

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: P843949

Luminaire Tested: **LD6C10DE010B2750 EU6C10B30 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843949  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C10DE010B2750 EU6C10B30 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

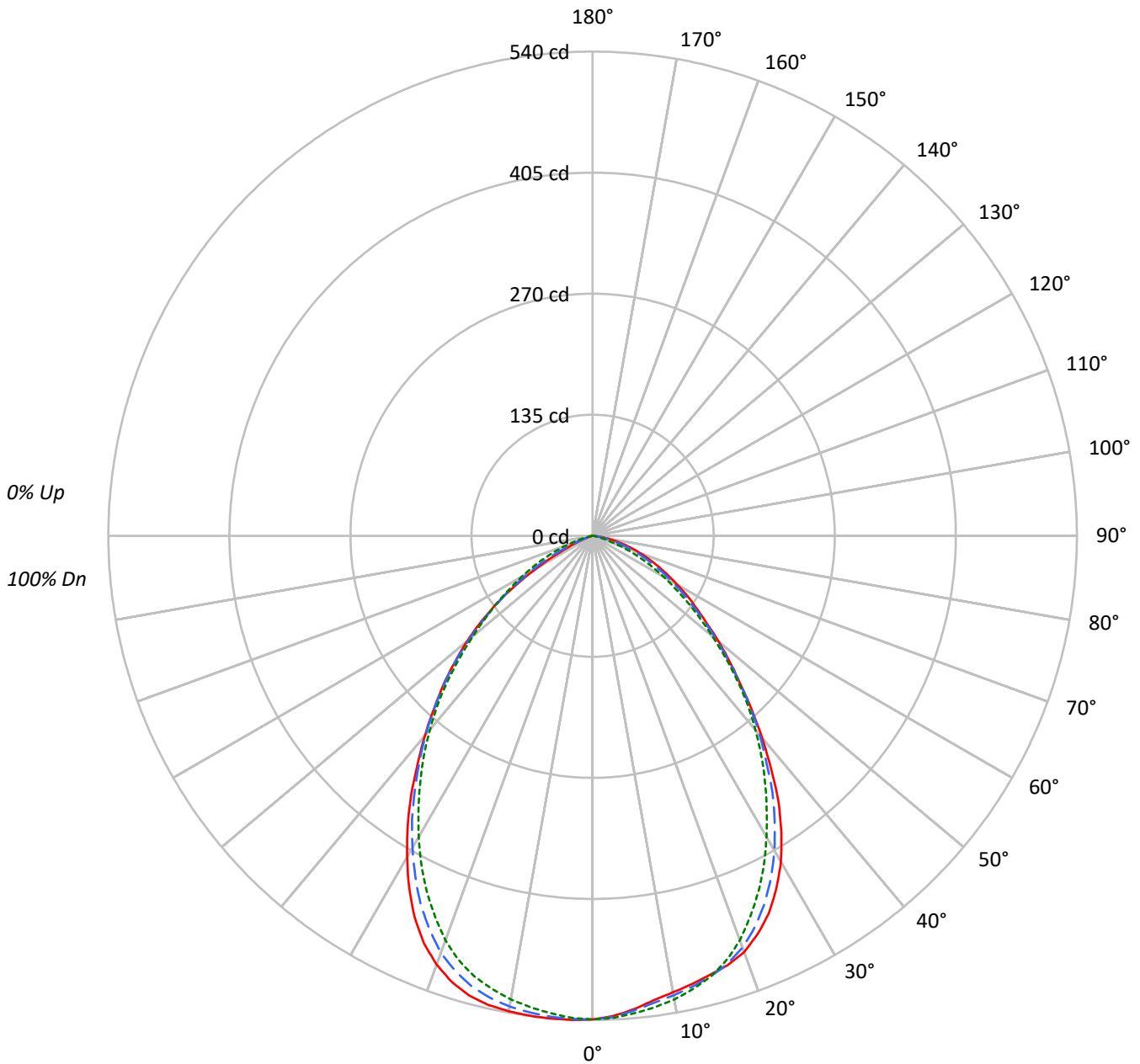
Lumens per Lamp: N/A  
Luminaire Lumens: 992.1 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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					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	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54								
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49								
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44								
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40								
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36								
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33								

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

	0°	90°	180°
0°	29570	29570	29570
5°	29166	29419	29743
10°	28779	29225	29976
15°	28763	28882	30136
20°	28825	28002	29677
25°	28121	26469	28405
30°	26586	24542	26188
35°	24173	22426	23590
40°	21018	20188	20825
45°	18017	17692	18258
50°	15624	14831	15582
55°	13553	12329	12262
60°	11929	9988	7763
65°	10468	7588	3723
70°	9008	5033	1378
75°	7329	2097	381
80°	4956	505	158
85°	2013	126	126



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.8	5.1
10°-20°	144.7	14.6
20°-30°	207.4	20.9
30°-40°	216.1	21.8
40°-50°	179.0	18.0
50°-60°	118.7	12.0
60°-70°	57.5	5.8
70°-80°	16.3	1.6
80°-90°	1.6	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°	402.9	40.6
0°-40°	619.0	62.4
0°-60°	916.7	92.4
0°-90°	992.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	992.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	539	539	539	539	539	
5°	530	531	535	538	540	50
15°	507	509	509	520	531	143
25°	465	453	438	454	470	213
35°	361	350	335	345	352	224
45°	232	232	228	234	236	181
55°	142	137	129	127	128	128
65°	81	73	58	40	29	80
75°	35	26	10	2	2	37
85°	3	1	0	0	0	5
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°	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4
2.5°	536.0	536.2	536.5	536.2	536.4	536.5	536.5	536.7	536.7	537.0	537.1
5°	530.0	530.5	530.5	530.5	530.5	530.7	530.8	530.8	530.7	530.7	531.4
7.5°	522.4	522.9	522.7	522.9	523.0	523.5	523.4	523.7	524.1	524.6	525.3
10°	517.0	517.2	517.0	517.5	517.8	518.2	518.2	518.6	519.0	519.5	520.4
12.5°	512.1	512.3	512.5	512.8	513.3	513.1	513.4	513.8	513.9	514.3	514.9
15°	506.8	507.7	507.6	507.7	507.9	508.1	508.2	508.4	508.2	508.2	508.6
17.5°	501.8	502.0	502.2	502.2	502.2	502.2	501.8	501.8	501.3	500.8	500.4
20°	494.1	494.0	493.6	493.6	493.0	493.1	492.3	492.0	491.2	489.9	488.6
22.5°	480.8	481.6	481.3	480.1	479.3	479.3	478.7	477.1	475.6	474.2	472.6
25°	464.9	464.6	464.1	463.3	462.3	461.6	460.5	459.4	457.1	454.6	453.2
27.5°	443.7	444.3	443.0	442.0	441.5	440.3	439.2	437.9	435.0	432.9	430.4
30°	420.0	419.7	419.5	418.1	416.6	417.0	414.9	413.2	411.1	407.5	405.6
32.5°	391.5	392.1	391.0	390.8	388.2	387.7	387.7	385.3	383.5	380.1	377.5
35°	361.2	360.9	360.5	359.3	359.1	358.0	357.2	355.4	353.0	352.0	349.9
37.5°	326.3	326.5	326.6	326.6	326.0	325.2	324.5	324.5	321.3	320.8	318.2
40°	293.7	294.2	294.0	292.8	293.0	293.2	293.0	292.8	290.8	290.1	289.8
42.5°	262.0	262.8	262.0	261.8	262.0	262.0	261.6	262.2	261.2	262.0	260.4
45°	232.4	233.1	232.6	232.4	232.0	232.9	231.8	232.8	232.2	231.3	231.6
47.5°	206.9	206.1	206.9	206.6	206.0	205.3	206.3	205.8	204.5	204.4	204.8
50°	183.2	182.9	183.2	183.0	182.1	182.1	181.9	181.6	181.3	180.1	179.5
52.5°	160.5	161.8	160.9	161.8	160.5	160.0	160.2	159.7	159.0	158.6	157.2
55°	141.8	142.0	142.0	142.0	141.3	141.0	140.6	140.2	140.2	138.7	137.2
57.5°	125.6	125.3	125.1	124.6	124.2	123.8	123.5	122.5	121.3	119.9	118.9
60°	108.8	109.3	109.3	108.5	108.0	107.5	107.2	106.6	105.3	103.9	102.3
62.5°	94.4	94.8	93.9	93.9	92.9	92.6	92.6	91.6	90.2	88.5	86.8
65°	80.7	80.6	80.9	79.6	79.9	78.8	78.4	77.8	76.5	74.5	72.9
67.5°	67.7	68.1	67.6	67.2	66.4	66.1	65.8	64.2	63.5	61.7	59.9
70°	56.2	55.7	55.4	55.4	54.7	54.2	54.0	52.2	51.3	49.9	47.9
72.5°	45.3	44.9	44.5	44.0	43.5	43.3	42.2	41.1	40.1	38.3	36.9
75°	34.6	34.4	34.1	33.6	32.8	32.5	32.3	31.0	29.1	27.6	26.3
77.5°	25.0	25.2	24.4	23.7	23.2	22.6	22.3	21.3	20.0	18.4	17.1
80°	15.7	15.9	15.7	15.1	14.4	14.3	13.7	13.0	12.0	10.9	9.9
82.5°	8.4	8.4	8.2	8.0	7.5	7.5	7.1	6.6	6.0	5.5	4.8
85°	3.2	3.2	3.1	2.9	2.6	2.6	2.5	2.3	2.0	1.8	1.4
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4
2.5°	537.1	537.3	537.5	537.6	537.6	537.6	537.8	538.0	538.0	538.1	538.3
5°	531.8	532.0	532.5	532.6	533.0	532.8	533.4	533.9	534.2	534.6	535.2
7.5°	525.7	526.3	526.9	527.4	527.7	527.9	528.4	529.1	529.7	530.3	530.8
10°	520.7	521.2	521.9	522.7	522.7	523.0	523.4	524.0	524.5	525.0	525.7
12.5°	515.2	515.9	516.1	516.4	516.4	516.7	517.0	517.2	517.7	517.8	519.0
15°	508.6	508.6	508.6	508.6	508.6	508.4	508.1	508.4	508.4	508.9	509.5
17.5°	499.5	499.5	498.5	497.9	498.0	497.2	497.0	496.3	496.3	496.3	496.9
20°	487.6	486.0	484.7	483.1	482.4	482.1	481.6	480.1	480.0	480.0	480.0
22.5°	470.6	468.8	467.1	465.8	463.9	463.1	462.4	461.3	460.1	459.4	461.0
25°	449.9	447.8	445.7	443.1	442.6	441.8	440.0	438.9	438.4	437.6	438.1
27.5°	428.0	425.1	422.7	420.2	419.4	418.3	416.6	415.0	413.2	413.6	413.6
30°	403.0	399.4	396.8	393.9	393.7	392.6	391.1	389.2	387.7	387.7	388.7
32.5°	375.7	373.1	370.8	367.4	366.9	366.3	365.1	363.4	362.2	361.2	361.9
35°	348.1	344.2	342.5	340.3	340.6	338.5	337.0	335.9	336.1	335.1	335.6
37.5°	318.2	315.9	313.6	312.7	311.9	310.8	310.1	309.4	309.0	309.0	308.6
40°	288.2	286.9	285.9	285.5	283.9	284.2	284.1	283.6	282.5	282.1	283.1
42.5°	259.9	258.6	258.1	257.1	257.0	256.5	256.5	255.9	255.7	255.9	255.7
45°	230.6	230.5	229.2	229.2	229.9	229.4	227.9	228.8	228.8	228.2	229.4
47.5°	203.7	203.9	203.2	201.7	201.7	200.8	199.8	200.6	201.2	200.3	200.8
50°	179.3	178.2	176.7	175.7	176.2	175.9	175.0	174.3	173.8	173.9	174.6
52.5°	156.1	155.6	154.0	152.7	152.4	152.5	151.5	150.4	150.6	150.4	150.1
55°	135.3	135.3	133.2	132.6	131.1	131.1	129.8	129.6	129.0	129.0	128.1
57.5°	117.3	115.7	114.4	113.2	112.6	111.9	111.4	110.1	109.6	108.5	108.3
60°	100.7	98.7	97.8	96.5	95.3	94.7	93.7	92.6	91.9	91.1	90.0
62.5°	85.9	83.8	82.0	80.6	79.6	79.4	78.1	76.8	75.4	74.4	72.6
65°	71.1	69.8	67.9	65.9	65.6	64.7	63.2	61.9	60.1	58.5	57.4
67.5°	58.1	56.5	54.7	53.6	52.4	51.7	50.0	47.9	46.0	44.4	42.4
70°	46.5	44.2	42.6	40.8	40.4	38.8	37.4	35.3	33.5	31.4	28.6
72.5°	34.9	32.6	31.4	29.6	28.6	27.6	25.7	23.7	20.8	19.2	16.7
75°	24.6	22.6	20.8	19.0	18.4	17.1	15.5	13.3	11.6	9.9	8.2
77.5°	15.3	14.1	12.5	11.0	10.4	9.6	8.4	6.8	5.5	4.2	3.2
80°	8.8	7.6	6.6	5.5	5.2	4.8	3.7	2.9	2.3	1.6	1.1
82.5°	4.1	3.4	2.9	2.3	2.1	1.8	1.3	0.8	0.5	0.3	0.2
85°	1.3	0.8	0.7	0.5	0.3	0.3	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



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4
2.5°	538.3	538.5	538.8	538.8	538.8	538.9	538.9	539.3	539.4	539.6	539.6
5°	535.5	536.0	536.4	536.5	536.7	537.3	537.5	538.0	538.3	538.8	539.1
7.5°	531.6	532.1	532.8	533.2	533.6	534.2	534.7	535.7	536.2	537.0	537.6
10°	526.6	527.3	528.4	528.7	529.1	530.0	531.0	532.1	533.0	534.1	535.0
12.5°	519.3	520.4	521.6	521.9	522.5	523.7	525.0	526.6	527.9	529.2	530.7
15°	510.2	511.6	512.5	512.8	513.6	515.4	516.7	518.3	520.4	522.5	524.1
17.5°	497.5	498.3	499.8	500.6	501.4	503.2	505.2	507.3	509.1	511.5	513.9
20°	481.0	482.1	484.0	484.7	485.8	487.4	490.2	492.0	494.9	497.7	499.5
22.5°	460.3	462.3	464.2	465.1	465.8	467.8	469.7	472.8	475.1	479.0	481.3
25°	438.9	439.4	441.0	442.6	443.0	445.5	447.8	451.4	453.7	456.2	459.4
27.5°	414.3	415.0	417.6	417.9	418.1	420.7	423.4	426.2	428.2	431.1	432.7
30°	388.7	389.9	391.0	391.6	392.9	394.2	396.7	400.2	401.7	404.1	406.3
32.5°	362.5	362.5	365.0	365.1	365.8	368.7	370.2	372.3	374.7	376.7	376.5
35°	336.4	337.2	338.0	339.3	339.8	341.6	342.1	343.7	345.3	346.8	348.6
37.5°	309.6	309.6	311.5	312.4	313.0	313.8	314.8	316.3	317.2	317.7	318.8
40°	283.9	284.6	284.9	285.3	285.3	286.5	287.3	288.5	289.1	290.4	289.8
42.5°	257.9	257.5	257.6	258.6	258.8	259.4	260.0	260.7	261.4	261.0	262.3
45°	230.2	230.5	230.8	230.8	231.3	232.2	233.1	233.4	233.9	234.9	235.0
47.5°	201.4	202.2	201.7	203.2	203.5	203.7	205.8	206.0	207.8	208.1	208.1
50°	174.5	174.5	175.6	176.1	176.4	176.9	177.7	178.4	179.0	180.1	180.5
52.5°	150.2	150.6	150.6	150.1	150.6	150.6	152.4	152.5	152.4	152.7	153.3
55°	128.5	128.7	127.6	128.3	128.1	127.6	128.0	126.9	126.7	127.2	126.9
57.5°	107.7	106.9	106.7	105.9	105.9	104.9	104.1	104.1	103.3	102.1	102.0
60°	88.9	87.9	87.1	86.6	85.1	84.3	83.0	82.0	80.6	78.9	78.1
62.5°	71.3	70.0	68.6	67.9	66.8	64.7	63.0	61.4	59.1	57.7	56.3
65°	55.6	53.6	51.3	50.2	49.2	47.3	45.1	42.4	40.1	38.2	35.6
67.5°	40.3	38.2	35.9	34.3	33.1	30.8	28.3	26.0	23.4	21.3	20.0
70°	26.3	23.7	21.6	20.3	19.2	16.9	14.6	12.7	11.4	10.9	10.7
72.5°	15.0	12.3	10.7	9.4	8.6	7.0	5.7	5.0	4.7	4.4	4.1
75°	6.5	4.8	3.7	3.1	2.6	2.1	2.0	2.0	2.0	1.8	1.8
77.5°	2.3	1.6	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
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





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**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4
2.5°	539.8	540.1	540.1	540.3	540.5	540.5	540.5	540.5
5°	539.4	539.8	539.9	540.1	540.3	540.5	540.5	540.5
7.5°	538.0	538.8	538.9	539.3	539.6	539.8	539.8	539.9
10°	535.9	536.5	537.1	537.5	537.8	538.1	538.5	538.5
12.5°	532.0	533.0	533.7	534.1	535.0	535.4	535.7	536.0
15°	525.5	526.9	527.9	528.5	529.2	530.3	530.5	531.0
17.5°	515.9	517.8	518.2	519.3	520.1	521.9	521.7	521.9
20°	502.0	504.2	504.8	506.0	507.3	508.6	509.7	508.7
22.5°	483.4	486.0	487.0	488.1	488.9	490.1	491.5	491.7
25°	461.6	463.7	464.6	465.3	467.1	468.0	469.4	469.6
27.5°	436.4	437.6	438.9	439.2	441.2	441.8	443.0	443.0
30°	407.9	409.3	410.8	411.3	411.8	412.4	413.2	413.7
32.5°	378.6	380.1	380.6	381.5	381.7	382.7	382.2	383.7
35°	349.4	349.9	350.4	350.2	351.5	351.2	352.6	352.5
37.5°	320.0	319.7	320.6	321.5	321.1	320.8	321.3	320.5
40°	290.6	290.8	291.0	291.9	291.0	291.6	291.2	291.0
42.5°	263.2	263.2	262.2	263.2	262.5	262.2	262.8	261.8
45°	235.4	235.2	235.4	235.5	235.5	235.5	234.9	235.5
47.5°	209.0	209.2	208.5	209.7	209.4	208.7	208.7	208.1
50°	181.1	182.1	183.4	182.3	183.2	182.7	182.1	182.7
52.5°	154.5	155.3	154.3	154.5	156.4	156.4	155.4	155.3
55°	126.2	126.2	126.5	126.7	126.9	129.2	128.0	128.3
57.5°	100.9	100.9	100.4	101.4	100.7	99.8	100.7	98.4
60°	76.7	76.5	75.9	75.2	73.4	72.9	71.0	70.8
62.5°	54.6	52.6	51.8	50.4	48.4	47.9	46.0	45.8
65°	33.8	31.5	30.8	30.1	29.2	29.1	28.3	28.7
67.5°	19.2	18.9	18.7	18.2	17.8	17.5	17.5	17.2
70°	10.2	9.4	9.3	9.1	9.1	8.4	8.2	8.6
72.5°	3.9	3.6	3.6	3.6	3.4	3.4	3.4	3.4
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2
87.5°	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



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— 0°-180°    - - 45°-225°    - - - - 90°-270°















(END OF REPORT)