

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: P843981

Luminaire Tested: **LD6C10DE010B2750 EU6C10B40 6LBDWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843981  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C10DE010B2750 EU6C10B40 6LBLDWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

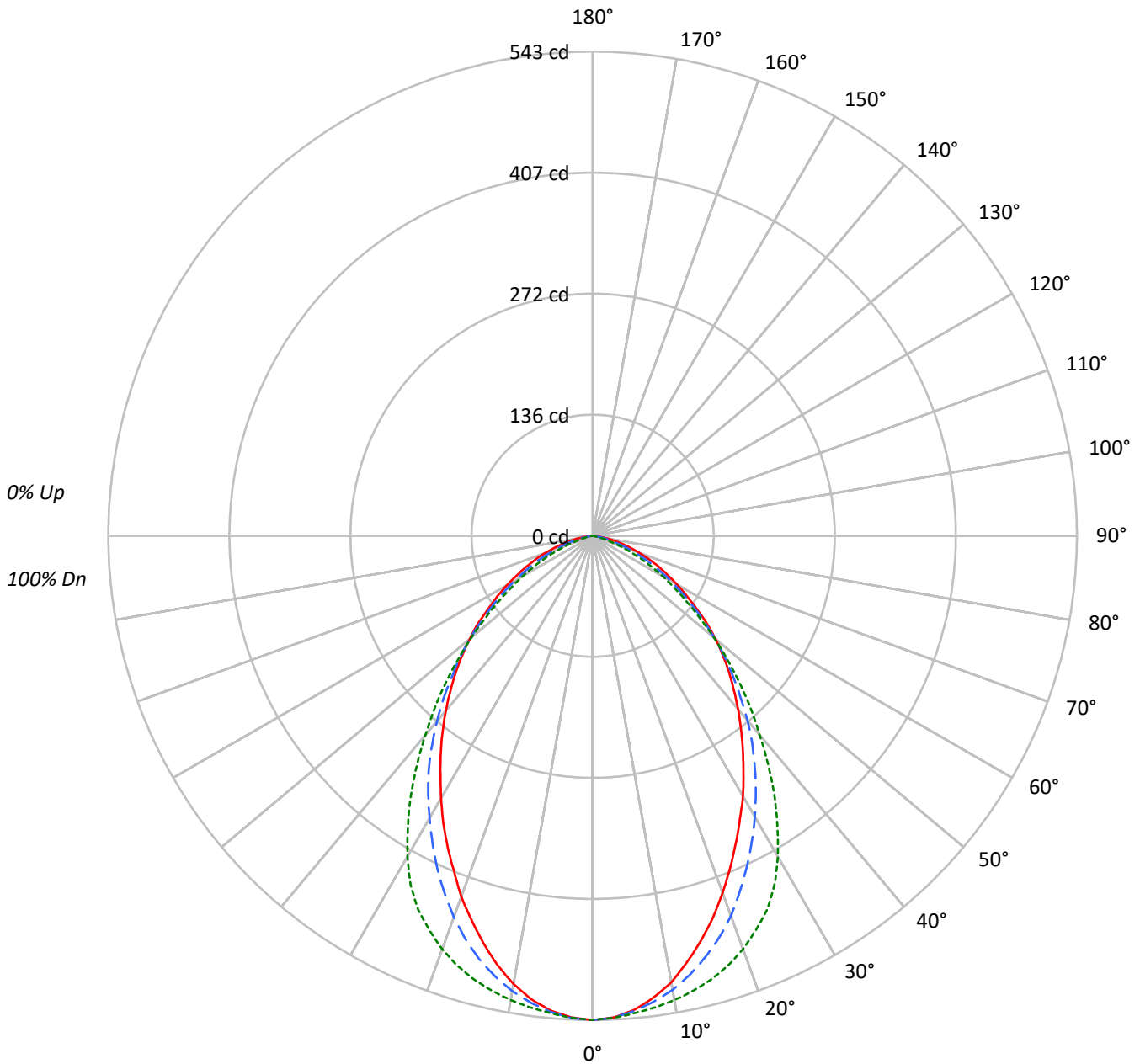
Lumens per Lamp: N/A  
Luminaire Lumens: 972.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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									
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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77																			
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67																			
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59																			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53																			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42																			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38																			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	29767	29767	29767
5°	29375	29584	29419
10°	28301	29431	28412
15°	26669	29223	26845
20°	24852	28773	25121
25°	22985	27994	23263
30°	21345	26283	21497
35°	19642	23771	19863
40°	18148	20853	18313
45°	16769	18025	16823
50°	15334	15113	15326
55°	13553	12339	13610
60°	11962	9901	12137
65°	10533	7368	10611
70°	8864	4632	9104
75°	7032	1949	7223
80°	4704	474	5051
85°	1950	126	2264



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.6	5.2
10°-20°	138.1	14.2
20°-30°	190.6	19.6
30°-40°	200.5	20.6
40°-50°	172.7	17.8
50°-60°	122.9	12.6
60°-70°	69.3	7.1
70°-80°	24.6	2.5
80°-90°	2.8	0.3
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°	379.2	39.0
0°-40°	579.7	59.6
0°-60°	875.3	90.1
0°-90°	972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	543	543	543	543	543	
5°	534	535	538	536	535	50
15°	470	489	515	492	473	132
25°	380	409	463	412	385	175
35°	294	317	355	320	297	184
45°	216	222	232	223	217	167
55°	142	137	129	137	142	128
65°	81	70	57	70	82	80
75°	33	22	9	23	34	36
85°	3	2	0	2	4	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°	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0
2.5°	540.7	540.8	540.8	541.0	540.8	540.8	541.0	541.0	540.8	541.0	541.0
5°	533.8	533.6	533.8	533.9	534.4	534.4	534.3	534.3	534.8	534.6	535.1
7.5°	522.5	522.5	523.1	523.4	523.4	523.6	524.0	524.7	525.4	525.6	526.9
10°	508.4	508.5	508.4	509.1	509.7	510.5	510.4	511.7	513.0	514.8	517.1
12.5°	489.7	490.2	491.4	491.4	493.0	493.9	493.7	496.6	499.0	501.1	504.1
15°	469.9	469.8	470.6	472.1	473.7	475.0	475.5	479.3	481.8	485.3	488.9
17.5°	448.8	448.2	449.6	450.6	453.3	454.9	455.9	459.2	463.0	467.4	472.3
20°	426.0	427.0	427.3	428.6	432.3	433.5	435.3	438.9	442.7	447.8	453.4
22.5°	402.9	404.1	404.9	406.4	409.4	410.5	412.3	417.6	421.7	426.2	431.5
25°	380.0	381.5	382.8	384.8	386.7	388.4	390.7	394.3	399.0	403.2	409.2
27.5°	357.7	359.0	359.4	361.7	364.0	366.3	367.5	371.9	375.9	381.0	386.7
30°	337.2	336.5	337.4	339.4	342.1	343.5	345.7	348.6	353.0	357.9	363.8
32.5°	314.8	314.8	316.2	318.6	320.7	321.8	322.6	326.5	330.8	335.6	340.5
35°	293.5	294.2	295.5	297.0	299.3	300.3	301.8	304.8	308.2	313.5	317.1
37.5°	273.1	273.6	274.9	276.3	278.2	280.0	280.7	283.8	286.3	290.6	294.0
40°	253.6	253.8	255.3	255.8	257.4	258.2	259.6	261.2	264.8	266.7	269.9
42.5°	234.1	235.0	235.5	236.8	236.9	238.4	239.1	239.7	242.6	243.7	245.5
45°	216.3	216.3	216.8	216.8	217.8	217.2	218.3	219.4	219.6	221.4	222.4
47.5°	197.8	197.2	198.0	197.8	197.6	197.6	198.0	198.2	198.7	200.0	200.5
50°	179.8	178.5	178.5	178.4	178.2	178.7	178.7	178.5	178.5	179.2	178.5
52.5°	161.5	161.2	160.2	159.6	159.2	159.2	159.2	158.4	158.4	158.1	156.8
55°	141.8	142.4	141.9	141.6	141.4	140.9	140.9	139.9	138.6	137.8	137.1
57.5°	124.7	125.4	125.4	124.7	123.8	123.4	122.6	122.1	120.8	119.5	118.0
60°	109.1	110.1	108.8	108.2	108.1	107.6	107.1	105.1	103.9	102.6	101.0
62.5°	94.2	94.7	93.7	93.2	92.6	92.1	91.9	90.3	88.1	86.5	84.5
65°	81.2	80.7	80.3	79.4	78.5	77.7	77.7	75.6	73.6	71.6	69.6
67.5°	67.6	68.0	67.5	66.7	65.3	64.5	63.5	62.0	60.2	58.2	55.8
70°	55.3	55.1	54.6	53.8	53.0	51.7	50.8	50.0	47.5	45.2	43.2
72.5°	44.1	43.9	43.4	42.4	41.1	40.6	39.9	38.1	36.1	34.1	31.9
75°	33.2	33.3	32.5	32.0	30.7	30.1	29.9	27.7	26.1	24.3	22.3
77.5°	23.8	23.8	22.8	22.1	21.4	21.0	20.3	19.0	17.8	16.0	14.3
80°	14.9	14.9	14.9	14.2	13.4	13.0	12.5	11.6	10.4	9.2	8.1
82.5°	7.9	7.9	7.6	7.4	7.1	6.7	6.6	6.1	5.3	4.8	4.0
85°	3.1	3.1	2.9	2.9	2.5	2.5	2.3	2.2	1.8	1.6	1.5
87.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	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°	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0
2.5°	541.2	541.2	541.0	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.4
5°	535.4	535.9	536.1	536.3	536.6	536.9	537.0	537.2	537.4	537.6	537.6
7.5°	528.0	529.2	530.1	531.0	531.4	531.8	532.3	533.0	533.6	533.6	533.4
10°	519.1	520.7	522.5	524.2	524.7	525.6	526.5	527.5	528.5	528.7	528.7
12.5°	507.5	509.3	512.5	515.3	516.3	517.6	519.4	521.1	521.9	522.5	522.4
15°	493.0	496.8	501.3	504.4	505.9	508.0	510.9	512.7	514.2	514.9	514.5
17.5°	477.2	482.1	486.9	491.2	493.2	495.3	499.3	502.6	504.7	505.3	504.9
20°	459.2	464.7	469.9	475.2	477.9	480.5	484.6	488.8	492.4	493.2	492.6
22.5°	437.9	444.0	450.3	456.4	459.4	461.8	467.8	472.4	476.7	478.5	477.2
25°	415.8	422.2	429.0	434.3	437.6	441.7	447.1	452.6	457.6	462.8	458.2
27.5°	392.2	398.1	405.2	412.5	415.8	418.6	424.2	431.1	436.4	441.7	436.4
30°	368.6	376.2	382.5	388.9	392.5	396.0	401.6	407.2	412.3	415.2	411.9
32.5°	346.5	352.1	358.4	364.6	367.1	369.9	374.6	379.8	384.8	385.6	383.5
35°	323.2	328.2	333.4	337.4	340.5	343.4	347.5	350.8	352.1	355.2	353.0
37.5°	297.0	301.3	306.1	308.9	311.7	314.0	317.1	320.0	321.1	323.4	321.8
40°	272.1	275.7	278.5	281.5	283.0	285.3	286.6	288.9	290.2	291.4	291.5
42.5°	248.2	250.2	252.1	254.4	254.9	255.4	258.5	260.2	261.4	262.2	261.0
45°	223.7	225.7	226.4	228.0	229.0	229.3	230.6	230.8	231.2	232.5	231.8
47.5°	201.4	201.6	202.1	202.9	203.3	203.3	203.9	203.3	203.6	203.8	204.1
50°	178.0	179.3	178.0	178.7	179.0	178.7	178.2	177.9	177.4	177.2	176.9
52.5°	155.9	156.1	155.4	154.8	154.3	154.5	153.0	152.3	152.5	151.3	152.6
55°	135.8	135.1	133.5	132.9	131.7	131.5	131.3	130.4	128.9	129.1	129.5
57.5°	116.4	115.2	113.5	112.6	112.2	110.7	110.6	109.1	108.2	108.1	108.1
60°	98.8	97.7	96.1	94.4	93.2	92.4	91.6	90.1	90.4	90.3	89.4
62.5°	82.2	80.9	78.5	76.7	75.9	75.4	74.1	73.1	72.6	73.1	72.6
65°	67.3	65.3	62.5	60.7	60.6	59.9	58.4	57.6	57.1	56.8	57.3
67.5°	53.5	50.8	49.2	46.7	45.7	45.4	43.4	42.2	42.4	42.2	42.4
70°	40.8	38.1	35.9	34.1	32.7	32.0	31.0	29.5	29.4	28.9	29.5
72.5°	29.5	27.2	25.2	23.2	21.9	21.3	19.8	18.3	18.0	17.6	17.6
75°	20.3	18.3	16.2	14.3	13.4	12.7	11.2	10.2	9.2	9.2	9.2
77.5°	12.7	11.1	9.4	8.1	7.6	6.9	5.6	4.5	4.1	3.6	3.8
80°	7.3	6.0	5.1	4.1	3.6	3.3	2.5	2.0	1.5	1.5	1.5
82.5°	3.5	2.9	2.2	1.8	1.6	1.3	1.0	0.7	0.5	0.3	0.3
85°	1.1	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°	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0
2.5°	541.2	541.4	541.2	541.4	541.2	541.5	541.5	541.4	541.4	541.4	541.2
5°	537.4	537.4	537.2	537.2	537.2	537.0	536.4	536.4	536.1	535.9	535.6
7.5°	533.3	532.8	532.3	532.1	531.6	531.0	530.0	529.0	528.3	527.4	526.5
10°	528.2	527.2	526.2	525.4	525.0	523.7	522.2	519.9	518.6	516.9	515.1
12.5°	521.6	520.6	518.6	517.1	516.1	513.8	511.5	508.7	505.9	502.9	501.1
15°	513.1	511.3	508.7	507.2	505.7	502.4	498.3	494.4	491.5	488.2	483.9
17.5°	503.1	500.4	497.0	494.5	492.6	488.2	483.3	478.5	474.1	470.1	465.8
20°	489.4	486.1	481.9	478.8	476.8	471.2	466.0	460.2	454.9	450.1	445.1
22.5°	473.2	467.8	463.6	460.0	457.7	451.4	445.7	439.4	433.8	429.7	424.2
25°	452.9	447.6	442.4	439.4	436.1	429.3	423.4	417.0	411.7	406.4	401.4
27.5°	431.3	425.2	419.4	415.9	412.8	406.3	400.3	394.5	388.6	382.8	378.2
30°	407.7	401.6	397.0	392.7	389.2	384.0	376.5	370.8	365.5	360.2	355.6
32.5°	381.5	376.4	370.9	368.8	366.3	359.9	354.1	348.5	343.2	337.9	333.0
35°	351.0	347.0	343.7	341.4	339.7	334.1	329.6	323.6	320.4	315.1	311.5
37.5°	319.8	317.8	315.6	312.7	310.4	307.1	304.4	299.5	295.7	291.9	287.9
40°	289.9	287.7	284.8	283.3	282.8	280.0	276.1	273.6	271.4	268.0	265.8
42.5°	260.7	259.6	256.7	255.9	255.3	252.8	250.9	248.8	247.3	244.7	243.7
45°	231.0	230.8	230.0	229.3	229.0	227.2	226.8	224.1	222.8	222.3	221.2
47.5°	204.7	204.1	203.1	204.1	202.5	202.3	202.3	201.8	201.3	199.8	199.6
50°	177.9	178.7	179.0	178.4	179.5	179.3	178.4	178.5	179.0	179.7	178.5
52.5°	153.3	153.9	155.2	154.6	155.6	156.4	156.1	157.6	157.1	157.7	159.2
55°	129.8	131.8	133.1	132.5	133.3	134.3	134.7	136.0	137.1	138.3	139.3
57.5°	109.7	110.2	112.0	112.6	112.7	113.7	115.5	117.5	118.8	119.6	120.6
60°	89.9	91.7	93.0	93.0	94.4	95.7	97.4	99.2	100.6	102.8	104.4
62.5°	73.3	73.6	75.4	75.6	76.7	78.9	80.2	82.8	84.7	87.0	89.2
65°	57.1	58.7	59.9	60.0	61.7	63.2	65.0	67.6	70.1	72.1	74.1
67.5°	42.8	43.7	45.2	46.4	46.7	49.2	51.8	54.3	56.4	58.2	60.7
70°	29.9	30.7	32.7	33.3	34.5	36.3	38.4	40.9	43.5	46.0	48.0
72.5°	18.3	20.0	21.3	22.3	23.2	25.4	27.7	29.9	32.0	34.3	36.8
75°	10.2	11.2	12.7	13.7	14.7	16.3	18.5	20.6	22.6	24.6	26.4
77.5°	4.5	5.6	6.9	7.6	8.4	9.8	11.4	13.2	14.9	16.3	18.0
80°	1.8	2.5	3.3	3.8	4.1	5.1	6.3	7.3	8.4	9.6	10.9
82.5°	0.7	1.0	1.3	1.6	1.8	2.3	2.9	3.5	4.3	4.9	5.6
85°	0.2	0.2	0.3	0.3	0.5	0.7	1.0	1.3	1.5	1.6	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
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°	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0
2.5°	541.2	541.0	541.0	541.0	541.0	540.8	540.8	540.8
5°	535.7	535.4	535.2	535.2	534.6	534.8	534.8	534.6
7.5°	526.2	525.7	525.2	525.6	525.4	524.9	524.7	524.5
10°	513.6	513.0	512.7	511.8	511.3	511.0	511.0	510.4
12.5°	498.8	496.8	496.6	495.7	494.4	493.7	494.0	493.0
15°	482.3	479.3	477.9	477.2	475.7	474.5	473.4	473.0
17.5°	462.2	458.9	457.7	457.1	453.9	453.8	452.3	451.8
20°	441.1	438.2	436.6	435.5	433.1	431.0	430.8	430.6
22.5°	420.6	415.9	414.5	412.8	410.3	408.5	407.4	406.4
25°	397.5	393.7	391.1	389.4	387.6	386.1	384.8	384.6
27.5°	374.2	370.6	368.9	367.5	365.1	363.5	362.0	362.8
30°	351.6	348.0	346.1	345.0	342.7	341.7	339.2	339.6
32.5°	329.0	325.8	324.5	322.4	320.1	319.1	318.1	317.5
35°	307.5	304.8	302.9	301.5	299.5	297.7	296.8	296.8
37.5°	285.6	282.8	282.0	280.8	279.0	276.5	275.6	276.3
40°	263.2	261.2	260.4	259.6	257.9	256.9	255.9	255.9
42.5°	242.0	240.1	239.9	239.1	237.7	237.1	236.4	235.9
45°	219.9	219.0	218.3	218.3	218.1	217.9	217.3	217.0
47.5°	198.7	198.8	198.5	198.3	198.5	198.0	198.7	198.2
50°	179.3	179.0	179.3	179.0	179.2	179.8	179.2	179.7
52.5°	158.6	160.2	160.4	159.7	160.4	161.0	161.4	162.2
55°	140.3	140.9	141.2	141.9	142.4	143.4	142.4	142.4
57.5°	122.6	123.4	123.8	124.4	125.9	125.3	126.2	126.9
60°	106.4	107.6	108.2	108.8	109.4	110.6	110.9	110.7
62.5°	90.6	92.3	92.4	93.9	94.2	95.2	95.9	95.2
65°	75.9	77.4	78.5	79.4	80.5	81.4	81.2	81.8
67.5°	62.5	64.4	65.3	65.7	67.1	67.5	68.3	68.9
70°	50.4	51.7	52.8	53.3	54.3	55.3	56.2	56.8
72.5°	38.4	40.4	41.6	41.9	43.4	44.1	44.4	44.9
75°	28.5	30.1	30.7	31.5	32.3	34.0	33.7	34.1
77.5°	19.8	20.8	21.9	21.9	23.2	23.6	24.4	24.6
80°	11.7	13.0	13.6	13.7	14.7	15.2	15.5	16.0
82.5°	6.1	7.1	7.1	7.4	8.1	8.1	8.4	8.7
85°	2.3	2.7	2.9	2.9	3.1	3.5	3.5	3.6
87.5°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
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)