

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: P684063

Luminaire Tested: **LX6C15D010 EX6C159035 6LCSWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252284)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C15D010 EX6C159035 6LCSWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

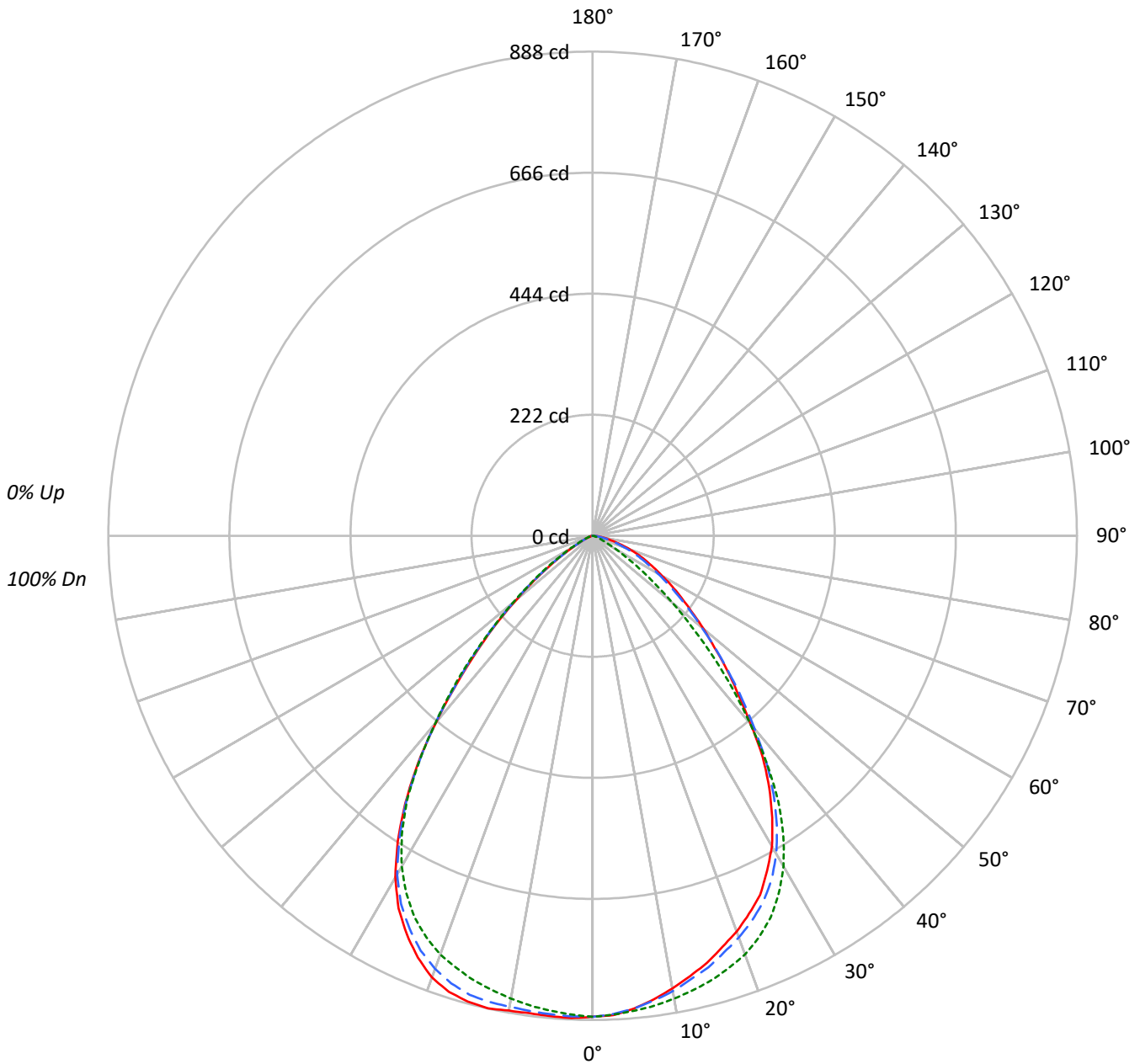
Lumens per Lamp: N/A
Luminaire Lumens: 1480.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V):
Input Current (A_{in}): 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			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	100	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90	90	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72	72	72	72
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64	64	64	64
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58	58	58	58
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43	43	43	43
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40	40	40	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	48362	48362	48362
5°	47898	48134	48663
10°	46915	47978	49225
15°	46016	47889	50188
20°	45061	47674	50282
25°	43950	46720	48783
30°	41614	44311	45792
35°	37791	39712	40074
40°	32253	32096	31946
45°	27088	24034	23289
50°	22626	16264	15445
55°	19039	9978	9061
60°	16117	5263	4550
65°	13957	2763	2205
70°	11605	1715	1202
75°	8578	1123	678
80°	6724	663	347
85°	5346	692	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	5.6
10°-20°	238.1	16.1
20°-30°	351.5	23.8
30°-40°	362.3	24.5
40°-50°	250.2	16.9
50°-60°	123.3	8.3
60°-70°	50.0	3.4
70°-80°	17.8	1.2
80°-90°	3.7	0.2
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°	672.7	45.5
0°-40°	1035.0	69.9
0°-60°	1408.5	95.2
0°-90°	1480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1480.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	882	882	882	882	882	
5°	870	870	875	881	884	82
15°	811	819	844	872	884	228
25°	727	740	772	795	806	332
35°	565	578	593	597	599	350
45°	349	352	310	306	300	270
55°	199	192	104	98	95	180
65°	108	97	21	17	17	107
75°	40	34	5	3	3	45
85°	8	6	1	0	0	10
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°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	880.0	876.9	879.0	874.7	880.0	874.7	875.8	876.9	875.8	876.9	877.9
5°	870.4	867.2	870.4	865.1	870.4	867.2	867.2	868.3	868.3	869.4	870.4
7.5°	857.7	854.5	857.7	852.3	858.7	855.5	855.5	857.7	856.6	857.7	859.8
10°	842.8	838.5	841.7	838.5	844.9	840.6	842.8	842.8	842.8	845.9	848.1
12.5°	826.8	822.5	826.8	821.4	827.8	824.7	825.7	828.9	829.9	832.1	833.1
15°	810.8	805.5	807.6	804.4	810.8	807.6	808.7	812.9	812.9	816.1	819.3
17.5°	790.6	786.3	790.6	786.3	791.6	789.5	791.6	794.8	794.8	798.0	801.2
20°	772.4	768.2	771.4	768.2	774.6	771.4	772.4	776.7	777.7	780.9	784.1
22.5°	750.1	746.8	749.0	745.8	752.2	750.1	751.1	755.4	756.5	758.6	763.9
25°	726.6	720.2	723.4	721.3	727.7	724.5	726.6	730.9	733.0	736.2	740.5
27.5°	692.5	689.3	691.4	691.4	696.8	693.6	694.6	698.9	702.1	705.3	710.6
30°	657.4	652.1	654.2	655.2	659.5	657.4	659.5	663.8	664.8	669.1	673.3
32.5°	612.6	610.5	614.8	612.6	614.8	614.8	615.8	619.0	621.1	623.3	628.6
35°	564.7	560.4	564.7	562.6	567.9	564.7	567.9	571.1	571.1	575.3	578.5
37.5°	512.5	507.1	509.3	509.3	511.4	510.3	510.3	515.7	516.7	519.9	523.1
40°	450.7	448.5	452.8	451.7	452.8	452.8	453.9	457.1	459.2	460.3	461.3
42.5°	395.3	396.3	397.4	397.4	397.4	397.4	397.4	401.6	400.6	403.8	404.9
45°	349.4	345.2	347.3	346.3	349.4	346.3	349.4	352.7	350.5	353.7	351.6
47.5°	302.6	302.6	302.6	301.5	303.7	302.6	304.7	305.8	305.8	305.8	304.7
50°	265.3	262.1	263.1	263.1	264.2	263.1	265.3	266.4	266.4	264.2	260.0
52.5°	229.1	228.0	228.0	230.1	230.1	229.1	229.1	229.1	229.1	225.9	223.7
55°	199.2	197.1	198.2	198.2	198.2	198.2	199.2	198.2	198.2	195.0	191.8
57.5°	172.6	170.5	170.5	170.5	171.5	170.5	170.5	170.5	169.4	166.2	161.9
60°	147.0	146.0	147.0	147.0	148.1	147.0	147.0	147.0	144.9	141.7	137.4
62.5°	125.7	125.7	125.7	126.8	126.8	125.7	125.7	124.6	123.6	119.3	115.1
65°	107.6	106.5	107.6	107.6	108.7	108.7	107.6	106.5	105.5	101.2	97.0
67.5°	89.5	88.4	89.5	89.5	90.5	89.5	89.5	89.5	86.3	84.2	79.9
70°	72.4	71.4	71.4	71.4	72.4	70.3	71.4	71.4	69.3	66.1	61.8
72.5°	55.4	55.4	55.4	55.4	55.4	55.4	54.3	54.3	52.2	49.0	46.9
75°	40.5	40.5	41.5	41.5	40.5	40.5	40.5	39.4	38.3	36.2	34.1
77.5°	29.8	29.8	29.8	29.8	28.8	28.8	28.8	27.7	26.6	25.6	23.4
80°	21.3	21.3	21.3	20.2	21.3	20.2	20.2	20.2	18.1	17.0	16.0
82.5°	14.9	13.9	13.9	13.9	13.9	13.9	13.9	12.8	12.8	11.7	10.7
85°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	7.5	6.4	6.4
87.5°	4.2	5.3	5.3	5.3	5.3	5.3	5.3	4.2	4.2	4.2	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°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	877.9	877.9	880.0	876.9	882.2	879.0	877.9	883.2	880.0	879.0	881.1
5°	870.4	871.5	872.6	870.4	875.8	872.6	872.6	877.9	875.8	874.7	877.9
7.5°	860.9	861.9	864.0	863.0	867.2	865.1	866.2	871.5	869.4	869.4	872.6
10°	849.1	851.3	853.4	853.4	858.7	856.6	856.6	863.0	860.9	861.9	866.2
12.5°	835.3	838.5	841.7	842.8	848.1	844.9	845.9	853.4	852.3	853.4	857.7
15°	820.4	824.7	827.8	827.8	834.2	831.0	834.2	841.7	839.6	843.8	849.1
17.5°	803.3	807.6	811.8	812.9	819.3	817.2	821.4	828.9	828.9	831.0	837.4
20°	787.4	792.7	794.8	798.0	804.4	803.3	805.5	814.0	814.0	817.2	823.6
22.5°	766.0	771.4	775.6	778.8	784.1	784.1	787.4	794.8	794.8	796.9	803.3
25°	742.6	749.0	752.2	755.4	760.7	759.6	762.8	769.2	770.3	772.4	778.8
27.5°	712.8	718.1	722.4	724.5	731.9	727.7	730.9	738.4	737.3	739.4	744.7
30°	675.5	680.8	685.1	685.1	691.4	691.4	694.6	697.8	697.8	700.0	704.3
32.5°	631.8	638.2	638.2	641.4	645.6	641.4	645.6	649.9	647.8	651.0	654.2
35°	581.7	584.9	586.0	586.0	589.2	588.1	587.0	590.2	588.1	593.4	596.6
37.5°	521.0	525.2	523.1	525.2	524.2	521.0	521.0	526.3	522.0	523.1	526.3
40°	462.4	462.4	461.3	456.0	457.1	453.9	452.8	453.9	449.6	448.5	452.8
42.5°	401.6	400.6	397.4	390.0	391.0	385.7	381.4	381.4	379.3	378.2	379.3
45°	347.3	344.1	338.8	330.3	328.1	323.9	315.4	313.2	310.0	310.0	311.1
47.5°	297.2	293.0	284.5	274.9	269.6	264.2	255.7	252.5	247.2	245.0	247.2
50°	255.7	248.2	237.6	223.7	218.4	212.0	203.5	198.2	192.8	190.7	189.6
52.5°	217.4	206.7	196.0	179.0	174.7	168.4	156.6	151.3	146.0	141.7	141.7
55°	184.3	174.7	159.8	143.8	137.4	131.1	119.3	111.9	106.5	104.4	102.3
57.5°	154.5	143.8	130.0	112.9	106.5	100.2	88.4	81.0	75.6	72.4	70.3
60°	130.0	118.3	104.4	89.5	82.1	75.6	63.9	56.5	51.1	48.0	45.8
62.5°	106.5	97.0	83.1	69.3	62.9	56.5	46.9	39.4	34.1	32.0	28.8
65°	89.5	79.9	67.1	55.4	50.1	43.7	35.2	28.8	24.5	21.3	19.2
67.5°	72.4	65.0	54.3	43.7	38.3	34.1	26.6	21.3	17.0	14.9	13.9
70°	57.5	50.1	41.5	33.0	29.8	25.6	20.2	14.9	12.8	10.7	9.6
72.5°	42.6	37.3	30.9	24.5	21.3	19.2	13.9	11.7	8.5	7.5	6.4
75°	30.9	26.6	22.4	17.0	14.9	13.9	10.7	7.5	6.4	5.3	4.2
77.5°	21.3	19.2	14.9	11.7	10.7	9.6	7.5	5.3	4.2	3.2	3.2
80°	13.9	11.7	9.6	7.5	7.5	6.4	4.2	3.2	3.2	2.1	2.1
82.5°	8.5	7.5	6.4	5.3	4.2	4.2	3.2	2.1	2.1	1.1	1.1
85°	5.3	4.2	3.2	3.2	2.1	2.1	2.1	1.1	1.1	1.1	1.1
87.5°	2.1	2.1	2.1	1.1	1.1	1.1	1.1	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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	881.1	881.1	883.2	880.0	882.2	882.2	884.3	880.0	882.2	883.2	885.4
5°	876.9	877.9	880.0	879.0	880.0	880.0	882.2	876.9	881.1	881.1	884.3
7.5°	872.6	872.6	874.7	873.7	875.8	876.9	879.0	874.7	879.0	879.0	882.2
10°	867.2	867.2	870.4	869.4	872.6	873.7	876.9	872.6	876.9	877.9	881.1
12.5°	859.8	860.9	864.0	864.0	867.2	869.4	872.6	870.4	875.8	876.9	881.1
15°	851.3	853.4	857.7	856.6	859.8	863.0	867.2	864.0	871.5	873.7	877.9
17.5°	840.6	842.8	845.9	845.9	849.1	851.3	856.6	854.5	860.9	861.9	867.2
20°	824.7	827.8	832.1	831.0	834.2	836.4	840.6	838.5	844.9	847.0	852.3
22.5°	805.5	807.6	810.8	810.8	814.0	816.1	820.4	817.2	823.6	824.7	828.9
25°	779.9	782.0	784.1	785.2	788.4	789.5	791.6	789.5	794.8	795.9	801.2
27.5°	746.8	747.9	751.1	751.1	753.3	754.3	757.5	753.3	760.7	760.7	763.9
30°	707.4	706.4	710.6	708.5	710.6	710.6	713.8	711.7	717.0	714.9	718.1
32.5°	655.2	657.4	657.4	655.2	659.5	658.4	658.4	656.3	659.5	660.5	662.7
35°	594.5	597.7	597.7	598.8	599.9	596.6	597.7	591.3	596.6	597.7	598.8
37.5°	528.5	525.2	527.4	524.2	529.5	523.1	523.1	518.9	523.1	523.1	524.2
40°	452.8	451.7	453.9	451.7	450.7	449.6	447.5	444.3	448.5	446.4	449.6
42.5°	381.4	380.3	380.3	378.2	377.2	377.2	375.0	372.9	371.8	371.8	377.2
45°	307.9	310.0	307.9	306.9	309.0	306.9	307.9	303.7	305.8	303.7	305.8
47.5°	246.1	247.2	245.0	242.9	246.1	242.9	242.9	239.7	244.0	244.0	241.8
50°	190.7	189.6	187.5	189.6	188.6	188.6	188.6	185.4	187.5	184.3	186.5
52.5°	140.6	139.6	139.6	138.5	139.6	138.5	138.5	137.4	137.4	136.4	137.4
55°	102.3	101.2	99.1	99.1	99.1	100.2	99.1	98.0	98.0	97.0	98.0
57.5°	69.3	67.1	67.1	67.1	67.1	66.1	66.1	65.0	66.1	65.0	66.1
60°	44.8	44.8	42.6	42.6	42.6	42.6	42.6	41.5	42.6	42.6	42.6
62.5°	27.7	27.7	26.6	25.6	26.6	25.6	25.6	25.6	26.6	25.6	26.6
65°	18.1	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
67.5°	12.8	11.7	11.7	11.7	11.7	11.7	11.7	10.7	11.7	11.7	11.7
70°	8.5	8.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
75°	4.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	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	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	882.2	883.2	881.1	882.2	880.0	882.2	883.2	885.4
5°	880.0	881.1	879.0	881.1	879.0	881.1	882.2	884.3
7.5°	877.9	880.0	877.9	880.0	877.9	880.0	881.1	883.2
10°	877.9	881.1	879.0	882.2	879.0	881.1	883.2	884.3
12.5°	877.9	881.1	880.0	882.2	881.1	883.2	885.4	887.5
15°	875.8	879.0	876.9	880.0	879.0	880.0	884.3	884.3
17.5°	864.0	867.2	867.2	869.4	869.4	872.6	874.7	876.9
20°	849.1	852.3	851.3	854.5	854.5	857.7	859.8	861.9
22.5°	826.8	831.0	829.9	833.1	832.1	834.2	838.5	837.4
25°	798.0	803.3	802.3	804.4	803.3	803.3	805.5	806.5
27.5°	762.8	766.0	765.0	767.1	765.0	767.1	769.2	770.3
30°	717.0	719.2	718.1	719.2	718.1	720.2	721.3	723.4
32.5°	661.6	664.8	661.6	663.8	662.7	662.7	667.0	664.8
35°	595.6	596.6	597.7	597.7	595.6	596.6	598.8	598.8
37.5°	522.0	527.4	521.0	524.2	523.1	523.1	523.1	526.3
40°	445.4	446.4	444.3	444.3	444.3	443.2	447.5	446.4
42.5°	372.9	374.0	372.9	369.7	370.8	370.8	374.0	369.7
45°	302.6	304.7	303.7	303.7	301.5	301.5	302.6	300.4
47.5°	239.7	241.8	238.7	239.7	237.6	239.7	238.7	240.8
50°	182.2	184.3	183.3	184.3	184.3	182.2	185.4	181.1
52.5°	136.4	137.4	136.4	135.3	134.3	134.3	136.4	135.3
55°	97.0	95.9	95.9	95.9	97.0	97.0	95.9	94.8
57.5°	65.0	65.0	63.9	63.9	65.0	62.9	63.9	62.9
60°	41.5	41.5	41.5	41.5	40.5	41.5	41.5	41.5
62.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
65°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
67.5°	10.7	11.7	11.7	11.7	10.7	10.7	10.7	10.7
70°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	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)