

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 EX6C109030 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 EX6C109030 6LBSQLWWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

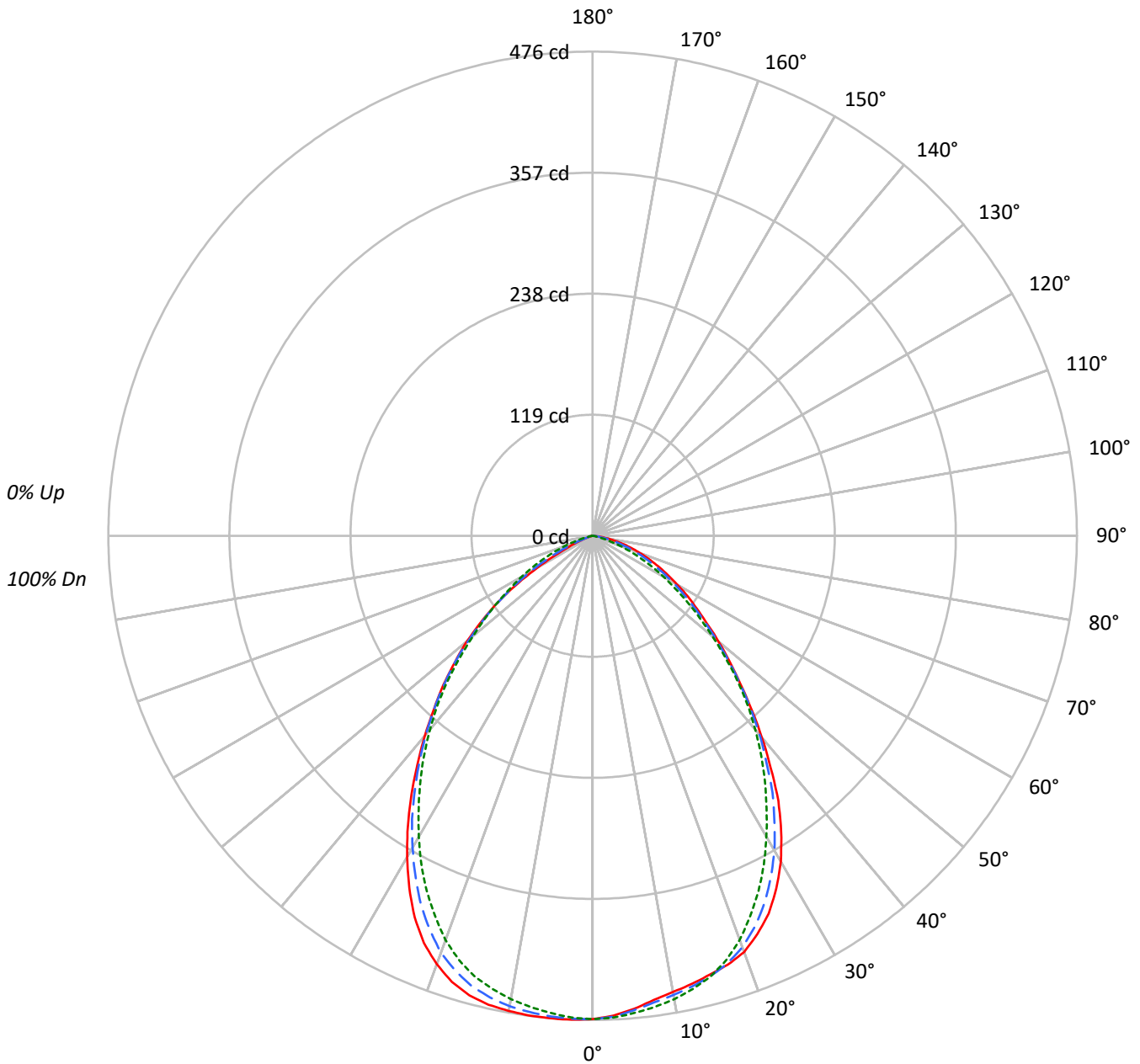
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 874.0 lumens
Efficiency: N/A
Efficacy: 89.2 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	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°	20460	20460	20460
5°	20179	20357	20581
10°	19910	20220	20741
15°	19903	19987	20852
20°	19950	19372	20536
25°	19459	18319	19654
30°	18395	16983	18122
35°	16725	15516	16320
40°	14540	13967	14411
45°	12464	12245	12635
50°	10811	10262	10778
55°	9383	8535	8482
60°	8258	6906	5365
65°	7244	5247	2578
70°	6231	3474	944
75°	5074	1464	266
80°	3422	347	124
85°	1383	99	99



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	5.1
10°-20°	127.5	14.6
20°-30°	182.7	20.9
30°-40°	190.4	21.8
40°-50°	157.7	18.0
50°-60°	104.6	12.0
60°-70°	50.6	5.8
70°-80°	14.3	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°	354.9	40.6
0°-40°	545.3	62.4
0°-60°	807.6	92.4
0°-90°	874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	475	475	475	475	475	
5°	467	468	471	474	476	44
15°	446	448	448	458	468	126
25°	410	399	386	400	414	187
35°	318	308	295	304	310	197
45°	205	204	201	206	208	159
55°	125	121	114	112	113	113
65°	71	64	52	35	25	71
75°	30	23	9	2	2	33
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°	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2
2.5°	472.2	472.4	472.7	472.4	472.6	472.7	472.7	472.9	472.9	473.0	473.2
5°	466.9	467.4	467.4	467.4	467.4	467.5	467.7	467.7	467.5	467.5	468.2
7.5°	460.2	460.6	460.5	460.6	460.8	461.3	461.1	461.4	461.7	462.2	462.8
10°	455.4	455.6	455.4	455.9	456.2	456.5	456.5	456.9	457.2	457.6	458.4
12.5°	451.2	451.4	451.5	451.8	452.1	452.0	452.3	452.6	452.8	453.1	453.6
15°	446.5	447.3	447.1	447.3	447.4	447.6	447.8	447.9	447.8	447.8	448.1
17.5°	442.1	442.3	442.4	442.4	442.4	442.4	442.1	442.1	441.6	441.2	440.8
20°	435.4	435.2	434.9	434.9	434.3	434.4	433.8	433.5	432.7	431.6	430.5
22.5°	423.6	424.4	424.0	422.9	422.3	422.3	421.7	420.3	419.0	417.8	416.4
25°	409.6	409.3	408.8	408.2	407.2	406.6	405.7	404.7	402.7	400.5	399.2
27.5°	390.9	391.4	390.3	389.4	388.9	387.9	387.0	385.7	383.2	381.3	379.1
30°	370.0	369.7	369.6	368.3	367.1	367.4	365.5	364.1	362.2	359.1	357.3
32.5°	344.9	345.4	344.5	344.3	341.9	341.6	341.6	339.4	337.9	334.9	332.5
35°	318.2	317.9	317.6	316.5	316.3	315.4	314.6	313.1	311.0	310.1	308.2
37.5°	287.5	287.6	287.8	287.8	287.1	286.5	285.9	285.9	283.1	282.6	280.4
40°	258.7	259.2	259.0	257.9	258.1	258.3	258.1	257.9	256.2	255.6	255.3
42.5°	230.8	231.6	230.8	230.6	230.8	230.8	230.5	230.9	230.2	230.8	229.4
45°	204.7	205.4	204.9	204.7	204.4	205.2	204.3	205.0	204.6	203.8	204.1
47.5°	182.3	181.6	182.3	182.0	181.5	180.9	181.8	181.3	180.2	180.1	180.4
50°	161.4	161.1	161.4	161.2	160.5	160.5	160.3	160.0	159.7	158.7	158.1
52.5°	141.5	142.6	141.8	142.6	141.5	141.0	141.1	140.7	140.0	139.7	138.5
55°	125.0	125.1	125.1	125.1	124.5	124.2	123.9	123.6	123.6	122.1	120.9
57.5°	110.7	110.4	110.2	109.7	109.4	109.1	108.8	107.9	106.9	105.7	104.7
60°	95.9	96.2	96.2	95.6	95.1	94.7	94.5	93.9	92.8	91.5	90.1
62.5°	83.2	83.5	82.7	82.7	81.8	81.6	81.6	80.7	79.4	78.0	76.5
65°	71.1	71.0	71.3	70.2	70.3	69.4	69.1	68.6	67.4	65.6	64.2
67.5°	59.7	60.0	59.5	59.2	58.6	58.2	57.9	56.5	55.9	54.3	52.8
70°	49.5	49.1	48.8	48.8	48.2	47.7	47.6	46.0	45.2	44.0	42.2
72.5°	39.9	39.6	39.2	38.8	38.3	38.2	37.2	36.3	35.3	33.8	32.5
75°	30.5	30.3	30.0	29.7	28.9	28.6	28.4	27.3	25.6	24.3	23.2
77.5°	22.0	22.1	21.5	20.9	20.4	19.9	19.6	18.7	17.6	16.2	15.1
80°	13.8	14.0	13.8	13.3	12.7	12.6	12.1	11.5	10.5	9.6	8.8
82.5°	7.4	7.4	7.2	7.1	6.6	6.6	6.3	5.8	5.3	4.9	4.2
85°	2.8	2.8	2.7	2.5	2.4	2.4	2.2	2.0	1.7	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°	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2
2.5°	473.2	473.3	473.5	473.7	473.7	473.7	473.8	474.0	474.0	474.1	474.3
5°	468.5	468.6	469.1	469.3	469.6	469.4	469.9	470.4	470.7	471.0	471.5
7.5°	463.1	463.6	464.2	464.7	464.9	465.0	465.5	466.1	466.6	467.2	467.7
10°	458.7	459.2	459.8	460.5	460.5	460.8	461.1	461.6	462.0	462.5	463.1
12.5°	453.9	454.5	454.7	455.0	455.0	455.1	455.4	455.6	456.1	456.2	457.2
15°	448.1	448.1	448.1	448.1	448.1	447.9	447.6	447.9	447.9	448.4	448.9
17.5°	440.1	440.1	439.1	438.6	438.8	438.0	437.9	437.2	437.2	437.2	437.7
20°	429.5	428.1	427.0	425.6	425.0	424.7	424.4	422.9	422.8	422.8	422.8
22.5°	414.6	413.1	411.5	410.4	408.7	408.0	407.4	406.5	405.4	404.7	406.1
25°	396.4	394.5	392.6	390.5	390.0	389.2	387.6	386.7	386.2	385.6	385.9
27.5°	377.1	374.4	372.4	370.2	369.4	368.5	367.1	365.6	364.1	364.4	364.4
30°	355.0	351.8	349.6	347.0	346.8	345.9	344.6	342.9	341.6	341.6	342.4
32.5°	330.9	328.8	326.7	323.7	323.3	322.6	321.7	320.1	319.2	318.2	318.9
35°	306.6	303.2	301.7	299.9	300.0	298.3	296.9	295.9	296.1	295.2	295.6
37.5°	280.4	278.4	276.3	275.5	274.7	273.8	273.2	272.5	272.2	272.2	271.9
40°	253.9	252.8	251.8	251.5	250.1	250.4	250.3	249.8	248.8	248.5	249.5
42.5°	228.9	227.8	227.3	226.5	226.4	225.9	225.9	225.4	225.3	225.4	225.3
45°	203.2	203.0	201.9	201.9	202.5	202.1	200.8	201.6	201.6	201.1	202.1
47.5°	179.4	179.6	179.0	177.7	177.7	176.9	176.0	176.8	177.2	176.5	176.9
50°	157.9	157.0	155.7	154.8	155.3	155.0	154.2	153.5	153.1	153.2	153.9
52.5°	137.5	137.1	135.6	134.5	134.2	134.4	133.4	132.5	132.7	132.5	132.2
55°	119.2	119.2	117.3	116.8	115.5	115.5	114.3	114.1	113.7	113.7	112.9
57.5°	103.3	101.9	100.8	99.7	99.2	98.6	98.1	97.0	96.6	95.6	95.5
60°	88.7	87.0	86.2	84.9	84.0	83.4	82.6	81.6	81.0	80.2	79.3
62.5°	75.7	73.8	72.2	71.0	70.2	70.0	68.8	67.7	66.4	65.5	63.9
65°	62.6	61.5	59.8	58.1	57.8	57.0	55.7	54.5	52.9	51.5	50.6
67.5°	51.2	49.8	48.2	47.3	46.2	45.5	44.1	42.2	40.5	39.1	37.4
70°	41.0	38.9	37.5	36.0	35.6	34.2	33.0	31.1	29.5	27.6	25.1
72.5°	30.8	28.7	27.6	26.1	25.1	24.3	22.6	20.9	18.4	17.0	14.8
75°	21.7	19.9	18.4	16.8	16.2	15.1	13.7	11.8	10.2	8.8	7.2
77.5°	13.5	12.4	11.0	9.7	9.1	8.5	7.4	6.0	4.9	3.8	2.8
80°	7.7	6.8	5.8	4.9	4.6	4.2	3.3	2.5	2.0	1.4	0.9
82.5°	3.6	3.0	2.5	2.0	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°	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2
2.5°	474.3	474.4	474.6	474.6	474.6	474.8	474.8	475.1	475.2	475.4	475.4
5°	471.8	472.2	472.6	472.7	472.9	473.3	473.5	474.0	474.3	474.6	474.9
7.5°	468.3	468.8	469.4	469.7	470.0	470.7	471.1	471.9	472.4	473.0	473.7
10°	463.9	464.6	465.5	465.8	466.1	466.9	467.8	468.8	469.6	470.5	471.3
12.5°	457.5	458.4	459.5	459.8	460.3	461.4	462.5	463.9	465.0	466.3	467.5
15°	449.5	450.7	451.5	451.8	452.5	454.0	455.1	456.7	458.4	460.3	461.7
17.5°	438.3	439.0	440.4	441.0	441.8	443.4	445.1	447.0	448.5	450.6	452.8
20°	423.7	424.7	426.4	427.0	428.0	429.4	431.9	433.5	436.0	438.5	440.1
22.5°	405.5	407.2	409.0	409.8	410.4	412.1	413.8	416.5	418.6	422.0	424.0
25°	386.7	387.2	388.6	390.0	390.3	392.5	394.5	397.7	399.7	401.9	404.7
27.5°	365.0	365.6	367.8	368.2	368.3	370.7	373.0	375.5	377.3	379.8	381.2
30°	342.4	343.5	344.5	345.1	346.2	347.3	349.5	352.6	353.9	356.1	358.0
32.5°	319.3	319.3	321.5	321.7	322.3	324.8	326.1	328.0	330.2	331.9	331.7
35°	296.4	297.0	297.8	298.9	299.4	301.0	301.4	302.8	304.3	305.5	307.1
37.5°	272.7	272.7	274.4	275.2	275.7	276.5	277.3	278.7	279.5	279.9	280.9
40°	250.1	250.7	251.0	251.4	251.4	252.5	253.1	254.2	254.6	255.9	255.3
42.5°	227.2	226.9	227.0	227.8	228.0	228.6	229.1	229.7	230.3	230.0	231.1
45°	202.8	203.0	203.3	203.3	203.8	204.6	205.4	205.7	206.1	206.9	207.1
47.5°	177.4	178.2	177.7	179.0	179.3	179.4	181.3	181.5	183.1	183.4	183.4
50°	153.7	153.7	154.6	155.1	155.4	155.9	156.5	157.2	157.6	158.7	159.0
52.5°	132.3	132.7	132.7	132.2	132.7	132.7	134.2	134.4	134.2	134.5	135.0
55°	113.2	113.4	112.4	113.0	112.9	112.4	112.7	111.8	111.6	112.1	111.8
57.5°	94.8	94.2	94.0	93.3	93.3	92.5	91.7	91.7	91.1	90.0	89.8
60°	78.3	77.4	76.8	76.3	75.0	74.3	73.2	72.2	71.0	69.5	68.8
62.5°	62.8	61.7	60.4	59.8	58.9	57.0	55.6	54.2	52.1	50.9	49.6
65°	49.0	47.3	45.2	44.3	43.3	41.6	39.7	37.4	35.3	33.6	31.4
67.5°	35.5	33.6	31.6	30.1	29.2	27.2	25.0	22.9	20.6	18.7	17.6
70°	23.2	20.9	19.0	17.9	17.0	14.9	12.9	11.1	10.0	9.6	9.4
72.5°	13.2	10.8	9.4	8.3	7.5	6.1	5.0	4.4	4.1	3.9	3.6
75°	5.7	4.2	3.3	2.7	2.4	1.9	1.7	1.7	1.7	1.6	1.6
77.5°	2.0	1.4	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2
2.5°	475.5	475.9	475.9	476.0	476.2	476.2	476.2	476.2
5°	475.2	475.5	475.7	475.9	476.0	476.2	476.2	476.2
7.5°	474.0	474.6	474.8	475.1	475.4	475.5	475.5	475.7
10°	472.1	472.7	473.2	473.5	473.8	474.1	474.4	474.4
12.5°	468.6	469.6	470.2	470.5	471.3	471.6	471.9	472.2
15°	463.0	464.2	465.0	465.7	466.3	467.2	467.4	467.8
17.5°	454.5	456.2	456.5	457.5	458.3	459.8	459.7	459.8
20°	442.3	444.1	444.8	445.7	447.0	448.1	449.0	448.2
22.5°	425.9	428.1	429.1	430.0	430.8	431.7	433.0	433.2
25°	406.6	408.5	409.3	409.9	411.5	412.3	413.5	413.7
27.5°	384.5	385.6	386.7	387.0	388.7	389.2	390.3	390.3
30°	359.4	360.6	361.9	362.3	362.8	363.3	364.1	364.5
32.5°	333.6	334.9	335.3	336.1	336.3	337.1	336.8	338.0
35°	307.9	308.2	308.7	308.5	309.6	309.4	310.7	310.5
37.5°	282.0	281.7	282.4	283.2	282.9	282.6	283.1	282.3
40°	256.1	256.2	256.4	257.2	256.4	256.8	256.5	256.4
42.5°	231.9	231.9	230.9	231.9	231.3	230.9	231.6	230.6
45°	207.4	207.2	207.4	207.5	207.5	207.5	206.9	207.5
47.5°	184.2	184.3	183.7	184.8	184.5	183.8	183.8	183.4
50°	159.5	160.5	161.5	160.6	161.4	160.9	160.5	160.9
52.5°	136.1	136.7	136.0	136.1	137.8	137.8	136.9	136.7
55°	111.2	111.2	111.5	111.6	111.8	113.8	112.7	113.0
57.5°	88.9	88.9	88.4	89.3	88.7	87.9	88.7	86.7
60°	67.5	67.4	66.9	66.3	64.7	64.2	62.5	62.3
62.5°	48.0	46.3	45.7	44.4	42.7	42.2	40.5	40.3
65°	29.8	27.8	27.2	26.5	25.7	25.6	25.0	25.3
67.5°	17.0	16.6	16.5	16.0	15.7	15.4	15.4	15.2
70°	8.9	8.3	8.2	8.0	8.0	7.4	7.2	7.5
72.5°	3.5	3.1	3.1	3.1	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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)