

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: P843983

Luminaire Tested: **LD6C10DE010B40 EU6C10B40 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B40 EU6C10B40 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

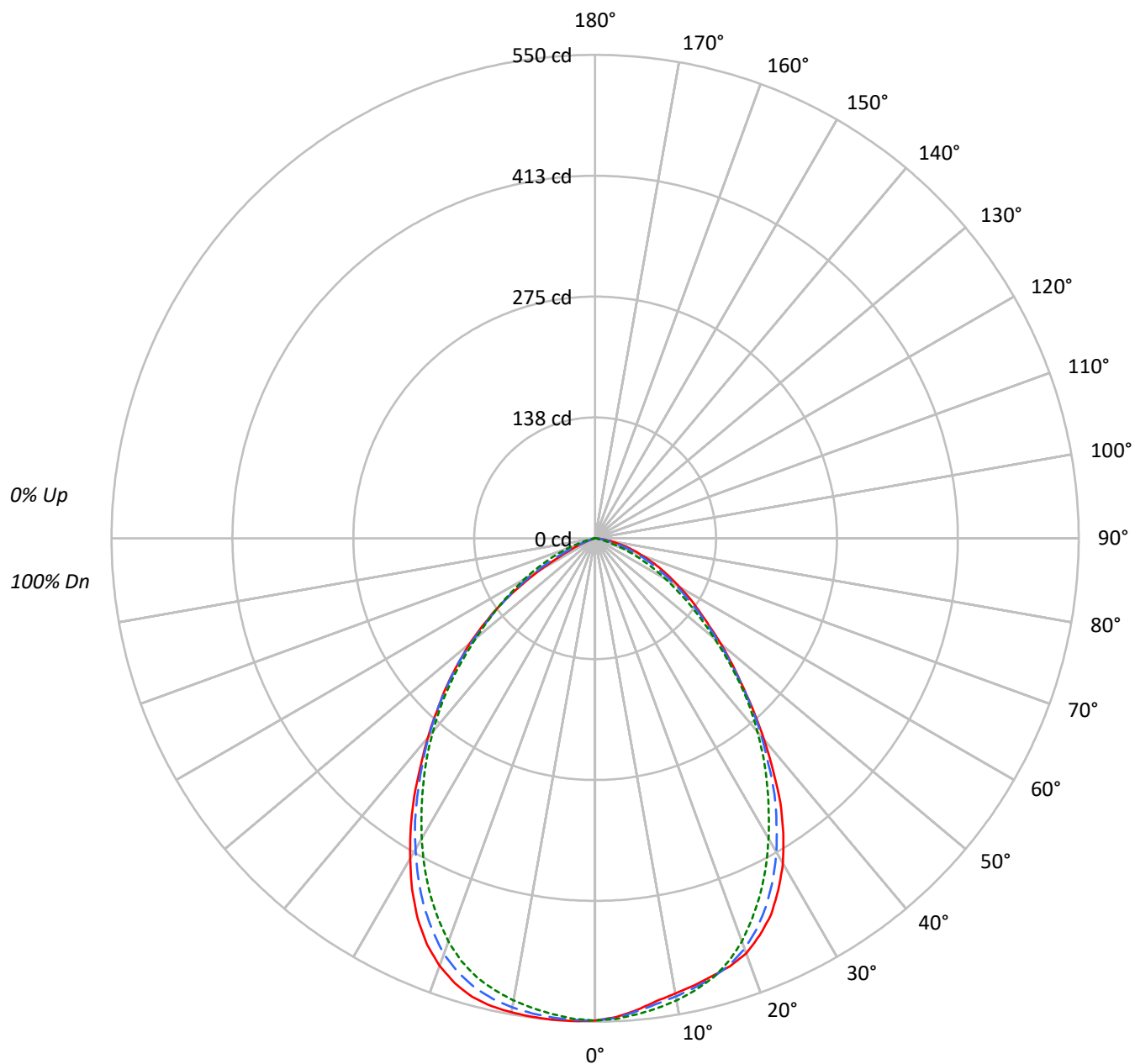
Lumens per Lamp: N/A
Luminaire Lumens: 1009.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
Input Voltage (V):
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	30074	30074	30074
5°	29661	29920	30255
10°	29264	29720	30488
15°	29257	29376	30653
20°	29321	28475	30190
25°	28604	26929	28889
30°	27042	24966	26637
35°	24588	22807	23992
40°	21376	20531	21175
45°	18327	18002	18576
50°	15897	15087	15846
55°	13792	12549	12473
60°	12137	10153	7883
65°	10650	7705	3788
70°	9152	5113	1394
75°	7434	2160	381
80°	5051	505	158
85°	2076	126	126



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	5.1
10°-20°	147.2	14.6
20°-30°	210.9	20.9
30°-40°	219.8	21.8
40°-50°	182.1	18.0
50°-60°	120.7	12.0
60°-70°	58.5	5.8
70°-80°	16.5	1.6
80°-90°	1.6	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°	409.8	40.6
0°-40°	629.6	62.4
0°-60°	932.4	92.4
0°-90°	1009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1009.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	549	549	549	549	549	
5°	539	540	544	548	550	51
15°	516	517	518	529	540	146
25°	473	461	445	461	478	216
35°	367	356	341	351	358	228
45°	236	236	232	238	240	184
55°	144	140	131	129	130	130
65°	82	74	59	41	29	82
75°	35	27	10	2	2	38
85°	3	2	0	0	0	5
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°	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6
2.5°	545.2	545.3	545.7	545.3	545.5	545.7	545.7	546.0	546.0	546.1	546.3
5°	539.0	539.6	539.6	539.6	539.6	539.7	539.9	539.9	539.7	539.7	540.5
7.5°	531.2	531.8	531.6	531.8	532.0	532.5	532.3	532.6	533.0	533.6	534.3
10°	525.7	526.0	525.7	526.3	526.7	527.0	527.0	527.4	527.8	528.3	529.2
12.5°	520.9	521.1	521.3	521.6	521.9	521.8	522.2	522.6	522.7	523.1	523.6
15°	515.5	516.3	516.2	516.3	516.5	516.8	516.9	517.1	516.9	516.9	517.3
17.5°	510.4	510.5	510.7	510.7	510.7	510.7	510.4	510.4	509.9	509.3	508.9
20°	502.6	502.4	502.1	502.1	501.3	501.5	500.8	500.4	499.5	498.3	497.0
22.5°	488.9	489.9	489.6	488.3	487.6	487.6	486.8	485.1	483.8	482.3	480.7
25°	472.9	472.6	471.9	471.3	470.1	469.4	468.3	467.3	464.9	462.4	460.9
27.5°	451.3	451.8	450.6	449.5	449.0	447.8	446.7	445.3	442.4	440.3	437.8
30°	427.2	426.9	426.6	425.2	423.8	424.1	421.9	420.3	418.1	414.5	412.5
32.5°	398.2	398.7	397.7	397.5	394.7	394.4	394.4	391.9	390.1	386.6	383.9
35°	367.4	367.0	366.7	365.4	365.2	364.1	363.2	361.4	359.1	357.9	355.8
37.5°	331.9	332.0	332.2	332.2	331.5	330.7	330.1	330.1	326.8	326.3	323.7
40°	298.7	299.2	299.1	297.8	297.9	298.1	297.9	297.8	295.8	295.1	294.7
42.5°	266.4	267.4	266.4	266.2	266.4	266.4	266.1	266.6	265.7	266.4	264.8
45°	236.4	237.0	236.5	236.4	236.0	236.9	235.7	236.7	236.2	235.2	235.6
47.5°	210.5	209.7	210.5	210.0	209.5	208.8	209.8	209.3	208.0	207.9	208.2
50°	186.4	185.9	186.4	186.1	185.2	185.2	185.1	184.7	184.3	183.3	182.5
52.5°	163.3	164.6	163.6	164.6	163.3	162.8	163.0	162.3	161.7	161.3	159.8
55°	144.3	144.5	144.5	144.5	143.7	143.4	143.0	142.7	142.7	141.0	139.6
57.5°	127.8	127.4	127.2	126.7	126.3	126.0	125.6	124.5	123.4	121.9	120.9
60°	110.7	111.1	111.1	110.4	109.8	109.3	109.1	108.4	107.1	105.7	104.1
62.5°	96.0	96.5	95.5	95.5	94.4	94.2	94.2	93.2	91.7	90.1	88.3
65°	82.1	82.0	82.3	81.0	81.2	80.1	79.7	79.2	77.7	75.7	74.1
67.5°	68.9	69.3	68.6	68.3	67.6	67.3	66.8	65.3	64.5	62.7	60.9
70°	57.1	56.7	56.4	56.4	55.6	55.1	54.9	53.1	52.2	50.8	48.8
72.5°	46.0	45.7	45.3	44.7	44.2	44.0	42.9	41.9	40.8	38.9	37.5
75°	35.1	35.0	34.6	34.3	33.3	33.0	32.8	31.5	29.5	28.1	26.9
77.5°	25.4	25.6	24.9	24.1	23.6	23.1	22.6	21.6	20.3	18.7	17.5
80°	16.0	16.2	16.0	15.4	14.7	14.5	14.0	13.2	12.2	11.1	10.2
82.5°	8.6	8.6	8.4	8.1	7.6	7.6	7.3	6.7	6.1	5.6	4.9
85°	3.3	3.3	3.1	2.9	2.7	2.7	2.5	2.3	2.0	1.8	1.5
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°	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6
2.5°	546.3	546.5	546.6	546.8	546.8	546.8	547.0	547.2	547.2	547.3	547.5
5°	540.9	541.0	541.5	541.7	542.1	541.9	542.5	543.0	543.4	543.7	544.3
7.5°	534.6	535.2	535.9	536.4	536.6	536.9	537.4	538.1	538.7	539.4	539.9
10°	529.6	530.1	530.8	531.6	531.6	532.0	532.3	532.8	533.4	533.9	534.6
12.5°	524.0	524.7	524.9	525.2	525.2	525.4	525.7	526.0	526.5	526.7	527.8
15°	517.3	517.3	517.3	517.3	517.3	517.1	516.8	517.1	517.1	517.6	518.1
17.5°	508.0	508.0	506.9	506.4	506.6	505.7	505.4	504.8	504.8	504.8	505.3
20°	495.9	494.2	493.0	491.4	490.6	490.2	489.9	488.3	488.1	488.1	488.1
22.5°	478.7	476.9	475.1	473.8	471.8	471.1	470.3	469.3	468.0	467.3	468.8
25°	457.6	455.4	453.3	450.8	450.2	449.3	447.5	446.4	445.9	445.2	445.5
27.5°	435.3	432.3	429.9	427.4	426.4	425.4	423.8	422.1	420.3	420.6	420.6
30°	409.8	406.1	403.6	400.5	400.3	399.3	397.9	395.9	394.4	394.4	395.3
32.5°	382.0	379.5	377.2	373.8	373.1	372.5	371.3	369.5	368.5	367.4	368.1
35°	354.0	350.0	348.4	346.2	346.4	344.4	342.8	341.6	341.8	340.8	341.3
37.5°	323.7	321.3	319.0	318.0	317.2	316.1	315.4	314.6	314.3	314.3	313.9
40°	293.1	291.8	290.7	290.3	288.7	289.1	288.9	288.3	287.3	286.9	288.0
42.5°	264.3	263.0	262.4	261.6	261.3	260.8	260.8	260.3	260.1	260.3	260.1
45°	234.5	234.4	233.1	233.1	233.8	233.2	231.8	232.7	232.7	232.2	233.2
47.5°	207.2	207.3	206.7	205.2	205.2	204.2	203.2	204.1	204.7	203.7	204.2
50°	182.3	181.3	179.8	178.7	179.3	178.8	178.0	177.3	176.7	176.9	177.6
52.5°	158.8	158.2	156.6	155.4	154.9	155.2	154.1	152.9	153.1	152.9	152.6
55°	137.6	137.6	135.4	134.8	133.4	133.4	132.0	131.8	131.3	131.3	130.3
57.5°	119.3	117.6	116.3	115.1	114.5	113.8	113.3	112.0	111.5	110.4	110.2
60°	102.4	100.4	99.5	98.0	97.0	96.2	95.3	94.2	93.5	92.6	91.5
62.5°	87.4	85.1	83.3	82.0	81.0	80.8	79.4	78.2	76.7	75.6	73.7
65°	72.3	71.1	69.1	67.1	66.7	65.8	64.3	62.9	61.1	59.4	58.4
67.5°	59.1	57.4	55.6	54.6	53.3	52.6	51.0	48.8	46.7	45.2	43.2
70°	47.3	44.9	43.4	41.5	41.1	39.6	38.1	35.9	34.1	31.9	29.0
72.5°	35.5	33.2	31.9	30.0	29.0	28.1	26.1	24.1	21.2	19.6	17.0
75°	25.0	23.1	21.2	19.4	18.7	17.5	15.8	13.6	11.7	10.2	8.4
77.5°	15.5	14.3	12.7	11.2	10.5	9.8	8.6	6.9	5.6	4.3	3.3
80°	8.9	7.8	6.7	5.6	5.3	4.9	3.8	2.9	2.3	1.6	1.1
82.5°	4.1	3.5	2.9	2.3	2.2	1.8	1.3	1.0	0.5	0.3	0.2
85°	1.3	1.0	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°	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6
2.5°	547.5	547.7	547.9	547.9	547.9	548.1	548.1	548.5	548.6	548.8	548.8
5°	544.7	545.2	545.5	545.7	546.0	546.5	546.6	547.2	547.5	547.9	548.3
7.5°	540.7	541.2	541.9	542.2	542.7	543.4	543.9	544.8	545.3	546.1	546.8
10°	535.6	536.3	537.4	537.7	538.1	539.0	540.1	541.2	542.1	543.2	544.0
12.5°	528.2	529.2	530.5	530.8	531.4	532.6	533.9	535.6	536.9	538.3	539.7
15°	518.9	520.4	521.3	521.6	522.4	524.2	525.4	527.2	529.2	531.4	533.0
17.5°	506.1	506.7	508.4	509.1	510.0	511.8	513.8	516.0	517.8	520.1	522.7
20°	489.2	490.2	492.2	493.0	494.0	495.7	498.6	500.4	503.3	506.2	508.0
22.5°	468.1	470.1	472.1	473.1	473.8	475.7	477.7	480.8	483.2	487.1	489.6
25°	446.4	447.0	448.5	450.2	450.6	453.1	455.4	459.1	461.4	464.0	467.3
27.5°	421.4	422.1	424.6	425.1	425.2	427.9	430.7	433.5	435.5	438.4	440.1
30°	395.3	396.6	397.7	398.4	399.7	400.9	403.5	407.1	408.6	411.1	413.2
32.5°	368.7	368.7	371.2	371.3	372.1	375.0	376.4	378.6	381.2	383.2	383.0
35°	342.1	342.9	343.8	345.1	345.6	347.4	348.0	349.7	351.2	352.7	354.5
37.5°	314.9	314.9	316.8	317.7	318.2	319.2	320.0	321.7	322.6	323.1	324.3
40°	288.7	289.5	289.8	290.2	290.2	291.5	292.1	293.4	294.0	295.4	294.7
42.5°	262.3	261.9	262.1	263.0	263.1	263.9	264.4	265.1	265.9	265.6	266.8
45°	234.2	234.4	234.7	234.7	235.2	236.2	237.0	237.4	238.0	238.9	239.0
47.5°	204.8	205.7	205.2	206.7	207.0	207.2	209.3	209.5	211.3	211.7	211.7
50°	177.5	177.5	178.5	179.1	179.5	180.0	180.7	181.4	182.0	183.3	183.6
52.5°	152.8	153.1	153.1	152.6	153.1	153.1	154.9	155.2	154.9	155.4	155.9
55°	130.7	130.8	129.8	130.5	130.3	129.8	130.1	129.0	128.8	129.5	129.0
57.5°	109.5	108.7	108.5	107.7	107.7	106.7	105.9	105.9	105.1	103.9	103.6
60°	90.4	89.4	88.6	88.1	86.6	85.8	84.5	83.3	82.0	80.3	79.4
62.5°	72.4	71.2	69.8	69.1	68.0	65.8	64.2	62.5	60.2	58.7	57.3
65°	56.6	54.6	52.2	51.1	50.0	48.0	45.9	43.2	40.8	38.8	36.3
67.5°	40.9	38.8	36.4	34.8	33.7	31.3	28.8	26.4	23.7	21.6	20.3
70°	26.9	24.1	21.9	20.6	19.6	17.2	14.9	12.9	11.6	11.1	10.9
72.5°	15.2	12.5	10.9	9.6	8.7	7.1	5.8	5.1	4.8	4.5	4.1
75°	6.6	4.9	3.8	3.1	2.7	2.2	2.0	2.0	2.0	1.8	1.8
77.5°	2.3	1.6	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	548.6	548.6	548.6	548.6	548.6	548.6	548.6	548.6
2.5°	549.0	549.3	549.3	549.5	549.8	549.8	549.8	549.8
5°	548.6	549.0	549.1	549.3	549.5	549.8	549.8	549.8
7.5°	547.2	547.9	548.1	548.5	548.8	549.0	549.0	549.1
10°	545.0	545.7	546.3	546.6	547.0	547.3	547.7	547.7
12.5°	541.0	542.1	542.8	543.2	544.0	544.5	544.8	545.2
15°	534.5	535.9	536.9	537.6	538.3	539.4	539.6	540.1
17.5°	524.7	526.7	527.0	528.2	529.0	530.8	530.7	530.8
20°	510.5	512.7	513.5	514.5	516.0	517.3	518.3	517.5
22.5°	491.7	494.2	495.3	496.5	497.3	498.5	499.8	500.0
25°	469.4	471.6	472.6	473.2	475.1	475.9	477.4	477.6
27.5°	443.9	445.2	446.4	446.7	448.8	449.3	450.6	450.6
30°	414.9	416.3	417.8	418.3	418.8	419.4	420.3	420.8
32.5°	385.2	386.6	387.1	388.0	388.3	389.1	388.8	390.3
35°	355.5	355.8	356.3	356.1	357.4	357.3	358.6	358.5
37.5°	325.5	325.1	326.1	326.9	326.6	326.3	326.8	325.9
40°	295.6	295.8	295.9	296.9	295.9	296.6	296.1	295.9
42.5°	267.7	267.7	266.6	267.7	266.9	266.6	267.4	266.2
45°	239.4	239.2	239.4	239.6	239.6	239.6	238.9	239.6
47.5°	212.6	212.8	212.1	213.3	213.0	212.3	212.3	211.7
50°	184.1	185.2	186.5	185.4	186.4	185.8	185.2	185.8
52.5°	157.2	157.9	157.0	157.2	159.2	159.2	158.0	157.9
55°	128.3	128.3	128.7	128.8	129.0	131.4	130.1	130.5
57.5°	102.6	102.6	102.1	103.1	102.4	101.5	102.4	100.1
60°	77.9	77.7	77.2	76.5	74.7	74.1	72.1	71.9
62.5°	55.4	53.5	52.8	51.3	49.3	48.8	46.7	46.5
65°	34.5	32.0	31.3	30.7	29.7	29.5	28.8	29.2
67.5°	19.6	19.2	19.0	18.5	18.1	17.8	17.8	17.6
70°	10.4	9.6	9.4	9.2	9.2	8.6	8.4	8.7
72.5°	4.0	3.6	3.6	3.6	3.5	3.5	3.5	3.5
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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)