

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: P844049

Luminaire Tested: **LD6C15DE010B35 EU6C15B35 6LBLDWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C15DE010B35 EU6C15B35 6LBLDWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

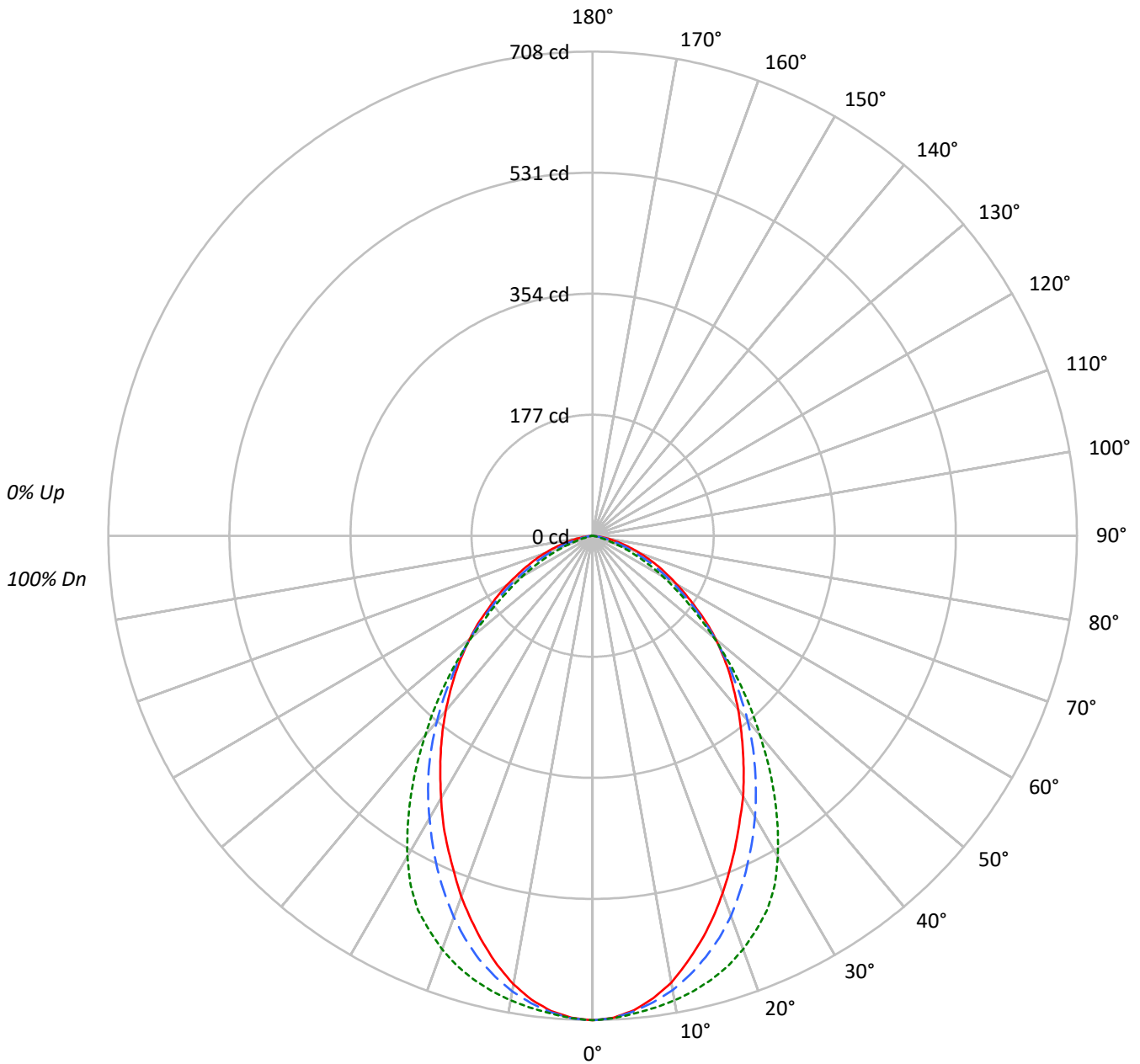
Lumens per Lamp: N/A  
Luminaire Lumens: 1268.1 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P844049

CATALOG NUMBER: LD6C15DE010B35 EU6C15B35 6LBDWWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P844049

CATALOG NUMBER: LD6C15DE010B35 EU6C15B35 6LBDWWLI

**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	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77																			
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67																			
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59																			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53																			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42																			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38																			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	38835	38835	38835
5°	38317	38592	38383
10°	36918	38398	37068
15°	34796	38127	35023
20°	32430	37535	32775
25°	29990	36528	30347
30°	27852	34290	28042
35°	25632	31005	25913
40°	23680	27201	23902
45°	21878	23506	21948
50°	20016	19709	19991
55°	17682	16095	17748
60°	15613	12916	15854
65°	13750	9599	13841
70°	11556	6043	11861
75°	9171	2563	9404
80°	6125	600	6566
85°	2516	126	3019



TEST NUMBER: P844049

CATALOG NUMBER: LD6C15DE010B35 EU6C15B35 6LBDWWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.0	5.2
10°-20°	180.1	14.2
20°-30°	248.7	19.6
30°-40°	261.6	20.6
40°-50°	225.3	17.8
50°-60°	160.4	12.6
60°-70°	90.4	7.1
70°-80°	32.1	2.5
80°-90°	3.6	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°	494.8	39.0
0°-40°	756.4	59.6
0°-60°	1142.0	90.1
0°-90°	1268.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1268.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	708	708	708	708	708	
5°	696	698	701	699	698	65
15°	613	638	672	641	617	172
25°	496	534	604	537	502	228
35°	383	414	463	418	387	240
45°	282	290	303	291	283	217
55°	185	179	168	179	186	167
65°	106	91	74	92	107	105
75°	43	29	12	30	44	47
85°	4	2	0	2	5	7
90°	0	0	0	0	0	



TEST NUMBER: P844049

CATALOG NUMBER: LD6C15DE010B35 EU6C15B35 6LBDWWLI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4
2.5°	705.3	705.5	705.5	705.9	705.5	705.5	705.9	705.9	705.5	705.9	705.9
5°	696.3	696.1	696.3	696.6	697.3	697.3	697.1	697.1	697.8	697.5	698.0
7.5°	681.8	681.8	682.4	682.9	682.9	683.1	683.5	684.5	685.5	685.8	687.4
10°	663.2	663.5	663.2	664.2	664.9	666.1	665.9	667.5	669.2	671.5	674.6
12.5°	638.9	639.6	641.0	641.0	643.1	644.3	644.1	647.9	651.0	653.8	657.5
15°	613.1	612.9	614.1	616.0	618.1	619.8	620.4	625.4	628.4	633.2	638.0
17.5°	585.4	584.8	586.7	587.8	591.3	593.4	594.9	599.1	604.1	609.8	616.2
20°	555.9	557.1	557.5	559.2	563.9	565.5	567.9	572.7	577.7	584.2	591.5
22.5°	525.5	527.2	528.2	530.3	534.1	535.5	537.9	544.8	550.2	556.1	563.0
25°	495.8	497.7	499.3	502.0	504.5	506.7	509.8	514.4	520.7	526.1	533.9
27.5°	466.7	468.3	468.8	471.9	475.0	477.8	479.4	485.1	490.3	497.0	504.5
30°	440.0	439.0	440.2	442.8	446.3	448.2	451.1	454.9	460.5	466.9	474.8
32.5°	410.7	410.7	412.5	415.7	418.4	419.9	420.8	426.0	431.7	437.9	444.2
35°	383.0	383.9	385.5	387.4	390.5	391.7	393.9	397.7	402.1	409.0	413.7
37.5°	356.2	357.0	358.6	360.4	362.9	365.2	366.2	370.2	373.5	379.2	383.7
40°	330.9	331.1	333.0	333.8	335.9	336.9	338.8	340.9	345.6	348.0	352.2
42.5°	305.3	306.6	307.2	308.9	309.1	311.1	312.0	312.7	316.4	317.9	320.3
45°	282.2	282.2	282.9	282.9	284.1	283.3	284.8	286.2	286.4	288.8	290.2
47.5°	258.1	257.3	258.3	258.1	257.9	257.9	258.3	258.5	259.2	260.9	261.7
50°	234.7	233.0	233.0	232.8	232.5	233.2	233.2	233.0	233.0	233.7	233.0
52.5°	210.8	210.3	209.1	208.1	207.7	207.7	207.7	206.8	206.8	206.2	204.7
55°	185.0	185.7	185.2	184.8	184.5	183.8	183.8	182.7	180.7	179.8	178.8
57.5°	162.8	163.7	163.7	162.8	161.6	161.1	159.9	159.2	157.6	155.9	154.0
60°	142.4	143.6	141.9	141.2	141.0	140.2	139.8	137.2	135.6	133.9	131.8
62.5°	123.0	123.4	122.3	121.6	120.9	120.1	119.9	117.8	115.0	112.8	110.2
65°	106.0	105.2	104.8	103.6	102.4	101.4	101.4	98.7	96.0	93.4	90.9
67.5°	88.2	88.7	88.0	87.0	85.1	84.2	82.8	80.9	78.6	75.9	72.9
70°	72.1	71.9	71.2	70.2	69.1	67.4	66.2	65.3	62.0	58.9	56.3
72.5°	57.4	57.2	56.6	55.3	53.7	53.0	52.0	49.7	47.1	44.4	41.7
75°	43.3	43.6	42.3	41.9	40.0	39.2	39.0	36.2	34.1	31.7	29.1
77.5°	31.0	31.0	29.8	28.9	27.9	27.4	26.4	24.9	23.2	20.8	18.7
80°	19.4	19.4	19.4	18.4	17.6	17.0	16.3	15.1	13.4	12.1	10.7
82.5°	10.4	10.4	9.9	9.7	9.2	8.8	8.6	8.0	6.9	6.1	5.2
85°	4.0	4.0	3.8	3.8	3.3	3.3	3.1	2.9	2.3	2.1	1.9
87.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P844049

CATALOG NUMBER: LD6C15DE010B35 EU6C15B35 6LBLDWWLI

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4
2.5°	706.1	706.1	705.9	706.1	706.1	706.1	706.1	706.1	706.1	706.1	706.3
5°	698.5	699.2	699.4	699.7	700.2	700.4	700.7	700.9	701.1	701.3	701.3
7.5°	688.8	690.4	691.7	692.9	693.3	693.8	694.4	695.4	696.1	696.1	695.9
10°	677.2	679.3	681.8	683.9	684.5	685.8	686.9	688.3	689.5	689.8	689.8
12.5°	662.1	664.4	668.7	672.2	673.7	675.3	677.7	679.8	681.0	681.8	681.4
15°	643.1	648.1	654.0	658.1	660.0	662.8	666.5	669.0	670.9	671.8	671.3
17.5°	622.5	629.0	635.3	640.8	643.4	646.2	651.4	655.7	658.5	659.2	658.8
20°	599.1	606.2	613.1	620.0	623.5	626.9	632.3	637.8	642.4	643.4	642.7
22.5°	571.2	579.3	587.5	595.3	599.4	602.4	610.3	616.4	621.9	624.2	622.5
25°	542.4	550.9	559.7	566.5	571.0	576.2	583.3	590.4	597.0	603.9	597.8
27.5°	511.7	519.4	528.7	538.1	542.4	546.2	553.5	562.4	569.3	576.2	569.3
30°	480.9	490.8	499.1	507.3	512.1	516.7	524.0	531.2	537.9	541.7	537.4
32.5°	452.0	459.3	467.7	475.7	479.0	482.5	488.7	495.5	502.0	503.1	500.3
35°	421.8	428.1	435.0	440.2	444.2	448.0	453.4	457.7	459.3	463.3	460.5
37.5°	387.4	393.1	399.3	403.1	406.7	409.7	413.7	417.4	418.9	422.0	419.9
40°	355.0	359.8	363.3	367.3	369.2	372.3	374.0	377.0	378.7	380.1	380.3
42.5°	323.8	326.4	329.0	331.9	332.6	333.3	337.3	339.4	341.1	342.0	340.7
45°	291.9	294.4	295.4	297.6	298.8	299.2	300.9	301.1	301.6	303.2	302.5
47.5°	262.8	263.0	263.8	264.7	265.1	265.1	266.1	265.1	265.7	265.9	266.3
50°	232.3	233.9	232.3	233.2	233.4	233.2	232.5	232.0	231.3	231.1	230.9
52.5°	203.4	203.7	202.7	202.0	201.3	201.5	199.7	198.7	198.9	197.5	199.2
55°	177.2	176.2	174.1	173.3	171.8	171.4	171.2	170.1	168.2	168.4	168.9
57.5°	151.9	150.2	148.1	146.9	146.4	144.6	144.3	142.4	141.2	141.0	141.0
60°	128.9	127.4	125.3	123.2	121.6	120.7	119.4	117.6	118.0	117.8	116.7
62.5°	107.1	105.4	102.4	100.1	99.1	98.4	96.8	95.3	94.7	95.3	94.7
65°	87.8	85.1	81.6	79.2	79.0	78.1	76.1	75.2	74.5	74.0	74.8
67.5°	69.8	66.2	64.1	61.0	59.7	59.1	56.6	55.1	55.3	55.1	55.3
70°	53.2	49.7	46.9	44.4	42.6	41.9	40.4	38.6	38.3	37.7	38.6
72.5°	38.6	35.4	32.9	30.2	28.7	27.7	25.8	23.9	23.4	23.0	23.0
75°	26.4	23.9	21.0	18.7	17.6	16.6	14.7	13.2	12.1	12.1	12.1
77.5°	16.6	14.4	12.3	10.7	9.9	9.0	7.3	5.9	5.4	4.8	5.0
80°	9.4	7.8	6.7	5.4	4.8	4.2	3.3	2.6	1.9	1.9	1.9
82.5°	4.4	3.8	2.9	2.3	2.1	1.7	1.2	1.0	0.7	0.4	0.4
85°	1.4	1.2	1.0	0.7	0.4	0.4	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P844049

CATALOG NUMBER: LD6C15DE010B35 EU6C15B35 6LBDWWLI

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4
2.5°	706.1	706.3	706.1	706.3	706.1	706.5	706.5	706.3	706.3	706.3	706.1
5°	701.1	701.1	700.9	700.9	700.9	700.7	699.9	699.9	699.4	699.2	698.8
7.5°	695.7	695.2	694.4	694.2	693.5	692.9	691.4	690.2	689.3	688.1	686.9
10°	689.0	687.9	686.4	685.5	685.0	683.3	681.2	678.4	676.5	674.3	672.0
12.5°	680.5	679.1	676.5	674.6	673.4	670.3	667.3	663.8	660.0	656.2	653.8
15°	669.4	667.0	663.8	661.9	659.8	655.4	650.0	645.1	641.2	637.0	631.3
17.5°	656.4	652.9	648.3	645.3	642.7	637.0	630.7	624.2	618.5	613.3	607.7
20°	638.4	634.2	628.8	624.7	622.1	614.8	607.9	600.3	593.4	587.3	580.7
22.5°	617.3	610.3	604.9	600.1	597.2	589.0	581.4	573.3	566.0	560.5	553.5
25°	590.9	584.0	577.2	573.3	568.9	560.1	552.3	544.0	537.2	530.3	523.7
27.5°	562.8	554.7	547.1	542.7	538.7	530.1	522.3	514.8	506.9	499.3	493.4
30°	532.0	524.0	518.0	512.3	507.9	501.0	491.3	483.8	476.9	470.0	463.9
32.5°	497.7	491.1	484.0	481.1	477.8	469.5	462.0	454.7	447.8	440.9	434.5
35°	458.0	452.8	448.4	445.4	443.3	436.0	430.0	422.2	418.0	411.1	406.3
37.5°	417.2	414.7	411.8	408.0	405.0	400.7	397.1	390.8	385.8	380.9	375.7
40°	378.2	375.4	371.7	369.7	369.0	365.2	360.2	357.0	354.1	349.7	346.8
42.5°	340.1	338.8	335.0	334.0	333.0	329.8	327.3	324.5	322.7	319.3	317.9
45°	301.3	301.1	300.2	299.2	298.8	296.3	295.9	292.3	290.7	290.0	288.6
47.5°	267.1	266.3	264.9	266.3	264.2	264.0	264.0	263.2	262.6	260.7	260.4
50°	232.0	233.2	233.4	232.8	234.2	233.9	232.8	233.0	233.4	234.4	233.0
52.5°	199.9	200.8	202.4	201.8	203.0	204.1	203.7	205.6	204.9	205.8	207.7
55°	169.3	172.0	173.7	172.9	173.9	175.2	175.8	177.4	178.8	180.4	181.7
57.5°	143.1	143.8	146.2	146.9	147.1	148.3	150.7	153.3	154.9	156.1	157.3
60°	117.3	119.7	121.3	121.3	123.2	124.9	127.0	129.3	131.3	134.1	136.2
62.5°	95.6	96.0	98.4	98.7	100.1	102.9	104.6	108.1	110.4	113.6	116.3
65°	74.5	76.7	78.1	78.3	80.4	82.6	84.9	88.2	91.6	94.1	96.8
67.5°	55.8	57.0	58.9	60.6	61.0	64.1	67.7	70.8	73.6	75.9	79.2
70°	39.0	40.0	42.6	43.6	44.9	47.3	50.1	53.4	56.8	60.1	62.7
72.5°	23.9	26.0	27.7	29.1	30.2	33.1	36.2	39.0	41.9	44.7	48.0
75°	13.2	14.7	16.6	18.0	19.1	21.3	24.1	27.0	29.6	32.2	34.6
77.5°	5.9	7.3	9.0	9.9	10.9	12.8	14.9	17.2	19.4	21.3	23.4
80°	2.3	3.3	4.2	5.0	5.4	6.7	8.2	9.4	10.9	12.6	14.2
82.5°	1.0	1.2	1.7	2.1	2.3	3.1	3.8	4.4	5.7	6.3	7.3
85°	0.2	0.2	0.4	0.4	0.7	1.0	1.2	1.7	1.9	2.1	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	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





TEST NUMBER: P844049

CATALOG NUMBER: LD6C15DE010B35 EU6C15B35 6LBDWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	708.4	708.4	708.4	708.4	708.4	708.4	708.4	708.4
2.5°	706.1	705.9	705.9	705.9	705.9	705.5	705.5	705.5
5°	699.0	698.5	698.2	698.2	697.5	697.8	697.8	697.5
7.5°	686.4	686.0	685.2	685.8	685.5	684.8	684.5	684.3
10°	670.1	669.2	669.0	667.8	667.0	666.8	666.8	665.9
12.5°	650.8	648.1	647.9	646.7	645.1	644.1	644.5	643.1
15°	629.2	625.4	623.5	622.5	620.7	619.0	617.6	617.1
17.5°	603.0	598.7	597.2	596.3	592.3	592.1	590.2	589.4
20°	575.5	571.8	569.5	568.2	565.1	562.2	562.0	561.8
22.5°	548.8	542.7	540.8	538.7	535.3	532.9	531.5	530.3
25°	518.5	513.5	510.2	508.1	505.8	503.9	502.0	501.7
27.5°	488.2	483.4	481.3	479.4	476.4	474.2	472.3	473.3
30°	458.7	453.9	451.5	450.1	447.1	445.9	442.5	443.0
32.5°	429.3	425.1	423.4	420.5	417.8	416.3	415.1	414.2
35°	401.2	397.7	395.2	393.3	390.8	388.4	387.2	387.2
37.5°	372.5	369.0	367.8	366.4	364.0	360.8	359.5	360.4
40°	343.4	340.9	339.7	338.8	336.3	335.2	334.0	334.0
42.5°	315.8	313.2	313.0	312.0	310.1	309.4	308.4	307.8
45°	286.9	285.8	284.8	284.8	284.6	284.3	283.7	283.1
47.5°	259.2	259.4	259.0	258.8	259.0	258.3	259.2	258.5
50°	233.9	233.4	233.9	233.4	233.7	234.7	233.7	234.4
52.5°	207.0	209.1	209.3	208.4	209.3	210.0	210.5	211.7
55°	183.1	183.8	184.2	185.2	185.7	187.1	185.7	185.7
57.5°	159.9	161.1	161.6	162.2	164.1	163.4	164.7	165.6
60°	138.9	140.2	141.2	141.9	142.7	144.3	144.8	144.6
62.5°	118.2	120.4	120.7	122.6	123.0	124.2	125.1	124.2
65°	99.1	101.0	102.4	103.6	105.0	106.2	106.0	106.7
67.5°	81.6	84.0	85.1	85.7	87.6	88.0	89.2	89.9
70°	65.8	67.4	68.9	69.6	70.8	72.1	73.3	74.0
72.5°	50.1	52.8	54.2	54.7	56.6	57.4	58.0	58.7
75°	37.1	39.2	40.0	41.1	42.1	44.2	44.0	44.4
77.5°	25.8	27.2	28.7	28.7	30.2	30.8	31.9	32.2
80°	15.3	17.0	17.8	18.0	19.1	19.9	20.3	20.8
82.5°	8.0	9.2	9.2	9.7	10.7	10.7	10.9	11.3
85°	3.1	3.6	3.8	3.8	4.0	4.4	4.4	4.8
87.5°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7
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)