

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: P844077

Luminaire Tested: **LD6C15DE010B40 EU6C15B40 6LBSWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844077  
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: LD6C15DE010B40 EU6C15B40 6LBSWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

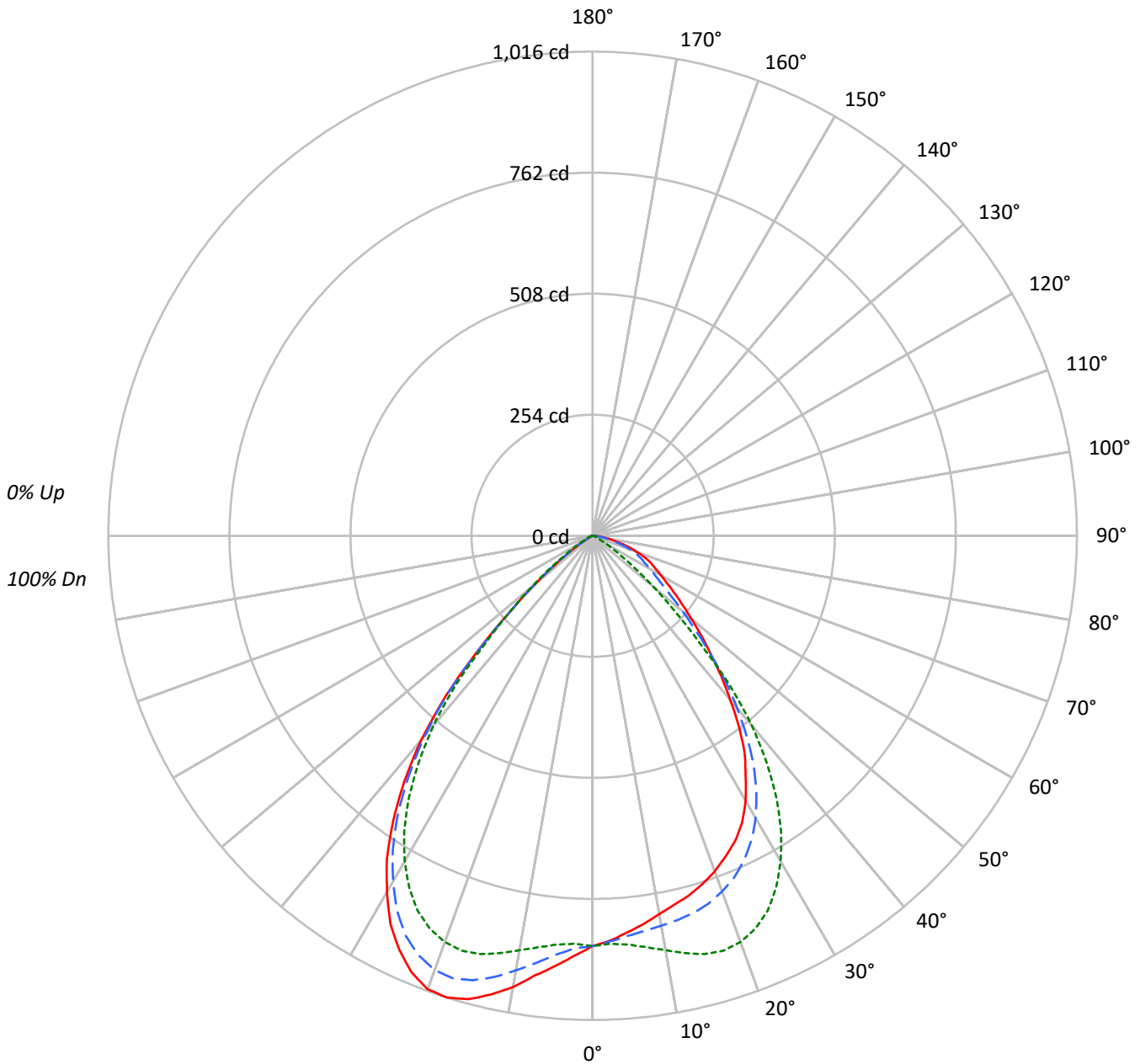
Lumens per Lamp: N/A  
Luminaire Lumens: 1573.8 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P844077

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBSWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P844077

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBSWLI

**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	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80																			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72																			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65																			
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58																			
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																			
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48																			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44																			
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40																			
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37																			

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

	0°	90°	180°
0°	47200	47200	47200
5°	45972	47380	49873
10°	44856	49164	53517
15°	44336	51572	57134
20°	43695	52913	59062
25°	42765	52521	58007
30°	40639	49919	54603
35°	37182	44999	48747
40°	32160	37170	39996
45°	27127	24375	26166
50°	23027	14106	13270
55°	19985	6767	5113
60°	18047	3158	1261
65°	17512	1816	428
70°	15692	1459	385
75°	12899	1059	169
80°	9629	537	0
85°	8303	0	0



TEST NUMBER: P844077

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBSWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.2	5.3
10°-20°	253.4	16.1
20°-30°	387.2	24.6
30°-40°	405.0	25.7
40°-50°	262.7	16.7
50°-60°	104.3	6.6
60°-70°	49.5	3.1
70°-80°	23.5	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°	723.9	46.0
0°-40°	1128.9	71.7
0°-60°	1496.0	95.1
0°-90°	1573.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1573.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	861	861	861	861	861	
5°	835	843	861	882	906	79
15°	781	819	909	966	1007	220
25°	707	751	868	927	959	324
35°	556	589	672	712	728	344
45°	350	346	314	333	338	272
55°	209	178	71	55	54	189
65°	135	112	14	3	3	132
75°	61	49	5	2	1	66
85°	13	8	0	0	0	15
90°	0	0	0	0	0	



TEST NUMBER: P844077

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBSWLI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0
2.5°	850.2	851.9	842.8	840.4	847.0	849.4	850.2	847.8	848.6	851.9	851.9
5°	835.4	837.1	828.9	826.4	833.0	834.7	837.1	836.3	838.8	843.7	842.8
7.5°	821.5	823.9	814.9	811.6	819.9	823.9	825.6	825.6	828.9	835.4	836.3
10°	805.8	809.1	800.9	799.3	808.2	812.4	813.2	814.9	819.9	828.9	830.5
12.5°	792.7	796.0	790.2	787.7	797.6	801.7	803.4	806.7	812.4	823.9	825.6
15°	781.2	783.6	777.0	775.4	785.2	790.2	791.0	796.0	803.4	816.5	819.0
17.5°	766.3	767.9	763.0	761.4	771.2	776.2	777.0	782.8	791.9	805.0	809.1
20°	749.0	750.7	745.7	744.0	754.0	759.7	760.5	765.5	776.2	790.2	794.3
22.5°	728.4	731.8	726.0	724.4	734.2	739.2	741.6	745.7	756.4	770.4	776.2
25°	707.0	707.0	702.9	702.2	711.2	717.0	716.1	721.8	732.5	746.6	751.4
27.5°	679.1	678.3	674.1	673.3	683.2	688.1	686.5	692.2	702.2	716.1	721.1
30°	642.0	643.7	638.0	636.3	644.5	652.8	651.9	657.6	667.5	680.7	684.0
32.5°	597.6	599.3	598.4	596.0	603.4	607.4	609.9	614.1	622.3	636.3	639.6
35°	555.6	553.1	549.9	549.9	557.3	563.8	561.4	566.3	574.5	588.5	589.3
37.5°	503.8	502.9	501.3	499.6	507.9	509.5	510.3	513.6	521.0	532.5	530.9
40°	449.4	450.2	449.4	446.1	451.1	457.6	456.8	458.5	465.0	473.3	470.9
42.5°	398.4	398.4	398.4	395.1	400.8	404.1	405.8	405.0	406.6	414.1	410.7
45°	349.9	350.6	349.9	349.0	349.9	351.5	349.9	349.0	349.0	351.5	346.5
47.5°	307.9	307.9	305.3	302.9	305.3	306.2	303.8	301.2	300.5	299.6	291.4
50°	270.0	269.2	268.3	264.2	266.6	267.5	264.2	262.6	259.3	255.2	245.3
52.5°	237.1	236.3	235.4	231.3	233.0	233.7	230.5	227.2	223.1	219.8	207.4
55°	209.1	208.2	208.2	205.8	204.1	205.8	202.4	200.0	194.3	190.2	177.8
57.5°	185.2	185.2	183.5	181.1	181.9	181.9	178.6	175.4	170.4	165.4	155.6
60°	164.6	164.6	164.6	162.1	162.1	162.1	160.5	157.3	153.1	148.2	138.3
62.5°	148.2	148.2	147.3	144.9	145.6	145.6	144.0	140.8	136.6	133.4	123.4
65°	135.0	135.0	135.0	132.5	132.5	133.4	131.7	128.4	125.1	121.0	111.9
67.5°	118.6	117.7	117.7	116.0	116.9	117.7	116.0	113.6	109.5	107.0	98.8
70°	97.9	98.8	99.6	97.1	97.9	97.9	97.1	94.7	92.2	89.7	82.3
72.5°	79.9	79.9	79.0	78.2	78.2	79.0	77.4	74.9	73.3	71.6	65.8
75°	60.9	60.1	60.9	59.2	59.2	59.2	57.6	56.8	55.9	53.5	49.4
77.5°	44.4	43.6	43.6	42.0	42.8	42.8	42.0	40.3	38.7	37.9	34.6
80°	30.5	30.5	30.5	29.6	29.6	28.8	28.8	28.0	26.3	25.5	23.9
82.5°	20.6	20.6	20.6	19.8	19.8	19.8	18.9	18.1	17.3	16.5	14.8
85°	13.2	13.2	13.2	12.4	12.4	12.4	11.5	11.5	10.7	9.8	8.2
87.5°	7.4	7.4	7.4	6.6	6.6	6.6	6.6	6.6	5.7	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



TEST NUMBER: P844077

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBSWLI

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0
2.5°	857.6	846.1	853.5	853.5	851.1	857.6	861.8	865.0	864.3	856.9	856.0
5°	851.1	841.2	849.4	850.2	847.8	856.9	862.6	866.7	867.6	861.0	861.8
7.5°	846.1	838.0	848.6	851.9	851.1	859.3	865.9	872.4	875.8	870.9	871.7
10°	843.7	837.1	848.6	853.5	854.4	863.5	873.3	882.4	886.5	883.2	885.7
12.5°	840.4	836.3	849.4	856.9	860.2	869.2	881.5	892.2	898.9	897.2	902.2
15°	837.1	833.8	849.4	860.2	864.3	872.4	886.5	902.2	909.6	908.7	915.3
17.5°	828.9	828.0	844.5	856.0	861.8	871.7	884.8	903.7	911.2	912.8	921.1
20°	815.8	815.8	833.8	846.1	852.8	861.8	878.3	896.3	905.4	907.0	916.1
22.5°	797.6	799.3	816.5	828.9	838.8	845.4	862.6	881.5	889.8	892.2	902.2
25°	773.8	775.4	791.9	804.2	814.9	822.3	838.8	856.0	865.9	868.3	875.8
27.5°	742.5	745.7	761.4	773.8	782.8	787.7	805.0	823.2	830.5	833.0	840.4
30°	706.2	707.0	722.7	733.4	742.5	746.6	761.4	780.3	786.0	788.6	799.3
32.5°	661.8	660.9	675.8	685.7	693.1	698.0	713.6	726.0	731.8	735.9	741.6
35°	608.2	607.4	618.2	629.7	635.4	637.1	652.8	665.9	669.2	672.4	679.8
37.5°	548.2	548.2	557.3	563.0	569.5	572.1	579.5	594.3	600.1	599.3	605.0
40°	484.8	481.5	488.1	493.9	495.5	496.3	503.8	515.3	519.4	519.4	523.5
42.5°	418.2	413.2	414.1	417.3	418.9	413.2	418.2	425.5	423.1	426.3	427.2
45°	347.3	339.9	336.6	329.2	330.9	325.1	321.8	323.4	322.7	314.4	316.1
47.5°	289.7	276.6	270.8	260.1	257.6	251.1	247.0	239.6	233.0	233.0	228.8
50°	241.1	228.0	216.5	204.1	200.0	194.3	185.2	175.4	170.4	165.4	161.3
52.5°	202.4	188.5	174.5	161.3	155.6	148.2	135.8	126.0	116.9	111.9	107.0
55°	171.2	155.6	140.8	126.7	119.4	111.9	99.6	88.1	77.4	70.8	66.6
57.5°	147.3	132.5	116.9	102.1	95.5	87.3	74.1	61.8	51.8	44.4	40.3
60°	130.1	115.3	101.2	85.6	79.0	70.8	56.8	45.3	35.4	28.8	23.9
62.5°	115.3	102.1	87.3	73.3	66.6	58.5	45.3	33.7	24.6	18.1	14.0
65°	104.5	91.4	79.0	65.0	59.2	51.1	38.7	28.0	19.8	14.0	9.8
67.5°	92.2	80.7	68.3	56.8	51.1	44.4	32.9	23.9	16.5	11.5	8.2
70°	77.4	68.3	57.6	47.0	42.8	37.0	27.2	19.8	13.2	9.1	6.6
72.5°	61.8	54.4	46.1	37.9	34.6	28.8	22.2	15.7	9.8	6.6	5.0
75°	47.0	41.1	34.6	28.8	25.5	22.2	16.5	11.5	7.4	5.0	3.3
77.5°	32.2	29.6	24.6	19.8	18.1	15.7	10.7	7.4	5.0	3.3	1.7
80°	22.2	19.8	16.5	13.2	11.5	9.8	6.6	5.0	2.4	1.7	0.8
82.5°	14.0	11.5	9.8	8.2	7.4	5.7	4.1	2.4	1.7	0.8	0.8
85°	7.4	6.6	5.7	4.1	4.1	3.3	2.4	1.7	0.8	0.0	0.0
87.5°	4.1	3.3	2.4	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°	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0
2.5°	865.9	865.9	865.0	875.0	863.5	875.0	869.2	875.0	866.7	865.9	866.7
5°	872.4	875.0	875.8	884.8	874.1	888.1	883.2	888.1	882.4	884.0	886.5
7.5°	885.7	889.8	888.9	900.5	889.8	905.4	902.2	909.6	903.7	905.4	908.7
10°	900.5	905.4	906.3	917.8	907.9	926.8	922.7	930.9	926.0	928.5	932.6
12.5°	917.8	923.5	924.4	937.5	926.8	946.6	944.1	952.3	948.2	950.7	955.7
15°	930.9	939.2	940.9	954.0	942.5	963.1	961.4	972.1	965.5	969.6	973.8
17.5°	937.5	944.9	948.2	960.5	950.7	971.2	969.6	978.7	973.8	977.9	982.8
20°	933.4	942.5	944.9	957.3	947.4	967.9	965.5	974.6	969.6	972.9	977.9
22.5°	918.6	927.7	930.9	942.5	933.4	952.3	951.6	959.8	953.1	957.3	961.4
25°	892.2	902.2	903.7	914.4	904.6	924.4	922.7	931.8	926.8	929.2	935.1
27.5°	854.4	865.9	868.3	877.4	870.0	886.5	886.5	893.9	888.1	888.1	893.9
30°	809.1	820.6	822.3	829.7	823.2	838.0	838.8	846.1	837.1	842.1	842.8
32.5°	754.0	761.4	766.3	772.9	763.0	781.9	779.5	785.2	780.3	780.3	784.4
35°	687.3	696.3	698.9	707.0	698.9	713.6	713.6	717.0	712.0	712.0	718.6
37.5°	614.9	621.5	622.3	630.5	623.9	636.3	635.4	638.0	633.0	636.3	636.3
40°	530.1	535.1	536.6	540.8	539.9	549.0	548.2	549.9	547.3	548.2	549.9
42.5°	431.3	437.9	441.1	444.4	439.6	451.9	449.4	451.9	451.1	451.9	454.4
45°	317.7	322.7	325.1	326.0	324.3	331.7	337.5	332.5	333.4	331.7	335.1
47.5°	229.6	230.5	228.8	233.7	229.6	233.0	234.6	235.4	230.5	229.6	233.0
50°	157.3	161.3	155.6	158.0	157.3	160.5	158.9	159.7	154.7	157.3	155.6
52.5°	104.5	103.6	102.1	102.9	101.2	101.2	101.2	102.9	99.6	97.9	96.4
55°	63.4	61.8	58.5	57.6	57.6	58.5	56.8	55.2	55.2	54.4	54.4
57.5°	37.0	34.6	32.9	32.2	30.5	29.6	28.8	28.8	27.2	27.2	27.2
60°	20.6	18.1	16.5	14.8	14.8	14.0	13.2	12.4	12.4	12.4	11.5
62.5°	10.7	9.1	7.4	6.6	6.6	5.7	5.0	5.0	5.0	5.0	4.1
65°	7.4	5.7	5.0	4.1	4.1	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	5.7	5.0	4.1	3.3	3.3	3.3	2.4	2.4	2.4	2.4	2.4
70°	5.0	3.3	3.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
72.5°	3.3	3.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
75°	2.4	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°	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0
2.5°	874.1	873.3	874.1	875.8	872.4	882.4	877.4	882.4
5°	893.1	893.9	894.8	897.2	893.1	905.4	898.9	906.3
7.5°	917.8	918.6	919.4	921.9	919.4	931.8	924.4	930.9
10°	943.3	944.9	944.9	949.0	946.6	958.1	953.1	961.4
12.5°	967.1	968.8	970.5	972.9	971.2	983.6	979.5	986.0
15°	986.0	989.3	990.2	993.4	991.8	1005.0	1000.1	1006.7
17.5°	995.1	998.4	998.4	1002.5	1000.9	1014.9	1008.2	1015.8
20°	990.2	992.7	993.4	997.7	996.0	1009.9	1003.4	1012.4
22.5°	974.6	975.3	976.2	980.3	979.5	991.8	986.0	991.8
25°	945.7	948.2	947.4	950.7	950.7	960.5	954.0	959.0
27.5°	904.6	907.0	907.0	911.2	907.9	917.8	911.2	918.6
30°	854.4	856.9	855.2	858.5	855.2	865.0	860.2	862.6
32.5°	794.3	794.3	795.1	796.0	794.3	803.4	798.4	803.4
35°	722.7	724.4	725.1	726.0	724.4	730.9	725.1	728.4
37.5°	642.0	646.1	645.3	646.1	643.7	651.9	647.0	648.6
40°	555.6	555.6	554.7	556.4	554.0	560.5	557.3	558.9
42.5°	455.2	457.6	454.4	458.5	451.9	460.9	457.6	455.2
45°	341.6	338.3	337.5	338.3	335.8	336.6	339.1	337.5
47.5°	233.0	233.0	231.3	228.8	232.2	233.0	229.6	229.6
50°	156.4	156.4	154.7	153.9	155.6	154.7	153.1	155.6
52.5°	99.6	96.4	96.4	97.9	96.4	94.7	97.1	95.5
55°	54.4	52.7	52.7	54.4	52.7	52.7	51.8	53.5
57.5°	26.3	27.2	26.3	26.3	26.3	26.3	25.5	26.3
60°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
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°	2.4	2.4	2.4	2.4	2.4	3.3	2.4	2.4
70°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
72.5°	2.4	2.4	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)