

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 6LBSQLWWLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C10D010 EX6C109035 6LBSQLWWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

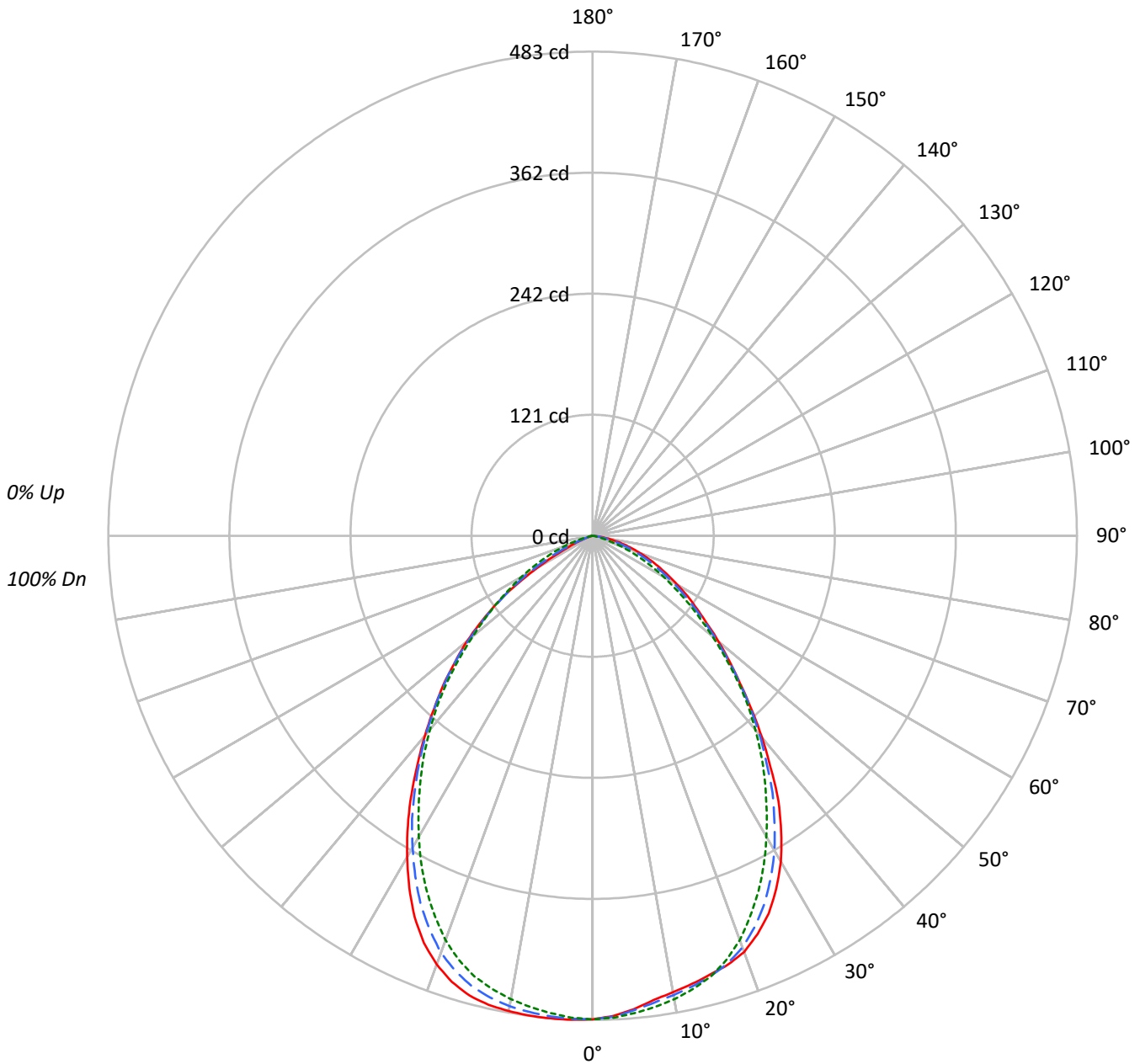
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 887.0 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
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	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89																			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78																			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69																			
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61																			
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54																			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																			
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44																			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20766	20766	20766
5°	20482	20659	20888
10°	20207	20522	21051
15°	20197	20286	21164
20°	20243	19661	20843
25°	19749	18589	19943
30°	18669	17237	18395
35°	16977	15742	16567
40°	14759	14175	14625
45°	12653	12428	12823
50°	10972	10416	10938
55°	9518	8663	8610
60°	8387	7009	5451
65°	7356	5328	2618
70°	6319	3525	957
75°	5140	1481	266
80°	3471	347	124
85°	1433	99	99



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	5.1
10°-20°	129.4	14.6
20°-30°	185.4	20.9
30°-40°	193.2	21.8
40°-50°	160.1	18.0
50°-60°	106.1	12.0
60°-70°	51.4	5.8
70°-80°	14.5	1.6
80°-90°	1.4	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°	360.2	40.6
0°-40°	553.5	62.4
0°-60°	819.7	92.4
0°-90°	887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	482	482	482	482	482	
5°	474	475	478	481	483	45
15°	453	455	455	465	475	128
25°	416	405	391	406	420	190
35°	323	313	300	309	315	200
45°	208	207	204	209	211	162
55°	127	123	115	113	115	115
65°	72	65	52	36	26	72
75°	31	24	9	2	2	33
85°	3	1	0	0	0	5
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°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3
2.5°	479.3	479.4	479.7	479.4	479.6	479.7	479.7	479.9	479.9	480.1	480.2
5°	473.9	474.3	474.3	474.3	474.3	474.5	474.6	474.6	474.5	474.5	475.1
7.5°	467.0	467.5	467.3	467.5	467.6	468.1	468.0	468.3	468.6	469.1	469.7
10°	462.2	462.4	462.2	462.7	463.0	463.3	463.3	463.7	464.0	464.5	465.2
12.5°	457.9	458.1	458.2	458.6	458.9	458.7	459.0	459.4	459.5	459.8	460.3
15°	453.1	453.9	453.8	453.9	454.1	454.3	454.4	454.6	454.4	454.4	454.7
17.5°	448.7	448.8	449.0	449.0	449.0	449.0	448.7	448.7	448.2	447.7	447.4
20°	441.8	441.7	441.3	441.3	440.7	440.9	440.2	439.9	439.1	438.0	436.9
22.5°	429.9	430.7	430.4	429.2	428.6	428.6	428.0	426.5	425.3	424.0	422.5
25°	415.7	415.4	414.9	414.3	413.3	412.7	411.7	410.8	408.7	406.5	405.2
27.5°	396.7	397.2	396.1	395.1	394.7	393.7	392.8	391.5	388.9	387.0	384.8
30°	375.5	375.2	375.1	373.8	372.5	372.8	370.9	369.5	367.6	364.4	362.6
32.5°	350.1	350.5	349.6	349.4	347.0	346.7	346.7	344.5	342.9	339.9	337.5
35°	323.0	322.6	322.3	321.2	321.1	320.1	319.3	317.7	315.6	314.7	312.8
37.5°	291.7	291.9	292.1	292.1	291.4	290.8	290.1	290.1	287.3	286.8	284.6
40°	262.6	263.1	262.9	261.8	261.9	262.1	261.9	261.8	260.0	259.4	259.1
42.5°	234.2	235.0	234.2	234.1	234.2	234.2	233.9	234.4	233.6	234.2	232.8
45°	207.8	208.4	207.9	207.8	207.4	208.2	207.3	208.1	207.6	206.8	207.1
47.5°	185.0	184.3	185.0	184.7	184.2	183.6	184.5	184.0	182.9	182.8	183.1
50°	163.8	163.5	163.8	163.6	162.8	162.8	162.7	162.4	162.0	161.1	160.4
52.5°	143.6	144.7	143.9	144.7	143.6	143.1	143.2	142.8	142.1	141.8	140.5
55°	126.8	127.0	127.0	127.0	126.4	126.0	125.7	125.4	125.4	124.0	122.7
57.5°	112.3	112.0	111.9	111.4	111.1	110.7	110.4	109.5	108.5	107.2	106.3
60°	97.4	97.7	97.7	97.0	96.6	96.1	95.9	95.3	94.2	92.9	91.5
62.5°	84.4	84.8	84.0	84.0	83.0	82.9	82.9	81.9	80.6	79.2	77.6
65°	72.2	72.0	72.3	71.2	71.4	70.4	70.1	69.6	68.4	66.6	65.2
67.5°	60.5	60.9	60.4	60.1	59.4	59.1	58.8	57.4	56.7	55.1	53.5
70°	50.2	49.9	49.6	49.6	48.9	48.4	48.3	46.7	45.9	44.6	42.9
72.5°	40.5	40.2	39.8	39.4	38.9	38.7	37.8	36.8	35.8	34.3	33.0
75°	30.9	30.8	30.4	30.1	29.3	29.0	28.8	27.7	26.0	24.7	23.6
77.5°	22.3	22.5	21.8	21.2	20.7	20.2	19.9	19.0	17.8	16.4	15.3
80°	14.0	14.2	14.0	13.5	12.9	12.7	12.3	11.6	10.7	9.7	8.9
82.5°	7.5	7.5	7.3	7.2	6.7	6.7	6.4	5.9	5.4	4.9	4.3
85°	2.9	2.9	2.7	2.5	2.4	2.4	2.2	2.1	1.8	1.6	1.3
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3
2.5°	480.2	480.4	480.5	480.7	480.7	480.7	480.9	481.0	481.0	481.2	481.3
5°	475.4	475.6	476.1	476.2	476.6	476.4	476.9	477.4	477.7	478.0	478.5
7.5°	470.0	470.5	471.1	471.6	471.8	471.9	472.4	473.1	473.5	474.2	474.6
10°	465.6	466.0	466.7	467.3	467.3	467.6	468.0	468.4	468.9	469.4	470.0
12.5°	460.6	461.3	461.4	461.7	461.7	461.9	462.2	462.4	462.9	463.0	464.0
15°	454.7	454.7	454.7	454.7	454.7	454.6	454.3	454.6	454.6	455.1	455.5
17.5°	446.6	446.6	445.7	445.2	445.3	444.5	444.4	443.7	443.7	443.7	444.2
20°	435.9	434.5	433.4	431.9	431.3	431.0	430.7	429.2	429.1	429.1	429.1
22.5°	420.8	419.2	417.6	416.5	414.7	414.1	413.5	412.5	411.4	410.8	412.2
25°	402.3	400.4	398.5	396.3	395.8	395.0	393.4	392.4	392.0	391.3	391.6
27.5°	382.7	380.0	377.9	375.7	374.9	374.0	372.5	371.1	369.5	369.8	369.8
30°	360.2	357.1	354.8	352.1	352.0	351.0	349.7	348.0	346.7	346.7	347.5
32.5°	335.9	333.6	331.6	328.5	328.1	327.4	326.5	324.9	323.9	323.0	323.6
35°	311.2	307.7	306.2	304.3	304.5	302.7	301.3	300.3	300.5	299.5	300.0
37.5°	284.6	282.5	280.4	279.6	278.8	277.9	277.2	276.6	276.3	276.3	276.0
40°	257.6	256.5	255.6	255.2	253.8	254.1	254.0	253.5	252.5	252.2	253.2
42.5°	232.3	231.2	230.7	229.9	229.8	229.3	229.3	228.8	228.6	228.8	228.6
45°	206.2	206.0	204.9	204.9	205.5	205.1	203.8	204.6	204.6	204.1	205.1
47.5°	182.1	182.3	181.6	180.4	180.4	179.6	178.6	179.4	179.9	179.1	179.6
50°	160.3	159.3	158.1	157.1	157.6	157.3	156.5	155.8	155.3	155.5	156.1
52.5°	139.6	139.1	137.7	136.5	136.2	136.4	135.4	134.5	134.6	134.5	134.2
55°	120.9	120.9	119.0	118.5	117.3	117.3	116.0	115.8	115.4	115.4	114.6
57.5°	104.8	103.4	102.3	101.2	100.7	100.1	99.6	98.5	98.0	97.0	96.9
60°	90.0	88.3	87.5	86.2	85.2	84.6	83.8	82.9	82.2	81.4	80.5
62.5°	76.8	74.9	73.3	72.0	71.2	71.1	69.8	68.7	67.4	66.4	64.8
65°	63.6	62.5	60.7	59.0	58.6	57.8	56.6	55.3	53.7	52.3	51.3
67.5°	51.9	50.5	48.9	48.0	46.8	46.2	44.8	42.9	41.1	39.7	37.9
70°	41.6	39.5	38.1	36.5	36.2	34.7	33.5	31.5	30.0	28.0	25.5
72.5°	31.2	29.2	28.0	26.4	25.5	24.7	22.9	21.2	18.6	17.2	15.0
75°	22.0	20.2	18.6	17.0	16.4	15.3	13.9	11.9	10.4	8.9	7.3
77.5°	13.7	12.6	11.2	9.9	9.2	8.6	7.5	6.1	4.9	3.8	2.9
80°	7.8	6.9	5.9	4.9	4.6	4.3	3.3	2.5	2.1	1.4	1.0
82.5°	3.7	3.0	2.5	2.1	1.9	1.6	1.1	0.8	0.5	0.3	0.2
85°	1.1	0.8	0.6	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3
2.5°	481.3	481.5	481.7	481.7	481.7	481.8	481.8	482.1	482.3	482.5	482.5
5°	478.8	479.3	479.6	479.7	479.9	480.4	480.5	481.0	481.3	481.7	482.0
7.5°	475.3	475.8	476.4	476.7	477.0	477.7	478.2	479.0	479.4	480.1	480.7
10°	470.8	471.5	472.4	472.7	473.1	473.9	474.8	475.8	476.6	477.5	478.3
12.5°	464.3	465.2	466.4	466.7	467.2	468.3	469.4	470.8	471.9	473.2	474.5
15°	456.2	457.4	458.2	458.6	459.2	460.8	461.9	463.5	465.2	467.2	468.6
17.5°	444.9	445.5	446.9	447.6	448.4	450.0	451.7	453.6	455.2	457.3	459.5
20°	430.0	431.0	432.7	433.4	434.3	435.8	438.3	439.9	442.5	445.0	446.6
22.5°	411.6	413.3	415.1	415.9	416.5	418.2	420.0	422.7	424.8	428.3	430.4
25°	392.4	392.9	394.3	395.8	396.1	398.3	400.4	403.6	405.7	407.9	410.8
27.5°	370.4	371.1	373.3	373.6	373.8	376.2	378.6	381.1	382.9	385.4	386.9
30°	347.5	348.6	349.6	350.2	351.3	352.4	354.7	357.9	359.1	361.4	363.3
32.5°	324.1	324.1	326.3	326.5	327.1	329.7	330.9	332.8	335.1	336.8	336.7
35°	300.8	301.5	302.3	303.4	303.8	305.4	305.9	307.4	308.8	310.1	311.7
37.5°	276.8	276.8	278.5	279.3	279.8	280.6	281.4	282.8	283.6	284.1	285.0
40°	253.8	254.5	254.8	255.1	255.1	256.2	256.8	258.0	258.4	259.7	259.1
42.5°	230.6	230.2	230.4	231.2	231.3	232.0	232.5	233.1	233.7	233.4	234.5
45°	205.9	206.0	206.3	206.3	206.8	207.6	208.4	208.7	209.2	210.0	210.2
47.5°	180.0	180.8	180.4	181.6	182.0	182.1	184.0	184.2	185.8	186.1	186.1
50°	156.0	156.0	156.9	157.4	157.7	158.2	158.9	159.5	160.0	161.1	161.4
52.5°	134.3	134.6	134.6	134.2	134.6	134.6	136.2	136.4	136.2	136.5	137.0
55°	114.9	115.0	114.1	114.7	114.6	114.1	114.4	113.4	113.3	113.8	113.4
57.5°	96.2	95.6	95.4	94.6	94.6	93.8	93.0	93.0	92.4	91.3	91.1
60°	79.5	78.6	77.9	77.4	76.2	75.4	74.2	73.3	72.0	70.6	69.8
62.5°	63.7	62.6	61.3	60.7	59.7	57.8	56.4	55.0	52.9	51.6	50.3
65°	49.7	48.0	45.9	44.9	44.0	42.2	40.3	37.9	35.8	34.1	31.9
67.5°	36.0	34.1	32.0	30.6	29.6	27.6	25.3	23.3	20.9	19.0	17.8
70°	23.6	21.2	19.3	18.2	17.2	15.1	13.1	11.3	10.2	9.7	9.6
72.5°	13.4	11.0	9.6	8.4	7.6	6.2	5.1	4.5	4.1	4.0	3.7
75°	5.7	4.3	3.3	2.7	2.4	1.9	1.8	1.8	1.8	1.6	1.6
77.5°	2.1	1.4	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	482.3
2.5°	482.6	482.9	482.9	483.1	483.3	483.3	483.3	483.3
5°	482.3	482.6	482.8	482.9	483.1	483.3	483.3	483.3
7.5°	481.0	481.7	481.8	482.1	482.5	482.6	482.6	482.8
10°	479.1	479.7	480.2	480.5	480.9	481.2	481.5	481.5
12.5°	475.6	476.6	477.2	477.5	478.3	478.6	479.0	479.3
15°	469.9	471.1	471.9	472.6	473.2	474.2	474.3	474.8
17.5°	461.3	463.0	463.3	464.3	465.1	466.7	466.5	466.7
20°	448.8	450.7	451.4	452.3	453.6	454.7	455.7	454.9
22.5°	432.3	434.5	435.5	436.4	437.2	438.2	439.4	439.6
25°	412.7	414.6	415.4	416.0	417.6	418.4	419.7	419.8
27.5°	390.2	391.3	392.4	392.8	394.5	395.0	396.1	396.1
30°	364.7	366.0	367.3	367.7	368.2	368.7	369.5	370.0
32.5°	338.6	339.9	340.3	341.1	341.3	342.1	341.8	343.0
35°	312.4	312.8	313.2	313.1	314.2	314.0	315.3	315.2
37.5°	286.2	285.8	286.6	287.4	287.1	286.8	287.3	286.5
40°	259.9	260.0	260.2	261.0	260.2	260.7	260.3	260.2
42.5°	235.3	235.3	234.4	235.3	234.7	234.4	235.0	234.1
45°	210.5	210.3	210.5	210.6	210.6	210.6	210.0	210.6
47.5°	186.9	187.1	186.4	187.5	187.2	186.6	186.6	186.1
50°	161.9	162.8	164.0	163.0	163.8	163.3	162.8	163.3
52.5°	138.1	138.8	138.0	138.1	139.9	139.9	138.9	138.8
55°	112.8	112.8	113.1	113.3	113.4	115.5	114.4	114.7
57.5°	90.2	90.2	89.7	90.7	90.0	89.2	90.0	88.0
60°	68.5	68.4	67.9	67.2	65.6	65.2	63.4	63.3
62.5°	48.8	47.0	46.4	45.1	43.3	42.9	41.1	40.9
65°	30.3	28.2	27.6	26.9	26.1	26.0	25.3	25.7
67.5°	17.2	16.9	16.7	16.3	15.9	15.6	15.6	15.5
70°	9.1	8.4	8.3	8.1	8.1	7.5	7.3	7.6
72.5°	3.5	3.2	3.2	3.2	3.0	3.0	3.0	3.0
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2
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)