3	534.9	531.6	529.7	526.7	524.3	520.2	517.2	513.9	511.2
27.5°	515.5	513.6	512.3	510.4	508.7	507.4	506.0	502.7	500.6	497.6	494.8
30°	477.9	477.7	476.8	476.0	477.1	477.1	477.1	476.6	474.7	472.5	470.6
32.5°	429.7	430.3	431.3	432.2	434.3	436.8	439.0	440.1	440.1	438.7	437.9
35°	372.2	373.0	374.7	376.8	379.6	382.6	387.5	388.6	389.4	389.4	388.3
37.5°	312.5	312.3	313.9	315.8	317.4	319.6	323.2	324.0	325.3	324.8	323.7
40°	254.5	253.1	252.6	253.1	255.0	254.2	255.0	254.5	254.5	252.6	252.6
42.5°	200.8	199.2	198.1	197.3	197.3	195.4	194.0	192.7	191.8	190.5	190.2
45°	154.8	152.9	151.5	151.0	150.1	147.7	146.1	144.4	142.5	142.0	142.2
47.5°	120.2	118.3	117.7	116.4	115.0	113.6	112.5	110.6	110.4	109.3	110.4
50°	92.6	92.1	91.3	90.7	89.9	88.8	87.7	86.7	86.1	86.1	86.4
52.5°	71.9	72.2	71.4	70.6	70.0	70.0	68.7	68.4	68.4	67.3	68.4
55°	55.0	54.8	55.0	54.5	54.5	53.7	53.7	52.9	52.9	52.0	52.6
57.5°	40.3	40.9	40.3	40.6	41.2	40.3	40.1	39.2	39.8	39.2	39.5
60°	31.3	31.3	31.3	31.1	31.1	30.8	30.8	30.5	30.5	30.0	30.5
62.5°	23.2	23.4	23.4	23.4	23.7	23.4	23.2	23.4	23.2	23.2	23.4
65°	15.3	15.5	15.5	15.3	15.8	15.3	15.5	15.8	16.1	15.8	16.1
67.5°	10.4	10.4	10.6	10.9	10.6	10.9	11.2	10.9	11.2	11.7	11.2
70°	7.6	7.9	7.9	7.6	7.4	7.6	7.4	8.2	8.2	8.2	8.7
72.5°	4.9	4.9	4.6	4.6	4.6	4.6	4.6	5.5	4.9	4.6	5.2
75°	2.7	3.0	3.0	2.2	2.5	3.0	2.2	2.5	3.3	2.7	3.3
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.2	1.9	1.9	1.9	2.2
80°	1.4	1.1	1.1	0.8	1.1	1.1	1.1	1.6	1.4	1.4	1.6
82.5°	0.5	0.5	0.3	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P245862

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0	558.0
2.5°	557.5	557.5	557.2	556.7	555.6	555.6	555.3	554.5	554.0	553.7	553.7
5°	554.8	553.7	552.6	549.6	549.6	549.1	547.4	546.3	545.8	544.4	543.9
7.5°	552.3	549.1	547.1	545.2	542.8	541.7	539.8	539.0	537.1	535.7	534.9
10°	546.3	544.2	541.7	538.7	536.8	534.6	532.4	530.8	528.3	527.0	525.9
12.5°	542.2	539.0	536.8	533.5	530.3	528.3	525.4	523.4	521.0	518.3	516.6
15°	538.4	534.9	531.9	528.3	524.8	522.6	519.1	516.9	513.4	510.6	508.7
17.5°	532.7	529.7	526.4	522.1	518.8	516.1	512.3	509.6	506.3	502.7	500.8
20°	526.7	523.2	519.9	515.5	512.3	509.0	505.2	502.2	498.4	495.1	492.9
22.5°	518.8	514.7	512.0	507.6	503.8	500.3	496.7	493.2	489.7	486.9	484.5
25°	507.4	503.0	500.0	496.5	492.9	490.2	485.8	483.7	480.1	477.7	475.2
27.5°	491.0	487.7	485.0	481.5	478.5	476.3	473.0	470.9	467.9	465.7	463.8
30°	467.0	464.3	461.9	458.3	456.1	454.2	451.2	449.3	447.1	444.7	444.2
32.5°	434.9	432.7	430.3	427.8	426.2	425.1	422.6	421.5	419.4	418.0	416.6
35°	386.4	384.5	383.1	382.0	381.5	381.7	381.2	382.3	382.8	382.6	382.8
37.5°	322.9	321.8	322.4	323.2	325.9	329.4	332.7	337.6	340.9	344.2	347.1
40°	252.1	252.9	255.0	259.9	267.0	274.9	282.3	291.6	300.8	307.4	313.4
42.5°	190.2	192.7	198.1	205.2	215.8	227.5	239.0	252.6	263.8	274.7	282.3
45°	143.1	146.3	153.4	163.2	174.9	188.6	203.0	218.3	231.6	242.8	251.2
47.5°	111.5	114.4	121.5	131.9	146.3	160.5	175.5	191.3	205.2	216.1	223.4
50°	88.0	91.8	98.1	109.0	123.4	138.4	154.0	169.5	182.6	191.8	198.4
52.5°	69.2	72.8	78.7	90.2	104.9	119.9	134.3	149.6	161.0	170.0	174.4
55°	53.7	57.0	63.2	72.8	86.7	101.4	115.8	128.9	139.5	146.1	150.1
57.5°	40.9	43.3	47.7	57.2	69.8	83.4	95.6	108.7	116.9	121.5	124.2
60°	31.1	33.0	37.6	45.0	56.4	68.1	78.5	88.3	94.8	98.6	101.4
62.5°	23.4	25.6	28.9	35.1	43.9	53.4	62.1	69.5	74.9	77.4	79.3
65°	16.1	17.7	20.2	25.1	32.4	39.2	46.1	51.5	55.0	57.8	58.9
67.5°	12.0	13.1	14.4	18.3	23.4	28.9	33.5	37.3	41.2	42.2	44.1
70°	9.0	9.8	11.2	13.9	16.9	20.7	24.5	26.7	29.4	31.3	31.9
72.5°	5.7	6.0	7.4	9.0	11.4	13.9	16.4	18.3	19.9	21.0	21.5
75°	3.3	4.9	4.9	6.5	8.2	9.3	10.9	12.3	13.1	13.9	13.9
77.5°	2.2	3.0	3.3	4.1	4.9	6.3	7.6	8.4	9.3	9.5	9.5
80°	1.9	2.2	2.2	3.0	3.5	4.6	5.5	5.7	6.3	6.5	7.1
82.5°	0.8	1.1	1.4	2.2	2.5	2.5	3.3	3.5	4.1	4.4	4.4
85°	0.3	0.5	0.5	0.8	1.4	1.6	1.9	2.2	2.5	2.5	2.7
87.5°	0.3	0.3	0.0	0.3	0.5	0.5	1.1	1.1	1.1	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P245862

CATALOG NUMBER: LD8B10D010 ER8B10940 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	558.0	558.0	558.0	558.0	558.0	558.0	558.0
2.5°	553.1	553.4	552.3	552.1	551.5	551.8	552.3
5°	543.1	543.3	542.2	541.2	541.2	540.9	541.2
7.5°	533.5	533.8	532.2	531.6	530.5	530.8	530.8
10°	524.0	524.0	521.5	521.3	520.4	520.2	520.2
12.5°	514.7	513.9	512.0	510.9	511.5	509.8	509.8
15°	506.5	505.2	502.7	501.9	500.6	500.0	500.0
17.5°	498.1	497.0	494.8	493.2	491.6	491.3	491.6
20°	489.9	488.8	486.1	485.0	483.7	483.7	483.1
22.5°	481.7	480.7	478.2	477.4	475.5	475.5	475.8
25°	473.3	472.5	469.8	469.2	469.0	467.9	468.4
27.5°	461.9	461.3	459.1	458.3	457.2	457.0	457.5
30°	440.9	440.1	438.4	437.6	435.7	436.0	436.5
32.5°	414.7	413.6	411.4	410.6	409.0	408.5	408.7
35°	382.0	381.2	379.3	379.3	377.7	377.1	377.7
37.5°	348.8	349.6	348.8	349.6	348.8	348.5	348.8
40°	317.4	320.4	321.0	324.0	322.9	324.5	324.3
42.5°	287.5	292.4	294.3	296.7	296.2	297.3	298.1
45°	257.2	261.3	263.2	264.9	265.1	265.7	265.9
47.5°	228.6	231.9	232.2	234.1	233.8	233.8	234.6
50°	201.9	204.1	204.6	206.0	204.9	204.4	204.6
52.5°	177.1	179.3	178.7	179.3	177.9	177.4	177.7
55°	151.8	152.9	152.9	152.9	151.2	151.2	151.2
57.5°	125.9	126.2	125.6	125.9	125.6	124.0	123.7
60°	102.2	102.2	101.9	102.2	101.4	100.5	100.5
62.5°	79.8	80.4	81.5	80.4	79.8	80.4	79.6
65°	59.7	60.8	60.5	61.0	60.8	60.8	60.2
67.5°	45.0	45.2	45.5	45.8	45.8	45.8	45.8
70°	33.0	33.8	33.5	33.5	33.5	33.5	35.1
72.5°	22.1	23.2	22.9	23.4	23.4	24.0	23.4
75°	15.0	16.1	15.5	16.4	16.1	15.5	16.9
77.5°	10.1	10.6	10.9	11.2	10.9	10.6	10.9
80°	7.1	7.6	7.4	7.6	7.6	7.6	7.9
82.5°	4.4	5.2	4.9	5.2	4.9	5.2	5.2
85°	3.0	3.3	2.7	3.3	3.0	3.0	3.5
87.5°	1.9	1.6	1.6	1.9	1.6	1.9	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)