

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

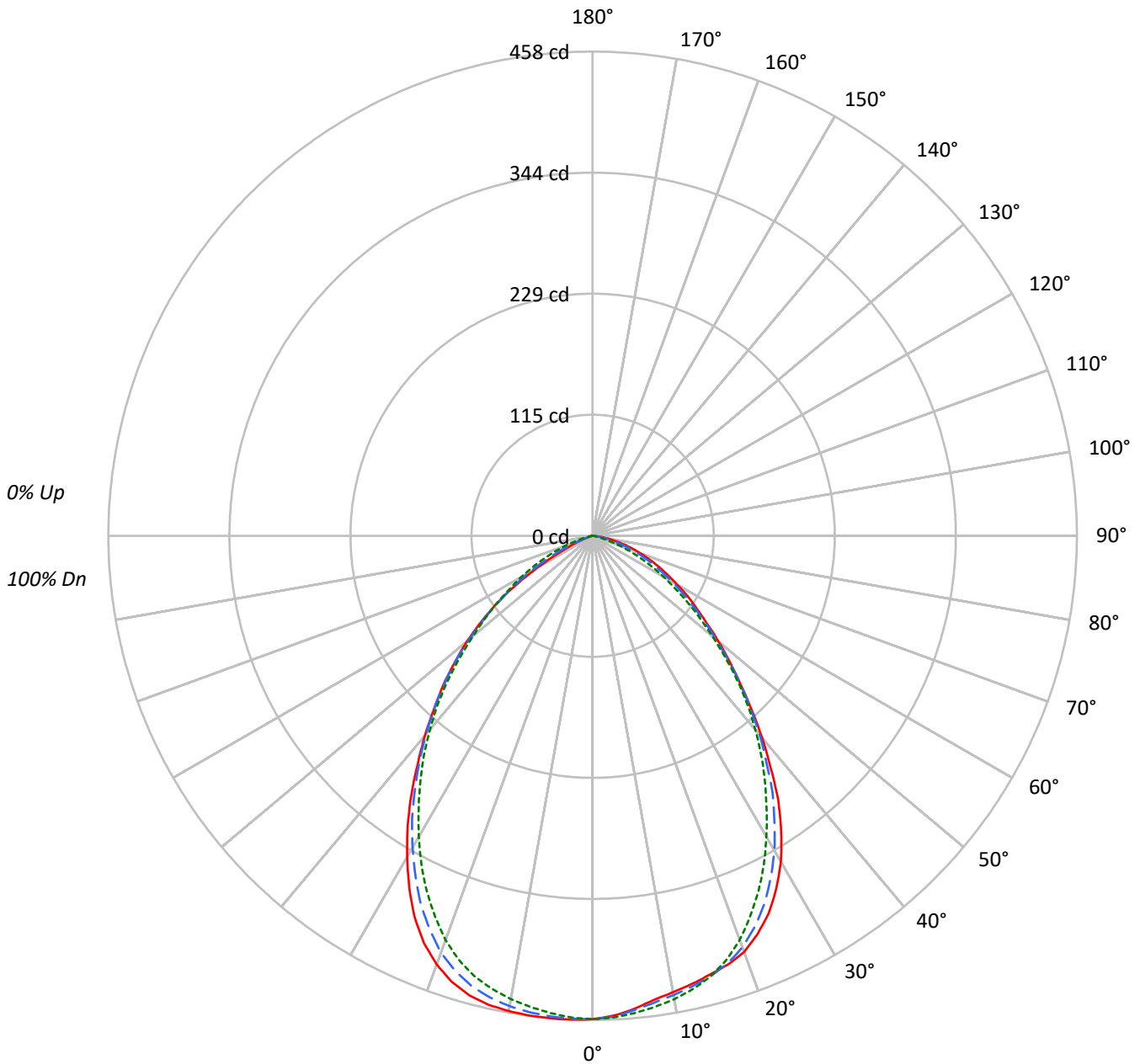
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 841.0 lumens
Efficiency: N/A
Efficacy: 85.8 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°	19689	19689	19689
5°	19419	19587	19803
10°	19162	19455	19958
15°	19149	19234	20067
20°	19194	18639	19762
25°	18722	17625	18912
30°	17704	16342	17441
35°	16094	14927	15705
40°	13995	13439	13866
45°	11995	11782	12160
50°	10402	9873	10369
55°	9030	8212	8167
60°	7948	6648	5167
65°	6968	5053	2476
70°	5992	3349	919
75°	4874	1414	250
80°	3298	347	124
85°	1334	99	99



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	5.1
10°-20°	122.7	14.6
20°-30°	175.8	20.9
30°-40°	183.2	21.8
40°-50°	151.8	18.0
50°-60°	100.6	12.0
60°-70°	48.7	5.8
70°-80°	13.8	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°	341.5	40.6
0°-40°	524.8	62.4
0°-60°	777.2	92.4
0°-90°	841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	457	457	457	457	457	
5°	449	450	453	456	458	43
15°	430	431	432	441	450	121
25°	394	384	371	385	398	180
35°	306	296	284	293	299	190
45°	197	196	194	198	200	153
55°	120	116	109	107	109	109
65°	68	62	50	34	24	68
75°	29	22	8	2	2	31
85°	3	1	0	0	0	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°	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3
2.5°	454.4	454.6	454.9	454.6	454.7	454.9	454.9	455.0	455.0	455.2	455.3
5°	449.3	449.7	449.7	449.7	449.7	449.9	450.0	450.0	449.9	449.9	450.5
7.5°	442.8	443.2	443.1	443.2	443.4	443.8	443.7	444.0	444.3	444.7	445.4
10°	438.3	438.4	438.3	438.7	439.0	439.3	439.3	439.6	439.9	440.4	441.1
12.5°	434.2	434.3	434.5	434.8	435.1	434.9	435.2	435.5	435.7	436.0	436.4
15°	429.6	430.4	430.2	430.4	430.5	430.7	430.8	431.0	430.8	430.8	431.2
17.5°	425.4	425.6	425.7	425.7	425.7	425.7	425.4	425.4	425.0	424.5	424.2
20°	418.9	418.8	418.5	418.5	417.9	418.0	417.4	417.1	416.3	415.3	414.2
22.5°	407.6	408.3	408.0	407.0	406.4	406.4	405.8	404.4	403.2	402.0	400.6
25°	394.1	393.8	393.4	392.8	391.9	391.3	390.4	389.5	387.5	385.4	384.2
27.5°	376.2	376.6	375.6	374.7	374.2	373.3	372.4	371.2	368.8	366.9	364.8
30°	356.1	355.8	355.6	354.4	353.2	353.5	351.7	350.3	348.5	345.5	343.8
32.5°	331.9	332.4	331.4	331.3	329.0	328.7	328.7	326.6	325.1	322.2	320.0
35°	306.2	305.9	305.6	304.6	304.4	303.5	302.7	301.2	299.3	298.4	296.5
37.5°	276.6	276.8	276.9	276.9	276.3	275.7	275.1	275.1	272.4	271.9	269.8
40°	249.0	249.4	249.3	248.2	248.4	248.5	248.4	248.2	246.5	245.9	245.6
42.5°	222.1	222.8	222.1	221.9	222.1	222.1	221.8	222.2	221.5	222.1	220.7
45°	197.0	197.6	197.1	197.0	196.7	197.4	196.5	197.3	196.8	196.1	196.4
47.5°	175.4	174.8	175.4	175.1	174.6	174.0	174.9	174.5	173.4	173.3	173.6
50°	155.3	155.0	155.3	155.1	154.4	154.4	154.2	153.9	153.6	152.7	152.1
52.5°	136.1	137.2	136.4	137.2	136.1	135.7	135.8	135.4	134.8	134.5	133.2
55°	120.3	120.4	120.4	120.4	119.8	119.5	119.2	118.9	118.9	117.5	116.3
57.5°	106.5	106.2	106.1	105.6	105.3	105.0	104.7	103.8	102.9	101.7	100.8
60°	92.3	92.6	92.6	92.0	91.5	91.1	90.9	90.3	89.3	88.1	86.7
62.5°	80.1	80.4	79.6	79.6	78.7	78.6	78.6	77.6	76.4	75.1	73.6
65°	68.4	68.3	68.6	67.5	67.7	66.8	66.5	66.0	64.8	63.1	61.8
67.5°	57.4	57.7	57.3	57.0	56.3	56.0	55.7	54.4	53.8	52.3	50.8
70°	47.6	47.3	47.0	47.0	46.4	45.9	45.8	44.3	43.5	42.3	40.6
72.5°	38.4	38.1	37.8	37.3	36.9	36.7	35.8	34.9	34.0	32.5	31.3
75°	29.3	29.2	28.9	28.6	27.8	27.5	27.3	26.3	24.6	23.4	22.4
77.5°	21.1	21.3	20.7	20.1	19.6	19.2	18.9	18.0	16.9	15.6	14.5
80°	13.3	13.4	13.3	12.8	12.2	12.1	11.6	11.0	10.1	9.2	8.5
82.5°	7.1	7.1	6.9	6.8	6.3	6.3	6.0	5.6	5.1	4.7	4.1
85°	2.7	2.7	2.6	2.4	2.3	2.3	2.1	2.0	1.7	1.5	1.2
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°	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3
2.5°	455.3	455.5	455.6	455.8	455.8	455.8	455.9	456.1	456.1	456.2	456.4
5°	450.8	450.9	451.4	451.5	451.8	451.7	452.1	452.6	452.9	453.2	453.7
7.5°	445.7	446.1	446.7	447.2	447.3	447.5	447.9	448.5	449.0	449.6	450.0
10°	441.4	441.9	442.5	443.1	443.1	443.4	443.7	444.1	444.6	445.0	445.7
12.5°	436.7	437.3	437.5	437.8	437.8	437.9	438.3	438.4	438.9	439.0	439.9
15°	431.2	431.2	431.2	431.2	431.2	431.0	430.7	431.0	431.0	431.5	431.9
17.5°	423.4	423.4	422.5	422.1	422.2	421.5	421.3	420.7	420.7	420.7	421.2
20°	413.3	412.0	410.9	409.5	408.9	408.6	408.3	407.0	406.8	406.8	406.8
22.5°	399.0	397.5	396.0	394.9	393.2	392.6	392.0	391.1	390.1	389.5	390.8
25°	381.4	379.6	377.8	375.7	375.3	374.5	373.0	372.1	371.6	371.0	371.3
27.5°	362.9	360.3	358.3	356.2	355.5	354.6	353.2	351.8	350.3	350.6	350.6
30°	341.6	338.5	336.4	333.9	333.7	332.8	331.6	329.9	328.7	328.7	329.5
32.5°	318.5	316.3	314.4	311.5	311.1	310.4	309.5	308.0	307.1	306.2	306.8
35°	295.0	291.7	290.4	288.5	288.7	287.0	285.7	284.8	284.9	284.0	284.5
37.5°	269.8	267.8	265.9	265.1	264.4	263.5	262.9	262.3	262.0	262.0	261.7
40°	244.3	243.2	242.3	242.0	240.7	241.0	240.8	240.4	239.4	239.1	240.0
42.5°	220.3	219.2	218.7	218.0	217.8	217.4	217.4	216.9	216.8	216.9	216.8
45°	195.5	195.3	194.3	194.3	194.9	194.4	193.2	194.0	194.0	193.5	194.4
47.5°	172.7	172.8	172.2	171.0	171.0	170.3	169.3	170.1	170.6	169.8	170.3
50°	152.0	151.1	149.9	149.0	149.4	149.1	148.3	147.7	147.3	147.4	148.0
52.5°	132.3	131.9	130.5	129.5	129.2	129.3	128.4	127.5	127.7	127.5	127.2
55°	114.7	114.7	112.8	112.4	111.2	111.2	110.0	109.8	109.4	109.4	108.6
57.5°	99.4	98.0	97.0	95.9	95.5	94.9	94.4	93.4	92.9	92.0	91.8
60°	85.4	83.7	82.9	81.7	80.8	80.2	79.5	78.6	78.0	77.2	76.3
62.5°	72.8	71.0	69.5	68.3	67.5	67.4	66.2	65.1	63.9	63.0	61.5
65°	60.3	59.2	57.6	55.9	55.6	54.8	53.6	52.4	50.9	49.6	48.6
67.5°	49.2	47.9	46.4	45.5	44.4	43.8	42.5	40.6	39.0	37.6	36.0
70°	39.4	37.5	36.1	34.6	34.3	32.9	31.7	29.9	28.4	26.6	24.2
72.5°	29.6	27.6	26.6	25.1	24.2	23.4	21.8	20.1	17.7	16.3	14.2
75°	20.8	19.2	17.7	16.2	15.6	14.5	13.1	11.3	9.8	8.5	6.9
77.5°	13.0	11.9	10.6	9.4	8.8	8.2	7.1	5.7	4.7	3.6	2.7
80°	7.4	6.5	5.6	4.7	4.4	4.1	3.2	2.4	2.0	1.4	0.9
82.5°	3.5	2.9	2.4	2.0	1.8	1.5	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°	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3
2.5°	456.4	456.5	456.7	456.7	456.7	456.8	456.8	457.1	457.3	457.4	457.4
5°	454.0	454.4	454.7	454.9	455.0	455.5	455.6	456.1	456.4	456.7	457.0
7.5°	450.6	451.1	451.7	452.0	452.3	452.9	453.4	454.1	454.6	455.2	455.8
10°	446.4	447.0	447.9	448.2	448.5	449.3	450.2	451.1	451.8	452.8	453.5
12.5°	440.2	441.1	442.2	442.5	442.9	444.0	445.0	446.4	447.5	448.7	449.9
15°	432.5	433.7	434.5	434.8	435.4	436.9	437.9	439.5	441.1	442.9	444.3
17.5°	421.8	422.4	423.7	424.4	425.1	426.6	428.3	430.1	431.6	433.6	435.7
20°	407.7	408.6	410.3	410.9	411.8	413.2	415.6	417.1	419.5	421.9	423.4
22.5°	390.2	391.9	393.5	394.3	394.9	396.6	398.2	400.8	402.7	406.1	408.0
25°	372.1	372.5	373.9	375.3	375.6	377.7	379.6	382.7	384.6	386.7	389.5
27.5°	351.2	351.8	354.0	354.3	354.4	356.7	358.9	361.4	363.0	365.4	366.8
30°	329.5	330.5	331.4	332.0	333.1	334.2	336.3	339.3	340.5	342.6	344.4
32.5°	307.3	307.3	309.4	309.5	310.1	312.6	313.8	315.6	317.7	319.4	319.2
35°	285.2	285.8	286.6	287.6	288.1	289.6	290.1	291.4	292.8	294.0	295.5
37.5°	262.4	262.4	264.1	264.8	265.3	266.0	266.8	268.1	268.9	269.4	270.3
40°	240.7	241.3	241.6	241.9	241.9	242.9	243.5	244.6	245.0	246.2	245.6
42.5°	218.6	218.3	218.4	219.2	219.4	220.0	220.4	221.0	221.6	221.3	222.4
45°	195.2	195.3	195.6	195.6	196.1	196.8	197.6	197.9	198.4	199.1	199.3
47.5°	170.7	171.5	171.0	172.2	172.5	172.7	174.5	174.6	176.1	176.4	176.4
50°	147.9	147.9	148.8	149.3	149.6	150.0	150.6	151.2	151.7	152.7	153.0
52.5°	127.4	127.7	127.7	127.2	127.7	127.7	129.2	129.3	129.2	129.5	129.9
55°	108.9	109.1	108.2	108.8	108.6	108.2	108.5	107.6	107.4	107.9	107.6
57.5°	91.2	90.6	90.5	89.7	89.7	89.0	88.2	88.2	87.6	86.6	86.4
60°	75.4	74.5	73.9	73.4	72.2	71.5	70.4	69.5	68.3	66.9	66.2
62.5°	60.4	59.4	58.2	57.6	56.7	54.8	53.5	52.1	50.2	48.9	47.7
65°	47.1	45.5	43.5	42.6	41.7	40.0	38.2	36.0	34.0	32.3	30.2
67.5°	34.1	32.3	30.4	29.0	28.1	26.1	24.0	22.1	19.8	18.0	16.9
70°	22.4	20.1	18.3	17.2	16.3	14.4	12.4	10.7	9.7	9.2	9.1
72.5°	12.7	10.4	9.1	8.0	7.3	5.9	4.8	4.2	3.9	3.8	3.5
75°	5.4	4.1	3.2	2.6	2.3	1.8	1.7	1.7	1.7	1.5	1.5
77.5°	2.0	1.4	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3
2.5°	457.6	457.9	457.9	458.0	458.2	458.2	458.2	458.2
5°	457.3	457.6	457.7	457.9	458.0	458.2	458.2	458.2
7.5°	456.1	456.7	456.8	457.1	457.4	457.6	457.6	457.7
10°	454.3	454.9	455.3	455.6	455.9	456.2	456.5	456.5
12.5°	450.9	451.8	452.5	452.8	453.5	453.8	454.1	454.4
15°	445.5	446.7	447.5	448.1	448.7	449.6	449.7	450.2
17.5°	437.3	439.0	439.3	440.2	441.0	442.5	442.3	442.5
20°	425.6	427.4	428.0	428.9	430.1	431.2	432.1	431.3
22.5°	409.8	412.0	412.9	413.8	414.5	415.4	416.6	416.8
25°	391.3	393.1	393.8	394.4	396.0	396.7	397.9	398.1
27.5°	370.0	371.0	372.1	372.4	374.0	374.5	375.6	375.6
30°	345.8	347.0	348.2	348.7	349.1	349.6	350.3	350.8
32.5°	321.0	322.2	322.7	323.4	323.6	324.3	324.0	325.3
35°	296.2	296.5	297.0	296.8	297.9	297.8	299.0	298.8
37.5°	271.3	271.0	271.8	272.5	272.2	271.9	272.4	271.6
40°	246.4	246.5	246.7	247.5	246.7	247.1	246.8	246.7
42.5°	223.1	223.1	222.2	223.1	222.5	222.2	222.8	221.9
45°	199.6	199.4	199.6	199.7	199.7	199.7	199.1	199.7
47.5°	177.2	177.4	176.8	177.8	177.5	176.9	176.9	176.4
50°	153.5	154.4	155.4	154.5	155.3	154.8	154.4	154.8
52.5°	131.0	131.6	130.8	131.0	132.6	132.6	131.7	131.6
55°	107.0	107.0	107.3	107.4	107.6	109.5	108.5	108.8
57.5°	85.5	85.5	85.1	86.0	85.4	84.6	85.4	83.4
60°	65.0	64.8	64.4	63.8	62.2	61.8	60.1	60.0
62.5°	46.2	44.6	44.0	42.8	41.1	40.6	39.0	38.8
65°	28.7	26.7	26.1	25.5	24.8	24.6	24.0	24.3
67.5°	16.3	16.0	15.9	15.4	15.1	14.8	14.8	14.7
70°	8.6	8.0	7.9	7.7	7.7	7.1	6.9	7.3
72.5°	3.3	3.0	3.0	3.0	2.9	2.9	2.9	2.9
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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)