

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: P843924

Luminaire Tested: **LD6C08DE010B50 EU6C08B50 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P843924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252180)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08DE010B50 EU6C08B50 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

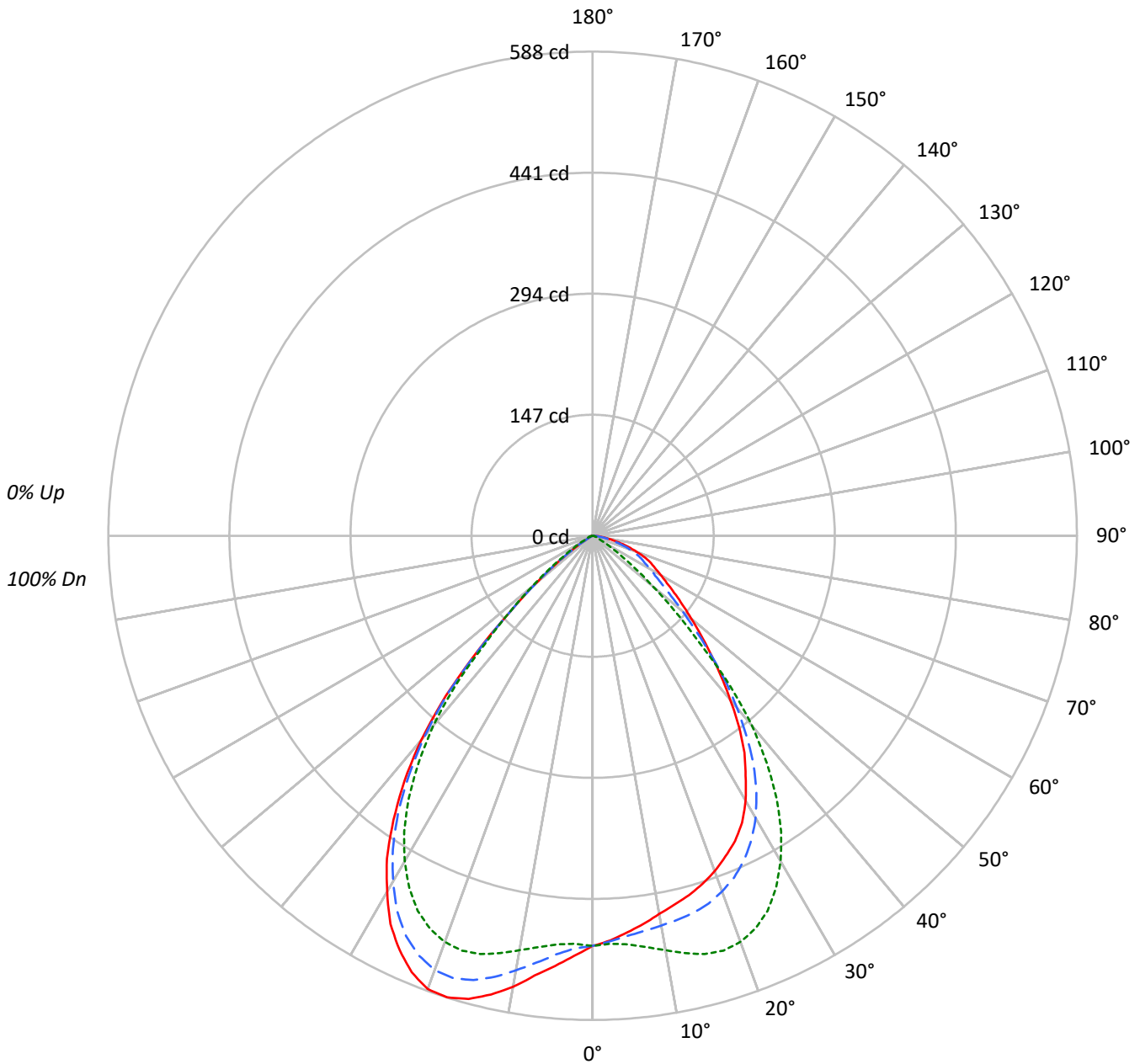
Lumens per Lamp: N/A
Luminaire Lumens: 910.7 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90				90
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80				80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72				72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65				65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58				58
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53				53
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48				48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44				44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40				40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	39	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	27306	27306	27306
5°	26601	27410	28858
10°	25957	28445	30967
15°	25653	29847	33054
20°	25284	30622	34175
25°	24745	30395	33558
30°	23516	28884	31593
35°	21516	26040	28208
40°	18613	21505	23143
45°	15692	14102	15133
50°	13322	8162	7676
55°	11565	3909	2963
60°	10449	1831	735
65°	10131	1051	246
70°	9088	850	240
75°	7456	614	106
80°	5588	316	0
85°	4780	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	5.3
10°-20°	146.7	16.1
20°-30°	224.1	24.6
30°-40°	234.4	25.7
40°-50°	152.0	16.7
50°-60°	60.4	6.6
60°-70°	28.6	3.1
70°-80°	13.6	1.5
80°-90°	2.8	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°	418.8	46.0
0°-40°	653.2	71.7
0°-60°	865.6	95.1
0°-90°	910.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	498	498	498	498	498	
5°	483	488	498	510	524	46
15°	452	474	526	559	582	127
25°	409	435	502	536	555	187
35°	322	341	389	412	422	199
45°	202	200	182	193	195	157
55°	121	103	41	32	31	110
65°	78	65	8	2	2	76
75°	35	29	3	1	0	38
85°	8	5	0	0	0	9
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°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1
2.5°	492.0	493.0	487.7	486.3	490.1	491.5	492.0	490.5	491.1	493.0	493.0
5°	483.4	484.4	479.6	478.2	482.0	482.9	484.4	483.9	485.3	488.2	487.7
7.5°	475.3	476.8	471.5	469.6	474.3	476.8	477.7	477.7	479.6	483.4	483.9
10°	466.3	468.2	463.5	462.5	467.7	470.1	470.5	471.5	474.3	479.6	480.6
12.5°	458.7	460.6	457.2	455.8	461.6	463.9	464.8	466.7	470.1	476.8	477.7
15°	452.0	453.4	449.6	448.6	454.4	457.2	457.7	460.6	464.8	472.4	473.9
17.5°	443.4	444.3	441.6	440.6	446.3	449.1	449.6	452.9	458.2	465.8	468.2
20°	433.4	434.4	431.5	430.6	436.3	439.6	440.1	442.9	449.1	457.2	459.6
22.5°	421.5	423.4	420.1	419.1	424.9	427.7	429.1	431.5	437.6	445.8	449.1
25°	409.1	409.1	406.8	406.2	411.5	414.8	414.4	417.7	423.9	431.9	434.8
27.5°	392.9	392.5	390.1	389.6	395.3	398.2	397.2	400.5	406.2	414.4	417.2
30°	371.5	372.5	369.1	368.2	372.9	377.7	377.3	380.5	386.2	393.9	395.8
32.5°	345.7	346.7	346.3	344.8	349.1	351.5	352.9	355.3	360.0	368.2	370.1
35°	321.5	320.0	318.1	318.1	322.5	326.3	324.8	327.7	332.4	340.6	341.0
37.5°	291.5	291.0	290.0	289.1	293.8	294.8	295.3	297.2	301.5	308.2	307.2
40°	260.1	260.5	260.1	258.2	261.0	264.8	264.3	265.3	269.1	273.8	272.4
42.5°	230.5	230.5	230.5	228.7	231.9	233.8	234.8	234.4	235.3	239.6	237.7
45°	202.4	202.9	202.4	201.9	202.4	203.4	202.4	201.9	201.9	203.4	200.5
47.5°	178.1	178.1	176.7	175.2	176.7	177.2	175.8	174.3	173.9	173.3	168.6
50°	156.2	155.8	155.3	152.9	154.3	154.8	152.9	151.9	150.1	147.6	141.9
52.5°	137.2	136.6	136.2	133.8	134.7	135.3	133.4	131.5	129.0	127.1	120.0
55°	121.0	120.5	120.5	119.1	118.1	119.1	117.2	115.7	112.4	110.0	102.9
57.5°	107.1	107.1	106.2	104.8	105.2	105.2	103.3	101.4	98.6	95.7	90.0
60°	95.3	95.3	95.3	93.8	93.8	93.8	92.9	91.0	88.6	85.8	80.1
62.5°	85.8	85.8	85.2	83.9	84.3	84.3	83.3	81.4	79.1	77.1	71.4
65°	78.1	78.1	78.1	76.7	76.7	77.1	76.3	74.4	72.3	70.0	64.7
67.5°	68.5	68.1	68.1	67.2	67.6	68.1	67.2	65.8	63.4	61.9	57.1
70°	56.7	57.1	57.6	56.2	56.7	56.7	56.2	54.8	53.3	51.9	47.6
72.5°	46.2	46.2	45.7	45.3	45.3	45.7	44.7	43.4	42.4	41.5	38.1
75°	35.2	34.8	35.2	34.3	34.3	34.3	33.3	32.9	32.4	31.0	28.6
77.5°	25.7	25.3	25.3	24.3	24.7	24.7	24.3	23.4	22.4	21.9	20.0
80°	17.7	17.7	17.7	17.1	17.1	16.7	16.7	16.2	15.2	14.8	13.9
82.5°	12.0	12.0	12.0	11.4	11.4	11.4	11.0	10.5	10.0	9.5	8.6
85°	7.6	7.6	7.6	7.2	7.2	7.2	6.7	6.7	6.2	5.7	4.8
87.5°	4.2	4.2	4.2	3.8	3.8	3.8	3.8	3.8	3.3	2.9	2.4
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°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1
2.5°	496.2	489.6	493.9	493.9	492.4	496.2	498.7	500.6	500.0	495.8	495.3
5°	492.4	486.7	491.5	492.0	490.5	495.8	499.1	501.5	502.0	498.1	498.7
7.5°	489.6	484.8	491.1	493.0	492.4	497.2	501.0	504.8	506.7	503.9	504.4
10°	488.2	484.4	491.1	493.9	494.3	499.6	505.3	510.5	513.0	511.0	512.4
12.5°	486.3	483.9	491.5	495.8	497.7	502.9	510.1	516.2	520.1	519.2	521.9
15°	484.4	482.5	491.5	497.7	500.0	504.8	513.0	521.9	526.3	525.9	529.7
17.5°	479.6	479.1	488.6	495.3	498.7	504.4	512.0	522.9	527.2	528.2	532.9
20°	472.0	472.0	482.5	489.6	493.4	498.7	508.2	518.7	524.0	524.9	530.1
22.5°	461.6	462.5	472.4	479.6	485.3	489.2	499.1	510.1	514.9	516.2	521.9
25°	447.7	448.6	458.2	465.4	471.5	475.8	485.3	495.3	501.0	502.5	506.7
27.5°	429.6	431.5	440.6	447.7	452.9	455.8	465.8	476.3	480.6	482.0	486.3
30°	408.7	409.1	418.2	424.3	429.6	431.9	440.6	451.5	454.9	456.3	462.5
32.5°	383.0	382.4	391.0	396.7	401.1	403.9	412.9	420.1	423.4	425.8	429.1
35°	352.0	351.5	357.7	364.4	367.6	368.6	377.7	385.3	387.2	389.1	393.4
37.5°	317.2	317.2	322.5	325.8	329.6	331.0	335.3	343.8	347.2	346.7	350.1
40°	280.5	278.6	282.4	285.8	286.7	287.1	291.5	298.1	300.5	300.5	302.9
42.5°	242.0	239.1	239.6	241.5	242.4	239.1	242.0	246.2	244.8	246.7	247.2
45°	201.0	196.7	194.8	190.5	191.4	188.2	186.2	187.2	186.7	181.9	182.9
47.5°	167.6	160.0	156.6	150.5	149.1	145.3	142.9	138.6	134.7	134.7	132.4
50°	139.6	131.9	125.2	118.1	115.7	112.4	107.1	101.4	98.6	95.7	93.4
52.5°	117.2	109.0	101.0	93.4	90.0	85.8	78.6	72.9	67.6	64.7	61.9
55°	99.1	90.0	81.4	73.3	69.1	64.7	57.6	51.0	44.7	40.9	38.6
57.5°	85.2	76.7	67.6	59.0	55.2	50.4	42.8	35.7	30.0	25.7	23.4
60°	75.3	66.6	58.6	49.5	45.7	40.9	32.9	26.2	20.5	16.7	13.9
62.5°	66.6	59.0	50.4	42.4	38.6	33.8	26.2	19.6	14.3	10.5	8.1
65°	60.5	52.9	45.7	37.7	34.3	29.5	22.4	16.2	11.4	8.1	5.7
67.5°	53.3	46.6	39.6	32.9	29.5	25.7	19.0	13.9	9.5	6.7	4.8
70°	44.7	39.6	33.3	27.2	24.7	21.5	15.8	11.4	7.6	5.3	3.8
72.5°	35.7	31.4	26.7	21.9	20.0	16.7	12.9	9.1	5.7	3.8	2.9
75°	27.2	23.8	20.0	16.7	14.8	12.9	9.5	6.7	4.2	2.9	1.9
77.5°	18.6	17.1	14.3	11.4	10.5	9.1	6.2	4.2	2.9	1.9	1.0
80°	12.9	11.4	9.5	7.6	6.7	5.7	3.8	2.9	1.5	1.0	0.5
82.5°	8.1	6.7	5.7	4.8	4.2	3.3	2.4	1.5	1.0	0.5	0.5
85°	4.2	3.8	3.3	2.4	2.4	1.9	1.5	1.0	0.5	0.0	0.0
87.5°	2.4	1.9	1.5	1.0	1.0	0.5	0.5	0.5	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°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1
2.5°	501.0	501.0	500.6	506.3	499.6	506.3	502.9	506.3	501.5	501.0	501.5
5°	504.8	506.3	506.7	512.0	505.8	513.9	511.0	513.9	510.5	511.5	513.0
7.5°	512.4	514.9	514.4	521.1	514.9	524.0	521.9	526.3	522.9	524.0	525.9
10°	521.1	524.0	524.4	531.0	525.3	536.3	533.9	538.7	535.8	537.3	539.6
12.5°	531.0	534.4	534.8	542.5	536.3	547.7	546.3	551.0	548.7	550.1	552.9
15°	538.7	543.4	544.4	552.0	545.3	557.3	556.3	562.4	558.6	561.1	563.4
17.5°	542.5	546.8	548.7	555.8	550.1	562.0	561.1	566.3	563.4	565.8	568.7
20°	540.1	545.3	546.8	553.9	548.2	560.1	558.6	563.9	561.1	563.0	565.8
22.5°	531.6	536.7	538.7	545.3	540.1	551.0	550.6	555.4	551.6	553.9	556.3
25°	516.2	521.9	522.9	529.1	523.4	534.8	533.9	539.2	536.3	537.7	541.1
27.5°	494.3	501.0	502.5	507.7	503.4	513.0	513.0	517.2	513.9	513.9	517.2
30°	468.2	474.9	475.8	480.1	476.3	484.8	485.3	489.6	484.4	487.3	487.7
32.5°	436.3	440.6	443.4	447.2	441.6	452.5	451.1	454.4	451.5	451.5	453.9
35°	397.7	403.0	404.3	409.1	404.3	412.9	412.9	414.8	411.9	411.9	415.8
37.5°	355.8	359.6	360.0	364.8	361.0	368.2	367.6	369.1	366.3	368.2	368.2
40°	306.7	309.6	310.5	313.0	312.4	317.7	317.2	318.1	316.8	317.2	318.1
42.5°	249.6	253.4	255.3	257.2	254.4	261.4	260.1	261.4	261.0	261.4	262.9
45°	183.8	186.7	188.2	188.6	187.6	192.0	195.2	192.4	192.9	192.0	193.9
47.5°	132.8	133.4	132.4	135.3	132.8	134.7	135.7	136.2	133.4	132.8	134.7
50°	91.0	93.4	90.0	91.5	91.0	92.9	91.9	92.4	89.6	91.0	90.0
52.5°	60.5	60.0	59.0	59.5	58.6	58.6	58.6	59.5	57.6	56.7	55.7
55°	36.7	35.7	33.8	33.3	33.3	33.8	32.9	31.9	31.9	31.4	31.4
57.5°	21.5	20.0	19.0	18.6	17.7	17.1	16.7	16.7	15.8	15.8	15.8
60°	12.0	10.5	9.5	8.6	8.6	8.1	7.6	7.2	7.2	7.2	6.7
62.5°	6.2	5.3	4.2	3.8	3.8	3.3	2.9	2.9	2.9	2.9	2.4
65°	4.2	3.3	2.9	2.4	2.4	1.9	1.9	1.9	1.9	1.9	1.9
67.5°	3.3	2.9	2.4	1.9	1.9	1.9	1.5	1.5	1.5	1.5	1.5
70°	2.9	1.9	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.9	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	498.1	498.1	498.1	498.1	498.1	498.1	498.1	498.1
2.5°	505.8	505.3	505.8	506.7	504.8	510.5	507.7	510.5
5°	516.8	517.2	517.7	519.2	516.8	524.0	520.1	524.4
7.5°	531.0	531.6	532.0	533.5	532.0	539.2	534.8	538.7
10°	545.8	546.8	546.8	549.1	547.7	554.4	551.6	556.3
12.5°	559.6	560.5	561.5	563.0	562.0	569.1	566.8	570.6
15°	570.6	572.5	572.9	574.8	573.9	581.5	578.6	582.4
17.5°	575.8	577.7	577.7	580.1	579.2	587.2	583.4	587.7
20°	572.9	574.4	574.8	577.3	576.3	584.3	580.5	585.8
22.5°	563.9	564.4	564.9	567.2	566.8	573.9	570.6	573.9
25°	547.2	548.7	548.2	550.1	550.1	555.8	552.0	554.8
27.5°	523.4	524.9	524.9	527.2	525.3	531.0	527.2	531.6
30°	494.3	495.8	494.9	496.8	494.9	500.6	497.7	499.1
32.5°	459.6	459.6	460.1	460.6	459.6	464.8	462.0	464.8
35°	418.2	419.1	419.6	420.1	419.1	422.9	419.6	421.5
37.5°	371.5	373.9	373.3	373.9	372.5	377.3	374.3	375.4
40°	321.5	321.5	321.0	321.9	320.6	324.4	322.5	323.4
42.5°	263.4	264.8	262.9	265.3	261.4	266.7	264.8	263.4
45°	197.7	195.8	195.2	195.8	194.3	194.8	196.2	195.2
47.5°	134.7	134.7	133.8	132.4	134.3	134.7	132.8	132.8
50°	90.5	90.5	89.6	89.1	90.0	89.6	88.6	90.0
52.5°	57.6	55.7	55.7	56.7	55.7	54.8	56.2	55.2
55°	31.4	30.5	30.5	31.4	30.5	30.5	30.0	31.0
57.5°	15.2	15.8	15.2	15.2	15.2	15.2	14.8	15.2
60°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
62.5°	2.9	2.9	2.4	2.4	2.4	2.4	2.4	2.4
65°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
67.5°	1.5	1.5	1.5	1.5	1.5	1.9	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)