

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: P245977

Luminaire Tested: **LD8B15D010 ER8B15840 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245977  
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: LD8B15D010 ER8B15840 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1518.0 lumens  
Efficiency: N/A  
Efficacy: 105.4 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

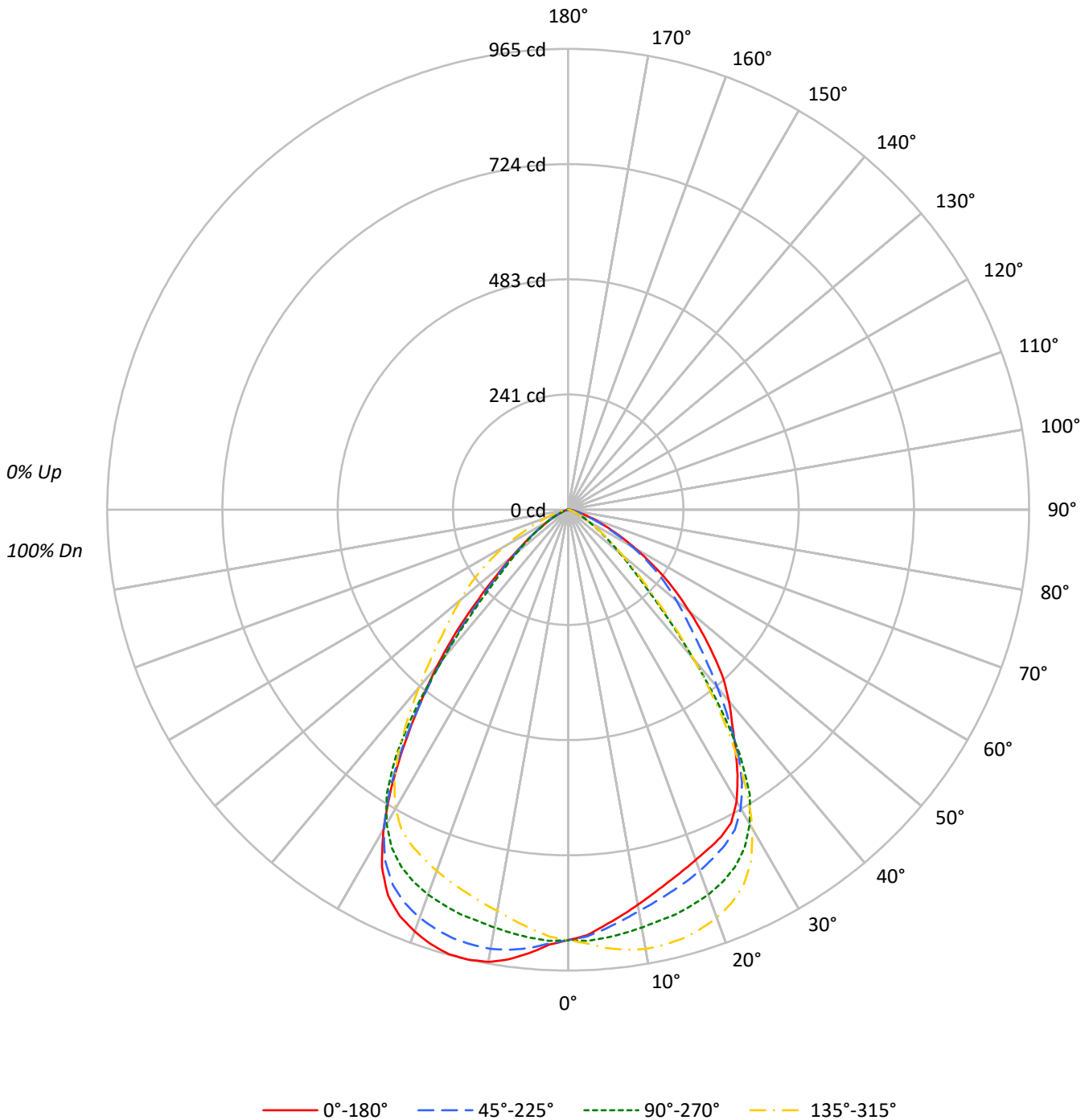
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	90°	180°	270°
0°	27790	27790	27790	27790
5°	27051	27856	28849	27856
10°	26302	27818	30107	27818
15°	25779	27985	30765	27985
20°	25603	28142	30843	28142
25°	25736	28087	30350	28087
30°	25099	27058	27545	27058
35°	22959	23603	22395	23603
40°	21077	16420	17148	16420
45°	18730	10017	11591	10017
50°	15855	6692	7431	6692
55°	13129	4564	4828	4564
60°	10016	3040	3065	3040
65°	7092	1897	1737	1897
70°	5121	1271	1154	1271
75°	3253	631	524	631
80°	2273	462	391	462
85°	2017	0	142	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.8	5.7
10°-20°	248.4	16.4
20°-30°	376.1	24.8
30°-40°	377.0	24.8
40°-50°	236.7	15.6
50°-60°	126.1	8.3
60°-70°	51.9	3.4
70°-80°	13.7	0.9
80°-90°	2.3	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°	710.3	46.8
0°-40°	1087.2	71.6
0°-60°	1450.1	95.5
0°-90°	1518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1518.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	901	901	901	901	901	
5°	874	900	932	900	874	82
15°	808	877	964	877	808	228
25°	756	826	892	826	756	347
35°	610	627	595	627	610	382
45°	430	230	266	230	430	330
55°	244	85	90	85	244	218
65°	97	26	24	26	97	101
75°	27	5	4	5	27	31
85°	6	0	0	0	6	6
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°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	892.0	891.1	890.6	891.5	892.0	893.7	893.3	894.1	894.1	894.6	895.5
5°	873.9	873.5	873.9	873.9	875.7	877.4	877.0	878.3	879.2	881.4	882.3
7.5°	857.2	857.2	856.7	858.5	859.4	862.0	861.6	863.8	865.1	867.3	870.4
10°	840.0	840.0	840.5	841.8	842.2	846.2	846.2	849.3	851.0	853.2	857.2
12.5°	823.3	823.3	826.0	825.1	826.8	829.9	831.2	834.3	836.9	841.3	845.3
15°	807.5	807.5	808.3	810.5	811.9	815.8	818.0	821.5	824.6	829.0	834.8
17.5°	793.8	793.4	793.8	796.5	799.1	802.6	804.4	808.8	811.9	817.6	822.9
20°	780.2	781.1	781.1	783.3	785.0	789.4	791.2	796.0	799.5	804.8	811.0
22.5°	768.3	767.9	767.9	770.9	772.3	776.2	778.0	782.4	786.3	790.7	796.5
25°	756.4	755.5	757.3	757.7	758.6	763.0	764.3	767.4	771.4	775.3	781.1
27.5°	738.8	737.9	738.4	740.1	741.5	745.0	745.9	748.9	752.0	755.5	760.4
30°	704.9	704.1	703.6	706.7	708.0	710.6	712.0	717.3	718.1	722.1	725.6
32.5°	660.0	659.6	660.5	663.1	664.4	668.0	669.7	672.8	675.0	677.2	680.7
35°	609.9	609.0	609.9	612.5	612.5	615.6	616.9	618.2	617.8	618.2	617.4
37.5°	563.3	562.8	563.3	564.6	563.3	564.6	563.3	560.6	555.8	550.5	545.2
40°	523.6	524.1	521.4	523.2	518.4	517.5	512.6	506.0	496.4	485.8	470.8
42.5°	481.4	480.1	478.3	479.2	475.2	472.1	464.2	455.9	443.5	426.0	407.9
45°	429.5	429.0	428.2	427.7	425.1	422.0	415.4	405.7	392.1	374.0	352.5
47.5°	378.9	377.5	377.5	378.0	374.9	374.5	369.2	360.8	348.9	331.3	308.9
50°	330.5	330.0	330.9	332.7	330.5	329.6	326.1	320.3	309.8	294.8	273.7
52.5°	286.9	286.5	287.3	289.5	288.7	289.5	286.0	281.6	274.6	260.1	241.6
55°	244.2	244.2	244.2	246.9	246.9	246.9	245.1	242.5	235.9	225.3	208.1
57.5°	199.8	200.2	202.9	203.3	202.9	203.7	203.3	200.6	196.3	188.8	175.6
60°	162.4	162.4	163.7	165.0	164.6	165.0	165.0	163.7	159.3	153.1	142.6
62.5°	128.5	129.8	128.9	129.8	131.6	129.8	128.9	128.1	125.0	121.0	112.2
65°	97.2	98.1	98.1	98.6	97.7	98.1	96.4	95.1	93.3	88.9	83.2
67.5°	73.9	73.9	73.9	73.9	73.5	73.0	72.6	71.3	68.2	66.5	60.3
70°	56.8	54.1	54.1	54.1	54.1	54.6	53.2	51.5	50.6	47.5	43.1
72.5°	37.8	38.7	37.8	37.8	37.0	37.4	35.6	34.8	33.9	32.1	29.5
75°	27.3	25.1	26.0	26.4	25.1	26.0	24.2	22.4	22.4	21.1	19.8
77.5°	17.6	17.2	17.6	18.0	17.6	17.2	16.3	15.4	15.4	15.0	13.6
80°	12.8	12.3	12.3	12.3	11.9	12.3	11.4	11.4	10.6	10.1	9.2
82.5°	8.4	8.4	7.9	8.4	7.9	8.4	7.0	7.0	7.0	6.6	5.7
85°	5.7	4.8	4.8	5.3	4.4	5.3	4.8	4.4	4.0	4.0	3.5
87.5°	2.6	3.1	2.6	3.1	2.6	2.6	3.1	2.6	2.6	1.8	1.8
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°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	896.8	897.2	897.2	899.0	899.9	900.3	900.3	903.8	902.5	903.4	904.3
5°	884.0	886.7	887.6	887.6	892.4	894.1	895.9	899.9	900.3	902.9	906.0
7.5°	871.7	874.8	876.6	880.5	883.6	886.7	892.0	894.6	897.2	900.8	904.7
10°	859.8	863.4	866.9	869.9	874.8	878.7	882.3	888.4	891.5	896.4	901.6
12.5°	848.4	853.2	856.3	861.6	866.9	870.4	875.7	881.4	886.2	891.1	897.2
15°	838.3	844.0	847.5	853.2	859.0	863.8	869.5	876.6	880.1	885.8	891.5
17.5°	827.3	833.4	837.8	843.1	850.1	855.4	860.3	867.3	871.7	877.9	884.5
20°	815.8	822.0	827.3	832.5	839.6	844.9	850.6	857.6	862.5	868.6	873.9
22.5°	802.2	807.9	813.6	819.8	826.8	831.2	837.8	844.0	849.3	855.0	860.3
25°	784.6	791.6	796.0	801.7	807.5	812.3	819.3	825.5	829.9	835.2	840.0
27.5°	763.9	769.2	772.7	777.5	783.3	787.7	792.9	799.1	803.5	808.3	811.9
30°	728.7	733.5	736.6	740.1	745.9	749.8	754.2	759.9	763.0	766.5	769.6
32.5°	682.5	686.5	688.2	690.9	694.8	698.8	702.3	707.1	708.5	710.6	710.6
35°	615.6	616.5	616.0	616.9	618.7	620.9	624.0	627.0	628.8	628.8	627.5
37.5°	537.3	532.0	526.3	521.9	520.6	519.7	521.4	522.8	524.5	525.4	523.2
40°	455.9	444.0	431.2	419.8	411.9	408.4	407.0	407.9	407.9	411.0	411.0
42.5°	385.9	367.4	348.5	331.3	319.9	311.1	307.1	307.1	307.6	309.8	311.1
45°	327.8	304.5	282.5	263.6	247.7	236.3	231.0	229.7	229.3	230.1	233.2
47.5°	283.4	259.2	236.3	213.0	196.3	184.8	180.0	178.2	176.4	178.2	178.7
50°	248.6	223.5	199.3	176.0	158.4	148.3	142.1	139.5	139.0	139.0	139.9
52.5°	216.9	193.6	169.4	145.7	127.2	117.5	111.8	110.4	108.7	110.4	110.4
55°	187.0	163.7	139.9	117.5	102.1	92.0	86.7	84.9	84.0	85.4	85.4
57.5°	154.5	134.6	112.7	92.4	77.0	70.0	66.0	63.8	63.4	64.2	63.4
60°	126.7	110.0	91.1	72.6	60.7	53.2	50.2	49.3	48.4	49.3	49.3
62.5°	100.3	86.3	70.8	56.8	46.6	41.4	37.8	37.8	37.4	37.4	37.8
65°	74.4	63.4	52.4	40.5	32.6	28.6	26.0	26.0	25.5	26.0	25.5
67.5°	54.1	46.6	37.8	29.5	23.3	21.1	19.4	18.0	18.9	18.0	17.6
70°	39.6	33.4	27.3	22.4	18.0	15.8	14.5	14.1	13.2	13.2	13.2
72.5°	26.4	22.4	18.5	14.5	11.9	9.7	9.2	8.4	7.5	7.9	8.8
75°	17.6	15.0	13.2	10.6	7.9	7.9	5.3	5.3	4.4	5.3	4.0
77.5°	12.3	10.1	7.9	6.6	5.3	4.8	3.5	3.5	3.1	3.1	3.1
80°	8.8	7.5	5.7	4.8	3.5	3.5	3.1	2.6	2.2	2.2	2.6
82.5°	5.3	4.0	4.0	3.5	2.2	1.8	1.3	1.8	0.9	0.9	0.9
85°	3.1	2.6	2.2	1.3	0.9	0.9	0.4	0.0	0.4	0.4	0.0
87.5°	1.8	0.9	0.9	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.9
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°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	906.5	906.0	906.9	906.9	909.6	909.1	910.4	910.4	909.6	910.0	911.7
5°	909.6	910.9	913.5	915.7	919.7	921.4	923.6	925.8	926.3	927.6	928.9
7.5°	909.6	914.0	917.0	921.0	926.3	929.4	934.2	938.2	939.9	942.1	944.7
10°	907.8	912.2	917.9	922.3	928.9	933.8	938.6	944.7	947.4	950.9	954.4
12.5°	904.3	909.1	915.3	921.0	928.5	932.9	939.0	944.7	948.7	953.6	957.5
15°	899.0	904.7	910.4	916.1	924.1	929.4	935.1	941.7	945.6	950.9	954.4
17.5°	890.6	896.8	902.1	907.3	914.8	921.0	926.3	932.4	936.4	940.8	945.6
20°	880.5	886.2	892.0	896.4	903.8	909.1	914.8	920.6	923.6	924.5	932.0
22.5°	867.8	871.7	876.1	883.1	887.6	892.4	897.7	902.9	906.0	910.9	913.5
25°	846.6	850.6	855.4	858.5	863.8	867.8	873.0	878.7	880.5	884.0	886.7
27.5°	817.1	819.3	821.5	824.2	827.3	829.5	832.5	835.2	836.9	838.7	840.5
30°	770.5	770.5	770.5	768.7	770.1	771.4	771.8	771.4	771.4	770.9	770.9
32.5°	708.9	705.4	701.4	697.9	696.6	694.8	693.9	692.6	690.4	689.1	689.5
35°	625.7	617.8	613.0	608.6	605.1	602.4	601.1	599.8	599.3	597.6	595.8
37.5°	521.9	516.2	512.6	510.0	506.9	504.3	504.7	505.2	506.5	505.6	506.0
40°	411.9	410.5	411.9	408.8	407.9	408.8	411.0	414.1	415.8	417.6	420.7
42.5°	313.3	315.5	318.6	318.6	319.9	321.7	324.3	329.2	331.8	334.9	338.4
45°	235.9	238.5	242.5	243.8	244.7	246.9	249.9	253.9	255.7	258.3	261.4
47.5°	181.7	183.5	185.7	187.9	190.1	191.0	194.1	194.1	196.3	198.0	198.9
50°	141.7	143.4	145.2	146.5	147.4	148.7	149.6	150.9	151.4	152.3	152.7
52.5°	110.9	113.1	113.1	114.0	115.3	116.6	116.2	116.6	117.0	117.0	118.4
55°	86.7	86.7	88.0	88.0	88.9	88.4	88.9	88.9	88.9	88.9	89.3
57.5°	64.7	65.1	66.5	65.6	65.1	66.0	65.1	66.0	65.6	66.5	65.1
60°	49.7	49.7	50.2	50.2	50.6	50.6	50.6	50.2	50.2	49.7	49.7
62.5°	37.4	37.8	38.3	37.8	37.8	37.8	37.4	37.4	37.0	36.5	36.5
65°	25.1	24.7	25.5	24.7	25.1	25.1	24.7	25.1	23.8	24.2	23.8
67.5°	18.0	17.6	17.2	17.6	17.2	16.7	16.7	17.2	17.6	16.3	16.3
70°	11.9	12.3	11.9	12.3	12.8	12.8	12.3	11.9	12.3	11.4	11.9
72.5°	7.5	7.5	7.5	7.5	7.5	7.9	7.9	7.9	7.0	7.0	6.6
75°	3.5	4.8	4.0	3.5	4.8	4.8	4.4	4.4	4.0	4.0	4.0
77.5°	3.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.2	2.6	2.2
80°	1.8	1.8	1.8	1.3	1.8	1.8	2.2	1.8	1.8	1.3	2.2
82.5°	0.9	0.9	0.9	0.0	0.4	0.9	0.9	0.4	0.9	0.9	0.4
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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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	911.3	910.9	911.3	911.7	911.3	910.9	911.3	911.7	910.0	909.6	910.4
5°	930.7	930.7	931.5	932.0	931.5	930.7	930.7	928.9	927.6	926.3	925.8
7.5°	947.4	948.3	949.1	949.6	949.1	948.3	947.4	944.7	942.1	939.9	938.2
10°	957.5	958.8	960.6	961.5	960.6	958.8	957.5	954.4	950.9	947.4	944.7
12.5°	961.9	963.2	965.4	965.0	965.4	963.2	961.9	957.5	953.6	948.7	944.7
15°	958.8	960.6	962.8	963.7	962.8	960.6	958.8	954.4	950.9	945.6	941.7
17.5°	949.1	951.8	953.1	954.4	953.1	951.8	949.1	945.6	940.8	936.4	932.4
20°	935.9	937.7	939.5	939.9	939.5	937.7	935.9	932.0	924.5	923.6	920.6
22.5°	917.0	918.4	922.3	921.0	922.3	918.4	917.0	913.5	910.9	906.0	902.9
25°	889.7	891.1	891.5	892.0	891.5	891.1	889.7	886.7	884.0	880.5	878.7
27.5°	842.7	842.7	843.5	844.0	843.5	842.7	842.7	840.5	838.7	836.9	835.2
30°	771.4	771.4	771.4	773.6	771.4	771.4	771.4	770.9	770.9	771.4	771.4
32.5°	689.1	688.2	687.3	688.2	687.3	688.2	689.1	689.5	689.1	690.4	692.6
35°	595.8	595.4	596.7	594.9	596.7	595.4	595.8	595.8	597.6	599.3	599.8
37.5°	506.5	505.6	507.4	505.6	507.4	505.6	506.5	506.0	505.6	506.5	505.2
40°	421.6	422.4	422.4	426.0	422.4	422.4	421.6	420.7	417.6	415.8	414.1
42.5°	340.1	342.8	341.9	344.5	341.9	342.8	340.1	338.4	334.9	331.8	329.2
45°	263.1	264.9	264.9	265.8	264.9	264.9	263.1	261.4	258.3	255.7	253.9
47.5°	202.0	202.0	202.0	202.4	202.0	202.0	202.0	198.9	198.0	196.3	194.1
50°	153.6	154.0	154.5	154.9	154.5	154.0	153.6	152.7	152.3	151.4	150.9
52.5°	117.9	118.4	117.5	118.4	117.5	118.4	117.9	118.4	117.0	117.0	116.6
55°	89.3	88.9	89.3	89.8	89.3	88.9	89.3	89.3	88.9	88.9	88.9
57.5°	65.6	64.7	64.7	64.7	64.7	64.7	65.6	65.1	66.5	65.6	66.0
60°	48.8	49.3	49.3	49.7	49.3	49.3	48.8	49.7	49.7	50.2	50.2
62.5°	36.1	37.4	36.5	37.4	36.5	37.4	36.1	36.5	36.5	37.0	37.4
65°	23.3	23.3	23.3	23.8	23.3	23.3	23.3	23.8	24.2	23.8	25.1
67.5°	15.8	16.3	17.2	16.7	17.2	16.3	15.8	16.3	16.3	17.6	17.2
70°	12.8	11.4	11.4	12.8	11.4	11.4	12.8	11.9	11.4	12.3	11.9
72.5°	7.5	6.6	7.5	7.5	7.5	6.6	7.5	6.6	7.0	7.0	7.9
75°	4.0	3.5	3.1	4.4	3.1	3.5	4.0	4.0	4.0	4.0	4.4
77.5°	2.6	2.2	3.1	3.1	3.1	2.2	2.6	2.2	2.6	2.2	2.6
80°	1.3	1.8	1.3	2.2	1.3	1.8	1.3	2.2	1.3	1.8	1.8
82.5°	0.4	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.9	0.9	0.4
85°	0.0	0.9	0.4	0.4	0.4	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.4	0.0	0.0	0.4	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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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	910.4	909.1	909.6	906.9	906.9	906.0	906.5	904.3	903.4	902.5	903.8
5°	923.6	921.4	919.7	915.7	913.5	910.9	909.6	906.0	902.9	900.3	899.9
7.5°	934.2	929.4	926.3	921.0	917.0	914.0	909.6	904.7	900.8	897.2	894.6
10°	938.6	933.8	928.9	922.3	917.9	912.2	907.8	901.6	896.4	891.5	888.4
12.5°	939.0	932.9	928.5	921.0	915.3	909.1	904.3	897.2	891.1	886.2	881.4
15°	935.1	929.4	924.1	916.1	910.4	904.7	899.0	891.5	885.8	880.1	876.6
17.5°	926.3	921.0	914.8	907.3	902.1	896.8	890.6	884.5	877.9	871.7	867.3
20°	914.8	909.1	903.8	896.4	892.0	886.2	880.5	873.9	868.6	862.5	857.6
22.5°	897.7	892.4	887.6	883.1	876.1	871.7	867.8	860.3	855.0	849.3	844.0
25°	873.0	867.8	863.8	858.5	855.4	850.6	846.6	840.0	835.2	829.9	825.5
27.5°	832.5	829.5	827.3	824.2	821.5	819.3	817.1	811.9	808.3	803.5	799.1
30°	771.8	771.4	770.1	768.7	770.5	770.5	770.5	769.6	766.5	763.0	759.9
32.5°	693.9	694.8	696.6	697.9	701.4	705.4	708.9	710.6	710.6	708.5	707.1
35°	601.1	602.4	605.1	608.6	613.0	617.8	625.7	627.5	628.8	628.8	627.0
37.5°	504.7	504.3	506.9	510.0	512.6	516.2	521.9	523.2	525.4	524.5	522.8
40°	411.0	408.8	407.9	408.8	411.9	410.5	411.9	411.0	411.0	407.9	407.9
42.5°	324.3	321.7	319.9	318.6	318.6	315.5	313.3	311.1	309.8	307.6	307.1
45°	249.9	246.9	244.7	243.8	242.5	238.5	235.9	233.2	230.1	229.3	229.7
47.5°	194.1	191.0	190.1	187.9	185.7	183.5	181.7	178.7	178.2	176.4	178.2
50°	149.6	148.7	147.4	146.5	145.2	143.4	141.7	139.9	139.0	139.0	139.5
52.5°	116.2	116.6	115.3	114.0	113.1	113.1	110.9	110.4	110.4	108.7	110.4
55°	88.9	88.4	88.9	88.0	88.0	86.7	86.7	85.4	85.4	84.0	84.9
57.5°	65.1	66.0	65.1	65.6	66.5	65.1	64.7	63.4	64.2	63.4	63.8
60°	50.6	50.6	50.6	50.2	50.2	49.7	49.7	49.3	49.3	48.4	49.3
62.5°	37.4	37.8	37.8	37.8	38.3	37.8	37.4	37.8	37.4	37.4	37.8
65°	24.7	25.1	25.1	24.7	25.5	24.7	25.1	25.5	26.0	25.5	26.0
67.5°	16.7	16.7	17.2	17.6	17.2	17.6	18.0	17.6	18.0	18.9	18.0
70°	12.3	12.8	12.8	12.3	11.9	12.3	11.9	13.2	13.2	13.2	14.1
72.5°	7.9	7.9	7.5	7.5	7.5	7.5	7.5	8.8	7.9	7.5	8.4
75°	4.4	4.8	4.8	3.5	4.0	4.8	3.5	4.0	5.3	4.4	5.3
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.1	3.1	3.1	3.5
80°	2.2	1.8	1.8	1.3	1.8	1.8	1.8	2.6	2.2	2.2	2.6
82.5°	0.9	0.9	0.4	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	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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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	900.3	900.3	899.9	899.0	897.2	897.2	896.8	895.5	894.6	894.1	894.1
5°	895.9	894.1	892.4	887.6	887.6	886.7	884.0	882.3	881.4	879.2	878.3
7.5°	892.0	886.7	883.6	880.5	876.6	874.8	871.7	870.4	867.3	865.1	863.8
10°	882.3	878.7	874.8	869.9	866.9	863.4	859.8	857.2	853.2	851.0	849.3
12.5°	875.7	870.4	866.9	861.6	856.3	853.2	848.4	845.3	841.3	836.9	834.3
15°	869.5	863.8	859.0	853.2	847.5	844.0	838.3	834.8	829.0	824.6	821.5
17.5°	860.3	855.4	850.1	843.1	837.8	833.4	827.3	822.9	817.6	811.9	808.8
20°	850.6	844.9	839.6	832.5	827.3	822.0	815.8	811.0	804.8	799.5	796.0
22.5°	837.8	831.2	826.8	819.8	813.6	807.9	802.2	796.5	790.7	786.3	782.4
25°	819.3	812.3	807.5	801.7	796.0	791.6	784.6	781.1	775.3	771.4	767.4
27.5°	792.9	787.7	783.3	777.5	772.7	769.2	763.9	760.4	755.5	752.0	748.9
30°	754.2	749.8	745.9	740.1	736.6	733.5	728.7	725.6	722.1	718.1	717.3
32.5°	702.3	698.8	694.8	690.9	688.2	686.5	682.5	680.7	677.2	675.0	672.8
35°	624.0	620.9	618.7	616.9	616.0	616.5	615.6	617.4	618.2	617.8	618.2
37.5°	521.4	519.7	520.6	521.9	526.3	532.0	537.3	545.2	550.5	555.8	560.6
40°	407.0	408.4	411.9	419.8	431.2	444.0	455.9	470.8	485.8	496.4	506.0
42.5°	307.1	311.1	319.9	331.3	348.5	367.4	385.9	407.9	426.0	443.5	455.9
45°	231.0	236.3	247.7	263.6	282.5	304.5	327.8	352.5	374.0	392.1	405.7
47.5°	180.0	184.8	196.3	213.0	236.3	259.2	283.4	308.9	331.3	348.9	360.8
50°	142.1	148.3	158.4	176.0	199.3	223.5	248.6	273.7	294.8	309.8	320.3
52.5°	111.8	117.5	127.2	145.7	169.4	193.6	216.9	241.6	260.1	274.6	281.6
55°	86.7	92.0	102.1	117.5	139.9	163.7	187.0	208.1	225.3	235.9	242.5
57.5°	66.0	70.0	77.0	92.4	112.7	134.6	154.5	175.6	188.8	196.3	200.6
60°	50.2	53.2	60.7	72.6	91.1	110.0	126.7	142.6	153.1	159.3	163.7
62.5°	37.8	41.4	46.6	56.8	70.8	86.3	100.3	112.2	121.0	125.0	128.1
65°	26.0	28.6	32.6	40.5	52.4	63.4	74.4	83.2	88.9	93.3	95.1
67.5°	19.4	21.1	23.3	29.5	37.8	46.6	54.1	60.3	66.5	68.2	71.3
70°	14.5	15.8	18.0	22.4	27.3	33.4	39.6	43.1	47.5	50.6	51.5
72.5°	9.2	9.7	11.9	14.5	18.5	22.4	26.4	29.5	32.1	33.9	34.8
75°	5.3	7.9	7.9	10.6	13.2	15.0	17.6	19.8	21.1	22.4	22.4
77.5°	3.5	4.8	5.3	6.6	7.9	10.1	12.3	13.6	15.0	15.4	15.4
80°	3.1	3.5	3.5	4.8	5.7	7.5	8.8	9.2	10.1	10.6	11.4
82.5°	1.3	1.8	2.2	3.5	4.0	4.0	5.3	5.7	6.6	7.0	7.0
85°	0.4	0.9	0.9	1.3	2.2	2.6	3.1	3.5	4.0	4.0	4.4
87.5°	0.4	0.4	0.0	0.4	0.9	0.9	1.8	1.8	1.8	2.6	2.6
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: P245977

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	893.3	893.7	892.0	891.5	890.6	891.1	892.0
5°	877.0	877.4	875.7	873.9	873.9	873.5	873.9
7.5°	861.6	862.0	859.4	858.5	856.7	857.2	857.2
10°	846.2	846.2	842.2	841.8	840.5	840.0	840.0
12.5°	831.2	829.9	826.8	825.1	826.0	823.3	823.3
15°	818.0	815.8	811.9	810.5	808.3	807.5	807.5
17.5°	804.4	802.6	799.1	796.5	793.8	793.4	793.8
20°	791.2	789.4	785.0	783.3	781.1	781.1	780.2
22.5°	778.0	776.2	772.3	770.9	767.9	767.9	768.3
25°	764.3	763.0	758.6	757.7	757.3	755.5	756.4
27.5°	745.9	745.0	741.5	740.1	738.4	737.9	738.8
30°	712.0	710.6	708.0	706.7	703.6	704.1	704.9
32.5°	669.7	668.0	664.4	663.1	660.5	659.6	660.0
35°	616.9	615.6	612.5	612.5	609.9	609.0	609.9
37.5°	563.3	564.6	563.3	564.6	563.3	562.8	563.3
40°	512.6	517.5	518.4	523.2	521.4	524.1	523.6
42.5°	464.2	472.1	475.2	479.2	478.3	480.1	481.4
45°	415.4	422.0	425.1	427.7	428.2	429.0	429.5
47.5°	369.2	374.5	374.9	378.0	377.5	377.5	378.9
50°	326.1	329.6	330.5	332.7	330.9	330.0	330.5
52.5°	286.0	289.5	288.7	289.5	287.3	286.5	286.9
55°	245.1	246.9	246.9	246.9	244.2	244.2	244.2
57.5°	203.3	203.7	202.9	203.3	202.9	200.2	199.8
60°	165.0	165.0	164.6	165.0	163.7	162.4	162.4
62.5°	128.9	129.8	131.6	129.8	128.9	129.8	128.5
65°	96.4	98.1	97.7	98.6	98.1	98.1	97.2
67.5°	72.6	73.0	73.5	73.9	73.9	73.9	73.9
70°	53.2	54.6	54.1	54.1	54.1	54.1	56.8
72.5°	35.6	37.4	37.0	37.8	37.8	38.7	37.8
75°	24.2	26.0	25.1	26.4	26.0	25.1	27.3
77.5°	16.3	17.2	17.6	18.0	17.6	17.2	17.6
80°	11.4	12.3	11.9	12.3	12.3	12.3	12.8
82.5°	7.0	8.4	7.9	8.4	7.9	8.4	8.4
85°	4.8	5.3	4.4	5.3	4.8	4.8	5.7
87.5°	3.1	2.6	2.6	3.1	2.6	3.1	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)