

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: P563905

Luminaire Tested: **LX6C15D010 EX6C159030 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563905
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: LX6C15D010 EX6C159030 6LBLWWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

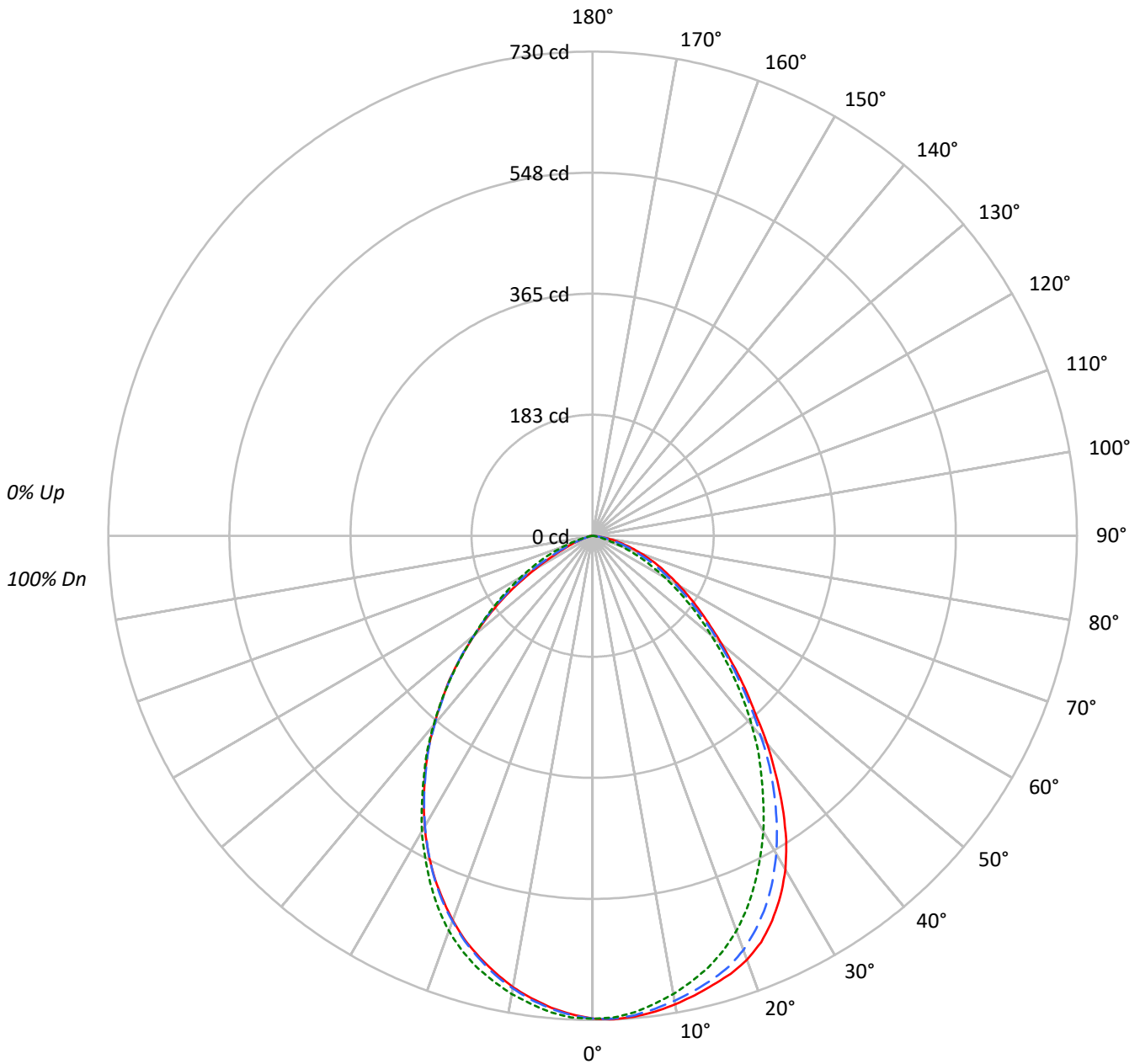
Lumens per Lamp: N/A
Luminaire Lumens: 1324.4 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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				20				
RC	80				70				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			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78			78
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68			68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54			54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48			48
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43			43
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39			39
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	39915	39915	39915
5°	40051	39693	39302
10°	39929	39050	38476
15°	39785	38241	37350
20°	39693	36981	35995
25°	38724	34998	34230
30°	36790	32594	32056
35°	33395	29680	29480
40°	29298	26707	26571
45°	25127	23336	23522
50°	21628	19888	19786
55°	18895	16802	15770
60°	16611	13760	10767
65°	14541	10663	6473
70°	12390	7181	3799
75°	9997	3728	2076
80°	6977	1484	1168
85°	2768	440	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	5.2
10°-20°	190.5	14.4
20°-30°	271.1	20.5
30°-40°	285.3	21.5
40°-50°	237.8	18.0
50°-60°	160.7	12.1
60°-70°	81.5	6.2
70°-80°	26.3	2.0
80°-90°	3.0	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°	529.8	40.0
0°-40°	815.2	61.6
0°-60°	1213.6	91.6
0°-90°	1324.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1324.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	728	728	728	728	728	
5°	728	726	721	716	714	69
15°	701	693	674	660	658	198
25°	640	617	579	567	566	293
35°	499	478	444	439	440	311
45°	324	316	301	302	303	251
55°	198	188	176	170	165	178
65°	112	101	82	60	50	112
75°	47	37	18	10	10	51
85°	4	2	1	1	1	8
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°	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1
2.5°	729.8	729.8	729.8	729.8	729.8	729.8	729.5	729.5	729.1	729.1	728.8
5°	727.8	728.1	728.1	727.8	727.8	727.4	727.4	727.1	726.4	725.9	725.7
7.5°	723.7	723.7	723.4	723.2	722.9	722.2	722.0	721.3	720.8	720.3	719.3
10°	717.3	717.3	717.1	716.6	716.3	715.9	715.9	714.9	713.9	712.7	711.9
12.5°	709.7	710.0	709.5	709.3	708.5	708.3	707.8	706.5	705.8	704.4	703.1
15°	701.0	701.5	701.5	700.4	699.7	699.4	698.7	698.0	696.3	694.8	693.3
17.5°	692.4	692.8	692.4	691.6	690.9	690.0	689.5	687.9	685.8	683.8	681.6
20°	680.4	681.1	680.1	678.9	677.5	677.2	676.4	674.0	670.8	667.9	664.7
22.5°	663.5	663.0	662.3	661.8	659.3	657.8	656.9	653.7	650.3	646.3	642.5
25°	640.2	641.2	639.7	637.6	636.4	634.8	632.4	628.9	625.8	621.6	617.0
27.5°	612.9	612.9	610.8	610.1	607.5	605.4	604.2	600.9	596.7	592.5	587.3
30°	581.2	579.8	579.8	576.3	574.2	573.4	572.2	566.6	562.9	558.5	553.4
32.5°	543.1	542.9	541.9	539.6	536.7	534.2	534.2	530.4	525.5	520.1	516.9
35°	499.0	499.2	498.7	496.3	496.3	493.4	492.9	489.5	485.6	481.4	477.5
37.5°	453.5	454.5	453.5	452.2	451.5	451.3	449.1	446.7	443.7	441.3	438.3
40°	409.4	408.0	408.5	406.1	406.3	405.8	404.8	401.6	399.9	397.4	394.3
42.5°	362.0	363.4	364.0	362.4	362.0	361.0	362.0	360.7	358.8	357.5	354.6
45°	324.1	322.6	323.3	322.9	323.1	321.1	320.3	319.9	319.1	317.0	315.7
47.5°	286.3	286.5	286.3	285.3	284.9	284.9	283.9	282.5	282.5	281.0	279.9
50°	253.6	253.6	254.0	252.8	252.4	251.4	251.6	250.1	249.1	247.9	247.2
52.5°	223.5	223.7	222.7	223.0	222.5	222.5	221.4	220.5	219.5	217.4	216.9
55°	197.7	197.9	196.7	197.2	195.8	195.1	194.6	193.1	193.1	190.9	188.2
57.5°	173.7	173.5	173.2	172.5	171.6	170.8	170.1	168.3	167.6	166.2	164.0
60°	151.5	151.3	150.7	150.5	149.7	148.1	148.1	146.9	144.4	142.9	140.7
62.5°	130.4	130.4	130.2	129.5	128.8	128.0	127.6	126.5	124.1	122.4	120.4
65°	112.1	111.9	111.1	109.9	109.3	109.3	107.7	106.9	105.0	103.2	101.1
67.5°	94.5	93.5	93.0	93.3	91.8	91.8	90.3	89.1	87.4	84.4	82.7
70°	77.3	76.8	76.4	75.9	75.6	74.7	74.0	72.4	70.7	68.6	65.8
72.5°	61.9	61.9	61.2	60.7	59.9	59.0	58.5	57.3	55.3	52.9	50.9
75°	47.2	47.2	47.2	46.3	45.8	45.3	43.8	43.0	40.9	39.4	36.9
77.5°	34.8	34.3	33.6	33.3	32.8	32.3	31.5	30.3	28.4	26.7	25.2
80°	22.1	22.8	22.1	22.1	20.9	20.3	20.0	18.6	17.9	16.4	15.2
82.5°	12.2	12.5	12.0	11.7	11.0	10.8	10.8	9.8	9.3	8.3	7.6
85°	4.4	4.7	4.4	4.4	3.9	4.2	3.9	3.7	3.2	2.6	2.4
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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1
2.5°	728.8	728.3	728.3	728.1	727.8	727.8	727.8	727.6	727.1	727.1	726.9
5°	725.2	724.7	723.9	723.4	723.2	722.9	722.7	722.5	721.5	721.3	720.5
7.5°	718.6	718.0	716.8	716.3	715.6	715.4	714.4	713.9	713.0	711.9	711.4
10°	710.7	709.5	708.5	707.3	706.9	706.0	704.8	703.4	702.7	701.5	700.4
12.5°	701.9	700.4	698.5	697.0	696.6	695.3	693.3	692.1	690.4	688.4	686.7
15°	690.9	689.2	687.5	684.8	684.1	682.5	680.6	678.2	675.7	673.8	671.9
17.5°	678.9	676.2	673.5	670.5	668.4	667.7	664.4	661.1	658.8	655.4	653.2
20°	662.0	658.3	654.0	651.0	649.1	646.8	643.2	639.5	636.8	633.9	630.7
22.5°	638.8	635.3	630.2	625.8	624.4	621.1	617.9	614.6	611.1	608.0	604.0
25°	611.3	607.7	602.6	598.1	595.7	594.2	588.1	584.7	581.2	578.6	575.8
27.5°	583.3	576.7	573.2	566.4	564.1	563.6	558.0	554.4	550.7	546.9	543.6
30°	548.5	543.3	538.2	533.3	530.4	528.6	524.5	519.8	517.3	514.9	511.5
32.5°	512.5	507.8	501.5	496.8	494.7	492.2	488.5	485.3	481.6	479.0	478.2
35°	474.0	468.9	463.5	460.1	459.7	456.7	453.1	450.3	447.7	443.5	442.7
37.5°	432.9	430.0	426.3	421.4	419.3	419.3	415.5	413.6	410.1	409.9	408.0
40°	392.5	391.3	385.7	384.2	383.8	380.3	379.3	376.0	373.5	373.2	370.3
42.5°	352.7	349.5	348.5	346.1	343.8	343.4	341.2	339.7	338.7	337.2	335.8
45°	313.0	312.3	309.8	308.1	307.4	306.4	305.7	302.7	302.2	301.0	300.3
47.5°	278.7	276.8	274.6	272.6	272.4	270.9	269.3	269.3	266.5	266.3	265.8
50°	244.7	243.3	242.1	239.3	239.9	237.9	237.6	235.5	234.3	233.2	234.5
52.5°	214.8	212.0	211.5	209.2	208.5	208.7	206.1	205.4	204.9	203.8	203.3
55°	186.5	185.0	183.1	181.6	180.3	179.1	178.2	178.2	175.5	175.8	174.4
57.5°	161.5	160.3	157.9	155.6	155.1	153.7	152.5	151.3	151.1	149.3	148.1
60°	139.3	137.0	133.9	132.8	131.4	130.2	129.0	127.6	126.7	125.5	123.4
62.5°	118.5	114.7	113.5	111.6	109.9	109.1	107.2	105.5	104.3	102.5	100.8
65°	98.7	95.9	93.8	91.5	91.2	89.3	87.6	86.2	83.7	82.2	79.0
67.5°	80.6	78.1	75.6	73.4	71.7	71.2	68.6	66.8	65.1	62.2	59.5
70°	63.9	61.4	59.5	56.8	56.0	54.1	52.1	50.5	47.5	44.8	42.6
72.5°	48.7	46.0	43.8	41.8	40.6	39.0	36.9	35.0	32.0	29.4	27.4
75°	34.8	32.8	30.6	28.7	27.7	26.7	24.5	22.3	20.3	17.6	15.9
77.5°	23.5	21.6	19.5	17.9	16.7	15.9	14.4	12.7	11.0	9.6	8.3
80°	13.7	12.5	11.0	9.6	9.3	8.5	7.3	6.4	5.4	4.7	3.7
82.5°	6.6	5.9	4.9	4.2	3.7	3.5	2.9	2.4	1.9	1.7	1.7
85°	1.9	1.7	1.4	1.2	1.0	1.0	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1
2.5°	726.2	725.9	725.7	725.4	725.0	725.0	724.1	723.7	723.7	723.2	722.9
5°	719.8	719.1	718.8	718.3	717.8	717.5	716.6	716.3	715.9	715.4	715.4
7.5°	710.7	709.7	708.8	708.3	708.1	707.3	706.9	706.5	705.8	705.3	704.4
10°	698.7	698.0	696.8	696.3	695.8	695.3	694.0	693.3	693.1	692.6	692.1
12.5°	684.8	683.8	682.5	681.6	681.1	680.4	679.2	678.4	678.4	677.5	677.5
15°	669.8	668.4	666.2	665.2	664.9	663.5	662.5	661.5	660.3	659.9	659.9
17.5°	650.8	648.4	646.3	646.3	645.4	643.9	642.5	641.8	640.9	640.0	639.5
20°	628.2	626.5	624.4	624.4	622.1	621.6	620.2	619.9	618.3	618.5	617.7
22.5°	601.1	600.1	598.9	597.9	596.7	595.2	594.5	594.8	593.9	593.7	593.5
25°	573.7	571.0	569.5	569.0	568.5	567.3	566.8	566.6	566.6	565.9	566.1
27.5°	542.1	540.1	538.2	538.9	537.9	537.2	536.7	536.0	536.5	536.3	536.5
30°	509.8	507.4	506.2	506.6	506.4	504.4	505.3	505.1	505.3	505.3	505.9
32.5°	475.7	474.0	473.8	474.0	471.9	472.1	471.2	472.6	472.8	474.3	473.1
35°	441.3	440.2	438.6	438.3	438.6	438.3	438.3	439.3	439.0	440.5	440.0
37.5°	405.8	405.3	403.6	404.0	403.1	404.8	405.3	404.8	406.5	406.1	405.8
40°	371.1	370.3	369.3	371.3	370.1	369.0	370.8	369.3	369.8	371.3	371.3
42.5°	335.8	334.6	334.6	334.6	334.4	334.4	335.1	335.8	335.3	335.6	337.5
45°	300.3	300.1	299.4	299.8	299.6	300.8	300.8	301.3	302.2	303.2	302.7
47.5°	266.0	265.6	266.3	265.8	266.0	265.3	265.8	267.2	268.4	266.8	268.4
50°	234.0	233.0	232.7	233.4	233.2	233.0	233.4	233.4	233.0	233.0	234.7
52.5°	203.3	202.4	201.7	202.9	202.1	202.4	201.4	201.4	201.9	201.4	200.7
55°	174.8	174.0	173.0	173.5	172.3	172.0	171.1	171.1	170.4	169.9	168.3
57.5°	147.3	146.9	144.6	144.4	144.6	142.9	141.2	140.5	138.5	138.0	137.8
60°	123.1	120.4	119.2	117.7	116.8	116.0	114.0	112.8	109.9	108.1	107.9
62.5°	97.9	96.6	95.2	93.0	92.5	90.0	88.1	84.9	83.4	81.3	79.0
65°	77.6	74.4	72.2	71.0	69.0	66.8	64.6	61.2	59.5	56.8	54.6
67.5°	56.8	54.1	51.2	50.1	48.4	45.8	43.5	40.6	39.2	36.7	36.0
70°	39.0	36.4	34.3	32.8	31.5	28.9	26.7	25.7	24.2	23.7	23.7
72.5°	24.9	22.8	20.3	19.5	18.6	17.1	15.7	15.2	15.7	15.5	15.5
75°	13.9	12.7	11.0	10.3	10.3	9.8	9.6	9.6	9.6	9.6	9.6
77.5°	7.1	6.4	5.9	5.6	5.6	5.6	5.9	5.9	5.9	6.1	5.9
80°	3.5	3.2	3.2	3.2	3.5	3.5	3.5	3.5	3.5	3.7	3.5
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	1.9	1.9	1.9
85°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	728.1	728.1	728.1	728.1	728.1	728.1	728.1	728.1
2.5°	722.7	722.2	722.2	722.0	722.0	722.0	722.0	722.2
5°	714.9	714.7	714.7	714.2	714.2	714.2	714.2	714.2
7.5°	704.4	703.9	704.1	703.6	703.6	703.9	703.6	703.4
10°	691.4	691.2	691.4	691.4	690.9	690.7	690.9	691.2
12.5°	676.7	676.4	675.9	676.2	676.2	675.9	675.7	675.2
15°	659.6	659.3	659.0	658.8	658.6	658.8	658.6	658.1
17.5°	639.5	639.5	639.3	639.0	638.8	638.3	638.5	639.3
20°	617.9	617.7	617.2	617.4	616.5	616.0	616.2	617.0
22.5°	593.2	592.5	593.0	592.3	592.3	592.5	592.3	591.8
25°	566.4	565.4	565.9	566.1	566.1	565.9	565.6	565.9
27.5°	536.5	537.2	537.2	536.7	537.5	536.5	537.0	537.2
30°	505.9	505.1	504.9	505.9	507.4	506.2	506.2	506.4
32.5°	474.3	473.3	473.3	473.8	473.6	473.6	474.5	473.3
35°	440.5	441.1	439.0	440.2	440.8	440.2	440.5	440.5
37.5°	406.5	406.1	406.1	406.1	406.8	406.8	407.3	407.0
40°	373.0	372.0	371.8	372.3	371.3	372.0	372.0	371.3
42.5°	336.8	337.0	338.2	337.0	337.2	337.0	336.5	336.3
45°	303.2	303.9	303.4	303.2	303.4	302.5	302.7	303.4
47.5°	267.7	269.3	267.7	268.7	268.4	268.0	267.5	266.5
50°	234.5	235.0	234.7	234.5	234.3	234.0	232.7	232.0
52.5°	200.5	200.5	200.5	200.5	197.9	199.2	198.8	197.2
55°	167.1	167.9	166.9	166.9	165.2	165.2	164.7	165.0
57.5°	135.1	134.4	133.7	133.7	131.9	131.2	130.4	129.5
60°	105.3	104.5	103.6	102.3	100.6	100.6	100.1	98.2
62.5°	77.1	75.9	75.2	74.2	72.7	71.7	71.0	71.5
65°	52.9	51.7	50.7	50.7	50.7	50.1	49.9	49.9
67.5°	34.8	35.5	35.0	35.5	35.5	35.0	34.8	35.2
70°	24.0	24.0	23.7	23.7	23.7	23.7	23.5	23.7
72.5°	15.5	15.5	15.5	15.7	15.5	15.5	15.7	15.7
75°	9.8	9.8	9.8	10.1	9.8	9.8	10.1	9.8
77.5°	5.9	6.1	6.1	6.1	6.1	5.9	6.1	6.1
80°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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)