

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: P844043

Luminaire Tested: **LD6C15DE010B2750 EU6C15B30 6LBSWLI**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844043  
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 EU6C15B30 6LBSWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

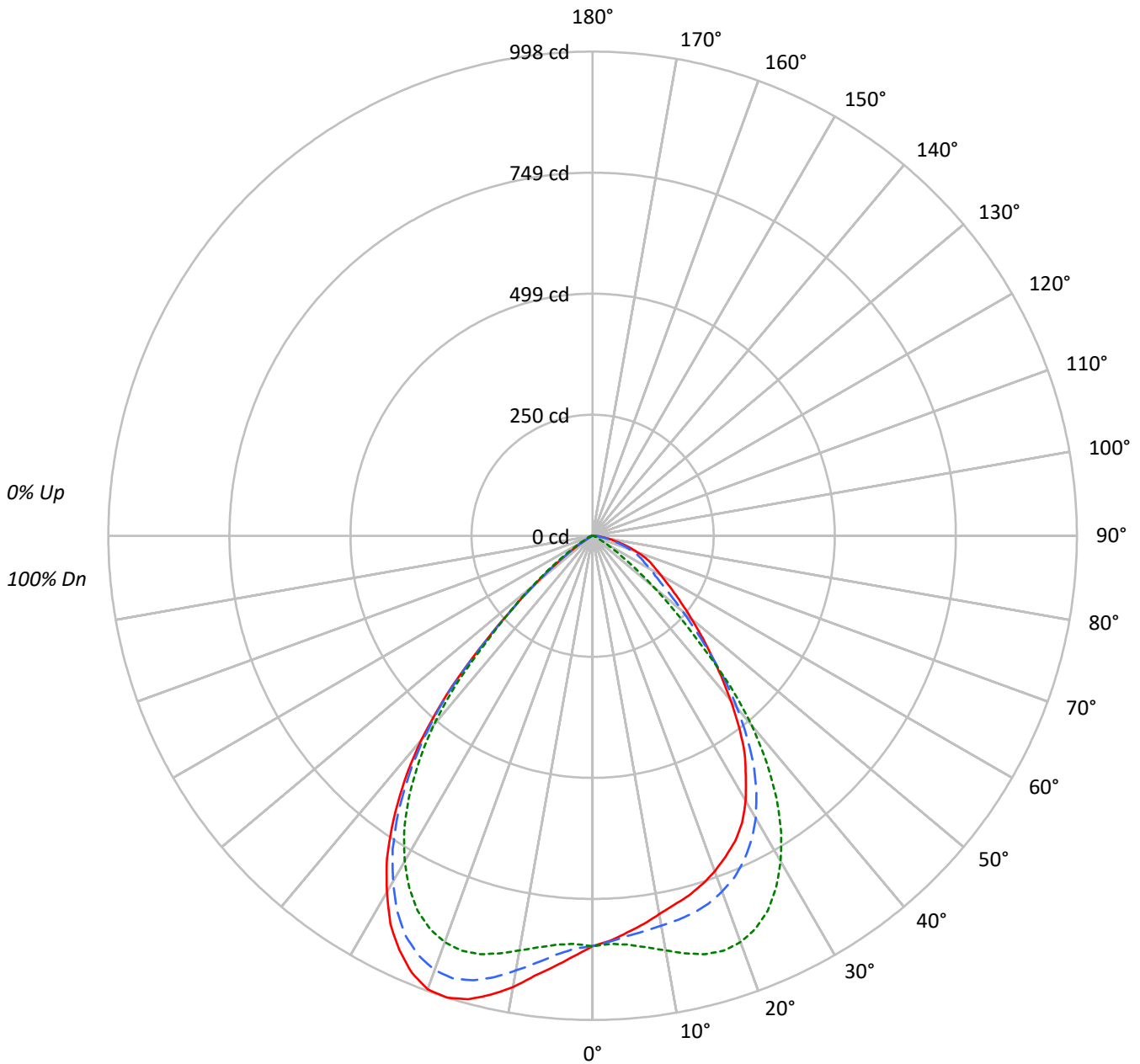
Lumens per Lamp: N/A  
Luminaire Lumens: 1546.2 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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									
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°	46372	46372	46372
5°	45168	46550	48998
10°	44071	48307	52582
15°	43559	50676	56135
20°	42931	51997	58029
25°	42027	51608	56985
30°	39930	49046	53654
35°	36527	44216	47897
40°	31602	36518	39295
45°	26646	23948	25708
50°	22626	13867	13032
55°	19631	6652	5027
60°	17729	3103	1239
65°	17200	1777	415
70°	15419	1427	385
75°	12687	1038	169
80°	9439	505	0
85°	8114	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.7	5.3
10°-20°	249.0	16.1
20°-30°	380.5	24.6
30°-40°	397.9	25.7
40°-50°	258.1	16.7
50°-60°	102.5	6.6
60°-70°	48.6	3.1
70°-80°	23.1	1.5
80°-90°	4.7	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°	711.2	46.0
0°-40°	1109.2	71.7
0°-60°	1469.8	95.1
0°-90°	1546.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1546.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	846	846	846	846	846	
5°	821	828	846	867	890	78
15°	768	805	893	949	989	216
25°	695	738	853	911	942	318
35°	546	579	661	700	716	338
45°	344	340	309	328	332	267
55°	205	175	70	54	53	186
65°	133	110	14	3	3	130
75°	60	48	5	2	1	65
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°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9
2.5°	835.4	837.0	828.1	825.7	832.1	834.6	835.4	833.0	833.8	837.0	837.0
5°	820.8	822.4	814.4	811.9	818.4	820.1	822.4	821.7	824.1	829.0	828.1
7.5°	807.1	809.5	800.6	797.5	805.5	809.5	811.2	811.2	814.4	820.8	821.7
10°	791.7	795.0	786.9	785.3	794.2	798.2	799.0	800.6	805.5	814.4	816.0
12.5°	778.8	782.0	776.4	774.0	783.6	787.7	789.3	792.6	798.2	809.5	811.2
15°	767.5	770.0	763.4	761.8	771.5	776.4	777.1	782.0	789.3	802.2	804.6
17.5°	752.9	754.5	749.7	748.1	757.8	762.7	763.4	769.1	778.0	790.9	795.0
20°	735.9	737.6	732.7	731.1	740.8	746.5	747.2	752.1	762.7	776.4	780.4
22.5°	715.7	719.0	713.3	711.7	721.4	726.3	728.7	732.7	743.2	756.9	762.7
25°	694.8	694.8	690.6	689.9	698.8	704.4	703.5	709.2	719.7	733.6	738.3
27.5°	667.2	666.4	662.3	661.5	671.3	676.1	674.5	680.2	689.9	703.5	708.4
30°	630.8	632.5	626.8	625.2	633.2	641.3	640.5	646.2	655.8	668.8	672.0
32.5°	587.1	588.8	587.9	585.5	592.8	596.8	599.3	603.3	611.4	625.2	628.3
35°	545.8	543.4	540.2	540.2	547.5	554.0	551.6	556.4	564.5	578.2	579.1
37.5°	495.0	494.1	492.5	490.8	499.0	500.6	501.4	504.6	511.9	523.2	521.6
40°	441.6	442.4	441.6	438.3	443.1	449.6	448.9	450.4	456.9	465.0	462.6
42.5°	391.4	391.4	391.4	388.2	393.9	397.1	398.7	397.9	399.5	406.8	403.6
45°	343.7	344.5	343.7	342.9	343.7	345.3	343.7	342.9	342.9	345.3	340.5
47.5°	302.5	302.5	300.1	297.6	300.1	300.8	298.5	296.0	295.2	294.3	286.3
50°	265.3	264.4	263.7	259.6	262.0	262.8	259.6	258.0	254.8	250.7	241.0
52.5°	232.9	232.2	231.3	227.3	228.9	229.7	226.4	223.2	219.1	216.0	203.8
55°	205.4	204.5	204.5	202.2	200.5	202.2	198.9	196.5	190.9	186.8	174.7
57.5°	181.9	181.9	180.3	177.9	178.7	178.7	175.5	172.3	167.4	162.6	152.8
60°	161.7	161.7	161.7	159.3	159.3	159.3	157.7	154.5	150.4	145.5	135.9
62.5°	145.5	145.5	144.8	142.4	143.1	143.1	141.5	138.3	134.2	131.0	121.3
65°	132.6	132.6	132.6	130.2	130.2	131.0	129.3	126.2	122.9	118.9	110.0
67.5°	116.4	115.7	115.7	114.0	114.9	115.7	114.0	111.6	107.6	105.1	97.1
70°	96.2	97.1	97.8	95.4	96.2	96.2	95.4	93.0	90.5	88.1	80.9
72.5°	78.5	78.5	77.6	76.9	76.9	77.6	76.0	73.6	72.0	70.3	64.7
75°	59.9	59.0	59.9	58.3	58.3	58.3	56.6	55.8	55.0	52.6	48.5
77.5°	43.7	42.8	42.8	41.2	42.1	42.1	41.2	39.7	38.0	37.2	34.0
80°	29.9	29.9	29.9	29.1	29.1	28.3	28.3	27.5	25.9	25.1	23.5
82.5°	20.2	20.2	20.2	19.5	19.5	19.5	18.6	17.8	17.0	16.2	14.6
85°	12.9	12.9	12.9	12.2	12.2	12.2	11.3	11.3	10.5	9.7	8.0
87.5°	7.3	7.3	7.3	6.5	6.5	6.5	6.5	6.5	5.6	4.9	4.0
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°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9
2.5°	842.7	831.4	838.6	838.6	836.3	842.7	846.7	850.0	849.2	841.9	841.0
5°	836.3	826.5	834.6	835.4	833.0	841.9	847.6	851.6	852.5	845.9	846.7
7.5°	831.4	823.3	833.8	837.0	836.3	844.3	850.8	857.2	860.5	855.6	856.5
10°	829.0	822.4	833.8	838.6	839.4	848.3	858.1	866.9	871.0	867.8	870.2
12.5°	825.7	821.7	834.6	841.9	845.2	854.0	866.1	876.7	883.1	881.5	886.4
15°	822.4	819.2	834.6	845.2	849.2	857.2	871.0	886.4	893.7	892.9	899.3
17.5°	814.4	813.6	829.7	841.0	846.7	856.5	869.4	888.0	895.3	896.9	904.9
20°	801.5	801.5	819.2	831.4	837.9	846.7	862.9	880.7	889.6	891.3	900.2
22.5°	783.6	785.3	802.2	814.4	824.1	830.6	847.6	866.1	874.2	876.7	886.4
25°	760.2	761.8	778.0	790.2	800.6	807.9	824.1	841.0	850.8	853.2	860.5
27.5°	729.4	732.7	748.1	760.2	769.1	774.0	790.9	808.8	816.0	818.4	825.7
30°	693.9	694.8	710.1	720.6	729.4	733.6	748.1	766.7	772.4	774.8	785.3
32.5°	650.2	649.4	664.0	673.7	680.9	685.8	701.1	713.3	719.0	723.0	728.7
35°	597.7	596.8	607.4	618.7	624.3	625.9	641.3	654.3	657.5	660.7	668.0
37.5°	538.7	538.7	547.5	553.1	559.6	562.0	569.3	583.9	589.5	588.8	594.4
40°	476.4	473.1	479.5	485.2	486.8	487.7	495.0	506.3	510.3	510.3	514.3
42.5°	410.8	406.0	406.8	410.0	411.6	406.0	410.8	418.1	415.7	418.9	419.8
45°	341.3	334.0	330.7	323.5	325.1	319.4	316.2	317.8	317.1	308.9	310.5
47.5°	284.6	271.7	266.1	255.5	253.1	246.6	242.6	235.3	228.9	228.9	224.9
50°	237.0	224.0	212.7	200.5	196.5	190.9	181.9	172.3	167.4	162.6	158.5
52.5°	198.9	185.2	171.4	158.5	152.8	145.5	133.5	123.7	114.9	110.0	105.1
55°	168.2	152.8	138.3	124.5	117.3	110.0	97.8	86.5	76.0	69.6	65.5
57.5°	144.8	130.2	114.9	100.3	93.8	85.7	72.8	60.6	51.0	43.7	39.7
60°	127.8	113.3	99.5	84.1	77.6	69.6	55.8	44.4	34.8	28.3	23.5
62.5°	113.3	100.3	85.7	72.0	65.5	57.4	44.4	33.2	24.2	17.8	13.7
65°	102.7	89.8	77.6	63.9	58.3	50.1	38.0	27.5	19.5	13.7	9.7
67.5°	90.5	79.2	67.2	55.8	50.1	43.7	32.4	23.5	16.2	11.3	8.0
70°	76.0	67.2	56.6	46.1	42.1	36.4	26.7	19.5	12.9	8.9	6.5
72.5°	60.6	53.4	45.3	37.2	34.0	28.3	21.8	15.3	9.7	6.5	4.9
75°	46.1	40.4	34.0	28.3	25.1	21.8	16.2	11.3	7.3	4.9	3.2
77.5°	31.5	29.1	24.2	19.5	17.8	15.3	10.5	7.3	4.9	3.2	1.6
80°	21.8	19.5	16.2	12.9	11.3	9.7	6.5	4.9	2.4	1.6	0.8
82.5°	13.7	11.3	9.7	8.0	7.3	5.6	4.0	2.4	1.6	0.8	0.8
85°	7.3	6.5	5.6	4.0	4.0	3.2	2.4	1.6	0.8	0.0	0.0
87.5°	4.0	3.2	2.4	1.6	1.6	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°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9
2.5°	850.8	850.8	850.0	859.6	848.3	859.6	854.0	859.6	851.6	850.8	851.6
5°	857.2	859.6	860.5	869.4	858.9	872.7	867.8	872.7	866.9	868.5	871.0
7.5°	870.2	874.2	873.4	884.7	874.2	889.6	886.4	893.7	888.0	889.6	892.9
10°	884.7	889.6	890.4	901.7	892.0	910.6	906.6	914.6	909.8	912.2	916.3
12.5°	901.7	907.3	908.2	921.1	910.6	930.1	927.7	935.7	931.7	934.1	939.0
15°	914.6	922.8	924.4	937.3	926.0	946.2	944.6	955.1	948.6	952.7	956.7
17.5°	921.1	928.4	931.7	943.7	934.1	954.3	952.7	961.6	956.7	960.8	965.6
20°	917.1	926.0	928.4	940.6	930.8	951.0	948.6	957.6	952.7	955.9	960.8
22.5°	902.5	911.5	914.6	926.0	917.1	935.7	934.9	943.0	936.5	940.6	944.6
25°	876.7	886.4	888.0	898.5	888.8	908.2	906.6	915.5	910.6	913.1	918.7
27.5°	839.4	850.8	853.2	862.1	854.9	871.0	871.0	878.3	872.7	872.7	878.3
30°	795.0	806.3	807.9	815.2	808.8	823.3	824.1	831.4	822.4	827.3	828.1
32.5°	740.8	748.1	752.9	759.4	749.7	768.3	765.8	771.5	766.7	766.7	770.7
35°	675.3	684.2	686.6	694.8	686.6	701.1	701.1	704.4	699.5	699.5	706.0
37.5°	604.1	610.6	611.4	619.5	613.0	625.2	624.3	626.8	621.9	625.2	625.2
40°	520.8	525.6	527.3	531.4	530.5	539.4	538.7	540.2	537.8	538.7	540.2
42.5°	423.8	430.2	433.5	436.7	431.8	444.0	441.6	444.0	443.1	444.0	446.4
45°	312.2	317.1	319.4	320.3	318.7	325.9	331.6	326.7	327.5	325.9	329.1
47.5°	225.6	226.4	224.9	229.7	225.6	228.9	230.5	231.3	226.4	225.6	228.9
50°	154.5	158.5	152.8	155.3	154.5	157.7	156.1	157.0	152.1	154.5	152.8
52.5°	102.7	101.9	100.3	101.1	99.5	99.5	99.5	101.1	97.8	96.2	94.7
55°	62.3	60.6	57.4	56.6	56.6	57.4	55.8	54.2	54.2	53.4	53.4
57.5°	36.4	34.0	32.4	31.5	29.9	29.1	28.3	28.3	26.7	26.7	26.7
60°	20.2	17.8	16.2	14.6	14.6	13.7	12.9	12.2	12.2	12.2	11.3
62.5°	10.5	8.9	7.3	6.5	6.5	5.6	4.9	4.9	4.9	4.9	4.0
65°	7.3	5.6	4.9	4.0	4.0	3.2	3.2	3.2	3.2	3.2	3.2
67.5°	5.6	4.9	4.0	3.2	3.2	3.2	2.4	2.4	2.4	2.4	2.4
70°	4.9	3.2	3.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
72.5°	3.2	3.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
75°	2.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9
2.5°	858.9	858.1	858.9	860.5	857.2	866.9	862.1	866.9
5°	877.5	878.3	879.1	881.5	877.5	889.6	883.1	890.4
7.5°	901.7	902.5	903.3	905.8	903.3	915.5	908.2	914.6
10°	926.8	928.4	928.4	932.5	930.1	941.3	936.5	944.6
12.5°	950.3	951.9	953.5	955.9	954.3	966.5	962.3	968.9
15°	968.9	972.1	972.9	976.1	974.5	987.4	982.5	989.1
17.5°	977.8	981.0	981.0	985.0	983.4	997.1	990.7	998.0
20°	972.9	975.3	976.1	980.2	978.5	992.3	985.8	994.7
22.5°	957.6	958.3	959.2	963.2	962.3	974.5	968.9	974.5
25°	929.2	931.7	930.8	934.1	934.1	943.7	937.3	942.1
27.5°	888.8	891.3	891.3	895.3	892.0	901.7	895.3	902.5
30°	839.4	841.9	840.3	843.5	840.3	850.0	845.2	847.6
32.5°	780.4	780.4	781.2	782.0	780.4	789.3	784.4	789.3
35°	710.1	711.7	712.5	713.3	711.7	718.1	712.5	715.7
37.5°	630.8	634.9	634.1	634.9	632.5	640.5	635.6	637.3
40°	545.8	545.8	545.1	546.7	544.3	550.7	547.5	549.1
42.5°	447.3	449.6	446.4	450.4	444.0	452.9	449.6	447.3
45°	335.6	332.4	331.6	332.4	330.0	330.7	333.2	331.6
47.5°	228.9	228.9	227.3	224.9	228.0	228.9	225.6	225.6
50°	153.7	153.7	152.1	151.2	152.8	152.1	150.4	152.8
52.5°	97.8	94.7	94.7	96.2	94.7	93.0	95.4	93.8
55°	53.4	51.7	51.7	53.4	51.7	51.7	51.0	52.6
57.5°	25.9	26.7	25.9	25.9	25.9	25.9	25.1	25.9
60°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
62.5°	4.9	4.9	4.0	4.0	4.0	4.0	4.0	4.0
65°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
67.5°	2.4	2.4	2.4	2.4	2.4	3.2	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	3.2	3.2	3.2	3.2	3.2	3.2
75°	1.6	1.6	1.6	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)