

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: P843879

Luminaire Tested: **LD6C08DE010B35 EU6C08B35 6LBLDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843879
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: LD6C08DE010B35 EU6C08B35 6LBLDWLI
Description:
Light Source: -
Ballast/Driver:

Summary

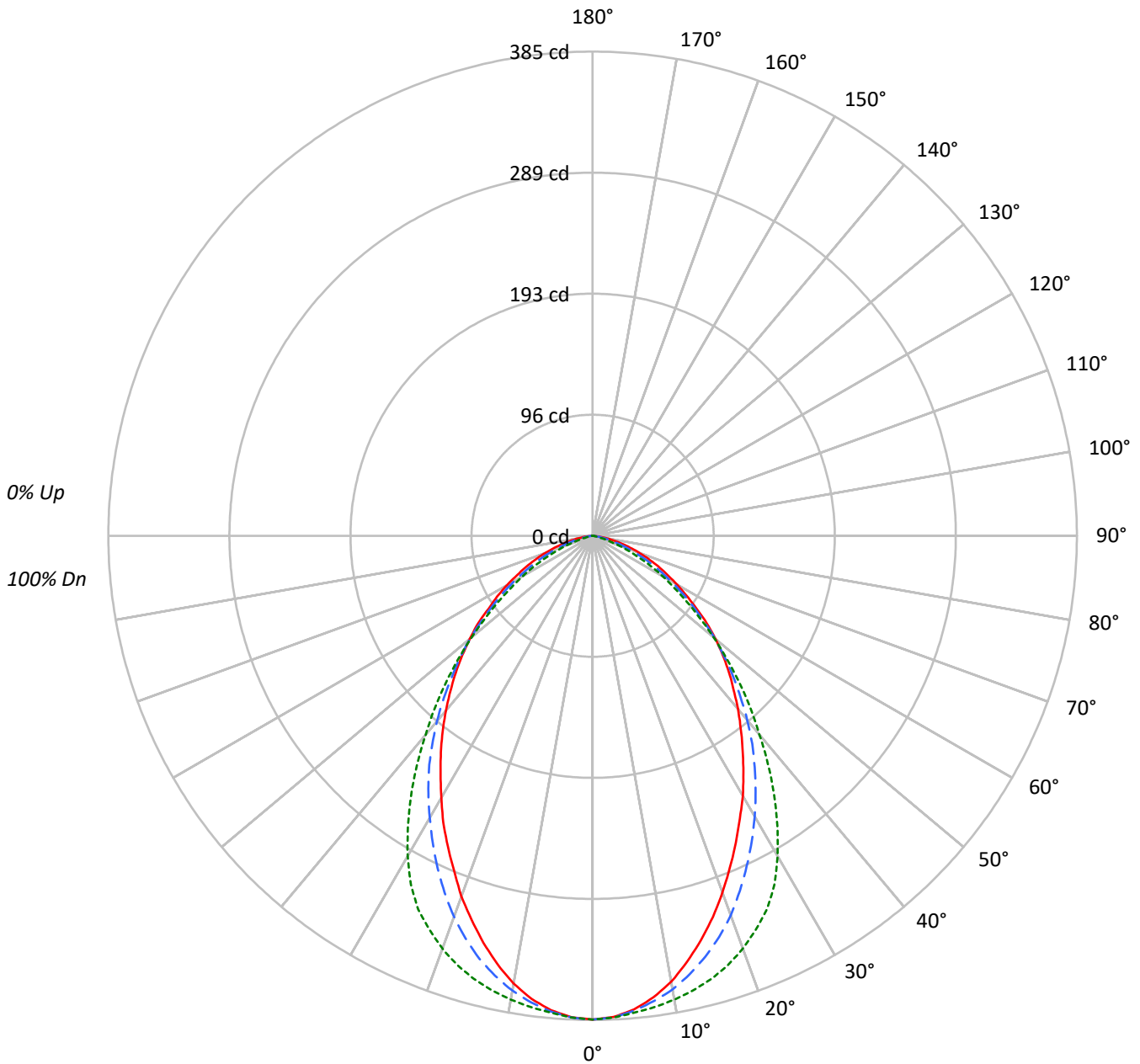
Lumens per Lamp: N/A
Luminaire Lumens: 688.5 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77				77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67				67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59				59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53				53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47				47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42				42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38				38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				35
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32				32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	21089	21089	21089
5°	20807	20950	20840
10°	20045	20847	20123
15°	18888	20704	19018
20°	17607	20378	17793
25°	16283	19834	16477
30°	15123	18617	15224
35°	13913	16838	14074
40°	12860	14763	12981
45°	11885	12769	11924
50°	10865	10695	10848
55°	9605	8745	9634
60°	8475	7017	8607
65°	7459	5215	7524
70°	6267	3270	6443
75°	4978	1398	5105
80°	3346	347	3567
85°	1384	63	1572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	5.2
10°-20°	97.8	14.2
20°-30°	135.0	19.6
30°-40°	142.0	20.6
40°-50°	122.3	17.8
50°-60°	87.1	12.6
60°-70°	49.1	7.1
70°-80°	17.4	2.5
80°-90°	2.0	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°	268.6	39.0
0°-40°	410.7	59.6
0°-60°	620.1	90.1
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°	385	385	385	385	385	
5°	378	379	381	380	379	36
15°	333	346	365	348	335	93
25°	269	290	328	292	272	124
35°	208	225	252	227	210	130
45°	153	158	165	158	154	118
55°	100	97	92	97	101	91
65°	58	49	40	50	58	57
75°	24	16	7	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°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7
2.5°	383.0	383.1	383.1	383.3	383.1	383.1	383.3	383.3	383.1	383.3	383.3
5°	378.1	378.0	378.1	378.2	378.6	378.6	378.5	378.5	378.8	378.7	379.0
7.5°	370.2	370.2	370.5	370.8	370.8	370.9	371.1	371.7	372.2	372.3	373.2
10°	360.1	360.2	360.1	360.7	361.0	361.7	361.5	362.5	363.3	364.6	366.3
12.5°	346.9	347.2	348.1	348.1	349.2	349.9	349.8	351.8	353.5	354.9	357.1
15°	332.8	332.7	333.4	334.4	335.6	336.4	336.9	339.6	341.2	343.8	346.4
17.5°	317.8	317.5	318.5	319.2	321.1	322.3	323.0	325.3	328.0	331.0	334.5
20°	301.8	302.5	302.7	303.6	306.2	307.0	308.4	310.9	313.6	317.2	321.2
22.5°	285.3	286.3	286.8	287.9	290.0	290.7	292.0	295.8	298.7	302.0	305.7
25°	269.2	270.2	271.1	272.6	273.9	275.1	276.8	279.3	282.7	285.7	289.9
27.5°	253.4	254.3	254.6	256.3	257.9	259.4	260.3	263.5	266.2	269.8	273.9
30°	238.9	238.4	239.0	240.4	242.3	243.4	244.9	247.0	250.0	253.5	257.7
32.5°	222.9	222.9	224.0	225.7	227.2	227.9	228.4	231.3	234.4	237.8	241.1
35°	207.9	208.5	209.3	210.4	212.1	212.7	213.9	215.9	218.3	222.1	224.6
37.5°	193.4	193.8	194.7	195.8	197.0	198.3	198.8	201.0	202.7	205.9	208.4
40°	179.7	179.8	180.9	181.2	182.3	182.9	183.9	185.1	187.6	188.9	191.2
42.5°	165.8	166.5	166.8	167.7	167.8	168.9	169.4	169.8	171.9	172.6	173.9
45°	153.3	153.3	153.6	153.6	154.2	153.9	154.6	155.4	155.6	156.8	157.6
47.5°	140.1	139.7	140.2	140.1	140.0	140.0	140.2	140.3	140.8	141.6	142.0
50°	127.4	126.5	126.5	126.4	126.3	126.6	126.6	126.5	126.5	126.9	126.5
52.5°	114.4	114.2	113.5	113.1	112.7	112.7	112.7	112.2	112.2	112.0	111.1
55°	100.5	100.8	100.6	100.3	100.2	99.8	99.8	99.1	98.1	97.6	97.1
57.5°	88.3	88.8	88.8	88.3	87.7	87.5	86.8	86.4	85.6	84.6	83.7
60°	77.3	77.9	77.1	76.7	76.6	76.1	75.9	74.5	73.6	72.7	71.5
62.5°	66.7	67.1	66.4	66.0	65.7	65.3	65.2	64.0	62.4	61.2	59.9
65°	57.5	57.1	56.9	56.3	55.6	55.1	55.1	53.5	52.1	50.8	49.3
67.5°	47.9	48.1	47.8	47.3	46.2	45.7	44.9	43.9	42.6	41.2	39.6
70°	39.1	39.0	38.7	38.2	37.5	36.6	36.0	35.4	33.6	31.9	30.6
72.5°	31.2	31.1	30.7	30.0	29.2	28.8	28.2	27.0	25.6	24.1	22.6
75°	23.5	23.6	23.0	22.7	21.7	21.4	21.2	19.7	18.5	17.2	15.8
77.5°	16.8	16.8	16.2	15.7	15.1	14.9	14.4	13.5	12.6	11.3	10.2
80°	10.6	10.6	10.6	10.0	9.5	9.2	8.9	8.2	7.3	6.6	5.8
82.5°	5.6	5.6	5.4	5.3	5.0	4.8	4.7	4.3	3.7	3.4	2.9
85°	2.2	2.2	2.0	2.0	1.8	1.8	1.7	1.6	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°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7
2.5°	383.4	383.4	383.3	383.4	383.4	383.4	383.4	383.4	383.4	383.4	383.5
5°	379.3	379.7	379.8	379.9	380.1	380.3	380.4	380.5	380.6	380.7	380.7
7.5°	374.0	374.9	375.6	376.2	376.4	376.7	377.0	377.6	378.0	378.0	377.9
10°	367.7	368.9	370.2	371.3	371.7	372.3	372.9	373.8	374.4	374.5	374.5
12.5°	359.5	360.8	363.1	365.0	365.7	366.7	368.0	369.1	369.7	370.2	370.0
15°	349.2	351.9	355.2	357.3	358.3	359.9	361.9	363.2	364.2	364.8	364.5
17.5°	338.0	341.5	345.0	348.0	349.3	350.9	353.7	356.0	357.6	357.9	357.7
20°	325.3	329.1	332.8	336.6	338.5	340.3	343.3	346.3	348.8	349.3	348.9
22.5°	310.2	314.5	319.0	323.2	325.4	327.1	331.4	334.6	337.6	339.0	338.0
25°	294.4	299.1	303.9	307.6	310.0	312.8	316.7	320.6	324.2	327.9	324.6
27.5°	277.8	282.1	287.0	292.2	294.4	296.6	300.5	305.4	309.1	312.8	309.1
30°	261.1	266.5	271.0	275.5	278.1	280.5	284.5	288.4	292.0	294.1	291.8
32.5°	245.5	249.4	253.9	258.3	260.1	262.0	265.4	269.1	272.6	273.2	271.6
35°	229.0	232.5	236.2	239.0	241.1	243.3	246.2	248.5	249.4	251.6	250.0
37.5°	210.4	213.4	216.8	218.8	220.7	222.4	224.6	226.7	227.5	229.1	227.9
40°	192.8	195.3	197.2	199.5	200.5	202.1	203.1	204.8	205.6	206.3	206.6
42.5°	175.8	177.3	178.6	180.2	180.5	181.0	183.2	184.3	185.2	185.7	185.0
45°	158.4	159.9	160.4	161.6	162.2	162.5	163.4	163.5	163.7	164.7	164.3
47.5°	142.7	142.8	143.2	143.7	143.9	143.9	144.5	143.9	144.3	144.4	144.6
50°	126.1	127.0	126.1	126.6	126.8	126.6	126.3	126.0	125.6	125.4	125.3
52.5°	110.4	110.6	110.1	109.7	109.3	109.5	108.4	107.9	108.0	107.2	108.1
55°	96.2	95.7	94.6	94.1	93.3	93.1	93.0	92.3	91.3	91.5	91.7
57.5°	82.5	81.5	80.4	79.7	79.5	78.5	78.4	77.3	76.7	76.6	76.6
60°	70.0	69.3	68.1	66.9	66.0	65.5	64.8	63.9	64.1	64.0	63.4
62.5°	58.2	57.3	55.6	54.4	53.8	53.4	52.6	51.7	51.4	51.7	51.4
65°	47.7	46.2	44.3	43.0	42.9	42.4	41.4	40.8	40.5	40.2	40.6
67.5°	37.9	36.0	34.8	33.1	32.4	32.2	30.7	29.9	30.0	29.9	30.0
70°	28.9	27.0	25.4	24.1	23.2	22.7	22.0	20.9	20.8	20.4	20.9
72.5°	20.9	19.2	17.9	16.4	15.5	15.0	14.0	13.0	12.7	12.5	12.5
75°	14.4	13.0	11.4	10.2	9.5	9.0	7.9	7.2	6.6	6.6	6.6
77.5°	9.0	7.8	6.7	5.8	5.4	4.9	4.0	3.2	3.0	2.5	2.7
80°	5.2	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	1.6	1.3	1.2	1.0	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°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7
2.5°	383.4	383.5	383.4	383.5	383.4	383.6	383.6	383.5	383.5	383.5	383.4
5°	380.6	380.6	380.5	380.5	380.5	380.4	380.0	380.0	379.8	379.7	379.4
7.5°	377.7	377.5	377.0	376.9	376.5	376.2	375.4	374.7	374.3	373.6	372.9
10°	374.1	373.5	372.7	372.2	372.0	371.0	369.9	368.4	367.3	366.2	364.9
12.5°	369.5	368.7	367.3	366.3	365.6	363.9	362.3	360.3	358.3	356.3	354.9
15°	363.5	362.1	360.3	359.4	358.2	355.9	352.9	350.2	348.2	345.8	342.8
17.5°	356.4	354.5	352.0	350.4	348.9	345.8	342.4	339.0	335.8	333.0	330.0
20°	346.6	344.4	341.4	339.2	337.8	333.8	330.1	326.0	322.3	318.9	315.3
22.5°	335.2	331.4	328.4	325.9	324.3	319.8	315.7	311.3	307.3	304.4	300.5
25°	320.8	317.1	313.4	311.3	308.8	304.1	299.8	295.4	291.7	287.9	284.3
27.5°	305.6	301.2	297.1	294.7	292.4	287.8	283.6	279.4	275.2	271.1	267.9
30°	288.8	284.5	281.2	278.2	275.7	272.0	266.7	262.6	258.9	255.2	251.8
32.5°	270.2	266.6	262.7	261.2	259.4	254.9	250.9	246.9	243.1	239.3	236.0
35°	248.6	245.8	243.5	241.9	240.7	236.7	233.5	229.3	227.0	223.2	220.6
37.5°	226.5	225.2	223.6	221.6	219.9	217.6	215.7	212.2	209.5	206.8	203.9
40°	205.4	203.8	201.8	200.7	200.3	198.3	195.6	193.8	192.3	189.8	188.3
42.5°	184.7	183.9	181.8	181.4	180.9	179.1	177.8	176.2	175.1	173.3	172.6
45°	163.6	163.5	163.0	162.5	162.2	161.0	160.7	158.8	157.8	157.5	156.6
47.5°	145.0	144.6	143.8	144.6	143.4	143.3	143.3	143.0	142.6	141.5	141.4
50°	126.0	126.6	126.8	126.4	127.1	127.0	126.4	126.5	126.8	127.2	126.5
52.5°	108.5	109.0	109.9	109.6	110.2	110.8	110.6	111.6	111.3	111.7	112.7
55°	91.9	93.4	94.2	93.9	94.4	95.2	95.4	96.4	97.1	98.0	98.7
57.5°	77.7	78.1	79.3	79.7	79.9	80.5	81.9	83.2	84.1	84.7	85.5
60°	63.7	64.9	65.9	65.9	66.9	67.8	69.0	70.2	71.3	72.9	73.9
62.5°	51.9	52.1	53.4	53.5	54.4	55.8	56.8	58.7	60.0	61.7	63.1
65°	40.5	41.6	42.4	42.5	43.7	44.8	46.1	47.9	49.7	51.1	52.6
67.5°	30.4	31.0	31.9	32.9	33.1	34.8	36.7	38.4	40.0	41.2	43.0
70°	21.2	21.7	23.2	23.6	24.4	25.7	27.2	29.0	30.8	32.6	34.1
72.5°	13.0	14.2	15.0	15.8	16.4	18.0	19.7	21.2	22.7	24.3	26.1
75°	7.2	7.9	9.0	9.7	10.4	11.5	13.1	14.6	16.1	17.5	18.7
77.5°	3.2	4.0	4.9	5.4	5.9	7.0	8.1	9.4	10.6	11.5	12.7
80°	1.3	1.8	2.3	2.7	3.0	3.6	4.5	5.2	5.9	6.8	7.7
82.5°	0.5	0.6	1.0	1.2	1.3	1.7	2.0	2.4	3.1	3.5	4.0
85°	0.1	0.1	0.2	0.2	0.4	0.5	0.6	1.0	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°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7
2.5°	383.4	383.3	383.3	383.3	383.3	383.1	383.1	383.1
5°	379.5	379.3	379.2	379.2	378.7	378.8	378.8	378.7
7.5°	372.7	372.5	372.1	372.3	372.2	371.8	371.7	371.5
10°	363.8	363.3	363.2	362.6	362.1	362.0	362.0	361.5
12.5°	353.4	351.9	351.8	351.1	350.2	349.8	350.0	349.2
15°	341.6	339.6	338.5	338.0	337.0	336.1	335.4	335.1
17.5°	327.3	325.0	324.3	323.7	321.6	321.4	320.5	320.0
20°	312.4	310.4	309.3	308.5	306.8	305.2	305.1	305.0
22.5°	297.9	294.7	293.6	292.4	290.6	289.4	288.6	287.9
25°	281.5	278.8	277.0	275.8	274.6	273.5	272.6	272.4
27.5°	265.0	262.5	261.3	260.3	258.7	257.5	256.5	257.0
30°	249.1	246.4	245.2	244.4	242.7	242.1	240.3	240.5
32.5°	233.1	230.8	229.9	228.3	226.8	226.0	225.4	224.9
35°	217.8	215.9	214.6	213.5	212.2	210.9	210.3	210.3
37.5°	202.3	200.3	199.7	198.9	197.7	195.9	195.2	195.8
40°	186.5	185.1	184.5	183.9	182.7	182.0	181.4	181.4
42.5°	171.4	170.1	170.0	169.4	168.4	168.0	167.4	167.1
45°	155.8	155.2	154.6	154.6	154.5	154.4	154.0	153.8
47.5°	140.8	140.9	140.7	140.5	140.7	140.2	140.8	140.3
50°	127.0	126.8	127.0	126.8	126.9	127.4	126.9	127.2
52.5°	112.4	113.5	113.7	113.2	113.7	114.0	114.3	115.0
55°	99.4	99.8	100.1	100.6	100.8	101.6	100.8	100.8
57.5°	86.8	87.5	87.7	88.1	89.2	88.7	89.4	89.9
60°	75.4	76.1	76.7	77.1	77.4	78.4	78.6	78.5
62.5°	64.2	65.4	65.5	66.5	66.7	67.5	67.9	67.5
65°	53.8	54.9	55.6	56.3	57.0	57.6	57.5	58.0
67.5°	44.3	45.6	46.2	46.5	47.5	47.8	48.4	48.8
70°	35.7	36.6	37.3	37.8	38.4	39.1	39.8	40.2
72.5°	27.2	28.7	29.4	29.7	30.7	31.2	31.5	31.8
75°	20.2	21.4	21.7	22.3	22.8	24.0	23.9	24.1
77.5°	14.0	14.8	15.5	15.5	16.4	16.7	17.3	17.5
80°	8.4	9.2	9.6	9.7	10.4	10.8	11.0	11.3
82.5°	4.3	5.0	5.0	5.3	5.8	5.8	5.9	6.1
85°	1.7	1.9	2.0	2.0	2.2	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)