

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: P843931

Luminaire Tested: **LD6C10DE010B2750 EU6C10B27 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843931
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 EU6C10B27 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

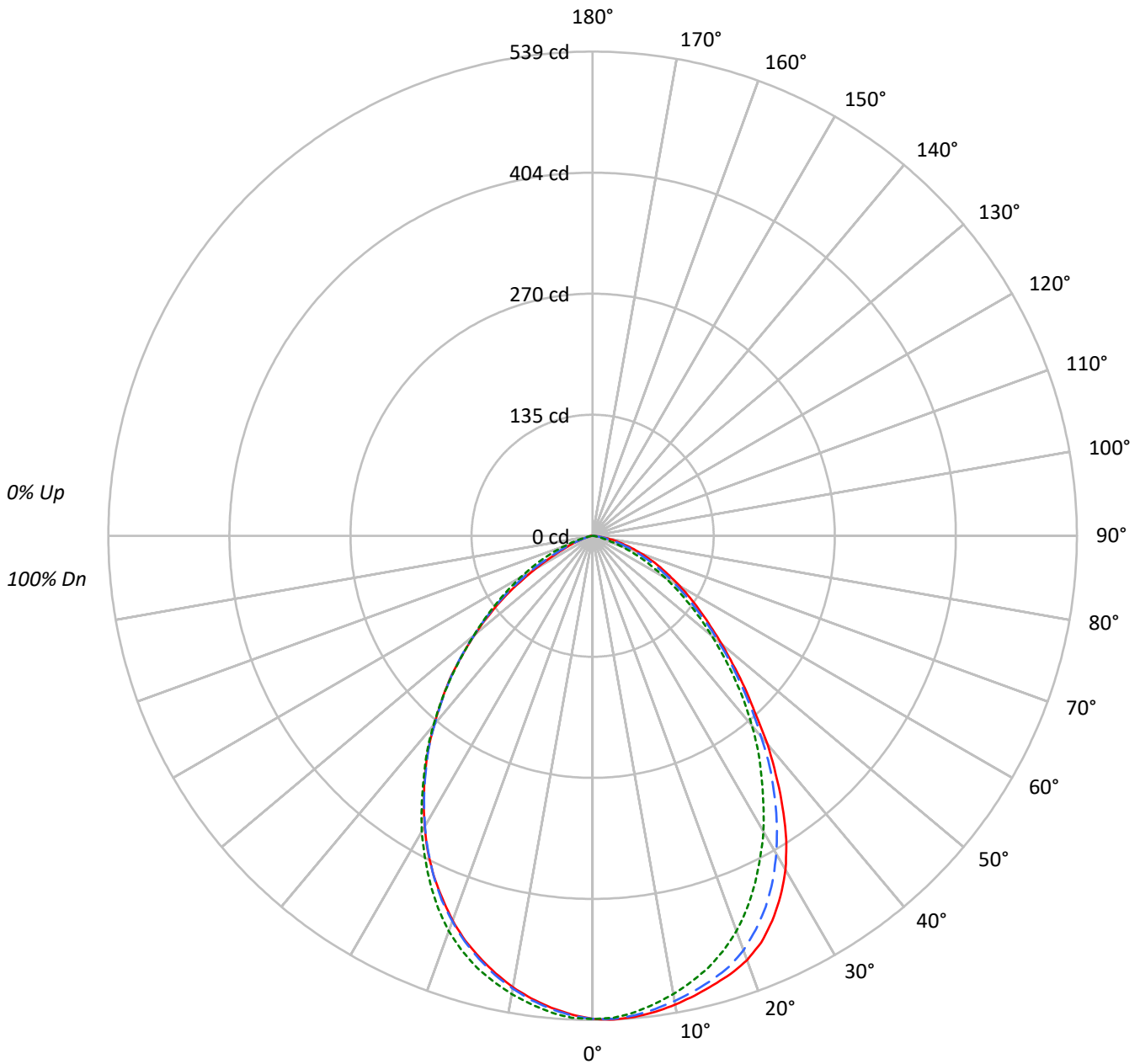
Lumens per Lamp: N/A
Luminaire Lumens: 978.3 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	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	41	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°	29482	29482	29482
5°	29589	29314	29028
10°	29497	28840	28417
15°	29387	28246	27588
20°	29321	27314	26585
25°	28611	25852	25284
30°	27181	24073	23681
35°	24668	21917	21777
40°	21648	19730	19622
45°	18552	17234	17382
50°	15974	14695	14609
55°	13964	12406	11641
60°	12269	10175	7938
65°	10740	7874	4787
70°	9152	5305	2821
75°	7392	2754	1525
80°	5146	1073	852
85°	2076	314	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	5.2
10°-20°	140.7	14.4
20°-30°	200.3	20.5
30°-40°	210.8	21.5
40°-50°	175.7	18.0
50°-60°	118.7	12.1
60°-70°	60.2	6.2
70°-80°	19.4	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°	391.4	40.0
0°-40°	602.2	61.6
0°-60°	896.5	91.6
0°-90°	978.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	978.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	538	538	538	538	538	
5°	538	536	533	529	528	51
15°	518	512	498	488	486	146
25°	473	456	427	418	418	217
35°	369	353	328	324	325	229
45°	239	233	222	223	224	185
55°	146	139	130	126	122	132
65°	83	75	61	44	37	82
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°	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8
2.5°	539.1	539.1	539.1	539.1	539.1	539.1	539.0	539.0	538.5	538.5	538.3
5°	537.7	537.8	537.8	537.7	537.7	537.3	537.3	537.1	536.5	536.2	536.0
7.5°	534.6	534.6	534.4	534.2	534.0	533.5	533.4	532.7	532.4	532.1	531.4
10°	529.9	529.9	529.7	529.3	529.1	528.8	528.8	528.1	527.3	526.5	525.9
12.5°	524.3	524.5	524.1	524.0	523.4	523.2	522.8	521.9	521.4	520.3	519.4
15°	517.8	518.1	518.1	517.4	516.9	516.7	516.1	515.6	514.3	513.3	512.2
17.5°	511.5	511.8	511.5	510.9	510.3	509.7	509.3	508.2	506.6	505.1	503.5
20°	502.6	503.1	502.4	501.5	500.4	500.3	499.7	497.9	495.5	493.4	491.1
22.5°	490.1	489.8	489.2	488.8	487.0	486.0	485.2	482.9	480.4	477.4	474.6
25°	473.0	473.6	472.6	471.0	470.0	469.0	467.2	464.6	462.3	459.2	455.7
27.5°	452.7	452.7	451.3	450.7	448.8	447.3	446.3	443.8	440.7	437.6	433.8
30°	429.4	428.2	428.2	425.8	424.1	423.6	422.6	418.5	415.8	412.6	408.8
32.5°	401.2	400.9	400.2	398.6	396.5	394.7	394.7	391.7	388.2	384.1	381.8
35°	368.6	368.8	368.5	366.7	366.7	364.5	364.1	361.6	358.6	355.6	352.7
37.5°	335.0	335.7	335.0	334.1	333.6	333.4	331.8	330.0	327.8	326.0	323.7
40°	302.5	301.3	301.7	299.9	300.2	299.7	299.0	296.7	295.4	293.6	291.3
42.5°	267.4	268.4	268.9	267.8	267.4	266.6	267.4	266.5	265.0	264.1	262.0
45°	239.3	238.3	238.8	238.5	238.6	237.2	236.7	236.3	235.7	234.2	233.2
47.5°	211.5	211.7	211.5	210.8	210.5	210.5	209.7	208.7	208.7	207.5	206.8
50°	187.3	187.3	187.6	186.8	186.4	185.6	185.8	184.8	184.0	183.2	182.5
52.5°	165.1	165.2	164.6	164.7	164.4	164.4	163.6	162.9	162.1	160.5	160.1
55°	146.1	146.3	145.3	145.7	144.6	144.0	143.7	142.7	142.7	141.0	139.0
57.5°	128.4	128.2	128.0	127.4	126.7	126.2	125.6	124.4	123.8	122.8	121.1
60°	111.9	111.7	111.4	111.2	110.6	109.4	109.4	108.5	106.7	105.6	104.0
62.5°	96.4	96.4	96.1	95.6	95.1	94.6	94.2	93.5	91.7	90.4	88.9
65°	82.8	82.6	82.1	81.1	80.8	80.8	79.5	79.0	77.5	76.3	74.7
67.5°	69.8	69.1	68.7	68.9	67.8	67.8	66.7	65.8	64.5	62.4	61.1
70°	57.1	56.8	56.4	56.1	55.8	55.1	54.6	53.5	52.2	50.7	48.7
72.5°	45.7	45.7	45.2	44.8	44.3	43.6	43.3	42.3	40.8	39.0	37.7
75°	34.9	34.9	34.9	34.2	33.8	33.4	32.4	31.8	30.1	29.1	27.3
77.5°	25.7	25.3	24.7	24.5	24.2	23.9	23.4	22.4	20.9	19.7	18.6
80°	16.3	16.8	16.3	16.3	15.3	15.0	14.8	13.7	13.2	12.2	11.2
82.5°	9.0	9.2	8.9	8.7	8.1	7.9	7.9	7.2	6.9	6.1	5.6
85°	3.3	3.4	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°	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8
2.5°	538.3	538.0	538.0	537.8	537.7	537.7	537.7	537.5	537.1	537.1	537.0
5°	535.7	535.3	534.7	534.4	534.2	534.0	533.9	533.7	532.9	532.7	532.2
7.5°	530.8	530.4	529.6	529.1	528.6	528.4	527.8	527.3	526.6	525.9	525.5
10°	525.0	524.1	523.4	522.5	522.2	521.5	520.7	519.6	519.1	518.1	517.4
12.5°	518.5	517.4	515.9	514.9	514.5	513.6	512.2	511.3	510.0	508.5	507.2
15°	510.3	509.1	507.9	505.9	505.3	504.2	502.8	501.0	499.2	497.7	496.2
17.5°	501.5	499.5	497.5	495.4	493.7	493.2	490.8	488.3	486.7	484.2	482.5
20°	489.0	486.3	483.0	480.9	479.4	477.8	475.1	472.4	470.4	468.2	465.9
22.5°	471.8	469.3	465.6	462.3	461.2	458.8	456.5	453.9	451.4	449.1	446.2
25°	451.6	448.9	445.1	441.9	440.1	438.9	434.5	431.9	429.4	427.4	425.4
27.5°	430.8	425.9	423.4	418.3	416.7	416.4	412.2	409.5	406.8	404.0	401.5
30°	405.2	401.4	397.6	394.0	391.7	390.5	387.4	384.0	382.2	380.3	377.9
32.5°	378.5	375.1	370.4	367.0	365.4	363.5	360.9	358.5	355.8	353.8	353.2
35°	350.2	346.4	342.4	339.9	339.5	337.4	334.6	332.6	330.6	327.5	327.0
37.5°	319.8	317.6	315.0	311.3	309.7	309.7	306.9	305.6	303.0	302.8	301.3
40°	290.0	289.1	284.9	283.9	283.4	280.9	280.2	277.7	275.8	275.7	273.5
42.5°	260.5	258.2	257.4	255.6	254.0	253.6	252.0	251.0	250.2	249.1	248.0
45°	231.2	230.7	228.9	227.6	227.1	226.3	225.8	223.6	223.3	222.3	221.8
47.5°	205.9	204.4	202.9	201.4	201.3	200.1	198.8	198.8	196.8	196.7	196.3
50°	180.7	179.7	178.8	176.8	177.2	175.7	175.6	173.9	173.0	172.3	173.2
52.5°	158.8	156.5	156.2	154.5	154.0	154.2	152.2	151.7	151.3	150.6	150.2
55°	137.8	136.6	135.3	134.1	133.3	132.3	131.6	131.6	129.7	129.8	128.9
57.5°	119.3	118.5	116.7	115.0	114.6	113.5	112.6	111.7	111.6	110.3	109.4
60°	102.9	101.2	98.9	98.1	97.1	96.1	95.3	94.2	93.6	92.8	91.2
62.5°	87.5	84.8	83.9	82.4	81.1	80.6	79.2	77.9	77.0	75.7	74.5
65°	72.9	70.9	69.3	67.6	67.5	66.0	64.7	63.7	61.9	60.7	58.4
67.5°	59.4	57.6	55.8	54.3	53.0	52.6	50.7	49.4	48.1	45.9	43.9
70°	47.2	45.4	43.9	42.0	41.4	40.0	38.5	37.2	35.1	33.1	31.4
72.5°	36.0	34.0	32.4	30.9	30.0	28.8	27.3	25.8	23.7	21.7	20.2
75°	25.7	24.2	22.6	21.2	20.4	19.7	18.1	16.5	15.0	13.0	11.7
77.5°	17.3	15.9	14.5	13.2	12.3	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	4.7	4.0	3.4	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°	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8
2.5°	536.4	536.2	536.0	535.8	535.5	535.5	535.0	534.6	534.6	534.2	534.0
5°	531.7	531.1	530.9	530.6	530.3	530.1	529.3	529.1	528.8	528.4	528.4
7.5°	525.0	524.3	523.5	523.2	523.0	522.5	522.2	521.9	521.4	521.0	520.3
10°	516.1	515.6	514.8	514.3	514.0	513.6	512.7	512.2	512.0	511.6	511.3
12.5°	505.9	505.1	504.2	503.5	503.1	502.6	501.6	501.1	501.1	500.4	500.4
15°	494.8	493.7	492.1	491.4	491.2	490.1	489.4	488.6	487.8	487.4	487.4
17.5°	480.7	478.9	477.4	477.4	476.8	475.6	474.6	474.0	473.5	472.8	472.4
20°	464.1	462.8	461.2	461.2	459.5	459.2	458.1	458.0	456.7	456.9	456.3
22.5°	444.0	443.3	442.4	441.7	440.7	439.7	439.1	439.3	438.8	438.6	438.4
25°	423.8	421.8	420.7	420.3	420.0	419.0	418.7	418.5	418.5	418.0	418.2
27.5°	400.4	399.0	397.6	398.1	397.4	396.8	396.5	395.9	396.3	396.1	396.3
30°	376.6	374.7	373.9	374.2	374.1	372.6	373.3	373.1	373.3	373.3	373.7
32.5°	351.5	350.2	350.0	350.2	348.6	348.7	348.0	349.1	349.2	350.4	349.4
35°	326.0	325.2	324.0	323.7	324.0	323.7	323.7	324.5	324.4	325.4	325.0
37.5°	299.7	299.4	298.1	298.5	297.7	299.0	299.4	299.0	300.3	299.9	299.7
40°	274.0	273.5	272.8	274.2	273.4	272.7	273.9	272.8	273.2	274.2	274.2
42.5°	248.0	247.2	247.2	247.2	247.0	247.0	247.5	248.0	247.7	247.9	249.3
45°	221.8	221.7	221.2	221.5	221.3	222.2	222.2	222.5	223.3	224.0	223.6
47.5°	196.5	196.2	196.7	196.3	196.5	196.0	196.3	197.5	198.3	197.0	198.3
50°	172.8	172.1	172.0	172.5	172.3	172.1	172.5	172.5	172.1	172.1	173.3
52.5°	150.2	149.5	149.0	149.9	149.3	149.5	148.8	148.8	149.1	148.8	148.3
55°	129.0	128.5	127.9	128.2	127.2	127.1	126.4	126.4	125.9	125.4	124.4
57.5°	108.8	108.5	106.8	106.7	106.8	105.6	104.3	103.8	102.3	102.0	101.7
60°	91.0	88.9	88.0	86.9	86.2	85.7	84.3	83.3	81.1	80.0	79.7
62.5°	72.3	71.4	70.3	68.7	68.3	66.5	65.0	62.7	61.7	60.1	58.4
65°	57.3	55.0	53.3	52.5	51.0	49.4	47.7	45.2	43.9	42.0	40.3
67.5°	42.0	40.0	37.8	37.0	35.7	33.8	32.2	30.0	28.9	27.1	26.5
70°	28.8	27.0	25.3	24.2	23.4	21.4	19.7	18.9	17.9	17.6	17.6
72.5°	18.4	16.8	15.0	14.5	13.7	12.7	11.5	11.2	11.5	11.4	11.4
75°	10.3	9.4	8.1	7.6	7.6	7.2	7.1	7.1	7.1	7.1	7.1
77.5°	5.3	4.7	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°	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8
2.5°	533.9	533.5	533.5	533.4	533.4	533.4	533.4	533.5
5°	528.1	527.9	527.9	527.5	527.5	527.5	527.5	527.5
7.5°	520.3	519.9	520.1	519.7	519.7	519.9	519.7	519.6
10°	510.7	510.5	510.7	510.7	510.3	510.2	510.3	510.5
12.5°	499.8	499.7	499.3	499.5	499.5	499.3	499.2	498.8
15°	487.3	487.0	486.8	486.7	486.5	486.7	486.5	486.1
17.5°	472.4	472.4	472.2	472.0	471.8	471.5	471.7	472.2
20°	456.5	456.3	455.9	456.2	455.4	455.0	455.2	455.7
22.5°	438.2	437.6	438.1	437.5	437.5	437.6	437.5	437.1
25°	418.3	417.7	418.0	418.2	418.2	418.0	417.8	418.0
27.5°	396.3	396.8	396.8	396.5	397.0	396.3	396.6	396.8
30°	373.7	373.1	372.9	373.7	374.7	373.9	373.9	374.1
32.5°	350.4	349.7	349.7	350.0	349.9	349.9	350.5	349.7
35°	325.4	325.8	324.4	325.2	325.6	325.2	325.4	325.4
37.5°	300.3	299.9	299.9	299.9	300.5	300.5	300.8	300.7
40°	275.5	274.8	274.6	275.0	274.2	274.8	274.8	274.2
42.5°	248.8	249.0	249.8	249.0	249.1	249.0	248.5	248.4
45°	224.0	224.5	224.2	224.0	224.2	223.5	223.6	224.2
47.5°	197.8	198.8	197.8	198.5	198.3	198.0	197.6	196.8
50°	173.2	173.6	173.3	173.2	173.0	172.8	172.0	171.3
52.5°	148.1	148.1	148.1	148.1	146.3	147.1	146.8	145.7
55°	123.4	124.1	123.3	123.3	122.1	122.1	121.6	121.8
57.5°	99.8	99.2	98.7	98.7	97.4	96.9	96.4	95.6
60°	77.7	77.2	76.5	75.6	74.4	74.4	73.9	72.4
62.5°	56.9	56.1	55.5	54.8	53.7	53.0	52.5	52.8
65°	39.0	38.2	37.4	37.4	37.4	37.0	36.9	36.9
67.5°	25.7	26.2	25.8	26.2	26.2	25.8	25.7	26.0
70°	17.8	17.8	17.6	17.6	17.6	17.6	17.3	17.6
72.5°	11.4	11.4	11.4	11.5	11.4	11.4	11.5	11.5
75°	7.2	7.2	7.2	7.4	7.2	7.2	7.4	7.2
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)