

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: P244969

Luminaire Tested: **LSR8B15D010 EC8B15840 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244969
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 EC8B15840 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1521.0 lumens
Efficiency: N/A
Efficacy: 105.6 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

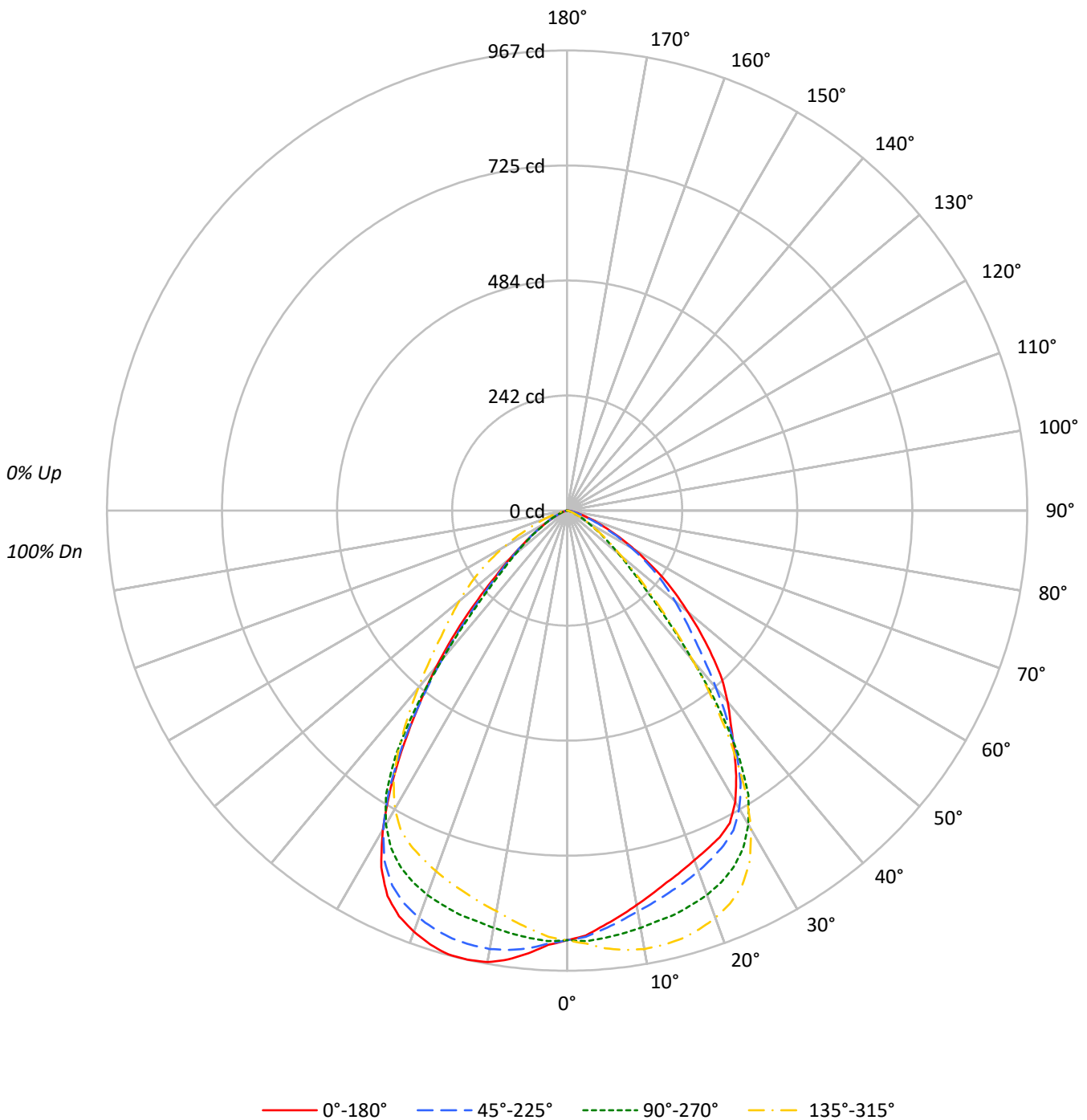
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	27845	27845	27845	27845
5°	27103	27908	28905	27908
10°	26355	27874	30166	27874
15°	25830	28039	30826	28039
20°	25652	28198	30905	28198
25°	25787	28141	30407	28141
30°	25149	27111	27599	27111
35°	23004	23652	22440	23652
40°	21121	16452	17180	16452
45°	18765	10039	11613	10039
50°	15884	6707	7445	6707
55°	13155	4575	4833	4575
60°	10034	3047	3071	3047
65°	7107	1897	1737	1897
70°	5130	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°	85.9	5.7
10°-20°	248.9	16.4
20°-30°	376.9	24.8
30°-40°	377.7	24.8
40°-50°	237.2	15.6
50°-60°	126.4	8.3
60°-70°	52.0	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°	711.7	46.8
0°-40°	1089.4	71.6
0°-60°	1453.0	95.5
0°-90°	1521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1521.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	903	903	903	903	903	
5°	876	902	934	902	876	83
15°	809	878	966	878	809	229
25°	758	827	894	827	758	348
35°	611	628	596	628	611	383
45°	430	230	266	230	430	331
55°	245	85	90	85	245	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°	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	893.7	892.8	892.4	893.3	893.7	895.5	895.0	895.9	895.9	896.4	897.2
5°	875.6	875.2	875.6	875.6	877.4	879.2	878.7	880.0	880.9	883.1	884.0
7.5°	858.9	858.9	858.4	860.2	861.1	863.7	863.3	865.5	866.8	869.0	872.1
10°	841.7	841.7	842.1	843.4	843.9	847.9	847.9	850.9	852.7	854.9	858.9
12.5°	824.9	824.9	827.6	826.7	828.5	831.5	832.9	835.9	838.6	843.0	847.0
15°	809.1	809.1	809.9	812.1	813.5	817.4	819.6	823.2	826.3	830.7	836.4
17.5°	795.4	795.0	795.4	798.0	800.7	804.2	806.0	810.4	813.5	819.2	824.5
20°	781.7	782.6	782.6	784.8	786.6	791.0	792.7	797.6	801.1	806.4	812.6
22.5°	769.8	769.4	769.4	772.5	773.8	777.7	779.5	783.9	787.9	792.3	798.0
25°	757.9	757.0	758.8	759.2	760.1	764.5	765.8	768.9	772.9	776.9	782.6
27.5°	740.3	739.4	739.8	741.6	742.9	746.4	747.3	750.4	753.5	757.0	761.9
30°	706.3	705.4	705.0	708.1	709.4	712.1	713.4	718.7	719.5	723.5	727.0
32.5°	661.3	660.9	661.8	664.4	665.8	669.3	671.1	674.1	676.3	678.6	682.1
35°	611.1	610.2	611.1	613.7	613.7	616.8	618.2	619.5	619.0	619.5	618.6
37.5°	564.4	563.9	564.4	565.7	564.4	565.7	564.4	561.7	556.9	551.6	546.3
40°	524.7	525.1	522.5	524.2	519.4	518.5	513.7	507.0	497.3	486.8	471.8
42.5°	482.4	481.0	479.3	480.1	476.2	473.1	465.2	456.8	444.4	426.8	408.7
45°	430.3	429.9	429.0	428.6	425.9	422.8	416.2	406.5	392.8	374.8	353.2
47.5°	379.6	378.3	378.3	378.7	375.6	375.2	369.9	361.5	349.6	332.0	309.5
50°	331.1	330.7	331.6	333.3	331.1	330.2	326.7	321.0	310.4	295.4	274.2
52.5°	287.5	287.0	287.9	290.1	289.2	290.1	286.6	282.2	275.1	260.6	242.1
55°	244.7	244.7	244.7	247.3	247.3	247.3	245.6	242.9	236.3	225.7	208.6
57.5°	200.2	200.6	203.3	203.7	203.3	204.1	203.7	201.0	196.7	189.2	175.9
60°	162.7	162.7	164.0	165.3	164.9	165.3	165.3	164.0	159.6	153.4	142.9
62.5°	128.7	130.1	129.2	130.1	131.8	130.1	129.2	128.3	125.2	121.2	112.4
65°	97.4	98.3	98.3	98.8	97.9	98.3	96.6	95.2	93.5	89.1	83.3
67.5°	74.1	74.1	74.1	74.1	73.6	73.2	72.8	71.4	68.3	66.6	60.4
70°	56.9	54.2	54.2	54.2	54.2	54.7	53.4	51.6	50.7	47.6	43.2
72.5°	37.9	38.8	37.9	37.9	37.0	37.5	35.7	34.8	34.0	32.2	29.5
75°	27.3	25.1	26.0	26.5	25.1	26.0	24.2	22.5	22.5	21.2	19.8
77.5°	17.6	17.2	17.6	18.1	17.6	17.2	16.3	15.4	15.4	15.0	13.7
80°	12.8	12.3	12.3	12.3	11.9	12.3	11.5	11.5	10.6	10.1	9.3
82.5°	8.4	8.4	7.9	8.4	7.9	8.4	7.1	7.1	7.1	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°	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	898.6	899.0	899.0	900.8	901.6	902.1	902.1	905.6	904.3	905.2	906.1
5°	885.8	888.4	889.3	889.3	894.1	895.9	897.7	901.6	902.1	904.7	907.8
7.5°	873.4	876.5	878.3	882.2	885.3	888.4	893.7	896.4	899.0	902.5	906.5
10°	861.5	865.1	868.6	871.7	876.5	880.5	884.0	890.2	893.3	898.1	903.4
12.5°	850.1	854.9	858.0	863.3	868.6	872.1	877.4	883.1	888.0	892.8	899.0
15°	839.9	845.7	849.2	854.9	860.6	865.5	871.2	878.3	881.8	887.5	893.3
17.5°	828.9	835.1	839.5	844.8	851.8	857.1	862.0	869.0	873.4	879.6	886.2
20°	817.4	823.6	828.9	834.2	841.2	846.5	852.3	859.3	864.2	870.3	875.6
22.5°	803.8	809.5	815.2	821.4	828.5	832.9	839.5	845.7	850.9	856.7	862.0
25°	786.1	793.2	797.6	803.3	809.1	813.9	821.0	827.1	831.5	836.8	841.7
27.5°	765.4	770.7	774.2	779.1	784.8	789.2	794.5	800.7	805.1	809.9	813.5
30°	730.1	735.0	738.1	741.6	747.3	751.3	755.7	761.4	764.5	768.1	771.1
32.5°	683.8	687.8	689.6	692.2	696.2	700.1	703.7	708.5	709.9	712.1	712.1
35°	616.8	617.7	617.3	618.2	619.9	622.1	625.2	628.3	630.0	630.0	628.7
37.5°	538.3	533.1	527.3	522.9	521.6	520.7	522.5	523.8	525.6	526.4	524.2
40°	456.8	444.9	432.1	420.6	412.7	409.2	407.8	408.7	408.7	411.8	411.8
42.5°	386.7	368.1	349.2	332.0	320.5	311.7	307.8	307.8	308.2	310.4	311.7
45°	328.5	305.1	283.1	264.1	248.2	236.8	231.5	230.2	229.7	230.6	233.7
47.5°	283.9	259.7	236.8	213.4	196.7	185.2	180.3	178.6	176.8	178.6	179.0
50°	249.1	224.0	199.7	176.4	158.7	148.6	142.4	139.8	139.3	139.3	140.2
52.5°	217.4	194.0	169.8	145.9	127.4	117.7	112.0	110.7	108.9	110.7	110.7
55°	187.4	164.0	140.2	117.7	102.3	92.2	86.9	85.1	84.2	85.5	85.5
57.5°	154.8	134.9	112.9	92.6	77.2	70.1	66.1	63.9	63.5	64.4	63.5
60°	127.0	110.2	91.3	72.8	60.9	53.4	50.3	49.4	48.5	49.4	49.4
62.5°	100.5	86.4	71.0	56.9	46.7	41.4	37.9	37.9	37.5	37.5	37.9
65°	74.5	63.5	52.5	40.6	32.6	28.7	26.0	26.0	25.6	26.0	25.6
67.5°	54.2	46.7	37.9	29.5	23.4	21.2	19.4	18.1	19.0	18.1	17.6
70°	39.7	33.5	27.3	22.5	18.1	15.9	14.6	14.1	13.2	13.2	13.2
72.5°	26.5	22.5	18.5	14.6	11.9	9.7	9.3	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°	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	908.3	907.8	908.7	908.7	911.4	910.9	912.2	912.2	911.4	911.8	913.5
5°	911.4	912.7	915.3	917.5	921.5	923.3	925.5	927.7	928.1	929.4	930.8
7.5°	911.4	915.8	918.8	922.8	928.1	931.2	936.0	940.0	941.8	944.0	946.6
10°	909.6	914.0	919.7	924.1	930.8	935.6	940.4	946.6	949.3	952.8	956.3
12.5°	906.1	910.9	917.1	922.8	930.3	934.7	940.9	946.6	950.6	955.4	959.4
15°	900.8	906.5	912.2	918.0	925.9	931.2	936.9	943.5	947.5	952.8	956.3
17.5°	892.4	898.6	903.9	909.1	916.6	922.8	928.1	934.3	938.2	942.7	947.5
20°	882.2	888.0	893.7	898.1	905.6	910.9	916.6	922.4	925.5	926.3	933.8
22.5°	869.5	873.4	877.8	884.9	889.3	894.1	899.4	904.7	907.8	912.7	915.3
25°	848.3	852.3	857.1	860.2	865.5	869.5	874.7	880.5	882.2	885.8	888.4
27.5°	818.8	821.0	823.2	825.8	828.9	831.1	834.2	836.8	838.6	840.4	842.1
30°	772.0	772.0	772.0	770.3	771.6	772.9	773.3	772.9	772.9	772.5	772.5
32.5°	710.3	706.8	702.8	699.3	698.0	696.2	695.3	694.0	691.8	690.5	690.9
35°	627.0	619.0	614.2	609.8	606.3	603.6	602.3	601.0	600.5	598.8	597.0
37.5°	522.9	517.2	513.7	511.0	507.9	505.3	505.7	506.2	507.5	506.6	507.0
40°	412.7	411.4	412.7	409.6	408.7	409.6	411.8	414.9	416.7	418.4	421.5
42.5°	313.9	316.1	319.2	319.2	320.5	322.3	324.9	329.8	332.4	335.5	339.1
45°	236.3	239.0	242.9	244.3	245.1	247.3	250.4	254.4	256.2	258.8	261.9
47.5°	182.1	183.9	186.1	188.3	190.5	191.4	194.4	194.4	196.7	198.4	199.3
50°	142.0	143.7	145.5	146.8	147.7	149.0	149.9	151.2	151.7	152.6	153.0
52.5°	111.1	113.3	113.3	114.2	115.5	116.8	116.4	116.8	117.3	117.3	118.6
55°	86.9	86.9	88.2	88.2	89.1	88.6	89.1	89.1	89.1	89.1	89.5
57.5°	64.8	65.3	66.6	65.7	65.3	66.1	65.3	66.1	65.7	66.6	65.3
60°	49.8	49.8	50.3	50.3	50.7	50.7	50.7	50.3	50.3	49.8	49.8
62.5°	37.5	37.9	38.4	37.9	37.9	37.9	37.5	37.5	37.0	36.6	36.6
65°	25.1	24.7	25.6	24.7	25.1	25.1	24.7	25.1	23.8	24.2	23.8
67.5°	18.1	17.6	17.2	17.6	17.2	16.8	16.8	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	11.5	11.9
72.5°	7.5	7.5	7.5	7.5	7.5	7.9	7.9	7.9	7.1	7.1	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°	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	913.1	912.7	913.1	913.5	913.1	912.7	913.1	913.5	911.8	911.4	912.2
5°	932.5	932.5	933.4	933.8	933.4	932.5	932.5	930.8	929.4	928.1	927.7
7.5°	949.3	950.2	951.0	951.5	951.0	950.2	949.3	946.6	944.0	941.8	940.0
10°	959.4	960.7	962.5	963.4	962.5	960.7	959.4	956.3	952.8	949.3	946.6
12.5°	963.8	965.1	967.3	966.9	967.3	965.1	963.8	959.4	955.4	950.6	946.6
15°	960.7	962.5	964.7	965.6	964.7	962.5	960.7	956.3	952.8	947.5	943.5
17.5°	951.0	953.7	955.0	956.3	955.0	953.7	951.0	947.5	942.7	938.2	934.3
20°	937.8	939.6	941.3	941.8	941.3	939.6	937.8	933.8	926.3	925.5	922.4
22.5°	918.8	920.2	924.1	922.8	924.1	920.2	918.8	915.3	912.7	907.8	904.7
25°	891.5	892.8	893.3	893.7	893.3	892.8	891.5	888.4	885.8	882.2	880.5
27.5°	844.3	844.3	845.2	845.7	845.2	844.3	844.3	842.1	840.4	838.6	836.8
30°	772.9	772.9	772.9	775.1	772.9	772.9	772.9	772.5	772.5	772.9	772.9
32.5°	690.5	689.6	688.7	689.6	688.7	689.6	690.5	690.9	690.5	691.8	694.0
35°	597.0	596.5	597.9	596.1	597.9	596.5	597.0	597.0	598.8	600.5	601.0
37.5°	507.5	506.6	508.4	506.6	508.4	506.6	507.5	507.0	506.6	507.5	506.2
40°	422.4	423.3	423.3	426.8	423.3	423.3	422.4	421.5	418.4	416.7	414.9
42.5°	340.8	343.5	342.6	345.2	342.6	343.5	340.8	339.1	335.5	332.4	329.8
45°	263.7	265.4	265.4	266.3	265.4	265.4	263.7	261.9	258.8	256.2	254.4
47.5°	202.4	202.4	202.4	202.8	202.4	202.4	202.4	199.3	198.4	196.7	194.4
50°	153.9	154.3	154.8	155.2	154.8	154.3	153.9	153.0	152.6	151.7	151.2
52.5°	118.2	118.6	117.7	118.6	117.7	118.6	118.2	118.6	117.3	117.3	116.8
55°	89.5	89.1	89.5	89.9	89.5	89.1	89.5	89.5	89.1	89.1	89.1
57.5°	65.7	64.8	64.8	64.8	64.8	64.8	65.7	65.3	66.6	65.7	66.1
60°	48.9	49.4	49.4	49.8	49.4	49.4	48.9	49.8	49.8	50.3	50.3
62.5°	36.2	37.5	36.6	37.5	36.6	37.5	36.2	36.6	36.6	37.0	37.5
65°	23.4	23.4	23.4	23.8	23.4	23.4	23.4	23.8	24.2	23.8	25.1
67.5°	15.9	16.3	17.2	16.8	17.2	16.3	15.9	16.3	16.3	17.6	17.2
70°	12.8	11.5	11.5	12.8	11.5	11.5	12.8	11.9	11.5	12.3	11.9
72.5°	7.5	6.6	7.5	7.5	7.5	6.6	7.5	6.6	7.1	7.1	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°	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	912.2	910.9	911.4	908.7	908.7	907.8	908.3	906.1	905.2	904.3	905.6
5°	925.5	923.3	921.5	917.5	915.3	912.7	911.4	907.8	904.7	902.1	901.6
7.5°	936.0	931.2	928.1	922.8	918.8	915.8	911.4	906.5	902.5	899.0	896.4
10°	940.4	935.6	930.8	924.1	919.7	914.0	909.6	903.4	898.1	893.3	890.2
12.5°	940.9	934.7	930.3	922.8	917.1	910.9	906.1	899.0	892.8	888.0	883.1
15°	936.9	931.2	925.9	918.0	912.2	906.5	900.8	893.3	887.5	881.8	878.3
17.5°	928.1	922.8	916.6	909.1	903.9	898.6	892.4	886.2	879.6	873.4	869.0
20°	916.6	910.9	905.6	898.1	893.7	888.0	882.2	875.6	870.3	864.2	859.3
22.5°	899.4	894.1	889.3	884.9	877.8	873.4	869.5	862.0	856.7	850.9	845.7
25°	874.7	869.5	865.5	860.2	857.1	852.3	848.3	841.7	836.8	831.5	827.1
27.5°	834.2	831.1	828.9	825.8	823.2	821.0	818.8	813.5	809.9	805.1	800.7
30°	773.3	772.9	771.6	770.3	772.0	772.0	772.0	771.1	768.1	764.5	761.4
32.5°	695.3	696.2	698.0	699.3	702.8	706.8	710.3	712.1	712.1	709.9	708.5
35°	602.3	603.6	606.3	609.8	614.2	619.0	627.0	628.7	630.0	630.0	628.3
37.5°	505.7	505.3	507.9	511.0	513.7	517.2	522.9	524.2	526.4	525.6	523.8
40°	411.8	409.6	408.7	409.6	412.7	411.4	412.7	411.8	411.8	408.7	408.7
42.5°	324.9	322.3	320.5	319.2	319.2	316.1	313.9	311.7	310.4	308.2	307.8
45°	250.4	247.3	245.1	244.3	242.9	239.0	236.3	233.7	230.6	229.7	230.2
47.5°	194.4	191.4	190.5	188.3	186.1	183.9	182.1	179.0	178.6	176.8	178.6
50°	149.9	149.0	147.7	146.8	145.5	143.7	142.0	140.2	139.3	139.3	139.8
52.5°	116.4	116.8	115.5	114.2	113.3	113.3	111.1	110.7	110.7	108.9	110.7
55°	89.1	88.6	89.1	88.2	88.2	86.9	86.9	85.5	85.5	84.2	85.1
57.5°	65.3	66.1	65.3	65.7	66.6	65.3	64.8	63.5	64.4	63.5	63.9
60°	50.7	50.7	50.7	50.3	50.3	49.8	49.8	49.4	49.4	48.5	49.4
62.5°	37.5	37.9	37.9	37.9	38.4	37.9	37.5	37.9	37.5	37.5	37.9
65°	24.7	25.1	25.1	24.7	25.6	24.7	25.1	25.6	26.0	25.6	26.0
67.5°	16.8	16.8	17.2	17.6	17.2	17.6	18.1	17.6	18.1	19.0	18.1
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°	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	902.1	902.1	901.6	900.8	899.0	899.0	898.6	897.2	896.4	895.9	895.9
5°	897.7	895.9	894.1	889.3	889.3	888.4	885.8	884.0	883.1	880.9	880.0
7.5°	893.7	888.4	885.3	882.2	878.3	876.5	873.4	872.1	869.0	866.8	865.5
10°	884.0	880.5	876.5	871.7	868.6	865.1	861.5	858.9	854.9	852.7	850.9
12.5°	877.4	872.1	868.6	863.3	858.0	854.9	850.1	847.0	843.0	838.6	835.9
15°	871.2	865.5	860.6	854.9	849.2	845.7	839.9	836.4	830.7	826.3	823.2
17.5°	862.0	857.1	851.8	844.8	839.5	835.1	828.9	824.5	819.2	813.5	810.4
20°	852.3	846.5	841.2	834.2	828.9	823.6	817.4	812.6	806.4	801.1	797.6
22.5°	839.5	832.9	828.5	821.4	815.2	809.5	803.8	798.0	792.3	787.9	783.9
25°	821.0	813.9	809.1	803.3	797.6	793.2	786.1	782.6	776.9	772.9	768.9
27.5°	794.5	789.2	784.8	779.1	774.2	770.7	765.4	761.9	757.0	753.5	750.4
30°	755.7	751.3	747.3	741.6	738.1	735.0	730.1	727.0	723.5	719.5	718.7
32.5°	703.7	700.1	696.2	692.2	689.6	687.8	683.8	682.1	678.6	676.3	674.1
35°	625.2	622.1	619.9	618.2	617.3	617.7	616.8	618.6	619.5	619.0	619.5
37.5°	522.5	520.7	521.6	522.9	527.3	533.1	538.3	546.3	551.6	556.9	561.7
40°	407.8	409.2	412.7	420.6	432.1	444.9	456.8	471.8	486.8	497.3	507.0
42.5°	307.8	311.7	320.5	332.0	349.2	368.1	386.7	408.7	426.8	444.4	456.8
45°	231.5	236.8	248.2	264.1	283.1	305.1	328.5	353.2	374.8	392.8	406.5
47.5°	180.3	185.2	196.7	213.4	236.8	259.7	283.9	309.5	332.0	349.6	361.5
50°	142.4	148.6	158.7	176.4	199.7	224.0	249.1	274.2	295.4	310.4	321.0
52.5°	112.0	117.7	127.4	145.9	169.8	194.0	217.4	242.1	260.6	275.1	282.2
55°	86.9	92.2	102.3	117.7	140.2	164.0	187.4	208.6	225.7	236.3	242.9
57.5°	66.1	70.1	77.2	92.6	112.9	134.9	154.8	175.9	189.2	196.7	201.0
60°	50.3	53.4	60.9	72.8	91.3	110.2	127.0	142.9	153.4	159.6	164.0
62.5°	37.9	41.4	46.7	56.9	71.0	86.4	100.5	112.4	121.2	125.2	128.3
65°	26.0	28.7	32.6	40.6	52.5	63.5	74.5	83.3	89.1	93.5	95.2
67.5°	19.4	21.2	23.4	29.5	37.9	46.7	54.2	60.4	66.6	68.3	71.4
70°	14.6	15.9	18.1	22.5	27.3	33.5	39.7	43.2	47.6	50.7	51.6
72.5°	9.3	9.7	11.9	14.6	18.5	22.5	26.5	29.5	32.2	34.0	34.8
75°	5.3	7.9	7.9	10.6	13.2	15.0	17.6	19.8	21.2	22.5	22.5
77.5°	3.5	4.8	5.3	6.6	7.9	10.1	12.3	13.7	15.0	15.4	15.4
80°	3.1	3.5	3.5	4.8	5.7	7.5	8.8	9.3	10.1	10.6	11.5
82.5°	1.3	1.8	2.2	3.5	4.0	4.0	5.3	5.7	6.6	7.1	7.1
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: P244969

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	895.0	895.5	893.7	893.3	892.4	892.8	893.7
5°	878.7	879.2	877.4	875.6	875.6	875.2	875.6
7.5°	863.3	863.7	861.1	860.2	858.4	858.9	858.9
10°	847.9	847.9	843.9	843.4	842.1	841.7	841.7
12.5°	832.9	831.5	828.5	826.7	827.6	824.9	824.9
15°	819.6	817.4	813.5	812.1	809.9	809.1	809.1
17.5°	806.0	804.2	800.7	798.0	795.4	795.0	795.4
20°	792.7	791.0	786.6	784.8	782.6	782.6	781.7
22.5°	779.5	777.7	773.8	772.5	769.4	769.4	769.8
25°	765.8	764.5	760.1	759.2	758.8	757.0	757.9
27.5°	747.3	746.4	742.9	741.6	739.8	739.4	740.3
30°	713.4	712.1	709.4	708.1	705.0	705.4	706.3
32.5°	671.1	669.3	665.8	664.4	661.8	660.9	661.3
35°	618.2	616.8	613.7	613.7	611.1	610.2	611.1
37.5°	564.4	565.7	564.4	565.7	564.4	563.9	564.4
40°	513.7	518.5	519.4	524.2	522.5	525.1	524.7
42.5°	465.2	473.1	476.2	480.1	479.3	481.0	482.4
45°	416.2	422.8	425.9	428.6	429.0	429.9	430.3
47.5°	369.9	375.2	375.6	378.7	378.3	378.3	379.6
50°	326.7	330.2	331.1	333.3	331.6	330.7	331.1
52.5°	286.6	290.1	289.2	290.1	287.9	287.0	287.5
55°	245.6	247.3	247.3	247.3	244.7	244.7	244.7
57.5°	203.7	204.1	203.3	203.7	203.3	200.6	200.2
60°	165.3	165.3	164.9	165.3	164.0	162.7	162.7
62.5°	129.2	130.1	131.8	130.1	129.2	130.1	128.7
65°	96.6	98.3	97.9	98.8	98.3	98.3	97.4
67.5°	72.8	73.2	73.6	74.1	74.1	74.1	74.1
70°	53.4	54.7	54.2	54.2	54.2	54.2	56.9
72.5°	35.7	37.5	37.0	37.9	37.9	38.8	37.9
75°	24.2	26.0	25.1	26.5	26.0	25.1	27.3
77.5°	16.3	17.2	17.6	18.1	17.6	17.2	17.6
80°	11.5	12.3	11.9	12.3	12.3	12.3	12.8
82.5°	7.1	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)