

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: P843913

Luminaire Tested: **LD6C08DE010B50 EU6C08B50 6LBLDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843913
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: LD6C08DE010B50 EU6C08B50 6LBLDWLI
Description:
Light Source: -
Ballast/Driver:

Summary

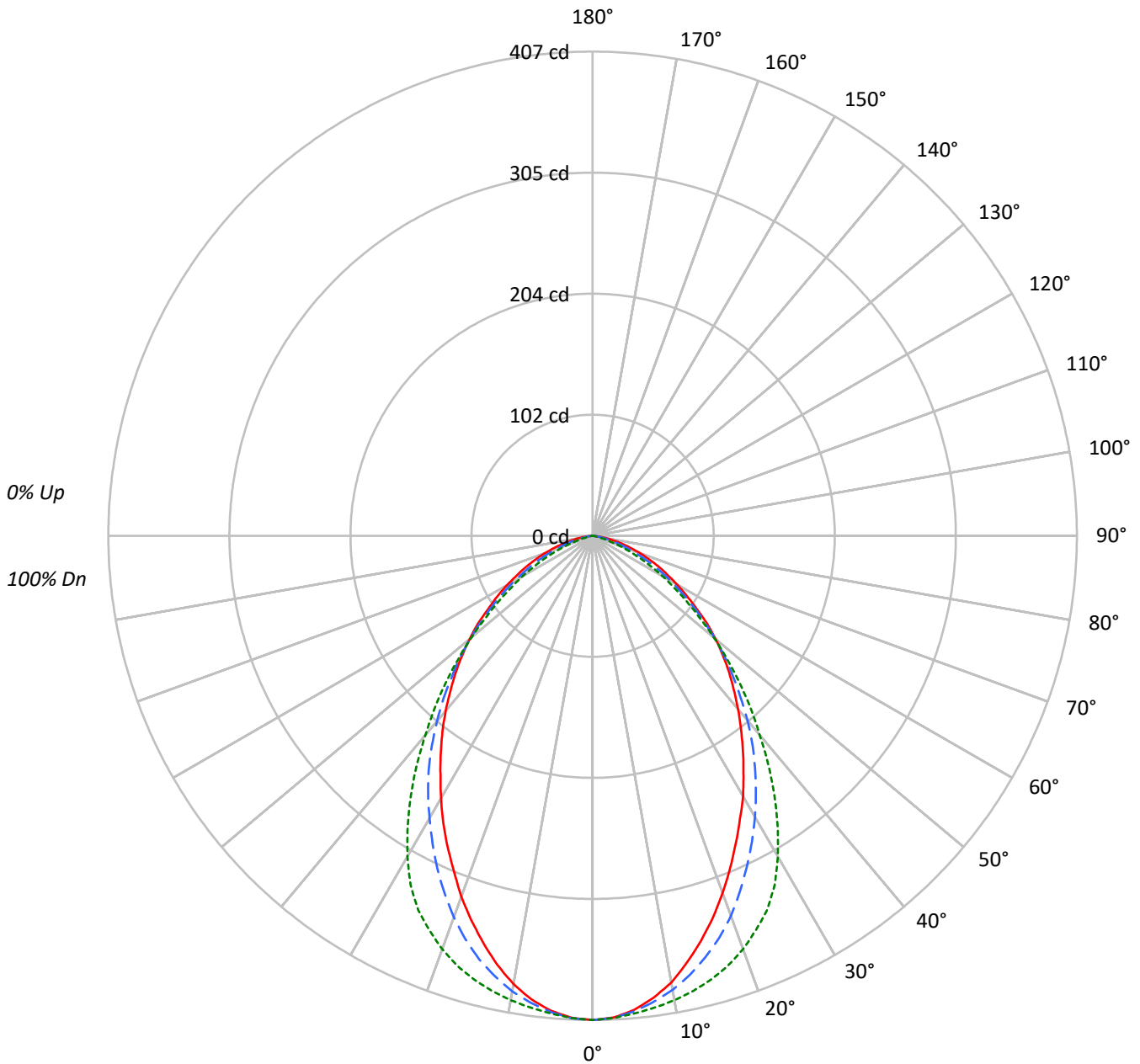
Lumens per Lamp: N/A
Luminaire Lumens: 728.7 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	22317	22317	22317
5°	22023	22182	22056
10°	21220	22066	21303
15°	19994	21907	20125
20°	18633	21568	18832
25°	17233	20989	17439
30°	16002	19706	16116
35°	14730	17822	14890
40°	13611	15629	13740
45°	12567	13513	12614
50°	11496	11326	11488
55°	10160	9252	10198
60°	8980	7423	9100
65°	7900	5513	7952
70°	6652	3462	6812
75°	5274	1483	5422
80°	3504	347	3788
85°	1447	63	1698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	5.2
10°-20°	103.5	14.2
20°-30°	142.9	19.6
30°-40°	150.3	20.6
40°-50°	129.5	17.8
50°-60°	92.2	12.6
60°-70°	52.0	7.1
70°-80°	18.4	2.5
80°-90°	2.1	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°	284.3	39.0
0°-40°	434.6	59.6
0°-60°	656.3	90.1
0°-90°	728.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	728.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	407	407	407	407	407	
5°	400	401	403	402	401	38
15°	352	367	386	368	355	99
25°	285	307	347	309	288	131
35°	220	238	266	240	222	138
45°	162	167	174	167	163	125
55°	106	103	97	103	107	96
65°	61	52	42	53	61	60
75°	25	17	7	17	26	27
85°	2	1	0	1	3	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°	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1
2.5°	405.3	405.5	405.5	405.6	405.5	405.5	405.6	405.6	405.5	405.6	405.6
5°	400.2	400.0	400.2	400.3	400.7	400.7	400.5	400.5	400.9	400.8	401.2
7.5°	391.7	391.7	392.2	392.4	392.4	392.6	392.8	393.3	393.9	394.1	395.0
10°	381.2	381.3	381.2	381.7	382.1	382.8	382.7	383.6	384.6	385.9	387.6
12.5°	367.1	367.5	368.4	368.4	369.5	370.3	370.2	372.3	374.1	375.7	377.9
15°	352.3	352.2	352.8	354.0	355.2	356.1	356.5	359.4	361.2	363.8	366.6
17.5°	336.4	336.0	337.1	337.8	339.8	341.1	341.8	344.3	347.1	350.4	354.1
20°	319.4	320.1	320.4	321.3	324.1	325.0	326.4	329.0	331.9	335.7	339.9
22.5°	302.1	303.0	303.5	304.7	306.9	307.8	309.1	313.1	316.1	319.5	323.5
25°	284.9	286.0	286.9	288.4	289.9	291.2	293.0	295.6	299.2	302.3	306.8
27.5°	268.2	269.2	269.4	271.2	273.0	274.6	275.5	278.8	281.8	285.6	289.9
30°	252.8	252.2	253.0	254.5	256.5	257.5	259.2	261.3	264.6	268.3	272.8
32.5°	236.0	236.0	237.0	238.8	240.5	241.2	241.8	244.8	248.0	251.6	255.3
35°	220.1	220.6	221.6	222.6	224.4	225.1	226.3	228.4	231.1	235.0	237.8
37.5°	204.8	205.1	206.0	207.2	208.5	209.8	210.4	212.7	214.6	217.9	220.5
40°	190.2	190.3	191.4	191.7	193.0	193.5	194.6	195.9	198.6	200.0	202.4
42.5°	175.5	176.2	176.5	177.5	177.7	178.7	179.3	179.7	181.9	182.7	184.0
45°	162.1	162.1	162.6	162.6	163.3	162.9	163.6	164.5	164.6	165.9	166.8
47.5°	148.3	147.9	148.4	148.3	148.2	148.2	148.4	148.6	149.0	150.0	150.3
50°	134.8	133.9	133.9	133.8	133.6	134.0	134.0	133.9	133.9	134.3	133.9
52.5°	121.1	120.9	120.1	119.6	119.3	119.3	119.3	118.8	118.8	118.6	117.6
55°	106.3	106.7	106.4	106.2	106.0	105.7	105.7	104.9	103.9	103.3	102.8
57.5°	93.5	94.0	94.0	93.5	92.9	92.5	91.9	91.5	90.5	89.6	88.5
60°	81.9	82.5	81.5	81.1	81.0	80.6	80.4	78.8	77.8	76.9	75.7
62.5°	70.6	71.0	70.2	69.9	69.5	69.1	69.0	67.7	66.1	64.8	63.4
65°	60.9	60.5	60.2	59.5	58.8	58.3	58.3	56.7	55.2	53.7	52.2
67.5°	50.7	51.0	50.6	50.0	49.0	48.4	47.6	46.5	45.2	43.7	41.9
70°	41.5	41.4	40.9	40.4	39.7	38.7	38.1	37.5	35.6	33.8	32.4
72.5°	33.0	32.9	32.5	31.8	30.9	30.5	29.9	28.6	27.1	25.6	23.9
75°	24.9	25.0	24.3	24.0	23.0	22.5	22.4	20.8	19.6	18.2	16.7
77.5°	17.8	17.8	17.1	16.6	16.1	15.8	15.2	14.3	13.3	12.0	10.8
80°	11.1	11.1	11.1	10.6	10.0	9.8	9.4	8.7	7.7	7.0	6.1
82.5°	6.0	6.0	5.7	5.6	5.3	5.1	4.9	4.7	3.9	3.5	3.0
85°	2.3	2.3	2.2	2.2	1.9	1.9	1.8	1.6	1.4	1.3	1.1
87.5°	0.3	0.3	0.3	0.3	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°	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1
2.5°	405.7	405.7	405.6	405.7	405.7	405.7	405.7	405.7	405.7	405.7	405.9
5°	401.4	401.8	401.9	402.1	402.3	402.4	402.6	402.7	402.9	403.1	403.1
7.5°	395.8	396.7	397.5	398.1	398.4	398.6	399.0	399.6	400.0	400.0	399.9
10°	389.2	390.4	391.7	392.9	393.3	394.1	394.7	395.6	396.2	396.4	396.4
12.5°	380.4	381.8	384.2	386.4	387.1	388.0	389.4	390.7	391.3	391.7	391.6
15°	369.5	372.4	375.9	378.1	379.3	380.9	383.1	384.4	385.5	386.0	385.7
17.5°	357.8	361.4	365.1	368.3	369.7	371.3	374.3	376.8	378.4	378.8	378.5
20°	344.3	348.4	352.3	356.2	358.3	360.2	363.3	366.5	369.2	369.7	369.3
22.5°	328.3	332.8	337.6	342.1	344.5	346.2	350.7	354.2	357.4	358.7	357.8
25°	311.7	316.5	321.6	325.5	328.1	331.1	335.2	339.3	343.1	347.0	343.5
27.5°	294.0	298.5	303.8	309.3	311.7	313.9	318.0	323.2	327.1	331.1	327.1
30°	276.4	282.1	286.8	291.6	294.2	296.9	301.1	305.3	309.1	311.3	308.8
32.5°	259.8	264.0	268.7	273.4	275.3	277.3	280.8	284.7	288.4	289.2	287.5
35°	242.3	246.0	249.9	253.0	255.3	257.4	260.6	263.0	264.0	266.3	264.6
37.5°	222.6	225.9	229.4	231.6	233.6	235.4	237.8	239.9	240.7	242.5	241.2
40°	204.0	206.8	208.8	211.1	212.2	214.0	214.9	216.7	217.7	218.4	218.6
42.5°	186.0	187.6	189.1	190.7	191.1	191.5	193.9	195.0	196.0	196.5	195.8
45°	167.7	169.2	169.8	171.0	171.7	172.0	172.9	173.0	173.3	174.3	173.9
47.5°	151.0	151.1	151.6	152.1	152.4	152.4	152.9	152.4	152.6	152.8	153.0
50°	133.5	134.4	133.5	134.0	134.1	134.0	133.6	133.4	132.9	132.8	132.6
52.5°	116.9	117.1	116.4	116.1	115.7	115.8	114.8	114.2	114.3	113.5	114.4
55°	101.9	101.2	100.1	99.6	98.7	98.6	98.4	97.7	96.7	96.8	97.1
57.5°	87.3	86.3	85.1	84.4	84.2	83.0	82.9	81.9	81.1	81.0	81.0
60°	74.0	73.3	72.0	70.9	69.9	69.3	68.6	67.6	67.8	67.7	67.1
62.5°	61.6	60.6	58.8	57.5	56.9	56.6	55.6	54.8	54.4	54.8	54.4
65°	50.4	49.0	46.9	45.6	45.4	44.8	43.8	43.3	42.8	42.5	42.9
67.5°	40.1	38.1	36.8	35.1	34.3	34.0	32.5	31.6	31.8	31.6	31.8
70°	30.6	28.6	26.9	25.6	24.4	24.0	23.3	22.1	22.0	21.6	22.1
72.5°	22.1	20.4	18.9	17.5	16.5	15.9	14.8	13.7	13.4	13.2	13.2
75°	15.2	13.7	12.1	10.8	10.0	9.5	8.5	7.6	7.0	7.0	7.0
77.5°	9.5	8.2	7.1	6.1	5.7	5.2	4.2	3.4	3.2	2.7	2.9
80°	5.4	4.4	3.8	3.2	2.7	2.4	1.9	1.5	1.1	1.1	1.1
82.5°	2.5	2.2	1.6	1.4	1.3	1.0	0.6	0.5	0.4	0.3	0.3
85°	0.8	0.6	0.5	0.4	0.3	0.3	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°	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1
2.5°	405.7	405.9	405.7	405.9	405.7	406.0	406.0	405.9	405.9	405.9	405.7
5°	402.9	402.9	402.7	402.7	402.7	402.6	402.2	402.2	401.9	401.8	401.5
7.5°	399.8	399.5	399.0	398.9	398.5	398.1	397.4	396.6	396.1	395.4	394.7
10°	396.0	395.2	394.5	393.9	393.7	392.7	391.4	389.8	388.8	387.5	386.1
12.5°	391.1	390.3	388.8	387.6	387.0	385.2	383.5	381.4	379.3	377.0	375.7
15°	384.7	383.3	381.4	380.3	379.1	376.6	373.6	370.7	368.5	366.0	362.8
17.5°	377.2	375.1	372.6	370.8	369.3	366.0	362.3	358.7	355.5	352.5	349.2
20°	366.9	364.5	361.3	359.0	357.5	353.2	349.3	345.0	341.1	337.5	333.7
22.5°	354.7	350.7	347.5	344.9	343.2	338.4	334.1	329.5	325.2	322.2	318.0
25°	339.5	335.6	331.7	329.5	326.9	321.8	317.4	312.6	308.7	304.7	300.9
27.5°	323.3	318.8	314.4	311.8	309.5	304.6	300.2	295.8	291.3	286.9	283.6
30°	305.7	301.1	297.7	294.4	291.8	287.9	282.3	277.9	274.0	270.1	266.5
32.5°	286.0	282.2	278.2	276.5	274.6	269.8	265.5	261.2	257.3	253.4	249.7
35°	263.1	260.2	257.7	255.9	254.7	250.6	247.1	242.6	240.2	236.3	233.5
37.5°	239.8	238.3	236.7	234.5	232.7	230.2	228.2	224.5	221.7	218.8	215.9
40°	217.3	215.8	213.5	212.5	212.1	209.8	207.0	205.1	203.5	201.0	199.3
42.5°	195.5	194.6	192.5	192.0	191.4	189.5	188.2	186.5	185.4	183.5	182.7
45°	173.1	173.0	172.5	172.0	171.7	170.3	170.1	168.0	167.1	166.7	165.8
47.5°	153.5	153.0	152.2	153.0	151.9	151.7	151.7	151.2	150.9	149.8	149.7
50°	133.4	134.0	134.1	133.8	134.5	134.4	133.8	133.9	134.1	134.7	133.9
52.5°	114.9	115.4	116.3	115.9	116.7	117.3	117.1	118.1	117.7	118.2	119.3
55°	97.3	98.8	99.7	99.3	99.9	100.7	101.0	102.0	102.8	103.8	104.4
57.5°	82.3	82.6	84.0	84.4	84.5	85.2	86.6	88.1	89.1	89.7	90.4
60°	67.4	68.7	69.7	69.7	70.9	71.8	73.0	74.4	75.4	77.1	78.3
62.5°	54.9	55.2	56.6	56.7	57.5	59.1	60.1	62.1	63.5	65.3	66.8
65°	42.8	44.0	44.8	44.9	46.2	47.5	48.8	50.7	52.6	54.2	55.6
67.5°	32.0	32.8	33.8	34.8	35.1	36.8	38.9	40.6	42.3	43.7	45.6
70°	22.4	23.0	24.4	25.0	25.8	27.2	28.8	30.7	32.6	34.5	36.1
72.5°	13.7	14.9	15.9	16.7	17.5	19.0	20.8	22.4	24.0	25.7	27.6
75°	7.6	8.5	9.5	10.4	11.0	12.3	13.9	15.5	17.0	18.5	19.9
77.5°	3.4	4.2	5.2	5.7	6.2	7.3	8.6	9.9	11.1	12.3	13.4
80°	1.4	1.9	2.4	2.9	3.2	3.8	4.8	5.4	6.2	7.2	8.1
82.5°	0.5	0.6	1.0	1.3	1.4	1.8	2.2	2.5	3.3	3.7	4.2
85°	0.1	0.1	0.3	0.3	0.4	0.5	0.6	1.0	1.1	1.3	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3
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°	407.1	407.1	407.1	407.1	407.1	407.1	407.1	407.1
2.5°	405.7	405.6	405.6	405.6	405.6	405.5	405.5	405.5
5°	401.7	401.4	401.3	401.3	400.8	400.9	400.9	400.8
7.5°	394.5	394.2	393.8	394.1	393.9	393.5	393.3	393.2
10°	385.1	384.6	384.4	383.7	383.3	383.2	383.2	382.7
12.5°	374.0	372.4	372.3	371.7	370.7	370.2	370.4	369.5
15°	361.6	359.4	358.3	357.8	356.6	355.7	354.9	354.6
17.5°	346.5	344.0	343.2	342.7	340.3	340.2	339.2	338.8
20°	330.7	328.5	327.3	326.5	324.7	323.1	323.0	322.8
22.5°	315.4	311.8	310.7	309.5	307.6	306.3	305.4	304.7
25°	297.9	295.1	293.2	292.0	290.6	289.5	288.4	288.3
27.5°	280.6	277.8	276.6	275.5	273.7	272.6	271.5	272.0
30°	263.6	260.8	259.4	258.7	256.9	256.3	254.4	254.6
32.5°	246.7	244.2	243.3	241.7	240.1	239.2	238.6	238.0
35°	230.6	228.4	227.2	226.0	224.5	223.2	222.5	222.5
37.5°	214.1	212.1	211.3	210.6	209.2	207.3	206.6	207.2
40°	197.4	195.9	195.2	194.6	193.3	192.6	192.0	192.0
42.5°	181.5	180.0	179.8	179.3	178.2	177.8	177.3	176.8
45°	164.9	164.3	163.6	163.6	163.5	163.4	163.0	162.7
47.5°	149.0	149.1	148.8	148.7	148.8	148.4	149.0	148.6
50°	134.4	134.1	134.4	134.1	134.3	134.8	134.3	134.7
52.5°	119.0	120.1	120.3	119.7	120.3	120.7	121.0	121.6
55°	105.2	105.7	105.9	106.4	106.7	107.6	106.7	106.7
57.5°	91.9	92.5	92.9	93.3	94.3	93.9	94.6	95.2
60°	79.7	80.6	81.1	81.5	82.0	82.9	83.2	83.0
62.5°	68.0	69.2	69.3	70.4	70.6	71.4	71.9	71.4
65°	56.9	58.1	58.8	59.5	60.4	61.0	60.9	61.3
67.5°	46.9	48.2	49.0	49.2	50.3	50.6	51.3	51.6
70°	37.8	38.7	39.6	40.0	40.6	41.5	42.1	42.5
72.5°	28.8	30.4	31.1	31.4	32.5	33.0	33.3	33.7
75°	21.4	22.5	23.0	23.7	24.2	25.4	25.3	25.6
77.5°	14.8	15.7	16.5	16.5	17.5	17.7	18.4	18.5
80°	8.9	9.8	10.2	10.4	11.0	11.4	11.7	12.0
82.5°	4.7	5.3	5.3	5.6	6.1	6.1	6.2	6.6
85°	1.8	2.0	2.2	2.2	2.3	2.5	2.5	2.7
87.5°	0.3	0.3	0.3	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)