

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 EX6C109040 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 EX6C109040 6LBSQLWWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBSQLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

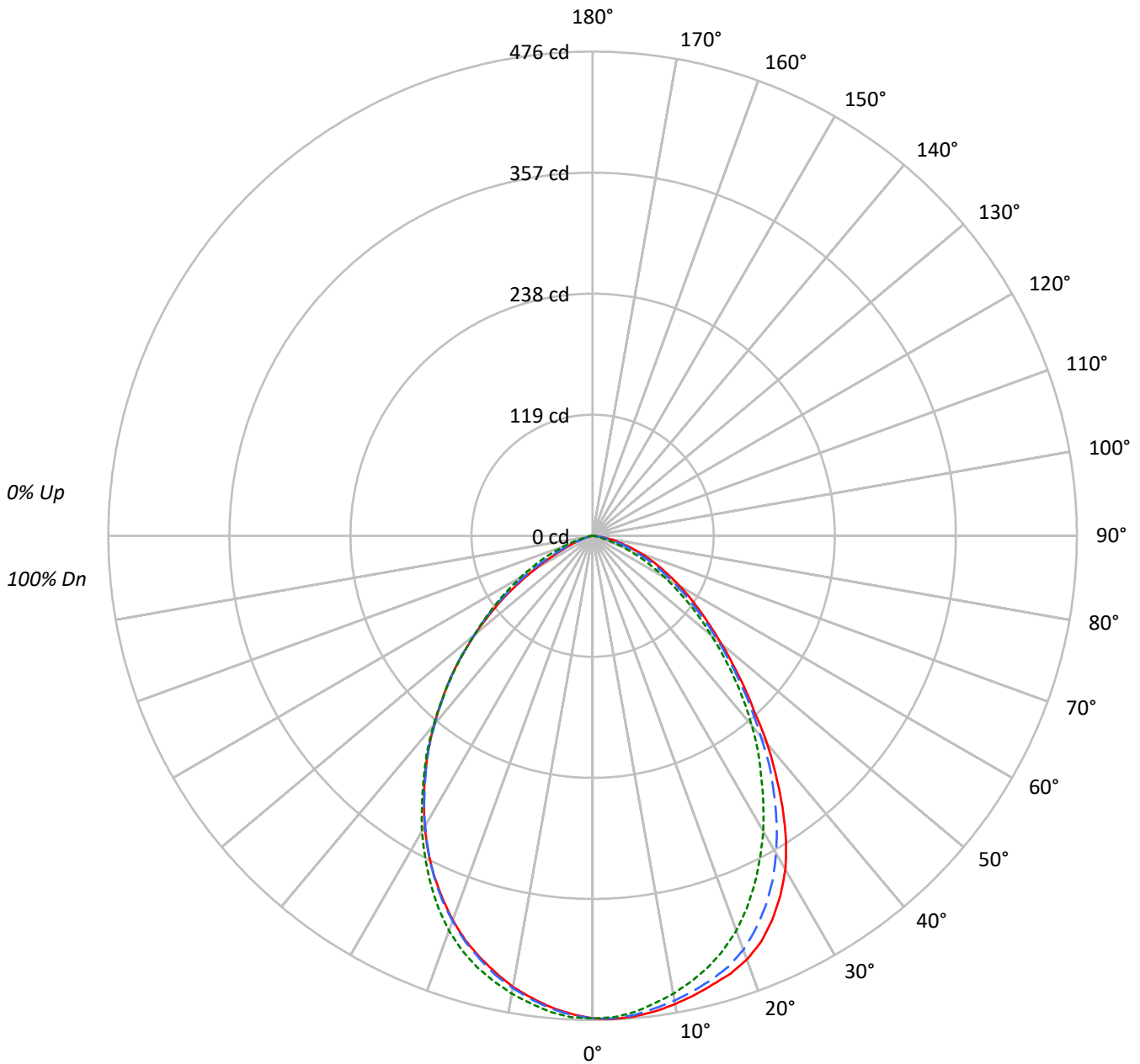
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 863.0 lumens
Efficiency: N/A
Efficacy: 88.1 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°	20426	20426	20426
5°	20499	20313	20115
10°	20435	19984	19691
15°	20357	19568	19114
20°	20312	18923	18419
25°	19820	17910	17516
30°	18833	16680	16406
35°	17093	15190	15090
40°	14996	13669	13596
45°	12854	11947	12044
50°	11066	10181	10128
55°	9676	8595	8070
60°	8499	7044	5511
65°	7437	5461	3311
70°	6345	3676	1951
75°	5124	1913	1065
80°	3570	744	595
85°	1433	247	296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	5.2
10°-20°	124.1	14.4
20°-30°	176.7	20.5
30°-40°	185.9	21.5
40°-50°	155.0	18.0
50°-60°	104.7	12.1
60°-70°	53.1	6.1
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°	345.3	40.0
0°-40°	531.2	61.6
0°-60°	790.8	91.6
0°-90°	863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	863.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	474	474	474	474	474	
5°	474	473	470	466	465	45
15°	457	452	439	430	429	129
25°	417	402	377	369	369	191
35°	325	311	289	286	287	202
45°	211	206	196	197	198	163
55°	129	123	114	111	108	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°	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4
2.5°	475.6	475.6	475.6	475.6	475.6	475.6	475.4	475.4	475.1	475.1	474.9
5°	474.3	474.4	474.4	474.3	474.3	474.0	474.0	473.8	473.3	473.0	472.9
7.5°	471.6	471.6	471.4	471.3	471.1	470.6	470.5	470.0	469.7	469.3	468.7
10°	467.4	467.4	467.3	466.9	466.8	466.5	466.5	465.8	465.2	464.4	463.9
12.5°	462.5	462.6	462.3	462.2	461.7	461.5	461.2	460.4	459.9	459.0	458.2
15°	456.7	457.1	457.1	456.4	455.9	455.8	455.3	454.8	453.7	452.8	451.8
17.5°	451.2	451.5	451.2	450.7	450.2	449.6	449.2	448.3	446.9	445.6	444.1
20°	443.3	443.8	443.2	442.4	441.4	441.3	440.8	439.2	437.1	435.2	433.1
22.5°	432.3	432.0	431.5	431.2	429.6	428.7	428.0	426.0	423.7	421.2	418.6
25°	417.2	417.8	416.9	415.4	414.6	413.7	412.1	409.9	407.8	405.1	402.0
27.5°	399.3	399.3	398.1	397.6	395.8	394.5	393.7	391.5	388.8	386.1	382.7
30°	378.8	377.8	377.8	375.6	374.1	373.7	372.9	369.2	366.8	363.9	360.6
32.5°	353.9	353.7	353.1	351.6	349.7	348.1	348.1	345.6	342.4	338.9	336.8
35°	325.2	325.3	325.0	323.4	323.4	321.5	321.2	319.0	316.4	313.7	311.1
37.5°	295.5	296.1	295.5	294.7	294.2	294.1	292.6	291.0	289.1	287.5	285.6
40°	266.8	265.8	266.2	264.6	264.7	264.4	263.8	261.7	260.6	259.0	256.9
42.5°	235.9	236.8	237.1	236.2	235.9	235.2	235.9	235.1	233.8	233.0	231.1
45°	211.1	210.2	210.7	210.4	210.5	209.2	208.8	208.4	208.0	206.5	205.7
47.5°	186.6	186.7	186.6	186.0	185.6	185.6	185.0	184.0	184.0	183.1	182.4
50°	165.2	165.2	165.5	164.7	164.4	163.8	163.9	163.0	162.3	161.6	161.1
52.5°	145.6	145.8	145.1	145.3	145.0	145.0	144.3	143.7	143.1	141.6	141.3
55°	128.9	129.0	128.2	128.5	127.6	127.1	126.8	125.8	125.8	124.4	122.6
57.5°	113.2	113.1	112.9	112.4	111.8	111.3	110.8	109.7	109.2	108.3	106.8
60°	98.7	98.6	98.2	98.1	97.6	96.5	96.5	95.7	94.1	93.1	91.7
62.5°	85.0	85.0	84.8	84.4	83.9	83.4	83.1	82.4	80.9	79.7	78.5
65°	73.0	72.9	72.4	71.6	71.3	71.3	70.2	69.7	68.4	67.3	65.9
67.5°	61.6	60.9	60.6	60.8	59.8	59.8	58.8	58.0	56.9	55.0	53.9
70°	50.4	50.1	49.8	49.4	49.3	48.6	48.2	47.2	46.1	44.7	42.9
72.5°	40.3	40.3	39.9	39.6	39.1	38.4	38.1	37.3	36.0	34.4	33.2
75°	30.8	30.8	30.8	30.1	29.8	29.5	28.5	28.1	26.6	25.7	24.1
77.5°	22.6	22.3	21.8	21.7	21.4	21.1	20.6	19.8	18.5	17.4	16.4
80°	14.4	14.8	14.4	14.4	13.6	13.2	13.1	12.1	11.6	10.7	9.9
82.5°	8.0	8.1	7.8	7.7	7.2	7.0	7.0	6.4	6.1	5.4	4.9
85°	2.9	3.0	2.9	2.9	2.6	2.7	2.6	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4
2.5°	474.9	474.6	474.6	474.4	474.3	474.3	474.3	474.1	473.8	473.8	473.6
5°	472.5	472.2	471.7	471.4	471.3	471.1	470.9	470.8	470.1	470.0	469.5
7.5°	468.2	467.9	467.1	466.8	466.3	466.2	465.5	465.2	464.6	463.9	463.6
10°	463.1	462.3	461.7	460.9	460.6	460.1	459.3	458.3	457.9	457.1	456.4
12.5°	457.4	456.4	455.1	454.2	453.9	453.1	451.8	451.0	449.9	448.6	447.5
15°	450.2	449.1	448.0	446.2	445.7	444.8	443.5	441.9	440.3	439.0	437.8
17.5°	442.4	440.6	438.9	437.0	435.5	435.1	433.0	430.7	429.3	427.1	425.6
20°	431.4	429.0	426.1	424.2	422.9	421.5	419.1	416.7	415.0	413.0	411.0
22.5°	416.2	414.0	410.7	407.8	406.8	404.8	402.7	400.4	398.2	396.1	393.6
25°	398.4	396.0	392.6	389.8	388.2	387.2	383.2	381.0	378.8	377.0	375.3
27.5°	380.0	375.7	373.5	369.0	367.6	367.3	363.6	361.2	358.8	356.4	354.2
30°	357.4	354.0	350.7	347.5	345.6	344.5	341.8	338.7	337.1	335.5	333.3
32.5°	333.9	330.9	326.8	323.7	322.3	320.7	318.3	316.2	313.9	312.1	311.6
35°	308.9	305.6	302.0	299.8	299.5	297.6	295.2	293.4	291.7	289.0	288.5
37.5°	282.1	280.2	277.8	274.6	273.2	273.2	270.8	269.5	267.3	267.1	265.8
40°	255.8	255.0	251.3	250.4	250.1	247.8	247.2	245.0	243.4	243.2	241.3
42.5°	229.8	227.7	227.1	225.5	224.1	223.7	222.3	221.4	220.7	219.8	218.8
45°	204.0	203.5	201.9	200.8	200.3	199.7	199.2	197.3	197.0	196.2	195.7
47.5°	181.6	180.4	178.9	177.7	177.5	176.5	175.4	175.4	173.7	173.5	173.2
50°	159.5	158.5	157.7	156.0	156.3	155.0	154.9	153.4	152.6	152.0	152.8
52.5°	140.0	138.1	137.8	136.4	135.9	136.0	134.3	133.8	133.5	132.8	132.5
55°	121.5	120.6	119.3	118.3	117.5	116.7	116.1	116.1	114.3	114.5	113.7
57.5°	105.3	104.5	102.9	101.4	101.1	100.2	99.4	98.6	98.4	97.3	96.5
60°	90.7	89.3	87.2	86.6	85.6	84.8	84.0	83.1	82.6	81.8	80.4
62.5°	77.2	74.8	74.0	72.7	71.6	71.1	69.9	68.7	67.9	66.8	65.7
65°	64.3	62.5	61.1	59.6	59.5	58.2	57.1	56.1	54.5	53.6	51.5
67.5°	52.5	50.9	49.3	47.8	46.7	46.4	44.7	43.5	42.4	40.5	38.8
70°	41.6	40.0	38.8	37.0	36.5	35.2	34.0	32.9	30.9	29.2	27.7
72.5°	31.7	30.0	28.5	27.3	26.5	25.4	24.1	22.8	20.9	19.1	17.9
75°	22.6	21.4	19.9	18.7	18.0	17.4	15.9	14.5	13.2	11.5	10.4
77.5°	15.3	14.0	12.8	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°	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4
2.5°	473.2	473.0	472.9	472.7	472.4	472.4	471.9	471.6	471.6	471.3	471.1
5°	469.0	468.5	468.4	468.1	467.7	467.6	466.9	466.8	466.5	466.2	466.2
7.5°	463.1	462.5	461.8	461.5	461.4	460.9	460.6	460.4	459.9	459.6	459.0
10°	455.3	454.8	454.0	453.7	453.4	453.1	452.3	451.8	451.6	451.3	451.0
12.5°	446.2	445.6	444.8	444.1	443.8	443.3	442.5	442.1	442.1	441.4	441.4
15°	436.5	435.5	434.1	433.5	433.3	432.3	431.7	431.1	430.3	430.0	430.0
17.5°	424.1	422.5	421.2	421.2	420.5	419.6	418.6	418.1	417.7	417.0	416.7
20°	409.4	408.3	406.8	406.8	405.4	405.1	404.1	404.0	402.8	403.0	402.5
22.5°	391.7	391.0	390.2	389.6	388.8	387.8	387.4	387.5	387.1	386.9	386.7
25°	373.8	372.1	371.1	370.8	370.5	369.7	369.3	369.2	369.2	368.7	368.9
27.5°	353.2	352.0	350.7	351.2	350.5	350.1	349.7	349.3	349.6	349.4	349.6
30°	332.2	330.6	329.8	330.1	330.0	328.7	329.3	329.2	329.3	329.3	329.6
32.5°	310.0	308.9	308.7	308.9	307.5	307.6	307.0	308.0	308.1	309.1	308.3
35°	287.5	286.9	285.8	285.6	285.8	285.6	285.6	286.3	286.1	287.1	286.7
37.5°	264.4	264.1	263.0	263.3	262.7	263.8	264.1	263.8	264.9	264.6	264.4
40°	241.8	241.3	240.7	241.9	241.1	240.5	241.6	240.7	241.0	241.9	241.9
42.5°	218.8	218.0	218.0	218.0	217.8	217.8	218.3	218.8	218.5	218.6	219.9
45°	195.7	195.5	195.0	195.4	195.2	196.0	196.0	196.3	197.0	197.6	197.3
47.5°	173.4	173.0	173.5	173.2	173.4	172.9	173.2	174.1	174.9	173.8	174.9
50°	152.5	151.8	151.7	152.1	152.0	151.8	152.1	152.1	151.8	151.8	152.9
52.5°	132.5	131.9	131.4	132.2	131.7	131.9	131.2	131.2	131.6	131.2	130.8
55°	113.9	113.4	112.8	113.1	112.3	112.1	111.5	111.5	111.0	110.7	109.7
57.5°	96.0	95.7	94.3	94.1	94.3	93.1	92.0	91.5	90.3	89.9	89.8
60°	80.2	78.5	77.7	76.7	76.1	75.6	74.3	73.5	71.6	70.5	70.3
62.5°	63.8	63.0	62.0	60.6	60.3	58.7	57.4	55.3	54.4	52.9	51.5
65°	50.6	48.5	47.0	46.2	45.0	43.5	42.1	39.9	38.8	37.0	35.6
67.5°	37.0	35.2	33.3	32.7	31.6	29.8	28.4	26.5	25.5	23.9	23.4
70°	25.4	23.8	22.3	21.4	20.6	18.8	17.4	16.7	15.8	15.5	15.5
72.5°	16.3	14.8	13.2	12.8	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 EX6C109040 6LBSQLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4
2.5°	470.9	470.6	470.6	470.5	470.5	470.5	470.5	470.6
5°	465.8	465.7	465.7	465.4	465.4	465.4	465.4	465.4
7.5°	459.0	458.7	458.8	458.5	458.5	458.7	458.5	458.3
10°	450.5	450.4	450.5	450.5	450.2	450.0	450.2	450.4
12.5°	441.0	440.8	440.5	440.6	440.6	440.5	440.3	440.0
15°	429.8	429.6	429.5	429.3	429.2	429.3	429.2	428.8
17.5°	416.7	416.7	416.6	416.4	416.2	415.9	416.1	416.6
20°	402.7	402.5	402.2	402.4	401.7	401.4	401.6	402.0
22.5°	386.6	386.1	386.4	385.9	385.9	386.1	385.9	385.6
25°	369.0	368.4	368.7	368.9	368.9	368.7	368.6	368.7
27.5°	349.6	350.1	350.1	349.7	350.2	349.6	349.9	350.1
30°	329.6	329.2	329.0	329.6	330.6	329.8	329.8	330.0
32.5°	309.1	308.4	308.4	308.7	308.6	308.6	309.2	308.4
35°	287.1	287.4	286.1	286.9	287.2	286.9	287.1	287.1
37.5°	264.9	264.6	264.6	264.6	265.1	265.1	265.4	265.2
40°	243.0	242.4	242.2	242.6	241.9	242.4	242.4	241.9
42.5°	219.4	219.6	220.4	219.6	219.8	219.6	219.3	219.1
45°	197.6	198.1	197.8	197.6	197.8	197.1	197.3	197.8
47.5°	174.5	175.4	174.5	175.1	174.9	174.6	174.3	173.7
50°	152.8	153.1	152.9	152.8	152.6	152.5	151.7	151.2
52.5°	130.6	130.6	130.6	130.6	129.0	129.8	129.5	128.5
55°	108.9	109.4	108.8	108.8	107.6	107.6	107.3	107.5
57.5°	88.0	87.6	87.1	87.1	86.0	85.5	85.0	84.4
60°	68.6	68.1	67.5	66.7	65.5	65.5	65.2	64.0
62.5°	50.2	49.4	49.0	48.3	47.4	46.7	46.2	46.6
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	23.0
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)