

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: P844068

Luminaire Tested: **LD6C15DE010B40 EU6C15B40 6LBLWWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C15DE010B40 EU6C15B40 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

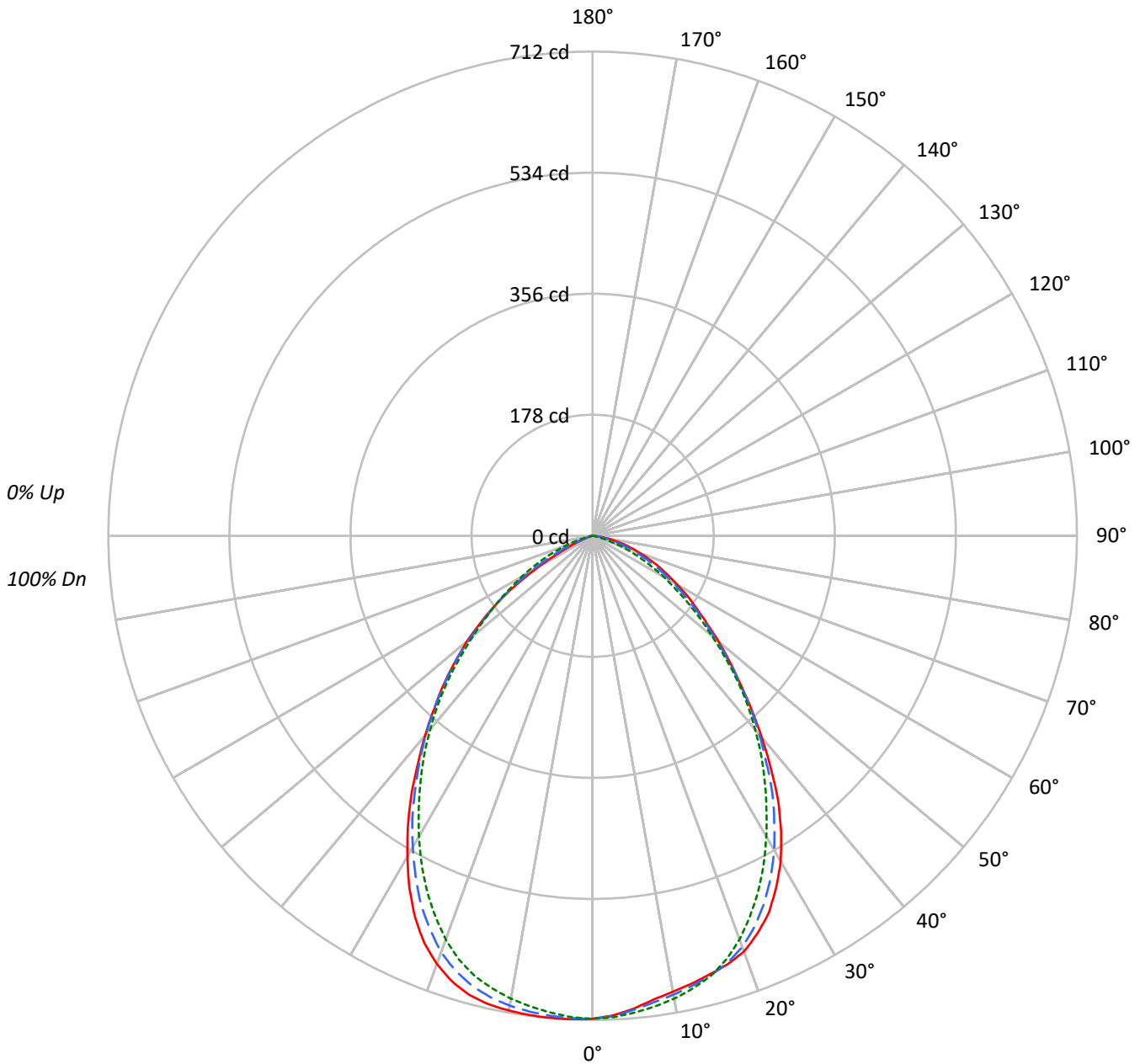
Lumens per Lamp: N/A
Luminaire Lumens: 1306.2 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 17
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	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89																			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78																			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69																			
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61																			
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54																			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																			
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44																			
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	38933	38933	38933
5°	38400	38735	39159
10°	37892	38476	39467
15°	37872	38031	39682
20°	37961	36858	39081
25°	37030	34853	37399
30°	35005	32315	34486
35°	31829	29520	31059
40°	27673	26578	27423
45°	23723	23305	24049
50°	20571	19530	20511
55°	17854	16238	16143
60°	15711	13146	10218
65°	13789	9988	4903
70°	11845	6604	1795
75°	9637	2775	487
80°	6503	663	221
85°	2642	126	126



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	5.1
10°-20°	190.5	14.6
20°-30°	273.0	20.9
30°-40°	284.5	21.8
40°-50°	235.7	18.0
50°-60°	156.3	12.0
60°-70°	75.7	5.8
70°-80°	21.4	1.6
80°-90°	2.1	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°	530.5	40.6
0°-40°	815.0	62.4
0°-60°	1207.0	92.4
0°-90°	1306.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	710	710	710	710	710	
5°	698	700	704	709	712	66
15°	667	670	670	685	699	189
25°	612	597	576	597	618	280
35°	476	461	441	455	464	295
45°	306	305	301	308	310	238
55°	187	181	170	167	169	169
65°	106	96	77	53	38	106
75°	46	35	13	2	2	49
85°	4	2	0	0	0	7
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°	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2
2.5°	705.8	706.0	706.5	706.0	706.2	706.5	706.5	706.7	706.7	706.9	707.1
5°	697.8	698.5	698.5	698.5	698.5	698.7	699.0	699.0	698.7	698.7	699.6
7.5°	687.7	688.4	688.2	688.4	688.6	689.4	689.2	689.6	690.0	690.7	691.7
10°	680.7	680.9	680.7	681.3	681.9	682.3	682.3	682.8	683.2	684.0	685.1
12.5°	674.3	674.6	674.8	675.3	675.7	675.5	675.9	676.5	676.7	677.1	677.8
15°	667.3	668.4	668.2	668.4	668.7	669.0	669.2	669.4	669.2	669.2	669.6
17.5°	660.7	660.9	661.2	661.2	661.2	661.2	660.7	660.7	660.0	659.3	658.8
20°	650.7	650.3	649.9	649.9	649.0	649.2	648.3	647.8	646.6	644.9	643.4
22.5°	633.0	634.2	633.7	632.0	631.2	631.2	630.2	628.1	626.2	624.3	622.2
25°	612.2	611.6	611.0	610.0	608.7	607.7	606.2	604.9	601.8	598.5	596.6
27.5°	584.2	585.0	583.3	581.9	581.2	579.8	578.3	576.5	572.7	570.0	566.7
30°	553.0	552.5	552.3	550.4	548.6	549.0	546.3	544.2	541.3	536.6	534.0
32.5°	515.5	516.2	514.8	514.5	511.0	510.5	510.5	507.2	504.9	500.5	497.0
35°	475.6	475.1	474.7	473.0	472.8	471.4	470.2	467.9	464.8	463.3	460.6
37.5°	429.6	429.8	430.0	430.0	429.2	428.2	427.3	427.3	423.1	422.3	419.0
40°	386.7	387.4	387.1	385.5	385.7	385.9	385.7	385.5	382.9	382.0	381.5
42.5°	344.9	346.1	344.9	344.7	344.9	344.9	344.5	345.1	343.9	344.9	342.8
45°	306.0	306.9	306.2	306.0	305.4	306.6	305.2	306.4	305.8	304.6	305.0
47.5°	272.4	271.5	272.4	271.9	271.3	270.3	271.7	271.0	269.4	269.2	269.6
50°	241.2	240.7	241.2	240.9	239.8	239.8	239.6	239.1	238.6	237.2	236.3
52.5°	211.4	213.0	211.8	213.0	211.4	210.7	210.9	210.3	209.3	208.8	207.0
55°	186.8	187.0	187.0	187.0	186.0	185.6	185.1	184.7	184.7	182.5	180.6
57.5°	165.4	165.0	164.7	164.0	163.5	163.1	162.6	161.2	159.8	157.9	156.5
60°	143.3	143.8	143.8	142.9	142.1	141.5	141.2	140.3	138.7	136.8	134.6
62.5°	124.4	124.8	123.6	123.6	122.3	122.1	122.1	120.6	118.8	116.7	114.2
65°	106.3	106.1	106.5	104.9	105.1	103.8	103.2	102.5	100.7	98.0	95.9
67.5°	89.2	89.6	88.9	88.4	87.5	87.0	86.6	84.5	83.6	81.2	78.8
70°	73.9	73.4	73.0	73.0	72.0	71.3	71.1	68.7	67.6	65.7	63.1
72.5°	59.5	59.1	58.7	58.0	57.2	57.0	55.6	54.2	52.8	50.4	48.5
75°	45.5	45.3	44.8	44.3	43.2	42.7	42.5	40.8	38.3	36.4	34.7
77.5°	32.9	33.1	32.2	31.2	30.5	29.8	29.3	27.9	26.2	24.1	22.5
80°	20.6	20.8	20.6	20.0	19.0	18.7	18.1	17.1	15.8	14.3	13.1
82.5°	11.0	11.0	10.8	10.6	9.8	9.8	9.4	8.7	7.9	7.3	6.3
85°	4.2	4.2	4.0	3.7	3.5	3.5	3.3	3.1	2.5	2.3	1.9
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2
2.5°	707.1	707.5	707.7	707.9	707.9	707.9	708.1	708.3	708.3	708.6	708.8
5°	700.2	700.4	701.1	701.3	701.7	701.5	702.3	702.9	703.4	703.9	704.6
7.5°	692.1	692.9	693.8	694.5	694.8	695.0	695.7	696.7	697.3	698.2	699.0
10°	685.6	686.3	687.3	688.2	688.2	688.6	689.2	689.8	690.5	691.2	692.1
12.5°	678.3	679.2	679.5	680.0	680.0	680.2	680.7	680.9	681.6	681.9	683.2
15°	669.6	669.6	669.6	669.6	669.6	669.4	669.0	669.4	669.4	670.1	670.8
17.5°	657.6	657.6	656.3	655.5	655.8	654.6	654.4	653.4	653.4	653.4	654.1
20°	642.0	639.9	638.2	636.1	635.1	634.7	634.2	632.0	631.8	631.8	631.8
22.5°	619.7	617.3	615.0	613.3	610.8	609.8	608.9	607.5	605.8	604.9	607.0
25°	592.5	589.6	586.8	583.5	582.9	581.6	579.3	577.9	577.2	576.2	576.7
27.5°	563.6	559.6	556.5	553.2	552.1	550.7	548.6	546.5	544.2	544.6	544.6
30°	530.5	525.7	522.5	518.6	518.3	516.9	515.0	512.4	510.5	510.5	511.7
32.5°	494.5	491.3	488.3	483.8	483.1	482.2	480.8	478.4	477.0	475.6	476.6
35°	458.3	453.1	451.0	448.1	448.3	445.8	443.7	442.3	442.5	441.1	441.8
37.5°	419.0	416.0	412.9	411.7	410.6	409.2	408.2	407.3	406.9	406.9	406.3
40°	379.4	377.8	376.3	375.9	373.8	374.2	374.0	373.3	371.9	371.4	372.8
42.5°	342.0	340.5	339.7	338.5	338.3	337.6	337.6	337.0	336.6	337.0	336.6
45°	303.6	303.3	301.7	301.7	302.7	302.0	300.1	301.2	301.2	300.6	302.0
47.5°	268.2	268.4	267.5	265.6	265.6	264.4	263.0	264.2	264.9	263.8	264.4
50°	236.1	234.6	232.8	231.3	232.0	231.6	230.4	229.5	228.8	229.0	229.9
52.5°	205.5	204.9	202.7	201.1	200.6	200.8	199.5	198.0	198.3	198.0	197.6
55°	178.1	178.1	175.2	174.6	172.7	172.7	170.8	170.6	169.9	169.9	168.7
57.5°	154.4	152.3	150.6	149.0	148.3	147.3	146.7	145.0	144.3	142.9	142.7
60°	132.5	130.0	128.8	126.9	125.5	124.6	123.4	122.1	121.1	119.9	118.5
62.5°	113.1	110.3	107.9	106.1	104.9	104.6	102.8	101.1	99.2	97.8	95.5
65°	93.6	92.0	89.4	86.8	86.3	85.1	83.3	81.4	79.1	77.0	75.5
67.5°	76.5	74.4	72.0	70.6	69.0	68.0	65.9	63.1	60.5	58.4	55.8
70°	61.2	58.2	56.1	53.7	53.3	51.2	49.3	46.4	44.1	41.2	37.5
72.5°	46.0	42.9	41.2	38.9	37.5	36.4	33.7	31.2	27.5	25.4	22.1
75°	32.4	29.8	27.5	25.1	24.1	22.5	20.4	17.6	15.2	13.1	10.8
77.5°	20.2	18.5	16.4	14.6	13.6	12.7	11.0	8.9	7.3	5.6	4.2
80°	11.5	10.0	8.7	7.3	6.8	6.3	5.0	3.7	3.1	2.1	1.4
82.5°	5.4	4.4	3.7	3.1	2.9	2.3	1.7	1.2	0.7	0.4	0.2
85°	1.7	1.2	1.0	0.7	0.4	0.4	0.2	0.2	0.2	0.2	0.2
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°	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2
2.5°	708.8	709.0	709.2	709.2	709.2	709.6	709.6	710.0	710.2	710.4	710.4
5°	705.0	705.8	706.2	706.5	706.7	707.5	707.7	708.3	708.8	709.2	709.8
7.5°	699.9	700.6	701.5	702.1	702.5	703.4	704.2	705.3	706.0	706.9	707.9
10°	693.3	694.2	695.7	696.1	696.7	697.8	699.2	700.6	701.7	703.2	704.4
12.5°	683.8	685.1	686.7	687.3	687.9	689.6	691.2	693.3	695.0	696.9	698.7
15°	671.7	673.6	674.8	675.3	676.3	678.6	680.2	682.5	685.1	687.9	690.0
17.5°	655.1	656.1	658.2	659.1	660.3	662.6	665.1	668.0	670.3	673.4	676.7
20°	633.3	634.7	637.2	638.2	639.6	641.7	645.5	647.8	651.6	655.3	657.6
22.5°	606.0	608.7	611.2	612.4	613.3	615.9	618.5	622.4	625.5	630.7	633.7
25°	577.9	578.6	580.7	582.9	583.3	586.6	589.6	594.3	597.4	600.6	604.9
27.5°	545.5	546.5	549.8	550.2	550.4	554.0	557.5	561.2	563.8	567.5	569.6
30°	511.7	513.4	514.8	515.7	517.4	519.0	522.3	527.0	528.8	532.1	535.0
32.5°	477.2	477.2	480.5	480.8	481.6	485.5	487.4	490.1	493.4	496.0	495.8
35°	442.9	443.9	445.1	446.7	447.5	449.8	450.4	452.6	454.7	456.6	458.9
37.5°	407.5	407.5	410.2	411.3	412.1	413.2	414.4	416.5	417.7	418.3	419.8
40°	373.8	374.7	375.1	375.7	375.7	377.3	378.2	379.9	380.5	382.4	381.5
42.5°	339.5	339.1	339.3	340.5	340.7	341.6	342.4	343.3	344.2	343.7	345.4
45°	303.1	303.3	303.9	303.9	304.6	305.8	306.9	307.3	308.1	309.3	309.5
47.5°	265.1	266.3	265.6	267.5	267.9	268.2	271.0	271.3	273.6	274.0	274.0
50°	229.7	229.7	231.1	231.8	232.3	233.0	233.9	234.9	235.5	237.2	237.7
52.5°	197.8	198.3	198.3	197.6	198.3	198.3	200.6	200.8	200.6	201.1	201.8
55°	169.1	169.4	168.0	168.9	168.7	168.0	168.5	167.1	166.8	167.5	167.1
57.5°	141.7	140.8	140.6	139.4	139.4	138.2	137.1	137.1	136.1	134.4	134.2
60°	117.1	115.7	114.8	114.0	112.1	110.9	109.4	107.9	106.1	104.0	102.8
62.5°	93.8	92.2	90.3	89.4	88.0	85.1	83.0	80.9	77.9	76.0	74.1
65°	73.2	70.6	67.6	66.2	64.7	62.2	59.3	55.8	52.8	50.2	47.0
67.5°	53.0	50.2	47.2	45.1	43.7	40.6	37.3	34.3	30.8	27.9	26.2
70°	34.7	31.2	28.3	26.8	25.4	22.3	19.2	16.7	15.0	14.3	14.1
72.5°	19.7	16.2	14.1	12.5	11.2	9.2	7.5	6.6	6.1	5.8	5.4
75°	8.5	6.3	5.0	4.0	3.5	2.9	2.5	2.5	2.5	2.3	2.3
77.5°	3.1	2.1	1.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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°	710.2	710.2	710.2	710.2	710.2	710.2	710.2	710.2
2.5°	710.7	711.2	711.2	711.4	711.6	711.6	711.6	711.6
5°	710.2	710.7	710.9	711.2	711.4	711.6	711.6	711.6
7.5°	708.3	709.2	709.6	710.0	710.4	710.7	710.7	710.9
10°	705.5	706.5	707.1	707.7	708.1	708.6	709.0	709.0
12.5°	700.4	701.7	702.7	703.2	704.4	704.8	705.3	705.8
15°	691.9	693.8	695.0	695.9	696.9	698.2	698.5	699.2
17.5°	679.2	681.9	682.3	683.8	684.9	687.3	687.0	687.3
20°	660.9	663.8	664.7	666.1	668.0	669.6	671.1	669.9
22.5°	636.6	639.9	641.2	642.6	643.8	645.3	647.1	647.4
25°	607.7	610.5	611.6	612.6	615.0	616.2	618.0	618.3
27.5°	574.6	576.2	577.9	578.3	581.0	581.6	583.3	583.3
30°	537.1	539.0	540.8	541.5	542.2	542.9	544.2	544.8
32.5°	498.6	500.5	501.2	502.4	502.6	503.8	503.3	505.1
35°	460.1	460.6	461.2	461.0	462.7	462.5	464.3	464.1
37.5°	421.4	420.9	422.1	423.3	422.8	422.3	423.1	421.9
40°	382.7	382.9	383.2	384.3	383.2	383.8	383.4	383.2
42.5°	346.6	346.6	345.1	346.6	345.6	345.1	346.1	344.7
45°	310.0	309.7	310.0	310.2	310.2	310.2	309.3	310.2
47.5°	275.2	275.4	274.6	276.1	275.7	274.8	274.8	274.0
50°	238.4	239.8	241.5	240.0	241.2	240.5	239.8	240.5
52.5°	203.4	204.3	203.2	203.4	206.0	206.0	204.5	204.3
55°	166.2	166.2	166.6	166.8	167.1	170.1	168.5	168.9
57.5°	132.8	132.8	132.1	133.5	132.5	131.4	132.5	129.6
60°	100.9	100.7	99.9	99.0	96.7	95.9	93.4	93.2
62.5°	71.8	69.2	68.3	66.4	63.8	63.1	60.5	60.3
65°	44.6	41.6	40.6	39.7	38.5	38.3	37.3	37.8
67.5°	25.4	24.9	24.6	23.9	23.5	23.0	23.0	22.7
70°	13.3	12.5	12.2	12.0	12.0	11.0	10.8	11.2
72.5°	5.2	4.7	4.7	4.7	4.4	4.4	4.4	4.4
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2
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)