

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: P245965

Luminaire Tested: **LSR8B15D010 EC8B15830 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245965
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 EC8B15830 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1469.0 lumens
Efficiency: N/A
Efficacy: 102.0 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

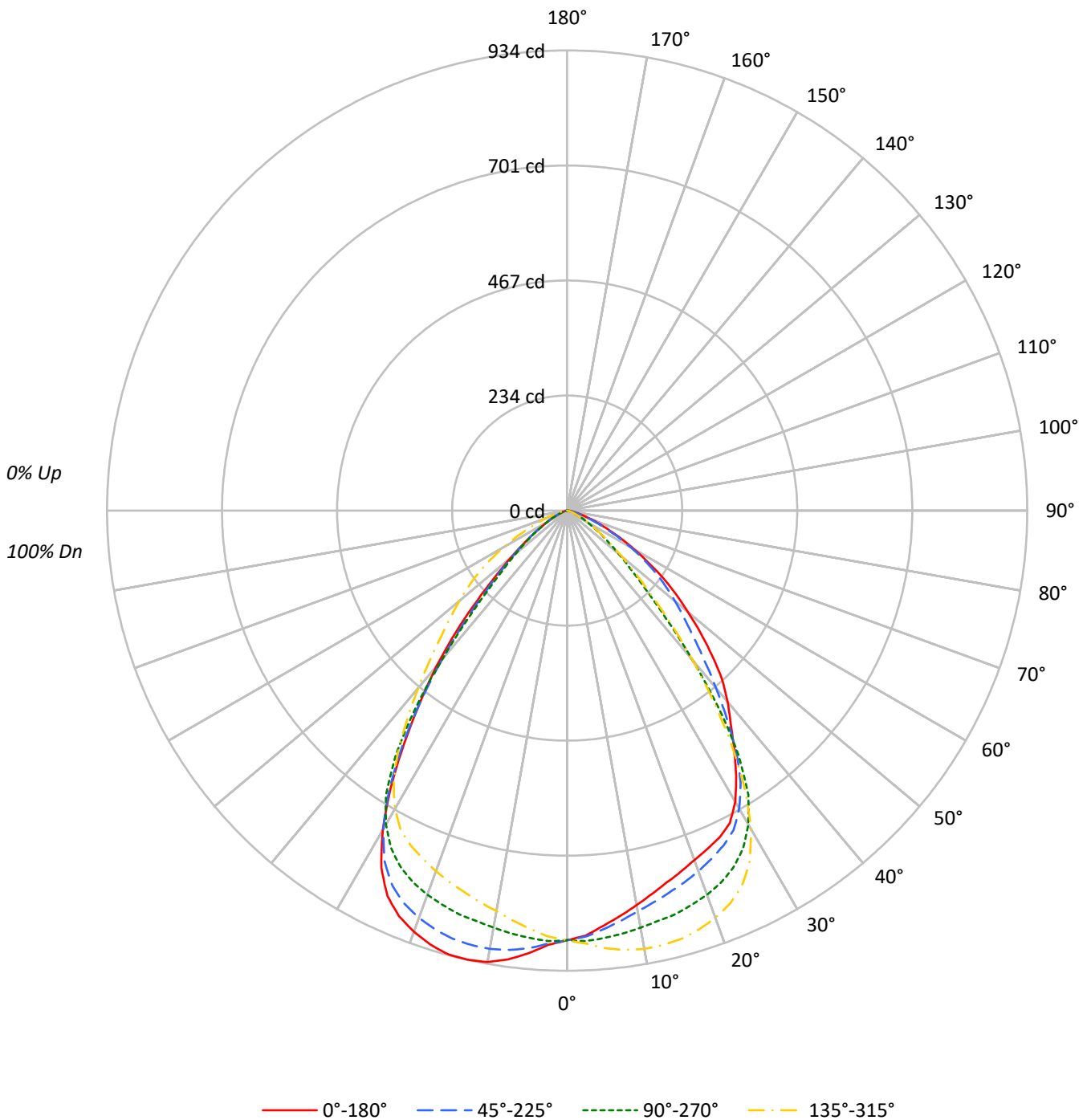
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	26892	26892	26892	26892
5°	26178	26955	27918	26955
10°	25454	26919	29133	26919
15°	24945	27081	29772	27081
20°	24776	27233	29849	27233
25°	24906	27182	29370	27182
30°	24291	26185	26655	26185
35°	22218	22842	21672	22842
40°	20397	15888	16593	15888
45°	18124	9694	11216	9694
50°	15342	6476	7191	6476
55°	12704	4419	4672	4419
60°	9689	2942	2966	2942
65°	6866	1831	1678	1831
70°	4950	1226	1118	1226
75°	3145	608	512	608
80°	2202	462	373	462
85°	1946	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	5.7
10°-20°	240.4	16.4
20°-30°	364.0	24.8
30°-40°	364.8	24.8
40°-50°	229.1	15.6
50°-60°	122.1	8.3
60°-70°	50.2	3.4
70°-80°	13.3	0.9
80°-90°	2.2	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°	687.4	46.8
0°-40°	1052.2	71.6
0°-60°	1403.3	95.5
0°-90°	1469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1469.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	872	872	872	872	872	
5°	846	871	902	871	846	80
15°	781	848	933	848	781	221
25°	732	799	863	799	732	336
35°	590	607	576	607	590	370
45°	416	222	257	222	416	320
55°	236	82	87	82	236	211
65°	94	25	23	25	94	98
75°	26	5	4	5	26	30
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°	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1
2.5°	863.2	862.3	861.9	862.7	863.2	864.9	864.4	865.3	865.3	865.7	866.6
5°	845.7	845.3	845.7	845.7	847.4	849.1	848.7	850.0	850.8	852.9	853.8
7.5°	829.5	829.5	829.1	830.8	831.6	834.2	833.8	835.9	837.2	839.3	842.3
10°	812.9	812.9	813.3	814.6	815.0	818.9	818.9	821.8	823.5	825.7	829.5
12.5°	796.7	796.7	799.3	798.4	800.1	803.1	804.4	807.4	809.9	814.2	818.0
15°	781.4	781.4	782.3	784.4	785.7	789.5	791.6	795.0	798.0	802.3	807.8
17.5°	768.2	767.8	768.2	770.8	773.3	776.7	778.4	782.7	785.7	791.2	796.3
20°	755.0	755.9	755.9	758.0	759.7	763.9	765.6	770.3	773.7	778.8	784.8
22.5°	743.5	743.1	743.1	746.1	747.3	751.2	752.9	757.1	761.0	765.2	770.8
25°	732.0	731.1	732.9	733.3	734.1	738.4	739.7	742.6	746.5	750.3	755.9
27.5°	715.0	714.1	714.5	716.2	717.5	720.9	721.8	724.8	727.7	731.1	735.8
30°	682.2	681.3	680.9	683.9	685.2	687.7	689.0	694.1	694.9	698.8	702.2
32.5°	638.7	638.3	639.2	641.7	643.0	646.4	648.1	651.1	653.2	655.4	658.8
35°	590.2	589.3	590.2	592.8	592.8	595.7	597.0	598.3	597.9	598.3	597.4
37.5°	545.1	544.6	545.1	546.3	545.1	546.3	545.1	542.5	537.8	532.7	527.6
40°	506.7	507.2	504.6	506.3	501.6	500.8	496.1	489.7	480.3	470.1	455.6
42.5°	465.9	464.6	462.9	463.7	459.9	456.9	449.2	441.2	429.2	412.2	394.7
45°	415.6	415.2	414.3	413.9	411.4	408.4	402.0	392.6	379.4	362.0	341.1
47.5°	366.6	365.4	365.4	365.8	362.8	362.4	357.3	349.2	337.7	320.6	298.9
50°	319.8	319.4	320.2	321.9	319.8	318.9	315.5	310.0	299.8	285.3	264.9
52.5°	277.6	277.2	278.1	280.2	279.3	280.2	276.8	272.5	265.7	251.7	233.8
55°	236.3	236.3	236.3	238.9	238.9	238.9	237.2	234.6	228.2	218.0	201.4
57.5°	193.3	193.7	196.3	196.7	196.3	197.2	196.7	194.2	189.9	182.7	169.9
60°	157.1	157.1	158.4	159.7	159.3	159.7	159.7	158.4	154.2	148.2	138.0
62.5°	124.3	125.6	124.8	125.6	127.3	125.6	124.8	123.9	120.9	117.1	108.6
65°	94.1	95.0	95.0	95.4	94.5	95.0	93.3	92.0	90.3	86.0	80.5
67.5°	71.5	71.5	71.5	71.5	71.1	70.7	70.3	69.0	66.0	64.3	58.3
70°	54.9	52.4	52.4	52.4	52.4	52.8	51.5	49.8	49.0	46.0	41.7
72.5°	36.6	37.5	36.6	36.6	35.8	36.2	34.5	33.6	32.8	31.1	28.5
75°	26.4	24.3	25.1	25.6	24.3	25.1	23.4	21.7	21.7	20.4	19.2
77.5°	17.0	16.6	17.0	17.5	17.0	16.6	15.8	14.9	14.9	14.5	13.2
80°	12.4	11.9	11.9	11.9	11.5	11.9	11.1	11.1	10.2	9.8	8.9
82.5°	8.1	8.1	7.7	8.1	7.7	8.1	6.8	6.8	6.8	6.4	5.5
85°	5.5	4.7	4.7	5.1	4.3	5.1	4.7	4.3	3.8	3.8	3.4
87.5°	2.6	3.0	2.6	3.0	2.6	2.6	3.0	2.6	2.6	1.7	1.7
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°	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1
2.5°	867.8	868.3	868.3	870.0	870.8	871.2	871.2	874.7	873.4	874.2	875.1
5°	855.5	858.0	858.9	858.9	863.6	865.3	867.0	870.8	871.2	873.8	876.8
7.5°	843.6	846.5	848.3	852.1	855.1	858.0	863.2	865.7	868.3	871.7	875.5
10°	832.1	835.5	838.9	841.9	846.5	850.4	853.8	859.7	862.7	867.4	872.5
12.5°	821.0	825.7	828.7	833.8	838.9	842.3	847.4	852.9	857.6	862.3	868.3
15°	811.2	816.7	820.1	825.7	831.2	835.9	841.4	848.3	851.7	857.2	862.7
17.5°	800.6	806.5	810.8	815.9	822.7	827.8	832.5	839.3	843.6	849.5	855.9
20°	789.5	795.5	800.6	805.7	812.5	817.6	823.1	829.9	834.6	840.6	845.7
22.5°	776.3	781.8	787.4	793.3	800.1	804.4	810.8	816.7	821.8	827.4	832.5
25°	759.3	766.1	770.3	775.9	781.4	786.1	792.9	798.9	803.1	808.2	812.9
27.5°	739.2	744.4	747.8	752.4	758.0	762.2	767.3	773.3	777.6	782.3	785.7
30°	705.2	709.9	712.8	716.2	721.8	725.6	729.9	735.4	738.4	741.8	744.8
32.5°	660.5	664.3	666.0	668.6	672.4	676.2	679.6	684.3	685.6	687.7	687.7
35°	595.7	596.6	596.2	597.0	598.7	600.8	603.8	606.8	608.5	608.5	607.2
37.5°	519.9	514.8	509.3	505.0	503.8	502.9	504.6	505.9	507.6	508.4	506.3
40°	441.2	429.7	417.3	406.2	398.6	395.2	393.9	394.7	394.7	397.7	397.7
42.5°	373.5	355.6	337.3	320.6	309.6	301.1	297.2	297.2	297.7	299.8	301.1
45°	317.2	294.7	273.4	255.1	239.7	228.7	223.6	222.3	221.9	222.7	225.7
47.5°	274.2	250.8	228.7	206.1	189.9	178.9	174.2	172.5	170.8	172.5	172.9
50°	240.6	216.3	192.9	170.3	153.3	143.5	137.5	135.0	134.6	134.6	135.4
52.5°	209.9	187.4	164.0	141.0	123.1	113.7	108.2	106.9	105.2	106.9	106.9
55°	181.0	158.4	135.4	113.7	98.8	89.0	83.9	82.2	81.3	82.6	82.6
57.5°	149.5	130.3	109.0	89.4	74.5	67.7	63.9	61.7	61.3	62.2	61.3
60°	122.6	106.5	88.1	70.3	58.8	51.5	48.6	47.7	46.8	47.7	47.7
62.5°	97.1	83.5	68.6	54.9	45.1	40.0	36.6	36.6	36.2	36.2	36.6
65°	72.0	61.3	50.7	39.2	31.5	27.7	25.1	25.1	24.7	25.1	24.7
67.5°	52.4	45.1	36.6	28.5	22.6	20.4	18.7	17.5	18.3	17.5	17.0
70°	38.3	32.4	26.4	21.7	17.5	15.3	14.1	13.6	12.8	12.8	12.8
72.5°	25.6	21.7	17.9	14.1	11.5	9.4	8.9	8.1	7.2	7.7	8.5
75°	17.0	14.5	12.8	10.2	7.7	7.7	5.1	5.1	4.3	5.1	3.8
77.5°	11.9	9.8	7.7	6.4	5.1	4.7	3.4	3.4	3.0	3.0	3.0
80°	8.5	7.2	5.5	4.7	3.4	3.4	3.0	2.6	2.1	2.1	2.6
82.5°	5.1	3.8	3.8	3.4	2.1	1.7	1.3	1.7	0.9	0.9	0.9
85°	3.0	2.6	2.1	1.3	0.9	0.9	0.4	0.0	0.4	0.4	0.0
87.5°	1.7	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°	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1
2.5°	877.2	876.8	877.6	877.6	880.2	879.8	881.0	881.0	880.2	880.6	882.3
5°	880.2	881.5	884.0	886.2	890.0	891.7	893.8	896.0	896.4	897.7	898.9
7.5°	880.2	884.5	887.4	891.3	896.4	899.4	904.0	907.9	909.6	911.7	914.3
10°	878.5	882.7	888.3	892.5	898.9	903.6	908.3	914.3	916.8	920.2	923.6
12.5°	875.1	879.8	885.7	891.3	898.5	902.8	908.7	914.3	918.1	922.8	926.6
15°	870.0	875.5	881.0	886.6	894.2	899.4	904.9	911.3	915.1	920.2	923.6
17.5°	861.9	867.8	873.0	878.1	885.3	891.3	896.4	902.3	906.2	910.4	915.1
20°	852.1	857.6	863.2	867.4	874.7	879.8	885.3	890.8	893.8	894.7	901.9
22.5°	839.7	843.6	847.8	854.6	858.9	863.6	868.7	873.8	876.8	881.5	884.0
25°	819.3	823.1	827.8	830.8	835.9	839.7	844.8	850.4	852.1	855.5	858.0
27.5°	790.8	792.9	795.0	797.6	800.6	802.7	805.7	808.2	809.9	811.6	813.3
30°	745.6	745.6	745.6	743.9	745.2	746.5	746.9	746.5	746.5	746.1	746.1
32.5°	686.0	682.6	678.8	675.4	674.1	672.4	671.5	670.3	668.1	666.9	667.3
35°	605.5	597.9	593.2	588.9	585.5	583.0	581.7	580.4	580.0	578.3	576.6
37.5°	505.0	499.5	496.1	493.5	490.6	488.0	488.4	488.9	490.1	489.3	489.7
40°	398.6	397.3	398.6	395.6	394.7	395.6	397.7	400.7	402.4	404.1	407.1
42.5°	303.2	305.3	308.3	308.3	309.6	311.3	313.8	318.5	321.1	324.0	327.5
45°	228.2	230.8	234.6	235.9	236.8	238.9	241.9	245.7	247.4	250.0	252.9
47.5°	175.9	177.6	179.7	181.8	184.0	184.8	187.8	187.8	189.9	191.6	192.5
50°	137.1	138.8	140.5	141.8	142.7	143.9	144.8	146.1	146.5	147.3	147.8
52.5°	107.3	109.4	109.4	110.3	111.6	112.8	112.4	112.8	113.3	113.3	114.5
55°	83.9	83.9	85.2	85.2	86.0	85.6	86.0	86.0	86.0	86.0	86.4
57.5°	62.6	63.0	64.3	63.4	63.0	63.9	63.0	63.9	63.4	64.3	63.0
60°	48.1	48.1	48.6	48.6	49.0	49.0	49.0	48.6	48.6	48.1	48.1
62.5°	36.2	36.6	37.1	36.6	36.6	36.6	36.2	36.2	35.8	35.3	35.3
65°	24.3	23.9	24.7	23.9	24.3	24.3	23.9	24.3	23.0	23.4	23.0
67.5°	17.5	17.0	16.6	17.0	16.6	16.2	16.2	16.6	17.0	15.8	15.8
70°	11.5	11.9	11.5	11.9	12.4	12.4	11.9	11.5	11.9	11.1	11.5
72.5°	7.2	7.2	7.2	7.2	7.2	7.7	7.7	7.7	6.8	6.8	6.4
75°	3.4	4.7	3.8	3.4	4.7	4.7	4.3	4.3	3.8	3.8	3.8
77.5°	3.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.1	2.6	2.1
80°	1.7	1.7	1.7	1.3	1.7	1.7	2.1	1.7	1.7	1.3	2.1
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°	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1
2.5°	881.9	881.5	881.9	882.3	881.9	881.5	881.9	882.3	880.6	880.2	881.0
5°	900.6	900.6	901.5	901.9	901.5	900.6	900.6	898.9	897.7	896.4	896.0
7.5°	916.8	917.7	918.5	918.9	918.5	917.7	916.8	914.3	911.7	909.6	907.9
10°	926.6	927.9	929.6	930.4	929.6	927.9	926.6	923.6	920.2	916.8	914.3
12.5°	930.9	932.1	934.3	933.8	934.3	932.1	930.9	926.6	922.8	918.1	914.3
15°	927.9	929.6	931.7	932.6	931.7	929.6	927.9	923.6	920.2	915.1	911.3
17.5°	918.5	921.1	922.4	923.6	922.4	921.1	918.5	915.1	910.4	906.2	902.3
20°	905.7	907.5	909.2	909.6	909.2	907.5	905.7	901.9	894.7	893.8	890.8
22.5°	887.4	888.7	892.5	891.3	892.5	888.7	887.4	884.0	881.5	876.8	873.8
25°	861.0	862.3	862.7	863.2	862.7	862.3	861.0	858.0	855.5	852.1	850.4
27.5°	815.5	815.5	816.3	816.7	816.3	815.5	815.5	813.3	811.6	809.9	808.2
30°	746.5	746.5	746.5	748.6	746.5	746.5	746.5	746.1	746.1	746.5	746.5
32.5°	666.9	666.0	665.2	666.0	665.2	666.0	666.9	667.3	666.9	668.1	670.3
35°	576.6	576.1	577.4	575.7	577.4	576.1	576.6	576.6	578.3	580.0	580.4
37.5°	490.1	489.3	491.0	489.3	491.0	489.3	490.1	489.7	489.3	490.1	488.9
40°	408.0	408.8	408.8	412.2	408.8	408.8	408.0	407.1	404.1	402.4	400.7
42.5°	329.2	331.7	330.9	333.4	330.9	331.7	329.2	327.5	324.0	321.1	318.5
45°	254.6	256.4	256.4	257.2	256.4	256.4	254.6	252.9	250.0	247.4	245.7
47.5°	195.4	195.4	195.4	195.9	195.4	195.4	195.4	192.5	191.6	189.9	187.8
50°	148.6	149.0	149.5	149.9	149.5	149.0	148.6	147.8	147.3	146.5	146.1
52.5°	114.1	114.5	113.7	114.5	113.7	114.5	114.1	114.5	113.3	113.3	112.8
55°	86.4	86.0	86.4	86.9	86.4	86.0	86.4	86.4	86.0	86.0	86.0
57.5°	63.4	62.6	62.6	62.6	62.6	62.6	63.4	63.0	64.3	63.4	63.9
60°	47.3	47.7	47.7	48.1	47.7	47.7	47.3	48.1	48.1	48.6	48.6
62.5°	34.9	36.2	35.3	36.2	35.3	36.2	34.9	35.3	35.3	35.8	36.2
65°	22.6	22.6	22.6	23.0	22.6	22.6	22.6	23.0	23.4	23.0	24.3
67.5°	15.3	15.8	16.6	16.2	16.6	15.8	15.3	15.8	15.8	17.0	16.6
70°	12.4	11.1	11.1	12.4	11.1	11.1	12.4	11.5	11.1	11.9	11.5
72.5°	7.2	6.4	7.2	7.2	7.2	6.4	7.2	6.4	6.8	6.8	7.7
75°	3.8	3.4	3.0	4.3	3.0	3.4	3.8	3.8	3.8	3.8	4.3
77.5°	2.6	2.1	3.0	3.0	3.0	2.1	2.6	2.1	2.6	2.1	2.6
80°	1.3	1.7	1.3	2.1	1.3	1.7	1.3	2.1	1.3	1.7	1.7
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°	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1
2.5°	881.0	879.8	880.2	877.6	877.6	876.8	877.2	875.1	874.2	873.4	874.7
5°	893.8	891.7	890.0	886.2	884.0	881.5	880.2	876.8	873.8	871.2	870.8
7.5°	904.0	899.4	896.4	891.3	887.4	884.5	880.2	875.5	871.7	868.3	865.7
10°	908.3	903.6	898.9	892.5	888.3	882.7	878.5	872.5	867.4	862.7	859.7
12.5°	908.7	902.8	898.5	891.3	885.7	879.8	875.1	868.3	862.3	857.6	852.9
15°	904.9	899.4	894.2	886.6	881.0	875.5	870.0	862.7	857.2	851.7	848.3
17.5°	896.4	891.3	885.3	878.1	873.0	867.8	861.9	855.9	849.5	843.6	839.3
20°	885.3	879.8	874.7	867.4	863.2	857.6	852.1	845.7	840.6	834.6	829.9
22.5°	868.7	863.6	858.9	854.6	847.8	843.6	839.7	832.5	827.4	821.8	816.7
25°	844.8	839.7	835.9	830.8	827.8	823.1	819.3	812.9	808.2	803.1	798.9
27.5°	805.7	802.7	800.6	797.6	795.0	792.9	790.8	785.7	782.3	777.6	773.3
30°	746.9	746.5	745.2	743.9	745.6	745.6	745.6	744.8	741.8	738.4	735.4
32.5°	671.5	672.4	674.1	675.4	678.8	682.6	686.0	687.7	687.7	685.6	684.3
35°	581.7	583.0	585.5	588.9	593.2	597.9	605.5	607.2	608.5	608.5	606.8
37.5°	488.4	488.0	490.6	493.5	496.1	499.5	505.0	506.3	508.4	507.6	505.9
40°	397.7	395.6	394.7	395.6	398.6	397.3	398.6	397.7	397.7	394.7	394.7
42.5°	313.8	311.3	309.6	308.3	308.3	305.3	303.2	301.1	299.8	297.7	297.2
45°	241.9	238.9	236.8	235.9	234.6	230.8	228.2	225.7	222.7	221.9	222.3
47.5°	187.8	184.8	184.0	181.8	179.7	177.6	175.9	172.9	172.5	170.8	172.5
50°	144.8	143.9	142.7	141.8	140.5	138.8	137.1	135.4	134.6	134.6	135.0
52.5°	112.4	112.8	111.6	110.3	109.4	109.4	107.3	106.9	106.9	105.2	106.9
55°	86.0	85.6	86.0	85.2	85.2	83.9	83.9	82.6	82.6	81.3	82.2
57.5°	63.0	63.9	63.0	63.4	64.3	63.0	62.6	61.3	62.2	61.3	61.7
60°	49.0	49.0	49.0	48.6	48.6	48.1	48.1	47.7	47.7	46.8	47.7
62.5°	36.2	36.6	36.6	36.6	37.1	36.6	36.2	36.6	36.2	36.2	36.6
65°	23.9	24.3	24.3	23.9	24.7	23.9	24.3	24.7	25.1	24.7	25.1
67.5°	16.2	16.2	16.6	17.0	16.6	17.0	17.5	17.0	17.5	18.3	17.5
70°	11.9	12.4	12.4	11.9	11.5	11.9	11.5	12.8	12.8	12.8	13.6
72.5°	7.7	7.7	7.2	7.2	7.2	7.2	7.2	8.5	7.7	7.2	8.1
75°	4.3	4.7	4.7	3.4	3.8	4.7	3.4	3.8	5.1	4.3	5.1
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.0	3.0	3.0	3.4
80°	2.1	1.7	1.7	1.3	1.7	1.7	1.7	2.6	2.1	2.1	2.6
82.5°	0.9	0.9	0.4	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.7
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°	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1	872.1
2.5°	871.2	871.2	870.8	870.0	868.3	868.3	867.8	866.6	865.7	865.3	865.3
5°	867.0	865.3	863.6	858.9	858.9	858.0	855.5	853.8	852.9	850.8	850.0
7.5°	863.2	858.0	855.1	852.1	848.3	846.5	843.6	842.3	839.3	837.2	835.9
10°	853.8	850.4	846.5	841.9	838.9	835.5	832.1	829.5	825.7	823.5	821.8
12.5°	847.4	842.3	838.9	833.8	828.7	825.7	821.0	818.0	814.2	809.9	807.4
15°	841.4	835.9	831.2	825.7	820.1	816.7	811.2	807.8	802.3	798.0	795.0
17.5°	832.5	827.8	822.7	815.9	810.8	806.5	800.6	796.3	791.2	785.7	782.7
20°	823.1	817.6	812.5	805.7	800.6	795.5	789.5	784.8	778.8	773.7	770.3
22.5°	810.8	804.4	800.1	793.3	787.4	781.8	776.3	770.8	765.2	761.0	757.1
25°	792.9	786.1	781.4	775.9	770.3	766.1	759.3	755.9	750.3	746.5	742.6
27.5°	767.3	762.2	758.0	752.4	747.8	744.4	739.2	735.8	731.1	727.7	724.8
30°	729.9	725.6	721.8	716.2	712.8	709.9	705.2	702.2	698.8	694.9	694.1
32.5°	679.6	676.2	672.4	668.6	666.0	664.3	660.5	658.8	655.4	653.2	651.1
35°	603.8	600.8	598.7	597.0	596.2	596.6	595.7	597.4	598.3	597.9	598.3
37.5°	504.6	502.9	503.8	505.0	509.3	514.8	519.9	527.6	532.7	537.8	542.5
40°	393.9	395.2	398.6	406.2	417.3	429.7	441.2	455.6	470.1	480.3	489.7
42.5°	297.2	301.1	309.6	320.6	337.3	355.6	373.5	394.7	412.2	429.2	441.2
45°	223.6	228.7	239.7	255.1	273.4	294.7	317.2	341.1	362.0	379.4	392.6
47.5°	174.2	178.9	189.9	206.1	228.7	250.8	274.2	298.9	320.6	337.7	349.2
50°	137.5	143.5	153.3	170.3	192.9	216.3	240.6	264.9	285.3	299.8	310.0
52.5°	108.2	113.7	123.1	141.0	164.0	187.4	209.9	233.8	251.7	265.7	272.5
55°	83.9	89.0	98.8	113.7	135.4	158.4	181.0	201.4	218.0	228.2	234.6
57.5°	63.9	67.7	74.5	89.4	109.0	130.3	149.5	169.9	182.7	189.9	194.2
60°	48.6	51.5	58.8	70.3	88.1	106.5	122.6	138.0	148.2	154.2	158.4
62.5°	36.6	40.0	45.1	54.9	68.6	83.5	97.1	108.6	117.1	120.9	123.9
65°	25.1	27.7	31.5	39.2	50.7	61.3	72.0	80.5	86.0	90.3	92.0
67.5°	18.7	20.4	22.6	28.5	36.6	45.1	52.4	58.3	64.3	66.0	69.0
70°	14.1	15.3	17.5	21.7	26.4	32.4	38.3	41.7	46.0	49.0	49.8
72.5°	8.9	9.4	11.5	14.1	17.9	21.7	25.6	28.5	31.1	32.8	33.6
75°	5.1	7.7	7.7	10.2	12.8	14.5	17.0	19.2	20.4	21.7	21.7
77.5°	3.4	4.7	5.1	6.4	7.7	9.8	11.9	13.2	14.5	14.9	14.9
80°	3.0	3.4	3.4	4.7	5.5	7.2	8.5	8.9	9.8	10.2	11.1
82.5°	1.3	1.7	2.1	3.4	3.8	3.8	5.1	5.5	6.4	6.8	6.8
85°	0.4	0.9	0.9	1.3	2.1	2.6	3.0	3.4	3.8	3.8	4.3
87.5°	0.4	0.4	0.0	0.4	0.9	0.9	1.7	1.7	1.7	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: P245965

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	872.1	872.1	872.1	872.1	872.1	872.1	872.1
2.5°	864.4	864.9	863.2	862.7	861.9	862.3	863.2
5°	848.7	849.1	847.4	845.7	845.7	845.3	845.7
7.5°	833.8	834.2	831.6	830.8	829.1	829.5	829.5
10°	818.9	818.9	815.0	814.6	813.3	812.9	812.9
12.5°	804.4	803.1	800.1	798.4	799.3	796.7	796.7
15°	791.6	789.5	785.7	784.4	782.3	781.4	781.4
17.5°	778.4	776.7	773.3	770.8	768.2	767.8	768.2
20°	765.6	763.9	759.7	758.0	755.9	755.9	755.0
22.5°	752.9	751.2	747.3	746.1	743.1	743.1	743.5
25°	739.7	738.4	734.1	733.3	732.9	731.1	732.0
27.5°	721.8	720.9	717.5	716.2	714.5	714.1	715.0
30°	689.0	687.7	685.2	683.9	680.9	681.3	682.2
32.5°	648.1	646.4	643.0	641.7	639.2	638.3	638.7
35°	597.0	595.7	592.8	592.8	590.2	589.3	590.2
37.5°	545.1	546.3	545.1	546.3	545.1	544.6	545.1
40°	496.1	500.8	501.6	506.3	504.6	507.2	506.7
42.5°	449.2	456.9	459.9	463.7	462.9	464.6	465.9
45°	402.0	408.4	411.4	413.9	414.3	415.2	415.6
47.5°	357.3	362.4	362.8	365.8	365.4	365.4	366.6
50°	315.5	318.9	319.8	321.9	320.2	319.4	319.8
52.5°	276.8	280.2	279.3	280.2	278.1	277.2	277.6
55°	237.2	238.9	238.9	238.9	236.3	236.3	236.3
57.5°	196.7	197.2	196.3	196.7	196.3	193.7	193.3
60°	159.7	159.7	159.3	159.7	158.4	157.1	157.1
62.5°	124.8	125.6	127.3	125.6	124.8	125.6	124.3
65°	93.3	95.0	94.5	95.4	95.0	95.0	94.1
67.5°	70.3	70.7	71.1	71.5	71.5	71.5	71.5
70°	51.5	52.8	52.4	52.4	52.4	52.4	54.9
72.5°	34.5	36.2	35.8	36.6	36.6	37.5	36.6
75°	23.4	25.1	24.3	25.6	25.1	24.3	26.4
77.5°	15.8	16.6	17.0	17.5	17.0	16.6	17.0
80°	11.1	11.9	11.5	11.9	11.9	11.9	12.4
82.5°	6.8	8.1	7.7	8.1	7.7	8.1	8.1
85°	4.7	5.1	4.3	5.1	4.7	4.7	5.5
87.5°	3.0	2.6	2.6	3.0	2.6	3.0	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)