

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: P843932

Luminaire Tested: **LD6C10DE010B2750 EU6C10B27 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843932
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: LD6C10DE010B2750 EU6C10B27 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

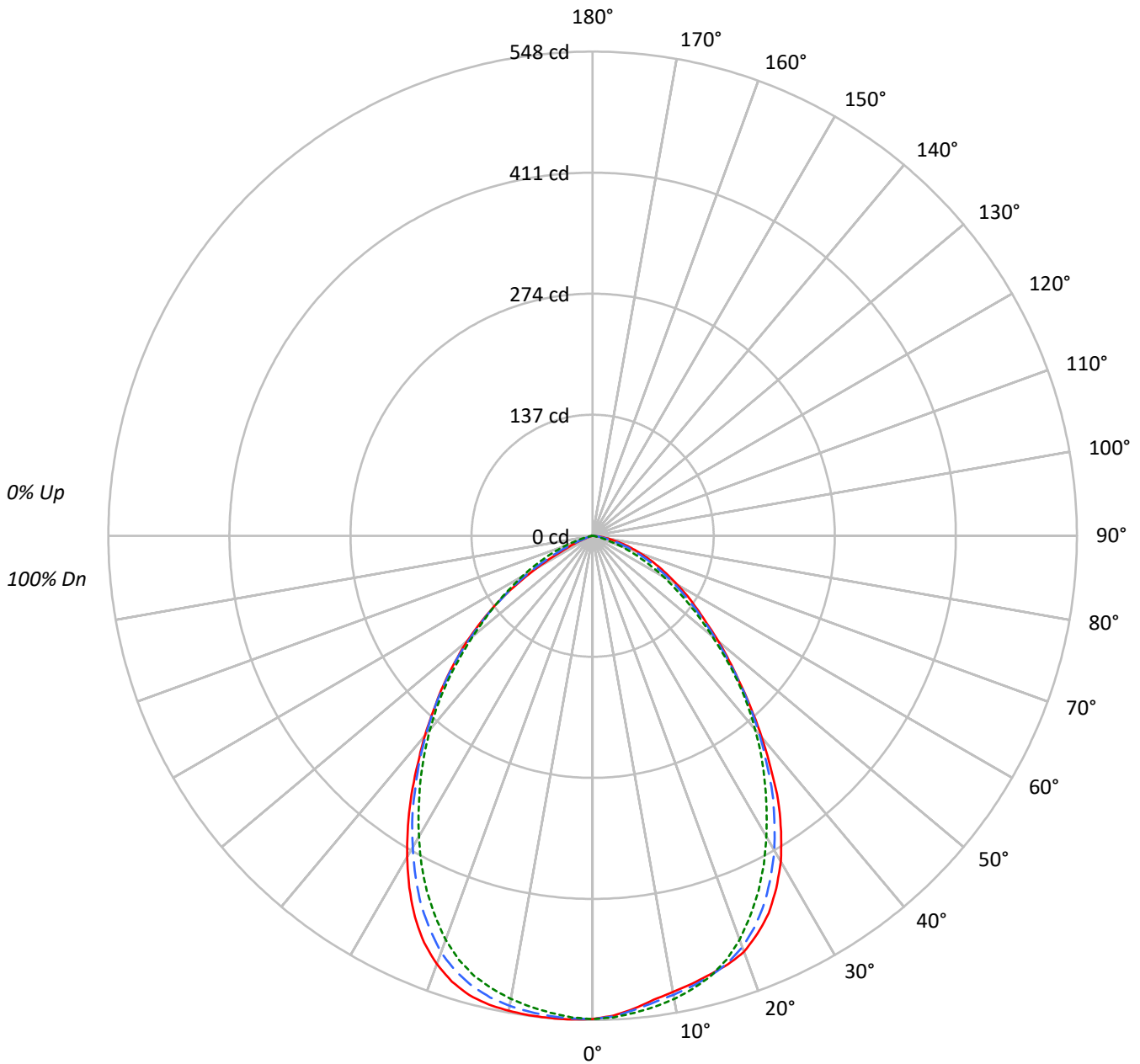
Lumens per Lamp: N/A
Luminaire Lumens: 1005.8 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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°	29981	29981	29981
5°	29567	29826	30156
10°	29180	29631	30394
15°	29160	29285	30556
20°	29228	28382	30091
25°	28514	26844	28792
30°	26954	24884	26561
35°	24514	22734	23918
40°	21304	20467	21118
45°	18265	17940	18514
50°	15837	15036	15795
55°	13744	12501	12434
60°	12104	10120	7861
65°	10624	7679	3775
70°	9120	5097	1394
75°	7413	2160	381
80°	5020	505	158
85°	2076	126	126



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	5.1
10°-20°	146.7	14.6
20°-30°	210.3	20.9
30°-40°	219.1	21.8
40°-50°	181.5	18.0
50°-60°	120.3	12.0
60°-70°	58.3	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°	408.5	40.6
0°-40°	627.6	62.4
0°-60°	929.4	92.4
0°-90°	1005.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1005.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	547	547	547	547	547	
5°	537	539	542	546	548	51
15°	514	516	516	528	538	145
25°	471	459	444	460	476	216
35°	366	355	340	350	357	227
45°	236	235	231	237	239	183
55°	144	139	131	128	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°	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9
2.5°	543.5	543.6	544.0	543.6	543.8	544.0	544.0	544.2	544.2	544.4	544.6
5°	537.3	537.9	537.9	537.9	537.9	538.0	538.2	538.2	538.0	538.0	538.8
7.5°	529.6	530.1	529.9	530.1	530.3	530.8	530.6	531.0	531.4	531.9	532.6
10°	524.2	524.3	524.2	524.7	525.0	525.4	525.4	525.7	526.2	526.7	527.5
12.5°	519.3	519.4	519.6	519.9	520.4	520.1	520.6	520.9	521.1	521.4	521.9
15°	513.8	514.8	514.5	514.8	515.0	515.1	515.3	515.5	515.3	515.3	515.6
17.5°	508.8	508.9	509.1	509.1	509.1	509.1	508.8	508.8	508.2	507.7	507.3
20°	501.0	500.8	500.5	500.5	499.7	499.9	499.2	498.9	497.9	496.7	495.4
22.5°	487.5	488.3	488.0	486.7	486.0	486.0	485.2	483.7	482.2	480.8	479.1
25°	471.4	471.0	470.4	469.8	468.6	467.9	466.8	465.8	463.5	460.9	459.4
27.5°	449.9	450.4	449.2	448.1	447.5	446.4	445.4	443.9	441.0	438.8	436.3
30°	425.8	425.5	425.3	423.9	422.4	422.7	420.6	419.0	416.8	413.2	411.2
32.5°	396.9	397.5	396.4	396.2	393.5	393.1	393.1	390.6	388.8	385.4	382.7
35°	366.3	365.8	365.5	364.2	364.0	363.0	362.0	360.2	357.9	356.8	354.6
37.5°	330.8	331.0	331.1	331.1	330.4	329.8	329.0	329.0	325.8	325.2	322.7
40°	297.7	298.3	298.1	296.9	297.0	297.2	297.0	296.9	294.9	294.1	293.8
42.5°	265.6	266.5	265.6	265.4	265.6	265.6	265.3	265.8	264.8	265.6	264.0
45°	235.6	236.3	235.7	235.6	235.2	236.2	235.0	236.0	235.4	234.5	234.9
47.5°	209.7	209.0	209.7	209.4	208.9	208.1	209.2	208.7	207.4	207.2	207.6
50°	185.7	185.4	185.7	185.5	184.7	184.7	184.5	184.1	183.7	182.7	181.9
52.5°	162.8	164.0	163.2	164.0	162.8	162.2	162.5	161.9	161.2	160.8	159.4
55°	143.8	143.9	143.9	143.9	143.3	142.9	142.6	142.1	142.1	140.6	139.1
57.5°	127.3	127.0	126.8	126.3	126.0	125.5	125.2	124.2	123.0	121.6	120.5
60°	110.4	110.7	110.7	110.0	109.5	108.9	108.7	108.1	106.8	105.3	103.8
62.5°	95.7	96.1	95.2	95.2	94.1	93.9	93.9	92.9	91.4	89.8	88.0
65°	81.9	81.6	82.1	80.8	80.9	79.9	79.5	79.0	77.5	75.5	73.9
67.5°	68.6	69.1	68.4	68.1	67.4	67.1	66.6	65.0	64.3	62.5	60.7
70°	56.9	56.6	56.2	56.2	55.4	54.9	54.8	53.0	52.0	50.6	48.7
72.5°	45.9	45.5	45.2	44.6	44.1	43.9	42.8	41.8	40.6	38.8	37.4
75°	35.0	34.9	34.5	34.2	33.2	32.9	32.7	31.4	29.4	28.0	26.8
77.5°	25.3	25.5	24.7	24.0	23.5	23.0	22.6	21.5	20.2	18.6	17.3
80°	15.9	16.1	15.9	15.3	14.6	14.5	14.0	13.2	12.1	11.0	10.2
82.5°	8.5	8.5	8.4	8.1	7.6	7.6	7.2	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°	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9
2.5°	544.6	544.7	544.9	545.1	545.1	545.1	545.3	545.4	545.4	545.6	545.8
5°	539.2	539.3	539.8	540.0	540.3	540.2	540.8	541.3	541.6	542.0	542.6
7.5°	532.9	533.6	534.2	534.8	535.0	535.2	535.7	536.4	537.0	537.7	538.2
10°	528.0	528.5	529.2	529.9	529.9	530.3	530.6	531.1	531.7	532.3	532.9
12.5°	522.4	523.0	523.2	523.6	523.6	523.7	524.2	524.3	524.9	525.0	526.2
15°	515.6	515.6	515.6	515.6	515.6	515.5	515.1	515.5	515.5	516.0	516.5
17.5°	506.4	506.4	505.3	504.8	505.0	504.1	503.9	503.2	503.2	503.2	503.8
20°	494.3	492.6	491.5	489.8	489.0	488.7	488.3	486.7	486.5	486.5	486.5
22.5°	477.2	475.3	473.5	472.2	470.3	469.6	468.8	467.8	466.5	465.8	467.4
25°	456.2	454.0	451.8	449.3	448.8	447.9	446.1	444.9	444.4	443.8	444.1
27.5°	433.9	430.9	428.6	426.0	425.2	424.0	422.4	420.8	419.0	419.4	419.4
30°	408.5	404.9	402.3	399.3	399.2	398.0	396.6	394.6	393.1	393.1	394.1
32.5°	380.9	378.3	376.0	372.5	372.0	371.3	370.2	368.4	367.3	366.3	367.0
35°	352.8	348.9	347.2	345.1	345.3	343.3	341.6	340.6	340.8	339.7	340.2
37.5°	322.7	320.4	318.0	317.1	316.1	315.1	314.3	313.7	313.3	313.3	313.0
40°	292.1	290.8	289.8	289.5	287.8	288.2	288.0	287.5	286.4	286.0	287.0
42.5°	263.5	262.2	261.7	260.7	260.5	260.0	260.0	259.4	259.2	259.4	259.2
45°	233.8	233.6	232.4	232.4	233.1	232.6	231.1	231.9	231.9	231.4	232.6
47.5°	206.6	206.7	205.9	204.5	204.5	203.6	202.5	203.5	204.0	203.1	203.6
50°	181.8	180.6	179.3	178.1	178.6	178.3	177.5	176.7	176.2	176.3	177.0
52.5°	158.2	157.7	156.1	154.8	154.5	154.6	153.6	152.5	152.6	152.5	152.1
55°	137.2	137.2	135.0	134.4	132.9	132.9	131.6	131.4	130.8	130.8	129.9
57.5°	118.9	117.3	116.0	114.8	114.2	113.5	113.0	111.7	111.2	110.0	109.9
60°	102.1	100.1	99.2	97.7	96.7	95.9	95.1	93.9	93.2	92.3	91.3
62.5°	87.0	84.9	83.1	81.6	80.8	80.6	79.1	77.8	76.5	75.3	73.5
65°	72.1	70.9	68.9	66.8	66.5	65.6	64.1	62.7	60.9	59.2	58.2
67.5°	58.9	57.3	55.4	54.4	53.1	52.4	50.8	48.7	46.6	44.9	43.0
70°	47.2	44.8	43.2	41.4	41.0	39.3	38.0	35.7	34.0	31.8	28.9
72.5°	35.4	33.1	31.8	30.0	28.9	28.0	26.0	24.0	21.2	19.5	17.0
75°	25.0	23.0	21.2	19.4	18.6	17.3	15.8	13.5	11.7	10.2	8.4
77.5°	15.5	14.3	12.7	11.2	10.5	9.7	8.5	6.9	5.6	4.3	3.3
80°	8.9	7.7	6.7	5.6	5.3	4.9	3.8	2.9	2.3	1.6	1.1
82.5°	4.1	3.4	2.9	2.3	2.1	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°	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9
2.5°	545.8	546.0	546.2	546.2	546.2	546.4	546.4	546.7	546.9	547.1	547.1
5°	542.9	543.5	543.8	544.0	544.2	544.7	544.9	545.4	545.8	546.2	546.6
7.5°	539.0	539.5	540.2	540.6	541.0	541.6	542.2	543.1	543.6	544.4	545.1
10°	533.9	534.6	535.7	536.0	536.4	537.3	538.4	539.5	540.3	541.5	542.4
12.5°	526.5	527.5	528.8	529.2	529.8	531.0	532.3	533.9	535.2	536.6	538.0
15°	517.3	518.7	519.6	519.9	520.7	522.5	523.7	525.5	527.5	529.8	531.4
17.5°	504.5	505.1	506.8	507.6	508.4	510.2	512.2	514.3	516.2	518.6	521.1
20°	487.7	488.7	490.7	491.5	492.5	494.1	497.0	498.9	501.7	504.6	506.4
22.5°	466.6	468.6	470.6	471.6	472.2	474.2	476.3	479.3	481.6	485.7	488.0
25°	444.9	445.6	447.2	448.8	449.2	451.7	454.0	457.6	460.0	462.5	465.8
27.5°	420.1	420.8	423.3	423.7	423.9	426.5	429.3	432.1	434.2	437.0	438.7
30°	394.1	395.3	396.4	397.1	398.4	399.7	402.2	405.8	407.2	409.7	411.9
32.5°	367.5	367.5	370.1	370.2	370.9	373.8	375.2	377.5	380.0	381.9	381.8
35°	341.1	341.8	342.8	344.0	344.6	346.4	346.9	348.5	350.2	351.6	353.4
37.5°	313.8	313.8	315.8	316.8	317.3	318.1	319.1	320.7	321.6	322.2	323.2
40°	287.8	288.5	288.9	289.3	289.3	290.5	291.3	292.5	293.1	294.4	293.8
42.5°	261.4	261.0	261.2	262.2	262.3	263.0	263.6	264.3	265.0	264.7	266.0
45°	233.4	233.6	233.9	233.9	234.5	235.4	236.3	236.7	237.2	238.2	238.3
47.5°	204.1	205.1	204.5	205.9	206.3	206.6	208.7	208.9	210.7	211.0	211.0
50°	176.8	176.8	178.0	178.5	178.8	179.4	180.1	180.9	181.4	182.7	183.0
52.5°	152.3	152.6	152.6	152.1	152.6	152.6	154.5	154.6	154.5	154.8	155.4
55°	130.3	130.4	129.3	130.1	129.9	129.3	129.8	128.6	128.5	129.0	128.6
57.5°	109.1	108.4	108.2	107.3	107.3	106.4	105.6	105.6	104.8	103.5	103.3
60°	90.1	89.1	88.3	87.8	86.4	85.5	84.2	83.1	81.6	80.1	79.1
62.5°	72.2	71.0	69.6	68.9	67.8	65.6	64.0	62.3	60.0	58.5	57.1
65°	56.4	54.4	52.0	51.0	49.8	47.9	45.7	43.0	40.6	38.7	36.2
67.5°	40.8	38.7	36.3	34.7	33.6	31.3	28.8	26.3	23.7	21.5	20.2
70°	26.8	24.0	21.9	20.6	19.5	17.1	14.8	12.8	11.5	11.0	10.8
72.5°	15.1	12.5	10.8	9.6	8.7	7.1	5.8	5.1	4.7	4.5	4.1
75°	6.5	4.9	3.8	3.1	2.7	2.1	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°	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9
2.5°	547.2	547.6	547.6	547.9	548.0	548.0	548.0	548.0
5°	546.9	547.2	547.4	547.6	547.9	548.0	548.0	548.0
7.5°	545.4	546.2	546.4	546.7	547.1	547.2	547.2	547.4
10°	543.3	544.0	544.6	544.9	545.3	545.6	546.0	546.0
12.5°	539.3	540.3	541.1	541.5	542.4	542.8	543.1	543.5
15°	532.8	534.2	535.2	535.9	536.6	537.7	537.9	538.4
17.5°	523.0	525.0	525.4	526.5	527.3	529.2	529.0	529.2
20°	508.9	511.2	511.9	513.0	514.3	515.6	516.8	515.8
22.5°	490.2	492.6	493.8	494.9	495.8	496.9	498.3	498.5
25°	467.9	470.1	471.0	471.7	473.5	474.5	475.9	476.0
27.5°	442.5	443.8	444.9	445.4	447.4	447.9	449.2	449.2
30°	413.5	415.0	416.5	417.0	417.6	418.1	419.0	419.6
32.5°	383.9	385.4	385.9	386.8	387.0	387.9	387.5	389.0
35°	354.3	354.6	355.2	355.0	356.3	356.1	357.6	357.4
37.5°	324.5	324.2	325.0	326.0	325.5	325.2	325.8	324.8
40°	294.7	294.9	295.1	295.9	295.1	295.6	295.2	295.1
42.5°	266.8	266.8	265.8	266.8	266.1	265.8	266.5	265.4
45°	238.7	238.5	238.7	238.8	238.8	238.8	238.2	238.8
47.5°	211.9	212.2	211.4	212.7	212.3	211.5	211.5	211.0
50°	183.6	184.7	185.9	184.9	185.7	185.2	184.7	185.2
52.5°	156.6	157.4	156.4	156.6	158.6	158.6	157.6	157.4
55°	127.9	127.9	128.3	128.5	128.6	131.0	129.8	130.1
57.5°	102.3	102.3	101.7	102.8	102.1	101.2	102.1	99.7
60°	77.7	77.5	77.0	76.3	74.5	73.9	71.9	71.7
62.5°	55.3	53.3	52.6	51.1	49.2	48.7	46.6	46.4
65°	34.4	31.9	31.3	30.6	29.6	29.4	28.8	29.1
67.5°	19.5	19.1	18.9	18.4	18.1	17.7	17.7	17.6
70°	10.3	9.6	9.4	9.2	9.2	8.5	8.4	8.7
72.5°	4.0	3.6	3.6	3.6	3.4	3.4	3.4	3.4
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)