

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: P857478

Luminaire Tested: **LX4C25D010 EX4C259840 4LBLWWH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C25D010 EX4C259840 4LBLWWH
Description:
Light Source: -
Ballast/Driver: -

Summary

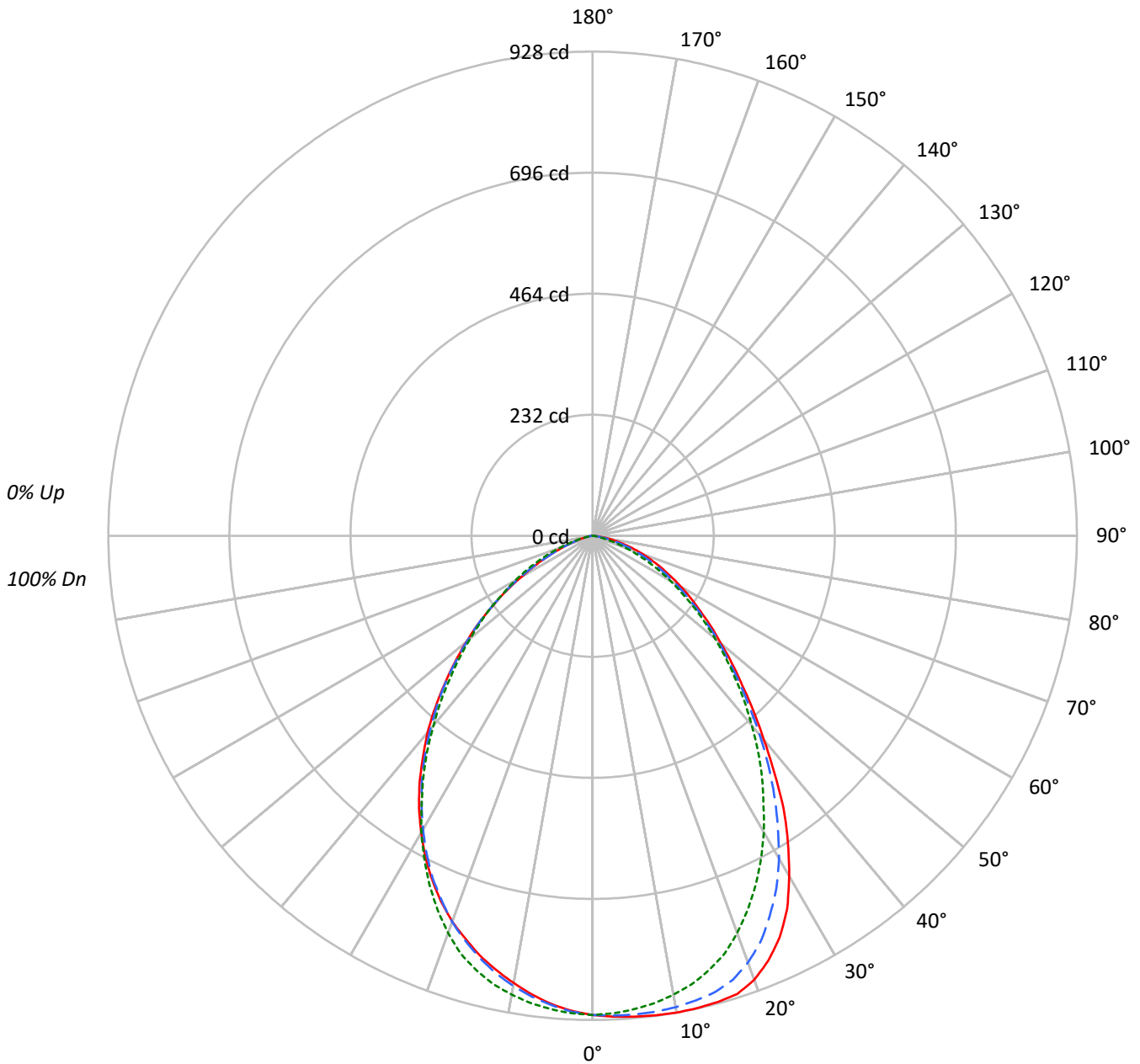
Lumens per Lamp: N/A
Luminaire Lumens: 1730.9 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V):
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			60
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53			53
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	59	53	49	47			47
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	44	43			43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39			39
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	47	41	37	35			35
10	59	47	39	34	58	46	39	34	45	39	34	44	38	34	43	38	34	32			32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	112829	112829	112829
5°	114098	112347	111126
10°	115754	111401	108581
15°	117674	109635	105985
20°	118409	105898	102852
25°	115017	100174	98643
30°	106877	93102	93159
35°	95685	84872	86671
40°	81919	76081	78856
45°	70521	67081	69601
50°	61313	58408	60166
55°	53933	50227	49799
60°	48011	41918	38625
65°	42093	33575	27907
70°	36171	23743	18894
75°	29335	13765	11060
80°	21012	6014	5518
85°	7894	2537	2537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	5.0
10°-20°	245.0	14.2
20°-30°	349.9	20.2
30°-40°	366.0	21.1
40°-50°	306.7	17.7
50°-60°	214.6	12.4
60°-70°	116.9	6.8
70°-80°	40.5	2.3
80°-90°	4.7	0.3
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°	681.5	39.4
0°-40°	1047.5	60.5
0°-60°	1568.8	90.6
0°-90°	1730.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1730.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	918	918	918	918	918	
5°	925	921	911	903	901	88
15°	925	906	862	837	833	261
25°	848	803	739	724	728	387
35°	638	607	566	570	578	396
45°	406	397	386	399	401	316
55°	252	243	234	234	232	228
65°	145	132	116	97	96	144
75°	62	50	29	23	23	67
85°	6	3	2	2	2	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4
2.5°	922.7	921.6	922.0	922.0	922.0	921.6	922.0	921.6	921.6	921.3	920.5
5°	925.2	924.5	924.5	924.5	924.1	923.8	923.8	923.4	922.7	922.3	920.9
7.5°	926.9	926.3	926.3	925.9	925.5	925.2	924.8	923.8	922.7	922.0	920.2
10°	927.9	926.9	926.9	926.3	925.5	925.2	924.5	923.0	921.6	919.8	917.4
12.5°	927.2	926.3	925.9	925.2	923.8	923.0	922.3	920.5	918.0	915.6	912.4
15°	925.2	924.5	923.8	922.7	920.9	919.8	919.1	916.4	913.1	909.6	905.7
17.5°	920.9	919.8	918.4	917.1	914.6	913.5	911.7	908.2	903.6	898.7	892.6
20°	905.7	905.0	903.6	901.1	897.3	895.8	893.3	888.8	882.7	876.8	870.4
22.5°	880.7	879.6	877.5	875.3	871.9	869.4	867.2	860.9	854.1	847.8	841.8
25°	848.5	847.4	844.7	841.8	838.2	834.0	831.9	826.9	820.2	812.1	803.3
27.5°	807.2	803.6	802.6	799.4	794.1	792.7	789.5	783.1	776.8	769.8	762.4
30°	753.4	753.4	751.4	750.0	745.0	743.6	740.1	733.4	729.8	719.9	714.3
32.5°	696.6	695.9	694.1	693.1	690.2	687.8	684.2	680.7	672.9	668.0	660.2
35°	638.0	633.8	634.5	632.3	630.6	627.7	627.3	623.5	616.4	613.6	606.6
37.5°	571.2	569.5	571.9	568.8	567.0	567.3	564.5	562.0	559.2	554.2	552.8
40°	510.8	512.2	511.9	509.0	510.4	508.6	505.9	503.4	502.0	498.8	497.7
42.5°	456.8	454.6	453.9	453.9	454.3	454.3	452.8	451.1	451.1	447.9	444.7
45°	405.9	405.9	405.2	407.3	404.1	404.1	403.1	402.7	401.3	400.6	396.7
47.5°	362.0	361.7	361.3	361.0	360.7	360.7	358.6	356.8	356.4	354.3	352.1
50°	320.8	322.9	322.2	320.4	319.7	320.0	318.6	317.5	317.2	313.7	314.1
52.5°	286.2	285.8	286.5	285.4	283.7	284.0	282.6	281.2	279.7	278.0	276.6
55°	251.8	253.6	252.9	251.8	251.5	250.8	249.8	248.0	247.6	243.7	243.4
57.5°	223.3	222.9	222.2	220.4	220.1	219.0	219.0	217.6	215.4	213.4	211.6
60°	195.4	195.4	194.3	194.0	192.5	192.2	191.8	190.4	187.9	186.2	183.3
62.5°	168.5	169.2	168.5	167.5	166.4	165.0	164.3	163.2	161.0	159.4	156.9
65°	144.8	144.5	144.1	142.7	142.3	141.0	140.6	138.5	136.3	134.9	132.2
67.5°	122.3	121.2	121.2	120.5	119.8	118.7	118.0	115.8	113.4	112.0	109.1
70°	100.7	100.0	100.0	100.0	98.2	97.1	96.8	95.8	92.2	90.8	87.9
72.5°	80.9	80.5	80.2	79.1	78.0	78.0	76.7	74.5	72.8	71.0	68.8
75°	61.8	62.5	61.8	60.4	60.0	59.4	58.3	56.5	54.8	52.6	50.2
77.5°	45.2	44.5	43.8	43.8	43.1	41.6	41.3	40.0	37.8	36.4	33.9
80°	29.7	29.3	28.6	27.9	27.6	27.2	26.8	25.4	23.3	22.3	20.2
82.5°	16.2	15.9	15.9	15.5	14.4	14.4	14.1	12.8	11.7	11.0	9.9
85°	5.6	5.6	5.6	5.3	5.3	5.3	4.9	4.5	4.3	3.9	3.2
87.5°	0.7	0.4	0.7	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4
2.5°	919.8	919.1	918.8	918.4	918.0	917.7	917.4	916.7	916.4	916.0	915.3
5°	919.8	918.4	917.7	916.7	916.0	915.3	914.2	913.1	912.1	911.0	909.9
7.5°	918.4	916.4	914.9	912.8	912.1	911.0	908.9	907.5	905.7	903.6	901.1
10°	914.9	912.4	909.6	906.8	905.7	904.0	901.1	898.7	895.8	893.0	890.5
12.5°	909.2	905.4	901.8	898.0	895.8	894.1	890.2	886.7	883.1	880.0	875.7
15°	900.7	896.2	891.6	886.3	883.8	881.7	876.0	871.9	866.1	862.0	857.7
17.5°	887.0	880.0	874.3	867.6	864.0	861.6	856.6	849.9	844.7	840.0	835.1
20°	863.3	856.6	848.8	841.4	837.5	834.4	827.3	820.2	815.0	810.0	804.7
22.5°	832.3	823.8	818.1	808.9	805.8	801.9	793.4	787.1	781.0	776.1	771.2
25°	794.5	787.1	779.3	770.8	766.9	762.4	755.2	748.5	744.6	739.0	733.0
27.5°	751.0	745.0	735.4	728.0	724.2	720.6	713.9	707.9	702.2	698.4	692.7
30°	705.1	698.1	689.5	681.7	679.7	675.4	669.4	664.8	658.8	656.3	653.8
32.5°	654.5	646.4	640.1	635.1	630.9	627.3	624.2	616.7	615.7	609.3	608.6
35°	599.4	596.0	589.9	585.7	582.1	579.7	574.4	570.8	567.0	565.9	563.4
37.5°	547.5	543.3	537.6	533.8	531.3	530.9	527.0	525.0	522.1	520.7	517.8
40°	493.1	491.3	486.4	485.7	481.8	481.5	479.4	476.9	474.4	474.4	474.8
42.5°	442.9	440.9	438.7	436.2	434.1	434.1	433.1	432.4	431.7	430.6	432.4
45°	396.0	393.2	391.7	389.2	390.3	388.2	387.6	387.6	386.5	386.1	388.5
47.5°	352.1	349.0	347.6	346.9	346.9	347.2	344.0	345.1	344.7	345.5	346.5
50°	312.3	309.4	307.3	307.3	307.7	306.2	304.9	305.9	304.9	305.6	308.0
52.5°	275.2	272.3	271.3	271.3	269.2	268.9	269.5	268.1	268.5	268.9	270.2
55°	240.9	239.2	237.4	235.6	236.0	235.2	233.8	233.5	234.2	234.5	236.3
57.5°	210.2	207.7	205.3	204.6	203.9	203.9	202.1	201.7	202.4	200.6	200.6
60°	180.8	179.4	176.3	175.2	175.2	173.4	172.0	172.7	170.9	170.6	170.9
62.5°	153.6	152.6	150.5	148.4	147.7	147.0	145.2	144.5	143.7	142.3	140.3
65°	130.0	127.5	125.0	123.6	122.6	120.8	119.8	118.3	116.2	115.5	113.4
67.5°	106.3	103.9	101.4	100.3	99.3	98.2	96.4	94.7	92.2	89.4	86.9
70°	85.5	82.3	80.9	78.0	77.4	76.0	73.5	71.7	69.2	66.1	63.6
72.5°	65.4	63.2	61.1	58.7	56.9	55.8	53.7	50.8	48.1	46.3	43.8
75°	47.0	45.9	43.1	40.3	39.6	38.2	35.7	33.9	31.8	29.0	26.8
77.5°	31.8	29.7	27.9	25.4	24.7	23.3	21.9	20.2	18.7	16.9	15.5
80°	18.7	16.9	15.9	14.1	13.5	12.8	11.7	10.3	9.2	8.5	8.1
82.5°	9.2	7.8	7.4	6.3	6.0	5.6	4.9	4.5	3.9	3.9	3.9
85°	3.2	2.5	2.5	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4
2.5°	914.9	914.6	914.2	913.9	913.9	913.5	913.5	913.1	913.1	912.8	912.8
5°	908.6	907.5	906.8	906.1	906.1	905.0	904.3	903.6	903.2	903.2	902.5
7.5°	899.7	898.3	896.9	895.8	895.5	893.7	892.3	892.3	890.9	890.2	889.5
10°	888.1	885.6	883.4	882.4	881.0	880.0	878.2	877.1	876.0	874.3	873.9
12.5°	872.1	870.4	867.2	865.8	865.1	862.9	860.2	858.7	858.4	857.0	855.9
15°	854.1	850.3	847.4	845.6	845.6	842.2	840.7	838.6	837.2	836.1	835.7
17.5°	830.8	826.9	824.1	821.7	820.9	818.1	816.0	815.3	813.5	814.2	812.5
20°	800.8	797.7	795.5	792.3	792.3	790.5	789.9	788.1	787.4	786.7	787.4
22.5°	768.7	764.8	761.3	760.9	760.9	758.4	758.1	757.7	756.3	757.4	757.0
25°	730.9	728.0	726.0	725.6	725.6	724.2	722.8	723.5	724.5	724.2	725.3
27.5°	691.6	688.9	688.2	687.8	687.1	686.7	687.4	687.4	688.5	689.9	691.3
30°	649.3	648.6	647.5	647.1	646.4	648.2	648.9	650.0	649.6	651.8	653.1
32.5°	606.9	605.5	605.1	605.8	606.9	606.6	608.6	609.3	610.0	612.5	613.6
35°	564.1	563.8	563.0	563.0	563.4	566.3	566.3	568.8	570.2	570.8	573.7
37.5°	518.2	519.6	520.3	521.4	521.8	522.8	523.5	525.9	527.4	528.8	530.2
40°	476.2	475.5	478.7	476.5	477.3	480.4	481.8	481.5	483.6	485.7	487.2
42.5°	431.3	432.4	433.1	433.7	435.5	435.9	437.7	440.2	440.9	443.3	444.0
45°	387.9	388.2	389.6	391.0	392.1	395.0	395.7	396.7	398.8	398.8	399.9
47.5°	346.9	348.3	348.3	350.5	352.1	351.8	354.3	355.0	354.6	356.4	357.1
50°	307.7	309.8	309.4	310.9	311.6	311.9	314.1	314.8	313.4	315.1	315.4
52.5°	270.2	271.3	272.7	273.1	272.3	274.1	273.4	274.8	274.5	275.9	274.5
55°	236.0	235.6	235.6	236.3	235.6	236.3	237.0	235.6	234.5	236.0	235.6
57.5°	201.7	201.7	201.0	202.1	201.0	199.9	199.6	198.5	197.4	197.4	197.1
60°	169.5	168.9	167.5	167.1	167.1	165.3	164.6	163.2	163.2	161.8	160.3
62.5°	139.6	137.8	136.7	136.7	136.0	134.2	131.1	128.9	128.2	126.1	125.7
65°	111.3	109.5	108.4	106.3	104.6	103.9	100.7	98.2	97.1	95.1	95.4
67.5°	85.5	82.7	79.5	78.0	77.0	74.5	73.5	71.7	70.6	70.6	70.6
70°	61.4	59.0	55.8	54.8	54.0	51.9	50.8	50.5	51.5	51.2	51.5
72.5°	41.3	38.9	37.5	36.7	36.0	35.0	35.7	36.0	35.3	35.7	36.0
75°	25.1	24.3	23.3	22.9	22.9	23.3	22.9	22.9	23.3	23.3	23.6
77.5°	14.4	13.7	13.7	13.5	14.1	13.7	13.7	13.7	14.1	14.1	14.1
80°	7.8	7.8	7.8	7.8	8.1	7.8	8.1	8.1	8.1	8.1	8.1
82.5°	3.9	3.9	3.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.9
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4
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: LX4C25D010 EX4C259840 4LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4
2.5°	912.1	912.1	912.1	911.4	911.7	911.7	911.4	911.4
5°	902.2	901.8	901.1	901.1	900.4	901.1	900.7	901.1
7.5°	888.8	888.8	887.7	887.7	887.4	887.0	886.7	887.0
10°	872.8	872.8	872.1	871.9	872.1	870.8	870.8	870.4
12.5°	855.2	854.5	853.8	854.1	853.8	852.8	852.4	852.8
15°	834.8	833.7	834.0	833.0	833.0	832.6	833.3	833.3
17.5°	812.1	811.4	810.7	811.0	810.3	810.7	810.3	810.0
20°	787.1	786.7	786.7	785.3	785.6	785.3	785.6	786.7
22.5°	758.1	757.7	758.1	757.0	757.7	757.7	758.8	758.8
25°	726.2	726.0	726.6	726.9	727.3	728.4	727.3	727.7
27.5°	690.9	692.0	693.1	693.4	694.8	693.8	693.1	694.1
30°	655.3	655.3	654.9	656.3	657.4	658.5	656.7	656.7
32.5°	614.3	616.1	616.1	616.4	617.4	617.4	617.4	618.9
35°	575.1	576.2	576.5	575.1	575.8	575.4	577.9	577.9
37.5°	531.3	531.3	531.7	534.2	534.2	533.1	533.8	533.8
40°	489.6	489.9	488.5	489.2	491.0	490.3	491.0	491.7
42.5°	444.0	446.5	445.1	445.8	445.4	445.8	446.1	446.1
45°	400.6	401.3	401.3	401.6	402.4	403.1	400.9	400.6
47.5°	358.2	358.6	359.6	357.9	360.0	357.9	360.0	357.5
50°	315.4	316.8	315.8	316.5	315.4	315.4	315.1	314.8
52.5°	274.8	274.5	274.5	274.1	274.1	274.8	274.1	275.2
55°	234.2	234.5	233.8	233.5	233.1	234.2	233.1	232.5
57.5°	195.7	196.4	195.0	195.7	193.2	194.3	194.7	195.0
60°	160.0	159.0	159.0	157.6	157.6	158.6	157.2	157.2
62.5°	124.0	124.7	123.6	125.0	125.0	126.4	125.7	126.4
65°	95.1	95.4	95.8	95.8	95.8	97.8	97.1	96.0
67.5°	71.7	72.1	72.4	72.1	73.1	72.4	72.4	72.8
70°	51.9	52.3	52.6	52.6	52.3	52.6	52.6	52.6
72.5°	36.0	36.4	36.0	36.4	36.7	36.4	36.4	36.7
75°	23.6	23.6	23.3	23.3	23.3	23.3	23.6	23.3
77.5°	13.7	14.1	13.7	14.1	14.1	14.1	14.1	14.1
80°	8.1	8.1	8.1	7.8	8.1	8.1	8.1	7.8
82.5°	4.3	4.3	3.9	3.9	4.3	4.3	4.3	4.3
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)