

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: P857465

Luminaire Tested: **LX4C25D010 EX4C259835 4LBLWWH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857465
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 EX4C259835 4LBLWWH
Description:
Light Source: -
Ballast/Driver: -

Summary

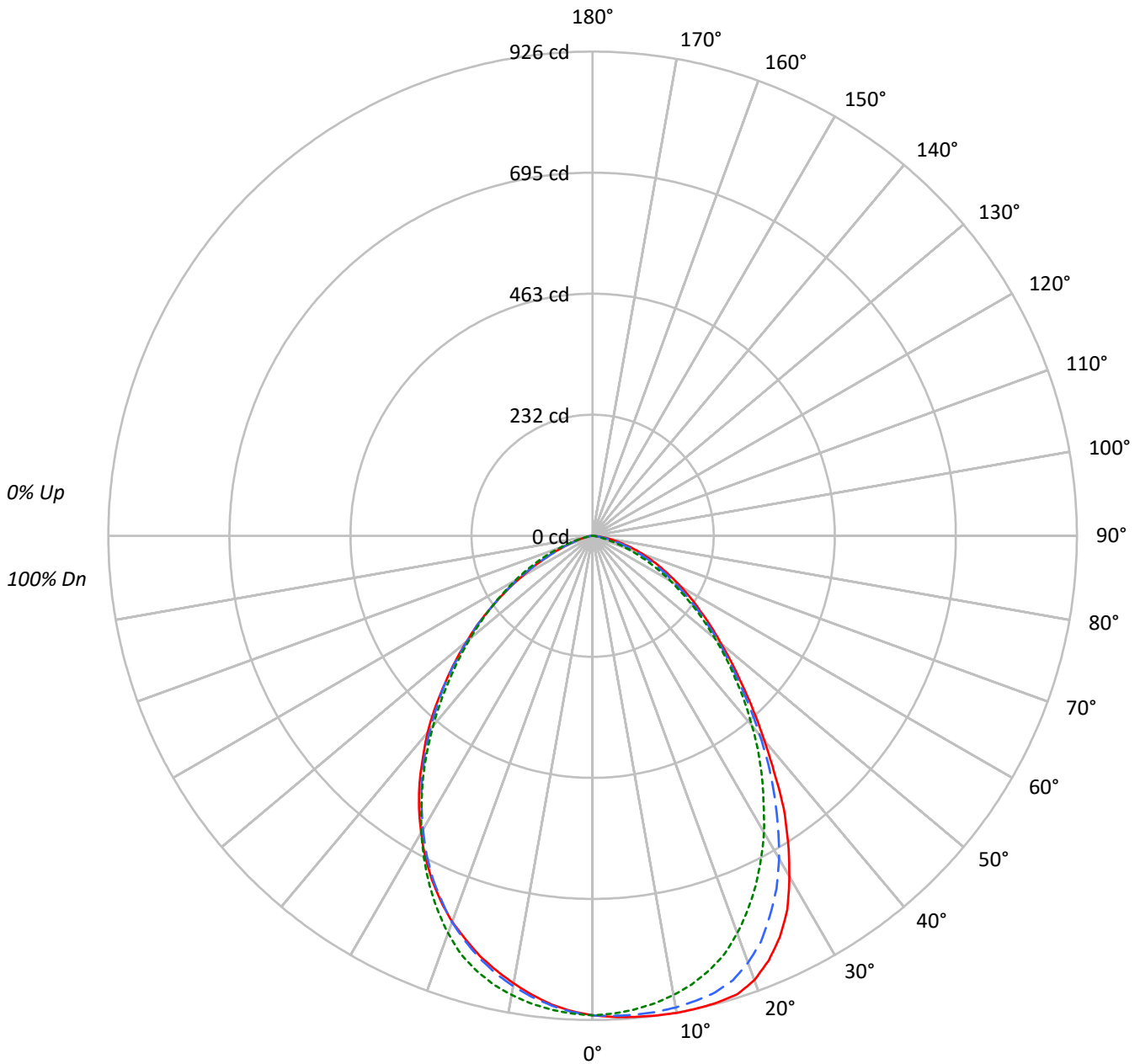
Lumens per Lamp: N/A
Luminaire Lumens: 1728.2 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	112669	112669	112669
5°	113926	112174	110966
10°	115580	111238	108419
15°	117496	109457	105820
20°	118226	105728	102682
25°	114841	100012	98493
30°	106721	92960	93017
35°	95535	84737	86536
40°	81791	75969	78744
45°	70417	66977	69479
50°	61199	58313	60052
55°	53868	50163	49713
60°	47913	41844	38551
65°	42035	33517	27907
70°	36100	23707	18858
75°	29287	13718	11060
80°	20942	6014	5518
85°	7894	2537	2537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	5.0
10°-20°	244.6	14.2
20°-30°	349.3	20.2
30°-40°	365.4	21.1
40°-50°	306.2	17.7
50°-60°	214.3	12.4
60°-70°	116.7	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°	680.4	39.4
0°-40°	1045.8	60.5
0°-60°	1566.3	90.6
0°-90°	1728.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1728.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	917	917	917	917	917	
5°	924	920	910	902	900	88
15°	924	904	861	836	832	261
25°	847	802	738	723	727	387
35°	637	606	565	569	577	395
45°	405	396	386	398	400	315
55°	252	243	234	234	232	227
65°	145	132	115	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°	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1
2.5°	921.3	920.2	920.5	920.5	920.5	920.2	920.5	920.2	920.2	919.8	919.1
5°	923.8	923.0	923.0	923.0	922.7	922.3	922.3	922.0	921.3	920.9	919.5
7.5°	925.4	924.8	924.8	924.5	924.1	923.8	923.4	922.3	921.3	920.5	918.8
10°	926.5	925.4	925.4	924.8	924.1	923.8	923.0	921.6	920.2	918.4	916.0
12.5°	925.8	924.8	924.5	923.8	922.3	921.6	920.9	919.1	916.7	914.2	911.0
15°	923.8	923.0	922.3	921.3	919.5	918.4	917.7	914.9	911.7	908.2	904.3
17.5°	919.5	918.4	917.1	915.6	913.1	912.1	910.3	906.8	902.2	897.3	891.3
20°	904.3	903.6	902.2	899.8	895.8	894.4	892.0	887.4	881.4	875.4	869.1
22.5°	879.3	878.2	876.1	874.0	870.4	868.0	865.9	859.5	852.9	846.4	840.5
25°	847.2	846.2	843.3	840.5	837.0	832.7	830.6	825.7	819.0	810.9	802.0
27.5°	806.0	802.4	801.3	798.2	792.8	791.4	788.3	782.0	775.5	768.5	761.1
30°	752.3	752.3	750.2	748.8	743.9	742.5	738.9	732.2	728.6	718.8	713.1
32.5°	695.6	694.8	693.1	692.0	689.1	686.7	683.2	679.7	671.9	666.9	659.2
35°	637.0	632.8	633.5	631.4	629.6	626.7	626.4	622.5	615.5	612.6	605.6
37.5°	570.4	568.6	571.0	567.9	566.1	566.4	563.6	561.2	558.3	553.4	552.0
40°	510.0	511.4	511.1	508.2	509.6	507.8	505.1	502.6	501.2	498.0	497.0
42.5°	456.0	453.9	453.2	453.2	453.5	453.5	452.2	450.4	450.4	447.2	444.1
45°	405.3	405.3	404.6	406.6	403.5	403.5	402.4	402.1	400.7	399.9	396.1
47.5°	361.5	361.2	360.8	360.4	360.1	360.1	358.0	356.3	355.9	353.8	351.6
50°	320.2	322.4	321.7	319.9	319.2	319.5	318.2	317.1	316.7	313.2	313.5
52.5°	285.7	285.4	286.1	285.0	283.2	283.6	282.1	280.7	279.4	277.6	276.2
55°	251.5	253.3	252.5	251.5	251.1	250.4	249.3	247.6	247.3	243.4	243.0
57.5°	222.9	222.6	221.9	220.1	219.7	218.7	218.7	217.2	215.2	213.0	211.3
60°	195.0	195.0	194.0	193.6	192.3	191.9	191.5	190.1	187.6	185.8	183.1
62.5°	168.3	169.0	168.3	167.2	166.1	164.7	164.0	162.9	160.9	159.1	156.6
65°	144.6	144.3	143.9	142.5	142.1	140.7	140.4	138.2	136.2	134.7	131.9
67.5°	122.0	121.0	121.0	120.3	119.6	118.5	117.8	115.7	113.3	111.8	109.0
70°	100.5	99.8	99.8	99.8	98.1	97.0	96.7	95.6	92.0	90.6	87.8
72.5°	80.8	80.4	80.1	79.0	77.9	77.9	76.5	74.5	72.7	70.9	68.8
75°	61.7	62.4	61.7	60.3	59.9	59.2	58.2	56.4	54.7	52.5	50.1
77.5°	45.1	44.4	43.7	43.7	43.1	41.6	41.3	39.9	37.7	36.3	33.9
80°	29.6	29.2	28.5	27.8	27.6	27.2	26.8	25.4	23.3	22.2	20.1
82.5°	16.2	15.9	15.9	15.5	14.4	14.4	14.1	12.7	11.7	11.0	9.9
85°	5.6	5.6	5.6	5.3	5.3	5.3	4.9	4.5	4.2	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°	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1
2.5°	918.4	917.7	917.3	917.1	916.7	916.4	916.0	915.3	914.9	914.6	913.9
5°	918.4	917.1	916.4	915.3	914.6	913.9	912.8	911.7	910.6	909.6	908.6
7.5°	917.1	914.9	913.5	911.4	910.6	909.6	907.5	906.1	904.3	902.2	899.8
10°	913.5	911.0	908.2	905.4	904.3	902.5	899.8	897.3	894.4	891.7	889.2
12.5°	907.9	904.0	900.5	896.6	894.4	892.7	888.8	885.3	881.8	878.5	874.4
15°	899.4	894.8	890.2	885.0	882.5	880.3	874.7	870.4	864.8	860.6	856.3
17.5°	885.6	878.5	872.9	866.2	862.7	860.3	855.3	848.6	843.3	838.7	833.8
20°	862.0	855.3	847.5	840.1	836.3	833.1	826.0	819.0	813.7	808.7	803.5
22.5°	830.9	822.5	816.8	807.7	804.5	800.6	792.1	785.8	779.8	774.9	769.9
25°	793.2	785.8	778.0	769.6	765.7	761.1	754.1	747.4	743.5	737.8	731.9
27.5°	749.9	743.9	734.3	726.9	723.0	719.5	712.8	706.8	701.2	697.3	691.6
30°	704.0	696.9	688.5	680.8	678.6	674.3	668.4	663.8	657.7	655.3	652.8
32.5°	653.6	645.4	639.1	634.1	629.9	626.4	623.2	615.8	614.8	608.4	607.7
35°	598.5	595.0	589.0	584.8	581.2	578.7	573.5	570.0	566.1	565.0	562.6
37.5°	546.7	542.4	536.8	532.9	530.5	530.1	526.2	524.1	521.3	519.9	517.0
40°	492.3	490.6	485.6	484.9	481.1	480.7	478.6	476.2	473.7	473.7	474.0
42.5°	442.3	440.2	438.0	435.6	433.5	433.5	432.4	431.7	431.0	429.9	431.7
45°	395.4	392.5	391.1	388.7	389.7	387.6	386.9	386.9	385.9	385.5	388.0
47.5°	351.6	348.5	347.1	346.4	346.4	346.7	343.5	344.6	344.2	344.9	346.0
50°	311.8	309.0	306.8	306.8	307.2	305.8	304.4	305.4	304.4	305.1	307.6
52.5°	274.7	271.9	270.9	270.9	268.8	268.4	269.1	267.7	268.1	268.4	269.8
55°	240.5	238.8	237.0	235.2	235.6	234.9	233.5	233.1	233.8	234.2	236.0
57.5°	209.8	207.4	204.9	204.2	203.5	203.5	201.7	201.4	202.1	200.4	200.4
60°	180.6	179.2	176.0	175.0	175.0	173.2	171.7	172.5	170.7	170.3	170.7
62.5°	153.5	152.4	150.3	148.1	147.4	146.7	145.0	144.3	143.6	142.1	140.0
65°	129.8	127.3	124.8	123.4	122.3	120.7	119.6	118.2	116.0	115.3	113.3
67.5°	106.2	103.7	101.2	100.1	99.1	98.1	96.3	94.5	92.0	89.3	86.8
70°	85.3	82.2	80.8	77.9	77.2	75.8	73.4	71.6	69.1	66.0	63.5
72.5°	65.3	63.1	61.0	58.6	56.8	55.7	53.6	50.8	48.0	46.2	43.7
75°	46.9	45.8	43.1	40.2	39.5	38.1	35.6	33.9	31.7	28.9	26.8
77.5°	31.7	29.6	27.8	25.4	24.7	23.3	21.8	20.1	18.7	16.9	15.5
80°	18.7	16.9	15.9	14.1	13.4	12.7	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°	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1
2.5°	913.5	913.1	912.8	912.4	912.4	912.1	912.1	911.7	911.7	911.4	911.4
5°	907.2	906.1	905.4	904.7	904.7	903.6	902.9	902.2	901.8	901.8	901.2
7.5°	898.3	896.9	895.5	894.4	894.1	892.4	890.9	890.9	889.5	888.8	888.1
10°	886.7	884.3	882.1	881.0	879.6	878.5	876.8	875.8	874.7	872.9	872.6
12.5°	870.8	869.1	865.9	864.5	863.7	861.7	858.8	857.4	857.1	855.6	854.6
15°	852.9	848.9	846.2	844.4	844.4	840.8	839.4	837.3	835.9	834.8	834.5
17.5°	829.6	825.7	822.8	820.4	819.7	816.8	814.7	814.1	812.3	813.0	811.2
20°	799.5	796.4	794.3	791.1	791.1	789.4	788.7	786.9	786.2	785.4	786.2
22.5°	767.4	763.6	760.0	759.7	759.7	757.3	756.9	756.6	755.1	756.2	755.8
25°	729.7	726.9	724.8	724.5	724.5	723.0	721.6	722.3	723.4	723.0	724.1
27.5°	690.6	687.8	687.1	686.7	686.0	685.7	686.4	686.4	687.4	688.8	690.2
30°	648.3	647.6	646.5	646.2	645.4	647.2	647.9	649.0	648.7	650.7	652.1
32.5°	605.9	604.5	604.2	604.9	605.9	605.6	607.7	608.4	609.1	611.6	612.6
35°	563.2	562.9	562.2	562.2	562.6	565.4	565.4	567.9	569.3	570.0	572.8
37.5°	517.4	518.8	519.5	520.6	521.0	522.0	522.7	525.1	526.6	528.0	529.4
40°	475.5	474.8	477.9	475.8	476.5	479.7	481.1	480.7	482.9	484.9	486.4
42.5°	430.6	431.7	432.4	433.1	434.9	435.3	437.0	439.5	440.2	442.7	443.4
45°	387.3	387.6	389.1	390.4	391.5	394.3	395.0	396.1	398.2	398.2	399.2
47.5°	346.4	347.8	347.8	349.9	351.6	351.3	353.8	354.5	354.1	355.9	356.6
50°	307.2	309.3	309.0	310.4	311.0	311.4	313.5	314.2	312.8	314.6	315.0
52.5°	269.8	270.9	272.2	272.6	271.9	273.7	273.0	274.4	274.0	275.5	274.0
55°	235.6	235.2	235.2	236.0	235.2	236.0	236.7	235.2	234.2	235.6	235.2
57.5°	201.4	201.4	200.7	201.7	200.7	199.7	199.3	198.2	197.2	197.2	196.8
60°	169.3	168.6	167.2	166.8	166.8	165.1	164.3	162.9	162.9	161.5	160.2
62.5°	139.3	137.6	136.5	136.5	135.8	134.0	130.8	128.8	128.1	125.9	125.6
65°	111.1	109.3	108.3	106.2	104.4	103.7	100.5	98.1	97.0	94.9	95.2
67.5°	85.3	82.6	79.4	77.9	76.9	74.5	73.4	71.6	70.5	70.5	70.5
70°	61.4	58.9	55.7	54.7	54.0	51.8	50.8	50.5	51.5	51.2	51.5
72.5°	41.3	38.8	37.4	36.7	35.9	35.0	35.6	35.9	35.3	35.6	35.9
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	13.4	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	4.2	4.2	4.2	4.2	4.2	4.2	4.2	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 EX4C259835 4LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1
2.5°	910.6	910.6	910.6	909.9	910.3	910.3	909.9	909.9
5°	900.8	900.5	899.8	899.8	899.1	899.8	899.4	899.8
7.5°	887.4	887.4	886.3	886.3	885.9	885.6	885.3	885.6
10°	871.5	871.5	870.8	870.4	870.8	869.4	869.4	869.1
12.5°	853.9	853.2	852.5	852.9	852.5	851.4	851.1	851.4
15°	833.4	832.4	832.7	831.6	831.6	831.3	832.0	832.0
17.5°	810.9	810.1	809.4	809.8	809.1	809.4	809.1	808.7
20°	785.8	785.4	785.4	784.0	784.4	784.0	784.4	785.4
22.5°	756.9	756.6	756.9	755.8	756.6	756.6	757.6	757.6
25°	725.2	724.8	725.5	725.9	726.2	727.3	726.2	726.6
27.5°	689.9	690.9	692.0	692.3	693.8	692.7	692.0	693.1
30°	654.3	654.3	653.9	655.3	656.4	657.4	655.7	655.7
32.5°	613.3	615.1	615.1	615.5	616.6	616.6	616.6	617.9
35°	574.2	575.3	575.6	574.2	574.9	574.5	577.0	577.0
37.5°	530.5	530.5	530.9	533.3	533.3	532.2	532.9	532.9
40°	488.9	489.2	487.8	488.5	490.3	489.6	490.3	491.0
42.5°	443.4	445.8	444.4	445.1	444.7	445.1	445.4	445.4
45°	399.9	400.7	400.7	401.0	401.7	402.4	400.3	399.9
47.5°	357.7	358.0	359.0	357.3	359.4	357.3	359.4	357.0
50°	315.0	316.4	315.3	316.0	315.0	315.0	314.6	314.2
52.5°	274.4	274.0	274.0	273.7	273.7	274.4	273.7	274.7
55°	233.8	234.2	233.5	233.1	232.7	233.8	232.7	232.1
57.5°	195.4	196.1	194.7	195.4	192.9	194.0	194.3	194.7
60°	159.8	158.7	158.7	157.3	157.3	158.4	156.9	156.9
62.5°	123.8	124.5	123.4	124.8	124.8	126.3	125.6	126.3
65°	94.9	95.2	95.6	95.6	95.6	97.7	97.0	96.0
67.5°	71.6	72.0	72.3	72.0	73.0	72.3	72.3	72.7
70°	51.8	52.2	52.5	52.5	52.2	52.5	52.5	52.5
72.5°	35.9	36.3	35.9	36.3	36.7	36.3	36.3	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°	4.2	4.2	3.9	3.9	4.2	4.2	4.2	4.2
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)