

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: P843896

Luminaire Tested: **LD6C08DE010B40 EU6C08B40 6LBLDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843896
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: LD6C08DE010B40 EU6C08B40 6LBLDWLI
Description:
Light Source: -
Ballast/Driver:

Summary

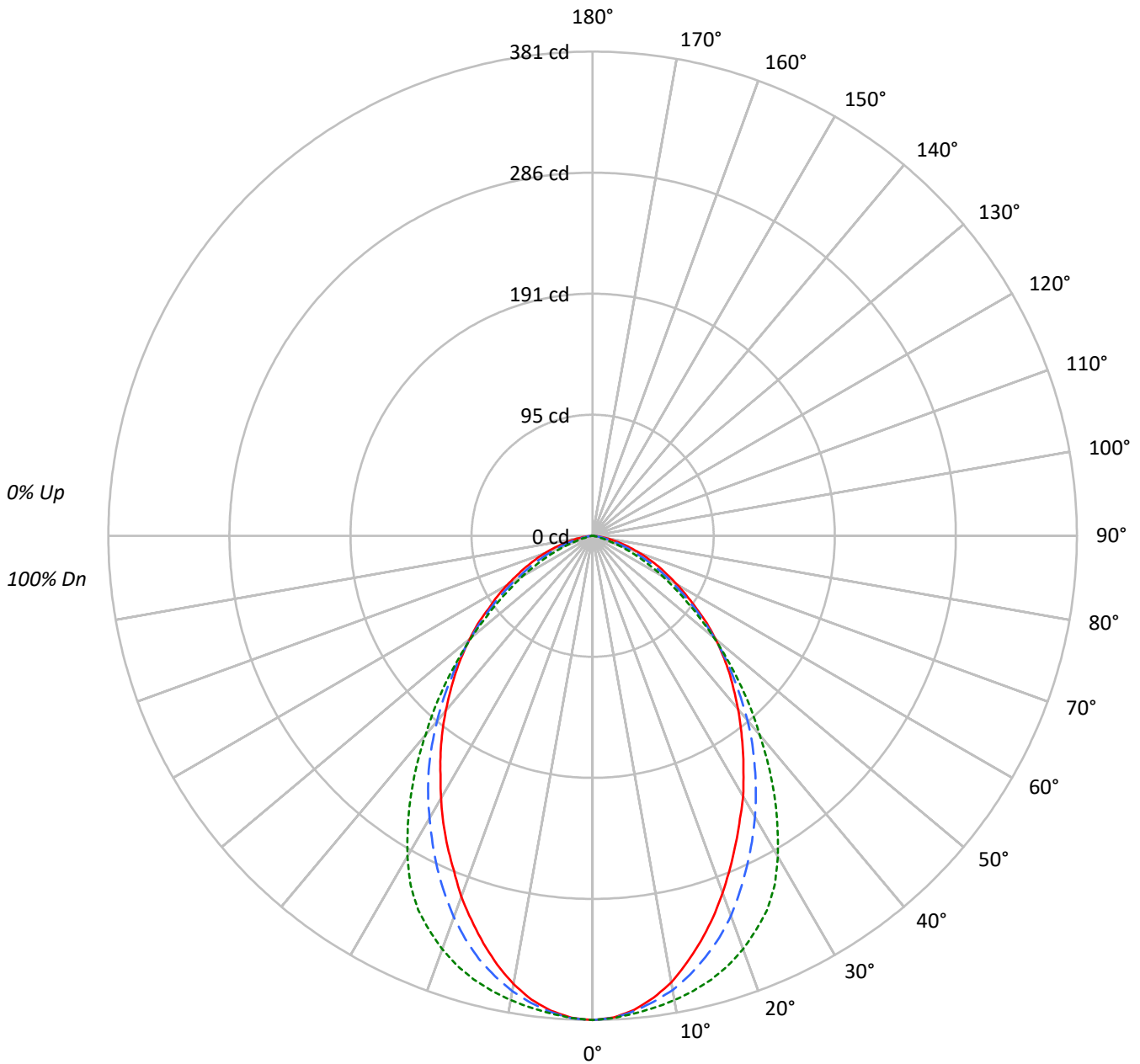
Lumens per Lamp: N/A
Luminaire Lumens: 682.2 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	20892	20892	20892
5°	20614	20763	20647
10°	19862	20652	19940
15°	18717	20511	18842
20°	17443	20191	17630
25°	16132	19652	16326
30°	14983	18446	15085
35°	13786	16684	13947
40°	12738	14627	12860
45°	11769	12645	11807
50°	10763	10601	10754
55°	9510	8659	9538
60°	8398	6951	8519
65°	7394	5176	7446
70°	6219	3238	6395
75°	4935	1377	5062
80°	3315	347	3536
85°	1321	63	1572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	5.2
10°-20°	96.9	14.2
20°-30°	133.8	19.6
30°-40°	140.7	20.6
40°-50°	121.2	17.8
50°-60°	86.3	12.6
60°-70°	48.6	7.1
70°-80°	17.2	2.5
80°-90°	1.9	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°	266.2	39.0
0°-40°	406.9	59.6
0°-60°	614.4	90.1
0°-90°	682.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	682.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	381	381	381	381	381	
5°	375	376	377	376	375	35
15°	330	343	361	345	332	92
25°	267	287	325	289	270	123
35°	206	222	249	225	208	129
45°	152	156	163	156	152	117
55°	100	96	91	96	100	90
65°	57	49	40	49	57	56
75°	23	16	6	16	24	25
85°	2	1	0	1	2	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°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	379.5	379.6	379.6	379.7	379.6	379.6	379.7	379.7	379.6	379.7	379.7
5°	374.6	374.5	374.6	374.7	375.1	375.1	375.0	375.0	375.4	375.2	375.5
7.5°	366.7	366.7	367.1	367.3	367.3	367.5	367.7	368.3	368.8	368.9	369.7
10°	356.8	357.0	356.8	357.3	357.7	358.3	358.2	359.1	360.0	361.3	362.9
12.5°	343.7	344.0	344.8	344.8	346.0	346.6	346.5	348.5	350.2	351.7	353.8
15°	329.8	329.7	330.3	331.4	332.5	333.4	333.8	336.4	338.1	340.7	343.2
17.5°	315.0	314.5	315.6	316.2	318.1	319.3	320.0	322.4	325.0	328.1	331.5
20°	299.0	299.6	299.9	300.8	303.3	304.3	305.6	308.1	310.7	314.3	318.2
22.5°	282.7	283.7	284.2	285.2	287.4	288.1	289.4	293.1	295.9	299.2	302.8
25°	266.7	267.7	268.6	270.0	271.4	272.6	274.2	276.8	280.1	283.0	287.1
27.5°	251.1	251.9	252.2	253.8	255.5	257.0	258.0	261.0	263.8	267.4	271.4
30°	236.7	236.2	236.8	238.2	240.1	241.1	242.6	244.7	247.7	251.2	255.4
32.5°	220.9	220.9	221.9	223.6	225.1	225.9	226.3	229.2	232.3	235.5	238.9
35°	206.0	206.6	207.4	208.5	210.0	210.7	211.8	213.9	216.3	220.0	222.5
37.5°	191.6	192.1	192.9	194.0	195.2	196.5	196.9	199.2	201.0	204.0	206.3
40°	178.0	178.1	179.2	179.6	180.6	181.2	182.2	183.4	185.9	187.2	189.4
42.5°	164.3	164.9	165.3	166.2	166.3	167.3	167.8	168.3	170.3	171.0	172.3
45°	151.8	151.8	152.2	152.2	152.8	152.4	153.3	154.0	154.1	155.4	156.1
47.5°	138.9	138.4	139.0	138.9	138.7	138.7	139.0	139.1	139.5	140.3	140.8
50°	126.2	125.3	125.3	125.2	125.1	125.4	125.4	125.3	125.3	125.8	125.3
52.5°	113.4	113.2	112.5	112.0	111.7	111.7	111.7	111.3	111.3	110.9	110.1
55°	99.5	99.8	99.6	99.4	99.2	98.9	98.9	98.3	97.2	96.7	96.2
57.5°	87.6	88.1	88.1	87.6	86.9	86.6	86.0	85.7	84.7	83.9	82.8
60°	76.6	77.2	76.4	75.9	75.8	75.4	75.2	73.8	72.9	72.0	70.9
62.5°	66.2	66.4	65.8	65.4	65.0	64.6	64.5	63.4	61.9	60.7	59.3
65°	57.0	56.6	56.4	55.7	55.1	54.6	54.6	53.1	51.6	50.2	48.9
67.5°	47.5	47.7	47.4	46.9	45.8	45.3	44.5	43.5	42.2	40.8	39.2
70°	38.8	38.7	38.3	37.8	37.1	36.3	35.6	35.1	33.3	31.7	30.2
72.5°	30.9	30.8	30.5	29.8	28.9	28.5	28.0	26.8	25.3	23.9	22.4
75°	23.3	23.4	22.7	22.5	21.5	21.2	21.0	19.5	18.3	17.0	15.7
77.5°	16.7	16.7	16.1	15.5	15.0	14.8	14.3	13.3	12.5	11.2	10.0
80°	10.5	10.5	10.5	9.9	9.4	9.2	8.8	8.1	7.3	6.5	5.7
82.5°	5.6	5.6	5.4	5.2	5.0	4.8	4.5	4.3	3.7	3.3	2.7
85°	2.1	2.1	2.0	2.0	1.8	1.8	1.7	1.5	1.3	1.2	1.1
87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	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°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	379.8	379.8	379.7	379.8	379.8	379.8	379.8	379.8	379.8	379.8	380.0
5°	375.8	376.1	376.3	376.4	376.6	376.7	376.9	377.0	377.2	377.3	377.3
7.5°	370.5	371.4	372.1	372.7	372.9	373.2	373.6	374.1	374.5	374.5	374.4
10°	364.4	365.4	366.7	367.8	368.3	368.9	369.5	370.3	370.9	371.0	371.0
12.5°	356.2	357.5	359.7	361.6	362.3	363.3	364.6	365.7	366.4	366.7	366.6
15°	346.0	348.7	351.9	354.0	355.0	356.5	358.5	359.8	360.9	361.4	361.1
17.5°	335.0	338.3	341.8	344.7	346.1	347.6	350.4	352.7	354.2	354.6	354.4
20°	322.4	326.2	329.8	333.5	335.4	337.2	340.1	343.1	345.6	346.1	345.7
22.5°	307.3	311.6	316.1	320.3	322.5	324.1	328.3	331.6	334.5	335.8	335.0
25°	291.8	296.3	301.1	304.7	307.1	310.0	313.8	317.6	321.2	324.9	321.5
27.5°	275.2	279.4	284.4	289.5	291.8	293.8	297.7	302.6	306.3	310.0	306.3
30°	258.7	264.0	268.5	273.0	275.5	277.9	281.9	285.8	289.4	291.4	289.1
32.5°	243.1	247.1	251.6	255.8	257.6	259.5	262.9	266.6	270.0	270.6	269.2
35°	226.9	230.4	234.1	236.8	238.9	241.0	243.9	246.2	247.1	249.3	247.7
37.5°	208.5	211.5	214.8	216.8	218.7	220.4	222.5	224.6	225.4	227.0	225.9
40°	191.0	193.5	195.5	197.6	198.6	200.3	201.2	202.9	203.7	204.4	204.7
42.5°	174.2	175.6	177.0	178.5	179.0	179.3	181.5	182.5	183.5	184.0	183.2
45°	157.1	158.4	159.0	160.1	160.8	161.0	161.8	162.0	162.2	163.1	162.8
47.5°	141.4	141.5	141.8	142.4	142.7	142.7	143.2	142.7	142.9	143.0	143.3
50°	124.9	125.9	124.9	125.4	125.5	125.4	125.1	124.8	124.5	124.3	124.2
52.5°	109.5	109.6	109.0	108.6	108.3	108.4	107.3	106.9	107.0	106.3	107.1
55°	95.3	94.8	93.6	93.3	92.3	92.2	92.1	91.5	90.4	90.6	90.9
57.5°	81.6	80.8	79.6	79.0	78.8	77.7	77.6	76.6	75.9	75.8	75.8
60°	69.4	68.5	67.5	66.3	65.4	64.9	64.3	63.2	63.5	63.4	62.7
62.5°	57.6	56.8	55.1	53.8	53.3	52.9	52.0	51.3	50.9	51.3	50.9
65°	47.2	45.8	43.9	42.6	42.5	42.0	40.9	40.5	40.1	39.9	40.2
67.5°	37.5	35.6	34.5	32.8	32.0	31.8	30.5	29.6	29.8	29.6	29.8
70°	28.7	26.8	25.2	23.9	23.0	22.5	21.8	20.7	20.6	20.2	20.7
72.5°	20.7	19.0	17.7	16.3	15.4	14.9	13.9	12.9	12.6	12.4	12.4
75°	14.3	12.9	11.3	10.0	9.4	8.9	7.9	7.1	6.5	6.5	6.5
77.5°	8.9	7.7	6.7	5.7	5.4	4.9	3.9	3.2	3.0	2.5	2.6
80°	5.1	4.2	3.6	3.0	2.5	2.3	1.8	1.4	1.1	1.1	1.1
82.5°	2.4	2.0	1.5	1.3	1.2	0.8	0.6	0.5	0.4	0.2	0.2
85°	0.7	0.6	0.5	0.4	0.2	0.2	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°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	379.8	380.0	379.8	380.0	379.8	380.1	380.1	380.0	380.0	380.0	379.8
5°	377.2	377.2	377.0	377.0	377.0	376.9	376.5	376.5	376.3	376.1	375.9
7.5°	374.2	374.0	373.6	373.5	373.1	372.7	372.0	371.3	370.8	370.2	369.5
10°	370.7	370.1	369.2	368.8	368.5	367.6	366.5	365.0	363.9	362.8	361.5
12.5°	366.0	365.3	363.9	362.9	362.2	360.7	359.0	357.1	355.0	352.9	351.7
15°	360.1	358.9	357.1	356.0	354.9	352.6	349.7	347.0	345.0	342.7	339.6
17.5°	353.1	351.2	348.8	347.1	345.7	342.7	339.3	335.8	332.7	330.0	326.9
20°	343.4	341.2	338.2	336.0	334.6	330.7	327.0	323.0	319.3	315.9	312.4
22.5°	332.1	328.3	325.3	322.8	321.3	316.9	312.7	308.4	304.5	301.5	297.7
25°	317.8	314.2	310.5	308.4	306.1	301.3	297.1	292.6	288.9	285.2	281.8
27.5°	302.7	298.4	294.3	291.9	289.8	285.1	280.9	276.9	272.7	268.6	265.5
30°	286.2	281.9	278.7	275.6	273.2	269.5	264.3	260.2	256.5	252.9	249.5
32.5°	267.7	264.2	260.4	258.8	257.0	252.6	248.5	244.5	240.9	237.2	233.7
35°	246.3	243.6	241.2	239.6	238.5	234.5	231.3	227.2	224.9	221.2	218.6
37.5°	224.4	223.1	221.6	219.5	217.9	215.5	213.6	210.3	207.5	204.9	202.1
40°	203.5	201.9	199.9	198.8	198.5	196.5	193.8	192.1	190.5	188.0	186.6
42.5°	183.0	182.2	180.2	179.7	179.2	177.4	176.1	174.6	173.6	171.8	171.0
45°	162.1	162.0	161.5	161.0	160.8	159.5	159.2	157.3	156.4	156.0	155.3
47.5°	143.6	143.3	142.5	143.3	142.1	142.0	142.0	141.6	141.2	140.2	140.1
50°	124.8	125.4	125.5	125.2	126.0	125.9	125.2	125.3	125.5	126.1	125.3
52.5°	107.6	108.0	108.9	108.5	109.1	109.8	109.6	110.6	110.2	110.7	111.7
55°	91.1	92.5	93.4	93.0	93.5	94.3	94.6	95.4	96.2	97.1	97.7
57.5°	77.0	77.3	78.7	79.0	79.1	79.7	81.0	82.5	83.3	84.0	84.6
60°	63.1	64.4	65.3	65.3	66.3	67.2	68.3	69.6	70.6	72.1	73.3
62.5°	51.4	51.6	52.9	53.1	53.8	55.3	56.3	58.2	59.4	61.0	62.6
65°	40.1	41.2	42.0	42.1	43.3	44.4	45.7	47.5	49.3	50.7	52.0
67.5°	30.0	30.7	31.7	32.6	32.8	34.5	36.4	38.1	39.6	40.8	42.6
70°	21.0	21.5	23.0	23.4	24.2	25.5	27.0	28.8	30.6	32.4	33.7
72.5°	12.9	14.0	14.9	15.7	16.3	17.8	19.5	21.0	22.5	24.0	25.8
75°	7.1	7.9	8.9	9.6	10.3	11.4	13.0	14.5	15.9	17.3	18.6
77.5°	3.2	3.9	4.9	5.4	5.8	6.9	8.0	9.3	10.5	11.4	12.6
80°	1.3	1.8	2.3	2.6	3.0	3.6	4.4	5.1	5.8	6.8	7.6
82.5°	0.5	0.6	0.8	1.2	1.3	1.7	2.0	2.4	3.1	3.4	3.9
85°	0.1	0.1	0.2	0.2	0.4	0.5	0.6	0.8	1.1	1.2	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	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°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	379.8	379.7	379.7	379.7	379.7	379.6	379.6	379.6
5°	376.0	375.8	375.7	375.7	375.2	375.4	375.4	375.2
7.5°	369.2	369.0	368.6	368.9	368.8	368.4	368.3	368.2
10°	360.4	360.0	359.8	359.2	358.9	358.7	358.7	358.2
12.5°	350.1	348.7	348.5	347.9	347.0	346.5	346.8	346.0
15°	338.4	336.4	335.4	335.0	333.9	333.0	332.2	332.0
17.5°	324.4	322.0	321.3	320.8	318.7	318.5	317.5	317.1
20°	309.6	307.6	306.4	305.7	304.0	302.5	302.4	302.2
22.5°	295.2	291.9	290.8	289.8	288.0	286.7	285.9	285.2
25°	278.9	276.3	274.5	273.3	272.0	271.1	270.0	269.9
27.5°	262.6	260.1	258.9	258.0	256.3	255.1	254.1	254.6
30°	246.7	244.2	242.9	242.2	240.5	239.9	238.1	238.3
32.5°	231.0	228.7	227.8	226.2	224.7	223.9	223.3	222.8
35°	215.8	213.9	212.6	211.6	210.3	209.0	208.4	208.4
37.5°	200.4	198.5	197.9	197.1	195.9	194.1	193.4	194.0
40°	184.8	183.4	182.8	182.2	181.0	180.3	179.7	179.7
42.5°	169.9	168.5	168.4	167.8	166.8	166.5	165.9	165.5
45°	154.3	153.7	153.3	153.3	153.0	152.9	152.6	152.3
47.5°	139.5	139.6	139.3	139.2	139.3	139.0	139.5	139.1
50°	125.9	125.5	125.9	125.5	125.8	126.2	125.8	126.1
52.5°	111.4	112.5	112.6	112.1	112.6	113.0	113.3	113.9
55°	98.5	98.9	99.1	99.6	99.8	100.7	99.8	99.8
57.5°	86.0	86.6	86.9	87.3	88.3	87.9	88.5	89.1
60°	74.7	75.4	75.9	76.4	76.7	77.6	77.8	77.7
62.5°	63.7	64.7	64.9	65.9	66.2	66.8	67.3	66.8
65°	53.3	54.4	55.1	55.7	56.5	57.1	57.0	57.4
67.5°	43.9	45.2	45.8	46.1	47.1	47.4	48.0	48.3
70°	35.3	36.3	37.0	37.4	38.1	38.8	39.4	39.9
72.5°	27.0	28.3	29.2	29.4	30.5	30.9	31.2	31.5
75°	20.0	21.2	21.5	22.1	22.6	23.8	23.7	23.9
77.5°	13.9	14.6	15.4	15.4	16.3	16.5	17.1	17.3
80°	8.2	9.2	9.5	9.6	10.3	10.7	10.9	11.2
82.5°	4.3	5.0	5.0	5.2	5.7	5.7	5.8	6.1
85°	1.7	1.9	2.0	2.0	2.1	2.4	2.4	2.5
87.5°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
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)