

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: P245971

Luminaire Tested: **LSR8B15D010 EC8B15835 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245971
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: LSR8B15D010 EC8B15835 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1528.0 lumens
Efficiency: N/A
Efficacy: 106.1 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

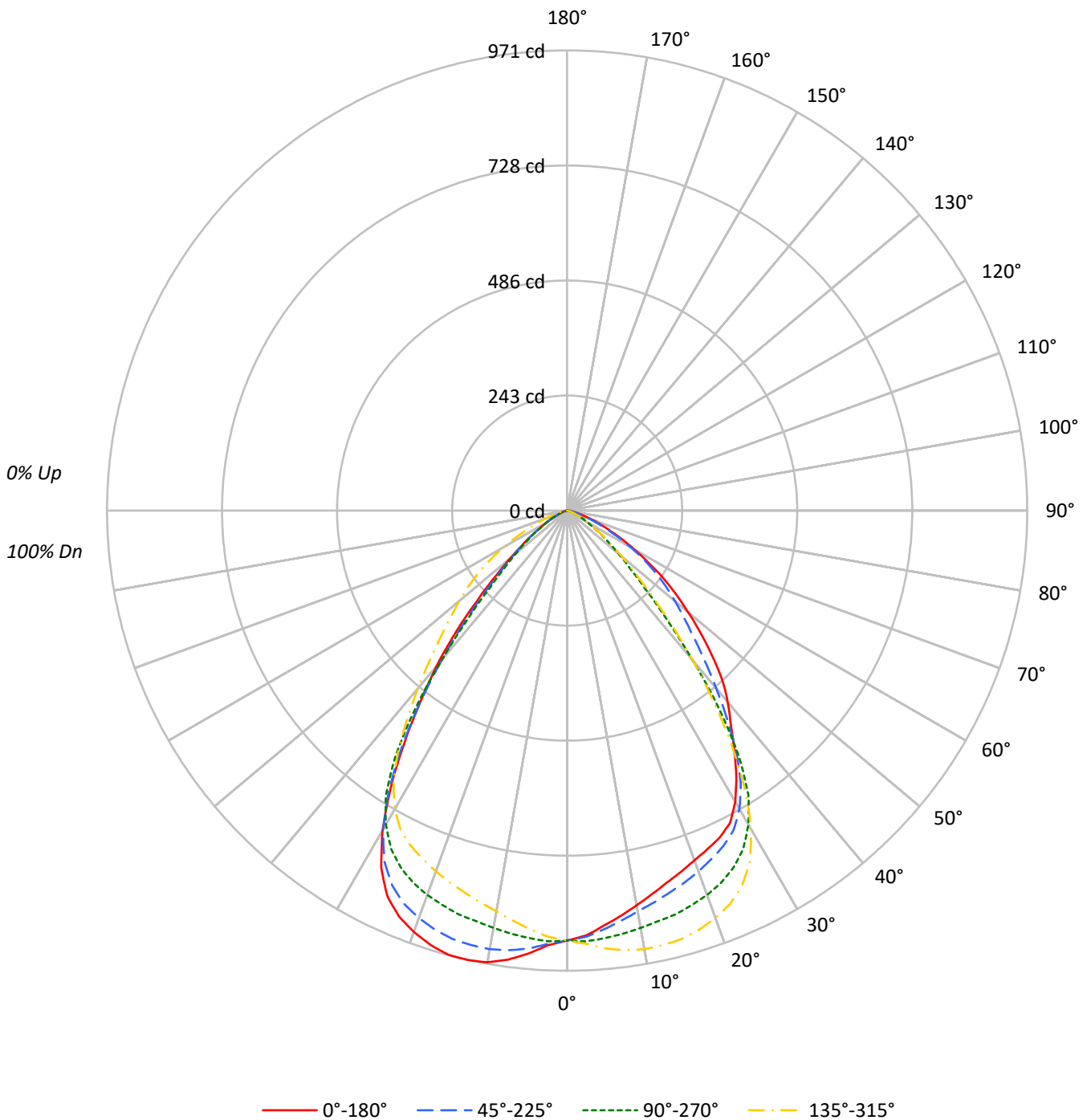
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	27972	27972	27972	27972
5°	27230	28038	29038	28038
10°	26477	28002	30304	28002
15°	25948	28167	30966	28167
20°	25770	28329	31047	28329
25°	25906	28271	30547	28271
30°	25267	27236	27727	27236
35°	23110	23761	22541	23761
40°	21218	16528	17261	16528
45°	18852	10082	11665	10082
50°	15956	6735	7479	6735
55°	13215	4597	4860	4597
60°	10077	3059	3084	3059
65°	7143	1904	1744	1904
70°	5148	1280	1163	1280
75°	3276	631	524	631
80°	2291	479	391	479
85°	2052	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	5.7
10°-20°	250.0	16.4
20°-30°	378.6	24.8
30°-40°	379.4	24.8
40°-50°	238.3	15.6
50°-60°	127.0	8.3
60°-70°	52.2	3.4
70°-80°	13.8	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°	715.0	46.8
0°-40°	1094.4	71.6
0°-60°	1459.7	95.5
0°-90°	1528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1528.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	907	907	907	907	907	
5°	880	906	938	906	880	83
15°	813	882	970	882	813	230
25°	761	831	898	831	761	349
35°	614	631	599	631	614	385
45°	432	231	268	231	432	332
55°	246	86	90	86	246	219
65°	98	26	24	26	98	102
75°	28	5	4	5	28	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°	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1
2.5°	897.8	896.9	896.5	897.4	897.8	899.6	899.2	900.0	900.0	900.5	901.4
5°	879.7	879.2	879.7	879.7	881.4	883.2	882.8	884.1	885.0	887.2	888.1
7.5°	862.8	862.8	862.4	864.2	865.0	867.7	867.3	869.5	870.8	873.0	876.1
10°	845.6	845.6	846.0	847.3	847.8	851.8	851.8	854.9	856.6	858.8	862.8
12.5°	828.7	828.7	831.4	830.5	832.3	835.4	836.7	839.8	842.5	846.9	850.9
15°	812.8	812.8	813.7	815.9	817.2	821.2	823.4	827.0	830.1	834.5	840.3
17.5°	799.0	798.6	799.0	801.7	804.4	807.9	809.7	814.1	817.2	823.0	828.3
20°	785.3	786.2	786.2	788.4	790.2	794.6	796.4	801.3	804.8	810.1	816.3
22.5°	773.4	772.9	772.9	776.0	777.4	781.3	783.1	787.5	791.5	795.9	801.7
25°	761.4	760.5	762.3	762.7	763.6	768.0	769.4	772.5	776.5	780.5	786.2
27.5°	743.7	742.8	743.2	745.0	746.3	749.9	750.8	753.9	757.0	760.5	765.4
30°	709.6	708.7	708.3	711.4	712.7	715.3	716.7	722.0	722.9	726.9	730.4
32.5°	664.4	664.0	664.8	667.5	668.8	672.4	674.1	677.2	679.5	681.7	685.2
35°	613.9	613.0	613.9	616.6	616.6	619.7	621.0	622.3	621.9	622.3	621.4
37.5°	567.0	566.5	567.0	568.3	567.0	568.3	567.0	564.3	559.4	554.1	548.8
40°	527.1	527.5	524.9	526.7	521.8	520.9	516.0	509.4	499.6	489.0	473.9
42.5°	484.6	483.2	481.5	482.4	478.4	475.3	467.3	458.9	446.5	428.8	410.6
45°	432.3	431.9	431.0	430.5	427.9	424.8	418.1	408.4	394.7	376.5	354.8
47.5°	381.4	380.0	380.0	380.5	377.4	376.9	371.6	363.2	351.2	333.5	310.9
50°	332.6	332.2	333.1	334.9	332.6	331.8	328.2	322.5	311.8	296.8	275.5
52.5°	288.8	288.3	289.2	291.4	290.6	291.4	287.9	283.5	276.4	261.8	243.2
55°	245.8	245.8	245.8	248.5	248.5	248.5	246.7	244.1	237.4	226.8	209.5
57.5°	201.1	201.5	204.2	204.6	204.2	205.1	204.6	202.0	197.6	190.0	176.7
60°	163.4	163.4	164.8	166.1	165.7	166.1	166.1	164.8	160.3	154.1	143.5
62.5°	129.3	130.7	129.8	130.7	132.4	130.7	129.8	128.9	125.8	121.8	112.9
65°	97.9	98.8	98.8	99.2	98.3	98.8	97.0	95.7	93.9	89.5	83.7
67.5°	74.4	74.4	74.4	74.4	74.0	73.5	73.1	71.8	68.7	66.9	60.7
70°	57.1	54.5	54.5	54.5	54.5	54.9	53.6	51.8	50.9	47.8	43.4
72.5°	38.1	39.0	38.1	38.1	37.2	37.6	35.9	35.0	34.1	32.3	29.7
75°	27.5	25.3	26.1	26.6	25.3	26.1	24.4	22.6	22.6	21.3	19.9
77.5°	17.7	17.3	17.7	18.2	17.7	17.3	16.4	15.5	15.5	15.1	13.7
80°	12.9	12.4	12.4	12.4	12.0	12.4	11.5	11.5	10.6	10.2	9.3
82.5°	8.4	8.4	8.0	8.4	8.0	8.4	7.1	7.1	7.1	6.6	5.8
85°	5.8	4.9	4.9	5.3	4.4	5.3	4.9	4.4	4.0	4.0	3.5
87.5°	2.7	3.1	2.7	3.1	2.7	2.7	3.1	2.7	2.7	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°	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1
2.5°	902.7	903.1	903.1	904.9	905.8	906.2	906.2	909.8	908.5	909.3	910.2
5°	889.9	892.5	893.4	893.4	898.3	900.0	901.8	905.8	906.2	908.9	912.0
7.5°	877.4	880.5	882.3	886.3	889.4	892.5	897.8	900.5	903.1	906.7	910.7
10°	865.5	869.0	872.6	875.7	880.5	884.5	888.1	894.3	897.4	902.3	907.6
12.5°	854.0	858.8	861.9	867.3	872.6	876.1	881.4	887.2	892.1	896.9	903.1
15°	843.8	849.6	853.1	858.8	864.6	869.5	875.2	882.3	885.9	891.6	897.4
17.5°	832.7	838.9	843.4	848.7	855.7	861.1	865.9	873.0	877.4	883.6	890.3
20°	821.2	827.4	832.7	838.0	845.1	850.4	856.2	863.3	868.1	874.3	879.7
22.5°	807.5	813.2	819.0	825.2	832.3	836.7	843.4	849.6	854.9	860.6	865.9
25°	789.8	796.8	801.3	807.0	812.8	817.6	824.7	830.9	835.4	840.7	845.6
27.5°	768.9	774.3	777.8	782.7	788.4	792.9	798.2	804.4	808.8	813.7	817.2
30°	733.5	738.4	741.5	745.0	750.8	754.8	759.2	764.9	768.0	771.6	774.7
32.5°	687.0	691.0	692.7	695.4	699.4	703.4	706.9	711.8	713.1	715.3	715.3
35°	619.7	620.5	620.1	621.0	622.8	625.0	628.1	631.2	632.9	632.9	631.6
37.5°	540.8	535.5	529.8	525.3	524.0	523.1	524.9	526.2	528.0	528.9	526.7
40°	458.9	446.9	434.1	422.6	414.6	411.0	409.7	410.6	410.6	413.7	413.7
42.5°	388.5	369.8	350.8	333.5	322.0	313.2	309.2	309.2	309.6	311.8	313.2
45°	330.0	306.5	284.4	265.3	249.4	237.8	232.5	231.2	230.8	231.6	234.7
47.5°	285.2	260.9	237.8	214.4	197.6	186.0	181.2	179.4	177.6	179.4	179.8
50°	250.3	225.0	200.7	177.2	159.5	149.3	143.1	140.4	140.0	140.0	140.9
52.5°	218.4	194.9	170.5	146.6	128.0	118.3	112.5	111.2	109.4	111.2	111.2
55°	188.2	164.8	140.9	118.3	102.8	92.6	87.3	85.5	84.6	85.9	85.9
57.5°	155.5	135.5	113.4	93.0	77.5	70.4	66.4	64.2	63.8	64.7	63.8
60°	127.6	110.7	91.7	73.1	61.1	53.6	50.5	49.6	48.7	49.6	49.6
62.5°	101.0	86.8	71.3	57.1	46.9	41.6	38.1	38.1	37.6	37.6	38.1
65°	74.9	63.8	52.7	40.7	32.8	28.8	26.1	26.1	25.7	26.1	25.7
67.5°	54.5	46.9	38.1	29.7	23.5	21.3	19.5	18.2	19.1	18.2	17.7
70°	39.9	33.7	27.5	22.6	18.2	16.0	14.6	14.2	13.3	13.3	13.3
72.5°	26.6	22.6	18.6	14.6	12.0	9.7	9.3	8.4	7.5	8.0	8.9
75°	17.7	15.1	13.3	10.6	8.0	8.0	5.3	5.3	4.4	5.3	4.0
77.5°	12.4	10.2	8.0	6.6	5.3	4.9	3.5	3.5	3.1	3.1	3.1
80°	8.9	7.5	5.8	4.9	3.5	3.5	3.1	2.7	2.2	2.2	2.7
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	2.7	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°	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1
2.5°	912.4	912.0	912.9	912.9	915.5	915.1	916.4	916.4	915.5	916.0	917.8
5°	915.5	916.9	919.5	921.7	925.7	927.5	929.7	931.9	932.4	933.7	935.0
7.5°	915.5	920.0	923.1	927.1	932.4	935.5	940.3	944.3	946.1	948.3	951.0
10°	913.8	918.2	924.0	928.4	935.0	939.9	944.8	951.0	953.6	957.2	960.7
12.5°	910.2	915.1	921.3	927.1	934.6	939.0	945.2	951.0	955.0	959.8	963.8
15°	904.9	910.7	916.4	922.2	930.2	935.5	941.2	947.9	951.9	957.2	960.7
17.5°	896.5	902.7	908.0	913.3	920.9	927.1	932.4	938.6	942.6	947.0	951.9
20°	886.3	892.1	897.8	902.3	909.8	915.1	920.9	926.6	929.7	930.6	938.1
22.5°	873.5	877.4	881.9	889.0	893.4	898.3	903.6	908.9	912.0	916.9	919.5
25°	852.2	856.2	861.1	864.2	869.5	873.5	878.8	884.5	886.3	889.9	892.5
27.5°	822.5	824.7	827.0	829.6	832.7	834.9	838.0	840.7	842.5	844.2	846.0
30°	775.6	775.6	775.6	773.8	775.1	776.5	776.9	776.5	776.5	776.0	776.0
32.5°	713.6	710.0	706.0	702.5	701.2	699.4	698.5	697.2	695.0	693.6	694.1
35°	629.8	621.9	617.0	612.6	609.0	606.4	605.0	603.7	603.3	601.5	599.7
37.5°	525.3	519.6	516.0	513.4	510.3	507.6	508.0	508.5	509.8	508.9	509.4
40°	414.6	413.3	414.6	411.5	410.6	411.5	413.7	416.8	418.6	420.3	423.4
42.5°	315.4	317.6	320.7	320.7	322.0	323.8	326.4	331.3	334.0	337.1	340.6
45°	237.4	240.1	244.1	245.4	246.3	248.5	251.6	255.6	257.3	260.0	263.1
47.5°	182.9	184.7	186.9	189.1	191.3	192.2	195.3	195.3	197.6	199.3	200.2
50°	142.6	144.4	146.2	147.5	148.4	149.7	150.6	151.9	152.4	153.3	153.7
52.5°	111.6	113.8	113.8	114.7	116.0	117.4	116.9	117.4	117.8	117.8	119.1
55°	87.3	87.3	88.6	88.6	89.5	89.0	89.5	89.5	89.5	89.5	89.9
57.5°	65.1	65.6	66.9	66.0	65.6	66.4	65.6	66.4	66.0	66.9	65.6
60°	50.0	50.0	50.5	50.5	50.9	50.9	50.9	50.5	50.5	50.0	50.0
62.5°	37.6	38.1	38.5	38.1	38.1	38.1	37.6	37.6	37.2	36.8	36.8
65°	25.3	24.8	25.7	24.8	25.3	25.3	24.8	25.3	23.9	24.4	23.9
67.5°	18.2	17.7	17.3	17.7	17.3	16.8	16.8	17.3	17.7	16.4	16.4
70°	12.0	12.4	12.0	12.4	12.9	12.9	12.4	12.0	12.4	11.5	12.0
72.5°	7.5	7.5	7.5	7.5	7.5	8.0	8.0	8.0	7.1	7.1	6.6
75°	3.5	4.9	4.0	3.5	4.9	4.9	4.4	4.4	4.0	4.0	4.0
77.5°	3.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.2	2.7	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°	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1
2.5°	917.3	916.9	917.3	917.8	917.3	916.9	917.3	917.8	916.0	915.5	916.4
5°	936.8	936.8	937.7	938.1	937.7	936.8	936.8	935.0	933.7	932.4	931.9
7.5°	953.6	954.5	955.4	955.8	955.4	954.5	953.6	951.0	948.3	946.1	944.3
10°	963.8	965.2	966.9	967.8	966.9	965.2	963.8	960.7	957.2	953.6	951.0
12.5°	968.3	969.6	971.8	971.4	971.8	969.6	968.3	963.8	959.8	955.0	951.0
15°	965.2	966.9	969.1	970.0	969.1	966.9	965.2	960.7	957.2	951.9	947.9
17.5°	955.4	958.1	959.4	960.7	959.4	958.1	955.4	951.9	947.0	942.6	938.6
20°	942.1	943.9	945.7	946.1	945.7	943.9	942.1	938.1	930.6	929.7	926.6
22.5°	923.1	924.4	928.4	927.1	928.4	924.4	923.1	919.5	916.9	912.0	908.9
25°	895.6	896.9	897.4	897.8	897.4	896.9	895.6	892.5	889.9	886.3	884.5
27.5°	848.2	848.2	849.1	849.6	849.1	848.2	848.2	846.0	844.2	842.5	840.7
30°	776.5	776.5	776.5	778.7	776.5	776.5	776.5	776.0	776.0	776.5	776.5
32.5°	693.6	692.7	691.9	692.7	691.9	692.7	693.6	694.1	693.6	695.0	697.2
35°	599.7	599.3	600.6	598.8	600.6	599.3	599.7	599.7	601.5	603.3	603.7
37.5°	509.8	508.9	510.7	508.9	510.7	508.9	509.8	509.4	508.9	509.8	508.5
40°	424.3	425.2	425.2	428.8	425.2	425.2	424.3	423.4	420.3	418.6	416.8
42.5°	342.4	345.0	344.2	346.8	344.2	345.0	342.4	340.6	337.1	334.0	331.3
45°	264.9	266.7	266.7	267.5	266.7	266.7	264.9	263.1	260.0	257.3	255.6
47.5°	203.3	203.3	203.3	203.8	203.3	203.3	203.3	200.2	199.3	197.6	195.3
50°	154.6	155.0	155.5	155.9	155.5	155.0	154.6	153.7	153.3	152.4	151.9
52.5°	118.7	119.1	118.3	119.1	118.3	119.1	118.7	119.1	117.8	117.8	117.4
55°	89.9	89.5	89.9	90.4	89.9	89.5	89.9	89.9	89.5	89.5	89.5
57.5°	66.0	65.1	65.1	65.1	65.1	65.1	66.0	65.6	66.9	66.0	66.4
60°	49.2	49.6	49.6	50.0	49.6	49.6	49.2	50.0	50.0	50.5	50.5
62.5°	36.3	37.6	36.8	37.6	36.8	37.6	36.3	36.8	36.8	37.2	37.6
65°	23.5	23.5	23.5	23.9	23.5	23.5	23.5	23.9	24.4	23.9	25.3
67.5°	16.0	16.4	17.3	16.8	17.3	16.4	16.0	16.4	16.4	17.7	17.3
70°	12.9	11.5	11.5	12.9	11.5	11.5	12.9	12.0	11.5	12.4	12.0
72.5°	7.5	6.6	7.5	7.5	7.5	6.6	7.5	6.6	7.1	7.1	8.0
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°	2.7	2.2	3.1	3.1	3.1	2.2	2.7	2.2	2.7	2.2	2.7
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°	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1
2.5°	916.4	915.1	915.5	912.9	912.9	912.0	912.4	910.2	909.3	908.5	909.8
5°	929.7	927.5	925.7	921.7	919.5	916.9	915.5	912.0	908.9	906.2	905.8
7.5°	940.3	935.5	932.4	927.1	923.1	920.0	915.5	910.7	906.7	903.1	900.5
10°	944.8	939.9	935.0	928.4	924.0	918.2	913.8	907.6	902.3	897.4	894.3
12.5°	945.2	939.0	934.6	927.1	921.3	915.1	910.2	903.1	896.9	892.1	887.2
15°	941.2	935.5	930.2	922.2	916.4	910.7	904.9	897.4	891.6	885.9	882.3
17.5°	932.4	927.1	920.9	913.3	908.0	902.7	896.5	890.3	883.6	877.4	873.0
20°	920.9	915.1	909.8	902.3	897.8	892.1	886.3	879.7	874.3	868.1	863.3
22.5°	903.6	898.3	893.4	889.0	881.9	877.4	873.5	865.9	860.6	854.9	849.6
25°	878.8	873.5	869.5	864.2	861.1	856.2	852.2	845.6	840.7	835.4	830.9
27.5°	838.0	834.9	832.7	829.6	827.0	824.7	822.5	817.2	813.7	808.8	804.4
30°	776.9	776.5	775.1	773.8	775.6	775.6	775.6	774.7	771.6	768.0	764.9
32.5°	698.5	699.4	701.2	702.5	706.0	710.0	713.6	715.3	715.3	713.1	711.8
35°	605.0	606.4	609.0	612.6	617.0	621.9	629.8	631.6	632.9	632.9	631.2
37.5°	508.0	507.6	510.3	513.4	516.0	519.6	525.3	526.7	528.9	528.0	526.2
40°	413.7	411.5	410.6	411.5	414.6	413.3	414.6	413.7	413.7	410.6	410.6
42.5°	326.4	323.8	322.0	320.7	320.7	317.6	315.4	313.2	311.8	309.6	309.2
45°	251.6	248.5	246.3	245.4	244.1	240.1	237.4	234.7	231.6	230.8	231.2
47.5°	195.3	192.2	191.3	189.1	186.9	184.7	182.9	179.8	179.4	177.6	179.4
50°	150.6	149.7	148.4	147.5	146.2	144.4	142.6	140.9	140.0	140.0	140.4
52.5°	116.9	117.4	116.0	114.7	113.8	113.8	111.6	111.2	111.2	109.4	111.2
55°	89.5	89.0	89.5	88.6	88.6	87.3	87.3	85.9	85.9	84.6	85.5
57.5°	65.6	66.4	65.6	66.0	66.9	65.6	65.1	63.8	64.7	63.8	64.2
60°	50.9	50.9	50.9	50.5	50.5	50.0	50.0	49.6	49.6	48.7	49.6
62.5°	37.6	38.1	38.1	38.1	38.5	38.1	37.6	38.1	37.6	37.6	38.1
65°	24.8	25.3	25.3	24.8	25.7	24.8	25.3	25.7	26.1	25.7	26.1
67.5°	16.8	16.8	17.3	17.7	17.3	17.7	18.2	17.7	18.2	19.1	18.2
70°	12.4	12.9	12.9	12.4	12.0	12.4	12.0	13.3	13.3	13.3	14.2
72.5°	8.0	8.0	7.5	7.5	7.5	7.5	7.5	8.9	8.0	7.5	8.4
75°	4.4	4.9	4.9	3.5	4.0	4.9	3.5	4.0	5.3	4.4	5.3
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	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	2.7	2.2	2.2	2.7
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°	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1
2.5°	906.2	906.2	905.8	904.9	903.1	903.1	902.7	901.4	900.5	900.0	900.0
5°	901.8	900.0	898.3	893.4	893.4	892.5	889.9	888.1	887.2	885.0	884.1
7.5°	897.8	892.5	889.4	886.3	882.3	880.5	877.4	876.1	873.0	870.8	869.5
10°	888.1	884.5	880.5	875.7	872.6	869.0	865.5	862.8	858.8	856.6	854.9
12.5°	881.4	876.1	872.6	867.3	861.9	858.8	854.0	850.9	846.9	842.5	839.8
15°	875.2	869.5	864.6	858.8	853.1	849.6	843.8	840.3	834.5	830.1	827.0
17.5°	865.9	861.1	855.7	848.7	843.4	838.9	832.7	828.3	823.0	817.2	814.1
20°	856.2	850.4	845.1	838.0	832.7	827.4	821.2	816.3	810.1	804.8	801.3
22.5°	843.4	836.7	832.3	825.2	819.0	813.2	807.5	801.7	795.9	791.5	787.5
25°	824.7	817.6	812.8	807.0	801.3	796.8	789.8	786.2	780.5	776.5	772.5
27.5°	798.2	792.9	788.4	782.7	777.8	774.3	768.9	765.4	760.5	757.0	753.9
30°	759.2	754.8	750.8	745.0	741.5	738.4	733.5	730.4	726.9	722.9	722.0
32.5°	706.9	703.4	699.4	695.4	692.7	691.0	687.0	685.2	681.7	679.5	677.2
35°	628.1	625.0	622.8	621.0	620.1	620.5	619.7	621.4	622.3	621.9	622.3
37.5°	524.9	523.1	524.0	525.3	529.8	535.5	540.8	548.8	554.1	559.4	564.3
40°	409.7	411.0	414.6	422.6	434.1	446.9	458.9	473.9	489.0	499.6	509.4
42.5°	309.2	313.2	322.0	333.5	350.8	369.8	388.5	410.6	428.8	446.5	458.9
45°	232.5	237.8	249.4	265.3	284.4	306.5	330.0	354.8	376.5	394.7	408.4
47.5°	181.2	186.0	197.6	214.4	237.8	260.9	285.2	310.9	333.5	351.2	363.2
50°	143.1	149.3	159.5	177.2	200.7	225.0	250.3	275.5	296.8	311.8	322.5
52.5°	112.5	118.3	128.0	146.6	170.5	194.9	218.4	243.2	261.8	276.4	283.5
55°	87.3	92.6	102.8	118.3	140.9	164.8	188.2	209.5	226.8	237.4	244.1
57.5°	66.4	70.4	77.5	93.0	113.4	135.5	155.5	176.7	190.0	197.6	202.0
60°	50.5	53.6	61.1	73.1	91.7	110.7	127.6	143.5	154.1	160.3	164.8
62.5°	38.1	41.6	46.9	57.1	71.3	86.8	101.0	112.9	121.8	125.8	128.9
65°	26.1	28.8	32.8	40.7	52.7	63.8	74.9	83.7	89.5	93.9	95.7
67.5°	19.5	21.3	23.5	29.7	38.1	46.9	54.5	60.7	66.9	68.7	71.8
70°	14.6	16.0	18.2	22.6	27.5	33.7	39.9	43.4	47.8	50.9	51.8
72.5°	9.3	9.7	12.0	14.6	18.6	22.6	26.6	29.7	32.3	34.1	35.0
75°	5.3	8.0	8.0	10.6	13.3	15.1	17.7	19.9	21.3	22.6	22.6
77.5°	3.5	4.9	5.3	6.6	8.0	10.2	12.4	13.7	15.1	15.5	15.5
80°	3.1	3.5	3.5	4.9	5.8	7.5	8.9	9.3	10.2	10.6	11.5
82.5°	1.3	1.8	2.2	3.5	4.0	4.0	5.3	5.8	6.6	7.1	7.1
85°	0.4	0.9	0.9	1.3	2.2	2.7	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	2.7	2.7
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: P245971

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	907.1	907.1	907.1	907.1	907.1	907.1	907.1
2.5°	899.2	899.6	897.8	897.4	896.5	896.9	897.8
5°	882.8	883.2	881.4	879.7	879.7	879.2	879.7
7.5°	867.3	867.7	865.0	864.2	862.4	862.8	862.8
10°	851.8	851.8	847.8	847.3	846.0	845.6	845.6
12.5°	836.7	835.4	832.3	830.5	831.4	828.7	828.7
15°	823.4	821.2	817.2	815.9	813.7	812.8	812.8
17.5°	809.7	807.9	804.4	801.7	799.0	798.6	799.0
20°	796.4	794.6	790.2	788.4	786.2	786.2	785.3
22.5°	783.1	781.3	777.4	776.0	772.9	772.9	773.4
25°	769.4	768.0	763.6	762.7	762.3	760.5	761.4
27.5°	750.8	749.9	746.3	745.0	743.2	742.8	743.7
30°	716.7	715.3	712.7	711.4	708.3	708.7	709.6
32.5°	674.1	672.4	668.8	667.5	664.8	664.0	664.4
35°	621.0	619.7	616.6	616.6	613.9	613.0	613.9
37.5°	567.0	568.3	567.0	568.3	567.0	566.5	567.0
40°	516.0	520.9	521.8	526.7	524.9	527.5	527.1
42.5°	467.3	475.3	478.4	482.4	481.5	483.2	484.6
45°	418.1	424.8	427.9	430.5	431.0	431.9	432.3
47.5°	371.6	376.9	377.4	380.5	380.0	380.0	381.4
50°	328.2	331.8	332.6	334.9	333.1	332.2	332.6
52.5°	287.9	291.4	290.6	291.4	289.2	288.3	288.8
55°	246.7	248.5	248.5	248.5	245.8	245.8	245.8
57.5°	204.6	205.1	204.2	204.6	204.2	201.5	201.1
60°	166.1	166.1	165.7	166.1	164.8	163.4	163.4
62.5°	129.8	130.7	132.4	130.7	129.8	130.7	129.3
65°	97.0	98.8	98.3	99.2	98.8	98.8	97.9
67.5°	73.1	73.5	74.0	74.4	74.4	74.4	74.4
70°	53.6	54.9	54.5	54.5	54.5	54.5	57.1
72.5°	35.9	37.6	37.2	38.1	38.1	39.0	38.1
75°	24.4	26.1	25.3	26.6	26.1	25.3	27.5
77.5°	16.4	17.3	17.7	18.2	17.7	17.3	17.7
80°	11.5	12.4	12.0	12.4	12.4	12.4	12.9
82.5°	7.1	8.4	8.0	8.4	8.0	8.4	8.4
85°	4.9	5.3	4.4	5.3	4.9	4.9	5.8
87.5°	3.1	2.7	2.7	3.1	2.7	3.1	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)