

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: P844136

Luminaire Tested: **LD6C20DE010B35 EU6C20B35 6LBLWWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844136
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: LD6C20DE010B35 EU6C20B35 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

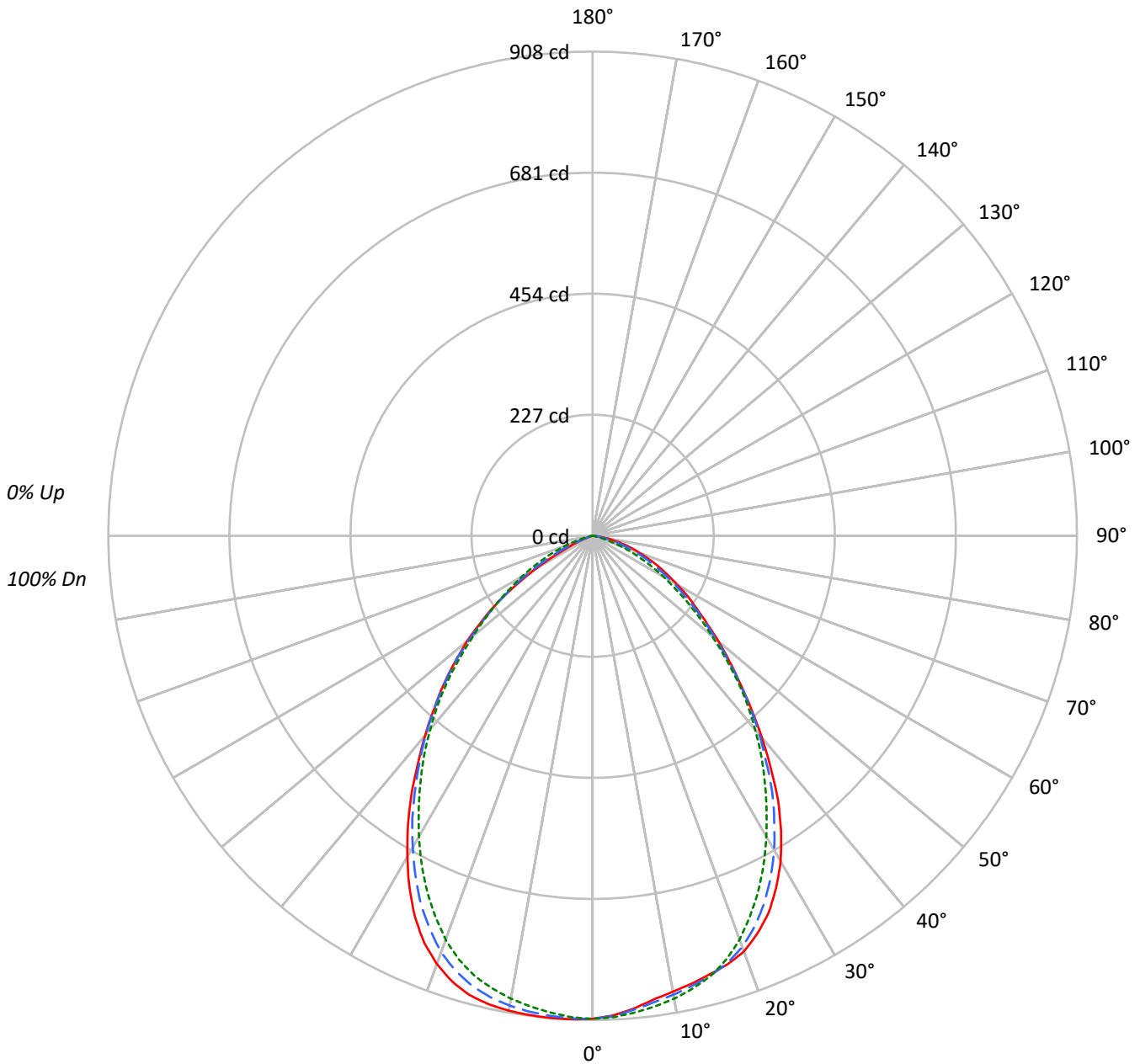
Lumens per Lamp: N/A
Luminaire Lumens: 1665.8 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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	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°	49656	49656	49656
5°	48971	49400	49945
10°	48318	49069	50339
15°	48298	48502	50608
20°	48403	47009	49838
25°	47216	44446	47694
30°	44640	41215	43981
35°	40596	37651	39612
40°	35288	33899	34966
45°	30251	29716	30670
50°	26234	24903	26157
55°	22766	20702	20587
60°	20053	16764	13025
65°	17589	12725	6239
70°	15099	8447	2308
75°	12306	3537	635
80°	8303	821	253
85°	3397	189	189



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	5.1
10°-20°	243.0	14.6
20°-30°	348.2	20.9
30°-40°	362.9	21.8
40°-50°	300.6	18.0
50°-60°	199.3	12.0
60°-70°	96.5	5.8
70°-80°	27.3	1.6
80°-90°	2.6	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°	676.5	40.6
0°-40°	1039.4	62.4
0°-60°	1539.3	92.4
0°-90°	1665.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1665.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	906	906	906	906	906	
5°	890	892	898	904	908	84
15°	851	854	855	874	892	241
25°	781	761	735	762	788	357
35°	607	587	563	580	592	376
45°	390	389	383	393	396	304
55°	238	230	217	213	215	215
65°	136	122	98	67	48	135
75°	58	44	17	3	3	62
85°	5	2	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°	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8
2.5°	900.0	900.4	901.0	900.4	900.7	901.0	901.0	901.2	901.2	901.5	901.8
5°	889.9	890.7	890.7	890.7	890.7	891.1	891.4	891.4	891.1	891.1	892.3
7.5°	877.0	877.9	877.6	877.9	878.3	879.1	878.8	879.4	880.1	880.9	882.1
10°	868.0	868.3	868.0	869.0	869.6	870.1	870.1	870.7	871.4	872.2	873.7
12.5°	860.0	860.3	860.6	861.1	861.8	861.4	862.1	862.6	862.9	863.6	864.4
15°	851.0	852.5	852.1	852.5	852.8	853.1	853.4	853.7	853.4	853.4	853.9
17.5°	842.6	842.9	843.3	843.3	843.3	843.3	842.6	842.6	841.7	840.8	840.2
20°	829.7	829.4	828.9	828.9	827.6	827.9	826.8	826.1	824.6	822.5	820.5
22.5°	807.3	808.8	808.2	806.1	804.9	804.9	803.7	801.1	798.6	796.2	793.5
25°	780.6	780.1	779.2	778.0	776.2	775.0	773.2	771.4	767.5	763.3	761.0
27.5°	745.1	745.9	743.8	742.0	741.2	739.4	737.6	735.2	730.4	726.8	722.6
30°	705.2	704.7	704.4	702.0	699.6	700.2	696.6	693.9	690.3	684.3	681.0
32.5°	657.4	658.3	656.5	656.2	651.7	651.1	651.1	647.0	643.9	638.3	633.7
35°	606.6	605.9	605.3	603.3	603.0	601.2	599.7	596.6	592.8	591.0	587.4
37.5°	547.9	548.2	548.5	548.5	547.3	546.1	544.9	544.9	539.5	538.7	534.4
40°	493.1	494.0	493.7	491.6	491.9	492.2	491.9	491.6	488.3	487.1	486.5
42.5°	439.9	441.4	439.9	439.6	439.9	439.9	439.2	440.2	438.7	439.9	437.1
45°	390.2	391.4	390.5	390.2	389.6	391.1	389.3	390.8	389.8	388.4	389.0
47.5°	347.4	346.2	347.4	346.8	346.0	344.7	346.5	345.6	343.5	343.2	343.8
50°	307.6	307.0	307.6	307.3	305.8	305.8	305.6	304.9	304.3	302.5	301.3
52.5°	269.6	271.7	270.2	271.7	269.6	268.7	269.0	268.1	266.9	266.3	263.9
55°	238.2	238.5	238.5	238.5	237.3	236.7	236.1	235.5	235.5	232.8	230.4
57.5°	211.0	210.4	210.0	209.2	208.6	207.9	207.4	205.6	203.8	201.4	199.6
60°	182.9	183.4	183.4	182.2	181.3	180.4	180.1	179.0	176.8	174.4	171.8
62.5°	158.5	159.2	157.7	157.7	155.9	155.6	155.6	153.8	151.5	148.7	145.7
65°	135.6	135.3	135.8	133.8	134.0	132.2	131.7	130.7	128.4	125.1	122.4
67.5°	113.7	114.3	113.4	112.8	111.6	111.1	110.4	107.8	106.5	103.5	100.6
70°	94.2	93.7	93.1	93.1	91.9	91.0	90.6	87.7	86.2	83.8	80.5
72.5°	76.0	75.4	74.8	73.9	73.0	72.7	71.0	69.2	67.4	64.3	62.0
75°	58.1	57.7	57.1	56.6	55.1	54.5	54.2	52.0	48.8	46.4	44.3
77.5°	41.9	42.2	41.0	39.8	38.9	38.0	37.4	35.6	33.5	30.8	28.8
80°	26.3	26.7	26.3	25.4	24.2	23.9	23.1	21.9	20.1	18.3	16.7
82.5°	14.1	14.1	13.7	13.4	12.6	12.6	12.0	11.1	10.2	9.3	8.0
85°	5.4	5.4	5.1	4.8	4.4	4.4	4.2	3.9	3.3	3.0	2.4
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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°	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8
2.5°	901.8	902.2	902.5	902.8	902.8	902.8	903.0	903.3	903.3	903.6	904.0
5°	892.9	893.2	894.1	894.3	895.0	894.7	895.6	896.5	897.1	897.7	898.6
7.5°	882.7	883.7	884.8	885.7	886.0	886.3	887.1	888.4	889.3	890.5	891.4
10°	874.3	875.2	876.5	877.6	877.6	878.3	878.8	879.7	880.6	881.5	882.7
12.5°	865.0	866.2	866.5	867.2	867.2	867.5	868.0	868.3	869.3	869.6	871.4
15°	853.9	853.9	853.9	853.9	853.9	853.7	853.1	853.7	853.7	854.6	855.5
17.5°	838.7	838.7	836.9	836.1	836.4	834.8	834.6	833.3	833.3	833.3	834.3
20°	818.7	816.0	813.8	811.2	810.0	809.4	808.8	806.1	805.8	805.8	805.8
22.5°	790.3	787.3	784.2	782.1	778.8	777.7	776.5	774.7	772.6	771.4	774.1
25°	755.6	752.0	748.4	744.2	743.3	741.8	738.8	737.0	736.1	734.8	735.5
27.5°	718.8	713.7	709.8	705.5	704.1	702.3	699.6	696.9	693.9	694.5	694.5
30°	676.6	670.5	666.4	661.2	661.0	659.2	656.8	653.5	651.1	651.1	652.6
32.5°	630.8	626.5	622.7	617.0	616.1	614.9	613.1	610.1	608.4	606.6	607.7
35°	584.3	577.8	575.1	571.5	571.9	568.5	565.8	564.0	564.4	562.6	563.4
37.5°	534.4	530.5	526.6	525.1	523.6	521.8	520.7	519.4	518.9	518.9	518.2
40°	483.9	481.8	480.0	479.3	476.7	477.3	477.0	476.0	474.2	473.7	475.5
42.5°	436.3	434.2	433.3	431.7	431.5	430.6	430.6	429.7	429.4	429.7	429.4
45°	387.2	386.9	384.8	384.8	386.0	385.1	382.8	384.2	384.2	383.3	385.1
47.5°	342.0	342.4	341.1	338.8	338.8	337.2	335.4	337.0	337.8	336.3	337.2
50°	301.0	299.2	296.9	295.1	295.9	295.3	293.8	292.6	291.7	292.0	293.3
52.5°	262.1	261.2	258.5	256.5	255.8	256.2	254.4	252.6	252.9	252.6	251.9
55°	227.1	227.1	223.5	222.6	220.2	220.2	217.9	217.6	216.6	216.6	215.1
57.5°	196.9	194.2	192.1	190.1	189.1	187.9	187.0	184.9	184.0	182.2	181.9
60°	169.0	165.7	164.3	161.9	160.1	158.9	157.4	155.6	154.4	152.9	151.1
62.5°	144.3	140.7	137.6	135.3	133.8	133.5	131.0	128.9	126.6	124.8	121.7
65°	119.4	117.3	114.0	110.7	110.1	108.6	106.2	103.9	100.8	98.1	96.4
67.5°	97.5	94.9	91.9	90.1	88.0	86.7	84.1	80.5	77.2	74.5	71.2
70°	78.1	74.2	71.5	68.5	67.9	65.3	62.8	59.2	56.3	52.7	47.9
72.5°	58.7	54.8	52.7	49.7	47.9	46.4	43.0	39.8	35.0	32.4	28.1
75°	41.2	38.0	35.0	32.0	30.8	28.8	26.0	22.4	19.5	16.7	13.7
77.5°	25.7	23.7	20.9	18.5	17.3	16.2	14.1	11.4	9.3	7.2	5.4
80°	14.7	12.9	11.1	9.3	8.7	8.0	6.2	4.8	3.9	2.6	1.8
82.5°	6.9	5.7	4.8	3.9	3.6	3.0	2.1	1.5	0.8	0.6	0.3
85°	2.1	1.5	1.2	0.8	0.6	0.6	0.3	0.3	0.3	0.3	0.3
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°	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8
2.5°	904.0	904.3	904.6	904.6	904.6	904.8	904.8	905.4	905.8	906.1	906.1
5°	899.2	900.0	900.7	901.0	901.2	902.2	902.5	903.3	904.0	904.6	905.1
7.5°	892.5	893.5	894.7	895.3	895.9	897.1	897.9	899.4	900.4	901.5	902.8
10°	884.2	885.5	887.1	887.8	888.4	889.9	891.7	893.5	895.0	896.8	898.2
12.5°	871.9	873.7	875.8	876.5	877.3	879.4	881.5	884.2	886.3	888.7	891.1
15°	856.7	859.1	860.6	861.1	862.4	865.4	867.5	870.4	873.7	877.3	880.1
17.5°	835.4	836.6	839.3	840.5	842.0	845.0	848.3	851.9	854.9	858.8	862.9
20°	807.6	809.4	812.7	813.8	815.6	818.4	823.2	826.1	831.0	835.7	838.7
22.5°	772.9	776.2	779.5	781.0	782.1	785.5	788.8	793.9	797.8	804.3	808.2
25°	737.0	737.9	740.6	743.3	743.8	748.1	752.0	757.9	761.8	766.0	771.4
27.5°	695.7	696.9	701.1	701.6	702.0	706.5	710.9	715.7	719.0	723.8	726.5
30°	652.6	654.7	656.5	657.7	659.8	661.9	666.1	672.0	674.5	678.7	682.3
32.5°	608.7	608.7	612.8	613.1	614.3	619.1	621.5	625.1	629.3	632.6	632.3
35°	564.9	566.2	567.6	569.7	570.6	573.7	574.5	577.2	579.9	582.3	585.3
37.5°	519.7	519.7	523.0	524.6	525.4	526.9	528.4	531.1	532.6	533.5	535.3
40°	476.7	477.8	478.5	479.1	479.1	481.1	482.4	484.4	485.3	487.8	486.5
42.5°	433.0	432.4	432.7	434.2	434.5	435.6	436.6	437.8	438.9	438.4	440.5
45°	386.6	386.9	387.5	387.5	388.4	389.8	391.4	392.0	392.9	394.4	394.7
47.5°	338.1	339.6	338.8	341.1	341.7	342.0	345.6	346.0	348.9	349.4	349.4
50°	293.0	293.0	294.8	295.6	296.2	297.1	298.4	299.5	300.4	302.5	303.1
52.5°	252.2	252.9	252.9	251.9	252.9	252.9	255.8	256.2	255.8	256.5	257.3
55°	215.8	216.1	214.3	215.4	215.1	214.3	214.8	213.0	212.8	213.6	213.0
57.5°	180.7	179.6	179.3	177.8	177.8	176.2	174.7	174.7	173.6	171.4	171.1
60°	149.3	147.5	146.3	145.4	143.0	141.5	139.4	137.6	135.3	132.5	131.0
62.5°	119.7	117.6	115.2	114.0	112.2	108.6	106.0	103.2	99.3	97.0	94.6
65°	93.4	90.1	86.2	84.4	82.6	79.3	75.7	71.2	67.4	64.0	59.9
67.5°	67.6	64.0	60.2	57.4	55.6	51.7	47.6	43.7	39.2	35.6	33.5
70°	44.3	39.8	36.2	34.2	32.4	28.5	24.5	21.3	19.1	18.3	18.0
72.5°	25.2	20.6	18.0	15.9	14.4	11.6	9.6	8.4	7.8	7.5	6.9
75°	10.8	8.0	6.2	5.1	4.4	3.6	3.3	3.3	3.3	3.0	3.0
77.5°	3.9	2.6	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.2	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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°	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8
2.5°	906.4	906.9	906.9	907.2	907.6	907.6	907.6	907.6
5°	905.8	906.4	906.6	906.9	907.2	907.6	907.6	907.6
7.5°	903.3	904.6	904.8	905.4	906.1	906.4	906.4	906.6
10°	899.7	901.0	901.8	902.5	903.0	903.6	904.3	904.3
12.5°	893.2	895.0	896.1	896.8	898.2	898.9	899.4	900.0
15°	882.4	884.8	886.3	887.5	888.7	890.5	890.7	891.7
17.5°	866.2	869.6	870.1	871.9	873.4	876.5	876.1	876.5
20°	842.9	846.5	847.7	849.5	851.9	853.9	855.7	854.3
22.5°	811.8	816.0	817.8	819.6	821.0	822.8	825.3	825.6
25°	775.0	778.5	780.1	781.3	784.2	785.7	788.1	788.5
27.5°	732.8	734.8	737.0	737.6	740.9	741.8	743.8	743.8
30°	684.9	687.4	689.7	690.6	691.5	692.4	693.9	694.8
32.5°	635.8	638.3	639.1	640.6	640.9	642.4	641.9	644.2
35°	586.8	587.4	588.3	587.9	590.1	589.7	592.2	591.9
37.5°	537.4	536.9	538.3	539.8	539.2	538.7	539.5	538.0
40°	488.0	488.3	488.6	490.1	488.6	489.6	488.9	488.6
42.5°	442.0	442.0	440.2	442.0	440.7	440.2	441.4	439.6
45°	395.2	395.0	395.2	395.6	395.6	395.6	394.4	395.6
47.5°	351.0	351.2	350.1	352.2	351.6	350.4	350.4	349.4
50°	304.0	305.8	307.9	306.1	307.6	306.7	305.8	306.7
52.5°	259.4	260.6	259.1	259.4	262.7	262.7	260.9	260.6
55°	211.8	211.8	212.5	212.8	213.0	216.9	214.8	215.4
57.5°	169.3	169.3	168.5	170.3	169.0	167.5	169.0	165.2
60°	128.7	128.4	127.4	126.3	123.3	122.4	119.1	118.8
62.5°	91.6	88.3	87.0	84.7	81.4	80.5	77.2	76.9
65°	56.9	53.0	51.7	50.6	49.1	48.8	47.6	48.1
67.5°	32.4	31.7	31.4	30.6	29.9	29.3	29.3	29.0
70°	17.0	15.9	15.5	15.2	15.2	14.1	13.7	14.4
72.5°	6.6	6.0	6.0	6.0	5.7	5.7	5.7	5.7
75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3
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)