

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 EX6C109027 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 EX6C109027 6LBSQLWWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBSQLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

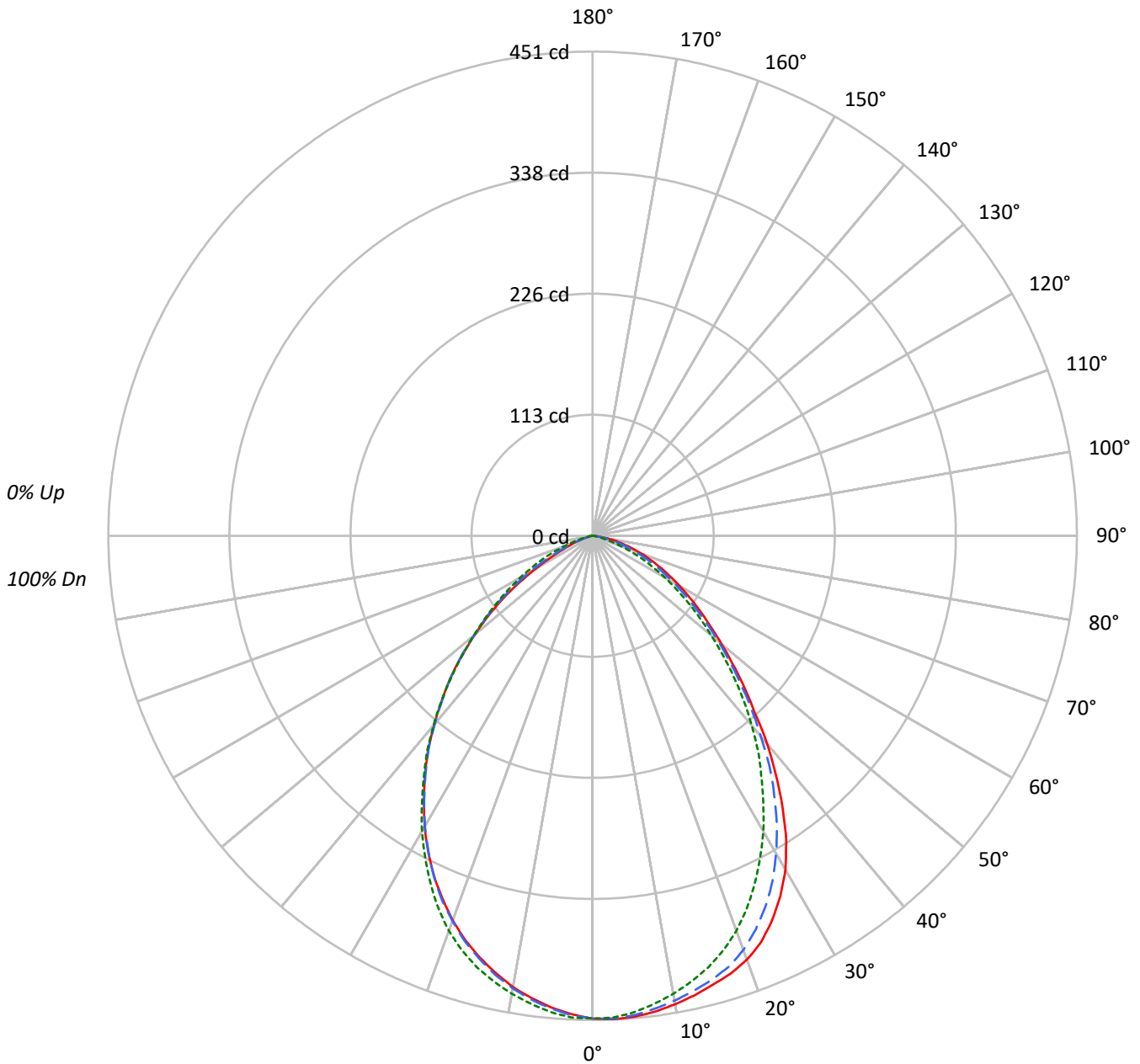
Lumens per Lamp: N/A
Luminaire Lumens: 818.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	19362	19362	19362
5°	19432	19255	19064
10°	19372	18939	18664
15°	19296	18547	18120
20°	19253	17938	17462
25°	18784	16974	16604
30°	17848	15810	15551
35°	16199	14397	14302
40°	14214	12955	12888
45°	12184	11319	11411
50°	10489	9652	9599
55°	9165	8145	7649
60°	8060	6674	5218
65°	7050	5175	3138
70°	6017	3487	1851
75°	4858	1813	998
80°	3372	719	570
85°	1334	247	296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	5.2
10°-20°	117.7	14.4
20°-30°	167.4	20.5
30°-40°	176.2	21.5
40°-50°	146.9	18.0
50°-60°	99.2	12.1
60°-70°	50.3	6.2
70°-80°	16.2	2.0
80°-90°	1.9	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°	327.2	40.0
0°-40°	503.5	61.5
0°-60°	749.6	91.6
0°-90°	818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	818.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	450	450	450	450	450	
5°	450	448	446	442	441	43
15°	433	428	416	408	406	122
25°	395	381	357	350	350	181
35°	308	295	274	271	272	192
45°	200	195	186	187	187	155
55°	122	116	108	105	102	110
65°	69	62	51	37	31	69
75°	29	23	11	6	6	32
85°	3	2	0	1	1	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°	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7
2.5°	450.8	450.8	450.8	450.8	450.8	450.8	450.6	450.6	450.3	450.3	450.2
5°	449.6	449.7	449.7	449.6	449.6	449.3	449.3	449.1	448.6	448.3	448.2
7.5°	447.0	447.0	446.8	446.7	446.5	446.1	445.9	445.5	445.2	444.9	444.3
10°	443.1	443.1	442.9	442.6	442.4	442.1	442.1	441.5	440.9	440.2	439.7
12.5°	438.4	438.5	438.2	438.1	437.6	437.5	437.2	436.4	435.9	435.0	434.3
15°	432.9	433.2	433.2	432.6	432.2	432.0	431.6	431.1	430.1	429.1	428.2
17.5°	427.6	427.9	427.6	427.2	426.7	426.1	425.8	424.9	423.6	422.3	421.0
20°	420.2	420.7	420.1	419.3	418.4	418.3	417.8	416.3	414.3	412.5	410.6
22.5°	409.8	409.5	409.0	408.7	407.2	406.3	405.7	403.8	401.6	399.2	396.8
25°	395.4	396.0	395.1	393.8	393.0	392.1	390.6	388.5	386.5	384.0	381.1
27.5°	378.5	378.5	377.3	376.8	375.2	374.0	373.2	371.1	368.5	366.0	362.8
30°	359.0	358.1	358.1	356.0	354.6	354.2	353.4	349.9	347.7	345.0	341.8
32.5°	335.4	335.3	334.7	333.3	331.5	330.0	330.0	327.6	324.5	321.2	319.3
35°	308.2	308.4	308.1	306.6	306.6	304.7	304.4	302.3	299.9	297.3	294.9
37.5°	280.1	280.7	280.1	279.3	278.9	278.7	277.4	275.9	274.1	272.5	270.7
40°	252.9	252.0	252.3	250.8	250.9	250.6	250.0	248.1	247.0	245.5	243.5
42.5°	223.6	224.5	224.8	223.9	223.6	223.0	223.6	222.8	221.6	220.8	219.0
45°	200.1	199.2	199.7	199.4	199.5	198.3	197.9	197.6	197.1	195.8	195.0
47.5°	176.9	177.0	176.9	176.3	176.0	176.0	175.3	174.4	174.4	173.5	172.9
50°	156.6	156.6	156.9	156.1	155.8	155.2	155.4	154.5	153.9	153.1	152.7
52.5°	138.0	138.2	137.6	137.7	137.4	137.4	136.8	136.2	135.6	134.2	133.9
55°	122.1	122.3	121.5	121.8	120.9	120.5	120.2	119.3	119.3	117.9	116.2
57.5°	107.3	107.2	107.0	106.6	106.0	105.5	105.1	104.0	103.5	102.6	101.3
60°	93.6	93.4	93.1	93.0	92.5	91.5	91.5	90.7	89.2	88.3	86.9
62.5°	80.6	80.6	80.4	80.0	79.5	79.1	78.8	78.2	76.6	75.6	74.4
65°	69.2	69.1	68.6	67.9	67.6	67.6	66.5	66.1	64.8	63.8	62.4
67.5°	58.3	57.7	57.4	57.6	56.7	56.7	55.8	55.0	54.0	52.2	51.1
70°	47.8	47.5	47.2	46.9	46.7	46.1	45.7	44.7	43.7	42.3	40.7
72.5°	38.2	38.2	37.8	37.5	37.0	36.4	36.1	35.4	34.2	32.7	31.4
75°	29.2	29.2	29.2	28.6	28.3	28.0	27.1	26.6	25.2	24.3	22.8
77.5°	21.5	21.2	20.7	20.6	20.3	20.0	19.5	18.7	17.5	16.5	15.6
80°	13.6	14.1	13.6	13.6	12.8	12.5	12.4	11.5	11.0	10.1	9.4
82.5°	7.6	7.7	7.4	7.3	6.8	6.7	6.7	6.0	5.7	5.1	4.7
85°	2.7	2.9	2.7	2.7	2.4	2.6	2.4	2.3	2.0	1.7	1.5
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7
2.5°	450.2	449.9	449.9	449.7	449.6	449.6	449.6	449.4	449.1	449.1	448.9
5°	447.9	447.6	447.1	446.8	446.7	446.5	446.4	446.2	445.6	445.5	445.0
7.5°	443.8	443.5	442.8	442.4	442.0	441.8	441.2	440.9	440.3	439.7	439.4
10°	439.0	438.2	437.6	436.9	436.6	436.1	435.3	434.4	434.0	433.2	432.6
12.5°	433.5	432.6	431.4	430.5	430.2	429.4	428.2	427.5	426.4	425.2	424.2
15°	426.7	425.7	424.6	423.0	422.5	421.6	420.4	418.9	417.4	416.1	414.9
17.5°	419.3	417.7	416.0	414.2	412.8	412.4	410.4	408.3	406.9	404.8	403.5
20°	408.9	406.6	403.9	402.1	400.9	399.5	397.3	395.0	393.3	391.5	389.5
22.5°	394.5	392.4	389.2	386.5	385.6	383.6	381.7	379.6	377.5	375.5	373.1
25°	377.6	375.3	372.2	369.4	367.9	367.0	363.2	361.1	359.0	357.3	355.7
27.5°	360.2	356.1	354.0	349.8	348.4	348.1	344.6	342.4	340.1	337.8	335.7
30°	338.8	335.6	332.4	329.4	327.6	326.5	323.9	321.1	319.6	318.0	315.9
32.5°	316.5	313.7	309.7	306.9	305.5	304.0	301.7	299.8	297.5	295.8	295.4
35°	292.8	289.6	286.3	284.2	283.9	282.1	279.8	278.1	276.5	273.9	273.5
37.5°	267.4	265.6	263.3	260.3	258.9	258.9	256.7	255.5	253.3	253.2	252.0
40°	242.5	241.7	238.2	237.3	237.0	234.9	234.3	232.2	230.7	230.5	228.7
42.5°	217.8	215.9	215.3	213.7	212.4	212.1	210.7	209.8	209.2	208.3	207.4
45°	193.3	192.9	191.4	190.3	189.9	189.3	188.8	187.0	186.7	185.9	185.5
47.5°	172.2	171.0	169.6	168.4	168.2	167.3	166.3	166.3	164.6	164.5	164.2
50°	151.2	150.3	149.5	147.8	148.1	146.9	146.8	145.4	144.7	144.1	144.8
52.5°	132.7	130.9	130.6	129.2	128.8	128.9	127.3	126.8	126.5	125.9	125.6
55°	115.2	114.3	113.1	112.2	111.4	110.7	110.0	110.0	108.4	108.5	107.8
57.5°	99.8	99.0	97.5	96.1	95.8	94.9	94.2	93.4	93.3	92.2	91.5
60°	86.0	84.7	82.7	82.1	81.2	80.4	79.7	78.8	78.3	77.5	76.2
62.5°	73.2	70.9	70.1	68.9	67.9	67.4	66.2	65.2	64.4	63.3	62.3
65°	60.9	59.3	57.9	56.5	56.4	55.2	54.1	53.2	51.7	50.8	48.8
67.5°	49.7	48.2	46.7	45.3	44.3	44.0	42.3	41.3	40.2	38.4	36.7
70°	39.5	37.9	36.7	35.1	34.6	33.4	32.2	31.1	29.3	27.7	26.3
72.5°	30.1	28.4	27.1	25.8	25.1	24.0	22.8	21.6	19.8	18.1	16.9
75°	21.5	20.3	18.9	17.7	17.1	16.5	15.1	13.8	12.5	10.9	9.8
77.5°	14.5	13.3	12.1	11.0	10.3	9.8	8.9	7.9	6.8	5.9	5.1
80°	8.5	7.7	6.8	5.9	5.7	5.3	4.5	3.9	3.3	2.9	2.3
82.5°	4.1	3.6	3.0	2.6	2.3	2.1	1.8	1.5	1.2	1.1	1.1
85°	1.2	1.1	0.9	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°	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7
2.5°	448.5	448.3	448.2	448.0	447.7	447.7	447.3	447.0	447.0	446.7	446.5
5°	444.6	444.1	444.0	443.7	443.4	443.2	442.6	442.4	442.1	441.8	441.8
7.5°	439.0	438.4	437.8	437.5	437.3	436.9	436.6	436.4	435.9	435.6	435.0
10°	431.6	431.1	430.4	430.1	429.8	429.4	428.7	428.2	428.1	427.8	427.5
12.5°	423.0	422.3	421.6	421.0	420.7	420.2	419.5	419.0	419.0	418.4	418.4
15°	413.7	412.8	411.5	410.9	410.7	409.8	409.2	408.6	407.8	407.5	407.5
17.5°	401.9	400.4	399.2	399.2	398.6	397.7	396.8	396.3	395.9	395.3	395.0
20°	388.0	387.0	385.6	385.6	384.3	384.0	383.0	382.9	381.8	382.0	381.5
22.5°	371.3	370.6	369.9	369.3	368.5	367.6	367.2	367.3	366.9	366.7	366.6
25°	354.3	352.7	351.8	351.5	351.1	350.4	350.1	349.9	349.9	349.5	349.6
27.5°	334.8	333.6	332.4	332.9	332.3	331.8	331.5	331.0	331.3	331.2	331.3
30°	314.9	313.4	312.6	312.9	312.8	311.5	312.1	312.0	312.1	312.1	312.5
32.5°	293.9	292.8	292.6	292.8	291.4	291.6	291.0	291.9	292.0	293.0	292.2
35°	272.5	271.9	270.9	270.7	270.9	270.7	270.7	271.3	271.2	272.1	271.8
37.5°	250.6	250.3	249.3	249.6	249.0	250.0	250.3	250.0	251.1	250.8	250.6
40°	229.2	228.7	228.1	229.3	228.6	228.0	229.0	228.1	228.4	229.3	229.3
42.5°	207.4	206.6	206.6	206.6	206.5	206.5	206.9	207.4	207.1	207.2	208.5
45°	185.5	185.3	184.9	185.2	185.0	185.8	185.8	186.1	186.7	187.3	187.0
47.5°	164.3	164.0	164.5	164.2	164.3	163.9	164.2	165.1	165.8	164.8	165.8
50°	144.5	143.9	143.8	144.2	144.1	143.9	144.2	144.2	143.9	143.9	145.0
52.5°	125.6	125.0	124.6	125.3	124.9	125.0	124.4	124.4	124.7	124.4	124.0
55°	107.9	107.5	106.9	107.2	106.4	106.3	105.7	105.7	105.2	104.9	104.0
57.5°	91.0	90.7	89.3	89.2	89.3	88.3	87.2	86.8	85.6	85.3	85.1
60°	76.0	74.4	73.6	72.7	72.1	71.7	70.4	69.7	67.9	66.8	66.7
62.5°	60.5	59.7	58.8	57.4	57.1	55.6	54.4	52.5	51.5	50.2	48.8
65°	47.9	46.0	44.6	43.8	42.6	41.3	39.9	37.8	36.7	35.1	33.7
67.5°	35.1	33.4	31.6	31.0	29.9	28.3	26.9	25.1	24.2	22.7	22.2
70°	24.0	22.5	21.2	20.3	19.5	17.8	16.5	15.9	15.0	14.7	14.7
72.5°	15.4	14.1	12.5	12.1	11.5	10.6	9.7	9.4	9.7	9.5	9.5
75°	8.6	7.9	6.8	6.3	6.3	6.0	5.9	5.9	5.9	5.9	5.9
77.5°	4.4	3.9	3.6	3.5	3.5	3.5	3.6	3.6	3.6	3.8	3.6
80°	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.3	2.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
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 EX6C109027 6LBSQLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7
2.5°	446.4	446.1	446.1	445.9	445.9	445.9	445.9	446.1
5°	441.5	441.4	441.4	441.1	441.1	441.1	441.1	441.1
7.5°	435.0	434.7	434.9	434.6	434.6	434.7	434.6	434.4
10°	427.0	426.9	427.0	427.0	426.7	426.6	426.7	426.9
12.5°	418.0	417.8	417.5	417.7	417.7	417.5	417.4	417.1
15°	407.4	407.2	407.1	406.9	406.8	406.9	406.8	406.5
17.5°	395.0	395.0	394.8	394.7	394.5	394.2	394.4	394.8
20°	381.7	381.5	381.2	381.4	380.8	380.5	380.6	381.1
22.5°	366.4	366.0	366.3	365.8	365.8	366.0	365.8	365.5
25°	349.8	349.2	349.5	349.6	349.6	349.5	349.3	349.5
27.5°	331.3	331.8	331.8	331.5	332.0	331.3	331.6	331.8
30°	312.5	312.0	311.8	312.5	313.4	312.6	312.6	312.8
32.5°	293.0	292.3	292.3	292.6	292.5	292.5	293.1	292.3
35°	272.1	272.4	271.2	271.9	272.2	271.9	272.1	272.1
37.5°	251.1	250.8	250.8	250.8	251.2	251.2	251.5	251.4
40°	230.4	229.8	229.6	229.9	229.3	229.8	229.8	229.3
42.5°	208.0	208.1	208.9	208.1	208.3	208.1	207.8	207.7
45°	187.3	187.7	187.4	187.3	187.4	186.8	187.0	187.4
47.5°	165.4	166.3	165.4	166.0	165.8	165.5	165.2	164.6
50°	144.8	145.1	145.0	144.8	144.7	144.5	143.8	143.3
52.5°	123.8	123.8	123.8	123.8	122.3	123.0	122.7	121.8
55°	103.2	103.7	103.1	103.1	102.0	102.0	101.7	101.9
57.5°	83.4	83.0	82.5	82.5	81.5	81.0	80.6	80.0
60°	65.0	64.5	63.9	63.2	62.1	62.1	61.8	60.6
62.5°	47.6	46.9	46.4	45.8	44.9	44.3	43.8	44.1
65°	32.7	31.9	31.3	31.3	31.3	31.0	30.8	30.8
67.5°	21.5	21.9	21.6	21.9	21.9	21.6	21.5	21.8
70°	14.8	14.8	14.7	14.7	14.7	14.7	14.5	14.7
72.5°	9.5	9.5	9.5	9.7	9.5	9.5	9.7	9.7
75°	6.0	6.0	6.0	6.2	6.0	6.0	6.2	6.0
77.5°	3.6	3.8	3.8	3.8	3.8	3.6	3.8	3.8
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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)