

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: P843915

Luminaire Tested: **LD6C08DE010B50 EU6C08B50 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843915  
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: LD6C08DE010B50 EU6C08B50 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

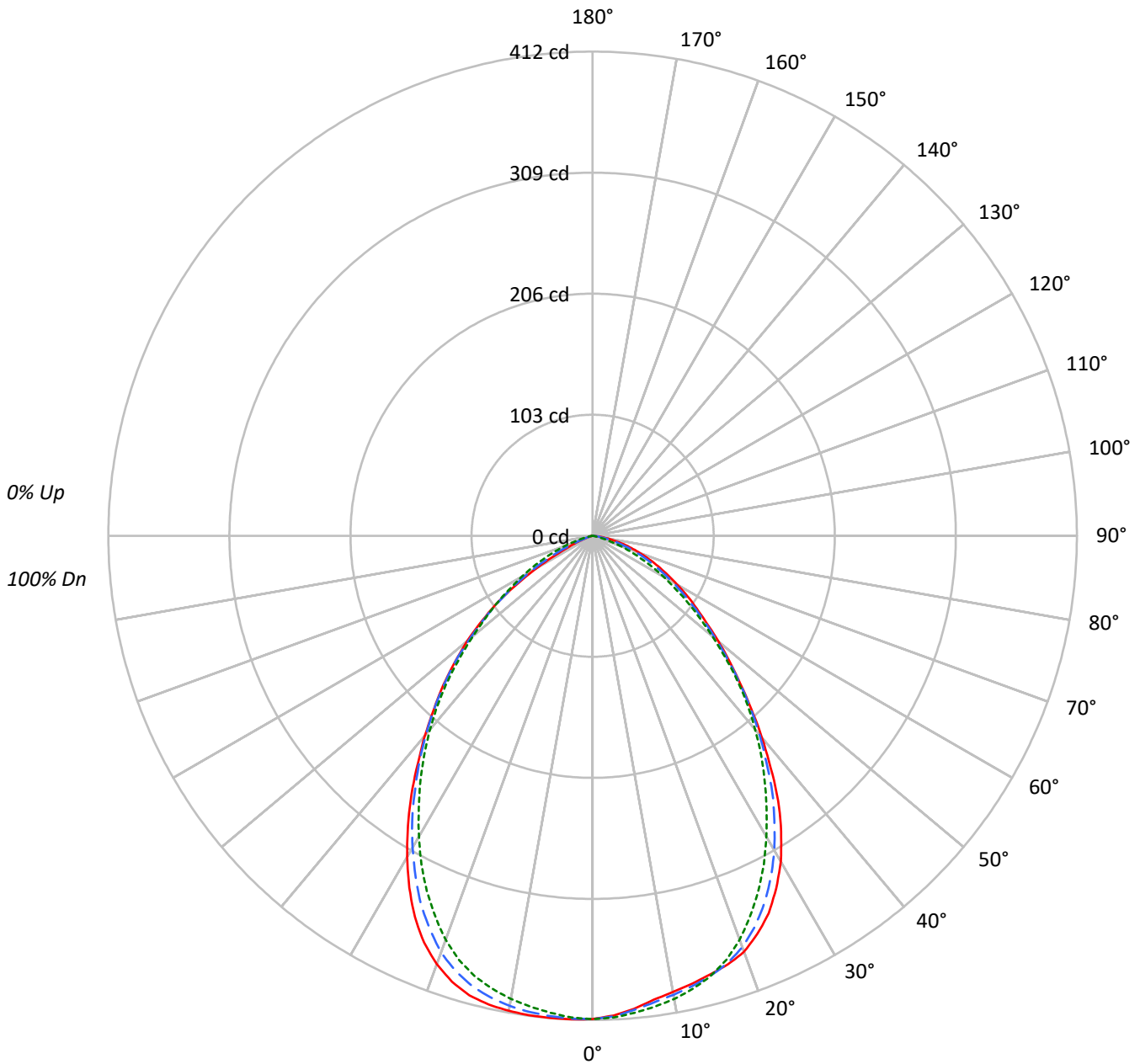
Lumens per Lamp: N/A  
Luminaire Lumens: 756.2 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.6  
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	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°	22542	22542	22542
5°	22232	22425	22667
10°	21938	22277	22851
15°	21930	22015	22974
20°	21976	21340	22624
25°	21437	20179	21648
30°	20263	18712	19965
35°	18424	17092	17976
40°	16023	15386	15873
45°	13738	13490	13924
50°	11906	11309	11872
55°	10332	9405	9347
60°	9100	7609	5910
65°	7990	5772	2841
70°	6860	3831	1058
75°	5571	1610	297
80°	3788	410	126
85°	1510	63	63



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.7	5.1
10°-20°	110.3	14.6
20°-30°	158.1	20.9
30°-40°	164.7	21.8
40°-50°	136.5	18.0
50°-60°	90.5	12.0
60°-70°	43.8	5.8
70°-80°	12.4	1.6
80°-90°	1.2	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°	307.1	40.6
0°-40°	471.8	62.4
0°-60°	698.8	92.4
0°-90°	756.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	756.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	411	411	411	411	411	
5°	404	405	408	410	412	38
15°	386	388	388	397	405	109
25°	354	345	334	346	358	162
35°	275	267	255	263	269	171
45°	177	177	174	178	180	138
55°	108	105	98	97	98	98
65°	62	56	44	31	22	61
75°	26	20	8	2	1	28
85°	2	1	0	0	0	4
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°	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2
2.5°	408.6	408.8	409.0	408.8	408.9	409.0	409.0	409.1	409.1	409.3	409.4
5°	404.0	404.4	404.4	404.4	404.4	404.5	404.7	404.7	404.5	404.5	405.1
7.5°	398.1	398.5	398.4	398.5	398.7	399.0	398.9	399.3	399.5	399.9	400.4
10°	394.1	394.2	394.1	394.5	394.7	395.0	395.0	395.2	395.6	396.0	396.6
12.5°	390.4	390.6	390.7	390.9	391.2	391.1	391.3	391.6	391.7	392.1	392.4
15°	386.4	387.0	386.9	387.0	387.1	387.3	387.4	387.5	387.4	387.4	387.7
17.5°	382.5	382.7	382.8	382.8	382.8	382.8	382.5	382.5	382.1	381.7	381.4
20°	376.7	376.5	376.3	376.3	375.8	375.9	375.4	375.0	374.4	373.5	372.5
22.5°	366.5	367.2	366.9	365.9	365.4	365.4	364.9	363.6	362.6	361.5	360.2
25°	354.4	354.1	353.7	353.1	352.4	351.8	351.0	350.2	348.4	346.5	345.4
27.5°	338.2	338.7	337.7	336.9	336.4	335.7	334.8	333.8	331.6	330.0	328.1
30°	320.1	319.9	319.7	318.7	317.6	317.8	316.2	315.0	313.4	310.6	309.1
32.5°	298.5	298.9	298.0	297.9	295.8	295.6	295.6	293.7	292.3	289.8	287.7
35°	275.3	275.1	274.8	273.8	273.7	272.9	272.2	270.9	269.1	268.3	266.6
37.5°	248.8	248.9	249.0	249.0	248.4	247.9	247.4	247.4	244.9	244.5	242.6
40°	223.9	224.2	224.1	223.2	223.3	223.5	223.3	223.2	221.7	221.2	220.8
42.5°	199.7	200.3	199.7	199.6	199.7	199.7	199.4	199.8	199.2	199.7	198.4
45°	177.2	177.7	177.3	177.2	176.8	177.6	176.7	177.4	177.0	176.3	176.6
47.5°	157.7	157.2	157.7	157.5	157.1	156.5	157.3	156.8	155.9	155.8	156.1
50°	139.6	139.4	139.6	139.5	138.9	138.9	138.7	138.4	138.1	137.3	136.8
52.5°	122.4	123.3	122.7	123.3	122.4	121.9	122.2	121.7	121.2	120.9	119.8
55°	108.1	108.3	108.3	108.3	107.7	107.5	107.1	106.9	106.9	105.7	104.6
57.5°	95.7	95.5	95.4	95.0	94.7	94.4	94.1	93.3	92.5	91.4	90.6
60°	83.0	83.2	83.2	82.7	82.3	81.9	81.8	81.2	80.3	79.2	77.9
62.5°	72.0	72.2	71.6	71.6	70.8	70.6	70.6	69.8	68.7	67.5	66.1
65°	61.6	61.4	61.7	60.7	60.8	60.1	59.8	59.3	58.3	56.8	55.5
67.5°	51.6	51.9	51.5	51.2	50.7	50.3	50.1	48.9	48.3	47.0	45.7
70°	42.8	42.5	42.2	42.2	41.7	41.2	41.1	39.8	39.1	38.1	36.5
72.5°	34.5	34.3	34.0	33.5	33.1	33.0	32.2	31.4	30.6	29.2	28.1
75°	26.3	26.2	25.9	25.7	25.0	24.7	24.5	23.6	22.1	21.0	20.1
77.5°	19.0	19.1	18.6	18.1	17.7	17.2	17.0	16.2	15.2	14.0	13.0
80°	12.0	12.1	12.0	11.5	11.0	10.9	10.5	9.9	9.1	8.2	7.6
82.5°	6.3	6.3	6.2	6.1	5.7	5.7	5.4	5.1	4.7	4.2	3.7
85°	2.4	2.4	2.3	2.2	2.0	2.0	1.9	1.8	1.5	1.4	1.1
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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°	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2
2.5°	409.4	409.5	409.7	409.8	409.8	409.8	409.9	410.0	410.0	410.3	410.4
5°	405.4	405.5	405.9	406.0	406.3	406.1	406.6	407.0	407.2	407.5	407.9
7.5°	400.7	401.2	401.7	402.1	402.2	402.3	402.7	403.3	403.7	404.2	404.7
10°	396.9	397.4	397.9	398.4	398.4	398.7	398.9	399.4	399.8	400.2	400.7
12.5°	392.7	393.2	393.3	393.7	393.7	393.8	394.1	394.2	394.6	394.7	395.6
15°	387.7	387.7	387.7	387.7	387.7	387.5	387.3	387.5	387.5	387.9	388.4
17.5°	380.7	380.7	379.9	379.5	379.7	379.0	378.8	378.3	378.3	378.3	378.7
20°	371.7	370.4	369.4	368.3	367.7	367.4	367.2	365.9	365.8	365.8	365.8
22.5°	358.7	357.4	356.0	355.0	353.6	353.0	352.5	351.7	350.7	350.2	351.5
25°	343.0	341.4	339.7	337.8	337.4	336.8	335.4	334.5	334.2	333.6	333.9
27.5°	326.3	324.0	322.2	320.4	319.6	318.8	317.6	316.3	315.0	315.3	315.3
30°	307.1	304.4	302.5	300.2	300.1	299.2	298.1	296.7	295.6	295.6	296.2
32.5°	286.3	284.4	282.7	280.1	279.6	279.1	278.4	277.0	276.1	275.3	275.9
35°	265.3	262.3	261.1	259.4	259.5	258.1	256.9	256.1	256.2	255.4	255.7
37.5°	242.6	240.8	239.0	238.4	237.8	236.9	236.4	235.9	235.5	235.5	235.2
40°	219.7	218.7	217.9	217.7	216.4	216.7	216.5	216.1	215.3	215.0	215.9
42.5°	198.1	197.1	196.7	196.0	195.9	195.5	195.5	195.0	194.9	195.0	194.9
45°	175.8	175.7	174.7	174.7	175.2	174.8	173.8	174.4	174.4	174.0	174.8
47.5°	155.3	155.4	154.8	153.8	153.8	153.0	152.3	152.9	153.4	152.7	153.0
50°	136.6	135.8	134.7	133.9	134.3	134.1	133.4	132.8	132.4	132.6	133.2
52.5°	119.0	118.6	117.4	116.4	116.1	116.2	115.5	114.6	114.8	114.6	114.3
55°	103.1	103.1	101.4	101.1	99.9	99.9	98.9	98.8	98.4	98.4	97.6
57.5°	89.4	88.2	87.3	86.3	85.9	85.4	84.9	84.0	83.6	82.7	82.6
60°	76.8	75.3	74.6	73.5	72.7	72.1	71.5	70.6	70.1	69.4	68.6
62.5°	65.5	63.9	62.5	61.4	60.7	60.6	59.5	58.6	57.4	56.7	55.3
65°	54.2	53.2	51.7	50.2	50.0	49.3	48.2	47.2	45.8	44.5	43.8
67.5°	44.3	43.0	41.7	40.9	40.0	39.3	38.2	36.5	35.0	33.8	32.4
70°	35.4	33.7	32.5	31.1	30.9	29.6	28.6	26.9	25.5	23.9	21.7
72.5°	26.7	24.9	23.9	22.5	21.7	21.0	19.6	18.1	15.9	14.7	12.8
75°	18.7	17.2	15.9	14.5	14.0	13.0	11.8	10.2	8.8	7.6	6.2
77.5°	11.6	10.7	9.5	8.5	7.8	7.3	6.3	5.2	4.2	3.3	2.4
80°	6.7	5.8	5.1	4.2	3.9	3.7	2.9	2.2	1.8	1.3	0.8
82.5°	3.2	2.5	2.2	1.8	1.6	1.4	1.0	0.6	0.4	0.3	0.1
85°	1.0	0.6	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1
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°	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2
2.5°	410.4	410.5	410.7	410.7	410.7	410.8	410.8	411.0	411.2	411.3	411.3
5°	408.1	408.6	408.9	409.0	409.1	409.5	409.7	410.0	410.4	410.7	410.9
7.5°	405.2	405.6	406.1	406.4	406.7	407.2	407.6	408.4	408.8	409.3	409.8
10°	401.4	401.9	402.7	403.1	403.3	404.0	404.8	405.6	406.3	407.1	407.8
12.5°	395.9	396.6	397.6	397.9	398.3	399.3	400.2	401.4	402.3	403.5	404.5
15°	388.9	389.9	390.7	390.9	391.5	392.8	393.8	395.1	396.6	398.3	399.5
17.5°	379.3	379.8	381.1	381.6	382.2	383.6	385.1	386.8	388.0	389.8	391.7
20°	366.6	367.4	368.9	369.4	370.3	371.5	373.7	375.0	377.3	379.4	380.7
22.5°	350.8	352.4	353.9	354.5	355.0	356.5	358.1	360.3	362.1	365.1	366.9
25°	334.5	335.0	336.2	337.4	337.7	339.6	341.4	344.0	345.8	347.7	350.2
27.5°	315.8	316.3	318.2	318.6	318.7	320.7	322.8	324.9	326.4	328.6	329.8
30°	296.2	297.2	298.0	298.6	299.5	300.5	302.4	305.1	306.2	308.1	309.7
32.5°	276.3	276.3	278.2	278.4	278.9	281.0	282.2	283.8	285.7	287.1	287.0
35°	256.5	257.0	257.6	258.6	259.0	260.4	260.8	262.1	263.2	264.3	265.7
37.5°	236.0	236.0	237.4	238.1	238.5	239.2	239.9	241.1	241.8	242.2	243.0
40°	216.4	216.9	217.2	217.4	217.4	218.4	218.9	219.9	220.3	221.4	220.8
42.5°	196.5	196.3	196.4	197.1	197.2	197.8	198.2	198.7	199.3	199.0	200.0
45°	175.5	175.7	175.9	175.9	176.3	177.0	177.7	178.0	178.3	179.1	179.2
47.5°	153.5	154.2	153.8	154.8	155.2	155.3	156.8	157.1	158.4	158.6	158.6
50°	132.9	132.9	133.8	134.2	134.5	134.8	135.5	136.0	136.3	137.3	137.6
52.5°	114.5	114.8	114.8	114.3	114.8	114.8	116.1	116.2	116.1	116.4	116.9
55°	97.9	98.0	97.3	97.8	97.6	97.3	97.5	96.7	96.6	97.0	96.7
57.5°	82.1	81.5	81.3	80.7	80.7	80.0	79.3	79.3	78.8	77.8	77.7
60°	67.8	66.9	66.4	66.0	64.9	64.2	63.4	62.5	61.4	60.2	59.5
62.5°	54.4	53.4	52.2	51.7	51.0	49.3	48.1	46.9	45.1	44.0	42.9
65°	42.4	40.9	39.1	38.3	37.4	36.0	34.4	32.4	30.6	29.1	27.2
67.5°	30.7	29.1	27.3	26.1	25.3	23.5	21.6	19.9	17.8	16.2	15.2
70°	20.1	18.1	16.4	15.4	14.7	12.9	11.1	9.6	8.7	8.2	8.1
72.5°	11.4	9.4	8.1	7.2	6.6	5.3	4.3	3.8	3.5	3.4	3.2
75°	4.9	3.7	2.9	2.3	2.0	1.6	1.5	1.5	1.5	1.4	1.4
77.5°	1.8	1.3	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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°	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2
2.5°	411.4	411.7	411.7	411.8	411.9	411.9	411.9	411.9
5°	411.2	411.4	411.6	411.7	411.8	411.9	411.9	411.9
7.5°	410.0	410.7	410.8	411.0	411.3	411.4	411.4	411.6
10°	408.5	409.0	409.4	409.7	409.9	410.3	410.5	410.5
12.5°	405.5	406.3	406.9	407.1	407.8	408.0	408.4	408.6
15°	400.6	401.7	402.3	402.9	403.5	404.2	404.4	404.8
17.5°	393.2	394.7	395.0	395.9	396.5	397.9	397.8	397.9
20°	382.7	384.2	384.9	385.6	386.8	387.7	388.5	387.8
22.5°	368.5	370.4	371.2	372.1	372.7	373.6	374.6	374.8
25°	351.8	353.5	354.1	354.6	356.0	356.7	357.8	357.9
27.5°	332.6	333.6	334.5	334.8	336.3	336.8	337.7	337.7
30°	310.9	312.0	313.1	313.5	313.9	314.3	315.0	315.4
32.5°	288.6	289.8	290.1	290.8	291.0	291.7	291.4	292.4
35°	266.4	266.6	267.1	266.9	267.9	267.7	268.9	268.6
37.5°	244.0	243.7	244.4	245.1	244.7	244.5	244.9	244.2
40°	221.6	221.7	221.8	222.5	221.8	222.2	222.0	221.8
42.5°	200.6	200.6	199.8	200.6	200.1	199.8	200.3	199.6
45°	179.5	179.3	179.5	179.6	179.6	179.6	179.1	179.6
47.5°	159.4	159.5	159.0	159.9	159.6	159.1	159.1	158.6
50°	138.0	138.9	139.8	139.0	139.6	139.2	138.9	139.2
52.5°	117.8	118.3	117.6	117.8	119.3	119.3	118.5	118.3
55°	96.1	96.1	96.5	96.6	96.7	98.5	97.5	97.8
57.5°	76.9	76.9	76.5	77.3	76.8	76.0	76.8	75.0
60°	58.4	58.3	57.9	57.3	55.9	55.5	54.0	53.9
62.5°	41.6	40.1	39.6	38.4	36.9	36.5	35.0	34.9
65°	25.8	24.0	23.5	23.0	22.3	22.1	21.6	21.9
67.5°	14.7	14.4	14.3	13.9	13.5	13.3	13.3	13.2
70°	7.7	7.2	7.1	7.0	7.0	6.3	6.2	6.6
72.5°	3.0	2.7	2.7	2.7	2.5	2.5	2.5	2.5
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1
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)