

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: P#

Luminaire Tested: **LX6C10D010 EX6C109035 6LBSQLWWH**

Issue Date: 2/16/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C10D010 EX6C109035 6LBSQLWWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBSQLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

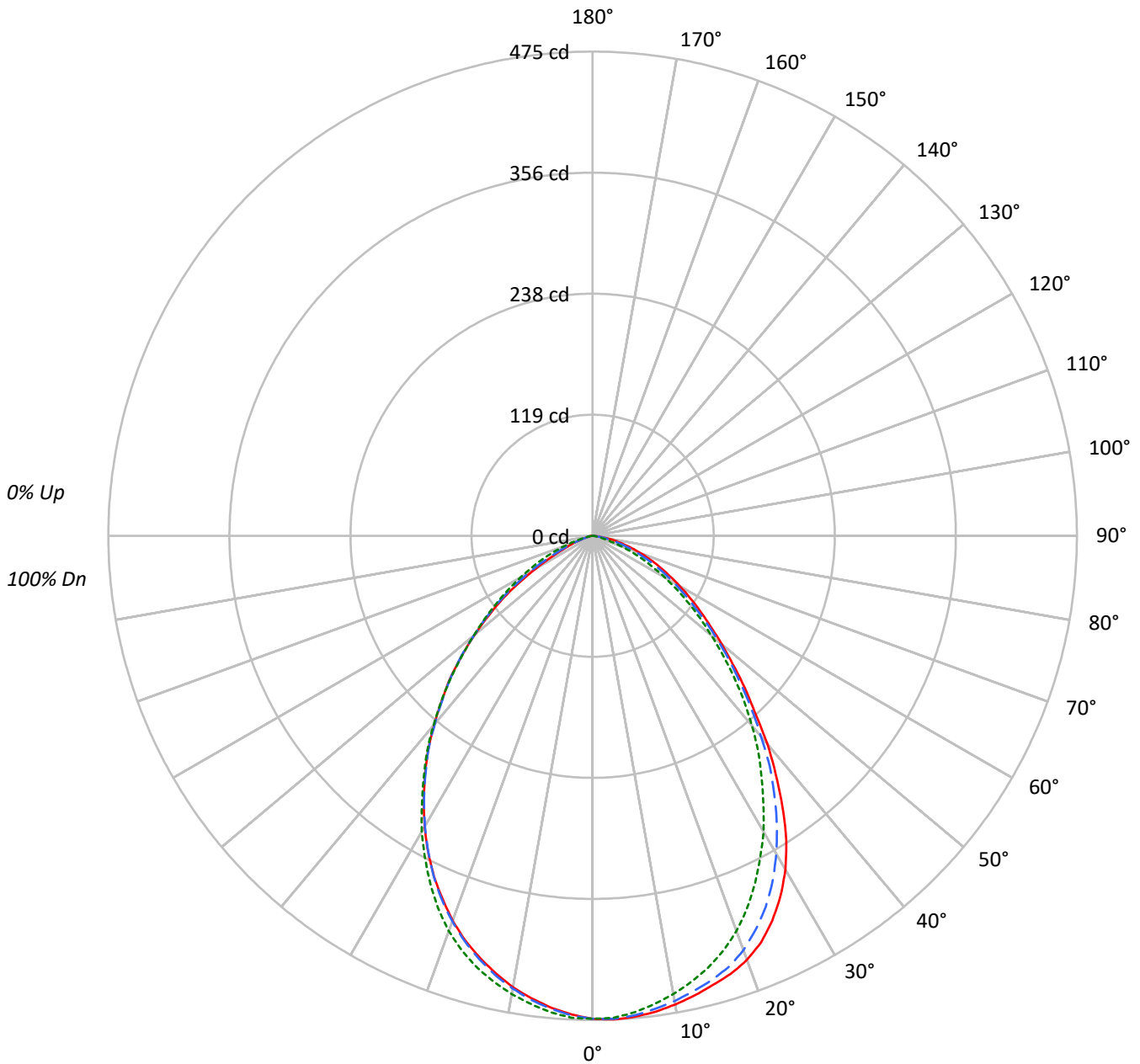
Lumens per Lamp: N/A
Luminaire Lumens: 862.0 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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									
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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54																			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39																			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20404	20404	20404
5°	20473	20288	20089
10°	20413	19958	19665
15°	20335	19546	19091
20°	20289	18905	18401
25°	19796	17891	17497
30°	18808	16665	16387
35°	17072	15169	15069
40°	14979	13652	13579
45°	12842	11928	12026
50°	11052	10168	10114
55°	9661	8587	8062
60°	8491	7035	5503
65°	7437	5450	3311
70°	6332	3676	1951
75°	5107	1913	1065
80°	3546	744	595
85°	1433	247	296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	5.2
10°-20°	124.0	14.4
20°-30°	176.4	20.5
30°-40°	185.7	21.5
40°-50°	154.8	18.0
50°-60°	104.6	12.1
60°-70°	53.0	6.2
70°-80°	17.1	2.0
80°-90°	2.0	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°	344.9	40.0
0°-40°	530.6	61.6
0°-60°	789.9	91.6
0°-90°	862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	474	474	474	474	474	
5°	474	472	469	466	465	45
15°	456	451	438	430	428	129
25°	417	402	377	369	368	191
35°	325	311	289	286	287	202
45°	211	206	196	197	198	163
55°	129	122	114	111	107	116
65°	73	66	54	39	32	73
75°	31	24	12	6	6	33
85°	3	2	0	1	1	5
90°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9
2.5°	475.0	475.0	475.0	475.0	475.0	475.0	474.9	474.9	474.5	474.5	474.4
5°	473.7	473.9	473.9	473.7	473.7	473.4	473.4	473.3	472.8	472.5	472.3
7.5°	471.0	471.0	470.9	470.7	470.6	470.1	469.9	469.4	469.1	468.8	468.2
10°	466.9	466.9	466.7	466.4	466.2	465.9	465.9	465.3	464.7	463.9	463.4
12.5°	461.9	462.1	461.8	461.6	461.2	461.0	460.7	459.9	459.4	458.4	457.6
15°	456.2	456.5	456.5	455.9	455.4	455.3	454.8	454.3	453.2	452.2	451.3
17.5°	450.6	451.0	450.6	450.2	449.7	449.0	448.7	447.8	446.3	445.1	443.6
20°	442.8	443.3	442.7	441.9	440.9	440.8	440.3	438.7	436.6	434.7	432.6
22.5°	431.8	431.5	431.0	430.7	429.1	428.2	427.5	425.5	423.2	420.7	418.1
25°	416.7	417.3	416.4	415.0	414.2	413.2	411.6	409.4	407.3	404.6	401.6
27.5°	398.9	398.9	397.6	397.1	395.4	394.1	393.3	391.1	388.4	385.6	382.3
30°	378.3	377.4	377.4	375.1	373.7	373.2	372.4	368.8	366.4	363.5	360.2
32.5°	353.5	353.3	352.7	351.2	349.3	347.7	347.7	345.2	342.0	338.5	336.4
35°	324.8	325.0	324.6	323.0	323.0	321.1	320.8	318.6	316.0	313.3	310.8
37.5°	295.2	295.8	295.2	294.4	293.9	293.7	292.3	290.7	288.8	287.2	285.3
40°	266.5	265.5	265.9	264.3	264.4	264.1	263.5	261.4	260.3	258.7	256.6
42.5°	235.6	236.5	236.9	235.9	235.6	235.0	235.6	234.8	233.5	232.7	230.8
45°	210.9	209.9	210.4	210.1	210.3	209.0	208.5	208.2	207.7	206.3	205.5
47.5°	186.4	186.5	186.4	185.7	185.4	185.4	184.8	183.8	183.8	182.9	182.2
50°	165.0	165.0	165.3	164.5	164.2	163.6	163.8	162.8	162.2	161.4	160.9
52.5°	145.4	145.6	145.0	145.1	144.8	144.8	144.2	143.5	142.9	141.5	141.1
55°	128.7	128.9	128.1	128.4	127.4	127.0	126.6	125.7	125.7	124.2	122.5
57.5°	113.1	112.9	112.8	112.3	111.7	111.2	110.7	109.6	109.1	108.2	106.7
60°	98.6	98.4	98.1	98.0	97.5	96.4	96.4	95.6	94.0	93.0	91.6
62.5°	84.9	84.9	84.7	84.3	83.8	83.3	83.0	82.4	80.8	79.6	78.4
65°	73.0	72.8	72.3	71.5	71.2	71.2	70.1	69.6	68.3	67.2	65.8
67.5°	61.5	60.8	60.5	60.7	59.7	59.7	58.8	58.0	56.9	55.0	53.8
70°	50.3	50.0	49.7	49.4	49.2	48.6	48.1	47.2	46.0	44.6	42.8
72.5°	40.3	40.3	39.8	39.5	39.0	38.4	38.1	37.3	36.0	34.4	33.1
75°	30.7	30.7	30.7	30.1	29.8	29.5	28.5	28.0	26.6	25.6	24.1
77.5°	22.6	22.3	21.8	21.7	21.3	21.0	20.5	19.8	18.5	17.4	16.4
80°	14.3	14.8	14.3	14.3	13.5	13.2	13.1	12.1	11.6	10.7	9.9
82.5°	8.0	8.1	7.8	7.6	7.2	7.0	7.0	6.4	6.1	5.4	4.9
85°	2.9	3.0	2.9	2.9	2.5	2.7	2.5	2.4	2.1	1.8	1.6
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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: P#

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9
2.5°	474.4	474.1	474.1	473.9	473.7	473.7	473.7	473.6	473.3	473.3	473.1
5°	472.0	471.7	471.2	470.9	470.7	470.6	470.4	470.2	469.6	469.4	469.0
7.5°	467.7	467.4	466.6	466.2	465.8	465.6	465.0	464.7	464.0	463.4	463.1
10°	462.6	461.8	461.2	460.4	460.0	459.6	458.8	457.8	457.3	456.5	455.9
12.5°	456.9	455.9	454.6	453.7	453.3	452.5	451.3	450.5	449.4	448.1	447.0
15°	449.7	448.6	447.5	445.7	445.2	444.3	443.0	441.4	439.8	438.5	437.3
17.5°	441.9	440.1	438.4	436.5	435.0	434.5	432.5	430.2	428.8	426.6	425.2
20°	430.9	428.5	425.6	423.7	422.4	421.0	418.6	416.2	414.5	412.6	410.5
22.5°	415.8	413.5	410.2	407.3	406.4	404.3	402.2	400.0	397.8	395.7	393.1
25°	397.9	395.5	392.2	389.3	387.7	386.8	382.8	380.5	378.3	376.6	374.8
27.5°	379.6	375.3	373.1	368.6	367.2	366.9	363.2	360.8	358.4	356.0	353.8
30°	357.0	353.6	350.3	347.1	345.2	344.1	341.4	338.3	336.7	335.2	332.9
32.5°	333.6	330.5	326.4	323.4	321.9	320.3	317.9	315.9	313.5	311.7	311.3
35°	308.5	305.2	301.7	299.5	299.2	297.2	294.9	293.1	291.3	288.6	288.2
37.5°	281.8	279.9	277.5	274.3	272.9	272.9	270.5	269.2	267.0	266.8	265.5
40°	255.5	254.7	251.0	250.1	249.8	247.5	246.9	244.7	243.1	242.9	241.0
42.5°	229.5	227.5	226.8	225.2	223.8	223.5	222.1	221.1	220.5	219.5	218.5
45°	203.7	203.3	201.7	200.5	200.1	199.4	199.0	197.0	196.7	195.9	195.5
47.5°	181.4	180.2	178.7	177.5	177.3	176.3	175.2	175.2	173.5	173.3	173.0
50°	159.3	158.3	157.5	155.8	156.1	154.8	154.7	153.2	152.4	151.8	152.6
52.5°	139.9	137.9	137.6	136.2	135.7	135.9	134.1	133.6	133.3	132.7	132.4
55°	121.4	120.4	119.2	118.2	117.4	116.6	116.0	116.0	114.2	114.4	113.6
57.5°	105.1	104.3	102.7	101.3	101.0	100.0	99.2	98.4	98.3	97.2	96.4
60°	90.6	89.2	87.1	86.5	85.5	84.7	83.9	83.0	82.5	81.7	80.3
62.5°	77.1	74.7	73.9	72.6	71.5	71.0	69.8	68.7	67.9	66.7	65.6
65°	64.2	62.4	61.0	59.6	59.4	58.1	57.0	56.1	54.5	53.5	51.5
67.5°	52.4	50.8	49.2	47.8	46.7	46.4	44.6	43.5	42.4	40.5	38.7
70°	41.6	40.0	38.7	37.0	36.5	35.2	33.9	32.8	30.9	29.2	27.7
72.5°	31.7	29.9	28.5	27.2	26.4	25.3	24.1	22.8	20.9	19.1	17.8
75°	22.6	21.3	19.9	18.6	18.0	17.4	15.9	14.5	13.2	11.5	10.4
77.5°	15.3	14.0	12.7	11.6	10.8	10.4	9.4	8.3	7.2	6.2	5.4
80°	8.9	8.1	7.2	6.2	6.1	5.6	4.8	4.1	3.5	3.0	2.4
82.5°	4.3	3.8	3.2	2.7	2.4	2.2	1.9	1.6	1.3	1.1	1.1
85°	1.3	1.1	1.0	0.8	0.6	0.6	0.5	0.5	0.5	0.5	0.5
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9
2.5°	472.6	472.5	472.3	472.1	471.8	471.8	471.3	471.0	471.0	470.7	470.6
5°	468.5	468.0	467.8	467.5	467.2	467.0	466.4	466.2	465.9	465.6	465.6
7.5°	462.6	461.9	461.3	461.0	460.8	460.4	460.0	459.9	459.4	459.1	458.4
10°	454.8	454.3	453.5	453.2	452.9	452.5	451.8	451.3	451.1	450.8	450.5
12.5°	445.7	445.1	444.3	443.6	443.3	442.8	442.0	441.6	441.6	440.9	440.9
15°	436.0	435.0	433.6	433.0	432.8	431.8	431.2	430.6	429.8	429.5	429.5
17.5°	423.6	422.0	420.7	420.7	420.1	419.1	418.1	417.7	417.2	416.5	416.2
20°	408.9	407.8	406.4	406.4	404.9	404.6	403.6	403.5	402.4	402.5	402.1
22.5°	391.2	390.6	389.8	389.2	388.4	387.4	386.9	387.1	386.6	386.4	386.3
25°	373.4	371.6	370.7	370.4	370.0	369.2	368.9	368.8	368.8	368.3	368.4
27.5°	352.8	351.6	350.3	350.8	350.1	349.6	349.3	348.9	349.2	349.0	349.2
30°	331.8	330.2	329.4	329.7	329.6	328.3	328.9	328.8	328.9	328.9	329.3
32.5°	309.7	308.5	308.4	308.5	307.1	307.3	306.6	307.6	307.8	308.7	307.9
35°	287.2	286.6	285.5	285.3	285.5	285.3	285.3	285.9	285.8	286.7	286.4
37.5°	264.1	263.8	262.7	263.0	262.4	263.5	263.8	263.5	264.6	264.3	264.1
40°	241.5	241.0	240.4	241.6	240.9	240.2	241.3	240.4	240.7	241.6	241.6
42.5°	218.5	217.8	217.8	217.8	217.6	217.6	218.1	218.5	218.2	218.4	219.7
45°	195.5	195.3	194.8	195.1	195.0	195.8	195.8	196.1	196.7	197.4	197.0
47.5°	173.2	172.8	173.3	173.0	173.2	172.7	173.0	173.9	174.7	173.6	174.7
50°	152.3	151.6	151.5	152.0	151.8	151.6	152.0	152.0	151.6	151.6	152.8
52.5°	132.4	131.7	131.3	132.1	131.6	131.7	131.1	131.1	131.4	131.1	130.6
55°	113.7	113.3	112.6	112.9	112.1	112.0	111.3	111.3	110.9	110.5	109.6
57.5°	95.9	95.6	94.1	94.0	94.1	93.0	91.9	91.4	90.2	89.8	89.7
60°	80.1	78.4	77.6	76.6	76.0	75.5	74.2	73.4	71.5	70.4	70.2
62.5°	63.7	62.9	62.0	60.5	60.2	58.6	57.3	55.3	54.3	52.9	51.5
65°	50.5	48.4	47.0	46.2	44.9	43.5	42.1	39.8	38.7	37.0	35.5
67.5°	37.0	35.2	33.3	32.7	31.5	29.8	28.4	26.4	25.5	23.9	23.4
70°	25.3	23.7	22.3	21.3	20.5	18.8	17.4	16.7	15.8	15.5	15.5
72.5°	16.2	14.8	13.2	12.7	12.1	11.2	10.2	9.9	10.2	10.0	10.0
75°	9.1	8.3	7.2	6.7	6.7	6.4	6.2	6.2	6.2	6.2	6.2
77.5°	4.6	4.1	3.8	3.7	3.7	3.7	3.8	3.8	3.8	4.0	3.8
80°	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.4	2.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3
85°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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: P#

CATALOG NUMBER: LX6C10D010 EX6C109035 6LBSQLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	473.9	473.9	473.9	473.9	473.9	473.9	473.9	473.9
2.5°	470.4	470.1	470.1	469.9	469.9	469.9	469.9	470.1
5°	465.3	465.1	465.1	464.8	464.8	464.8	464.8	464.8
7.5°	458.4	458.1	458.3	458.0	458.0	458.1	458.0	457.8
10°	450.0	449.8	450.0	450.0	449.7	449.5	449.7	449.8
12.5°	440.4	440.3	440.0	440.1	440.1	440.0	439.8	439.5
15°	429.3	429.1	429.0	428.8	428.7	428.8	428.7	428.3
17.5°	416.2	416.2	416.1	415.9	415.8	415.4	415.6	416.1
20°	402.2	402.1	401.7	401.9	401.3	400.9	401.1	401.6
22.5°	386.1	385.6	386.0	385.5	385.5	385.6	385.5	385.2
25°	368.6	368.0	368.3	368.4	368.4	368.3	368.1	368.3
27.5°	349.2	349.6	349.6	349.3	349.8	349.2	349.5	349.6
30°	329.3	328.8	328.6	329.3	330.2	329.4	329.4	329.6
32.5°	308.7	308.1	308.1	308.4	308.2	308.2	308.9	308.1
35°	286.7	287.0	285.8	286.6	286.9	286.6	286.7	286.7
37.5°	264.6	264.3	264.3	264.3	264.7	264.7	265.1	264.9
40°	242.8	242.1	242.0	242.3	241.6	242.1	242.1	241.6
42.5°	219.2	219.3	220.1	219.3	219.5	219.3	219.0	218.9
45°	197.4	197.8	197.5	197.4	197.5	196.9	197.0	197.5
47.5°	174.3	175.2	174.3	174.9	174.7	174.4	174.1	173.5
50°	152.6	152.9	152.8	152.6	152.4	152.3	151.5	151.0
52.5°	130.5	130.5	130.5	130.5	128.9	129.7	129.3	128.4
55°	108.8	109.3	108.6	108.6	107.5	107.5	107.2	107.4
57.5°	87.9	87.5	87.0	87.0	85.9	85.4	84.9	84.3
60°	68.5	68.0	67.4	66.6	65.5	65.5	65.2	63.9
62.5°	50.2	49.4	48.9	48.3	47.3	46.7	46.2	46.5
65°	34.4	33.6	33.0	33.0	33.0	32.7	32.5	32.5
67.5°	22.6	23.1	22.8	23.1	23.1	22.8	22.6	22.9
70°	15.6	15.6	15.5	15.5	15.5	15.5	15.3	15.5
72.5°	10.0	10.0	10.0	10.2	10.0	10.0	10.2	10.2
75°	6.4	6.4	6.4	6.5	6.4	6.4	6.5	6.4
77.5°	3.8	4.0	4.0	4.0	4.0	3.8	4.0	4.0
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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)