

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

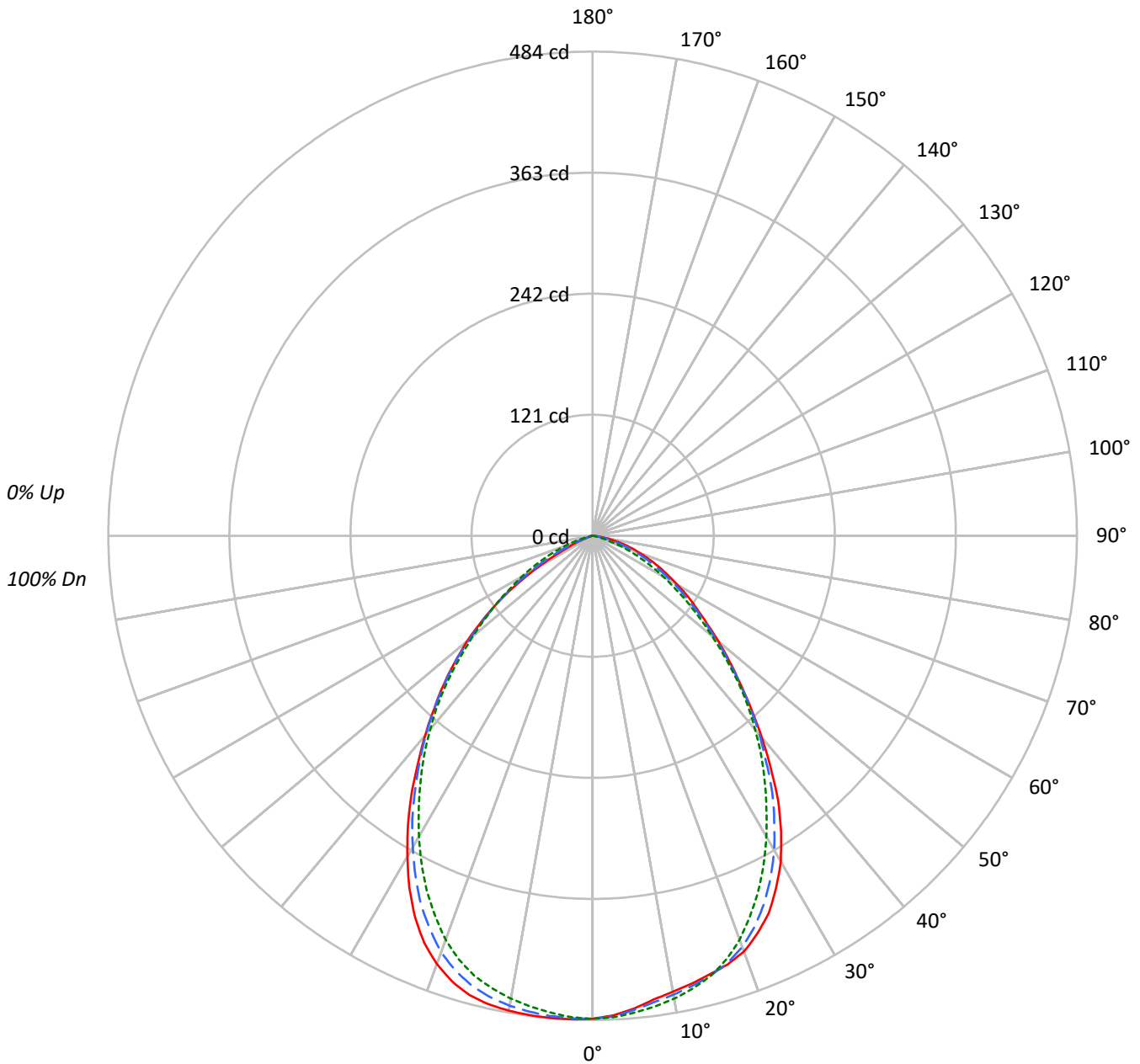
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 888.0 lumens  
Efficiency: N/A  
Efficacy: 90.6 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<sub>in</sub>): 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°	20787	20787	20787
5°	20504	20681	20910
10°	20229	20544	21073
15°	20223	20308	21186
20°	20266	19684	20866
25°	19772	18613	19967
30°	18693	17257	18415
35°	16993	15763	16583
40°	14776	14192	14641
45°	12665	12440	12842
50°	10985	10429	10952
55°	9533	8670	8617
60°	8396	7018	5451
65°	7366	5328	2618
70°	6319	3537	969
75°	5140	1481	266
80°	3471	347	124
85°	1433	99	99



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.5	5.1
10°-20°	129.5	14.6
20°-30°	185.6	20.9
30°-40°	193.4	21.8
40°-50°	160.3	18.0
50°-60°	106.2	12.0
60°-70°	51.4	5.8
70°-80°	14.6	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°	360.6	40.6
0°-40°	554.1	62.4
0°-60°	820.6	92.4
0°-90°	888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	888.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	483	483	483	483	483	
5°	474	476	478	482	484	45
15°	454	455	456	466	475	128
25°	416	406	392	406	420	190
35°	323	313	300	309	316	200
45°	208	207	204	209	211	162
55°	127	123	116	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°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8
2.5°	479.8	480.0	480.3	480.0	480.1	480.3	480.3	480.4	480.4	480.6	480.8
5°	474.4	474.9	474.9	474.9	474.9	475.0	475.2	475.2	475.0	475.0	475.7
7.5°	467.5	468.0	467.8	468.0	468.2	468.6	468.5	468.8	469.1	469.6	470.2
10°	462.7	462.9	462.7	463.2	463.5	463.9	463.9	464.2	464.5	465.0	465.8
12.5°	458.4	458.6	458.8	459.1	459.4	459.2	459.6	459.9	460.0	460.3	460.8
15°	453.7	454.4	454.3	454.4	454.6	454.8	454.9	455.1	454.9	454.9	455.2
17.5°	449.2	449.3	449.5	449.5	449.5	449.5	449.2	449.2	448.7	448.2	447.9
20°	442.3	442.2	441.8	441.8	441.2	441.4	440.7	440.4	439.6	438.5	437.4
22.5°	430.4	431.2	430.8	429.7	429.1	429.1	428.4	427.0	425.7	424.5	423.0
25°	416.2	415.8	415.4	414.7	413.8	413.1	412.2	411.2	409.1	406.9	405.6
27.5°	397.2	397.7	396.5	395.6	395.1	394.2	393.2	391.9	389.4	387.5	385.2
30°	376.0	375.6	375.5	374.2	372.9	373.3	371.3	369.9	368.0	364.8	363.0
32.5°	350.4	350.9	350.0	349.8	347.4	347.1	347.1	344.9	343.3	340.2	337.8
35°	323.3	323.0	322.7	321.6	321.4	320.5	319.7	318.1	316.0	315.0	313.1
37.5°	292.1	292.2	292.4	292.4	291.7	291.1	290.5	290.5	287.6	287.1	284.9
40°	262.9	263.4	263.2	262.1	262.2	262.4	262.2	262.1	260.3	259.7	259.4
42.5°	234.5	235.3	234.5	234.3	234.5	234.5	234.2	234.6	233.8	234.5	233.0
45°	208.0	208.6	208.2	208.0	207.7	208.5	207.5	208.3	207.8	207.0	207.4
47.5°	185.2	184.6	185.2	184.9	184.4	183.8	184.7	184.2	183.1	183.0	183.3
50°	164.0	163.7	164.0	163.8	163.0	163.0	162.9	162.5	162.2	161.3	160.6
52.5°	143.7	144.8	144.0	144.8	143.7	143.2	143.4	142.9	142.3	142.0	140.7
55°	127.0	127.1	127.1	127.1	126.5	126.2	125.9	125.5	125.5	124.1	122.8
57.5°	112.5	112.1	112.0	111.5	111.2	110.9	110.5	109.6	108.6	107.4	106.4
60°	97.5	97.8	97.8	97.1	96.7	96.2	96.0	95.4	94.3	93.0	91.6
62.5°	84.5	84.9	84.1	84.1	83.1	82.9	82.9	82.0	80.7	79.3	77.7
65°	72.3	72.1	72.4	71.3	71.5	70.5	70.2	69.7	68.4	66.7	65.2
67.5°	60.6	60.9	60.5	60.1	59.5	59.2	58.9	57.4	56.8	55.2	53.6
70°	50.2	49.9	49.6	49.6	49.0	48.5	48.3	46.7	45.9	44.7	42.9
72.5°	40.5	40.2	39.9	39.4	38.9	38.8	37.8	36.8	35.9	34.3	33.0
75°	30.9	30.8	30.5	30.1	29.4	29.0	28.9	27.8	26.0	24.7	23.6
77.5°	22.3	22.5	21.9	21.2	20.7	20.3	19.9	19.0	17.9	16.4	15.3
80°	14.0	14.2	14.0	13.6	12.9	12.8	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	2.6	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°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8
2.5°	480.8	480.9	481.1	481.2	481.2	481.2	481.4	481.6	481.6	481.7	481.9
5°	476.0	476.1	476.6	476.8	477.1	476.9	477.4	477.9	478.2	478.5	479.0
7.5°	470.6	471.0	471.7	472.2	472.3	472.5	473.0	473.6	474.1	474.7	475.2
10°	466.1	466.6	467.2	467.8	467.8	468.2	468.5	469.0	469.4	469.9	470.6
12.5°	461.1	461.8	461.9	462.3	462.3	462.4	462.7	462.9	463.4	463.5	464.5
15°	455.2	455.2	455.2	455.2	455.2	455.1	454.8	455.1	455.1	455.6	456.0
17.5°	447.1	447.1	446.2	445.7	445.8	445.0	444.9	444.2	444.2	444.2	444.7
20°	436.4	435.0	433.9	432.4	431.8	431.5	431.2	429.7	429.6	429.6	429.6
22.5°	421.3	419.7	418.1	417.0	415.2	414.6	413.9	413.0	411.9	411.2	412.7
25°	402.8	400.9	398.9	396.7	396.2	395.4	393.8	392.9	392.4	391.8	392.1
27.5°	383.1	380.4	378.4	376.1	375.3	374.4	372.9	371.5	369.9	370.2	370.2
30°	360.7	357.5	355.2	352.5	352.4	351.4	350.1	348.4	347.1	347.1	347.9
32.5°	336.2	334.0	331.9	328.9	328.4	327.8	326.8	325.2	324.3	323.3	324.0
35°	311.5	308.0	306.6	304.7	304.8	303.1	301.6	300.7	300.8	299.9	300.4
37.5°	284.9	282.8	280.7	279.9	279.1	278.2	277.5	276.9	276.6	276.6	276.3
40°	257.9	256.8	255.9	255.5	254.1	254.4	254.3	253.8	252.8	252.5	253.5
42.5°	232.6	231.5	231.0	230.2	230.0	229.5	229.5	229.1	228.9	229.1	228.9
45°	206.4	206.2	205.1	205.1	205.8	205.3	204.0	204.8	204.8	204.3	205.3
47.5°	182.3	182.5	181.8	180.6	180.6	179.8	178.8	179.6	180.1	179.3	179.8
50°	160.5	159.5	158.2	157.3	157.8	157.4	156.6	156.0	155.5	155.7	156.3
52.5°	139.7	139.3	137.8	136.7	136.4	136.5	135.6	134.6	134.8	134.6	134.3
55°	121.1	121.1	119.2	118.7	117.4	117.4	116.1	116.0	115.5	115.5	114.7
57.5°	105.0	103.5	102.4	101.3	100.8	100.2	99.7	98.6	98.1	97.1	97.0
60°	90.1	88.4	87.6	86.3	85.3	84.7	83.9	82.9	82.3	81.5	80.6
62.5°	76.9	75.0	73.4	72.1	71.3	71.1	69.9	68.7	67.5	66.5	64.9
65°	63.6	62.5	60.8	59.0	58.7	57.9	56.6	55.4	53.8	52.3	51.4
67.5°	52.0	50.6	49.0	48.0	46.9	46.3	44.8	42.9	41.2	39.7	38.0
70°	41.6	39.6	38.1	36.5	36.2	34.8	33.5	31.6	30.0	28.1	25.5
72.5°	31.3	29.2	28.1	26.5	25.5	24.7	23.0	21.2	18.7	17.2	15.0
75°	22.0	20.3	18.7	17.1	16.4	15.3	13.9	12.0	10.4	8.9	7.3
77.5°	13.7	12.6	11.2	9.9	9.3	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	2.6	2.1	1.4	1.0
82.5°	3.7	3.0	2.6	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°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8
2.5°	481.9	482.0	482.2	482.2	482.2	482.4	482.4	482.7	482.8	483.0	483.0
5°	479.3	479.8	480.1	480.3	480.4	480.9	481.1	481.6	481.9	482.2	482.5
7.5°	475.8	476.3	476.9	477.3	477.6	478.2	478.7	479.5	480.0	480.6	481.2
10°	471.4	472.0	473.0	473.3	473.6	474.4	475.3	476.3	477.1	478.1	478.9
12.5°	464.8	465.8	466.9	467.2	467.7	468.8	469.9	471.4	472.5	473.7	475.0
15°	456.7	458.0	458.8	459.1	459.7	461.3	462.4	464.0	465.8	467.7	469.1
17.5°	445.4	446.0	447.4	448.1	448.9	450.5	452.2	454.1	455.7	457.8	460.0
20°	430.5	431.5	433.2	433.9	434.8	436.3	438.8	440.4	443.0	445.5	447.1
22.5°	412.0	413.8	415.5	416.3	417.0	418.7	420.5	423.2	425.3	428.8	430.8
25°	392.9	393.4	394.8	396.2	396.5	398.8	400.9	404.0	406.1	408.3	411.2
27.5°	370.9	371.5	373.7	374.1	374.2	376.6	379.0	381.6	383.3	385.9	387.3
30°	347.9	349.0	350.0	350.6	351.7	352.8	355.1	358.3	359.5	361.8	363.7
32.5°	324.4	324.4	326.7	326.8	327.5	330.0	331.3	333.2	335.5	337.2	337.0
35°	301.2	301.8	302.6	303.7	304.2	305.8	306.3	307.7	309.1	310.4	312.0
37.5°	277.1	277.1	278.8	279.6	280.1	280.9	281.7	283.1	283.9	284.4	285.4
40°	254.1	254.7	255.1	255.4	255.4	256.5	257.1	258.2	258.7	260.0	259.4
42.5°	230.8	230.5	230.7	231.5	231.6	232.2	232.7	233.4	234.0	233.7	234.8
45°	206.1	206.2	206.6	206.6	207.0	207.8	208.6	209.0	209.4	210.2	210.4
47.5°	180.2	181.0	180.6	181.8	182.2	182.3	184.2	184.4	186.0	186.3	186.3
50°	156.2	156.2	157.1	157.6	157.9	158.4	159.0	159.7	160.1	161.3	161.6
52.5°	134.5	134.8	134.8	134.3	134.8	134.8	136.4	136.5	136.4	136.7	137.2
55°	115.0	115.2	114.2	114.8	114.7	114.2	114.5	113.6	113.4	113.9	113.6
57.5°	96.3	95.7	95.5	94.7	94.7	94.0	93.2	93.2	92.5	91.4	91.2
60°	79.6	78.6	78.0	77.5	76.2	75.4	74.3	73.4	72.1	70.7	69.9
62.5°	63.8	62.7	61.4	60.8	59.8	57.9	56.5	55.0	53.0	51.7	50.4
65°	49.8	48.0	45.9	45.0	44.0	42.3	40.4	38.0	35.9	34.1	31.9
67.5°	36.0	34.1	32.1	30.6	29.7	27.6	25.4	23.3	20.9	19.0	17.9
70°	23.6	21.2	19.3	18.2	17.2	15.2	13.1	11.3	10.2	9.7	9.6
72.5°	13.4	11.0	9.6	8.5	7.7	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





TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109040 6LBSQLWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8
2.5°	483.2	483.5	483.5	483.6	483.8	483.8	483.8	483.8
5°	482.8	483.2	483.3	483.5	483.6	483.8	483.8	483.8
7.5°	481.6	482.2	482.4	482.7	483.0	483.2	483.2	483.3
10°	479.7	480.3	480.8	481.1	481.4	481.7	482.0	482.0
12.5°	476.1	477.1	477.7	478.1	478.9	479.2	479.5	479.8
15°	470.4	471.7	472.5	473.1	473.7	474.7	474.9	475.3
17.5°	461.8	463.5	463.9	464.8	465.6	467.2	467.0	467.2
20°	449.3	451.3	451.9	452.9	454.1	455.2	456.2	455.4
22.5°	432.8	435.0	435.9	436.9	437.7	438.7	439.9	440.1
25°	413.1	415.0	415.8	416.5	418.1	418.9	420.2	420.3
27.5°	390.6	391.8	392.9	393.2	394.9	395.4	396.5	396.5
30°	365.1	366.4	367.7	368.2	368.6	369.1	369.9	370.4
32.5°	339.0	340.2	340.7	341.5	341.7	342.5	342.2	343.4
35°	312.8	313.1	313.6	313.4	314.6	314.4	315.7	315.5
37.5°	286.5	286.2	287.0	287.8	287.4	287.1	287.6	286.8
40°	260.2	260.3	260.5	261.3	260.5	261.0	260.6	260.5
42.5°	235.6	235.6	234.6	235.6	235.0	234.6	235.3	234.3
45°	210.7	210.6	210.7	210.9	210.9	210.9	210.2	210.9
47.5°	187.1	187.3	186.6	187.7	187.4	186.8	186.8	186.3
50°	162.1	163.0	164.1	163.2	164.0	163.5	163.0	163.5
52.5°	138.3	138.9	138.1	138.3	140.1	140.1	139.1	138.9
55°	112.9	112.9	113.3	113.4	113.6	115.6	114.5	114.8
57.5°	90.3	90.3	89.8	90.8	90.1	89.3	90.1	88.1
60°	68.6	68.4	68.0	67.3	65.7	65.2	63.5	63.3
62.5°	48.8	47.1	46.4	45.1	43.4	42.9	41.2	41.0
65°	30.3	28.2	27.6	27.0	26.2	26.0	25.4	25.7
67.5°	17.2	16.9	16.7	16.3	16.0	15.6	15.6	15.5
70°	9.1	8.5	8.3	8.1	8.1	7.5	7.3	7.7
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)