

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: P843897

Luminaire Tested: **LD6C08DE010B40 EU6C08B40 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843897
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: LD6C08DE010B40 EU6C08B40 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

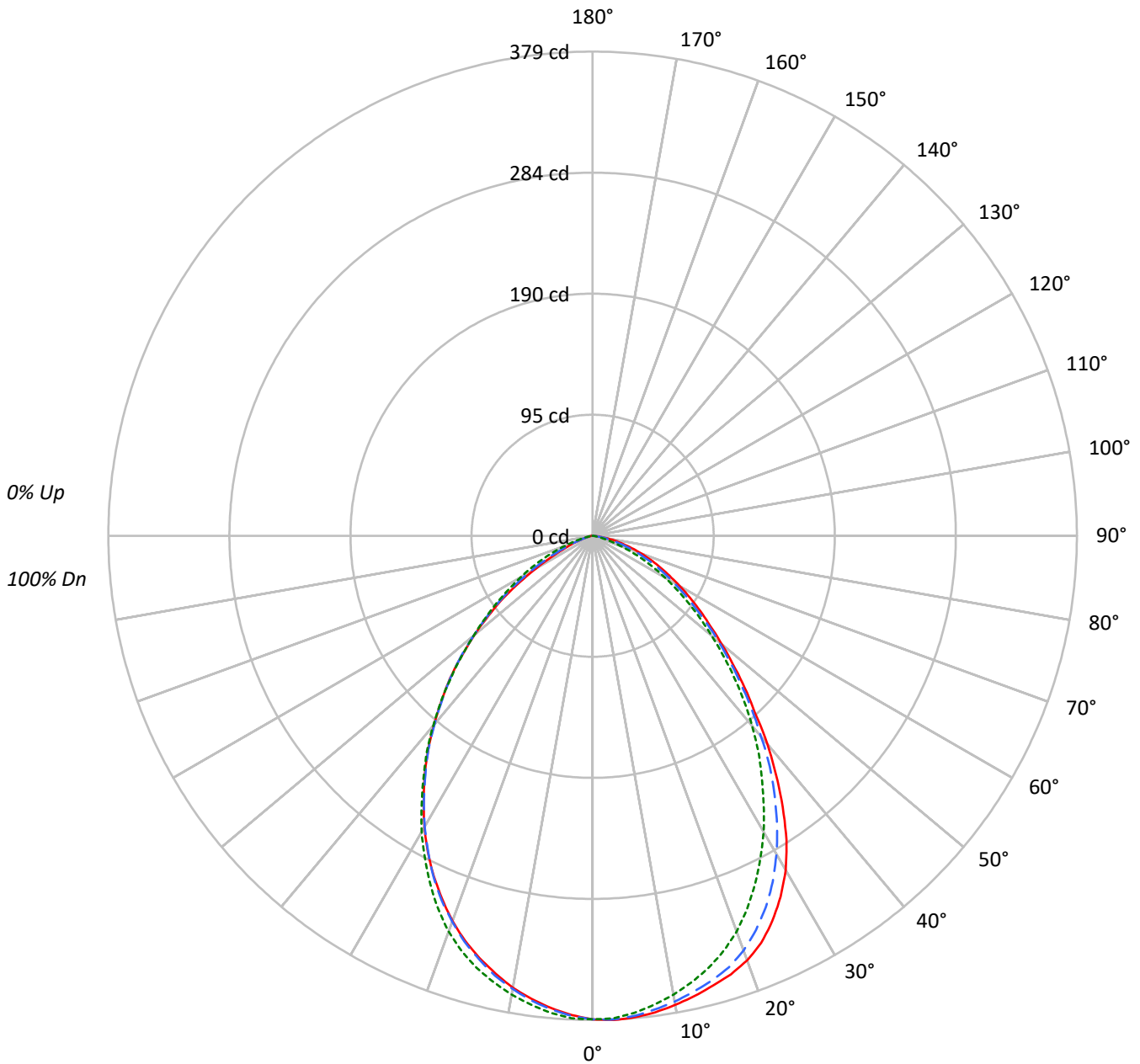
Lumens per Lamp: N/A
Luminaire Lumens: 688.5 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	20749	20749	20749
5°	20823	20631	20427
10°	20758	20301	20001
15°	20681	19881	19416
20°	20634	19228	18715
25°	20130	18195	17789
30°	19130	16946	16661
35°	17360	15432	15325
40°	15236	13890	13812
45°	13063	12133	12234
50°	11241	10337	10285
55°	9825	8736	8200
60°	8640	7160	5592
65°	7562	5539	3360
70°	6443	3735	1988
75°	5189	1949	1080
80°	3599	758	600
85°	1447	252	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	5.2
10°-20°	99.0	14.4
20°-30°	140.9	20.5
30°-40°	148.3	21.5
40°-50°	123.6	18.0
50°-60°	83.5	12.1
60°-70°	42.3	6.1
70°-80°	13.7	2.0
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°	275.4	40.0
0°-40°	423.8	61.6
0°-60°	630.9	91.6
0°-90°	688.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	688.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	378	378	378	378	378	
5°	378	377	375	372	371	36
15°	364	360	350	343	342	103
25°	333	321	301	295	294	153
35°	259	248	231	228	229	161
45°	168	164	156	157	158	130
55°	103	98	91	88	86	93
65°	58	53	43	31	26	58
75°	24	19	9	5	5	26
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°	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5
2.5°	379.4	379.4	379.4	379.4	379.4	379.4	379.3	379.3	379.1	379.1	379.0
5°	378.4	378.5	378.5	378.4	378.4	378.1	378.1	378.0	377.7	377.4	377.3
7.5°	376.2	376.2	376.1	376.0	375.9	375.5	375.4	374.9	374.7	374.4	374.0
10°	372.9	372.9	372.8	372.5	372.4	372.2	372.2	371.7	371.1	370.5	370.2
12.5°	369.0	369.1	368.9	368.7	368.4	368.3	368.0	367.3	366.9	366.2	365.5
15°	364.4	364.7	364.7	364.1	363.7	363.6	363.3	362.9	362.0	361.2	360.4
17.5°	359.9	360.2	359.9	359.6	359.2	358.6	358.4	357.7	356.5	355.5	354.3
20°	353.7	354.1	353.6	352.9	352.2	352.1	351.7	350.4	348.7	347.2	345.5
22.5°	344.9	344.7	344.3	344.0	342.8	342.0	341.5	339.8	338.0	336.0	334.0
25°	332.8	333.4	332.6	331.5	330.8	330.1	328.8	327.0	325.3	323.2	320.8
27.5°	318.6	318.6	317.6	317.2	315.8	314.8	314.1	312.3	310.2	308.0	305.3
30°	302.2	301.4	301.4	299.6	298.5	298.1	297.5	294.6	292.6	290.3	287.7
32.5°	282.3	282.2	281.6	280.6	279.0	277.7	277.7	275.7	273.2	270.3	268.7
35°	259.4	259.5	259.3	258.1	258.1	256.5	256.3	254.5	252.5	250.2	248.2
37.5°	235.7	236.3	235.7	235.1	234.8	234.6	233.5	232.2	230.7	229.4	227.9
40°	212.9	212.1	212.4	211.1	211.2	211.0	210.5	208.8	207.9	206.7	205.0
42.5°	188.2	188.9	189.2	188.5	188.2	187.6	188.2	187.5	186.6	185.9	184.3
45°	168.5	167.7	168.1	167.8	168.0	166.9	166.6	166.3	165.9	164.8	164.1
47.5°	148.9	149.0	148.9	148.4	148.1	148.1	147.5	146.8	146.8	146.1	145.5
50°	131.8	131.8	132.1	131.5	131.1	130.6	130.8	130.0	129.6	128.9	128.5
52.5°	116.1	116.3	115.8	115.9	115.7	115.7	115.2	114.6	114.1	113.0	112.7
55°	102.8	102.9	102.3	102.6	101.7	101.4	101.1	100.4	100.4	99.2	97.8
57.5°	90.3	90.2	90.1	89.7	89.2	88.8	88.4	87.6	87.1	86.4	85.2
60°	78.8	78.6	78.4	78.3	77.8	77.0	77.0	76.4	75.1	74.4	73.2
62.5°	67.8	67.8	67.7	67.3	66.9	66.5	66.3	65.8	64.5	63.7	62.6
65°	58.3	58.2	57.7	57.1	56.9	56.9	55.9	55.6	54.6	53.7	52.6
67.5°	49.1	48.7	48.3	48.4	47.7	47.7	47.0	46.3	45.4	43.9	43.0
70°	40.2	40.0	39.7	39.4	39.3	38.8	38.4	37.7	36.8	35.6	34.3
72.5°	32.2	32.2	31.8	31.5	31.2	30.7	30.5	29.8	28.8	27.5	26.4
75°	24.5	24.5	24.5	24.0	23.8	23.6	22.7	22.4	21.3	20.5	19.2
77.5°	18.1	17.8	17.5	17.3	17.0	16.8	16.4	15.8	14.8	13.9	13.1
80°	11.4	11.8	11.4	11.4	10.8	10.6	10.5	9.6	9.3	8.6	7.9
82.5°	6.3	6.5	6.2	6.1	5.7	5.6	5.6	5.1	4.9	4.3	3.9
85°	2.3	2.4	2.3	2.3	2.0	2.1	2.0	1.9	1.7	1.4	1.3
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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°	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5
2.5°	379.0	378.6	378.6	378.5	378.4	378.4	378.4	378.3	378.0	378.0	377.9
5°	377.0	376.7	376.4	376.1	376.0	375.9	375.7	375.6	375.0	374.9	374.6
7.5°	373.6	373.3	372.7	372.4	372.1	371.9	371.4	371.1	370.6	370.2	369.9
10°	369.5	368.9	368.4	367.7	367.4	367.1	366.5	365.6	365.3	364.7	364.1
12.5°	364.9	364.1	363.1	362.3	362.1	361.5	360.4	359.8	359.0	357.9	357.1
15°	359.2	358.3	357.4	356.0	355.6	354.8	353.9	352.6	351.3	350.3	349.2
17.5°	352.9	351.6	350.2	348.6	347.4	347.1	345.4	343.6	342.6	340.8	339.6
20°	344.2	342.3	339.9	338.4	337.4	336.3	334.4	332.4	331.0	329.6	327.9
22.5°	332.1	330.3	327.7	325.3	324.6	322.9	321.3	319.5	317.7	316.0	314.0
25°	317.8	315.9	313.3	310.9	309.7	308.9	305.8	304.0	302.2	300.8	299.4
27.5°	303.2	299.7	297.9	294.4	293.3	293.1	290.1	288.2	286.3	284.4	282.6
30°	285.1	282.5	279.7	277.2	275.7	274.9	272.7	270.2	269.0	267.7	265.9
32.5°	266.4	264.0	260.7	258.3	257.1	255.8	253.9	252.4	250.4	249.0	248.6
35°	246.4	243.8	240.9	239.2	238.9	237.4	235.5	234.2	232.7	230.6	230.1
37.5°	225.1	223.6	221.7	219.1	218.0	218.0	216.1	215.0	213.2	213.1	212.1
40°	204.1	203.5	200.5	199.8	199.5	197.7	197.2	195.5	194.2	194.1	192.5
42.5°	183.4	181.7	181.2	179.9	178.7	178.5	177.4	176.6	176.1	175.4	174.6
45°	162.8	162.3	161.1	160.2	159.8	159.3	159.0	157.4	157.2	156.5	156.1
47.5°	144.9	143.9	142.8	141.7	141.6	140.9	139.9	139.9	138.6	138.4	138.1
50°	127.2	126.5	125.9	124.5	124.7	123.6	123.5	122.4	121.7	121.2	121.8
52.5°	111.7	110.2	109.9	108.8	108.4	108.5	107.1	106.7	106.5	106.0	105.8
55°	97.0	96.1	95.2	94.4	93.8	93.2	92.6	92.6	91.3	91.4	90.7
57.5°	84.0	83.3	82.1	80.9	80.7	79.9	79.2	78.6	78.5	77.6	77.0
60°	72.4	71.3	69.6	69.1	68.3	67.7	67.1	66.3	65.9	65.3	64.1
62.5°	61.6	59.7	59.0	58.1	57.1	56.8	55.7	54.8	54.2	53.3	52.5
65°	51.3	49.9	48.8	47.6	47.5	46.4	45.6	44.7	43.5	42.7	41.1
67.5°	41.9	40.6	39.3	38.2	37.2	37.0	35.6	34.7	33.8	32.4	30.9
70°	33.2	31.9	30.9	29.5	29.1	28.1	27.1	26.2	24.6	23.3	22.1
72.5°	25.3	23.9	22.7	21.8	21.2	20.2	19.2	18.2	16.7	15.2	14.3
75°	18.1	17.0	15.9	14.9	14.4	13.9	12.7	11.5	10.6	9.2	8.2
77.5°	12.2	11.2	10.2	9.3	8.7	8.2	7.5	6.7	5.7	5.0	4.3
80°	7.1	6.5	5.7	5.0	4.9	4.4	3.8	3.3	2.7	2.4	1.9
82.5°	3.4	3.1	2.5	2.1	1.9	1.8	1.5	1.3	1.1	0.8	0.8
85°	1.1	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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°	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5
2.5°	377.5	377.4	377.3	377.2	376.8	376.8	376.5	376.2	376.2	376.0	375.9
5°	374.2	373.8	373.7	373.5	373.1	373.0	372.5	372.4	372.2	371.9	371.9
7.5°	369.5	369.0	368.5	368.3	368.1	367.7	367.4	367.3	366.9	366.7	366.2
10°	363.3	362.9	362.2	362.0	361.7	361.5	360.9	360.4	360.3	360.1	359.8
12.5°	356.0	355.5	354.8	354.3	354.1	353.7	353.0	352.7	352.7	352.2	352.2
15°	348.3	347.4	346.4	345.8	345.7	344.9	344.5	343.9	343.3	343.0	343.0
17.5°	338.3	337.1	336.0	336.0	335.5	334.7	334.0	333.6	333.3	332.7	332.4
20°	326.6	325.8	324.6	324.6	323.4	323.2	322.4	322.3	321.4	321.5	321.1
22.5°	312.5	312.0	311.4	310.8	310.2	309.5	309.0	309.1	308.8	308.7	308.5
25°	298.3	296.9	296.0	295.8	295.6	295.0	294.7	294.6	294.6	294.1	294.3
27.5°	281.9	280.8	279.7	280.2	279.6	279.3	279.0	278.7	278.9	278.8	278.9
30°	265.0	263.8	263.1	263.4	263.2	262.2	262.7	262.6	262.7	262.7	263.0
32.5°	247.4	246.4	246.3	246.4	245.3	245.5	244.9	245.7	245.8	246.5	245.9
35°	229.4	228.9	228.0	227.9	228.0	227.9	227.9	228.3	228.2	229.0	228.8
37.5°	211.0	210.7	209.8	210.0	209.5	210.5	210.7	210.5	211.3	211.1	211.0
40°	192.9	192.5	192.0	193.0	192.4	191.9	192.8	192.0	192.3	193.0	193.0
42.5°	174.6	174.0	174.0	174.0	173.8	173.8	174.2	174.6	174.3	174.4	175.5
45°	156.1	156.0	155.6	155.9	155.7	156.3	156.3	156.6	157.2	157.7	157.4
47.5°	138.3	138.0	138.4	138.1	138.3	137.9	138.1	139.0	139.6	138.7	139.6
50°	121.6	121.1	121.0	121.4	121.2	121.1	121.4	121.4	121.1	121.1	122.1
52.5°	105.8	105.2	104.8	105.4	105.1	105.2	104.7	104.7	104.9	104.7	104.3
55°	90.9	90.4	90.0	90.2	89.6	89.5	88.9	88.9	88.5	88.3	87.6
57.5°	76.6	76.4	75.2	75.1	75.2	74.4	73.4	73.1	72.0	71.7	71.6
60°	64.0	62.6	62.0	61.2	60.7	60.3	59.3	58.7	57.1	56.3	56.2
62.5°	50.9	50.2	49.5	48.3	48.1	46.9	45.8	44.1	43.4	42.2	41.1
65°	40.3	38.7	37.5	36.9	35.9	34.7	33.6	31.8	30.9	29.5	28.3
67.5°	29.5	28.1	26.5	26.1	25.2	23.8	22.6	21.2	20.3	19.0	18.7
70°	20.2	18.9	17.8	17.0	16.4	15.0	13.9	13.3	12.6	12.4	12.4
72.5°	13.0	11.8	10.6	10.2	9.6	8.9	8.1	7.9	8.1	8.0	8.0
75°	7.3	6.7	5.7	5.4	5.4	5.1	5.0	5.0	5.0	5.0	5.0
77.5°	3.7	3.3	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.1
80°	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1
85°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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°	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5
2.5°	375.7	375.5	375.5	375.4	375.4	375.4	375.4	375.5
5°	371.7	371.5	371.5	371.2	371.2	371.2	371.2	371.2
7.5°	366.2	365.9	366.0	365.8	365.8	365.9	365.8	365.6
10°	359.5	359.3	359.5	359.5	359.2	359.1	359.2	359.3
12.5°	351.8	351.7	351.5	351.6	351.6	351.5	351.3	351.0
15°	342.9	342.8	342.7	342.6	342.4	342.6	342.4	342.1
17.5°	332.4	332.4	332.3	332.2	332.1	331.8	332.0	332.3
20°	321.3	321.1	320.9	321.0	320.5	320.3	320.4	320.8
22.5°	308.4	308.0	308.3	307.9	307.9	308.0	307.9	307.7
25°	294.4	293.9	294.1	294.3	294.3	294.1	294.0	294.1
27.5°	278.9	279.3	279.3	279.0	279.4	278.9	279.1	279.3
30°	263.0	262.6	262.5	263.0	263.8	263.1	263.1	263.2
32.5°	246.5	246.1	246.1	246.3	246.2	246.2	246.7	246.1
35°	229.0	229.3	228.2	228.9	229.2	228.9	229.0	229.0
37.5°	211.3	211.1	211.1	211.1	211.4	211.4	211.7	211.6
40°	193.9	193.4	193.2	193.5	193.0	193.4	193.4	193.0
42.5°	175.0	175.2	175.9	175.2	175.4	175.2	174.9	174.8
45°	157.7	158.0	157.8	157.7	157.8	157.3	157.4	157.8
47.5°	139.2	139.9	139.2	139.7	139.6	139.3	139.1	138.6
50°	121.8	122.2	122.1	121.8	121.7	121.6	121.0	120.6
52.5°	104.2	104.2	104.2	104.2	102.9	103.5	103.3	102.6
55°	86.9	87.3	86.7	86.7	85.9	85.9	85.7	85.8
57.5°	70.2	69.8	69.5	69.5	68.5	68.2	67.8	67.3
60°	54.7	54.4	53.8	53.2	52.2	52.2	52.0	51.0
62.5°	40.1	39.4	39.0	38.6	37.8	37.2	36.9	37.1
65°	27.5	26.9	26.3	26.3	26.3	26.1	25.9	25.9
67.5°	18.1	18.4	18.2	18.4	18.4	18.2	18.1	18.3
70°	12.5	12.5	12.4	12.4	12.4	12.4	12.2	12.4
72.5°	8.0	8.0	8.0	8.1	8.0	8.0	8.1	8.1
75°	5.1	5.1	5.1	5.2	5.1	5.1	5.2	5.1
77.5°	3.1	3.2	3.2	3.2	3.2	3.1	3.2	3.2
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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)