

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: P843992

Luminaire Tested: **LD6C10DE010B40 EU6C10B40 6LBSWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843992
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: LD6C10DE010B40 EU6C10B40 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

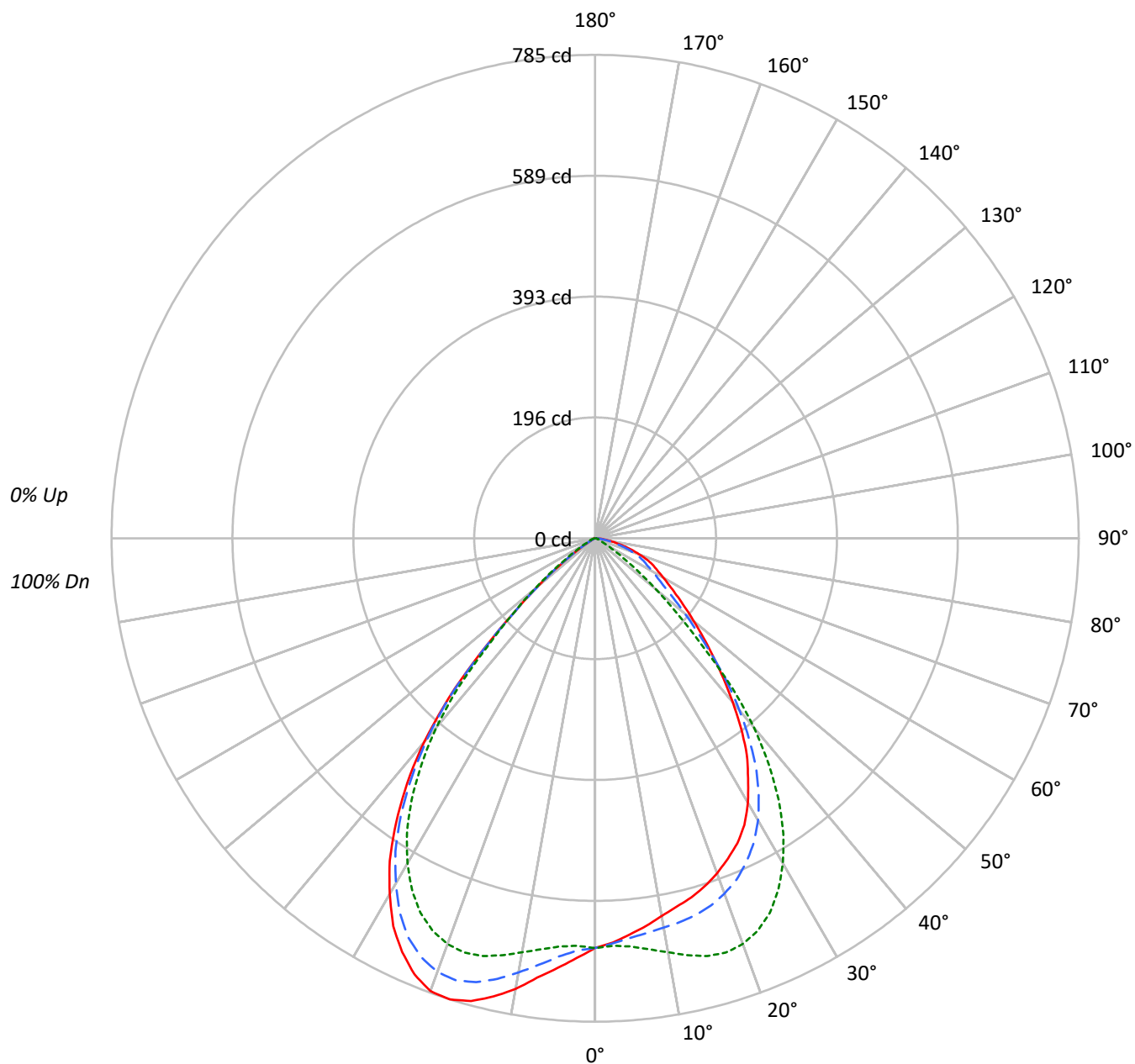
Lumens per Lamp: N/A
Luminaire Lumens: 1216.3 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	103	109	106	103	101		102	100	98		98	96	95		95	93	92
2	105	98	93	89	102	97	92	88		93	89	86		90	87	84		87	85	82
3	98	89	83	78	95	88	82	78		85	80	76		83	78	75		80	77	74
4	91	82	75	69	89	80	74	69		78	72	68		76	71	67		74	70	66
5	85	75	67	62	83	74	67	62		72	66	61		70	65	61		68	64	60
6	80	69	61	56	78	68	61	56		66	60	55		64	59	55		63	58	54
7	74	63	56	51	73	62	55	50		61	55	50		60	54	50		58	53	50
8	70	58	51	46	69	58	51	46		57	50	46		55	50	46		54	49	45
9	66	54	47	42	64	54	47	42		53	46	42		52	46	42		51	45	42
10	62	50	43	39	61	50	43	39		49	43	39		48	43	39		47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	36477	36477	36477
5°	35533	36617	38543
10°	34663	37998	41360
15°	34262	39858	44155
20°	33766	40895	45644
25°	33056	40593	44827
30°	31410	38576	42196
35°	28737	34780	37678
40°	24854	28725	30908
45°	20956	18839	20219
50°	17799	10908	10260
55°	15445	5228	3957
60°	13946	2434	976
65°	13529	1401	324
70°	12133	1122	305
75°	9976	805	127
80°	7419	410	0
85°	6416	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	5.3
10°-20°	195.9	16.1
20°-30°	299.3	24.6
30°-40°	313.0	25.7
40°-50°	203.1	16.7
50°-60°	80.6	6.6
60°-70°	38.2	3.1
70°-80°	18.2	1.5
80°-90°	3.7	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°	559.4	46.0
0°-40°	872.5	71.7
0°-60°	1156.1	95.1
0°-90°	1216.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1216.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	665	665	665	665	665	
5°	646	651	665	682	700	61
15°	604	633	702	746	778	170
25°	546	581	671	716	741	250
35°	429	456	520	550	563	266
45°	270	268	243	258	261	210
55°	162	137	55	43	41	146
65°	104	86	11	2	2	102
75°	47	38	4	1	1	51
85°	10	6	0	0	0	12
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°	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4
2.5°	657.1	658.4	651.4	649.5	654.6	656.5	657.1	655.2	655.8	658.4	658.4
5°	645.7	647.0	640.6	638.7	643.8	645.1	647.0	646.3	648.2	652.0	651.4
7.5°	634.9	636.8	629.8	627.3	633.6	636.8	638.1	638.1	640.6	645.7	646.3
10°	622.7	625.4	618.9	617.7	624.6	627.9	628.6	629.8	633.6	640.6	641.9
12.5°	612.6	615.1	610.7	608.8	616.4	619.6	620.8	623.4	627.9	636.8	638.1
15°	603.7	605.6	600.5	599.3	606.9	610.7	611.3	615.1	620.8	631.1	633.0
17.5°	592.3	593.5	589.7	588.5	596.1	599.9	600.5	605.0	611.9	622.1	625.4
20°	578.8	580.1	576.3	575.0	582.7	587.2	587.8	591.6	599.9	610.7	613.9
22.5°	563.0	565.5	561.1	559.8	567.4	571.2	573.1	576.3	584.7	595.4	599.9
25°	546.5	546.5	543.3	542.7	549.7	554.1	553.5	557.9	566.2	576.9	580.7
27.5°	524.8	524.2	521.0	520.4	528.0	531.8	530.5	535.0	542.7	553.5	557.3
30°	496.2	497.5	493.0	491.7	498.1	504.5	503.9	508.3	515.9	526.1	528.6
32.5°	461.9	463.1	462.5	460.6	466.3	469.5	471.4	474.6	480.9	491.7	494.2
35°	429.4	427.5	425.0	425.0	430.7	435.7	433.8	437.6	444.0	454.8	455.5
37.5°	389.3	388.7	387.4	386.1	392.5	393.8	394.4	396.9	402.6	411.6	410.4
40°	347.3	348.0	347.3	344.8	348.6	353.7	353.0	354.3	359.4	365.7	363.9
42.5°	307.9	307.9	307.9	305.3	309.8	312.3	313.6	313.0	314.2	319.9	317.4
45°	270.3	271.0	270.3	269.7	270.3	271.6	270.3	269.7	269.7	271.6	267.8
47.5°	238.0	238.0	236.1	234.1	236.1	236.6	234.8	232.8	232.2	231.5	225.2
50°	208.7	208.0	207.4	204.2	206.1	206.8	204.2	203.0	200.4	197.2	189.5
52.5°	183.2	182.5	181.9	178.7	180.0	180.6	178.1	175.6	172.4	169.9	160.3
55°	161.6	161.0	161.0	159.1	157.8	159.1	156.5	154.6	150.1	146.9	137.4
57.5°	143.1	143.1	141.8	139.9	140.6	140.6	138.0	135.5	131.7	127.9	120.3
60°	127.2	127.2	127.2	125.3	125.3	125.3	124.1	121.5	118.3	114.5	106.9
62.5°	114.5	114.5	113.9	112.0	112.6	112.6	111.4	108.8	105.7	103.0	95.4
65°	104.3	104.3	104.3	102.4	102.4	103.0	101.7	99.2	96.7	93.5	86.5
67.5°	91.6	91.0	91.0	89.7	90.3	91.0	89.7	87.8	84.6	82.7	76.4
70°	75.7	76.4	77.0	75.1	75.7	75.7	75.1	73.2	71.3	69.4	63.7
72.5°	61.7	61.7	61.0	60.4	60.4	61.0	59.8	57.9	56.6	55.3	50.9
75°	47.1	46.4	47.1	45.8	45.8	45.8	44.5	43.9	43.3	41.4	38.2
77.5°	34.4	33.7	33.7	32.5	33.1	33.1	32.5	31.2	29.9	29.3	26.8
80°	23.5	23.5	23.5	23.0	23.0	22.2	22.2	21.7	20.3	19.8	18.5
82.5°	15.9	15.9	15.9	15.2	15.2	15.2	14.6	14.0	13.3	12.7	11.4
85°	10.2	10.2	10.2	9.5	9.5	9.5	8.9	8.9	8.2	7.6	6.3
87.5°	5.7	5.7	5.7	5.1	5.1	5.1	5.1	5.1	4.4	3.8	3.2
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°	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4
2.5°	662.8	653.9	659.6	659.6	657.7	662.8	666.1	668.5	667.9	662.2	661.5
5°	657.7	650.1	656.5	657.1	655.2	662.2	666.6	669.8	670.5	665.4	666.1
7.5°	653.9	647.6	655.8	658.4	657.7	664.1	669.3	674.3	676.9	673.1	673.7
10°	652.0	647.0	655.8	659.6	660.3	667.4	675.0	682.0	685.1	682.6	684.5
12.5°	649.5	646.3	656.5	662.2	664.7	671.8	681.3	689.6	694.7	693.4	697.2
15°	647.0	644.4	656.5	664.7	667.9	674.3	685.1	697.2	702.9	702.3	707.3
17.5°	640.6	640.0	652.7	661.5	666.1	673.7	683.9	698.5	704.2	705.4	711.8
20°	630.5	630.5	644.4	653.9	659.0	666.1	678.8	692.8	699.7	701.0	708.1
22.5°	616.4	617.7	631.1	640.6	648.2	653.3	666.6	681.3	687.7	689.6	697.2
25°	598.0	599.3	611.9	621.5	629.8	635.5	648.2	661.5	669.3	671.1	676.9
27.5°	573.8	576.3	588.5	598.0	605.0	608.8	622.1	636.2	641.9	643.8	649.5
30°	545.8	546.5	558.5	566.8	573.8	576.9	588.5	603.1	607.5	609.4	617.7
32.5°	511.5	510.8	522.3	529.9	535.6	539.5	551.6	561.1	565.5	568.7	573.1
35°	470.1	469.5	477.7	486.6	491.1	492.3	504.5	514.6	517.2	519.7	525.4
37.5°	423.7	423.7	430.7	435.1	440.2	442.1	447.8	459.3	463.8	463.1	467.6
40°	374.7	372.2	377.3	381.7	383.0	383.6	389.3	398.2	401.4	401.4	404.5
42.5°	323.2	319.3	319.9	322.5	323.7	319.3	323.2	328.9	326.9	329.6	330.2
45°	268.4	262.7	260.2	254.5	255.7	251.3	248.8	250.0	249.4	243.0	244.3
47.5°	223.9	213.7	209.3	201.1	199.2	194.1	190.8	185.1	180.0	180.0	176.8
50°	186.4	176.2	167.3	157.8	154.6	150.1	143.1	135.5	131.7	127.9	124.7
52.5°	156.5	145.6	134.8	124.7	120.3	114.5	104.9	97.3	90.3	86.5	82.7
55°	132.3	120.3	108.8	97.9	92.2	86.5	77.0	68.1	59.8	54.7	51.5
57.5°	113.9	102.4	90.3	78.9	73.8	67.5	57.2	47.7	40.1	34.4	31.2
60°	100.5	89.1	78.3	66.2	61.0	54.7	43.9	35.0	27.4	22.2	18.5
62.5°	89.1	78.9	67.5	56.6	51.5	45.2	35.0	26.1	19.0	14.0	10.8
65°	80.8	70.6	61.0	50.2	45.8	39.4	29.9	21.7	15.2	10.8	7.6
67.5°	71.3	62.3	52.8	43.9	39.4	34.4	25.5	18.5	12.7	8.9	6.3
70°	59.8	52.8	44.5	36.3	33.1	28.7	20.9	15.2	10.2	7.0	5.1
72.5°	47.7	42.0	35.6	29.3	26.8	22.2	17.1	12.1	7.6	5.1	3.8
75°	36.3	31.8	26.8	22.2	19.8	17.1	12.7	8.9	5.7	3.8	2.5
77.5°	24.9	23.0	19.0	15.2	14.0	12.1	8.2	5.7	3.8	2.5	1.3
80°	17.1	15.2	12.7	10.2	8.9	7.6	5.1	3.8	1.9	1.3	0.6
82.5°	10.8	8.9	7.6	6.3	5.7	4.4	3.2	1.9	1.3	0.6	0.6
85°	5.7	5.1	4.4	3.2	3.2	2.5	1.9	1.3	0.6	0.0	0.0
87.5°	3.2	2.5	1.9	1.3	1.3	0.6	0.6	0.6	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°	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4
2.5°	669.3	669.3	668.5	676.3	667.4	676.3	671.8	676.3	669.8	669.3	669.8
5°	674.3	676.3	676.9	683.9	675.6	686.4	682.6	686.4	682.0	683.2	685.1
7.5°	684.5	687.7	687.0	695.9	687.7	699.7	697.2	702.9	698.5	699.7	702.3
10°	695.9	699.7	700.4	709.2	701.6	716.2	713.1	719.5	715.7	717.6	720.8
12.5°	709.2	713.8	714.4	724.6	716.2	731.6	729.7	736.0	732.8	734.7	738.5
15°	719.5	725.9	727.1	737.3	728.4	744.3	743.0	751.2	746.2	749.3	752.5
17.5°	724.6	730.3	732.8	742.4	734.7	750.6	749.3	756.4	752.5	755.8	759.6
20°	721.4	728.4	730.3	739.8	732.2	748.1	746.2	753.2	749.3	751.9	755.8
22.5°	709.9	717.0	719.5	728.4	721.4	736.0	735.4	741.7	736.6	739.8	743.0
25°	689.6	697.2	698.5	706.7	699.1	714.4	713.1	720.1	716.2	718.2	722.7
27.5°	660.3	669.3	671.1	678.2	672.4	685.1	685.1	690.8	686.4	686.4	690.8
30°	625.4	634.3	635.5	641.2	636.2	647.6	648.2	653.9	647.0	650.8	651.4
32.5°	582.7	588.5	592.3	597.4	589.7	604.3	602.4	606.9	603.1	603.1	606.2
35°	531.1	538.2	540.1	546.5	540.1	551.6	551.6	554.1	550.3	550.3	555.4
37.5°	475.2	480.3	480.9	487.3	482.2	491.7	491.1	493.0	489.2	491.7	491.7
40°	409.6	413.5	414.8	418.0	417.3	424.3	423.7	425.0	423.1	423.7	425.0
42.5°	333.4	338.4	341.0	343.5	339.7	349.2	347.3	349.2	348.6	349.2	351.1
45°	245.6	249.4	251.3	251.9	250.7	256.4	260.8	257.0	257.6	256.4	258.9
47.5°	177.5	178.1	176.8	180.6	177.5	180.0	181.3	181.9	178.1	177.5	180.0
50°	121.5	124.7	120.3	122.2	121.5	124.1	122.8	123.4	119.6	121.5	120.3
52.5°	80.8	80.2	78.9	79.5	78.3	78.3	78.3	79.5	77.0	75.7	74.5
55°	49.0	47.7	45.2	44.5	44.5	45.2	43.9	42.6	42.6	42.0	42.0
57.5°	28.7	26.8	25.5	24.9	23.5	23.0	22.2	22.2	20.9	20.9	20.9
60°	15.9	14.0	12.7	11.4	11.4	10.8	10.2	9.5	9.5	9.5	8.9
62.5°	8.2	7.0	5.7	5.1	5.1	4.4	3.8	3.8	3.8	3.8	3.2
65°	5.7	4.4	3.8	3.2	3.2	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	4.4	3.8	3.2	2.5	2.5	2.5	1.9	1.9	1.9	1.9	1.9
70°	3.8	2.5	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	2.5	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0
80°	0.6	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°	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4
2.5°	675.6	675.0	675.6	676.9	674.3	682.0	678.2	682.0
5°	690.2	690.8	691.5	693.4	690.2	699.7	694.7	700.4
7.5°	709.2	709.9	710.5	712.5	710.5	720.1	714.4	719.5
10°	729.0	730.3	730.3	733.5	731.6	740.4	736.6	743.0
12.5°	747.4	748.7	750.0	751.9	750.6	760.2	756.9	762.1
15°	762.1	764.7	765.3	767.8	766.6	776.7	772.9	778.0
17.5°	769.1	771.6	771.6	774.8	773.6	784.3	779.3	785.0
20°	765.3	767.2	767.8	771.0	769.7	780.5	775.5	782.4
22.5°	753.2	753.8	754.5	757.7	756.9	766.6	762.1	766.6
25°	730.9	732.8	732.2	734.7	734.7	742.4	737.3	741.1
27.5°	699.1	701.0	701.0	704.2	701.6	709.2	704.2	709.9
30°	660.3	662.2	660.9	663.5	660.9	668.5	664.7	666.6
32.5°	613.9	613.9	614.5	615.1	613.9	620.8	617.0	620.8
35°	558.5	559.8	560.4	561.1	559.8	564.9	560.4	563.0
37.5°	496.2	499.4	498.8	499.4	497.5	503.9	499.9	501.3
40°	429.4	429.4	428.8	430.0	428.1	433.2	430.7	431.9
42.5°	351.8	353.7	351.1	354.3	349.2	356.2	353.7	351.8
45°	264.0	261.4	260.8	261.4	259.5	260.2	262.1	260.8
47.5°	180.0	180.0	178.7	176.8	179.4	180.0	177.5	177.5
50°	120.9	120.9	119.6	119.0	120.3	119.6	118.3	120.3
52.5°	77.0	74.5	74.5	75.7	74.5	73.2	75.1	73.8
55°	42.0	40.7	40.7	42.0	40.7	40.7	40.1	41.4
57.5°	20.3	20.9	20.3	20.3	20.3	20.3	19.8	20.3
60°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
62.5°	3.8	3.8	3.2	3.2	3.2	3.2	3.2	3.2
65°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	1.9	1.9	1.9	1.9	1.9	2.5	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	2.5	2.5	2.5	2.5	2.5	2.5
75°	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6
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)