

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: P844060

Luminaire Tested: **LD6C15DE010B2750 EU6C15B35 6LBSWLI**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844060  
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: LD6C15DE010B2750 EU6C15B35 6LBSWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

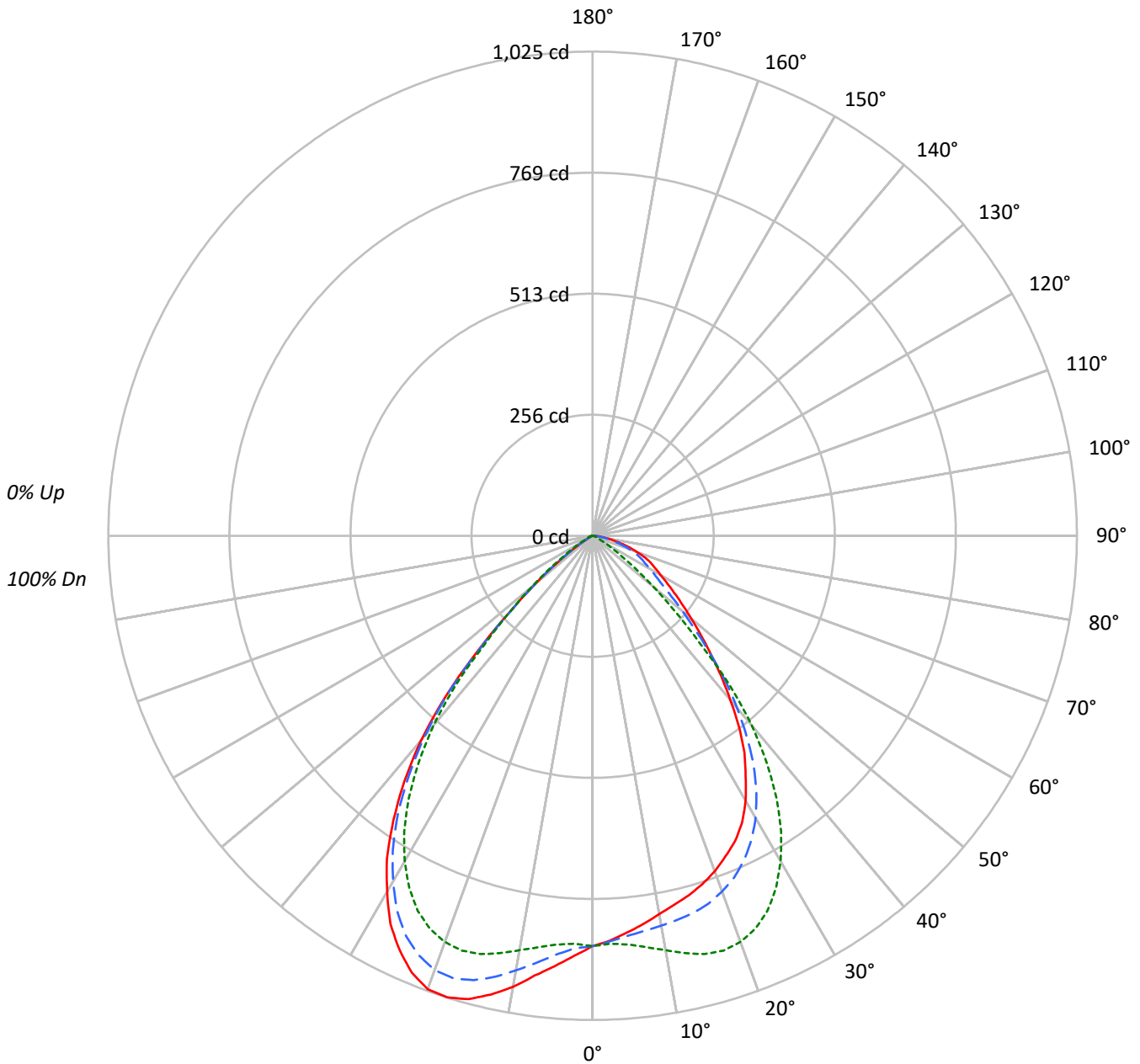
Lumens per Lamp: N/A  
Luminaire Lumens: 1587.5 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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				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	43	39	47	42	38	37				37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	47611	47611	47611
5°	46373	47793	50303
10°	45251	49598	53979
15°	44716	52026	57628
20°	44080	53380	59581
25°	43146	52981	58509
30°	40994	50350	55078
35°	37504	45401	49175
40°	32439	37499	40340
45°	27359	24592	26398
50°	23223	14234	13390
55°	20157	6824	5152
60°	18200	3191	1272
65°	17654	1829	428
70°	15836	1459	401
75°	13005	1059	169
80°	9692	537	0
85°	8366	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.9	5.3
10°-20°	255.7	16.1
20°-30°	390.6	24.6
30°-40°	408.6	25.7
40°-50°	265.0	16.7
50°-60°	105.2	6.6
60°-70°	49.9	3.1
70°-80°	23.7	1.5
80°-90°	4.8	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°	730.2	46.0
0°-40°	1138.7	71.7
0°-60°	1509.0	95.1
0°-90°	1587.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1587.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	868	868	868	868	868	
5°	843	850	868	890	914	80
15°	788	826	917	974	1015	222
25°	713	758	876	935	967	327
35°	560	594	678	718	735	347
45°	353	350	317	336	340	275
55°	211	179	71	56	54	191
65°	136	113	14	3	3	133
75°	61	50	5	2	1	66
85°	13	8	0	0	0	15
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°	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5
2.5°	857.7	859.3	850.2	847.7	854.4	856.9	857.7	855.2	856.0	859.3	859.3
5°	842.7	844.4	836.1	833.6	840.3	842.0	844.4	843.6	846.1	851.1	850.2
7.5°	828.7	831.1	822.0	818.7	827.0	831.1	832.8	832.8	836.1	842.7	843.6
10°	812.9	816.2	807.9	806.2	815.3	819.5	820.3	822.0	827.0	836.1	837.8
12.5°	799.6	802.8	797.1	794.6	804.5	808.7	810.4	813.7	819.5	831.1	832.8
15°	787.9	790.5	783.8	782.1	792.1	797.1	797.9	802.8	810.4	823.7	826.1
17.5°	773.0	774.6	769.7	768.1	778.0	783.0	783.8	789.6	798.7	812.1	816.2
20°	755.6	757.3	752.3	750.6	760.5	766.4	767.2	772.2	783.0	797.1	801.3
22.5°	734.8	738.1	732.3	730.6	740.7	745.6	748.1	752.3	763.1	777.1	783.0
25°	713.3	713.3	709.0	708.3	717.4	723.2	722.4	728.2	739.0	753.1	758.0
27.5°	685.0	684.2	680.0	679.2	689.2	694.1	692.4	698.2	708.3	722.4	727.3
30°	647.6	649.3	643.5	641.8	650.1	658.5	657.6	663.5	673.4	686.6	690.0
32.5°	602.7	604.4	603.6	601.2	608.6	612.8	615.2	619.4	627.7	641.8	645.2
35°	560.4	557.9	554.6	554.6	562.1	568.8	566.3	571.2	579.6	593.6	594.5
37.5°	508.2	507.3	505.7	504.0	512.3	513.9	514.8	518.1	525.5	537.2	535.6
40°	453.3	454.1	453.3	450.0	455.0	461.7	460.8	462.5	469.1	477.4	475.0
42.5°	401.9	401.9	401.9	398.5	404.3	407.7	409.3	408.5	410.2	417.7	414.3
45°	352.9	353.7	352.9	352.1	352.9	354.5	352.9	352.1	352.1	354.5	349.5
47.5°	310.5	310.5	308.1	305.6	308.1	308.8	306.4	303.9	303.0	302.3	293.9
50°	272.3	271.5	270.6	266.5	269.0	269.8	266.5	264.8	261.6	257.4	247.5
52.5°	239.1	238.3	237.4	233.3	235.0	235.9	232.5	229.2	225.0	221.7	209.2
55°	210.9	210.0	210.0	207.6	205.9	207.6	204.2	201.8	196.0	191.7	179.4
57.5°	186.8	186.8	185.2	182.7	183.5	183.5	180.2	176.8	171.9	166.9	157.0
60°	166.0	166.0	166.0	163.5	163.5	163.5	161.9	158.6	154.4	149.4	139.5
62.5°	149.4	149.4	148.6	146.2	146.9	146.9	145.3	142.0	137.8	134.5	124.6
65°	136.1	136.1	136.1	133.7	133.7	134.5	132.8	129.6	126.2	122.1	113.0
67.5°	119.5	118.8	118.8	117.1	117.9	118.8	117.1	114.5	110.4	108.0	99.6
70°	98.8	99.6	100.5	98.0	98.8	98.8	98.0	95.5	93.0	90.5	83.0
72.5°	80.6	80.6	79.7	78.9	78.9	79.7	78.1	75.5	73.9	72.2	66.4
75°	61.4	60.6	61.4	59.8	59.8	59.8	58.1	57.3	56.5	53.9	49.8
77.5°	44.8	44.0	44.0	42.3	43.2	43.2	42.3	40.7	39.0	38.2	34.9
80°	30.7	30.7	30.7	29.9	29.9	29.1	29.1	28.2	26.5	25.7	24.1
82.5°	20.7	20.7	20.7	20.0	20.0	20.0	19.1	18.3	17.5	16.6	14.9
85°	13.3	13.3	13.3	12.5	12.5	12.5	11.6	11.6	10.8	9.9	8.2
87.5°	7.5	7.5	7.5	6.7	6.7	6.7	6.7	6.7	5.8	5.0	4.1
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°	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5
2.5°	865.1	853.5	861.0	861.0	858.6	865.1	869.4	872.7	871.8	864.3	863.5
5°	858.6	848.5	856.9	857.7	855.2	864.3	870.1	874.3	875.2	868.5	869.4
7.5°	853.5	845.3	856.0	859.3	858.6	866.8	873.5	880.1	883.4	878.5	879.3
10°	851.1	844.4	856.0	861.0	861.9	871.0	880.9	890.1	894.2	891.0	893.4
12.5°	847.7	843.6	856.9	864.3	867.7	876.8	889.3	900.0	906.7	905.0	910.0
15°	844.4	841.1	856.9	867.7	871.8	880.1	894.2	910.0	917.5	916.7	923.3
17.5°	836.1	835.3	851.9	863.5	869.4	879.3	892.5	911.7	919.2	920.8	929.1
20°	822.8	822.8	841.1	853.5	860.2	869.4	886.0	904.2	913.4	915.0	924.2
22.5°	804.5	806.2	823.7	836.1	846.1	852.7	870.1	889.3	897.5	900.0	910.0
25°	780.5	782.1	798.7	811.2	822.0	829.5	846.1	863.5	873.5	875.9	883.4
27.5°	748.9	752.3	768.1	780.5	789.6	794.6	812.1	830.3	837.8	840.3	847.7
30°	712.4	713.3	729.0	739.8	748.9	753.1	768.1	787.1	792.9	795.4	806.2
32.5°	667.6	666.7	681.6	691.7	699.1	704.1	719.8	732.3	738.1	742.2	748.1
35°	613.6	612.8	623.6	635.2	641.0	642.6	658.5	671.7	675.1	678.4	685.9
37.5°	553.0	553.0	562.1	567.9	574.5	577.0	584.6	599.5	605.3	604.4	610.3
40°	489.0	485.8	492.3	498.1	499.8	500.7	508.2	519.7	524.0	524.0	528.1
42.5°	421.8	416.8	417.7	420.9	422.6	416.8	421.8	429.3	426.8	430.1	431.0
45°	350.4	342.9	339.6	332.1	333.8	328.0	324.7	326.3	325.5	317.2	318.9
47.5°	292.2	279.0	273.2	262.4	259.9	253.2	249.1	241.6	235.0	235.0	230.8
50°	243.3	230.0	218.4	205.9	201.8	196.0	186.8	176.8	171.9	166.9	162.8
52.5°	204.2	190.2	176.0	162.8	157.0	149.4	137.0	127.0	117.9	113.0	108.0
55°	172.7	157.0	142.0	127.9	120.4	113.0	100.5	88.8	78.1	71.4	67.3
57.5°	148.6	133.7	117.9	102.9	96.4	88.0	74.8	62.3	52.4	44.8	40.7
60°	131.1	116.2	102.2	86.3	79.7	71.4	57.3	45.7	35.7	29.1	24.1
62.5°	116.2	102.9	88.0	73.9	67.3	58.9	45.7	34.1	24.9	18.3	14.1
65°	105.4	92.1	79.7	65.6	59.8	51.5	39.0	28.2	20.0	14.1	9.9
67.5°	93.0	81.3	69.0	57.3	51.5	44.8	33.2	24.1	16.6	11.6	8.2
70°	78.1	69.0	58.1	47.4	43.2	37.3	27.4	20.0	13.3	9.1	6.7
72.5°	62.3	54.8	46.5	38.2	34.9	29.1	22.4	15.8	9.9	6.7	5.0
75°	47.4	41.5	34.9	29.1	25.7	22.4	16.6	11.6	7.5	5.0	3.3
77.5°	32.4	29.9	24.9	20.0	18.3	15.8	10.8	7.5	5.0	3.3	1.7
80°	22.4	20.0	16.6	13.3	11.6	9.9	6.7	5.0	2.5	1.7	0.8
82.5°	14.1	11.6	9.9	8.2	7.5	5.8	4.1	2.5	1.7	0.8	0.8
85°	7.5	6.7	5.8	4.1	4.1	3.3	2.5	1.7	0.8	0.0	0.0
87.5°	4.1	3.3	2.5	1.7	1.7	0.8	0.8	0.8	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°	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5
2.5°	873.5	873.5	872.7	882.6	871.0	882.6	876.8	882.6	874.3	873.5	874.3
5°	880.1	882.6	883.4	892.5	881.7	895.9	891.0	895.9	890.1	891.8	894.2
7.5°	893.4	897.5	896.8	908.3	897.5	913.4	910.0	917.5	911.7	913.4	916.7
10°	908.3	913.4	914.1	925.7	915.8	934.9	930.7	939.1	934.1	936.6	940.8
12.5°	925.7	931.6	932.4	945.7	934.9	954.8	952.4	960.6	956.5	959.0	964.0
15°	939.1	947.3	949.0	962.3	950.7	971.4	969.7	980.6	974.0	978.1	982.2
17.5°	945.7	953.1	956.5	968.9	959.0	979.8	978.1	987.2	982.2	986.3	991.4
20°	941.5	950.7	953.1	965.6	955.7	976.4	974.0	983.1	978.1	981.4	986.3
22.5°	926.6	935.8	939.1	950.7	941.5	960.6	959.8	968.2	961.5	965.6	969.7
25°	900.0	910.0	911.7	922.5	912.5	932.4	930.7	939.9	934.9	937.4	943.2
27.5°	861.9	873.5	875.9	885.1	877.6	894.2	894.2	901.7	895.9	895.9	901.7
30°	816.2	827.8	829.5	836.9	830.3	845.3	846.1	853.5	844.4	849.4	850.2
32.5°	760.5	768.1	773.0	779.7	769.7	788.8	786.2	792.1	787.1	787.1	791.3
35°	693.3	702.5	704.9	713.3	704.9	719.8	719.8	723.2	718.2	718.2	724.8
37.5°	620.2	626.9	627.7	636.0	629.4	641.8	641.0	643.5	638.5	641.8	641.8
40°	534.7	539.7	541.4	545.5	544.7	553.8	553.0	554.6	552.2	553.0	554.6
42.5°	435.1	441.7	445.1	448.3	443.4	455.8	453.3	455.8	455.0	455.8	458.4
45°	320.5	325.5	328.0	328.8	327.1	334.6	340.5	335.5	336.2	334.6	337.9
47.5°	231.6	232.5	230.8	235.9	231.6	235.0	236.6	237.4	232.5	231.6	235.0
50°	158.6	162.8	157.0	159.4	158.6	161.9	160.2	161.1	156.1	158.6	157.0
52.5°	105.4	104.6	102.9	103.8	102.2	102.2	102.2	103.8	100.5	98.8	97.2
55°	64.0	62.3	58.9	58.1	58.1	58.9	57.3	55.6	55.6	54.8	54.8
57.5°	37.3	34.9	33.2	32.4	30.7	29.9	29.1	29.1	27.4	27.4	27.4
60°	20.7	18.3	16.6	14.9	14.9	14.1	13.3	12.5	12.5	12.5	11.6
62.5°	10.8	9.1	7.5	6.7	6.7	5.8	5.0	5.0	5.0	5.0	4.1
65°	7.5	5.8	5.0	4.1	4.1	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	5.8	5.0	4.1	3.3	3.3	3.3	2.5	2.5	2.5	2.5	2.5
70°	5.0	3.3	3.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	3.3	3.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
80°	0.8	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°	868.5	868.5	868.5	868.5	868.5	868.5	868.5	868.5
2.5°	881.7	880.9	881.7	883.4	880.1	890.1	885.1	890.1
5°	900.9	901.7	902.6	905.0	900.9	913.4	906.7	914.1
7.5°	925.7	926.6	927.4	930.0	927.4	939.9	932.4	939.1
10°	951.6	953.1	953.1	957.4	954.8	966.5	961.5	969.7
12.5°	975.6	977.3	978.9	981.4	979.8	992.2	988.0	994.7
15°	994.7	998.0	998.8	1002.1	1000.5	1013.8	1008.8	1015.4
17.5°	1003.8	1007.2	1007.2	1011.3	1009.6	1023.8	1017.1	1024.6
20°	998.8	1001.4	1002.1	1006.3	1004.6	1018.8	1012.2	1021.3
22.5°	983.1	983.9	984.8	988.9	988.0	1000.5	994.7	1000.5
25°	954.0	956.5	955.7	959.0	959.0	968.9	962.3	967.3
27.5°	912.5	915.0	915.0	919.2	915.8	925.7	919.2	926.6
30°	861.9	864.3	862.7	866.0	862.7	872.7	867.7	870.1
32.5°	801.3	801.3	802.0	802.8	801.3	810.4	805.4	810.4
35°	729.0	730.6	731.5	732.3	730.6	737.3	731.5	734.8
37.5°	647.6	651.8	651.0	651.8	649.3	657.6	652.6	654.3
40°	560.4	560.4	559.6	561.3	558.7	565.4	562.1	563.7
42.5°	459.1	461.7	458.4	462.5	455.8	464.9	461.7	459.1
45°	344.6	341.3	340.5	341.3	338.8	339.6	342.1	340.5
47.5°	235.0	235.0	233.3	230.8	234.2	235.0	231.6	231.6
50°	157.8	157.8	156.1	155.3	157.0	156.1	154.4	157.0
52.5°	100.5	97.2	97.2	98.8	97.2	95.5	98.0	96.4
55°	54.8	53.1	53.1	54.8	53.1	53.1	52.4	53.9
57.5°	26.5	27.4	26.5	26.5	26.5	26.5	25.7	26.5
60°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
62.5°	5.0	5.0	4.1	4.1	4.1	4.1	4.1	4.1
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	2.5	2.5	2.5	2.5	2.5	3.3	2.5	2.5
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.5	2.5	3.3	3.3	3.3	3.3	3.3	3.3
75°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
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)