

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: P844050

Luminaire Tested: **LD6C15DE010B35 EU6C15B35 6LBLWWH**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844050  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C15DE010B35 EU6C15B35 6LBLWWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

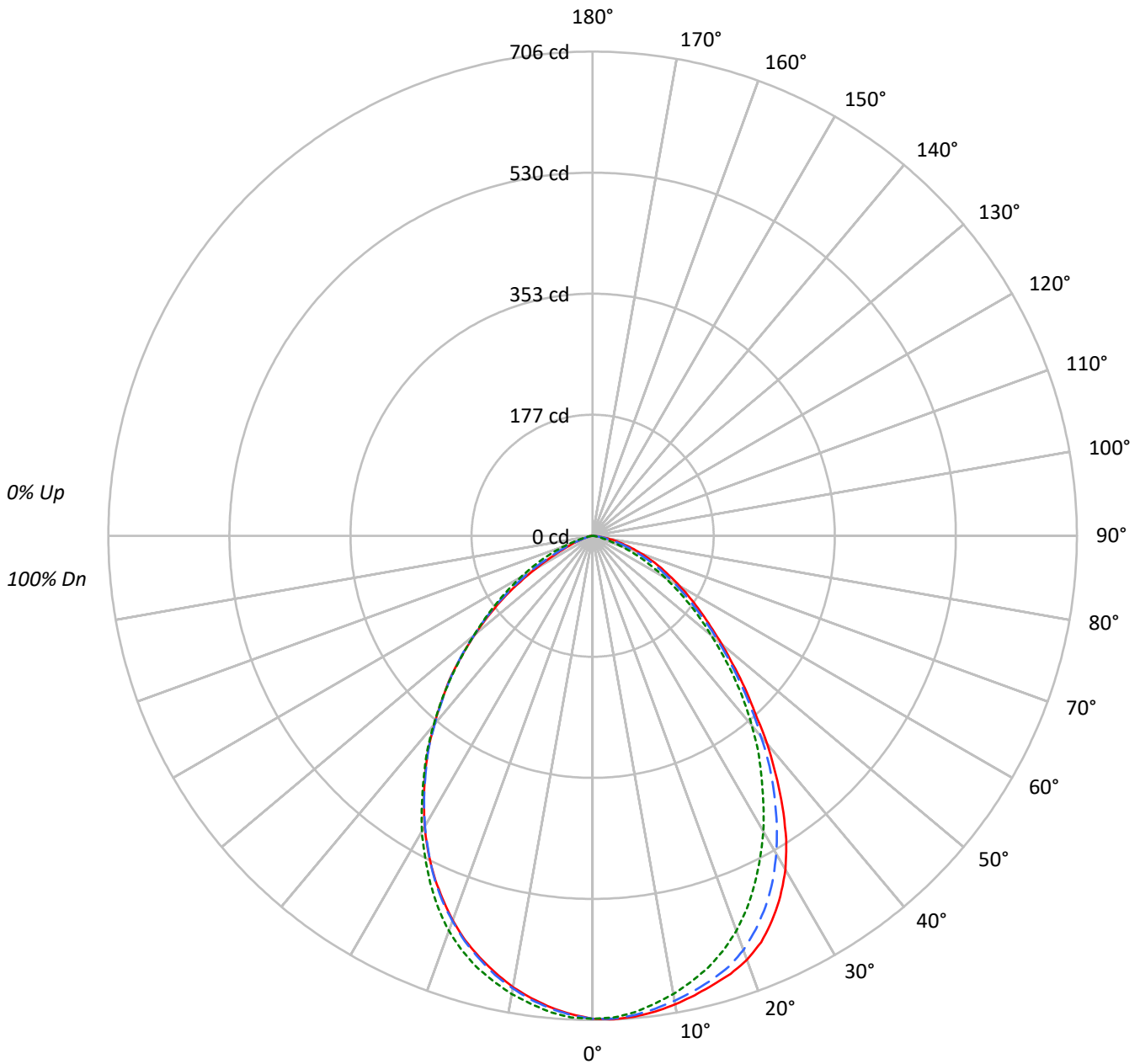
Lumens per Lamp: N/A  
Luminaire Lumens: 1280.8 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 17  
Input Voltage (V):  
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	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°	38604	38604	38604
5°	38735	38383	38003
10°	38615	37764	37207
15°	38468	36981	36124
20°	38387	35761	34811
25°	37448	33843	33099
30°	35581	31518	30998
35°	32297	28703	28509
40°	28339	25834	25698
45°	24297	22576	22754
50°	20912	19240	19129
55°	18274	16248	15244
60°	16062	13310	10405
65°	14061	10312	6265
70°	11989	6956	3687
75°	9680	3601	2012
80°	6724	1421	1137
85°	2642	440	629



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.0	5.2
10°-20°	184.2	14.4
20°-30°	262.2	20.5
30°-40°	275.9	21.5
40°-50°	230.0	18.0
50°-60°	155.4	12.1
60°-70°	78.8	6.2
70°-80°	25.4	2.0
80°-90°	2.9	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°	512.4	40.0
0°-40°	788.3	61.6
0°-60°	1173.7	91.6
0°-90°	1280.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	704	704	704	704	704	
5°	704	702	698	692	691	67
15°	678	670	652	639	636	192
25°	619	597	560	548	547	284
35°	483	462	429	425	426	300
45°	313	305	291	292	294	243
55°	191	182	170	165	160	172
65°	108	98	80	58	48	108
75°	46	36	17	9	10	49
85°	4	2	1	1	1	7
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°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2
2.5°	705.8	705.8	705.8	705.8	705.8	705.8	705.5	705.5	705.1	705.1	704.8
5°	703.9	704.2	704.2	703.9	703.9	703.4	703.4	703.2	702.5	702.0	701.7
7.5°	699.8	699.8	699.6	699.4	699.2	698.5	698.2	697.5	697.0	696.6	695.6
10°	693.7	693.7	693.5	693.0	692.8	692.3	692.3	691.4	690.4	689.3	688.5
12.5°	686.4	686.6	686.2	685.9	685.2	684.9	684.5	683.3	682.6	681.2	680.0
15°	677.8	678.4	678.4	677.4	676.7	676.5	675.7	675.0	673.4	671.9	670.5
17.5°	669.6	670.0	669.6	668.8	668.1	667.3	666.7	665.4	663.1	661.3	659.1
20°	658.0	658.7	657.7	656.6	655.1	654.9	654.1	651.8	648.8	645.9	642.8
22.5°	641.7	641.1	640.5	640.0	637.6	636.2	635.2	632.1	628.9	625.1	621.3
25°	619.1	620.1	618.7	616.6	615.3	614.0	611.6	608.2	605.2	601.2	596.7
27.5°	592.7	592.7	590.8	590.1	587.4	585.5	584.3	581.1	577.0	573.0	568.1
30°	562.1	560.7	560.7	557.4	555.3	554.5	553.4	548.0	544.4	540.1	535.2
32.5°	525.2	525.0	524.1	521.8	519.1	516.7	516.7	512.8	508.2	502.9	499.8
35°	482.6	482.8	482.4	480.0	480.0	477.2	476.7	473.4	469.6	465.6	461.8
37.5°	438.6	439.6	438.6	437.4	436.7	436.5	434.3	431.9	429.1	426.8	423.9
40°	396.0	394.6	395.0	392.7	392.9	392.4	391.4	388.4	386.8	384.3	381.3
42.5°	350.1	351.5	352.0	350.5	350.1	349.1	350.1	348.9	347.0	345.8	343.0
45°	313.4	311.9	312.6	312.2	312.4	310.5	309.8	309.4	308.6	306.5	305.3
47.5°	276.9	277.2	276.9	275.9	275.5	275.5	274.6	273.1	273.1	271.7	270.8
50°	245.2	245.2	245.7	244.5	244.0	243.0	243.4	241.9	240.9	239.8	239.0
52.5°	216.1	216.3	215.3	215.7	215.1	215.1	214.2	213.2	212.3	210.2	209.7
55°	191.2	191.4	190.3	190.8	189.3	188.7	188.2	186.8	186.8	184.7	182.0
57.5°	168.1	167.8	167.5	166.9	165.9	165.2	164.5	162.9	162.1	160.8	158.5
60°	146.5	146.3	145.8	145.5	144.9	143.2	143.2	142.0	139.6	138.2	136.1
62.5°	126.2	126.2	126.0	125.2	124.5	123.7	123.3	122.4	120.0	118.3	116.4
65°	108.4	108.2	107.5	106.3	105.8	105.8	104.2	103.4	101.5	99.8	97.7
67.5°	91.4	90.4	89.9	90.2	88.7	88.7	87.4	86.2	84.5	81.6	80.0
70°	74.8	74.4	73.8	73.4	73.1	72.2	71.5	70.0	68.4	66.3	63.7
72.5°	59.9	59.9	59.1	58.7	58.0	57.0	56.6	55.4	53.5	51.1	49.2
75°	45.7	45.7	45.7	44.7	44.2	43.8	42.4	41.7	39.6	38.1	35.7
77.5°	33.6	33.1	32.5	32.2	31.7	31.2	30.6	29.3	27.5	25.8	24.3
80°	21.3	22.0	21.3	21.3	20.1	19.7	19.5	18.0	17.2	15.9	14.7
82.5°	11.8	12.1	11.6	11.3	10.7	10.4	10.4	9.5	9.0	8.0	7.3
85°	4.2	4.5	4.2	4.2	3.8	4.0	3.8	3.6	3.1	2.6	2.3
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°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2
2.5°	704.8	704.4	704.4	704.2	703.9	703.9	703.9	703.6	703.2	703.2	702.9
5°	701.3	700.8	700.2	699.6	699.4	699.2	698.9	698.7	697.7	697.5	696.8
7.5°	694.9	694.4	693.3	692.8	692.0	691.8	690.8	690.4	689.5	688.5	688.0
10°	687.4	686.2	685.2	684.0	683.5	682.8	681.6	680.3	679.5	678.4	677.4
12.5°	678.8	677.4	675.5	674.0	673.6	672.4	670.5	669.4	667.7	665.8	664.1
15°	668.1	666.5	664.8	662.3	661.5	660.1	658.2	655.8	653.5	651.6	649.7
17.5°	656.6	653.9	651.4	648.5	646.4	645.7	642.6	639.2	637.1	633.8	631.7
20°	640.2	636.7	632.5	629.6	627.7	625.6	622.0	618.5	615.9	613.0	609.9
22.5°	617.8	614.4	609.4	605.2	603.8	600.7	597.7	594.3	591.0	587.9	584.1
25°	591.2	587.7	582.8	578.4	576.1	574.7	568.8	565.4	562.1	559.5	556.9
27.5°	564.0	557.6	554.3	547.6	545.5	545.1	539.6	536.1	532.5	529.0	525.6
30°	530.4	525.4	520.5	515.7	512.8	511.3	507.2	502.7	500.4	497.9	494.7
32.5°	495.6	491.2	484.9	480.5	478.4	475.9	472.4	469.4	465.8	463.1	462.5
35°	458.5	453.5	448.2	444.9	444.5	441.7	438.1	435.5	432.9	428.9	428.1
37.5°	418.7	415.9	412.3	407.6	405.4	405.4	401.9	400.0	396.7	396.4	394.6
40°	379.7	378.4	373.0	371.5	371.1	367.8	366.9	363.5	361.2	361.0	358.1
42.5°	341.1	338.0	337.1	334.6	332.5	332.1	330.0	328.5	327.5	326.2	324.7
45°	302.7	302.1	299.6	297.9	297.3	296.3	295.6	292.8	292.3	291.2	290.4
47.5°	269.6	267.7	265.6	263.7	263.5	262.0	260.4	260.4	257.7	257.5	257.0
50°	236.7	235.2	234.1	231.5	231.9	230.0	229.8	227.7	226.5	225.6	226.8
52.5°	207.8	205.0	204.5	202.3	201.7	201.9	199.3	198.6	198.1	197.1	196.7
55°	180.3	179.0	177.0	175.6	174.4	173.2	172.3	172.3	169.8	170.0	168.8
57.5°	156.2	155.0	152.6	150.5	150.1	148.6	147.4	146.3	146.1	144.4	143.2
60°	134.6	132.5	129.5	128.5	127.1	126.0	124.7	123.3	122.6	121.4	119.3
62.5°	114.5	111.1	109.8	107.9	106.3	105.6	103.6	102.1	100.8	99.2	97.5
65°	95.4	92.8	90.6	88.5	88.3	86.4	84.7	83.3	80.9	79.5	76.5
67.5°	77.8	75.5	73.1	71.0	69.4	68.9	66.3	64.6	62.9	60.1	57.5
70°	61.8	59.4	57.5	54.9	54.2	52.4	50.4	48.8	45.9	43.4	41.1
72.5°	47.1	44.5	42.4	40.5	39.2	37.7	35.7	33.8	31.0	28.5	26.5
75°	33.6	31.7	29.6	27.7	26.8	25.8	23.7	21.6	19.7	17.0	15.3
77.5°	22.7	20.8	18.9	17.2	16.1	15.3	14.0	12.3	10.7	9.2	8.0
80°	13.2	12.1	10.7	9.2	9.0	8.2	7.1	6.1	5.2	4.5	3.6
82.5°	6.3	5.7	4.8	4.0	3.6	3.3	2.9	2.3	1.9	1.7	1.7
85°	1.9	1.7	1.4	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°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2
2.5°	702.3	702.0	701.7	701.5	701.1	701.1	700.4	699.8	699.8	699.4	699.2
5°	696.1	695.4	695.2	694.7	694.2	693.9	693.0	692.8	692.3	691.8	691.8
7.5°	687.4	686.4	685.5	684.9	684.7	684.0	683.5	683.3	682.6	682.2	681.2
10°	675.7	675.0	673.8	673.4	672.9	672.4	671.3	670.5	670.3	669.8	669.4
12.5°	662.3	661.3	660.1	659.1	658.7	658.0	656.8	656.1	656.1	655.1	655.1
15°	647.8	646.4	644.2	643.3	643.0	641.7	640.7	639.8	638.6	638.1	638.1
17.5°	629.3	627.0	625.1	625.1	624.1	622.7	621.3	620.6	619.9	618.9	618.5
20°	607.6	605.9	603.8	603.8	601.7	601.2	599.8	599.5	597.9	598.1	597.4
22.5°	581.3	580.3	579.2	578.2	577.0	575.6	574.9	575.1	574.4	574.2	574.0
25°	554.8	552.2	550.7	550.3	549.9	548.6	548.2	548.0	548.0	547.2	547.4
27.5°	524.3	522.4	520.5	521.2	520.3	519.5	519.1	518.3	518.8	518.6	518.8
30°	493.0	490.6	489.5	489.9	489.7	487.8	488.7	488.5	488.7	488.7	489.3
32.5°	460.1	458.5	458.2	458.5	456.4	456.6	455.6	457.0	457.3	458.7	457.5
35°	426.8	425.8	424.1	423.9	424.1	423.9	423.9	424.9	424.6	426.0	425.6
37.5°	392.4	392.0	390.3	390.8	389.8	391.4	392.0	391.4	393.1	392.7	392.4
40°	358.9	358.1	357.2	359.1	357.9	357.0	358.5	357.2	357.6	359.1	359.1
42.5°	324.7	323.5	323.5	323.5	323.3	323.3	324.1	324.7	324.3	324.5	326.4
45°	290.4	290.2	289.5	289.9	289.7	290.8	290.8	291.4	292.3	293.3	292.8
47.5°	257.3	256.8	257.5	257.0	257.3	256.6	257.0	258.5	259.6	258.0	259.6
50°	226.2	225.3	225.1	225.8	225.6	225.3	225.8	225.8	225.3	225.3	227.0
52.5°	196.7	195.8	195.0	196.2	195.5	195.8	194.8	194.8	195.2	194.8	194.1
55°	169.0	168.3	167.3	167.8	166.6	166.4	165.4	165.4	164.8	164.3	162.9
57.5°	142.5	142.0	139.9	139.6	139.9	138.2	136.5	135.9	134.0	133.5	133.3
60°	119.1	116.4	115.3	113.8	112.8	112.2	110.3	109.1	106.3	104.6	104.4
62.5°	94.7	93.5	92.1	89.9	89.5	87.1	85.2	82.2	80.7	78.6	76.5
65°	75.0	71.9	69.8	68.6	66.7	64.6	62.5	59.1	57.5	54.9	52.8
67.5°	54.9	52.4	49.5	48.5	46.9	44.2	42.1	39.2	37.9	35.5	34.8
70°	37.7	35.2	33.1	31.7	30.6	27.9	25.8	24.9	23.5	23.0	23.0
72.5°	24.1	22.0	19.7	18.9	18.0	16.6	15.1	14.7	15.1	14.9	14.9
75°	13.5	12.3	10.7	9.9	9.9	9.5	9.2	9.2	9.2	9.2	9.2
77.5°	6.9	6.1	5.7	5.4	5.4	5.4	5.7	5.7	5.7	5.9	5.7
80°	3.3	3.1	3.1	3.1	3.3	3.3	3.3	3.3	3.3	3.6	3.3
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	1.9	1.9	1.9
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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**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2
2.5°	698.9	698.5	698.5	698.2	698.2	698.2	698.2	698.5
5°	691.4	691.2	691.2	690.6	690.6	690.6	690.6	690.6
7.5°	681.2	680.7	680.9	680.5	680.5	680.7	680.5	680.3
10°	668.6	668.4	668.6	668.6	668.1	667.9	668.1	668.4
12.5°	654.5	654.1	653.7	653.9	653.9	653.7	653.5	653.0
15°	637.9	637.6	637.4	637.1	636.9	637.1	636.9	636.5
17.5°	618.5	618.5	618.2	618.0	617.8	617.2	617.6	618.2
20°	597.7	597.4	596.9	597.1	596.2	595.8	596.0	596.7
22.5°	573.8	573.0	573.4	572.8	572.8	573.0	572.8	572.3
25°	547.6	546.7	547.2	547.4	547.4	547.2	547.0	547.2
27.5°	518.8	519.5	519.5	519.1	519.7	518.8	519.3	519.5
30°	489.3	488.5	488.3	489.3	490.6	489.5	489.5	489.7
32.5°	458.7	457.7	457.7	458.2	458.0	458.0	458.9	457.7
35°	426.0	426.5	424.6	425.8	426.2	425.8	426.0	426.0
37.5°	393.1	392.7	392.7	392.7	393.3	393.3	393.9	393.7
40°	360.7	359.8	359.5	360.0	359.1	359.8	359.8	359.1
42.5°	325.6	326.0	327.1	326.0	326.2	326.0	325.4	325.2
45°	293.3	293.9	293.5	293.3	293.5	292.5	292.8	293.5
47.5°	258.9	260.4	258.9	259.9	259.6	259.1	258.7	257.7
50°	226.8	227.2	227.0	226.8	226.5	226.2	225.1	224.3
52.5°	193.9	193.9	193.9	193.9	191.4	192.7	192.2	190.8
55°	161.6	162.3	161.4	161.4	159.8	159.8	159.3	159.5
57.5°	130.6	130.0	129.2	129.2	127.6	126.8	126.2	125.2
60°	101.7	101.1	100.2	98.9	97.3	97.3	96.8	94.9
62.5°	74.6	73.4	72.7	71.7	70.3	69.4	68.6	69.1
65°	51.1	49.9	49.0	49.0	49.0	48.5	48.3	48.3
67.5°	33.6	34.3	33.8	34.3	34.3	33.8	33.6	34.1
70°	23.2	23.2	23.0	23.0	23.0	23.0	22.7	23.0
72.5°	14.9	14.9	14.9	15.1	14.9	14.9	15.1	15.1
75°	9.5	9.5	9.5	9.7	9.5	9.5	9.7	9.5
77.5°	5.7	5.9	5.9	5.9	5.9	5.7	5.9	5.9
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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)