

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: P843982

Luminaire Tested: **LD6C10DE010B2750 EU6C10B40 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B2750 EU6C10B40 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

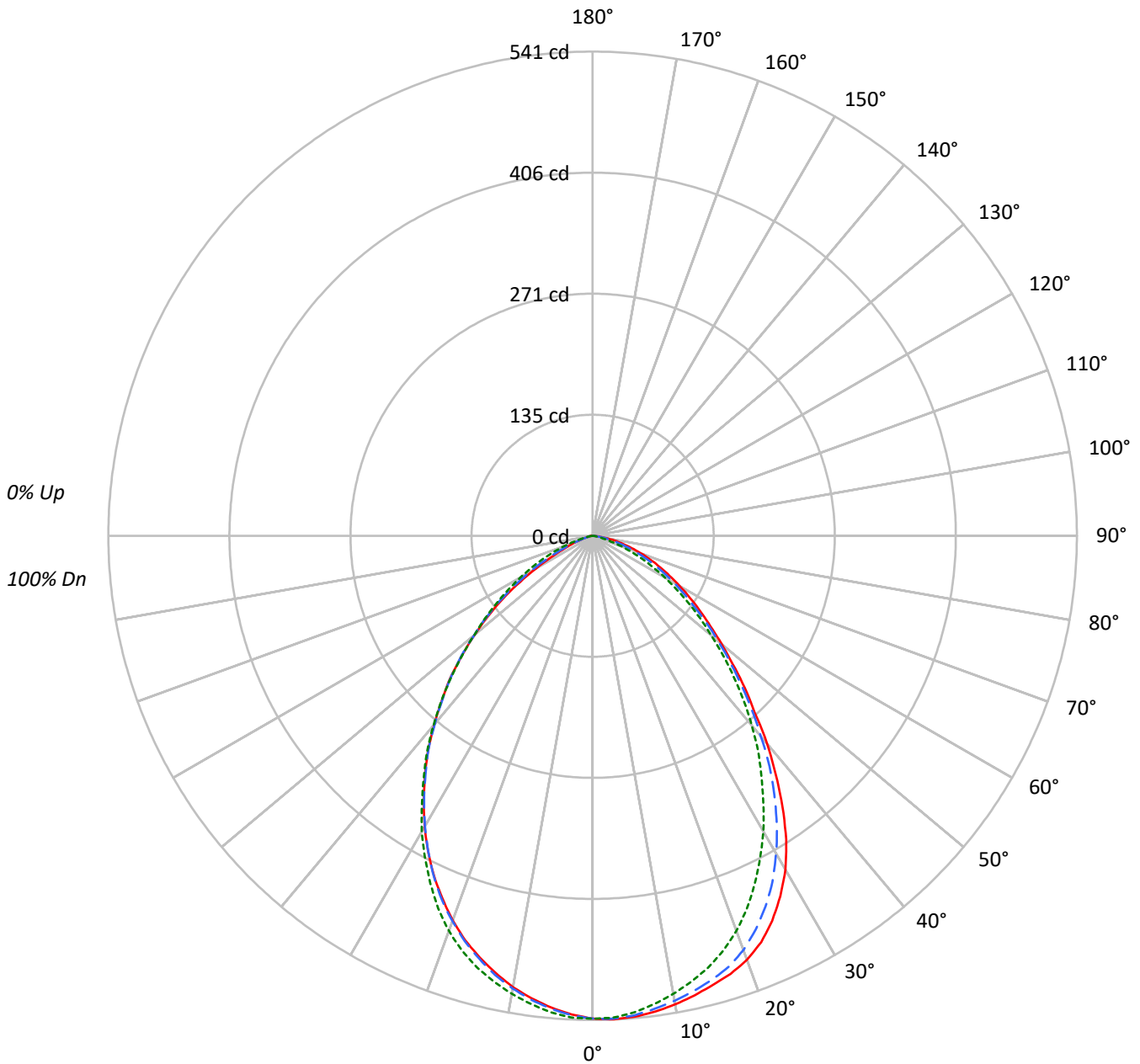
Lumens per Lamp: N/A
Luminaire Lumens: 981.5 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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				
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			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	29581	29581	29581
5°	29683	29413	29122
10°	29592	28935	28512
15°	29478	28337	27679
20°	29414	27407	26672
25°	28701	25937	25368
30°	27270	24156	23750
35°	24755	21991	21850
40°	21712	19794	19687
45°	18622	17296	17436
50°	16025	14737	14669
55°	14011	12444	11689
60°	12313	10208	7982
65°	10766	7900	4799
70°	9184	5321	2821
75°	7413	2754	1546
80°	5146	1105	852
85°	2076	314	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	5.2
10°-20°	141.2	14.4
20°-30°	200.9	20.5
30°-40°	211.5	21.5
40°-50°	176.2	18.0
50°-60°	119.1	12.1
60°-70°	60.4	6.2
70°-80°	19.5	2.0
80°-90°	2.2	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°	392.7	40.0
0°-40°	604.1	61.6
0°-60°	899.4	91.6
0°-90°	981.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	981.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	540	540	540	540	540	
5°	539	538	534	530	529	51
15°	519	514	499	489	488	147
25°	474	457	429	420	419	217
35°	370	354	329	325	326	230
45°	240	234	223	224	225	186
55°	147	140	130	126	122	132
65°	83	75	61	44	37	83
75°	35	27	13	7	7	38
85°	3	2	0	1	1	6
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°	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6
2.5°	540.9	540.9	540.9	540.9	540.9	540.9	540.7	540.7	540.3	540.3	540.1
5°	539.4	539.6	539.6	539.4	539.4	539.1	539.1	538.9	538.3	537.9	537.8
7.5°	536.3	536.3	536.1	535.9	535.8	535.3	535.1	534.5	534.1	533.8	533.0
10°	531.6	531.6	531.5	531.0	530.8	530.5	530.5	529.8	529.0	528.2	527.7
12.5°	526.0	526.2	525.7	525.6	525.1	524.9	524.5	523.6	523.1	521.9	521.1
15°	519.4	519.8	519.8	519.1	518.6	518.3	517.8	517.3	516.0	515.0	513.8
17.5°	513.1	513.5	513.1	512.5	512.0	511.3	510.9	509.9	508.2	506.7	505.1
20°	504.2	504.8	504.1	503.1	502.1	501.8	501.3	499.5	497.2	495.0	492.6
22.5°	491.7	491.4	490.7	490.4	488.6	487.6	486.8	484.4	481.9	479.0	476.1
25°	474.5	475.2	474.1	472.4	471.6	470.4	468.6	466.1	463.8	460.7	457.2
27.5°	454.1	454.1	452.7	452.1	450.1	448.8	447.8	445.3	442.2	439.1	435.3
30°	430.8	429.7	429.7	427.2	425.5	425.0	424.0	419.9	417.1	413.9	410.0
32.5°	402.4	402.3	401.6	399.9	397.8	396.0	396.0	393.0	389.4	385.4	383.1
35°	369.9	370.0	369.6	367.8	367.8	365.6	365.3	362.8	359.8	356.7	353.9
37.5°	336.1	336.9	336.1	335.2	334.6	334.4	332.8	331.0	328.8	327.0	324.8
40°	303.4	302.4	302.7	300.9	301.1	300.7	299.9	297.6	296.3	294.6	292.2
42.5°	268.2	269.4	269.7	268.6	268.2	267.5	268.2	267.4	265.9	264.9	262.8
45°	240.2	239.0	239.6	239.2	239.4	238.0	237.4	237.0	236.5	234.9	233.9
47.5°	212.2	212.4	212.2	211.5	211.1	211.1	210.4	209.3	209.3	208.2	207.5
50°	187.9	187.9	188.3	187.3	187.0	186.2	186.5	185.4	184.7	183.7	183.2
52.5°	165.6	165.7	165.1	165.2	164.9	164.9	164.1	163.4	162.7	161.1	160.7
55°	146.6	146.7	145.8	146.2	145.1	144.6	144.2	143.1	143.1	141.5	139.5
57.5°	128.8	128.6	128.4	127.9	127.1	126.6	126.1	124.8	124.3	123.1	121.5
60°	112.3	112.1	111.7	111.6	111.1	109.8	109.8	108.8	107.0	105.9	104.3
62.5°	96.7	96.7	96.5	95.9	95.4	94.9	94.4	93.8	91.9	90.6	89.3
65°	83.0	82.9	82.4	81.4	81.1	81.1	79.9	79.2	77.8	76.6	74.9
67.5°	70.0	69.3	69.0	69.1	68.0	68.0	66.9	66.0	64.7	62.6	61.3
70°	57.3	56.9	56.6	56.3	56.1	55.3	54.8	53.7	52.5	50.8	48.8
72.5°	45.9	45.9	45.4	44.9	44.4	43.7	43.4	42.4	41.0	39.1	37.8
75°	35.0	35.0	35.0	34.3	34.0	33.5	32.5	31.9	30.2	29.2	27.4
77.5°	25.8	25.4	24.9	24.6	24.3	23.9	23.4	22.5	21.0	19.8	18.7
80°	16.3	16.8	16.3	16.3	15.4	15.0	14.9	13.7	13.2	12.2	11.2
82.5°	9.1	9.2	8.9	8.7	8.1	7.9	7.9	7.3	6.9	6.1	5.6
85°	3.3	3.5	3.3	3.3	2.9	3.1	2.9	2.7	2.3	2.0	1.8
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6
2.5°	540.1	539.8	539.8	539.6	539.4	539.4	539.4	539.2	538.9	538.9	538.7
5°	537.4	537.1	536.5	536.1	535.9	535.8	535.6	535.4	534.6	534.5	534.0
7.5°	532.5	532.1	531.2	530.8	530.3	530.2	529.5	529.0	528.3	527.7	527.2
10°	526.7	525.7	525.1	524.2	523.8	523.2	522.4	521.3	520.7	519.8	519.1
12.5°	520.1	519.1	517.6	516.5	516.2	515.3	513.8	513.0	511.7	510.2	508.9
15°	512.0	510.7	509.5	507.5	506.9	505.9	504.4	502.6	500.8	499.3	497.8
17.5°	503.1	501.1	499.1	497.0	495.3	494.8	492.4	489.9	488.2	485.7	484.1
20°	490.6	487.9	484.6	482.5	481.0	479.3	476.7	473.9	471.9	469.8	467.4
22.5°	473.4	470.9	467.1	463.8	462.7	460.3	458.0	455.4	452.9	450.6	447.6
25°	453.1	450.3	446.5	443.3	441.5	440.4	435.9	433.3	430.8	428.8	426.8
27.5°	432.3	427.3	424.7	419.7	418.1	417.7	413.5	410.8	408.1	405.4	402.9
30°	406.4	402.6	398.8	395.2	393.0	391.7	388.7	385.2	383.4	381.6	379.1
32.5°	379.8	376.3	371.7	368.2	366.6	364.8	362.0	359.7	357.0	354.9	354.4
35°	351.3	347.5	343.5	341.0	340.7	338.4	335.7	333.7	331.8	328.6	328.1
37.5°	320.9	318.7	315.9	312.3	310.7	310.7	308.0	306.5	304.0	303.8	302.4
40°	291.0	290.0	285.9	284.7	284.4	281.9	281.1	278.6	276.8	276.6	274.5
42.5°	261.3	259.0	258.3	256.5	254.8	254.5	252.9	251.7	251.0	249.9	248.9
45°	231.9	231.4	229.6	228.3	227.8	227.1	226.5	224.3	224.0	223.1	222.5
47.5°	206.6	205.2	203.5	202.0	201.9	200.7	199.5	199.5	197.6	197.4	196.9
50°	181.4	180.3	179.4	177.4	177.8	176.3	176.1	174.5	173.6	172.8	173.8
52.5°	159.3	157.1	156.7	155.0	154.5	154.7	152.7	152.2	151.8	151.1	150.7
55°	138.2	137.1	135.7	134.5	133.7	132.7	132.0	132.0	130.1	130.2	129.3
57.5°	119.7	118.8	117.0	115.4	115.0	113.9	113.0	112.1	111.9	110.6	109.8
60°	103.2	101.5	99.2	98.5	97.4	96.5	95.6	94.4	93.9	93.1	91.4
62.5°	87.8	85.0	84.2	82.7	81.4	80.9	79.4	78.2	77.3	76.0	74.8
65°	73.1	71.1	69.5	67.8	67.7	66.2	64.9	63.9	62.0	60.9	58.6
67.5°	59.7	57.9	56.1	54.4	53.1	52.8	50.8	49.5	48.2	46.1	44.1
70°	47.4	45.5	44.1	42.1	41.6	40.1	38.6	37.3	35.2	33.2	31.5
72.5°	36.1	34.1	32.5	31.0	30.1	28.9	27.4	25.9	23.8	21.8	20.3
75°	25.8	24.3	22.6	21.3	20.5	19.8	18.1	16.5	15.0	13.0	11.7
77.5°	17.5	16.0	14.5	13.2	12.4	11.7	10.7	9.4	8.1	7.1	6.1
80°	10.2	9.2	8.1	7.1	6.9	6.3	5.4	4.8	4.0	3.5	2.7
82.5°	4.9	4.3	3.6	3.1	2.7	2.5	2.2	1.8	1.5	1.3	1.3
85°	1.5	1.3	1.1	1.0	0.7	0.7	0.5	0.5	0.5	0.5	0.5
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6
2.5°	538.1	537.9	537.8	537.6	537.3	537.3	536.6	536.3	536.3	535.9	535.8
5°	533.4	532.8	532.7	532.3	532.0	531.8	531.0	530.8	530.5	530.2	530.2
7.5°	526.7	526.0	525.2	524.9	524.7	524.2	523.8	523.6	523.1	522.7	521.9
10°	517.8	517.3	516.3	516.0	515.6	515.3	514.3	513.8	513.7	513.3	513.0
12.5°	507.5	506.7	505.9	505.1	504.8	504.2	503.3	502.8	502.8	502.1	502.1
15°	496.5	495.3	493.7	493.0	492.8	491.7	491.0	490.2	489.4	488.9	488.9
17.5°	482.3	480.5	479.0	479.0	478.3	477.2	476.1	475.5	475.0	474.2	473.9
20°	465.6	464.3	462.7	462.7	461.0	460.7	459.6	459.4	458.2	458.4	457.7
22.5°	445.5	444.7	443.8	443.0	442.2	441.1	440.5	440.7	440.2	440.0	439.9
25°	425.2	423.2	422.1	421.7	421.4	420.4	420.1	419.9	419.9	419.4	419.6
27.5°	401.7	400.3	398.8	399.4	398.6	398.1	397.8	397.2	397.6	397.4	397.6
30°	377.8	376.0	375.0	375.5	375.2	373.8	374.5	374.4	374.5	374.5	374.9
32.5°	352.6	351.3	351.1	351.3	349.7	349.9	349.1	350.2	350.4	351.5	350.6
35°	327.0	326.3	325.0	324.8	325.0	324.8	324.8	325.5	325.4	326.5	326.1
37.5°	300.7	300.4	299.1	299.4	298.7	299.9	300.4	299.9	301.2	300.9	300.7
40°	275.0	274.5	273.7	275.1	274.2	273.5	274.8	273.7	274.0	275.1	275.1
42.5°	248.9	247.9	247.9	247.9	247.8	247.8	248.3	248.9	248.4	248.6	250.1
45°	222.5	222.3	221.8	222.2	222.0	222.9	222.9	223.3	224.0	224.7	224.3
47.5°	197.1	196.8	197.4	196.9	197.1	196.6	196.9	198.1	198.9	197.7	198.9
50°	173.3	172.7	172.5	173.0	172.8	172.7	173.0	173.0	172.7	172.7	174.0
52.5°	150.7	150.0	149.4	150.4	149.8	150.0	149.2	149.2	149.7	149.2	148.7
55°	129.5	128.9	128.2	128.6	127.7	127.6	126.8	126.8	126.3	125.9	124.8
57.5°	109.1	108.8	107.1	107.0	107.1	105.9	104.6	104.1	102.7	102.3	102.1
60°	91.3	89.3	88.3	87.3	86.5	86.0	84.5	83.7	81.4	80.2	80.0
62.5°	72.6	71.6	70.5	69.0	68.5	66.7	65.3	62.9	61.9	60.2	58.6
65°	57.5	55.1	53.5	52.6	51.2	49.5	47.9	45.4	44.1	42.1	40.4
67.5°	42.1	40.1	37.9	37.2	36.0	34.0	32.3	30.1	29.0	27.2	26.7
70°	28.9	27.1	25.4	24.3	23.4	21.4	19.8	19.0	18.0	17.6	17.6
72.5°	18.5	16.8	15.0	14.5	13.7	12.7	11.6	11.2	11.6	11.4	11.4
75°	10.4	9.4	8.1	7.6	7.6	7.3	7.1	7.1	7.1	7.1	7.1
77.5°	5.3	4.8	4.3	4.1	4.1	4.1	4.3	4.3	4.3	4.5	4.3
80°	2.5	2.3	2.3	2.3	2.5	2.5	2.5	2.5	2.5	2.7	2.5
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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°	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6
2.5°	535.6	535.3	535.3	535.1	535.1	535.1	535.1	535.3
5°	529.8	529.6	529.6	529.2	529.2	529.2	529.2	529.2
7.5°	521.9	521.6	521.8	521.4	521.4	521.6	521.4	521.3
10°	512.4	512.2	512.4	512.4	512.0	511.8	512.0	512.2
12.5°	501.5	501.3	501.0	501.1	501.1	501.0	500.8	500.4
15°	488.8	488.6	488.4	488.2	488.1	488.2	488.1	487.7
17.5°	473.9	473.9	473.7	473.6	473.4	473.0	473.2	473.7
20°	458.0	457.7	457.4	457.6	456.9	456.5	456.7	457.2
22.5°	439.7	439.1	439.4	438.9	438.9	439.1	438.9	438.6
25°	419.7	418.9	419.4	419.6	419.6	419.4	419.1	419.4
27.5°	397.6	398.1	398.1	397.8	398.3	397.6	397.9	398.1
30°	374.9	374.4	374.2	374.9	376.0	375.0	375.0	375.2
32.5°	351.5	350.8	350.8	351.1	350.9	350.9	351.7	350.8
35°	326.5	326.8	325.4	326.3	326.7	326.3	326.5	326.5
37.5°	301.2	300.9	300.9	300.9	301.4	301.4	301.8	301.6
40°	276.4	275.7	275.5	275.8	275.1	275.7	275.7	275.1
42.5°	249.6	249.7	250.7	249.7	249.9	249.7	249.4	249.2
45°	224.7	225.3	224.9	224.7	224.9	224.2	224.3	224.9
47.5°	198.4	199.5	198.4	199.2	198.9	198.6	198.2	197.6
50°	173.8	174.1	174.0	173.8	173.6	173.3	172.5	172.0
52.5°	148.5	148.5	148.5	148.5	146.7	147.6	147.2	146.2
55°	123.8	124.4	123.7	123.7	122.5	122.5	122.1	122.3
57.5°	100.2	99.5	99.0	99.0	97.7	97.2	96.7	95.9
60°	77.9	77.4	76.7	75.8	74.6	74.6	74.1	72.8
62.5°	57.1	56.3	55.6	55.0	53.8	53.1	52.6	53.0
65°	39.1	38.3	37.5	37.5	37.5	37.2	37.0	37.0
67.5°	25.8	26.3	25.9	26.3	26.3	25.9	25.8	26.1
70°	17.8	17.8	17.6	17.6	17.6	17.6	17.5	17.6
72.5°	11.4	11.4	11.4	11.6	11.4	11.4	11.6	11.6
75°	7.3	7.3	7.3	7.4	7.3	7.3	7.4	7.3
77.5°	4.3	4.5	4.5	4.5	4.5	4.3	4.5	4.5
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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)