

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: P843914

Luminaire Tested: **LD6C08DE010B50 EU6C08B50 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843914
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: LD6C08DE010B50 EU6C08B50 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

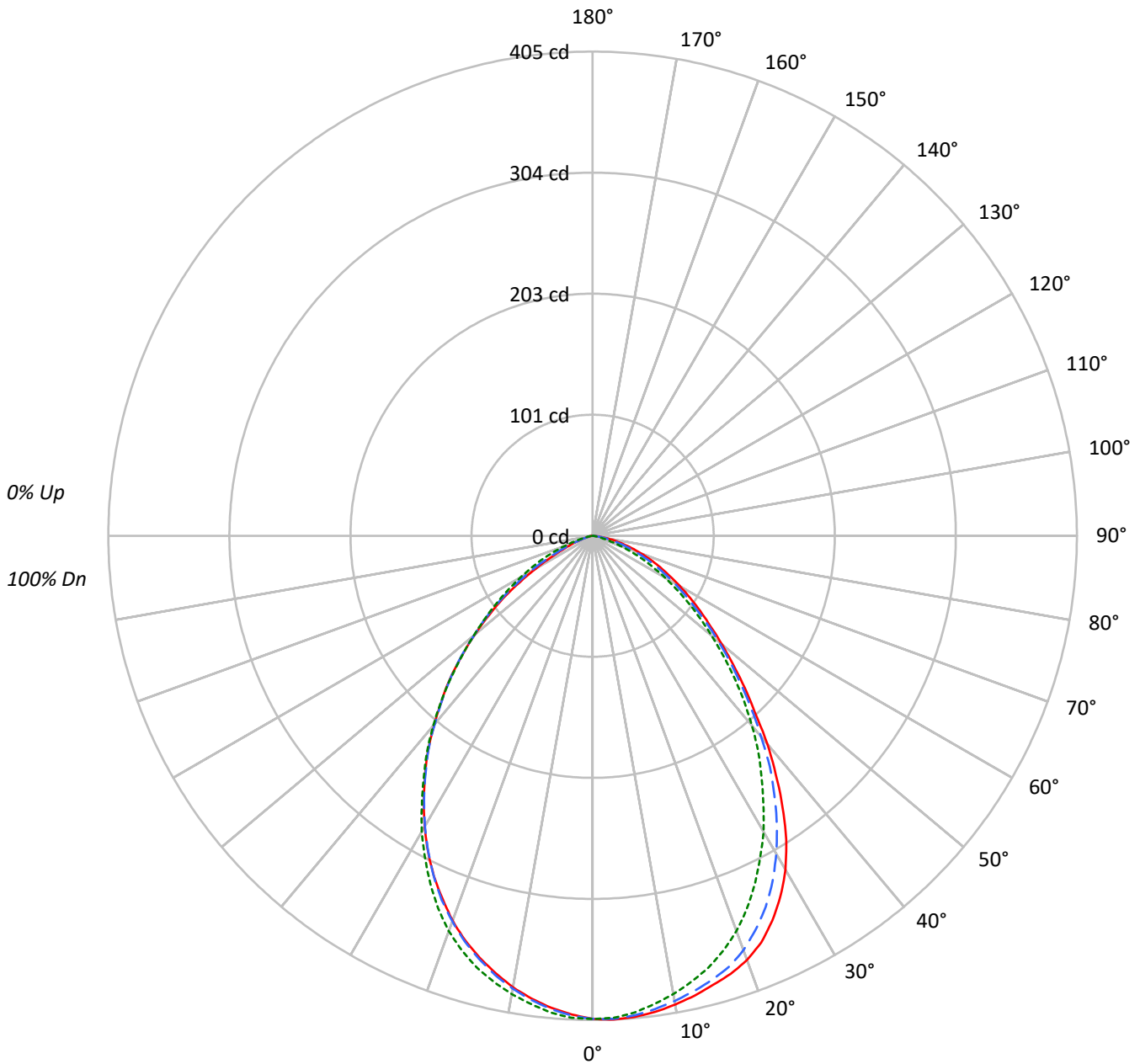
Lumens per Lamp: N/A
Luminaire Lumens: 735.1 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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				100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89				89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78				78
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68				68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60				60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54				54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48				48
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43				43
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39				39
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36				36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33				33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	22153	22153	22153
5°	22232	22028	21814
10°	22161	21671	21353
15°	22077	21226	20732
20°	22029	20523	19981
25°	21497	19422	18993
30°	20421	18091	17788
35°	18538	16470	16363
40°	16266	14828	14742
45°	13939	12955	13063
50°	12008	11044	10985
55°	10494	9319	8755
60°	9221	7642	5975
65°	8068	5928	3593
70°	6876	3991	2116
75°	5549	2055	1144
80°	3883	789	631
85°	1510	252	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	5.2
10°-20°	105.7	14.4
20°-30°	150.5	20.5
30°-40°	158.4	21.5
40°-50°	132.0	18.0
50°-60°	89.2	12.1
60°-70°	45.2	6.2
70°-80°	14.6	2.0
80°-90°	1.7	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°	294.1	40.0
0°-40°	452.4	61.6
0°-60°	673.6	91.6
0°-90°	735.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	735.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	404	404	404	404	404	
5°	404	403	400	397	396	38
15°	389	385	374	366	365	110
25°	355	342	321	314	314	163
35°	277	265	246	244	244	172
45°	180	175	167	168	168	139
55°	110	104	98	95	92	99
65°	62	56	46	33	28	62
75°	26	20	10	5	5	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°	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1
2.5°	405.1	405.1	405.1	405.1	405.1	405.1	405.0	405.0	404.7	404.7	404.5
5°	404.0	404.1	404.1	404.0	404.0	403.7	403.7	403.6	403.2	402.9	402.7
7.5°	401.7	401.7	401.5	401.4	401.3	400.8	400.7	400.3	400.0	399.8	399.3
10°	398.1	398.1	398.0	397.7	397.6	397.4	397.4	396.7	396.2	395.6	395.1
12.5°	394.0	394.1	393.8	393.7	393.2	393.1	392.8	392.2	391.7	390.9	390.3
15°	389.0	389.3	389.3	388.8	388.4	388.3	387.8	387.4	386.5	385.6	384.8
17.5°	384.2	384.6	384.2	383.8	383.5	382.9	382.7	381.8	380.6	379.5	378.3
20°	377.6	378.0	377.5	376.8	376.0	375.9	375.5	374.1	372.3	370.7	368.9
22.5°	368.3	368.0	367.5	367.3	365.9	365.1	364.6	362.8	360.9	358.7	356.5
25°	355.4	355.9	355.0	353.9	353.1	352.4	351.0	349.1	347.3	345.0	342.5
27.5°	340.1	340.1	339.1	338.7	337.2	336.0	335.4	333.5	331.1	328.8	326.0
30°	322.6	321.8	321.8	319.9	318.7	318.2	317.6	314.4	312.4	310.0	307.1
32.5°	301.4	301.3	300.7	299.5	297.9	296.6	296.6	294.3	291.6	288.6	286.8
35°	277.0	277.1	276.8	275.5	275.5	273.8	273.6	271.7	269.5	267.2	265.0
37.5°	251.7	252.2	251.7	251.0	250.7	250.4	249.3	247.9	246.2	244.9	243.3
40°	227.3	226.4	226.8	225.4	225.5	225.2	224.6	222.9	222.0	220.6	218.8
42.5°	201.0	201.7	202.0	201.2	201.0	200.3	201.0	200.2	199.2	198.4	196.8
45°	179.8	179.1	179.5	179.2	179.3	178.2	177.8	177.6	177.2	175.9	175.2
47.5°	159.0	159.1	159.0	158.4	158.1	158.1	157.6	156.7	156.7	155.9	155.4
50°	140.8	140.8	141.0	140.3	140.0	139.5	139.6	138.9	138.2	137.6	137.2
52.5°	124.1	124.2	123.6	123.7	123.4	123.4	122.9	122.4	121.8	120.6	120.4
55°	109.8	109.9	109.3	109.5	108.6	108.3	108.0	107.1	107.1	106.0	104.5
57.5°	96.5	96.4	96.1	95.7	95.2	94.8	94.4	93.5	93.1	92.2	91.0
60°	84.1	84.0	83.7	83.6	83.1	82.2	82.2	81.5	80.2	79.3	78.1
62.5°	72.4	72.4	72.2	71.8	71.5	71.1	70.8	70.2	68.9	67.9	66.8
65°	62.2	62.1	61.7	61.0	60.7	60.7	59.8	59.3	58.3	57.3	56.1
67.5°	52.5	51.9	51.6	51.7	51.0	51.0	50.1	49.4	48.5	46.9	45.9
70°	42.9	42.6	42.4	42.1	42.0	41.5	41.0	40.2	39.2	38.1	36.5
72.5°	34.4	34.4	34.0	33.7	33.3	32.8	32.5	31.8	30.7	29.3	28.2
75°	26.2	26.2	26.2	25.7	25.4	25.2	24.3	23.9	22.6	21.9	20.5
77.5°	19.2	19.0	18.6	18.5	18.2	18.0	17.6	16.8	15.8	14.8	14.0
80°	12.3	12.6	12.3	12.3	11.5	11.3	11.1	10.4	9.9	9.1	8.5
82.5°	6.8	7.0	6.7	6.6	6.1	6.0	6.0	5.4	5.2	4.7	4.2
85°	2.4	2.5	2.4	2.4	2.2	2.3	2.2	2.0	1.8	1.5	1.4
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1
2.5°	404.5	404.2	404.2	404.1	404.0	404.0	404.0	403.8	403.6	403.6	403.4
5°	402.4	402.2	401.8	401.5	401.4	401.3	401.2	400.9	400.4	400.3	399.9
7.5°	398.8	398.5	397.9	397.6	397.1	397.0	396.5	396.2	395.7	395.1	394.9
10°	394.5	393.8	393.2	392.6	392.3	391.9	391.2	390.4	389.9	389.3	388.8
12.5°	389.5	388.8	387.6	386.9	386.6	385.9	384.8	384.1	383.2	382.1	381.2
15°	383.5	382.5	381.6	380.1	379.7	378.8	377.8	376.4	375.0	374.0	372.8
17.5°	376.8	375.4	373.8	372.2	370.9	370.6	368.8	366.9	365.6	363.7	362.6
20°	367.4	365.4	363.0	361.3	360.2	359.0	357.0	354.9	353.5	351.8	350.1
22.5°	354.5	352.6	349.8	347.3	346.5	344.8	343.0	341.1	339.2	337.4	335.3
25°	339.3	337.3	334.4	332.0	330.6	329.8	326.4	324.5	322.6	321.1	319.6
27.5°	323.7	320.0	318.1	314.3	313.1	312.8	309.7	307.7	305.7	303.5	301.6
30°	304.4	301.5	298.7	296.0	294.3	293.4	291.1	288.5	287.1	285.8	283.9
32.5°	284.4	281.9	278.4	275.7	274.6	273.2	271.2	269.4	267.4	265.8	265.5
35°	263.1	260.3	257.2	255.4	255.1	253.5	251.4	249.9	248.4	246.1	245.7
37.5°	240.3	238.7	236.6	233.9	232.7	232.7	230.7	229.5	227.7	227.5	226.4
40°	217.9	217.2	214.1	213.2	213.0	211.1	210.6	208.7	207.3	207.2	205.5
42.5°	195.8	194.0	193.4	192.1	190.8	190.6	189.3	188.6	187.9	187.2	186.4
45°	173.8	173.3	172.0	171.0	170.6	170.1	169.6	168.1	167.7	167.1	166.7
47.5°	154.7	153.7	152.4	151.3	151.1	150.4	149.4	149.4	148.0	147.8	147.5
50°	135.8	135.1	134.3	132.8	133.2	132.0	131.9	130.7	130.0	129.5	130.1
52.5°	119.3	117.6	117.4	116.1	115.7	115.9	114.3	114.0	113.7	113.2	112.8
55°	103.5	102.7	101.6	100.8	100.2	99.4	98.9	98.9	97.4	97.5	96.9
57.5°	89.7	88.9	87.6	86.4	86.1	85.4	84.6	84.0	83.8	82.8	82.2
60°	77.3	76.0	74.4	73.7	73.0	72.2	71.6	70.8	70.3	69.7	68.4
62.5°	65.8	63.7	63.0	62.0	61.0	60.6	59.5	58.6	57.9	56.9	55.9
65°	54.8	53.2	52.0	50.8	50.7	49.6	48.7	47.8	46.4	45.7	43.9
67.5°	44.7	43.4	42.0	40.7	39.8	39.6	38.1	37.1	36.2	34.5	33.0
70°	35.4	34.1	33.0	31.5	31.1	30.0	29.0	28.0	26.3	24.9	23.6
72.5°	27.1	25.5	24.3	23.3	22.5	21.6	20.5	19.5	17.8	16.3	15.2
75°	19.2	18.2	17.0	15.9	15.3	14.8	13.5	12.4	11.3	9.7	8.8
77.5°	13.0	12.0	10.9	9.9	9.2	8.8	8.0	7.1	6.1	5.3	4.7
80°	7.6	7.0	6.1	5.3	5.2	4.8	4.1	3.5	3.0	2.5	2.0
82.5°	3.7	3.3	2.7	2.3	2.0	1.9	1.6	1.4	1.1	1.0	1.0
85°	1.1	1.0	0.8	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°	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1
2.5°	403.1	402.9	402.7	402.6	402.3	402.3	401.9	401.7	401.7	401.4	401.3
5°	399.5	399.0	398.9	398.6	398.4	398.3	397.7	397.6	397.4	397.0	397.0
7.5°	394.5	394.0	393.3	393.1	393.0	392.6	392.3	392.2	391.7	391.4	390.9
10°	387.8	387.4	386.7	386.5	386.1	385.9	385.2	384.8	384.7	384.4	384.1
12.5°	380.1	379.5	378.8	378.3	378.0	377.6	376.9	376.5	376.5	376.0	376.0
15°	371.8	370.9	369.7	369.2	369.0	368.3	367.7	367.2	366.5	366.3	366.3
17.5°	361.2	359.8	358.7	358.7	358.2	357.4	356.5	356.1	355.8	355.2	354.9
20°	348.7	347.7	346.5	346.5	345.3	345.0	344.2	344.0	343.1	343.2	342.9
22.5°	333.6	333.0	332.4	331.9	331.1	330.3	330.0	330.1	329.7	329.6	329.3
25°	318.3	316.9	316.1	315.8	315.5	314.9	314.5	314.4	314.4	314.0	314.2
27.5°	300.9	299.7	298.7	299.1	298.6	298.1	297.9	297.5	297.7	297.6	297.7
30°	282.9	281.5	280.9	281.2	281.0	280.0	280.5	280.4	280.5	280.5	280.8
32.5°	264.1	263.1	262.9	263.1	261.9	262.0	261.4	262.3	262.4	263.2	262.6
35°	244.9	244.3	243.4	243.3	243.4	243.3	243.3	243.8	243.7	244.5	244.2
37.5°	225.2	225.0	224.0	224.2	223.7	224.6	225.0	224.6	225.6	225.4	225.2
40°	205.9	205.5	205.0	206.0	205.4	204.9	205.8	205.0	205.3	206.0	206.0
42.5°	186.4	185.7	185.7	185.7	185.5	185.5	185.9	186.4	186.1	186.2	187.3
45°	166.7	166.6	166.2	166.4	166.3	166.9	166.9	167.2	167.7	168.3	168.1
47.5°	147.6	147.3	147.8	147.5	147.6	147.2	147.5	148.3	149.0	148.1	149.0
50°	129.9	129.3	129.1	129.6	129.5	129.3	129.6	129.6	129.3	129.3	130.3
52.5°	112.8	112.3	111.9	112.6	112.2	112.3	111.8	111.8	112.1	111.8	111.4
55°	97.0	96.6	96.0	96.4	95.6	95.5	95.0	95.0	94.6	94.2	93.5
57.5°	81.8	81.5	80.3	80.2	80.3	79.3	78.4	77.9	76.9	76.6	76.5
60°	68.3	66.8	66.1	65.4	64.8	64.4	63.2	62.6	61.0	60.1	59.9
62.5°	54.4	53.6	52.9	51.6	51.3	50.0	48.9	47.2	46.3	45.1	43.9
65°	43.0	41.2	40.1	39.3	38.3	37.1	35.9	34.0	33.0	31.5	30.2
67.5°	31.5	30.0	28.3	27.8	26.9	25.4	24.2	22.5	21.7	20.4	20.0
70°	21.6	20.2	19.0	18.2	17.6	16.1	14.8	14.3	13.4	13.2	13.2
72.5°	13.9	12.6	11.3	10.9	10.4	9.5	8.7	8.5	8.7	8.6	8.6
75°	7.7	7.1	6.1	5.7	5.7	5.4	5.3	5.3	5.3	5.3	5.3
77.5°	3.9	3.5	3.3	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.3
80°	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	2.0	1.9
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	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°	404.1	404.1	404.1	404.1	404.1	404.1	404.1	404.1
2.5°	401.2	400.8	400.8	400.7	400.7	400.7	400.7	400.8
5°	396.7	396.6	396.6	396.4	396.4	396.4	396.4	396.4
7.5°	390.9	390.7	390.8	390.5	390.5	390.7	390.5	390.4
10°	383.7	383.6	383.7	383.7	383.5	383.3	383.5	383.6
12.5°	375.6	375.5	375.1	375.4	375.4	375.1	375.0	374.7
15°	366.0	365.9	365.8	365.6	365.5	365.6	365.5	365.3
17.5°	354.9	354.9	354.8	354.6	354.5	354.3	354.4	354.8
20°	343.0	342.9	342.6	342.7	342.1	341.9	342.0	342.5
22.5°	329.2	328.8	329.1	328.7	328.7	328.8	328.7	328.4
25°	314.3	313.8	314.0	314.2	314.2	314.0	313.9	314.0
27.5°	297.7	298.1	298.1	297.9	298.3	297.7	298.0	298.1
30°	280.8	280.4	280.3	280.8	281.5	280.9	280.9	281.0
32.5°	263.2	262.7	262.7	262.9	262.8	262.8	263.4	262.7
35°	244.5	244.7	243.7	244.3	244.6	244.3	244.5	244.5
37.5°	225.6	225.4	225.4	225.4	225.8	225.8	226.0	225.9
40°	207.0	206.5	206.3	206.6	206.0	206.5	206.5	206.0
42.5°	186.9	187.1	187.7	187.1	187.2	187.1	186.8	186.7
45°	168.3	168.7	168.5	168.3	168.5	167.8	168.1	168.5
47.5°	148.6	149.4	148.6	149.1	149.0	148.7	148.5	148.0
50°	130.1	130.4	130.3	130.1	130.0	129.9	129.1	128.8
52.5°	111.3	111.3	111.3	111.3	109.9	110.5	110.3	109.5
55°	92.8	93.2	92.6	92.6	91.7	91.7	91.4	91.6
57.5°	75.0	74.6	74.1	74.1	73.2	72.8	72.4	71.8
60°	58.4	58.0	57.4	56.8	55.8	55.8	55.5	54.5
62.5°	42.8	42.1	41.7	41.1	40.3	39.8	39.3	39.7
65°	29.3	28.7	28.1	28.1	28.1	27.8	27.7	27.7
67.5°	19.2	19.7	19.5	19.7	19.7	19.5	19.2	19.6
70°	13.3	13.3	13.2	13.2	13.2	13.2	13.0	13.2
72.5°	8.6	8.6	8.6	8.7	8.6	8.6	8.7	8.7
75°	5.4	5.4	5.4	5.6	5.4	5.4	5.6	5.4
77.5°	3.3	3.4	3.4	3.4	3.4	3.3	3.4	3.4
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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)