

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

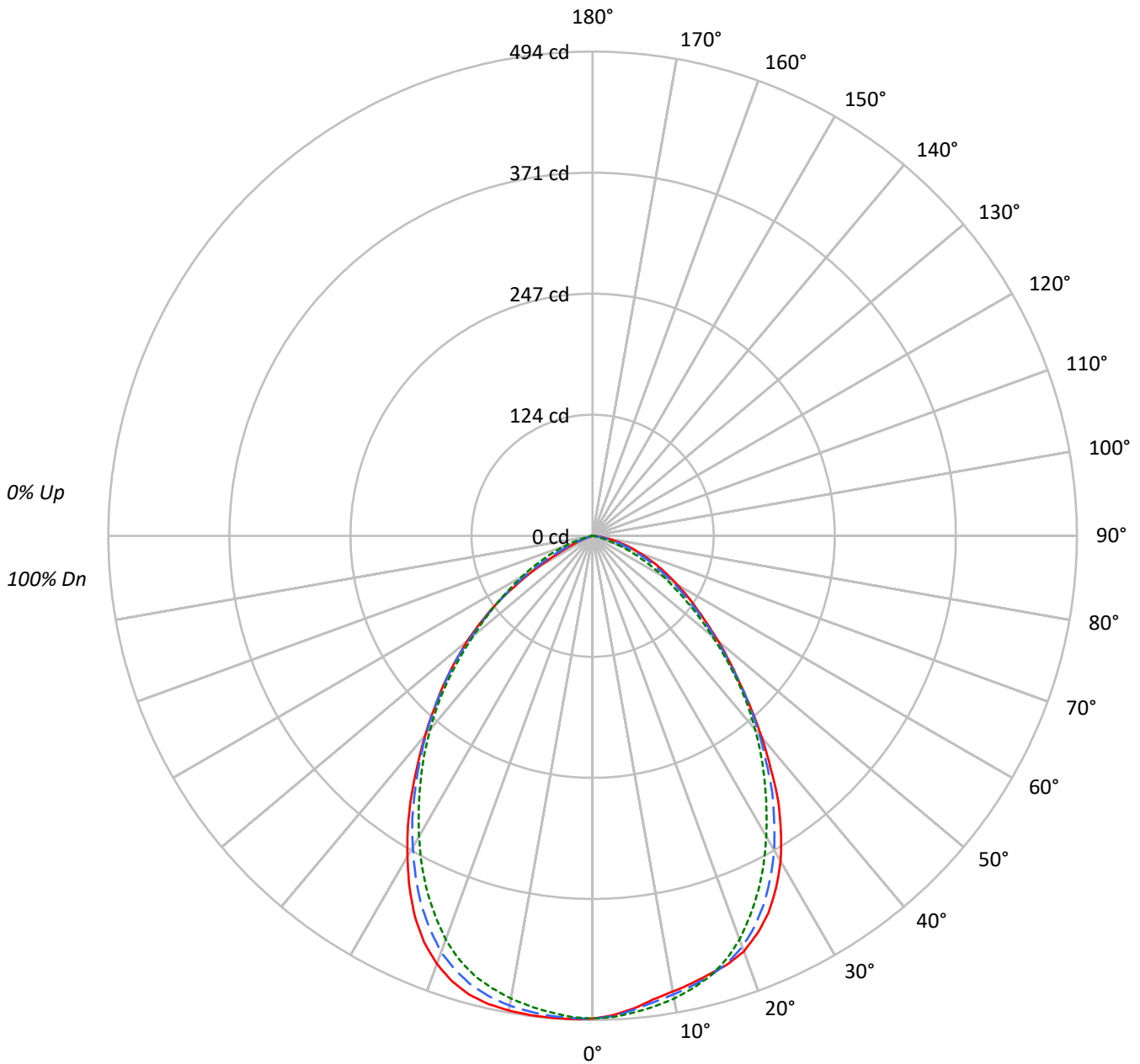
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 906.0 lumens
Efficiency: N/A
Efficacy: 92.5 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	48	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°	21209	21209	21209
5°	20919	21100	21333
10°	20640	20959	21501
15°	20629	20718	21619
20°	20678	20082	21287
25°	20171	18988	20371
30°	19071	17605	18788
35°	17340	16084	16919
40°	15074	14478	14939
45°	12921	12696	13097
50°	11206	10637	11173
55°	9721	8843	8798
60°	8559	7164	5563
65°	7508	5440	2669
70°	6458	3600	982
75°	5257	1514	266
80°	3546	372	124
85°	1433	99	99



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	5.1
10°-20°	132.2	14.6
20°-30°	189.4	20.9
30°-40°	197.4	21.8
40°-50°	163.5	18.0
50°-60°	108.4	12.0
60°-70°	52.5	5.8
70°-80°	14.9	1.6
80°-90°	1.5	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°	367.9	40.6
0°-40°	565.3	62.4
0°-60°	837.2	92.4
0°-90°	906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	493	493	493	493	493	
5°	484	485	488	492	494	46
15°	463	464	465	475	485	131
25°	425	414	400	414	429	194
35°	330	320	306	315	322	205
45°	212	212	208	214	215	165
55°	130	125	118	116	117	117
65°	74	67	53	37	26	73
75°	32	24	9	2	2	34
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°	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6
2.5°	489.5	489.7	490.0	489.7	489.9	490.0	490.0	490.2	490.2	490.3	490.5
5°	484.0	484.5	484.5	484.5	484.5	484.7	484.8	484.8	484.7	484.7	485.3
7.5°	477.0	477.5	477.3	477.5	477.7	478.1	478.0	478.3	478.6	479.1	479.8
10°	472.1	472.3	472.1	472.6	472.9	473.3	473.3	473.6	473.9	474.4	475.2
12.5°	467.7	467.9	468.1	468.4	468.7	468.5	468.9	469.2	469.4	469.7	470.2
15°	462.8	463.7	463.5	463.7	463.8	464.0	464.1	464.3	464.1	464.1	464.5
17.5°	458.3	458.5	458.6	458.6	458.6	458.6	458.3	458.3	457.8	457.3	457.0
20°	451.3	451.1	450.8	450.8	450.2	450.3	449.7	449.3	448.5	447.4	446.2
22.5°	439.1	439.9	439.6	438.4	437.8	437.8	437.1	435.7	434.4	433.1	431.6
25°	424.6	424.3	423.8	423.1	422.2	421.5	420.5	419.6	417.4	415.2	413.9
27.5°	405.2	405.7	404.6	403.6	403.1	402.1	401.2	399.9	397.3	395.3	393.0
30°	383.6	383.3	383.1	381.8	380.5	380.8	378.9	377.4	375.5	372.2	370.4
32.5°	357.5	358.0	357.1	356.9	354.5	354.1	354.1	351.9	350.2	347.1	344.7
35°	329.9	329.6	329.2	328.1	327.9	327.0	326.1	324.5	322.4	321.4	319.5
37.5°	298.0	298.1	298.3	298.3	297.7	297.0	296.4	296.4	293.4	292.9	290.7
40°	268.2	268.7	268.5	267.4	267.6	267.7	267.6	267.4	265.6	264.9	264.6
42.5°	239.2	240.0	239.2	239.1	239.2	239.2	238.9	239.4	238.6	239.2	237.8
45°	212.2	212.9	212.4	212.2	211.9	212.7	211.7	212.5	212.1	211.2	211.6
47.5°	188.9	188.3	188.9	188.6	188.1	187.5	188.5	188.0	186.8	186.7	187.0
50°	167.3	167.0	167.3	167.1	166.3	166.3	166.2	165.8	165.5	164.5	163.9
52.5°	146.6	147.8	147.0	147.8	146.6	146.1	146.3	145.8	145.2	144.8	143.5
55°	129.5	129.7	129.7	129.7	129.1	128.7	128.4	128.1	128.1	126.6	125.3
57.5°	114.7	114.4	114.2	113.8	113.4	113.1	112.8	111.8	110.8	109.5	108.6
60°	99.4	99.8	99.8	99.1	98.6	98.1	98.0	97.3	96.2	94.9	93.4
62.5°	86.3	86.6	85.8	85.8	84.8	84.6	84.6	83.7	82.3	80.9	79.3
65°	73.7	73.6	73.9	72.7	72.9	71.9	71.6	71.1	69.8	68.0	66.6
67.5°	61.8	62.2	61.7	61.4	60.7	60.4	60.1	58.6	57.9	56.3	54.7
70°	51.3	50.9	50.6	50.6	50.0	49.5	49.3	47.7	46.9	45.6	43.8
72.5°	41.3	41.0	40.7	40.2	39.7	39.5	38.6	37.6	36.6	35.0	33.7
75°	31.6	31.4	31.1	30.8	29.9	29.6	29.5	28.3	26.5	25.2	24.1
77.5°	22.8	22.9	22.3	21.6	21.2	20.7	20.3	19.4	18.2	16.8	15.6
80°	14.3	14.5	14.3	13.8	13.2	13.0	12.5	11.9	10.9	9.9	9.1
82.5°	7.6	7.6	7.5	7.3	6.8	6.8	6.5	6.0	5.5	5.0	4.4
85°	2.9	2.9	2.8	2.6	2.4	2.4	2.3	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°	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6
2.5°	490.5	490.7	490.8	491.0	491.0	491.0	491.2	491.3	491.3	491.5	491.7
5°	485.6	485.8	486.3	486.4	486.8	486.6	487.1	487.6	487.9	488.2	488.7
7.5°	480.1	480.6	481.2	481.7	481.9	482.0	482.5	483.2	483.7	484.3	484.8
10°	475.5	476.0	476.7	477.3	477.3	477.7	478.0	478.5	479.0	479.4	480.1
12.5°	470.5	471.1	471.3	471.6	471.6	471.8	472.1	472.3	472.8	472.9	473.9
15°	464.5	464.5	464.5	464.5	464.5	464.3	464.0	464.3	464.3	464.8	465.3
17.5°	456.2	456.2	455.2	454.7	454.9	454.1	453.9	453.2	453.2	453.2	453.7
20°	445.3	443.8	442.7	441.2	440.5	440.2	439.9	438.4	438.3	438.3	438.3
22.5°	429.8	428.2	426.6	425.4	423.6	423.0	422.3	421.3	420.2	419.6	421.0
25°	410.9	409.0	407.0	404.7	404.3	403.4	401.8	400.8	400.4	399.7	400.0
27.5°	390.9	388.1	386.0	383.8	382.9	382.0	380.5	379.0	377.4	377.7	377.7
30°	368.0	364.7	362.4	359.7	359.5	358.5	357.2	355.4	354.1	354.1	354.9
32.5°	343.1	340.8	338.7	335.6	335.1	334.4	333.5	331.8	330.9	329.9	330.5
35°	317.8	314.3	312.8	310.8	311.0	309.2	307.8	306.8	306.9	306.0	306.4
37.5°	290.7	288.5	286.4	285.6	284.8	283.8	283.2	282.5	282.2	282.2	281.9
40°	263.2	262.0	261.0	260.7	259.3	259.6	259.4	258.9	258.0	257.6	258.6
42.5°	237.3	236.1	235.7	234.8	234.7	234.2	234.2	233.7	233.5	233.7	233.5
45°	210.6	210.4	209.3	209.3	209.9	209.5	208.2	209.0	209.0	208.5	209.5
47.5°	186.0	186.2	185.5	184.2	184.2	183.4	182.4	183.3	183.7	182.9	183.4
50°	163.7	162.7	161.4	160.5	161.0	160.6	159.8	159.2	158.7	158.8	159.5
52.5°	142.6	142.1	140.6	139.5	139.1	139.3	138.3	137.4	137.5	137.4	137.0
55°	123.5	123.5	121.6	121.1	119.8	119.8	118.5	118.3	117.8	117.8	117.0
57.5°	107.1	105.6	104.5	103.3	102.9	102.2	101.7	100.6	100.1	99.1	98.9
60°	92.0	90.2	89.3	88.0	87.1	86.4	85.6	84.6	84.0	83.2	82.2
62.5°	78.4	76.5	74.9	73.6	72.7	72.6	71.3	70.1	68.8	67.9	66.2
65°	64.9	63.8	62.0	60.2	59.9	59.1	57.8	56.5	54.8	53.4	52.4
67.5°	53.1	51.6	50.0	49.0	47.8	47.2	45.7	43.8	42.0	40.5	38.7
70°	42.5	40.4	38.9	37.3	36.9	35.5	34.2	32.2	30.6	28.6	26.0
72.5°	31.9	29.8	28.6	27.0	26.0	25.2	23.4	21.6	19.0	17.6	15.3
75°	22.5	20.7	19.0	17.4	16.8	15.6	14.2	12.2	10.6	9.1	7.5
77.5°	14.0	12.9	11.4	10.1	9.4	8.8	7.6	6.2	5.0	3.9	2.9
80°	8.0	7.0	6.0	5.0	4.7	4.4	3.4	2.6	2.1	1.5	1.0
82.5°	3.7	3.1	2.6	2.1	2.0	1.6	1.1	0.8	0.5	0.3	0.2
85°	1.1	0.8	0.7	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°	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6
2.5°	491.7	491.8	492.0	492.0	492.0	492.1	492.1	492.5	492.6	492.8	492.8
5°	489.0	489.5	489.9	490.0	490.2	490.7	490.8	491.3	491.7	492.0	492.3
7.5°	485.5	486.0	486.6	486.9	487.3	487.9	488.4	489.2	489.7	490.3	491.0
10°	480.9	481.6	482.5	482.9	483.2	484.0	485.0	486.0	486.8	487.7	488.6
12.5°	474.2	475.2	476.4	476.7	477.2	478.3	479.4	480.9	482.0	483.4	484.7
15°	465.9	467.2	468.1	468.4	469.0	470.7	471.8	473.4	475.2	477.2	478.6
17.5°	454.4	455.0	456.5	457.1	458.0	459.6	461.4	463.3	465.0	467.1	469.4
20°	439.2	440.2	442.0	442.7	443.6	445.1	447.7	449.3	451.9	454.5	456.2
22.5°	420.4	422.2	423.9	424.8	425.4	427.2	429.0	431.8	433.9	437.5	439.6
25°	400.8	401.3	402.8	404.3	404.6	406.9	409.0	412.2	414.3	416.6	419.6
27.5°	378.4	379.0	381.3	381.6	381.8	384.2	386.7	389.3	391.1	393.7	395.1
30°	354.9	356.1	357.1	357.7	358.9	360.0	362.3	365.5	366.8	369.1	371.1
32.5°	331.0	331.0	333.3	333.5	334.1	336.7	338.0	340.0	342.3	344.0	343.9
35°	307.3	307.9	308.7	309.9	310.4	312.0	312.5	313.9	315.4	316.7	318.3
37.5°	282.7	282.7	284.5	285.3	285.8	286.6	287.4	288.9	289.7	290.2	291.2
40°	259.3	259.9	260.2	260.6	260.6	261.7	262.3	263.5	264.0	265.3	264.6
42.5°	235.5	235.2	235.3	236.1	236.3	237.0	237.4	238.1	238.7	238.4	239.6
45°	210.3	210.4	210.8	210.8	211.2	212.1	212.9	213.2	213.7	214.5	214.7
47.5°	183.9	184.7	184.2	185.5	185.9	186.0	188.0	188.1	189.8	190.1	190.1
50°	159.3	159.3	160.3	160.8	161.1	161.6	162.3	162.9	163.4	164.5	164.9
52.5°	137.2	137.5	137.5	137.0	137.5	137.5	139.1	139.3	139.1	139.5	140.0
55°	117.3	117.5	116.5	117.2	117.0	116.5	116.9	115.9	115.7	116.2	115.9
57.5°	98.3	97.6	97.5	96.7	96.7	95.9	95.0	95.0	94.4	93.3	93.1
60°	81.2	80.2	79.6	79.1	77.8	77.0	75.8	74.9	73.6	72.1	71.3
62.5°	65.1	64.0	62.7	62.0	61.0	59.1	57.6	56.1	54.0	52.7	51.4
65°	50.8	49.0	46.9	45.9	44.9	43.1	41.2	38.7	36.6	34.8	32.5
67.5°	36.8	34.8	32.7	31.2	30.3	28.2	25.9	23.8	21.3	19.4	18.2
70°	24.1	21.6	19.7	18.6	17.6	15.5	13.3	11.6	10.4	9.9	9.8
72.5°	13.7	11.2	9.8	8.6	7.8	6.3	5.2	4.6	4.2	4.1	3.7
75°	5.9	4.4	3.4	2.8	2.4	2.0	1.8	1.8	1.8	1.6	1.6
77.5°	2.1	1.5	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.7	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#

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	492.6	492.6	492.6	492.6	492.6	492.6	492.6	492.6
2.5°	493.0	493.3	493.3	493.4	493.6	493.6	493.6	493.6
5°	492.6	493.0	493.1	493.3	493.4	493.6	493.6	493.6
7.5°	491.3	492.0	492.1	492.5	492.8	493.0	493.0	493.1
10°	489.4	490.0	490.5	490.8	491.2	491.5	491.8	491.8
12.5°	485.8	486.8	487.4	487.7	488.6	488.9	489.2	489.5
15°	479.9	481.2	482.0	482.7	483.4	484.3	484.5	485.0
17.5°	471.1	472.9	473.3	474.2	475.1	476.7	476.5	476.7
20°	458.5	460.4	461.1	462.0	463.3	464.5	465.4	464.6
22.5°	441.5	443.8	444.8	445.8	446.6	447.5	448.8	449.0
25°	421.5	423.5	424.3	424.9	426.6	427.4	428.7	428.8
27.5°	398.6	399.7	400.8	401.2	403.0	403.4	404.6	404.6
30°	372.5	373.8	375.1	375.6	376.1	376.6	377.4	377.9
32.5°	345.8	347.1	347.6	348.4	348.6	349.4	349.1	350.4
35°	319.1	319.5	320.0	319.8	320.9	320.8	322.1	321.9
37.5°	292.3	292.0	292.8	293.6	293.3	292.9	293.4	292.6
40°	265.4	265.6	265.8	266.6	265.8	266.3	265.9	265.8
42.5°	240.4	240.4	239.4	240.4	239.7	239.4	240.0	239.1
45°	215.0	214.8	215.0	215.1	215.1	215.1	214.5	215.1
47.5°	190.9	191.1	190.4	191.6	191.2	190.6	190.6	190.1
50°	165.3	166.3	167.5	166.5	167.3	166.8	166.3	166.8
52.5°	141.1	141.8	140.9	141.1	142.9	142.9	141.9	141.8
55°	115.2	115.2	115.5	115.7	115.9	118.0	116.9	117.2
57.5°	92.1	92.1	91.6	92.6	92.0	91.1	92.0	89.8
60°	70.0	69.8	69.3	68.7	67.1	66.6	64.8	64.6
62.5°	49.8	48.0	47.4	46.1	44.3	43.8	42.0	41.8
65°	30.9	28.8	28.2	27.5	26.7	26.5	25.9	26.2
67.5°	17.6	17.3	17.1	16.6	16.3	15.9	15.9	15.8
70°	9.3	8.6	8.5	8.3	8.3	7.6	7.5	7.8
72.5°	3.6	3.3	3.3	3.3	3.1	3.1	3.1	3.1
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)