

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: P843864

Luminaire Tested: **LD6C08DE010B2750 EU6C08B30 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843864
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 EU6C08B30 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

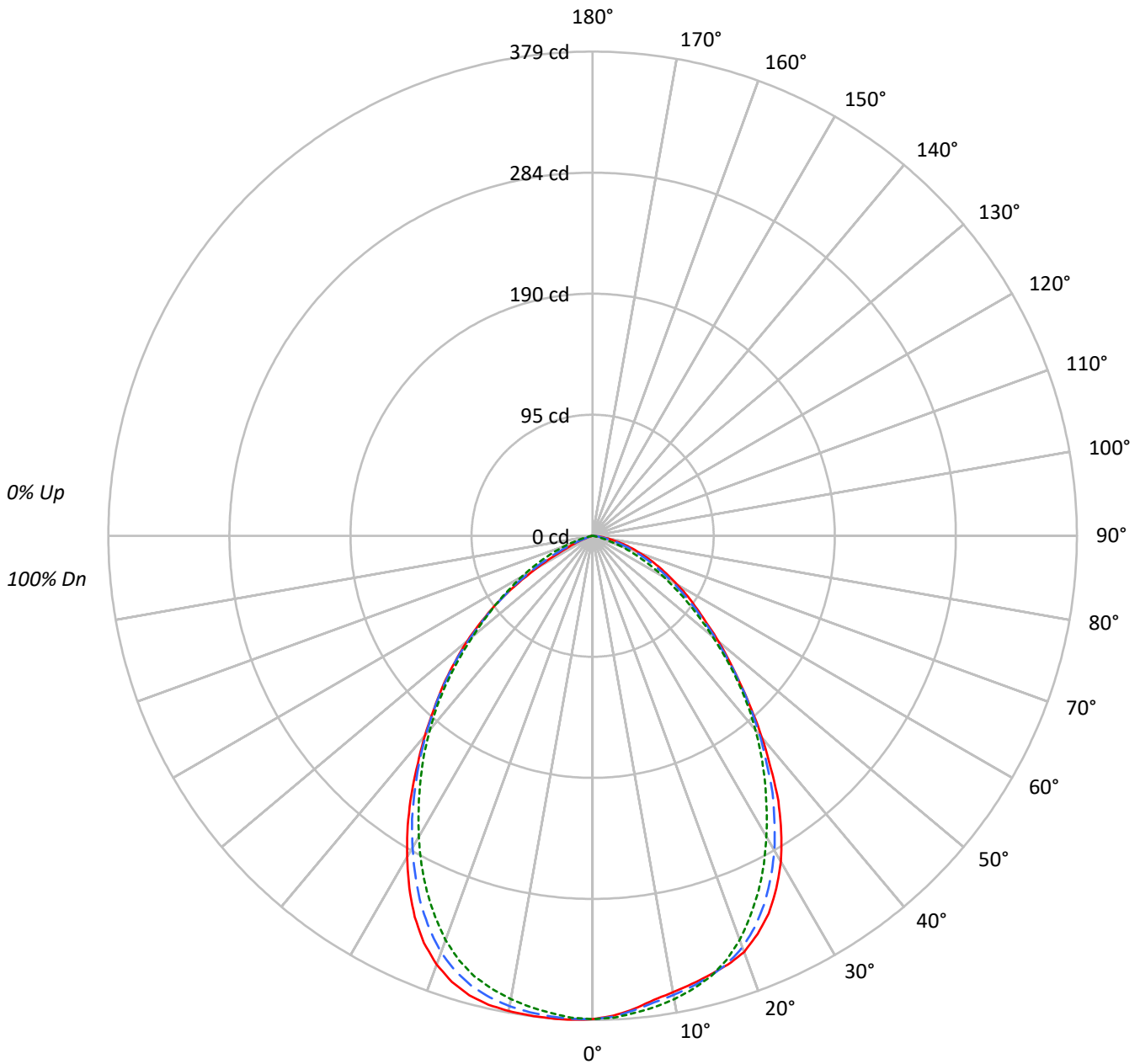
Lumens per Lamp: N/A
Luminaire Lumens: 695.9 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	20744	20744	20744
5°	20460	20636	20867
10°	20190	20502	21031
15°	20182	20267	21141
20°	20226	19637	20827
25°	19731	18570	19918
30°	18655	17218	18376
35°	16958	15727	16550
40°	14742	14162	14606
45°	12637	12412	12815
50°	10959	10413	10934
55°	9510	8650	8602
60°	8377	7006	5438
65°	7342	5318	2607
70°	6299	3526	962
75°	5126	1483	275
80°	3473	379	126
85°	1384	63	63



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	5.1
10°-20°	101.5	14.6
20°-30°	145.5	20.9
30°-40°	151.6	21.8
40°-50°	125.6	18.0
50°-60°	83.3	12.0
60°-70°	40.3	5.8
70°-80°	11.4	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°	282.6	40.6
0°-40°	434.2	62.4
0°-60°	643.1	92.4
0°-90°	695.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	695.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	378	378	378	378	378	
5°	372	373	375	378	379	35
15°	356	357	357	365	372	101
25°	326	318	307	318	329	149
35°	253	245	235	242	247	157
45°	163	163	160	164	165	127
55°	100	96	90	89	90	90
65°	57	51	41	28	20	56
75°	24	18	7	1	1	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°	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4
2.5°	376.0	376.2	376.4	376.2	376.3	376.4	376.4	376.5	376.5	376.6	376.7
5°	371.8	372.2	372.2	372.2	372.2	372.3	372.4	372.4	372.3	372.3	372.8
7.5°	366.4	366.8	366.7	366.8	366.9	367.3	367.1	367.4	367.6	368.1	368.5
10°	362.7	362.8	362.7	363.0	363.3	363.5	363.5	363.8	364.0	364.4	365.0
12.5°	359.3	359.4	359.5	359.8	360.0	359.9	360.1	360.4	360.5	360.8	361.2
15°	355.6	356.1	356.0	356.1	356.3	356.4	356.5	356.6	356.5	356.5	356.7
17.5°	352.0	352.2	352.3	352.3	352.3	352.3	352.0	352.0	351.7	351.2	351.0
20°	346.7	346.5	346.3	346.3	345.7	345.8	345.4	345.1	344.5	343.6	342.8
22.5°	337.3	337.9	337.6	336.8	336.2	336.2	335.8	334.6	333.7	332.6	331.6
25°	326.2	325.9	325.5	325.0	324.3	323.7	323.0	322.3	320.7	318.9	317.9
27.5°	311.3	311.7	310.7	310.0	309.7	308.9	308.2	307.1	305.1	303.6	301.8
30°	294.7	294.4	294.2	293.3	292.2	292.5	291.1	289.9	288.4	285.9	284.5
32.5°	274.7	275.0	274.2	274.1	272.2	272.0	272.0	270.2	269.1	266.6	264.7
35°	253.4	253.1	252.9	252.0	251.9	251.2	250.6	249.3	247.6	246.9	245.4
37.5°	228.9	229.0	229.2	229.2	228.7	228.1	227.6	227.6	225.4	225.1	223.3
40°	206.0	206.3	206.2	205.4	205.5	205.6	205.5	205.4	204.0	203.5	203.3
42.5°	183.7	184.3	183.7	183.6	183.7	183.7	183.5	183.9	183.3	183.7	182.7
45°	163.0	163.5	163.1	163.0	162.8	163.4	162.7	163.3	162.9	162.2	162.6
47.5°	145.1	144.7	145.1	144.9	144.5	144.0	144.8	144.4	143.5	143.4	143.6
50°	128.5	128.3	128.5	128.4	127.8	127.8	127.7	127.3	127.1	126.4	125.9
52.5°	112.6	113.5	112.8	113.5	112.6	112.2	112.4	112.0	111.5	111.3	110.2
55°	99.5	99.6	99.6	99.6	99.1	98.9	98.7	98.4	98.4	97.3	96.2
57.5°	88.1	87.9	87.8	87.4	87.1	86.8	86.6	85.9	85.1	84.1	83.3
60°	76.4	76.7	76.7	76.1	75.7	75.4	75.3	74.8	73.9	72.9	71.7
62.5°	66.2	66.5	65.9	65.9	65.2	65.0	65.0	64.3	63.2	62.1	60.9
65°	56.6	56.5	56.8	55.8	56.1	55.2	55.0	54.7	53.6	52.2	51.1
67.5°	47.5	47.8	47.4	47.2	46.6	46.4	46.1	45.1	44.5	43.3	42.0
70°	39.3	39.1	38.9	38.9	38.4	38.0	37.9	36.6	36.0	35.0	33.6
72.5°	31.7	31.5	31.2	30.9	30.5	30.4	29.6	28.9	28.1	26.9	25.9
75°	24.2	24.1	23.9	23.6	23.0	22.7	22.6	21.8	20.4	19.4	18.5
77.5°	17.5	17.7	17.1	16.6	16.3	15.9	15.7	14.9	14.0	12.9	12.0
80°	11.0	11.1	11.0	10.6	10.2	10.0	9.6	9.1	8.4	7.6	7.0
82.5°	5.9	5.9	5.7	5.6	5.3	5.3	5.0	4.7	4.2	3.9	3.4
85°	2.2	2.2	2.1	2.0	1.9	1.9	1.8	1.6	1.4	1.3	1.0
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°	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4
2.5°	376.7	376.9	377.0	377.2	377.2	377.2	377.3	377.4	377.4	377.6	377.7
5°	373.0	373.1	373.6	373.7	373.9	373.8	374.2	374.5	374.8	375.0	375.4
7.5°	368.8	369.1	369.6	370.1	370.2	370.3	370.7	371.1	371.5	372.1	372.4
10°	365.3	365.6	366.2	366.7	366.7	366.9	367.1	367.5	368.0	368.3	368.8
12.5°	361.4	361.9	362.0	362.2	362.2	362.5	362.7	362.8	363.2	363.3	364.0
15°	356.7	356.7	356.7	356.7	356.7	356.6	356.4	356.6	356.6	357.1	357.4
17.5°	350.4	350.4	349.7	349.2	349.4	348.8	348.6	348.2	348.2	348.2	348.5
20°	342.0	340.9	340.0	338.9	338.4	338.1	337.9	336.8	336.6	336.6	336.6
22.5°	330.2	328.9	327.7	326.8	325.4	324.9	324.4	323.6	322.8	322.3	323.4
25°	315.6	314.1	312.6	310.9	310.5	309.9	308.6	307.9	307.6	307.0	307.2
27.5°	300.3	298.1	296.6	294.8	294.1	293.4	292.2	291.2	289.9	290.1	290.1
30°	282.6	280.2	278.4	276.3	276.1	275.4	274.4	273.0	272.0	272.0	272.7
32.5°	263.6	261.8	260.2	257.7	257.4	256.9	256.2	254.9	254.1	253.4	253.9
35°	244.1	241.4	240.3	238.8	238.9	237.5	236.4	235.6	235.7	235.0	235.4
37.5°	223.3	221.7	220.0	219.4	218.7	218.0	217.6	217.0	216.8	216.8	216.5
40°	202.1	201.3	200.5	200.3	199.2	199.4	199.3	198.9	198.1	197.9	198.6
42.5°	182.2	181.4	181.0	180.4	180.2	179.9	179.9	179.5	179.4	179.5	179.4
45°	161.7	161.6	160.8	160.8	161.3	160.9	159.9	160.5	160.5	160.1	160.9
47.5°	142.9	143.0	142.5	141.5	141.5	140.9	140.1	140.8	141.1	140.6	140.9
50°	125.8	125.0	124.1	123.2	123.6	123.4	122.8	122.3	121.8	122.1	122.5
52.5°	109.5	109.1	108.0	107.1	106.9	107.0	106.3	105.6	105.7	105.6	105.2
55°	94.9	94.9	93.4	93.0	92.0	92.0	91.0	90.9	90.5	90.5	89.9
57.5°	82.3	81.1	80.3	79.4	79.0	78.5	78.2	77.2	76.9	76.1	76.0
60°	70.6	69.3	68.6	67.6	66.8	66.4	65.8	65.0	64.5	63.9	63.1
62.5°	60.3	58.8	57.5	56.5	55.8	55.7	54.8	53.8	52.9	52.1	50.9
65°	49.9	49.0	47.6	46.2	46.0	45.4	44.4	43.4	42.1	41.0	40.3
67.5°	40.7	39.7	38.4	37.7	36.7	36.3	35.1	33.6	32.3	31.1	29.7
70°	32.6	31.0	29.8	28.7	28.3	27.3	26.2	24.7	23.5	22.0	20.0
72.5°	24.5	22.8	22.0	20.7	20.0	19.4	18.0	16.6	14.6	13.5	11.7
75°	17.2	15.9	14.6	13.3	12.9	12.0	10.9	9.4	8.1	7.0	5.7
77.5°	10.8	9.8	8.8	7.7	7.3	6.8	5.9	4.8	3.9	3.0	2.2
80°	6.1	5.4	4.7	3.9	3.6	3.4	2.6	2.0	1.6	1.2	0.7
82.5°	2.9	2.3	2.0	1.6	1.5	1.3	0.8	0.6	0.4	0.2	0.1
85°	0.8	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°	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4
2.5°	377.7	377.8	377.9	377.9	377.9	378.0	378.0	378.3	378.4	378.5	378.5
5°	375.7	376.0	376.3	376.4	376.5	376.9	377.0	377.4	377.7	377.9	378.1
7.5°	372.9	373.2	373.8	374.0	374.3	374.8	375.1	375.8	376.2	376.6	377.2
10°	369.4	369.9	370.7	370.9	371.1	371.8	372.5	373.2	373.9	374.6	375.2
12.5°	364.2	365.0	365.9	366.2	366.6	367.4	368.3	369.4	370.3	371.2	372.3
15°	357.9	358.9	359.5	359.8	360.2	361.5	362.5	363.6	365.0	366.6	367.6
17.5°	349.0	349.5	350.6	351.1	351.8	353.0	354.4	355.9	357.2	358.7	360.5
20°	337.4	338.1	339.5	340.0	340.8	341.9	343.9	345.1	347.1	349.1	350.4
22.5°	322.9	324.3	325.6	326.3	326.8	328.2	329.6	331.7	333.3	336.0	337.6
25°	307.9	308.3	309.4	310.5	310.7	312.5	314.1	316.7	318.2	320.0	322.3
27.5°	290.6	291.2	292.9	293.2	293.3	295.2	297.0	299.0	300.4	302.4	303.5
30°	272.7	273.5	274.2	274.8	275.6	276.6	278.3	280.8	281.8	283.6	285.0
32.5°	254.3	254.3	256.1	256.2	256.7	258.6	259.6	261.1	262.9	264.3	264.1
35°	236.1	236.5	237.1	238.0	238.4	239.7	240.0	241.1	242.3	243.3	244.5
37.5°	217.1	217.1	218.5	219.1	219.6	220.1	220.7	221.9	222.5	222.8	223.7
40°	199.2	199.7	199.9	200.1	200.1	201.1	201.5	202.4	202.7	203.8	203.3
42.5°	180.9	180.6	180.7	181.4	181.5	182.0	182.3	182.9	183.4	183.2	184.0
45°	161.5	161.6	161.9	161.9	162.2	162.9	163.5	163.7	164.1	164.8	164.9
47.5°	141.3	141.9	141.5	142.5	142.8	142.9	144.4	144.5	145.7	146.1	146.1
50°	122.4	122.4	123.1	123.5	123.7	124.2	124.6	125.1	125.5	126.4	126.6
52.5°	105.3	105.7	105.7	105.2	105.7	105.7	106.9	107.0	106.9	107.1	107.5
55°	90.1	90.2	89.5	90.0	89.9	89.5	89.8	89.1	88.8	89.3	89.1
57.5°	75.5	75.0	74.9	74.2	74.2	73.6	73.0	73.0	72.6	71.6	71.5
60°	62.4	61.7	61.1	60.7	59.8	59.1	58.3	57.5	56.5	55.4	54.8
62.5°	50.0	49.2	48.1	47.6	46.9	45.4	44.2	43.2	41.5	40.5	39.6
65°	39.0	37.7	36.0	35.2	34.5	33.1	31.6	29.7	28.1	26.8	25.0
67.5°	28.2	26.8	25.2	24.0	23.3	21.6	19.9	18.3	16.4	14.9	14.0
70°	18.5	16.6	15.1	14.3	13.5	11.8	10.3	8.9	8.0	7.6	7.5
72.5°	10.5	8.7	7.5	6.7	6.0	4.9	4.0	3.5	3.3	3.2	2.9
75°	4.5	3.4	2.6	2.1	1.9	1.5	1.4	1.4	1.4	1.3	1.3
77.5°	1.6	1.2	0.8	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°	378.4	378.4	378.4	378.4	378.4	378.4	378.4	378.4
2.5°	378.6	379.0	379.0	379.1	379.2	379.2	379.2	379.2
5°	378.4	378.6	378.7	379.0	379.1	379.2	379.2	379.2
7.5°	377.4	377.9	378.0	378.3	378.5	378.6	378.6	378.7
10°	375.9	376.4	376.7	377.0	377.3	377.6	377.8	377.8
12.5°	373.1	373.9	374.4	374.6	375.2	375.6	375.8	376.0
15°	368.7	369.6	370.3	370.8	371.2	372.1	372.2	372.5
17.5°	361.9	363.3	363.5	364.2	364.9	366.2	366.0	366.2
20°	352.2	353.7	354.2	354.9	355.9	356.7	357.5	357.0
22.5°	339.2	340.9	341.6	342.4	343.0	343.7	344.8	344.9
25°	323.7	325.2	325.9	326.4	327.7	328.3	329.2	329.3
27.5°	306.2	307.0	307.9	308.2	309.6	309.9	310.7	310.7
30°	286.2	287.1	288.1	288.5	288.9	289.3	289.9	290.3
32.5°	265.7	266.6	267.1	267.7	267.8	268.4	268.1	269.2
35°	245.2	245.4	245.8	245.7	246.5	246.4	247.4	247.3
37.5°	224.5	224.2	224.9	225.5	225.3	225.1	225.4	224.7
40°	203.9	204.0	204.1	204.8	204.1	204.5	204.2	204.1
42.5°	184.7	184.7	183.9	184.7	184.1	183.9	184.3	183.6
45°	165.1	165.0	165.1	165.3	165.3	165.3	164.8	165.3
47.5°	146.6	146.8	146.3	147.1	146.9	146.4	146.4	146.1
50°	127.0	127.8	128.6	127.9	128.5	128.2	127.8	128.2
52.5°	108.4	108.8	108.3	108.4	109.8	109.8	109.0	108.8
55°	88.5	88.5	88.7	88.8	89.1	90.6	89.8	90.0
57.5°	70.8	70.8	70.3	71.2	70.6	70.0	70.6	69.0
60°	53.7	53.6	53.3	52.8	51.5	51.1	49.7	49.6
62.5°	38.3	36.9	36.4	35.3	34.0	33.6	32.3	32.2
65°	23.8	22.1	21.6	21.2	20.5	20.4	19.9	20.1
67.5°	13.5	13.2	13.1	12.8	12.5	12.3	12.3	12.2
70°	7.1	6.7	6.5	6.3	6.3	5.9	5.7	6.0
72.5°	2.7	2.5	2.5	2.5	2.3	2.3	2.3	2.3
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)