

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: P844094

Luminaire Tested: **LD6C15DE010B50 EU6C15B50 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844094
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: LD6C15DE010B50 EU6C15B50 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

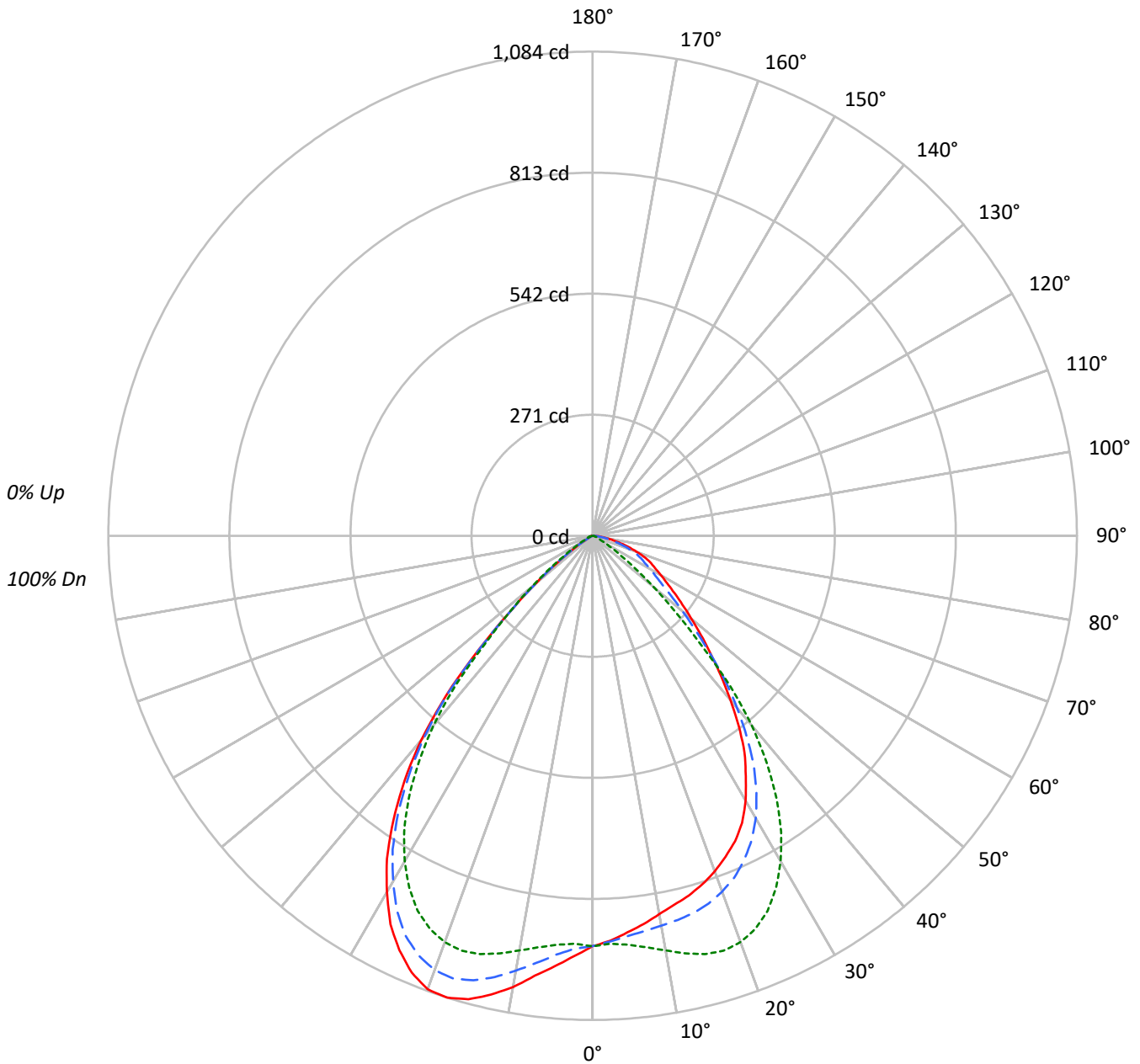
Lumens per Lamp: N/A
Luminaire Lumens: 1679.5 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	50374	50374	50374
5°	49064	50567	53219
10°	47873	52471	57113
15°	47310	55034	60971
20°	46636	56477	63035
25°	45644	56054	61903
30°	43367	53274	58275
35°	39679	48031	52026
40°	34321	39667	42680
45°	28941	26018	27918
50°	24571	15053	14157
55°	21333	7216	5457
60°	19264	3377	1349
65°	18679	1933	454
70°	16750	1539	417
75°	13768	1123	169
80°	10260	568	0
85°	8869	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	5.3
10°-20°	270.5	16.1
20°-30°	413.3	24.6
30°-40°	432.2	25.7
40°-50°	280.4	16.7
50°-60°	111.3	6.6
60°-70°	52.8	3.1
70°-80°	25.1	1.5
80°-90°	5.1	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°	772.5	46.0
0°-40°	1204.7	71.7
0°-60°	1596.5	95.1
0°-90°	1679.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1679.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	919	919	919	919	919	
5°	892	900	919	942	967	84
15°	834	874	970	1030	1074	235
25°	755	802	927	989	1023	346
35°	593	629	718	760	777	367
45°	373	370	336	356	360	290
55°	223	190	76	59	57	202
65°	144	119	15	4	4	141
75°	65	53	5	2	1	70
85°	14	9	0	0	0	16
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°	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9
2.5°	907.4	909.1	899.5	896.9	904.0	906.5	907.4	904.8	905.7	909.1	909.1
5°	891.6	893.4	884.6	882.0	888.9	890.7	893.4	892.5	895.2	900.4	899.5
7.5°	876.7	879.3	869.7	866.1	874.9	879.3	881.1	881.1	884.6	891.6	892.5
10°	860.0	863.5	854.7	853.0	862.6	867.0	867.9	869.7	874.9	884.6	886.3
12.5°	845.9	849.4	843.3	840.6	851.2	855.6	857.3	860.8	867.0	879.3	881.1
15°	833.6	836.3	829.2	827.5	838.0	843.3	844.2	849.4	857.3	871.4	874.0
17.5°	817.8	819.6	814.3	812.6	823.1	828.3	829.2	835.3	845.0	859.1	863.5
20°	799.4	801.2	795.9	794.1	804.6	810.8	811.6	816.9	828.3	843.3	847.7
22.5°	777.4	781.0	774.8	773.0	783.6	788.8	791.4	795.9	807.3	822.2	828.3
25°	754.6	754.6	750.2	749.3	759.0	765.1	764.2	770.4	781.8	796.7	802.0
27.5°	724.7	723.8	719.4	718.6	729.1	734.4	732.6	738.8	749.3	764.2	769.5
30°	685.1	686.9	680.8	679.0	687.8	696.6	695.7	701.8	712.4	726.5	730.0
32.5°	637.8	639.4	638.6	636.0	643.9	648.2	650.9	655.3	664.1	679.0	682.5
35°	592.9	590.3	586.8	586.8	594.7	601.7	599.0	604.3	613.1	628.0	629.0
37.5°	537.6	536.7	535.0	533.3	542.0	543.7	544.7	548.2	556.1	568.4	566.6
40°	479.6	480.5	479.6	476.0	481.3	488.4	487.5	489.3	496.3	505.1	502.5
42.5°	425.2	425.2	425.2	421.7	427.8	431.3	433.1	432.1	433.9	441.9	438.3
45°	373.3	374.2	373.3	372.5	373.3	375.1	373.3	372.5	372.5	375.1	369.9
47.5°	328.5	328.5	325.9	323.2	325.9	326.8	324.2	321.5	320.6	319.7	310.9
50°	288.1	287.3	286.4	282.0	284.6	285.5	282.0	280.2	276.7	272.3	261.8
52.5°	253.0	252.1	251.2	246.9	248.6	249.5	246.0	242.4	238.1	234.6	221.4
55°	223.2	222.2	222.2	219.7	217.9	219.7	216.1	213.4	207.3	203.0	189.7
57.5°	197.7	197.7	195.9	193.2	194.2	194.2	190.6	187.1	181.8	176.5	166.0
60°	175.7	175.7	175.7	173.0	173.0	173.0	171.3	167.7	163.4	158.1	147.5
62.5°	158.1	158.1	157.3	154.6	155.5	155.5	153.7	150.2	145.8	142.3	131.8
65°	144.0	144.0	144.0	141.4	141.4	142.3	140.6	137.1	133.5	129.1	119.4
67.5°	126.5	125.6	125.6	123.8	124.7	125.6	123.8	121.2	116.9	114.2	105.4
70°	104.5	105.4	106.3	103.6	104.5	104.5	103.6	101.0	98.4	95.7	87.9
72.5°	85.2	85.2	84.3	83.4	83.4	84.3	82.6	80.0	78.2	76.5	70.2
75°	65.0	64.1	65.0	63.2	63.2	63.2	61.4	60.6	59.8	57.1	52.7
77.5°	47.5	46.5	46.5	44.8	45.7	45.7	44.8	43.0	41.2	40.4	36.9
80°	32.5	32.5	32.5	31.6	31.6	30.8	30.8	29.9	28.1	27.3	25.5
82.5°	22.0	22.0	22.0	21.0	21.0	21.0	20.2	19.4	18.5	17.6	15.9
85°	14.1	14.1	14.1	13.2	13.2	13.2	12.3	12.3	11.4	10.6	8.8
87.5°	7.9	7.9	7.9	7.0	7.0	7.0	7.0	7.0	6.1	5.3	4.4
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°	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9
2.5°	915.3	903.0	910.9	910.9	908.3	915.3	919.7	923.2	922.4	914.4	913.6
5°	908.3	897.7	906.5	907.4	904.8	914.4	920.6	925.0	925.9	918.9	919.7
7.5°	903.0	894.2	905.7	909.1	908.3	917.1	924.2	931.1	934.6	929.3	930.3
10°	900.4	893.4	905.7	910.9	911.8	921.5	932.0	941.7	946.1	942.6	945.2
12.5°	896.9	892.5	906.5	914.4	917.9	927.7	940.8	952.2	959.3	957.5	962.8
15°	893.4	889.9	906.5	917.9	922.4	931.1	946.1	962.8	970.7	969.7	976.8
17.5°	884.6	883.7	901.3	913.6	919.7	930.3	944.3	964.5	972.4	974.2	983.0
20°	870.5	870.5	889.9	903.0	910.1	919.7	937.3	956.6	966.3	968.1	977.7
22.5°	851.2	853.0	871.4	884.6	895.2	902.2	920.6	940.8	949.5	952.2	962.8
25°	825.7	827.5	845.0	858.2	869.7	877.5	895.2	913.6	924.2	926.7	934.6
27.5°	792.4	795.9	812.6	825.7	835.3	840.6	859.1	878.5	886.3	888.9	896.9
30°	753.7	754.6	771.2	782.6	792.4	796.7	812.6	832.8	838.9	841.6	853.0
32.5°	706.3	705.3	721.2	731.8	739.6	744.9	761.6	774.8	781.0	785.3	791.4
35°	649.2	648.2	659.6	672.0	678.2	679.8	696.6	710.6	714.2	717.7	725.6
37.5°	585.1	585.1	594.7	600.8	607.8	610.5	618.4	634.3	640.4	639.4	645.6
40°	517.4	513.9	520.9	527.0	528.8	529.7	537.6	549.9	554.3	554.3	558.6
42.5°	446.2	440.9	441.9	445.4	447.1	440.9	446.2	454.1	451.5	455.0	455.9
45°	370.7	362.8	359.3	351.3	353.1	347.0	343.4	345.2	344.4	335.6	337.3
47.5°	309.1	295.2	288.9	277.6	275.0	267.9	263.6	255.6	248.6	248.6	244.2
50°	257.4	243.4	231.0	217.9	213.4	207.3	197.7	187.1	181.8	176.5	172.2
52.5°	216.1	201.2	186.2	172.2	166.0	158.1	144.9	134.4	124.7	119.4	114.2
55°	182.8	166.0	150.2	135.3	127.3	119.4	106.3	94.0	82.6	75.5	71.2
57.5°	157.3	141.4	124.7	108.9	101.9	93.1	79.1	65.9	55.3	47.5	43.0
60°	138.8	123.0	108.1	91.4	84.3	75.5	60.6	48.3	37.8	30.8	25.5
62.5°	123.0	108.9	93.1	78.2	71.2	62.4	48.3	36.1	26.3	19.4	14.9
65°	111.6	97.5	84.3	69.4	63.2	54.5	41.2	29.9	21.0	14.9	10.6
67.5°	98.4	86.1	72.9	60.6	54.5	47.5	35.1	25.5	17.6	12.3	8.8
70°	82.6	72.9	61.4	50.1	45.7	39.6	29.0	21.0	14.1	9.6	7.0
72.5°	65.9	58.0	49.2	40.4	36.9	30.8	23.7	16.7	10.6	7.0	5.3
75°	50.1	43.9	36.9	30.8	27.3	23.7	17.6	12.3	7.9	5.3	3.5
77.5°	34.3	31.6	26.3	21.0	19.4	16.7	11.4	7.9	5.3	3.5	1.8
80°	23.7	21.0	17.6	14.1	12.3	10.6	7.0	5.3	2.6	1.8	0.8
82.5°	14.9	12.3	10.6	8.8	7.9	6.1	4.4	2.6	1.8	0.8	0.8
85°	7.9	7.0	6.1	4.4	4.4	3.5	2.6	1.8	0.8	0.0	0.0
87.5°	4.4	3.5	2.6	1.8	1.8	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°	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9
2.5°	924.2	924.2	923.2	933.8	921.5	933.8	927.7	933.8	925.0	924.2	925.0
5°	931.1	933.8	934.6	944.3	932.9	947.9	942.6	947.9	941.7	943.4	946.1
7.5°	945.2	949.5	948.7	961.0	949.5	966.3	962.8	970.7	964.5	966.3	969.7
10°	961.0	966.3	967.1	979.5	968.9	989.1	984.7	993.4	988.3	990.9	995.2
12.5°	979.5	985.6	986.5	1000.5	989.1	1010.1	1007.5	1016.3	1011.9	1014.6	1019.9
15°	993.4	1002.2	1004.0	1018.1	1005.8	1027.7	1026.0	1037.4	1030.3	1034.8	1039.1
17.5°	1000.5	1008.5	1011.9	1025.2	1014.6	1036.6	1034.8	1044.4	1039.1	1043.6	1048.9
20°	996.1	1005.8	1008.5	1021.6	1011.1	1033.0	1030.3	1040.1	1034.8	1038.3	1043.6
22.5°	980.3	989.9	993.4	1005.8	996.1	1016.3	1015.4	1024.2	1017.2	1021.6	1026.0
25°	952.2	962.8	964.5	975.9	965.4	986.5	984.7	994.4	989.1	991.7	997.9
27.5°	911.8	924.2	926.7	936.4	928.5	946.1	946.1	954.0	947.9	947.9	954.0
30°	863.5	875.8	877.5	885.5	878.5	894.2	895.2	903.0	893.4	898.7	899.5
32.5°	804.6	812.6	817.8	824.8	814.3	834.5	831.8	838.0	832.8	832.8	837.1
35°	733.5	743.2	745.8	754.6	745.8	761.6	761.6	765.1	759.8	759.8	766.9
37.5°	656.2	663.2	664.1	672.9	665.8	679.0	678.2	680.8	675.5	679.0	679.0
40°	565.7	571.0	572.7	577.2	576.3	585.9	585.1	586.8	584.1	585.1	586.8
42.5°	460.3	467.3	470.9	474.3	469.1	482.3	479.6	482.3	481.3	482.3	484.9
45°	339.1	344.4	347.0	347.9	346.1	354.0	360.1	354.8	355.8	354.0	357.5
47.5°	245.1	246.0	244.2	249.5	245.1	248.6	250.3	251.2	246.0	245.1	248.6
50°	167.7	172.2	166.0	168.7	167.7	171.3	169.5	170.4	165.1	167.7	166.0
52.5°	111.6	110.6	108.9	109.8	108.1	108.1	108.1	109.8	106.3	104.5	102.8
55°	67.7	65.9	62.4	61.4	61.4	62.4	60.6	58.9	58.9	58.0	58.0
57.5°	39.6	36.9	35.1	34.3	32.5	31.6	30.8	30.8	29.0	29.0	29.0
60°	22.0	19.4	17.6	15.9	15.9	14.9	14.1	13.2	13.2	13.2	12.3
62.5°	11.4	9.6	7.9	7.0	7.0	6.1	5.3	5.3	5.3	5.3	4.4
65°	7.9	6.1	5.3	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	6.1	5.3	4.4	3.5	3.5	3.5	2.6	2.6	2.6	2.6	2.6
70°	5.3	3.5	3.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
72.5°	3.5	3.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	2.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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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CATALOG NUMBER: LD6C15DE010B50 EU6C15B50 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	918.9	918.9	918.9	918.9	918.9	918.9	918.9	918.9
2.5°	932.9	932.0	932.9	934.6	931.1	941.7	936.4	941.7
5°	953.1	954.0	954.8	957.5	953.1	966.3	959.3	967.1
7.5°	979.5	980.3	981.2	983.8	981.2	994.4	986.5	993.4
10°	1006.7	1008.5	1008.5	1012.8	1010.1	1022.5	1017.2	1026.0
12.5°	1032.1	1033.9	1035.6	1038.3	1036.6	1049.7	1045.4	1052.3
15°	1052.3	1055.8	1056.8	1060.3	1058.5	1072.5	1067.3	1074.3
17.5°	1062.1	1065.6	1065.6	1069.9	1068.2	1083.1	1076.0	1084.0
20°	1056.8	1059.4	1060.3	1064.6	1062.9	1077.8	1070.9	1080.5
22.5°	1040.1	1040.9	1041.8	1046.2	1045.4	1058.5	1052.3	1058.5
25°	1009.3	1011.9	1011.1	1014.6	1014.6	1025.2	1018.1	1023.4
27.5°	965.4	968.1	968.1	972.4	968.9	979.5	972.4	980.3
30°	911.8	914.4	912.7	916.2	912.7	923.2	917.9	920.6
32.5°	847.7	847.7	848.5	849.4	847.7	857.3	852.0	857.3
35°	771.2	773.0	773.9	774.8	773.0	780.0	773.9	777.4
37.5°	685.1	689.6	688.7	689.6	686.9	695.7	690.4	692.2
40°	592.9	592.9	592.1	593.9	591.2	598.2	594.7	596.4
42.5°	485.8	488.4	484.9	489.3	482.3	491.9	488.4	485.8
45°	364.6	361.1	360.1	361.1	358.4	359.3	361.9	360.1
47.5°	248.6	248.6	246.9	244.2	247.7	248.6	245.1	245.1
50°	166.9	166.9	165.1	164.3	166.0	165.1	163.4	166.0
52.5°	106.3	102.8	102.8	104.5	102.8	101.0	103.6	101.9
55°	58.0	56.3	56.3	58.0	56.3	56.3	55.3	57.1
57.5°	28.1	29.0	28.1	28.1	28.1	28.1	27.3	28.1
60°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
62.5°	5.3	5.3	4.4	4.4	4.4	4.4	4.4	4.4
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	2.6	2.6	2.6	2.6	2.6	3.5	2.6	2.6
70°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
72.5°	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5
75°	1.8	1.8	1.8	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)