

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: P843948

Luminaire Tested: **LD6C10DE010B2750 EU6C10B30 6LBLWWH**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843948  
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: LD6C10DE010B2750 EU6C10B30 6LBLWWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

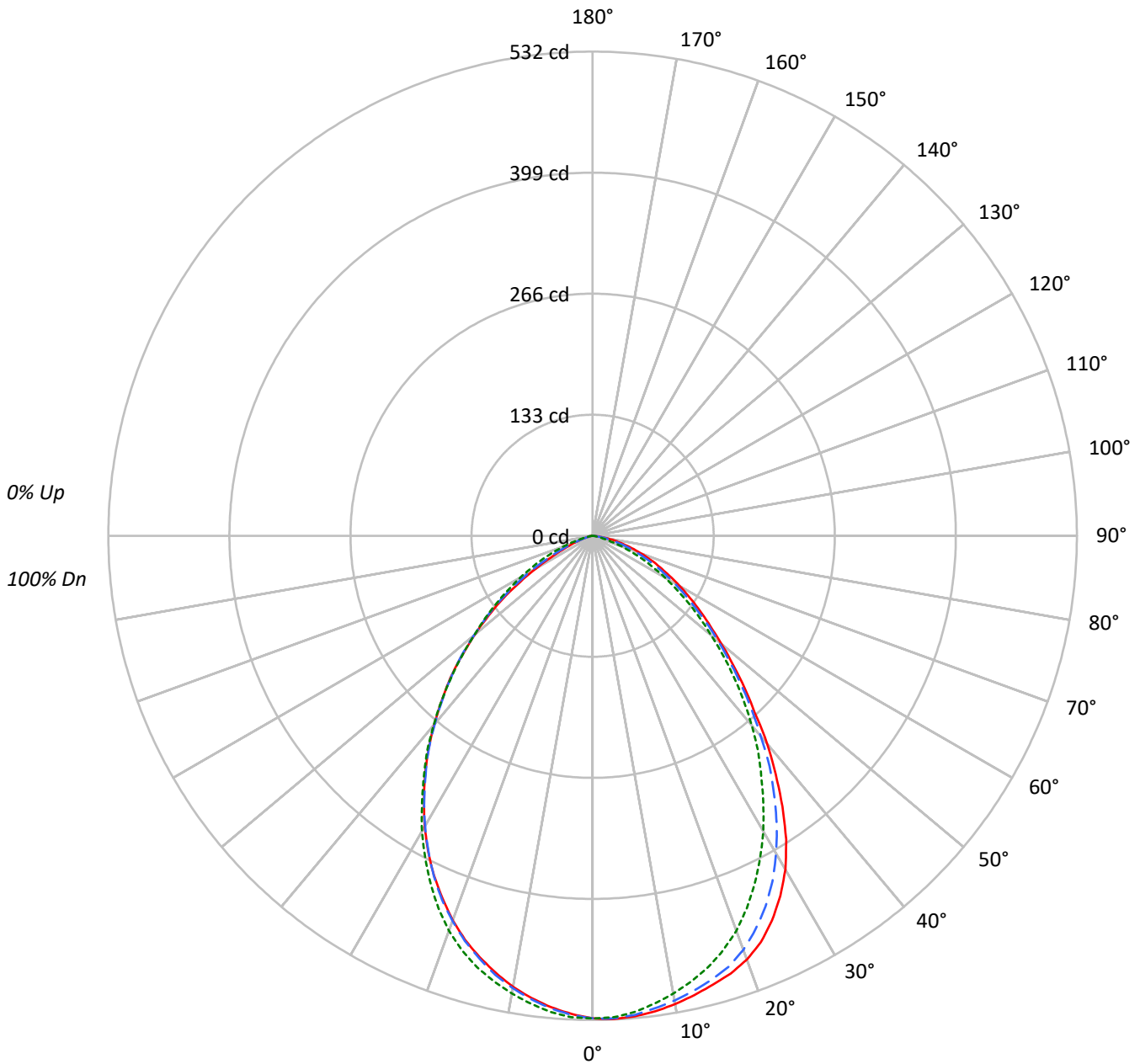
Lumens per Lamp: N/A  
Luminaire Lumens: 964.6 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.3  
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									
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°	29071	29071	29071
5°	29171	28907	28621
10°	29085	28434	28017
15°	28973	27849	27202
20°	28907	26935	26217
25°	28205	25489	24927
30°	26802	23738	23345
35°	24320	21616	21476
40°	21347	19451	19351
45°	18296	16994	17134
50°	15752	14490	14413
55°	13763	12234	11479
60°	12093	10032	7839
65°	10585	7770	4722
70°	9040	5225	2757
75°	7286	2711	1504
80°	5083	1073	821
85°	2013	314	440



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.7	5.2
10°-20°	138.8	14.4
20°-30°	197.4	20.5
30°-40°	207.8	21.5
40°-50°	173.2	18.0
50°-60°	117.0	12.1
60°-70°	59.3	6.2
70°-80°	19.1	2.0
80°-90°	2.2	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°	385.9	40.0
0°-40°	593.7	61.6
0°-60°	883.9	91.6
0°-90°	964.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	964.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	530	530	530	530	530	
5°	530	528	525	521	520	50
15°	510	505	491	481	479	144
25°	466	449	421	413	412	214
35°	363	348	323	320	321	226
45°	236	230	219	220	221	183
55°	144	137	128	124	120	130
65°	82	74	60	43	36	81
75°	34	27	13	7	7	37
85°	3	2	0	1	1	6
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°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	531.6	531.6	531.6	531.6	531.6	531.6	531.4	531.4	531.0	531.0	530.8
5°	530.1	530.3	530.3	530.1	530.1	529.8	529.8	529.6	529.0	528.7	528.5
7.5°	527.0	527.0	526.9	526.7	526.5	526.0	525.9	525.3	524.9	524.6	523.8
10°	522.5	522.5	522.3	521.9	521.7	521.4	521.4	520.7	519.9	519.1	518.6
12.5°	516.9	517.1	516.8	516.5	516.0	515.8	515.5	514.6	514.0	513.0	512.1
15°	510.5	510.8	510.8	510.1	509.6	509.5	508.9	508.4	507.1	506.1	505.0
17.5°	504.3	504.6	504.3	503.8	503.2	502.5	502.2	501.0	499.4	498.0	496.5
20°	495.5	496.0	495.4	494.4	493.4	493.2	492.6	490.8	488.5	486.4	484.1
22.5°	483.2	482.9	482.3	482.0	480.2	479.1	478.4	476.0	473.6	470.8	467.9
25°	466.3	467.1	465.9	464.3	463.5	462.4	460.6	458.1	455.7	452.8	449.4
27.5°	446.3	446.3	444.9	444.4	442.4	440.9	440.1	437.5	434.6	431.5	427.8
30°	423.4	422.3	422.3	419.8	418.2	417.7	416.7	412.7	409.9	406.8	403.1
32.5°	395.6	395.3	394.6	393.0	390.9	389.1	389.1	386.2	382.7	378.7	376.4
35°	363.4	363.6	363.3	361.5	361.5	359.4	359.0	356.5	353.7	350.6	347.7
37.5°	330.3	331.0	330.3	329.3	328.8	328.7	327.1	325.3	323.1	321.4	319.2
40°	298.3	297.1	297.5	295.7	295.9	295.5	294.9	292.5	291.3	289.5	287.1
42.5°	263.7	264.7	265.0	264.0	263.7	262.9	263.7	262.7	261.3	260.4	258.3
45°	236.0	234.9	235.4	235.1	235.3	233.8	233.3	233.0	232.5	230.8	229.9
47.5°	208.6	208.8	208.6	207.8	207.5	207.5	206.8	205.7	205.7	204.7	203.9
50°	184.7	184.7	185.0	184.1	183.8	183.1	183.3	182.1	181.5	180.5	180.0
52.5°	162.8	162.9	162.2	162.3	162.0	162.0	161.3	160.5	159.9	158.3	157.9
55°	144.0	144.2	143.3	143.6	142.6	142.0	141.7	140.7	140.7	139.1	137.1
57.5°	126.6	126.4	126.2	125.6	124.9	124.4	123.8	122.7	122.1	121.0	119.4
60°	110.3	110.2	109.8	109.6	109.0	107.9	107.9	106.9	105.1	104.1	102.5
62.5°	95.0	95.0	94.9	94.3	93.7	93.2	92.9	92.1	90.3	89.2	87.7
65°	81.6	81.4	80.9	80.1	79.6	79.6	78.5	77.8	76.5	75.2	73.6
67.5°	68.9	68.1	67.7	67.9	66.8	66.8	65.8	64.8	63.7	61.4	60.3
70°	56.4	55.9	55.6	55.2	55.1	54.4	53.8	52.8	51.5	49.9	47.9
72.5°	45.1	45.1	44.5	44.2	43.7	42.9	42.6	41.7	40.3	38.5	37.1
75°	34.4	34.4	34.4	33.7	33.3	33.0	31.9	31.4	29.7	28.7	26.9
77.5°	25.3	25.0	24.4	24.2	23.9	23.5	23.0	22.1	20.6	19.5	18.4
80°	16.1	16.6	16.1	16.1	15.1	14.8	14.6	13.5	13.0	12.0	11.0
82.5°	8.9	9.1	8.8	8.6	8.0	7.8	7.8	7.1	6.8	6.0	5.5
85°	3.2	3.4	3.2	3.2	2.9	3.1	2.9	2.6	2.3	2.0	1.8
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°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	530.8	530.5	530.5	530.3	530.1	530.1	530.1	529.9	529.6	529.6	529.3
5°	528.2	527.8	527.2	526.9	526.7	526.5	526.4	526.2	525.4	525.3	524.8
7.5°	523.3	523.0	522.0	521.7	521.2	521.0	520.3	519.9	519.2	518.6	518.1
10°	517.6	516.8	516.0	515.2	514.8	514.2	513.4	512.3	511.8	510.8	510.1
12.5°	511.3	510.1	508.7	507.7	507.2	506.4	505.0	504.1	502.8	501.4	500.2
15°	503.2	502.0	500.7	498.8	498.1	497.1	495.7	493.9	492.1	490.7	489.3
17.5°	494.4	492.5	490.5	488.4	486.8	486.3	484.0	481.4	479.8	477.3	475.7
20°	482.2	479.5	476.3	474.1	472.7	471.1	468.4	465.8	463.8	461.7	459.3
22.5°	465.3	462.7	459.0	455.7	454.7	452.3	450.0	447.6	445.1	442.7	439.9
25°	445.3	442.6	438.8	435.6	433.8	432.8	428.3	425.8	423.4	421.4	419.5
27.5°	424.7	420.0	417.4	412.5	410.9	410.5	406.4	403.7	401.1	398.4	395.9
30°	399.5	395.7	392.0	388.4	386.2	385.0	382.0	378.6	376.8	375.0	372.5
32.5°	373.2	369.9	365.2	361.8	360.2	358.4	355.8	353.5	350.8	348.8	348.3
35°	345.2	341.5	337.6	335.1	334.7	332.6	330.0	328.0	326.0	323.0	322.5
37.5°	315.3	313.2	310.5	306.9	305.3	305.3	302.7	301.2	298.8	298.6	297.1
40°	285.9	285.0	280.9	279.8	279.5	277.0	276.3	273.8	272.0	271.8	269.7
42.5°	256.9	254.6	253.8	252.0	250.4	250.1	248.4	247.4	246.6	245.6	244.5
45°	228.0	227.4	225.7	224.4	223.9	223.2	222.6	220.5	220.1	219.2	218.7
47.5°	203.1	201.6	200.0	198.5	198.4	197.4	196.1	196.1	194.1	194.0	193.5
50°	178.2	177.2	176.3	174.3	174.7	173.2	173.0	171.4	170.6	169.9	170.8
52.5°	156.5	154.3	154.0	152.4	151.9	152.1	150.1	149.5	149.2	148.5	148.2
55°	135.8	134.7	133.4	132.3	131.4	130.5	129.8	129.8	127.8	128.0	127.1
57.5°	117.6	116.8	115.0	113.4	113.0	111.9	111.1	110.2	110.0	108.7	107.9
60°	101.4	99.8	97.5	96.8	95.7	94.9	93.9	92.9	92.3	91.5	89.8
62.5°	86.3	83.6	82.7	81.3	80.1	79.5	78.1	76.8	75.9	74.7	73.4
65°	71.8	69.9	68.2	66.6	66.5	65.0	63.8	62.7	60.9	59.9	57.5
67.5°	58.6	56.9	55.1	53.5	52.2	51.8	49.9	48.7	47.4	45.3	43.4
70°	46.5	44.7	43.4	41.4	40.8	39.3	38.0	36.7	34.6	32.6	31.0
72.5°	35.4	33.5	31.9	30.5	29.6	28.3	26.9	25.5	23.4	21.4	20.0
75°	25.3	23.9	22.3	20.8	20.1	19.5	17.9	16.2	14.8	12.8	11.6
77.5°	17.1	15.7	14.3	13.0	12.2	11.6	10.5	9.3	8.0	7.0	6.0
80°	9.9	9.1	8.0	7.0	6.8	6.2	5.4	4.7	3.9	3.4	2.6
82.5°	4.9	4.2	3.6	3.1	2.6	2.5	2.1	1.8	1.4	1.3	1.3
85°	1.4	1.3	1.1	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.5
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):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	528.8	528.7	528.5	528.3	528.0	528.0	527.4	527.0	527.0	526.7	526.5
5°	524.3	523.6	523.5	523.1	522.8	522.6	521.9	521.7	521.4	521.0	521.0
7.5°	517.6	516.9	516.2	515.8	515.7	515.2	514.8	514.6	514.0	513.7	513.0
10°	508.9	508.4	507.5	507.1	506.7	506.4	505.5	505.0	504.8	504.4	504.1
12.5°	498.8	498.0	497.1	496.5	496.0	495.5	494.7	494.1	494.1	493.4	493.4
15°	487.9	486.8	485.1	484.5	484.3	483.2	482.5	481.8	480.9	480.6	480.6
17.5°	473.9	472.1	470.8	470.8	470.0	469.0	467.9	467.4	466.8	466.1	465.8
20°	457.5	456.3	454.7	454.7	453.1	452.8	451.7	451.5	450.2	450.4	449.9
22.5°	437.8	437.0	436.2	435.4	434.6	433.5	433.0	433.1	432.6	432.5	432.3
25°	417.8	415.9	414.8	414.4	414.1	413.2	412.8	412.7	412.7	412.1	412.3
27.5°	394.8	393.4	392.0	392.5	391.7	391.2	390.9	390.4	390.7	390.6	390.7
30°	371.3	369.5	368.6	369.0	368.8	367.3	368.1	368.0	368.1	368.1	368.5
32.5°	346.5	345.2	345.1	345.2	343.6	343.8	343.1	344.2	344.4	345.4	344.6
35°	321.4	320.7	319.4	319.2	319.4	319.2	319.2	319.9	319.7	320.9	320.5
37.5°	295.5	295.2	293.9	294.2	293.6	294.9	295.2	294.9	296.0	295.7	295.5
40°	270.2	269.7	269.0	270.4	269.5	268.7	270.0	269.0	269.4	270.4	270.4
42.5°	244.5	243.7	243.7	243.7	243.5	243.5	244.0	244.5	244.2	244.4	245.8
45°	218.7	218.5	218.0	218.4	218.2	219.0	219.0	219.5	220.1	220.8	220.5
47.5°	193.8	193.4	194.0	193.5	193.8	193.2	193.5	194.6	195.6	194.3	195.6
50°	170.4	169.6	169.5	170.1	169.9	169.6	170.1	170.1	169.6	169.6	170.9
52.5°	148.2	147.4	146.9	147.8	147.2	147.4	146.7	146.7	147.0	146.7	146.2
55°	127.2	126.7	126.1	126.4	125.4	125.3	124.6	124.6	124.1	123.7	122.7
57.5°	107.3	106.9	105.3	105.1	105.3	104.1	102.8	102.3	100.9	100.6	100.4
60°	89.7	87.7	86.8	85.8	85.0	84.5	83.0	82.2	80.1	78.8	78.6
62.5°	71.3	70.4	69.4	67.7	67.4	65.6	64.2	61.9	60.8	59.2	57.5
65°	56.5	54.2	52.6	51.7	50.2	48.7	47.1	44.5	43.4	41.4	39.8
67.5°	41.4	39.3	37.2	36.5	35.3	33.3	31.7	29.6	28.6	26.8	26.2
70°	28.3	26.5	25.0	23.9	23.0	21.0	19.5	18.7	17.7	17.2	17.2
72.5°	18.2	16.6	14.8	14.3	13.5	12.5	11.4	11.0	11.4	11.2	11.2
75°	10.2	9.3	8.0	7.5	7.5	7.1	7.0	7.0	7.0	7.0	7.0
77.5°	5.2	4.7	4.2	4.1	4.1	4.1	4.2	4.2	4.2	4.4	4.2
80°	2.5	2.3	2.3	2.3	2.5	2.5	2.5	2.5	2.5	2.6	2.5
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
85°	0.5	0.5	0.5	0.5	0.7	0.7	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):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	526.4	526.0	526.0	525.9	525.9	525.9	525.9	526.0
5°	520.7	520.5	520.5	520.1	520.1	520.1	520.1	520.1
7.5°	513.0	512.6	512.8	512.4	512.4	512.6	512.4	512.3
10°	503.5	503.3	503.5	503.5	503.2	503.0	503.2	503.3
12.5°	492.9	492.6	492.3	492.5	492.5	492.3	492.1	491.8
15°	480.4	480.2	480.1	479.8	479.6	479.8	479.6	479.3
17.5°	465.8	465.8	465.6	465.4	465.3	464.8	465.0	465.6
20°	450.0	449.9	449.5	449.7	449.0	448.6	448.9	449.4
22.5°	432.0	431.5	431.9	431.3	431.3	431.5	431.3	431.0
25°	412.5	411.7	412.1	412.3	412.3	412.1	411.9	412.1
27.5°	390.7	391.2	391.2	390.9	391.4	390.7	391.1	391.2
30°	368.5	368.0	367.7	368.5	369.5	368.6	368.6	368.8
32.5°	345.4	344.7	344.7	345.1	344.9	344.9	345.6	344.7
35°	320.9	321.2	319.7	320.7	321.0	320.7	320.9	320.9
37.5°	296.0	295.7	295.7	295.7	296.2	296.2	296.6	296.5
40°	271.6	271.0	270.8	271.1	270.4	271.0	271.0	270.4
42.5°	245.3	245.5	246.3	245.5	245.6	245.5	245.1	244.9
45°	220.8	221.4	221.0	220.8	221.0	220.3	220.5	221.0
47.5°	195.0	196.1	195.0	195.7	195.6	195.1	194.8	194.1
50°	170.8	171.1	170.9	170.8	170.6	170.4	169.5	169.0
52.5°	146.0	146.0	146.0	146.0	144.2	145.1	144.7	143.6
55°	121.7	122.3	121.5	121.5	120.4	120.4	119.9	120.1
57.5°	98.4	97.8	97.3	97.3	96.0	95.5	95.0	94.3
60°	76.7	76.1	75.4	74.5	73.3	73.3	72.9	71.5
62.5°	56.2	55.2	54.7	54.0	53.0	52.2	51.7	52.0
65°	38.5	37.7	36.9	36.9	36.9	36.5	36.4	36.4
67.5°	25.3	25.8	25.5	25.8	25.8	25.5	25.3	25.7
70°	17.5	17.5	17.2	17.2	17.2	17.2	17.1	17.2
72.5°	11.2	11.2	11.2	11.4	11.2	11.2	11.4	11.4
75°	7.1	7.1	7.1	7.3	7.1	7.1	7.3	7.1
77.5°	4.2	4.4	4.4	4.4	4.4	4.2	4.4	4.4
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	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
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)