

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: P684326

Luminaire Tested: **LX6C05D010 EX6C059027 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C05D010 EX6C059027 6LBLWWH
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

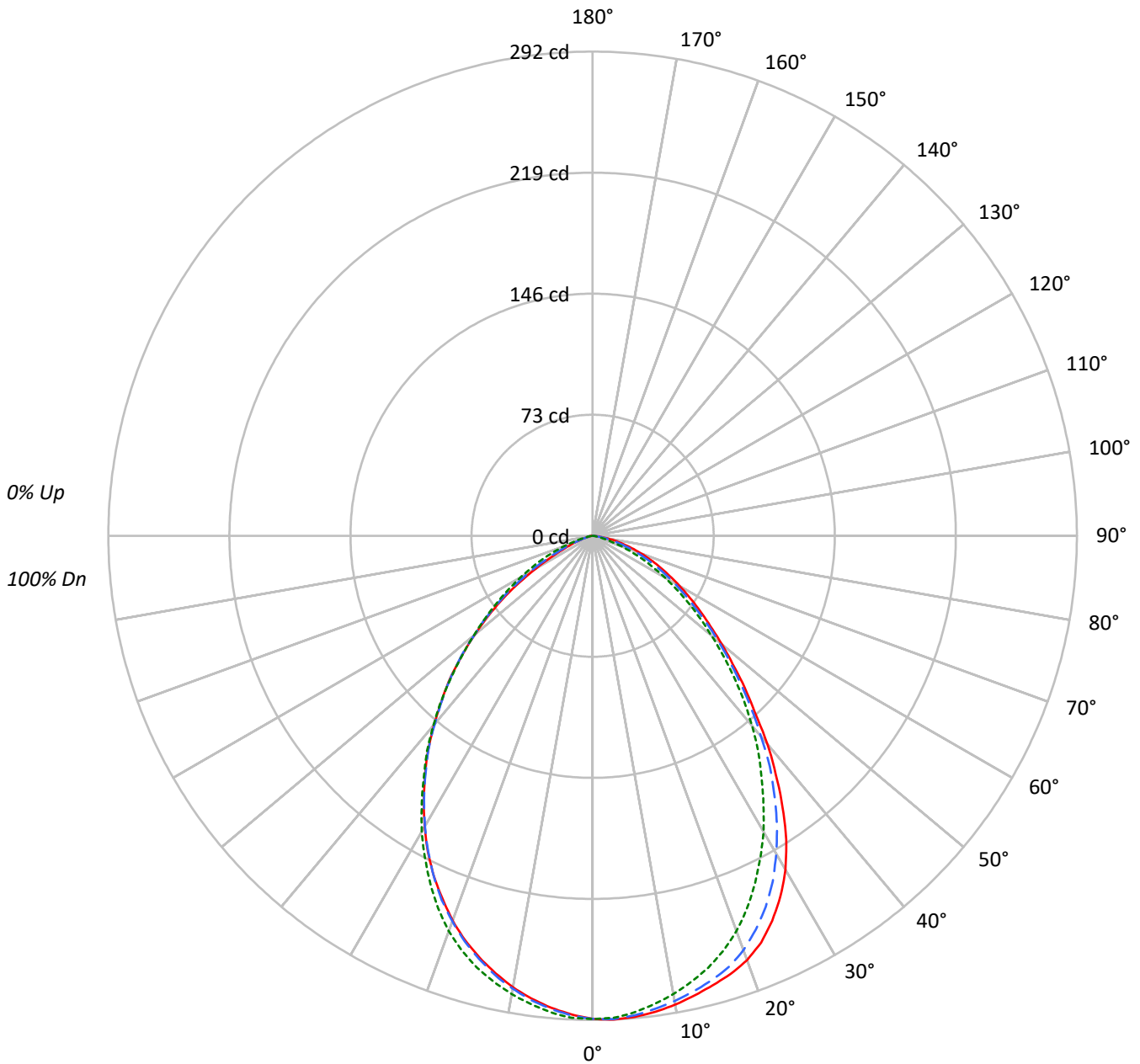
Lumens per Lamp: N/A
Luminaire Lumens: 530.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

TEST NUMBER: P684326

CATALOG NUMBER: LX6C05D010 EX6C059027 6LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P684326

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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°	15975	15975	15975
5°	16030	15882	15727
10°	15982	15625	15397
15°	15920	15301	14949
20°	15886	14800	14404
25°	15497	14003	13694
30°	14724	13046	12825
35°	13365	11879	11799
40°	11729	10691	10634
45°	10055	9342	9412
50°	8656	7957	7914
55°	7560	6719	6308
60°	6644	5504	4309
65°	5824	4268	2594
70°	4953	2869	1523
75°	4003	1504	826
80°	2778	600	474
85°	1132	189	252



TEST NUMBER: P684326

CATALOG NUMBER: LX6C05D010 EX6C059027 6LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	5.2
10°-20°	76.2	14.4
20°-30°	108.5	20.5
30°-40°	114.2	21.5
40°-50°	95.2	18.0
50°-60°	64.3	12.1
60°-70°	32.6	6.2
70°-80°	10.5	2.0
80°-90°	1.2	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°	212.0	40.0
0°-40°	326.2	61.5
0°-60°	485.7	91.6
0°-90°	530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	530.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	291	291	291	291	291	
5°	291	290	289	286	286	28
15°	280	278	270	264	263	79
25°	256	247	232	227	226	117
35°	200	191	178	176	176	124
45°	130	126	120	121	121	100
55°	79	75	70	68	66	71
65°	45	40	33	24	20	45
75°	19	15	7	4	4	20
85°	2	1	0	0	0	3
90°	0	0	0	0	0	



TEST NUMBER: P684326

CATALOG NUMBER: LX6C05D010 EX6C059027 6LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4
2.5°	292.1	292.1	292.1	292.1	292.1	292.1	292.0	292.0	291.8	291.8	291.7
5°	291.3	291.4	291.4	291.3	291.3	291.1	291.1	291.0	290.7	290.5	290.4
7.5°	289.6	289.6	289.5	289.4	289.3	289.0	288.9	288.6	288.4	288.2	287.8
10°	287.1	287.1	287.0	286.8	286.7	286.5	286.5	286.1	285.7	285.2	284.9
12.5°	284.0	284.1	283.9	283.8	283.5	283.4	283.2	282.8	282.5	281.9	281.4
15°	280.5	280.7	280.7	280.3	280.0	279.9	279.6	279.3	278.6	278.1	277.5
17.5°	277.1	277.3	277.1	276.8	276.5	276.1	275.9	275.3	274.4	273.6	272.8
20°	272.3	272.6	272.2	271.7	271.1	271.0	270.7	269.7	268.5	267.3	266.0
22.5°	265.5	265.3	265.0	264.8	263.9	263.3	262.9	261.6	260.2	258.7	257.1
25°	256.2	256.6	256.0	255.1	254.6	254.1	253.1	251.7	250.4	248.8	246.9
27.5°	245.2	245.2	244.5	244.2	243.1	242.3	241.8	240.4	238.8	237.1	235.1
30°	232.6	232.0	232.0	230.7	229.8	229.5	229.0	226.7	225.3	223.5	221.4
32.5°	217.3	217.2	216.8	216.0	214.8	213.8	213.8	212.2	210.3	208.1	206.9
35°	199.7	199.8	199.6	198.6	198.6	197.4	197.3	195.9	194.3	192.6	191.1
37.5°	181.5	181.9	181.5	181.0	180.7	180.6	179.7	178.7	177.6	176.6	175.4
40°	163.9	163.3	163.5	162.5	162.6	162.4	162.0	160.7	160.0	159.1	157.8
42.5°	144.9	145.4	145.6	145.1	144.9	144.5	144.9	144.4	143.6	143.1	141.9
45°	129.7	129.1	129.4	129.2	129.3	128.5	128.2	128.0	127.7	126.8	126.3
47.5°	114.6	114.7	114.6	114.2	114.0	114.0	113.6	113.0	113.0	112.4	112.0
50°	101.5	101.5	101.7	101.2	101.0	100.6	100.7	100.1	99.7	99.2	98.9
52.5°	89.4	89.5	89.1	89.2	89.0	89.0	88.6	88.2	87.9	87.0	86.8
55°	79.1	79.2	78.7	78.9	78.4	78.1	77.9	77.3	77.3	76.4	75.3
57.5°	69.5	69.4	69.3	69.0	68.7	68.4	68.1	67.4	67.1	66.5	65.6
60°	60.6	60.5	60.3	60.2	59.9	59.3	59.3	58.8	57.8	57.2	56.3
62.5°	52.2	52.2	52.1	51.8	51.5	51.2	51.0	50.6	49.7	49.0	48.2
65°	44.9	44.8	44.5	44.0	43.8	43.8	43.1	42.8	42.0	41.3	40.4
67.5°	37.8	37.4	37.2	37.3	36.7	36.7	36.1	35.7	35.0	33.8	33.1
70°	30.9	30.8	30.6	30.4	30.3	29.9	29.6	29.0	28.3	27.4	26.3
72.5°	24.8	24.8	24.5	24.3	24.0	23.6	23.4	22.9	22.1	21.2	20.4
75°	18.9	18.9	18.9	18.5	18.3	18.1	17.5	17.2	16.4	15.8	14.8
77.5°	13.9	13.7	13.4	13.3	13.1	12.9	12.6	12.1	11.4	10.7	10.1
80°	8.8	9.1	8.8	8.8	8.3	8.1	8.0	7.4	7.1	6.6	6.1
82.5°	4.9	5.0	4.8	4.7	4.4	4.3	4.3	3.9	3.7	3.3	3.0
85°	1.8	1.9	1.8	1.8	1.6	1.7	1.6	1.5	1.3	1.1	1.0
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P684326

CATALOG NUMBER: LX6C05D010 EX6C059027 6LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4
2.5°	291.7	291.5	291.5	291.4	291.3	291.3	291.3	291.2	291.0	291.0	290.9
5°	290.2	290.0	289.7	289.5	289.4	289.3	289.2	289.1	288.7	288.6	288.3
7.5°	287.6	287.4	286.9	286.7	286.4	286.3	285.9	285.7	285.3	284.9	284.7
10°	284.4	283.9	283.5	283.0	282.9	282.6	282.1	281.5	281.2	280.7	280.3
12.5°	280.9	280.3	279.5	278.9	278.7	278.2	277.5	277.0	276.3	275.5	274.8
15°	276.5	275.8	275.1	274.0	273.7	273.2	272.4	271.4	270.4	269.6	268.8
17.5°	271.7	270.6	269.5	268.4	267.5	267.2	265.9	264.5	263.7	262.3	261.4
20°	264.9	263.5	261.7	260.5	259.7	258.9	257.4	255.9	254.8	253.7	252.4
22.5°	255.6	254.3	252.2	250.4	249.8	248.6	247.3	245.9	244.6	243.3	241.7
25°	244.7	243.2	241.1	239.4	238.4	237.8	235.4	234.0	232.6	231.5	230.5
27.5°	233.4	230.7	229.4	226.6	225.8	225.6	223.3	221.8	220.4	218.9	217.5
30°	219.5	217.4	215.4	213.4	212.2	211.6	209.9	208.0	207.0	206.1	204.7
32.5°	205.1	203.2	200.7	198.8	197.9	197.0	195.5	194.2	192.7	191.7	191.4
35°	189.7	187.7	185.5	184.1	183.9	182.8	181.3	180.2	179.1	177.5	177.2
37.5°	173.3	172.1	170.6	168.7	167.8	167.8	166.3	165.5	164.1	164.1	163.3
40°	157.1	156.6	154.4	153.8	153.6	152.2	151.8	150.4	149.5	149.4	148.2
42.5°	141.1	139.9	139.5	138.5	137.6	137.4	136.5	135.9	135.6	135.0	134.4
45°	125.3	125.0	124.0	123.3	123.0	122.6	122.3	121.2	121.0	120.5	120.2
47.5°	111.6	110.8	109.9	109.1	109.0	108.4	107.7	107.7	106.7	106.6	106.4
50°	97.9	97.4	96.9	95.8	96.0	95.2	95.1	94.2	93.7	93.3	93.8
52.5°	86.0	84.8	84.6	83.7	83.4	83.5	82.5	82.2	82.0	81.6	81.4
55°	74.6	74.0	73.3	72.7	72.2	71.7	71.3	71.3	70.2	70.3	69.8
57.5°	64.6	64.2	63.2	62.3	62.1	61.5	61.0	60.5	60.4	59.7	59.3
60°	55.7	54.8	53.6	53.2	52.6	52.1	51.6	51.0	50.7	50.2	49.4
62.5°	47.4	45.9	45.4	44.7	44.0	43.7	42.9	42.2	41.7	41.0	40.4
65°	39.5	38.4	37.5	36.6	36.5	35.7	35.1	34.5	33.5	32.9	31.6
67.5°	32.2	31.2	30.3	29.4	28.7	28.5	27.4	26.7	26.1	24.9	23.8
70°	25.6	24.6	23.8	22.7	22.4	21.6	20.9	20.2	19.0	17.9	17.0
72.5°	19.5	18.4	17.5	16.7	16.3	15.6	14.8	14.0	12.8	11.8	11.0
75°	13.9	13.1	12.2	11.5	11.1	10.7	9.8	8.9	8.1	7.1	6.4
77.5°	9.4	8.6	7.8	7.1	6.7	6.4	5.8	5.1	4.4	3.8	3.3
80°	5.5	5.0	4.4	3.8	3.7	3.4	2.9	2.5	2.2	1.9	1.5
82.5°	2.6	2.4	2.0	1.7	1.5	1.4	1.2	1.0	0.8	0.7	0.7
85°	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P684326

CATALOG NUMBER: LX6C05D010 EX6C059027 6LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4
2.5°	290.6	290.5	290.4	290.3	290.1	290.1	289.8	289.6	289.6	289.4	289.3
5°	288.0	287.8	287.7	287.5	287.3	287.2	286.8	286.7	286.5	286.3	286.3
7.5°	284.4	284.0	283.6	283.4	283.3	283.0	282.9	282.8	282.5	282.3	281.9
10°	279.6	279.3	278.8	278.6	278.4	278.2	277.8	277.5	277.4	277.2	277.0
12.5°	274.0	273.6	273.2	272.8	272.6	272.3	271.8	271.5	271.5	271.1	271.1
15°	268.1	267.5	266.6	266.2	266.1	265.5	265.1	264.7	264.2	264.0	264.0
17.5°	260.4	259.4	258.7	258.7	258.3	257.7	257.1	256.8	256.5	256.1	255.9
20°	251.4	250.7	249.8	249.8	249.0	248.8	248.2	248.1	247.4	247.5	247.2
22.5°	240.5	240.2	239.7	239.3	238.8	238.2	237.9	238.0	237.7	237.6	237.5
25°	229.6	228.5	227.9	227.7	227.5	227.0	226.8	226.7	226.7	226.4	226.5
27.5°	216.9	216.2	215.4	215.7	215.3	215.0	214.8	214.5	214.7	214.6	214.7
30°	204.0	203.0	202.5	202.7	202.6	201.9	202.2	202.1	202.2	202.2	202.4
32.5°	190.4	189.7	189.6	189.7	188.8	188.9	188.5	189.1	189.2	189.8	189.3
35°	176.6	176.2	175.5	175.4	175.5	175.4	175.4	175.8	175.7	176.3	176.1
37.5°	162.4	162.2	161.5	161.7	161.3	162.0	162.2	162.0	162.7	162.5	162.4
40°	148.5	148.2	147.8	148.6	148.1	147.7	148.4	147.8	148.0	148.6	148.6
42.5°	134.4	133.9	133.9	133.9	133.8	133.8	134.1	134.4	134.2	134.3	135.1
45°	120.2	120.1	119.8	120.0	119.9	120.4	120.4	120.6	121.0	121.3	121.2
47.5°	106.5	106.3	106.6	106.4	106.5	106.2	106.4	107.0	107.4	106.8	107.4
50°	93.6	93.2	93.1	93.4	93.3	93.2	93.4	93.4	93.2	93.2	93.9
52.5°	81.4	81.0	80.7	81.2	80.9	81.0	80.6	80.6	80.8	80.6	80.3
55°	69.9	69.6	69.2	69.4	69.0	68.9	68.5	68.5	68.2	68.0	67.4
57.5°	59.0	58.8	57.9	57.8	57.9	57.2	56.5	56.2	55.4	55.2	55.1
60°	49.3	48.2	47.7	47.1	46.7	46.4	45.6	45.2	44.0	43.3	43.2
62.5°	39.2	38.7	38.1	37.2	37.0	36.0	35.3	34.0	33.4	32.5	31.6
65°	31.0	29.8	28.9	28.4	27.6	26.7	25.9	24.5	23.8	22.7	21.8
67.5°	22.7	21.6	20.5	20.1	19.4	18.3	17.4	16.3	15.7	14.7	14.4
70°	15.6	14.6	13.7	13.1	12.6	11.6	10.7	10.3	9.7	9.5	9.5
72.5°	10.0	9.1	8.1	7.8	7.4	6.9	6.3	6.1	6.3	6.2	6.2
75°	5.6	5.1	4.4	4.1	4.1	3.9	3.8	3.8	3.8	3.8	3.8
77.5°	2.8	2.5	2.4	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4
80°	1.4	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.4
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P684326

CATALOG NUMBER: LX6C05D010 EX6C059027 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	291.4	291.4	291.4	291.4	291.4	291.4	291.4	291.4
2.5°	289.2	289.0	289.0	288.9	288.9	288.9	288.9	289.0
5°	286.1	286.0	286.0	285.8	285.8	285.8	285.8	285.8
7.5°	281.9	281.7	281.8	281.6	281.6	281.7	281.6	281.5
10°	276.7	276.6	276.7	276.7	276.5	276.4	276.5	276.6
12.5°	270.8	270.7	270.5	270.6	270.6	270.5	270.4	270.2
15°	264.0	263.9	263.8	263.7	263.6	263.7	263.6	263.4
17.5°	255.9	255.9	255.8	255.7	255.6	255.4	255.5	255.8
20°	247.3	247.2	247.0	247.1	246.7	246.5	246.6	246.9
22.5°	237.4	237.1	237.3	237.0	237.0	237.1	237.0	236.8
25°	226.6	226.2	226.4	226.5	226.5	226.4	226.3	226.4
27.5°	214.7	215.0	215.0	214.8	215.1	214.7	214.9	215.0
30°	202.4	202.1	202.1	202.4	203.0	202.5	202.5	202.6
32.5°	189.8	189.4	189.4	189.6	189.5	189.5	189.9	189.4
35°	176.3	176.5	175.7	176.2	176.4	176.2	176.3	176.3
37.5°	162.7	162.5	162.5	162.5	162.8	162.8	163.0	162.9
40°	149.3	148.9	148.8	149.0	148.6	148.9	148.9	148.6
42.5°	134.8	134.9	135.4	134.9	135.0	134.9	134.7	134.6
45°	121.3	121.6	121.4	121.3	121.4	121.1	121.2	121.4
47.5°	107.1	107.7	107.1	107.5	107.4	107.2	107.0	106.7
50°	93.8	94.0	93.9	93.8	93.7	93.6	93.1	92.8
52.5°	80.2	80.2	80.2	80.2	79.2	79.7	79.5	78.9
55°	66.9	67.2	66.8	66.8	66.1	66.1	65.9	66.0
57.5°	54.1	53.8	53.5	53.5	52.8	52.5	52.2	51.8
60°	42.1	41.8	41.4	40.9	40.3	40.3	40.1	39.3
62.5°	30.9	30.4	30.1	29.7	29.1	28.7	28.4	28.6
65°	21.2	20.7	20.3	20.3	20.3	20.1	20.0	20.0
67.5°	13.9	14.2	14.0	14.2	14.2	14.0	13.9	14.1
70°	9.6	9.6	9.5	9.5	9.5	9.5	9.4	9.5
72.5°	6.2	6.2	6.2	6.3	6.2	6.2	6.3	6.3
75°	3.9	3.9	3.9	4.0	3.9	3.9	4.0	3.9
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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)