

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 EX6C109050 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 EX6C109050 6LBSQLWWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBSQLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

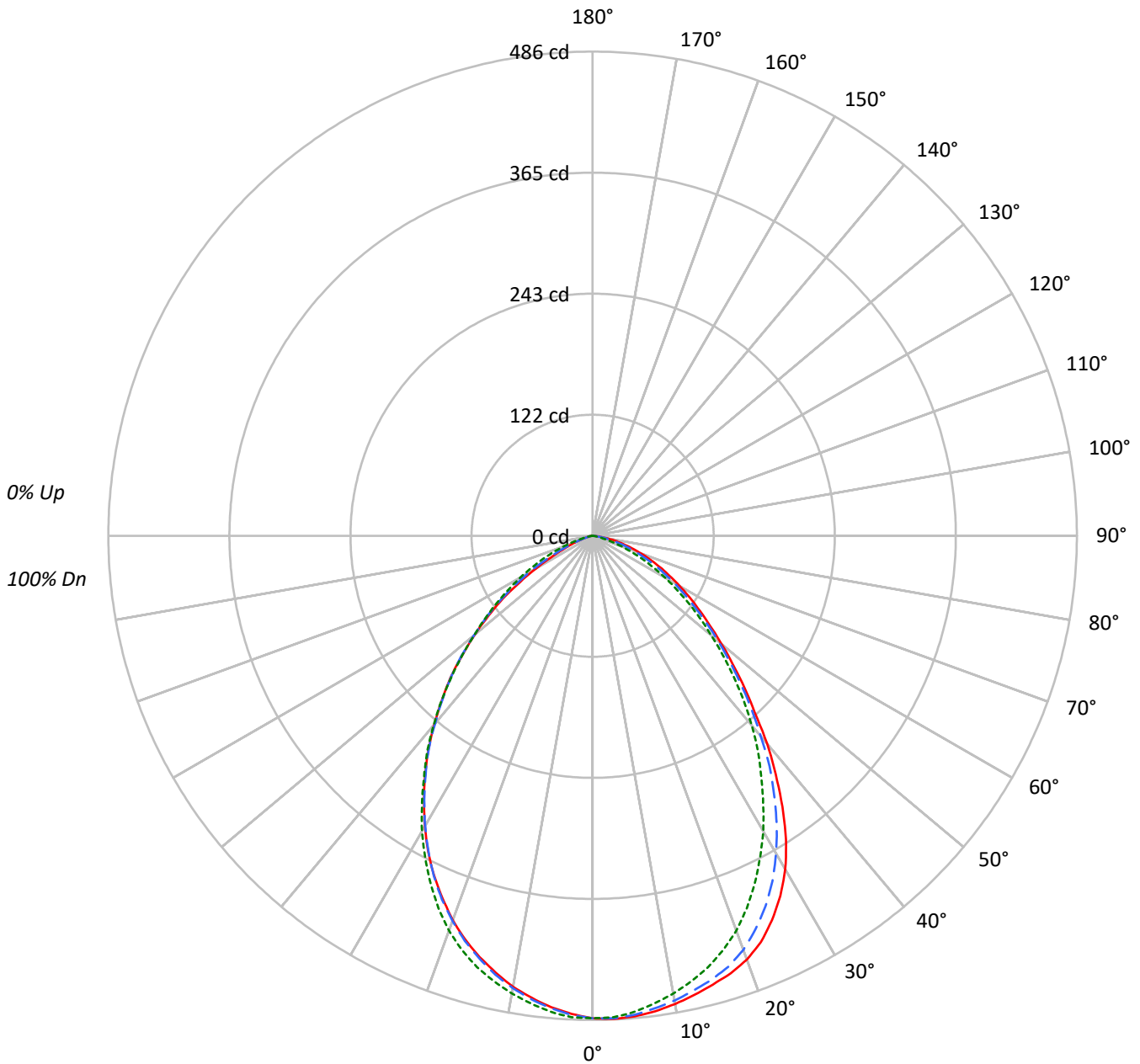
Lumens per Lamp: N/A
Luminaire Lumens: 881.0 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109050 6LBSQLWWH

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°	20852	20852	20852
5°	20927	20737	20534
10°	20863	20400	20102
15°	20785	19978	19515
20°	20738	19322	18804
25°	20233	18285	17882
30°	19225	17028	16744
35°	17450	15506	15400
40°	15310	13956	13883
45°	13128	12190	12294
50°	11300	10396	10335
55°	9871	8775	8235
60°	8680	7190	5623
65°	7600	5573	3382
70°	6471	3751	1989
75°	5224	1946	1081
80°	3645	769	595
85°	1433	247	346



TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109050 6LBSQLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	5.2
10°-20°	126.7	14.4
20°-30°	180.3	20.5
30°-40°	189.8	21.5
40°-50°	158.2	18.0
50°-60°	106.9	12.1
60°-70°	54.2	6.2
70°-80°	17.5	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°	352.5	40.0
0°-40°	542.3	61.5
0°-60°	807.3	91.6
0°-90°	881.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	881.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	484	484	484	484	484	
5°	484	483	480	476	475	46
15°	466	461	448	439	438	132
25°	426	410	385	377	376	195
35°	332	318	295	292	293	207
45°	216	210	200	201	202	167
55°	132	125	117	113	110	118
65°	75	67	55	40	33	74
75°	31	25	12	6	6	34
85°	3	2	0	1	1	5
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109050 6LBSQLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3
2.5°	485.5	485.5	485.5	485.5	485.5	485.5	485.3	485.3	485.0	485.0	484.8
5°	484.2	484.3	484.3	484.2	484.2	483.9	483.9	483.7	483.2	482.9	482.7
7.5°	481.4	481.4	481.2	481.1	480.9	480.4	480.3	479.8	479.5	479.1	478.5
10°	477.2	477.2	477.0	476.7	476.5	476.2	476.2	475.5	474.9	474.1	473.6
12.5°	472.1	472.3	472.0	471.8	471.3	471.2	470.8	470.0	469.5	468.5	467.7
15°	466.3	466.6	466.6	465.9	465.5	465.3	464.8	464.3	463.2	462.2	461.2
17.5°	460.6	460.9	460.6	460.1	459.6	458.9	458.6	457.6	456.2	454.9	453.4
20°	452.6	453.1	452.4	451.6	450.6	450.5	450.0	448.4	446.2	444.3	442.2
22.5°	441.4	441.0	440.5	440.2	438.6	437.6	437.0	434.8	432.6	430.0	427.4
25°	425.9	426.5	425.6	424.1	423.3	422.3	420.7	418.4	416.3	413.5	410.4
27.5°	407.7	407.7	406.4	405.9	404.1	402.8	402.0	399.7	396.9	394.1	390.7
30°	386.7	385.7	385.7	383.4	381.9	381.4	380.6	376.9	374.4	371.5	368.1
32.5°	361.3	361.1	360.4	359.0	357.0	355.4	355.4	352.8	349.5	346.0	343.8
35°	332.0	332.1	331.8	330.2	330.2	328.2	327.9	325.6	323.0	320.2	317.6
37.5°	301.7	302.3	301.7	300.9	300.4	300.2	298.7	297.1	295.2	293.5	291.6
40°	272.4	271.4	271.7	270.1	270.3	269.9	269.3	267.2	266.0	264.4	262.3
42.5°	240.8	241.8	242.1	241.1	240.8	240.1	240.8	240.0	238.7	237.9	235.9
45°	215.6	214.6	215.1	214.7	214.9	213.6	213.1	212.8	212.3	210.8	210.0
47.5°	190.5	190.6	190.5	189.8	189.5	189.5	188.9	187.9	187.9	186.9	186.2
50°	168.7	168.7	169.0	168.2	167.9	167.2	167.4	166.4	165.7	164.9	164.4
52.5°	148.6	148.8	148.2	148.3	148.0	148.0	147.3	146.7	146.0	144.6	144.2
55°	131.5	131.7	130.9	131.2	130.2	129.8	129.4	128.5	128.5	127.0	125.2
57.5°	115.6	115.4	115.3	114.8	114.1	113.6	113.1	112.0	111.5	110.5	109.1
60°	100.8	100.6	100.3	100.1	99.6	98.5	98.5	97.7	96.1	95.1	93.6
62.5°	86.8	86.8	86.6	86.1	85.6	85.1	84.8	84.2	82.5	81.4	80.1
65°	74.6	74.4	73.9	73.1	72.8	72.8	71.6	71.1	69.8	68.7	67.2
67.5°	62.8	62.2	61.9	62.0	61.1	61.1	60.1	59.3	58.1	56.2	55.0
70°	51.4	51.1	50.8	50.5	50.3	49.7	49.2	48.2	47.1	45.6	43.8
72.5°	41.2	41.2	40.7	40.4	39.9	39.2	38.9	38.1	36.8	35.2	33.9
75°	31.4	31.4	31.4	30.8	30.4	30.1	29.1	28.7	27.2	26.2	24.6
77.5°	23.1	22.8	22.3	22.1	21.8	21.5	21.0	20.2	18.9	17.7	16.8
80°	14.7	15.1	14.7	14.7	13.8	13.5	13.3	12.4	11.9	10.9	10.1
82.5°	8.1	8.3	8.0	7.8	7.3	7.2	7.2	6.5	6.2	5.5	5.0
85°	2.9	3.1	2.9	2.9	2.6	2.8	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



TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109050 6LBSQLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3
2.5°	484.8	484.5	484.5	484.3	484.2	484.2	484.2	484.0	483.7	483.7	483.5
5°	482.4	482.1	481.6	481.2	481.1	480.9	480.8	480.6	479.9	479.8	479.3
7.5°	478.0	477.7	476.9	476.5	476.0	475.9	475.2	474.9	474.2	473.6	473.3
10°	472.8	472.0	471.3	470.5	470.2	469.7	468.9	467.9	467.4	466.6	465.9
12.5°	466.9	465.9	464.6	463.7	463.3	462.5	461.2	460.4	459.3	458.0	456.8
15°	459.6	458.5	457.3	455.5	455.0	454.1	452.8	451.1	449.5	448.2	446.9
17.5°	451.6	449.8	448.0	446.1	444.6	444.1	442.0	439.7	438.3	436.0	434.5
20°	440.4	437.9	435.0	433.1	431.8	430.3	427.8	425.4	423.6	421.7	419.5
22.5°	424.9	422.6	419.2	416.3	415.3	413.2	411.1	408.8	406.5	404.4	401.8
25°	406.7	404.2	400.8	397.9	396.3	395.3	391.2	388.9	386.7	384.9	383.1
27.5°	388.0	383.6	381.3	376.7	375.3	374.9	371.2	368.8	366.3	363.9	361.6
30°	364.8	361.4	358.0	354.7	352.8	351.7	348.9	345.8	344.2	342.5	340.3
32.5°	340.9	337.8	333.6	330.5	329.0	327.4	325.0	322.8	320.4	318.6	318.1
35°	315.4	311.9	308.3	306.1	305.7	303.8	301.3	299.6	297.8	295.0	294.5
37.5°	288.0	286.0	283.6	280.3	278.9	278.9	276.4	275.1	272.9	272.7	271.4
40°	261.1	260.3	256.6	255.6	255.3	253.0	252.3	250.1	248.4	248.3	246.3
42.5°	234.6	232.5	231.8	230.2	228.7	228.4	226.9	226.0	225.3	224.3	223.4
45°	208.2	207.7	206.1	205.0	204.5	203.8	203.3	201.4	201.1	200.2	199.8
47.5°	185.4	184.1	182.7	181.4	181.2	180.2	179.1	179.1	177.3	177.1	176.8
50°	162.8	161.8	161.0	159.2	159.5	158.2	158.1	156.6	155.8	155.2	156.0
52.5°	142.9	141.0	140.7	139.2	138.7	138.9	137.1	136.6	136.3	135.6	135.3
55°	124.1	123.1	121.8	120.8	120.0	119.2	118.5	118.5	116.7	116.9	116.1
57.5°	107.5	106.6	105.0	103.5	103.2	102.2	101.4	100.6	100.4	99.3	98.5
60°	92.6	91.2	89.1	88.4	87.4	86.6	85.8	84.8	84.3	83.5	82.1
62.5°	78.8	76.4	75.5	74.2	73.1	72.6	71.3	70.2	69.4	68.2	67.1
65°	65.6	63.8	62.4	60.9	60.7	59.4	58.3	57.3	55.7	54.7	52.6
67.5°	53.6	51.9	50.3	48.8	47.7	47.4	45.6	44.4	43.3	41.4	39.6
70°	42.5	40.9	39.6	37.8	37.3	36.0	34.7	33.5	31.6	29.8	28.3
72.5°	32.4	30.6	29.1	27.8	27.0	25.9	24.6	23.3	21.3	19.5	18.2
75°	23.1	21.8	20.4	19.0	18.4	17.7	16.3	14.8	13.5	11.7	10.6
77.5°	15.6	14.3	13.0	11.9	11.1	10.6	9.6	8.5	7.3	6.3	5.5
80°	9.1	8.3	7.3	6.3	6.2	5.7	4.9	4.2	3.6	3.1	2.4
82.5°	4.4	3.9	3.3	2.8	2.4	2.3	2.0	1.6	1.3	1.1	1.1
85°	1.3	1.1	1.0	0.8	0.7	0.7	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



TEST NUMBER: P#

CATALOG NUMBER: LX6C10D010 EX6C109050 6LBSQLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3
2.5°	483.0	482.9	482.7	482.5	482.2	482.2	481.7	481.4	481.4	481.1	480.9
5°	478.8	478.3	478.2	477.8	477.5	477.3	476.7	476.5	476.2	475.9	475.9
7.5°	472.8	472.1	471.5	471.2	471.0	470.5	470.2	470.0	469.5	469.2	468.5
10°	464.8	464.3	463.5	463.2	462.9	462.5	461.7	461.2	461.1	460.7	460.4
12.5°	455.5	454.9	454.1	453.4	453.1	452.6	451.8	451.3	451.3	450.6	450.6
15°	445.6	444.6	443.2	442.5	442.3	441.4	440.7	440.1	439.2	438.9	438.9
17.5°	432.9	431.3	430.0	430.0	429.3	428.3	427.4	426.9	426.4	425.7	425.4
20°	417.9	416.8	415.3	415.3	413.8	413.5	412.5	412.4	411.2	411.4	410.9
22.5°	399.8	399.2	398.4	397.7	396.9	395.9	395.4	395.6	395.1	395.0	394.8
25°	381.6	379.8	378.8	378.5	378.2	377.4	377.1	376.9	376.9	376.4	376.6
27.5°	360.6	359.3	358.0	358.5	357.8	357.4	357.0	356.5	356.9	356.7	356.9
30°	339.1	337.5	336.7	337.0	336.8	335.5	336.2	336.0	336.2	336.2	336.5
32.5°	316.5	315.4	315.2	315.4	313.9	314.0	313.4	314.4	314.5	315.5	314.7
35°	293.5	292.9	291.7	291.6	291.7	291.6	291.6	292.2	292.1	293.0	292.7
37.5°	269.9	269.6	268.5	268.8	268.1	269.3	269.6	269.3	270.4	270.1	269.9
40°	246.8	246.3	245.7	247.0	246.2	245.5	246.6	245.7	246.0	247.0	247.0
42.5°	223.4	222.6	222.6	222.6	222.4	222.4	222.9	223.4	223.0	223.2	224.5
45°	199.8	199.6	199.1	199.4	199.3	200.1	200.1	200.4	201.1	201.7	201.4
47.5°	177.0	176.6	177.1	176.8	177.0	176.5	176.8	177.8	178.6	177.5	178.6
50°	155.6	155.0	154.8	155.3	155.2	155.0	155.3	155.3	155.0	155.0	156.1
52.5°	135.3	134.6	134.2	135.0	134.5	134.6	134.0	134.0	134.3	134.0	133.5
55°	116.2	115.8	115.1	115.4	114.6	114.5	113.8	113.8	113.3	113.0	112.0
57.5°	98.0	97.7	96.2	96.1	96.2	95.1	93.9	93.4	92.1	91.8	91.7
60°	81.9	80.1	79.3	78.3	77.7	77.2	75.9	75.1	73.1	72.0	71.8
62.5°	65.1	64.3	63.3	61.9	61.5	59.9	58.6	56.5	55.5	54.1	52.6
65°	51.6	49.5	48.0	47.2	45.9	44.4	43.0	40.7	39.6	37.8	36.3
67.5°	37.8	36.0	34.0	33.4	32.2	30.4	29.0	27.0	26.0	24.4	23.9
70°	25.9	24.3	22.8	21.8	21.0	19.2	17.7	17.1	16.1	15.8	15.8
72.5°	16.6	15.1	13.5	13.0	12.4	11.4	10.4	10.1	10.4	10.3	10.3
75°	9.3	8.5	7.3	6.8	6.8	6.5	6.3	6.3	6.3	6.3	6.3
77.5°	4.7	4.2	3.9	3.7	3.7	3.7	3.9	3.9	3.9	4.1	3.9
80°	2.3	2.1	2.1	2.1	2.3	2.3	2.3	2.3	2.3	2.4	2.3
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	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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 EX6C109050 6LBSQLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	484.3	484.3	484.3	484.3	484.3	484.3	484.3	484.3
2.5°	480.8	480.4	480.4	480.3	480.3	480.3	480.3	480.4
5°	475.5	475.4	475.4	475.1	475.1	475.1	475.1	475.1
7.5°	468.5	468.2	468.4	468.1	468.1	468.2	468.1	467.9
10°	459.9	459.8	459.9	459.9	459.6	459.4	459.6	459.8
12.5°	450.2	450.0	449.7	449.8	449.8	449.7	449.5	449.2
15°	438.8	438.6	438.4	438.3	438.1	438.3	438.1	437.8
17.5°	425.4	425.4	425.2	425.1	424.9	424.6	424.8	425.2
20°	411.1	410.9	410.6	410.8	410.1	409.8	409.9	410.4
22.5°	394.6	394.1	394.5	394.0	394.0	394.1	394.0	393.7
25°	376.7	376.1	376.4	376.6	376.6	376.4	376.2	376.4
27.5°	356.9	357.4	357.4	357.0	357.5	356.9	357.2	357.4
30°	336.5	336.0	335.9	336.5	337.5	336.7	336.7	336.8
32.5°	315.5	314.9	314.9	315.2	315.0	315.0	315.7	314.9
35°	293.0	293.4	292.1	292.9	293.2	292.9	293.0	293.0
37.5°	270.4	270.1	270.1	270.1	270.6	270.6	270.9	270.7
40°	248.1	247.5	247.3	247.6	247.0	247.5	247.5	247.0
42.5°	224.0	224.2	225.0	224.2	224.3	224.2	223.9	223.7
45°	201.7	202.2	201.9	201.7	201.9	201.2	201.4	201.9
47.5°	178.1	179.1	178.1	178.8	178.6	178.3	177.9	177.3
50°	156.0	156.3	156.1	156.0	155.8	155.6	154.8	154.3
52.5°	133.3	133.3	133.3	133.3	131.7	132.5	132.2	131.2
55°	111.2	111.7	111.0	111.0	109.9	109.9	109.6	109.7
57.5°	89.9	89.4	88.9	88.9	87.8	87.3	86.8	86.1
60°	70.0	69.5	68.9	68.1	66.9	66.9	66.6	65.3
62.5°	51.3	50.5	50.0	49.3	48.4	47.7	47.2	47.5
65°	35.2	34.4	33.7	33.7	33.7	33.4	33.2	33.2
67.5°	23.1	23.6	23.3	23.6	23.6	23.3	23.1	23.4
70°	16.0	16.0	15.8	15.8	15.8	15.8	15.6	15.8
72.5°	10.3	10.3	10.3	10.4	10.3	10.3	10.4	10.4
75°	6.5	6.5	6.5	6.7	6.5	6.5	6.7	6.5
77.5°	3.9	4.1	4.1	4.1	4.1	3.9	4.1	4.1
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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)