

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: P684079

Luminaire Tested: **LX6C15D010 EX6C159050 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C15D010 EX6C159050 6LBLWWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

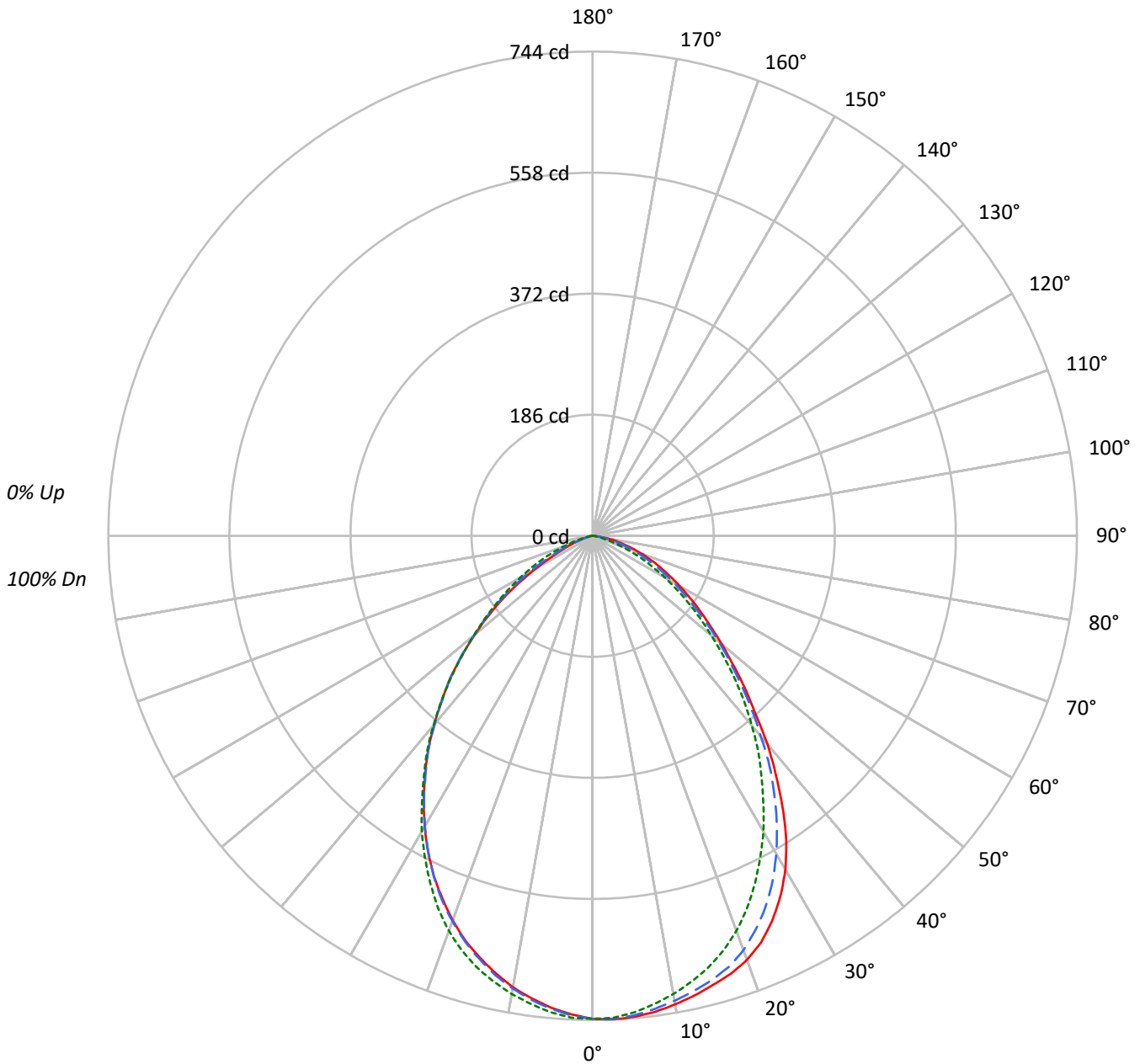
Lumens per Lamp: N/A
Luminaire Lumens: 1350.0 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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									
RC	80									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																			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54																			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39																			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	40688	40688	40688
5°	40826	40458	40062
10°	40703	39801	39217
15°	40551	38979	38071
20°	40458	37692	36689
25°	39474	35675	34889
30°	37506	33227	32676
35°	34044	30249	30048
40°	29870	27222	27079
45°	25607	23793	23979
50°	22046	20272	20170
55°	19268	17118	16066
60°	16928	14034	10964
65°	14826	10870	6603
70°	12630	7325	3879
75°	10188	3813	2118
80°	7103	1484	1168
85°	2830	440	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	5.2
10°-20°	194.2	14.4
20°-30°	276.3	20.5
30°-40°	290.9	21.5
40°-50°	242.4	18.0
50°-60°	163.8	12.1
60°-70°	83.0	6.2
70°-80°	26.8	2.0
80°-90°	3.1	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°	540.1	40.0
0°-40°	830.9	61.6
0°-60°	1237.1	91.6
0°-90°	1350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1350.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	742	742	742	742	742	
5°	742	740	735	730	728	70
15°	714	707	687	673	671	202
25°	653	629	590	578	577	299
35°	509	487	452	448	449	317
45°	330	322	307	308	309	256
55°	202	192	179	174	168	181
65°	114	103	84	61	51	114
75°	48	38	18	10	10	52
85°	4	2	1	1	1	8
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°	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2
2.5°	743.9	743.9	743.9	743.9	743.9	743.9	743.7	743.7	743.2	743.2	742.9
5°	741.9	742.2	742.2	741.9	741.9	741.4	741.4	741.2	740.4	739.9	739.7
7.5°	737.7	737.7	737.4	737.2	736.9	736.2	735.9	735.2	734.7	734.2	733.2
10°	731.2	731.2	731.0	730.5	730.2	729.7	729.7	728.7	727.7	726.5	725.7
12.5°	723.5	723.7	723.2	723.0	722.2	722.0	721.5	720.2	719.5	718.0	716.7
15°	714.5	715.0	715.0	714.0	713.2	713.0	712.2	711.5	709.7	708.3	706.8
17.5°	705.8	706.3	705.8	705.0	704.3	703.3	702.8	701.3	699.0	697.0	694.8
20°	693.5	694.3	693.3	692.0	690.5	690.3	689.5	687.0	683.8	680.8	677.6
22.5°	676.3	675.8	675.1	674.6	672.1	670.6	669.6	666.3	662.8	658.9	654.9
25°	652.6	653.6	652.1	649.9	648.6	647.1	644.6	641.1	637.9	633.7	628.9
27.5°	624.7	624.7	622.7	621.9	619.2	617.2	615.9	612.5	608.2	604.0	598.7
30°	592.5	591.0	591.0	587.5	585.3	584.5	583.3	577.5	573.8	569.3	564.1
32.5°	553.6	553.3	552.3	550.1	547.1	544.6	544.6	540.6	535.6	530.1	526.9
35°	508.7	508.9	508.4	505.9	505.9	502.9	502.4	498.9	495.0	490.7	486.7
37.5°	462.3	463.3	462.3	461.0	460.3	460.0	457.8	455.3	452.3	449.8	446.8
40°	417.4	415.9	416.4	413.9	414.1	413.6	412.6	409.4	407.6	405.1	401.9
42.5°	369.0	370.5	371.0	369.5	369.0	368.0	369.0	367.7	365.7	364.5	361.5
45°	330.3	328.8	329.6	329.1	329.3	327.3	326.6	326.1	325.3	323.1	321.8
47.5°	291.9	292.1	291.9	290.9	290.4	290.4	289.4	287.9	287.9	286.4	285.4
50°	258.5	258.5	259.0	257.7	257.2	256.2	256.5	255.0	254.0	252.7	252.0
52.5°	227.8	228.0	227.0	227.3	226.8	226.8	225.8	224.8	223.8	221.5	221.0
55°	201.6	201.8	200.6	201.1	199.6	198.8	198.3	196.8	196.8	194.6	191.8
57.5°	177.1	176.9	176.6	175.9	174.9	174.1	173.4	171.6	170.9	169.4	167.1
60°	154.4	154.2	153.7	153.4	152.7	150.9	150.9	149.7	147.2	145.7	143.4
62.5°	133.0	133.0	132.7	132.0	131.2	130.5	130.0	129.0	126.5	124.7	122.7
65°	114.3	114.0	113.3	112.0	111.5	111.5	109.8	109.0	107.0	105.3	103.0
67.5°	96.3	95.3	94.8	95.0	93.6	93.6	92.1	90.8	89.1	86.1	84.3
70°	78.8	78.3	77.8	77.3	77.1	76.1	75.3	73.8	72.1	69.9	67.1
72.5°	63.1	63.1	62.4	61.9	61.1	60.1	59.6	58.4	56.4	53.9	51.9
75°	48.1	48.1	48.1	47.2	46.7	46.2	44.7	43.9	41.7	40.2	37.7
77.5°	35.4	34.9	34.2	33.9	33.4	32.9	32.2	30.9	28.9	27.2	25.7
80°	22.5	23.2	22.5	22.5	21.2	20.7	20.5	19.0	18.2	16.7	15.5
82.5°	12.5	12.7	12.2	12.0	11.2	11.0	11.0	10.0	9.5	8.5	7.7
85°	4.5	4.7	4.5	4.5	4.0	4.2	4.0	3.7	3.2	2.7	2.5
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2
2.5°	742.9	742.4	742.4	742.2	741.9	741.9	741.9	741.7	741.2	741.2	740.9
5°	739.2	738.7	737.9	737.4	737.2	736.9	736.7	736.4	735.4	735.2	734.4
7.5°	732.4	732.0	730.7	730.2	729.5	729.2	728.2	727.7	726.7	725.7	725.2
10°	724.5	723.2	722.2	721.0	720.5	719.7	718.5	717.0	716.2	715.0	714.0
12.5°	715.5	714.0	712.0	710.5	710.0	708.7	706.8	705.5	703.8	701.8	700.0
15°	704.3	702.5	700.8	698.0	697.3	695.8	693.8	691.3	688.8	686.8	684.8
17.5°	692.0	689.3	686.5	683.6	681.3	680.6	677.3	673.8	671.6	668.1	665.8
20°	674.8	671.1	666.6	663.6	661.6	659.4	655.6	651.9	649.1	646.1	642.9
22.5°	651.1	647.6	642.4	637.9	636.4	633.2	629.9	626.4	622.9	619.7	615.7
25°	623.2	619.4	614.2	609.7	607.2	605.7	599.5	596.0	592.5	589.8	587.0
27.5°	594.5	587.8	584.3	577.3	575.0	574.5	568.8	565.1	561.3	557.6	554.1
30°	559.1	553.8	548.6	543.6	540.6	538.9	534.6	529.9	527.4	524.9	521.4
32.5°	522.4	517.7	511.2	506.4	504.2	501.7	497.9	494.7	491.0	488.2	487.5
35°	483.2	478.0	472.5	469.0	468.5	465.5	461.8	459.0	456.3	452.0	451.3
37.5°	441.3	438.3	434.6	429.6	427.3	427.3	423.6	421.6	418.1	417.9	415.9
40°	400.2	398.9	393.2	391.7	391.2	387.7	386.7	383.2	380.7	380.4	377.5
42.5°	359.5	356.2	355.2	352.8	350.5	350.0	347.8	346.3	345.3	343.8	342.3
45°	319.1	318.3	315.8	314.1	313.3	312.3	311.6	308.6	308.1	306.9	306.1
47.5°	284.1	282.2	279.9	277.9	277.7	276.2	274.4	274.4	271.7	271.4	270.9
50°	249.5	248.0	246.7	244.0	244.5	242.5	242.2	240.0	238.7	237.7	239.0
52.5°	219.0	216.0	215.5	213.3	212.6	212.8	210.1	209.3	208.8	207.8	207.3
55°	190.1	188.6	186.6	185.1	183.9	182.6	181.6	181.6	178.9	179.1	177.9
57.5°	164.7	163.4	160.9	158.7	158.2	156.7	155.4	154.2	153.9	152.2	150.9
60°	141.9	139.7	136.5	135.5	134.0	132.7	131.5	130.0	129.2	128.0	125.7
62.5°	120.7	117.0	115.8	113.8	112.0	111.3	109.3	107.5	106.3	104.5	102.8
65°	100.5	97.8	95.5	93.3	93.1	91.1	89.3	87.8	85.3	83.8	80.6
67.5°	82.1	79.6	77.1	74.8	73.1	72.6	69.9	68.1	66.4	63.4	60.6
70°	65.1	62.6	60.6	57.9	57.1	55.1	53.1	51.4	48.4	45.7	43.4
72.5°	49.6	46.9	44.7	42.7	41.4	39.7	37.7	35.7	32.7	29.9	27.9
75°	35.4	33.4	31.2	29.2	28.2	27.2	24.9	22.7	20.7	18.0	16.2
77.5°	23.9	22.0	20.0	18.2	17.0	16.2	14.7	13.0	11.2	9.7	8.5
80°	14.0	12.7	11.2	9.7	9.5	8.7	7.5	6.5	5.5	4.7	3.7
82.5°	6.7	6.0	5.0	4.2	3.7	3.5	3.0	2.5	2.0	1.7	1.7
85°	2.0	1.7	1.5	1.2	1.0	1.0	0.7	0.7	0.7	0.7	0.7
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2
2.5°	740.2	739.9	739.7	739.4	738.9	738.9	738.2	737.7	737.7	737.2	736.9
5°	733.7	732.9	732.7	732.2	731.7	731.5	730.5	730.2	729.7	729.2	729.2
7.5°	724.5	723.5	722.5	722.0	721.7	721.0	720.5	720.2	719.5	719.0	718.0
10°	712.2	711.5	710.2	709.7	709.2	708.7	707.5	706.8	706.5	706.0	705.5
12.5°	698.0	697.0	695.8	694.8	694.3	693.5	692.3	691.5	691.5	690.5	690.5
15°	682.8	681.3	679.1	678.1	677.8	676.3	675.3	674.3	673.1	672.6	672.6
17.5°	663.3	660.9	658.9	658.9	657.9	656.4	654.9	654.1	653.4	652.4	651.9
20°	640.4	638.6	636.4	636.4	634.2	633.7	632.2	631.9	630.2	630.4	629.7
22.5°	612.7	611.7	610.5	609.5	608.2	606.7	606.0	606.2	605.5	605.2	605.0
25°	584.8	582.0	580.5	580.0	579.5	578.3	577.8	577.5	577.5	576.8	577.0
27.5°	552.6	550.6	548.6	549.3	548.3	547.6	547.1	546.3	546.8	546.6	546.8
30°	519.7	517.2	515.9	516.4	516.2	514.2	515.2	514.9	515.2	515.2	515.7
32.5°	485.0	483.2	483.0	483.2	481.0	481.2	480.2	481.7	482.0	483.5	482.2
35°	449.8	448.8	447.1	446.8	447.1	446.8	446.8	447.8	447.6	449.0	448.6
37.5°	413.6	413.1	411.4	411.9	410.9	412.6	413.1	412.6	414.4	413.9	413.6
40°	378.2	377.5	376.5	378.4	377.2	376.2	378.0	376.5	377.0	378.4	378.4
42.5°	342.3	341.0	341.0	341.0	340.8	340.8	341.5	342.3	341.8	342.0	344.0
45°	306.1	305.9	305.1	305.6	305.4	306.6	306.6	307.1	308.1	309.1	308.6
47.5°	271.2	270.7	271.4	270.9	271.2	270.4	270.9	272.4	273.7	271.9	273.7
50°	238.5	237.5	237.2	238.0	237.7	237.5	238.0	238.0	237.5	237.5	239.2
52.5°	207.3	206.3	205.6	206.8	206.1	206.3	205.3	205.3	205.8	205.3	204.6
55°	178.1	177.4	176.4	176.9	175.6	175.4	174.4	174.4	173.6	173.1	171.6
57.5°	150.2	149.7	147.4	147.2	147.4	145.7	143.9	143.2	141.2	140.7	140.5
60°	125.5	122.7	121.5	120.0	119.0	118.2	116.3	115.0	112.0	110.3	110.0
62.5°	99.8	98.5	97.0	94.8	94.3	91.8	89.8	86.6	85.1	82.8	80.6
65°	79.1	75.8	73.6	72.3	70.4	68.1	65.9	62.4	60.6	57.9	55.6
67.5°	57.9	55.1	52.1	51.1	49.4	46.7	44.4	41.4	39.9	37.4	36.7
70°	39.7	37.2	34.9	33.4	32.2	29.4	27.2	26.2	24.7	24.2	24.2
72.5°	25.4	23.2	20.7	20.0	19.0	17.5	16.0	15.5	16.0	15.7	15.7
75°	14.2	13.0	11.2	10.5	10.5	10.0	9.7	9.7	9.7	9.7	9.7
77.5°	7.2	6.5	6.0	5.7	5.7	5.7	6.0	6.0	6.0	6.2	6.0
80°	3.5	3.2	3.2	3.2	3.5	3.5	3.5	3.5	3.5	3.7	3.5
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.0	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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: LX6C15D010 EX6C159050 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	742.2	742.2	742.2	742.2	742.2	742.2	742.2	742.2
2.5°	736.7	736.2	736.2	735.9	735.9	735.9	735.9	736.2
5°	728.7	728.5	728.5	728.0	728.0	728.0	728.0	728.0
7.5°	718.0	717.5	717.7	717.2	717.2	717.5	717.2	717.0
10°	704.8	704.5	704.8	704.8	704.3	704.0	704.3	704.5
12.5°	689.8	689.5	689.0	689.3	689.3	689.0	688.8	688.3
15°	672.3	672.1	671.8	671.6	671.3	671.6	671.3	670.8
17.5°	651.9	651.9	651.6	651.4	651.1	650.6	650.9	651.6
20°	629.9	629.7	629.2	629.4	628.4	627.9	628.2	628.9
22.5°	604.7	604.0	604.5	603.7	603.7	604.0	603.7	603.2
25°	577.3	576.3	576.8	577.0	577.0	576.8	576.5	576.8
27.5°	546.8	547.6	547.6	547.1	547.8	546.8	547.3	547.6
30°	515.7	514.9	514.7	515.7	517.2	515.9	515.9	516.2
32.5°	483.5	482.5	482.5	483.0	482.7	482.7	483.7	482.5
35°	449.0	449.5	447.6	448.8	449.3	448.8	449.0	449.0
37.5°	414.4	413.9	413.9	413.9	414.6	414.6	415.1	414.9
40°	380.2	379.2	378.9	379.4	378.4	379.2	379.2	378.4
42.5°	343.3	343.5	344.8	343.5	343.8	343.5	343.0	342.8
45°	309.1	309.8	309.3	309.1	309.3	308.3	308.6	309.3
47.5°	272.9	274.4	272.9	273.9	273.7	273.2	272.7	271.7
50°	239.0	239.5	239.2	239.0	238.7	238.5	237.2	236.5
52.5°	204.3	204.3	204.3	204.3	201.8	203.1	202.6	201.1
55°	170.4	171.1	170.1	170.1	168.4	168.4	167.9	168.1
57.5°	137.7	137.0	136.2	136.2	134.5	133.7	133.0	132.0
60°	107.3	106.5	105.5	104.3	102.5	102.5	102.0	100.0
62.5°	78.6	77.3	76.6	75.6	74.1	73.1	72.3	72.8
65°	53.9	52.6	51.6	51.6	51.6	51.1	50.9	50.9
67.5°	35.4	36.2	35.7	36.2	36.2	35.7	35.4	35.9
70°	24.4	24.4	24.2	24.2	24.2	24.2	23.9	24.2
72.5°	15.7	15.7	15.7	16.0	15.7	15.7	16.0	16.0
75°	10.0	10.0	10.0	10.2	10.0	10.0	10.2	10.0
77.5°	6.0	6.2	6.2	6.2	6.2	6.0	6.2	6.2
80°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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)