

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: P684068

Luminaire Tested: **LX6C15D010 EX6C159040 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684068
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 EX6C159040 6LBLWWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

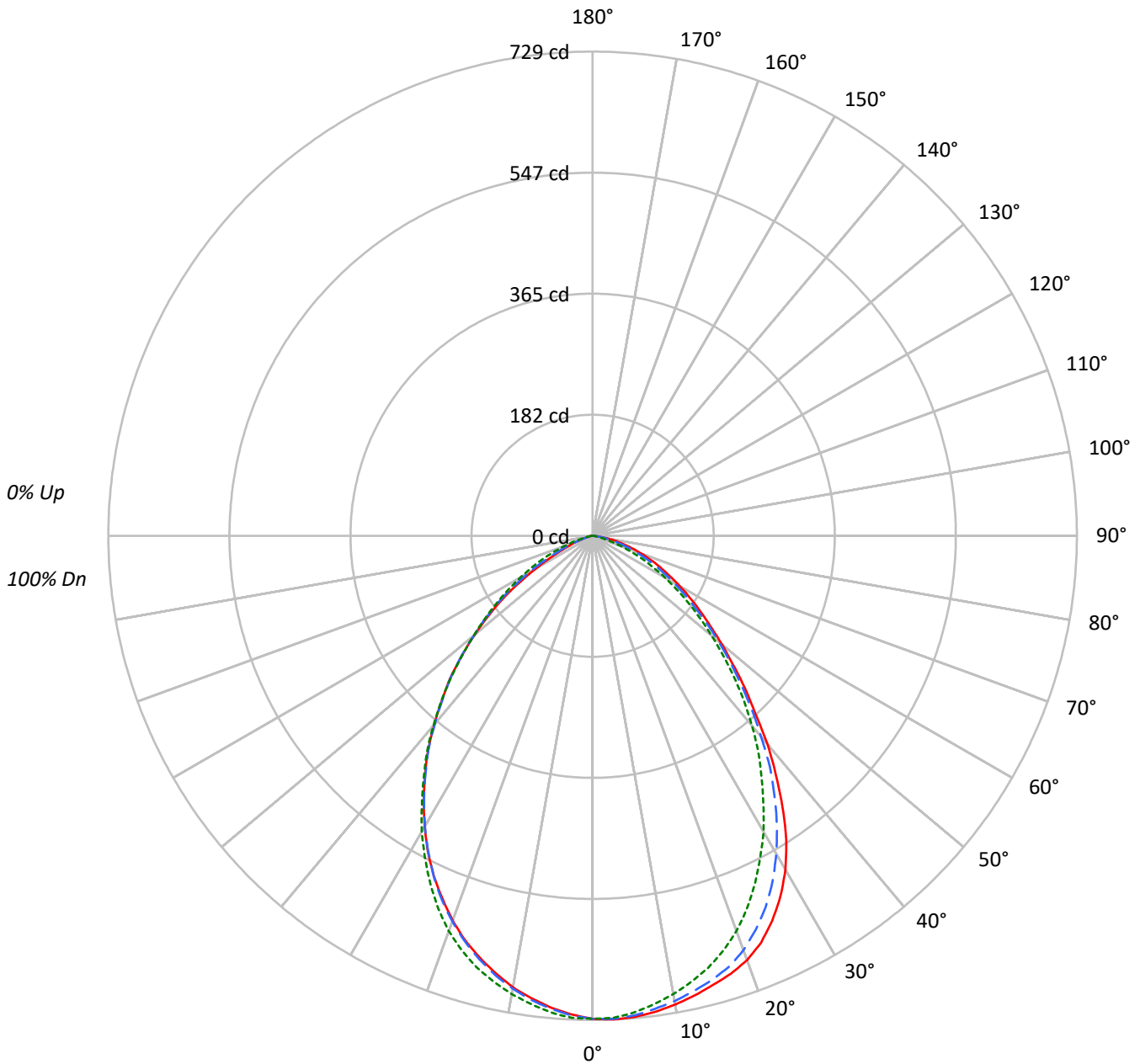
Lumens per Lamp: N/A
Luminaire Lumens: 1323.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	39871	39871	39871
5°	40012	39649	39258
10°	39890	39005	38432
15°	39739	38201	37310
20°	39653	36940	35954
25°	38688	34962	34187
30°	36752	32562	32018
35°	33361	29647	29453
40°	29269	26679	26543
45°	25096	23312	23506
50°	21603	19871	19769
55°	18876	16774	15751
60°	16589	13749	10745
65°	14528	10650	6473
70°	12390	7165	3799
75°	9997	3728	2076
80°	6945	1452	1168
85°	2768	440	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	5.2
10°-20°	190.3	14.4
20°-30°	270.8	20.5
30°-40°	285.0	21.5
40°-50°	237.5	18.0
50°-60°	160.5	12.1
60°-70°	81.4	6.1
70°-80°	26.3	2.0
80°-90°	3.0	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°	529.3	40.0
0°-40°	814.3	61.6
0°-60°	1212.4	91.6
0°-90°	1323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1323.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	727	727	727	727	727	
5°	727	725	720	715	713	69
15°	700	693	673	660	657	198
25°	640	616	578	566	565	293
35°	498	477	443	439	440	310
45°	324	315	301	302	303	251
55°	198	188	176	170	165	178
65°	112	101	82	59	50	111
75°	47	37	18	10	10	51
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°	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3
2.5°	729.0	729.0	729.0	729.0	729.0	729.0	728.8	728.8	728.3	728.3	728.1
5°	727.1	727.3	727.3	727.1	727.1	726.6	726.6	726.4	725.6	725.1	724.9
7.5°	722.9	722.9	722.7	722.4	722.2	721.5	721.2	720.5	720.0	719.5	718.5
10°	716.6	716.6	716.3	715.8	715.6	715.1	715.1	714.1	713.2	711.9	711.2
12.5°	709.0	709.2	708.8	708.5	707.8	707.5	707.0	705.8	705.1	703.6	702.4
15°	700.2	700.7	700.7	699.7	699.0	698.7	698.0	697.3	695.6	694.1	692.6
17.5°	691.6	692.1	691.6	690.9	690.2	689.2	688.7	687.2	685.0	683.1	680.9
20°	679.7	680.4	679.4	678.2	676.7	676.5	675.7	673.3	670.1	667.2	664.0
22.5°	662.8	662.3	661.6	661.1	658.6	657.2	656.2	653.0	649.6	645.7	641.8
25°	639.6	640.5	639.1	636.9	635.7	634.2	631.7	628.3	625.1	621.0	616.3
27.5°	612.2	612.2	610.2	609.5	606.8	604.8	603.6	600.2	596.0	591.9	586.8
30°	580.6	579.2	579.2	575.8	573.6	572.8	571.6	566.0	562.3	557.9	552.8
32.5°	542.5	542.3	541.3	539.1	536.2	533.7	533.7	529.8	524.9	519.5	516.3
35°	498.5	498.7	498.3	495.8	495.8	492.9	492.4	489.0	485.1	480.9	477.0
37.5°	453.0	454.0	453.0	451.8	451.1	450.8	448.6	446.2	443.2	440.8	437.9
40°	409.0	407.6	408.0	405.6	405.8	405.4	404.4	401.2	399.5	397.0	393.9
42.5°	361.6	363.1	363.5	362.1	361.6	360.6	361.6	360.4	358.4	357.2	354.3
45°	323.7	322.2	323.0	322.5	322.7	320.8	320.0	319.5	318.8	316.6	315.4
47.5°	286.0	286.3	286.0	285.1	284.6	284.6	283.6	282.1	282.1	280.7	279.7
50°	253.3	253.3	253.8	252.6	252.1	251.1	251.3	249.9	248.9	247.7	246.9
52.5°	223.2	223.5	222.5	222.7	222.2	222.2	221.3	220.3	219.3	217.1	216.6
55°	197.5	197.8	196.6	197.1	195.6	194.9	194.4	192.9	192.9	190.7	188.0
57.5°	173.6	173.3	173.1	172.4	171.4	170.6	169.9	168.2	167.5	166.0	163.8
60°	151.3	151.1	150.6	150.4	149.6	147.9	147.9	146.7	144.2	142.8	140.6
62.5°	130.3	130.3	130.1	129.3	128.6	127.9	127.4	126.4	124.0	122.2	120.3
65°	112.0	111.7	111.0	109.8	109.3	109.3	107.6	106.8	104.9	103.2	101.0
67.5°	94.4	93.4	92.9	93.1	91.7	91.7	90.2	89.0	87.3	84.3	82.6
70°	77.3	76.8	76.3	75.8	75.5	74.6	73.8	72.4	70.7	68.5	65.8
72.5°	61.9	61.9	61.1	60.6	59.9	58.9	58.4	57.2	55.3	52.8	50.9
75°	47.2	47.2	47.2	46.2	45.7	45.2	43.8	43.0	40.8	39.4	36.9
77.5°	34.7	34.2	33.5	33.2	32.8	32.3	31.5	30.3	28.4	26.6	25.2
80°	22.0	22.7	22.0	22.0	20.8	20.3	20.0	18.6	17.8	16.4	15.2
82.5°	12.2	12.5	12.0	11.7	11.0	10.8	10.8	9.8	9.3	8.3	7.6
85°	4.4	4.6	4.4	4.4	3.9	4.2	3.9	3.7	3.2	2.7	2.4
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°	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3
2.5°	728.1	727.6	727.6	727.3	727.1	727.1	727.1	726.8	726.4	726.4	726.1
5°	724.4	723.9	723.2	722.7	722.4	722.2	722.0	721.7	720.7	720.5	719.8
7.5°	717.8	717.3	716.1	715.6	714.9	714.6	713.6	713.2	712.2	711.2	710.7
10°	710.0	708.8	707.8	706.6	706.1	705.3	704.1	702.6	701.9	700.7	699.7
12.5°	701.2	699.7	697.8	696.3	695.8	694.6	692.6	691.4	689.7	687.7	686.0
15°	690.2	688.5	686.8	684.1	683.3	681.9	679.9	677.5	675.0	673.1	671.1
17.5°	678.2	675.5	672.8	669.9	667.7	666.9	663.8	660.3	658.1	654.7	652.5
20°	661.3	657.7	653.3	650.3	648.4	646.2	642.5	638.8	636.1	633.2	630.0
22.5°	638.1	634.7	629.5	625.1	623.7	620.5	617.3	613.9	610.5	607.3	603.4
25°	610.7	607.1	601.9	597.5	595.1	593.6	587.5	584.1	580.6	578.0	575.3
27.5°	582.6	576.0	572.6	565.7	563.5	563.0	557.4	553.8	550.1	546.4	543.0
30°	547.9	542.8	537.6	532.7	529.8	528.1	523.9	519.3	516.8	514.4	511.0
32.5°	511.9	507.3	500.9	496.3	494.1	491.7	488.0	484.8	481.1	478.5	477.7
35°	473.6	468.4	463.0	459.6	459.1	456.2	452.5	449.8	447.2	443.0	442.3
37.5°	432.5	429.6	425.9	421.0	418.8	418.8	415.1	413.2	409.8	409.5	407.6
40°	392.2	390.9	385.3	383.8	383.3	379.9	378.9	375.5	373.1	372.8	369.9
42.5°	352.3	349.1	348.1	345.7	343.5	343.0	340.8	339.3	338.4	336.9	335.4
45°	312.7	312.0	309.5	307.8	307.1	306.1	305.4	302.4	301.9	300.7	300.0
47.5°	278.5	276.5	274.3	272.4	272.1	270.6	268.9	268.9	266.2	266.0	265.5
50°	244.5	243.0	241.8	239.1	239.6	237.6	237.4	235.2	234.0	233.0	234.2
52.5°	214.7	211.7	211.2	209.0	208.3	208.5	205.9	205.1	204.6	203.7	203.2
55°	186.3	184.8	182.9	181.4	180.2	179.0	178.0	178.0	175.3	175.5	174.3
57.5°	161.4	160.1	157.7	155.5	155.0	153.5	152.3	151.1	150.8	149.1	147.9
60°	139.1	136.9	133.7	132.8	131.3	130.1	128.8	127.4	126.6	125.4	123.2
62.5°	118.3	114.7	113.4	111.5	109.8	109.0	107.1	105.4	104.1	102.4	100.7
65°	98.5	95.8	93.6	91.4	91.2	89.2	87.5	86.1	83.6	82.1	79.0
67.5°	80.4	78.0	75.5	73.3	71.6	71.1	68.5	66.7	65.0	62.1	59.4
70°	63.8	61.4	59.4	56.7	56.0	54.0	52.1	50.4	47.4	44.7	42.5
72.5°	48.7	46.0	43.8	41.8	40.6	38.9	36.9	35.0	32.0	29.3	27.4
75°	34.7	32.8	30.6	28.6	27.6	26.6	24.4	22.2	20.3	17.6	15.9
77.5°	23.5	21.5	19.6	17.8	16.6	15.9	14.4	12.7	11.0	9.5	8.3
80°	13.7	12.5	11.0	9.5	9.3	8.6	7.3	6.4	5.4	4.6	3.7
82.5°	6.6	5.9	4.9	4.2	3.7	3.4	2.9	2.4	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°	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3
2.5°	725.4	725.1	724.9	724.6	724.2	724.2	723.4	722.9	722.9	722.4	722.2
5°	719.0	718.3	718.0	717.6	717.1	716.8	715.8	715.6	715.1	714.6	714.6
7.5°	710.0	709.0	708.0	707.5	707.3	706.6	706.1	705.8	705.1	704.6	703.6
10°	698.0	697.3	696.0	695.6	695.1	694.6	693.4	692.6	692.4	691.9	691.4
12.5°	684.1	683.1	681.9	680.9	680.4	679.7	678.4	677.7	677.7	676.7	676.7
15°	669.1	667.7	665.5	664.5	664.3	662.8	661.8	660.8	659.6	659.1	659.1
17.5°	650.1	647.6	645.7	645.7	644.7	643.2	641.8	641.0	640.3	639.3	638.8
20°	627.6	625.9	623.7	623.7	621.5	621.0	619.5	619.3	617.6	617.8	617.1
22.5°	600.4	599.5	598.2	597.3	596.0	594.6	593.8	594.1	593.4	593.1	592.9
25°	573.1	570.4	568.9	568.4	567.9	566.7	566.2	566.0	566.0	565.2	565.5
27.5°	541.5	539.6	537.6	538.4	537.4	536.6	536.2	535.4	535.9	535.7	535.9
30°	509.3	506.8	505.6	506.1	505.8	503.9	504.9	504.6	504.9	504.9	505.3
32.5°	475.3	473.6	473.3	473.6	471.4	471.6	470.6	472.1	472.3	473.8	472.6
35°	440.8	439.8	438.1	437.9	438.1	437.9	437.9	438.8	438.6	440.1	439.6
37.5°	405.4	404.9	403.2	403.6	402.7	404.4	404.9	404.4	406.1	405.6	405.4
40°	370.6	369.9	368.9	370.9	369.7	368.7	370.4	368.9	369.4	370.9	370.9
42.5°	335.4	334.2	334.2	334.2	334.0	334.0	334.7	335.4	334.9	335.2	337.1
45°	300.0	299.7	299.0	299.5	299.2	300.5	300.5	301.0	301.9	302.9	302.4
47.5°	265.8	265.3	266.0	265.5	265.8	265.0	265.5	267.0	268.2	266.5	268.2
50°	233.7	232.7	232.5	233.2	233.0	232.7	233.2	233.2	232.7	232.7	234.5
52.5°	203.2	202.2	201.5	202.7	201.9	202.2	201.2	201.2	201.7	201.2	200.5
55°	174.6	173.8	172.8	173.3	172.1	171.9	170.9	170.9	170.2	169.7	168.2
57.5°	147.2	146.7	144.5	144.2	144.5	142.8	141.1	140.3	138.4	137.9	137.6
60°	123.0	120.3	119.1	117.6	116.6	115.9	113.9	112.7	109.8	108.1	107.8
62.5°	97.8	96.6	95.1	92.9	92.4	90.0	88.0	84.8	83.4	81.2	79.0
65°	77.5	74.3	72.1	70.9	68.9	66.7	64.5	61.1	59.4	56.7	54.5
67.5°	56.7	54.0	51.1	50.1	48.4	45.7	43.5	40.6	39.1	36.7	35.9
70°	38.9	36.4	34.2	32.8	31.5	28.8	26.6	25.7	24.2	23.7	23.7
72.5°	24.9	22.7	20.3	19.6	18.6	17.1	15.6	15.2	15.6	15.4	15.4
75°	13.9	12.7	11.0	10.3	10.3	9.8	9.5	9.5	9.5	9.5	9.5
77.5°	7.1	6.4	5.9	5.6	5.6	5.6	5.9	5.9	5.9	6.1	5.9
80°	3.4	3.2	3.2	3.2	3.4	3.4	3.4	3.4	3.4	3.7	3.4
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 EX6C159040 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3
2.5°	722.0	721.5	721.5	721.2	721.2	721.2	721.2	721.5
5°	714.1	713.9	713.9	713.4	713.4	713.4	713.4	713.4
7.5°	703.6	703.1	703.4	702.9	702.9	703.1	702.9	702.6
10°	690.7	690.4	690.7	690.7	690.2	689.9	690.2	690.4
12.5°	676.0	675.7	675.3	675.5	675.5	675.3	675.0	674.5
15°	658.9	658.6	658.4	658.1	657.9	658.1	657.9	657.4
17.5°	638.8	638.8	638.6	638.3	638.1	637.6	637.9	638.6
20°	617.3	617.1	616.6	616.8	615.9	615.4	615.6	616.3
22.5°	592.6	591.9	592.4	591.6	591.6	591.9	591.6	591.2
25°	565.7	564.8	565.2	565.5	565.5	565.2	565.0	565.2
27.5°	535.9	536.6	536.6	536.2	536.9	535.9	536.4	536.6
30°	505.3	504.6	504.4	505.3	506.8	505.6	505.6	505.8
32.5°	473.8	472.8	472.8	473.3	473.1	473.1	474.1	472.8
35°	440.1	440.6	438.6	439.8	440.3	439.8	440.1	440.1
37.5°	406.1	405.6	405.6	405.6	406.3	406.3	406.8	406.6
40°	372.6	371.6	371.4	371.9	370.9	371.6	371.6	370.9
42.5°	336.4	336.7	337.9	336.7	336.9	336.7	336.2	335.9
45°	302.9	303.6	303.2	302.9	303.2	302.2	302.4	303.2
47.5°	267.5	268.9	267.5	268.4	268.2	267.7	267.2	266.2
50°	234.2	234.7	234.5	234.2	234.0	233.7	232.5	231.8
52.5°	200.2	200.2	200.2	200.2	197.8	199.0	198.5	197.1
55°	167.0	167.7	166.7	166.7	165.0	165.0	164.5	164.8
57.5°	135.0	134.2	133.5	133.5	131.8	131.0	130.3	129.3
60°	105.1	104.4	103.4	102.2	100.5	100.5	100.0	98.0
62.5°	77.0	75.8	75.1	74.1	72.6	71.6	70.9	71.4
65°	52.8	51.6	50.6	50.6	50.6	50.1	49.9	49.9
67.5°	34.7	35.4	35.0	35.4	35.4	35.0	34.7	35.2
70°	24.0	24.0	23.7	23.7	23.7	23.7	23.5	23.7
72.5°	15.4	15.4	15.4	15.6	15.4	15.4	15.6	15.6
75°	9.8	9.8	9.8	10.0	9.8	9.8	10.0	9.8
77.5°	5.9	6.1	6.1	6.1	6.1	5.9	6.1	6.1
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)