

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: P843881

Luminaire Tested: **LD6C08DE010B2750 EU6C08B35 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843881
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: LD6C08DE010B2750 EU6C08B35 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

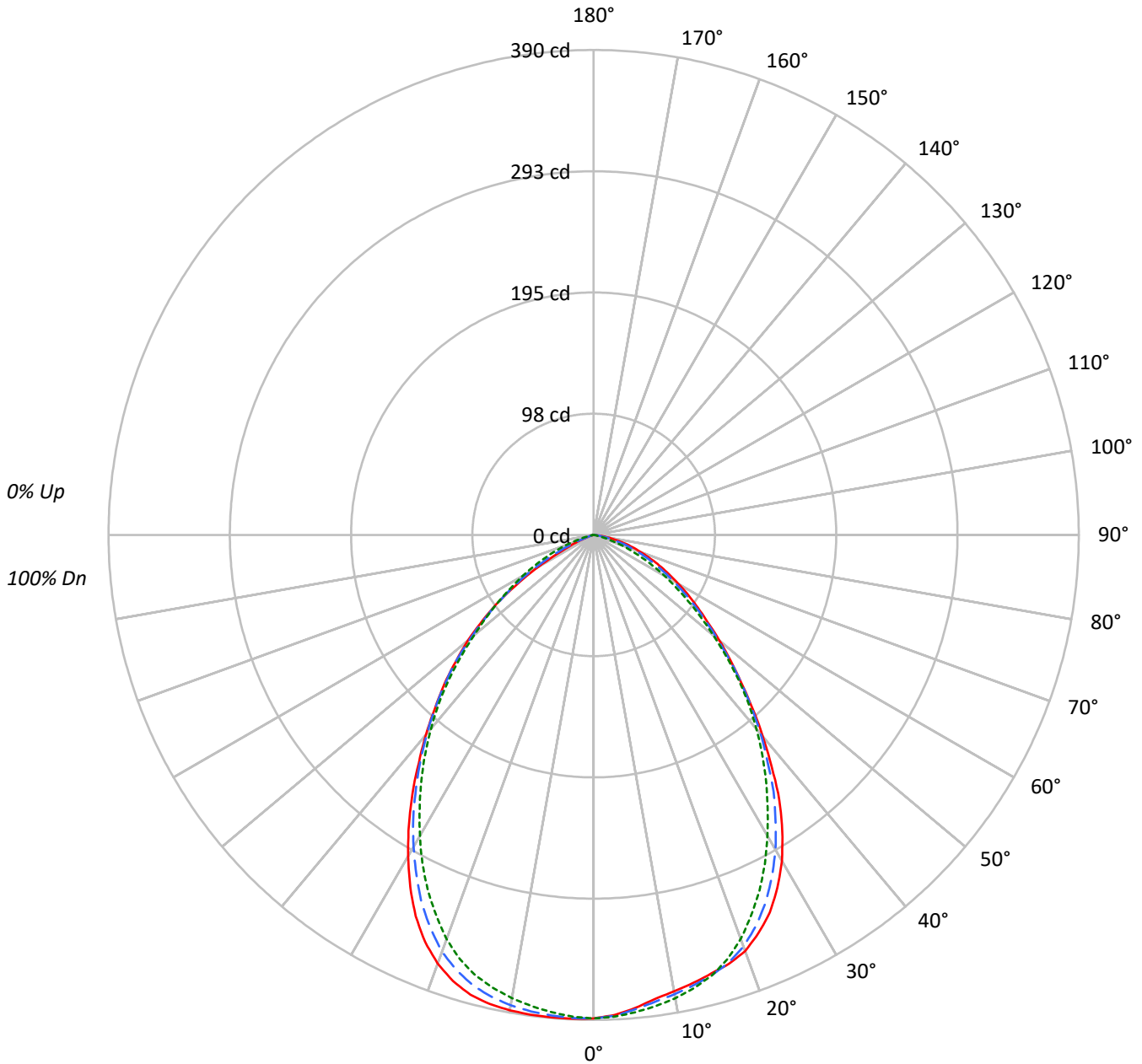
Lumens per Lamp: N/A
Luminaire Lumens: 715.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	21314	21314	21314
5°	21016	21203	21434
10°	20741	21058	21609
15°	20727	20817	21725
20°	20774	20173	21393
25°	20269	19078	20469
30°	19161	17686	18883
35°	17420	16162	16998
40°	15143	14549	15007
45°	12978	12761	13164
50°	11258	10686	11232
55°	9777	8889	8831
60°	8607	7203	5592
65°	7549	5461	2685
70°	6491	3622	978
75°	5295	1525	275
80°	3567	379	126
85°	1447	63	63



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	5.1
10°-20°	104.3	14.6
20°-30°	149.5	20.9
30°-40°	155.8	21.8
40°-50°	129.0	18.0
50°-60°	85.5	12.0
60°-70°	41.4	5.8
70°-80°	11.7	1.6
80°-90°	1.1	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°	290.4	40.6
0°-40°	446.1	62.4
0°-60°	660.7	92.4
0°-90°	715.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	715.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	389	389	389	389	389	
5°	382	383	385	388	390	36
15°	365	367	367	375	383	103
25°	335	327	315	327	338	153
35°	260	252	242	249	254	161
45°	167	167	165	169	170	130
55°	102	99	93	91	92	92
65°	58	53	42	29	21	58
75°	25	19	7	1	1	27
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°	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8
2.5°	386.4	386.5	386.7	386.5	386.6	386.7	386.7	386.8	386.8	387.0	387.1
5°	381.9	382.3	382.3	382.3	382.3	382.4	382.5	382.5	382.4	382.4	383.0
7.5°	376.4	376.8	376.7	376.8	376.9	377.4	377.2	377.5	377.7	378.1	378.6
10°	372.6	372.7	372.6	372.9	373.2	373.5	373.5	373.8	374.0	374.4	375.0
12.5°	369.1	369.2	369.3	369.6	369.9	369.7	370.0	370.3	370.4	370.6	371.0
15°	365.2	365.9	365.7	365.9	366.0	366.2	366.3	366.4	366.3	366.3	366.6
17.5°	361.6	361.8	361.9	361.9	361.9	361.9	361.6	361.6	361.3	360.9	360.7
20°	356.1	356.0	355.8	355.8	355.3	355.4	354.8	354.6	354.0	353.0	352.2
22.5°	346.5	347.1	346.9	346.0	345.4	345.4	345.0	343.8	342.8	341.7	340.6
25°	335.1	334.8	334.4	333.9	333.2	332.6	331.9	331.0	329.5	327.7	326.6
27.5°	319.8	320.1	319.3	318.5	318.1	317.4	316.5	315.6	313.5	312.0	310.2
30°	302.7	302.5	302.3	301.3	300.3	300.5	299.0	297.8	296.2	293.7	292.3
32.5°	282.2	282.5	281.8	281.6	279.7	279.4	279.4	277.6	276.4	273.9	272.0
35°	260.3	260.1	259.9	258.9	258.8	258.1	257.3	256.1	254.5	253.6	252.1
37.5°	235.1	235.3	235.4	235.4	234.9	234.4	233.8	233.8	231.5	231.2	229.4
40°	211.6	212.1	211.9	211.0	211.1	211.3	211.1	211.0	209.6	209.1	208.8
42.5°	188.8	189.4	188.8	188.7	188.8	188.8	188.6	188.9	188.3	188.8	187.6
45°	167.4	168.0	167.6	167.4	167.2	167.8	167.1	167.7	167.3	166.7	167.0
47.5°	149.1	148.6	149.1	148.8	148.5	148.0	148.7	148.4	147.4	147.3	147.5
50°	132.0	131.8	132.0	131.9	131.3	131.3	131.1	130.8	130.6	129.9	129.3
52.5°	115.7	116.7	116.0	116.7	115.7	115.3	115.5	115.1	114.5	114.3	113.3
55°	102.3	102.4	102.4	102.4	101.9	101.6	101.3	101.1	101.1	99.9	98.9
57.5°	90.5	90.3	90.1	89.8	89.5	89.3	89.1	88.2	87.5	86.4	85.7
60°	78.5	78.7	78.7	78.3	77.8	77.4	77.3	76.8	75.9	74.9	73.7
62.5°	68.1	68.3	67.7	67.7	66.9	66.7	66.7	66.0	64.9	63.9	62.5
65°	58.2	58.1	58.3	57.4	57.5	56.8	56.5	56.2	55.1	53.7	52.6
67.5°	48.8	49.1	48.7	48.4	47.9	47.7	47.4	46.2	45.7	44.4	43.2
70°	40.5	40.2	40.0	40.0	39.4	39.0	38.9	37.7	37.0	36.0	34.6
72.5°	32.6	32.4	32.2	31.7	31.3	31.2	30.5	29.7	28.9	27.6	26.5
75°	25.0	24.7	24.5	24.3	23.6	23.4	23.3	22.3	20.9	19.9	19.0
77.5°	18.0	18.1	17.6	17.1	16.7	16.3	16.1	15.3	14.4	13.2	12.4
80°	11.3	11.4	11.3	10.9	10.4	10.3	9.9	9.4	8.6	7.8	7.2
82.5°	6.0	6.0	5.9	5.8	5.4	5.4	5.2	4.8	4.3	4.0	3.5
85°	2.3	2.3	2.2	2.0	1.9	1.9	1.8	1.7	1.4	1.3	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°	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8
2.5°	387.1	387.2	387.3	387.5	387.5	387.5	387.6	387.7	387.7	387.8	387.9
5°	383.2	383.4	383.7	383.9	384.1	384.0	384.3	384.8	385.0	385.3	385.7
7.5°	378.8	379.3	379.8	380.1	380.3	380.4	380.7	381.3	381.7	382.2	382.5
10°	375.2	375.7	376.2	376.7	376.7	376.9	377.2	377.6	378.0	378.3	378.8
12.5°	371.3	371.8	372.0	372.2	372.2	372.3	372.6	372.7	373.1	373.2	374.0
15°	366.6	366.6	366.6	366.6	366.6	366.4	366.2	366.4	366.4	366.8	367.2
17.5°	360.0	360.0	359.2	358.9	359.0	358.3	358.2	357.7	357.7	357.7	358.0
20°	351.3	350.2	349.3	348.2	347.6	347.4	347.1	346.0	345.8	345.8	345.8
22.5°	339.2	337.9	336.6	335.7	334.3	333.8	333.3	332.5	331.6	331.0	332.2
25°	324.3	322.8	321.2	319.4	319.0	318.3	317.1	316.3	315.9	315.4	315.7
27.5°	308.5	306.3	304.6	302.8	302.2	301.4	300.3	299.1	297.8	298.0	298.0
30°	290.4	287.8	286.0	283.9	283.7	282.9	281.9	280.5	279.4	279.4	280.1
32.5°	270.8	269.0	267.3	264.8	264.4	263.9	263.1	261.9	261.1	260.3	260.8
35°	250.9	248.0	246.9	245.3	245.5	244.0	242.8	242.1	242.2	241.5	241.9
37.5°	229.4	227.7	226.0	225.4	224.7	224.0	223.5	222.9	222.7	222.7	222.4
40°	207.7	206.8	206.0	205.7	204.5	204.9	204.8	204.3	203.6	203.3	204.1
42.5°	187.2	186.4	185.9	185.3	185.2	184.8	184.8	184.5	184.3	184.5	184.3
45°	166.2	166.0	165.2	165.2	165.6	165.3	164.3	164.9	164.9	164.6	165.3
47.5°	146.8	146.9	146.4	145.4	145.4	144.8	143.9	144.6	145.0	144.4	144.8
50°	129.2	128.4	127.4	126.6	127.0	126.8	126.1	125.6	125.2	125.3	125.9
52.5°	112.5	112.1	110.9	110.1	109.8	109.9	109.1	108.4	108.5	108.4	108.1
55°	97.5	97.5	95.9	95.5	94.6	94.6	93.5	93.4	93.0	93.0	92.3
57.5°	84.5	83.3	82.5	81.5	81.1	80.7	80.3	79.3	79.0	78.3	78.1
60°	72.6	71.2	70.5	69.5	68.7	68.2	67.6	66.7	66.3	65.7	64.8
62.5°	61.9	60.4	59.1	58.1	57.4	57.3	56.3	55.3	54.4	53.5	52.2
65°	51.3	50.3	49.0	47.5	47.3	46.6	45.6	44.5	43.3	42.1	41.4
67.5°	41.9	40.7	39.4	38.7	37.8	37.2	36.1	34.6	33.1	31.9	30.6
70°	33.5	31.8	30.7	29.4	29.2	28.0	27.0	25.4	24.1	22.6	20.5
72.5°	25.2	23.5	22.6	21.4	20.5	19.9	18.5	17.1	15.0	13.9	12.1
75°	17.8	16.3	15.0	13.7	13.2	12.4	11.2	9.6	8.4	7.2	5.9
77.5°	11.0	10.2	9.0	7.9	7.4	7.0	6.0	4.9	4.0	3.1	2.3
80°	6.3	5.5	4.8	4.0	3.7	3.5	2.7	2.0	1.7	1.2	0.7
82.5°	3.0	2.4	2.0	1.7	1.6	1.3	1.0	0.6	0.4	0.2	0.1
85°	1.0	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°	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8
2.5°	387.9	388.2	388.3	388.3	388.3	388.4	388.4	388.6	388.8	388.9	388.9
5°	385.9	386.4	386.6	386.7	386.8	387.2	387.3	387.7	387.9	388.3	388.5
7.5°	383.1	383.5	384.0	384.2	384.6	385.0	385.4	386.0	386.5	387.0	387.5
10°	379.5	380.0	380.7	381.1	381.3	381.9	382.8	383.5	384.1	384.9	385.5
12.5°	374.2	375.0	375.9	376.2	376.5	377.5	378.3	379.5	380.4	381.4	382.4
15°	367.7	368.7	369.3	369.6	370.2	371.4	372.3	373.6	375.0	376.5	377.7
17.5°	358.5	359.1	360.2	360.8	361.4	362.7	364.1	365.6	366.9	368.6	370.4
20°	346.6	347.4	348.8	349.3	350.1	351.2	353.4	354.6	356.6	358.7	360.0
22.5°	331.8	333.2	334.5	335.2	335.7	337.2	338.5	340.8	342.4	345.2	346.9
25°	316.3	316.7	317.8	319.0	319.3	321.1	322.8	325.3	327.0	328.8	331.0
27.5°	298.6	299.1	300.9	301.2	301.3	303.2	305.1	307.2	308.6	310.6	311.8
30°	280.1	281.0	281.8	282.3	283.2	284.1	285.9	288.4	289.5	291.3	292.9
32.5°	261.2	261.2	263.0	263.1	263.7	265.7	266.7	268.3	270.1	271.5	271.4
35°	242.5	242.9	243.7	244.5	244.9	246.2	246.5	247.7	248.9	249.9	251.2
37.5°	223.1	223.1	224.5	225.2	225.5	226.1	226.8	227.9	228.6	229.0	229.7
40°	204.5	205.1	205.4	205.6	205.6	206.6	207.0	207.9	208.4	209.3	208.8
42.5°	185.8	185.6	185.7	186.4	186.5	187.0	187.4	187.9	188.4	188.2	189.0
45°	165.9	166.0	166.4	166.4	166.7	167.3	168.0	168.3	168.6	169.2	169.4
47.5°	145.1	145.7	145.4	146.4	146.7	146.8	148.4	148.5	149.8	150.0	150.0
50°	125.8	125.8	126.5	126.9	127.1	127.6	128.1	128.6	128.9	129.9	130.1
52.5°	108.3	108.5	108.5	108.1	108.5	108.5	109.8	109.9	109.8	110.1	110.4
55°	92.6	92.8	91.9	92.4	92.3	91.9	92.2	91.5	91.3	91.7	91.5
57.5°	77.5	77.1	76.9	76.3	76.3	75.6	75.0	75.0	74.5	73.6	73.5
60°	64.1	63.4	62.8	62.4	61.3	60.7	59.9	59.1	58.1	56.9	56.3
62.5°	51.4	50.4	49.5	49.0	48.1	46.6	45.5	44.3	42.6	41.6	40.6
65°	40.1	38.7	37.0	36.2	35.4	34.1	32.5	30.6	28.9	27.5	25.7
67.5°	29.0	27.5	25.8	24.6	23.9	22.2	20.4	18.7	16.8	15.3	14.4
70°	19.0	17.1	15.5	14.6	13.9	12.2	10.6	9.1	8.2	7.8	7.7
72.5°	10.8	8.9	7.7	6.8	6.1	5.0	4.1	3.6	3.4	3.2	3.0
75°	4.7	3.5	2.7	2.2	1.9	1.6	1.4	1.4	1.4	1.3	1.3
77.5°	1.7	1.2	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	0.2	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°	388.8	388.8	388.8	388.8	388.8	388.8	388.8	388.8
2.5°	389.0	389.3	389.3	389.4	389.5	389.5	389.5	389.5
5°	388.8	389.0	389.1	389.3	389.4	389.5	389.5	389.5
7.5°	387.7	388.3	388.4	388.6	388.9	389.0	389.0	389.1
10°	386.1	386.7	387.1	387.3	387.6	387.8	388.2	388.2
12.5°	383.4	384.1	384.7	384.9	385.5	385.8	386.0	386.4
15°	378.7	379.8	380.4	381.0	381.4	382.2	382.3	382.8
17.5°	371.8	373.2	373.5	374.2	374.9	376.2	376.0	376.2
20°	361.8	363.3	363.8	364.6	365.6	366.6	367.3	366.7
22.5°	348.4	350.2	351.0	351.8	352.4	353.1	354.2	354.3
25°	332.6	334.2	334.8	335.4	336.6	337.3	338.2	338.4
27.5°	314.5	315.4	316.3	316.5	318.0	318.3	319.3	319.3
30°	294.0	295.0	296.0	296.5	296.8	297.2	297.8	298.3
32.5°	272.9	273.9	274.4	275.0	275.1	275.7	275.5	276.5
35°	251.8	252.1	252.5	252.4	253.3	253.1	254.1	254.0
37.5°	230.7	230.4	231.1	231.7	231.4	231.2	231.5	230.9
40°	209.5	209.6	209.7	210.4	209.7	210.2	209.8	209.7
42.5°	189.7	189.7	188.9	189.7	189.2	188.9	189.4	188.7
45°	169.6	169.5	169.6	169.8	169.8	169.8	169.2	169.8
47.5°	150.6	150.8	150.3	151.1	150.9	150.4	150.4	150.0
50°	130.5	131.3	132.2	131.4	132.0	131.7	131.3	131.7
52.5°	111.4	111.9	111.3	111.4	112.7	112.7	112.0	111.9
55°	91.0	91.0	91.2	91.3	91.5	93.1	92.2	92.4
57.5°	72.7	72.7	72.3	73.1	72.6	71.9	72.6	70.9
60°	55.2	55.1	54.7	54.2	52.9	52.6	51.1	51.0
62.5°	39.3	37.9	37.3	36.4	34.9	34.6	33.1	33.0
65°	24.4	22.7	22.2	21.7	21.0	20.9	20.4	20.7
67.5°	13.9	13.6	13.5	13.1	12.8	12.6	12.6	12.5
70°	7.3	6.8	6.7	6.6	6.6	6.0	5.9	6.1
72.5°	2.9	2.5	2.5	2.5	2.4	2.4	2.4	2.4
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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)