

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: P843930

Luminaire Tested: **LD6C10DE010B2750 EU6C10B27 6LBDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843930
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 EU6C10B27 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

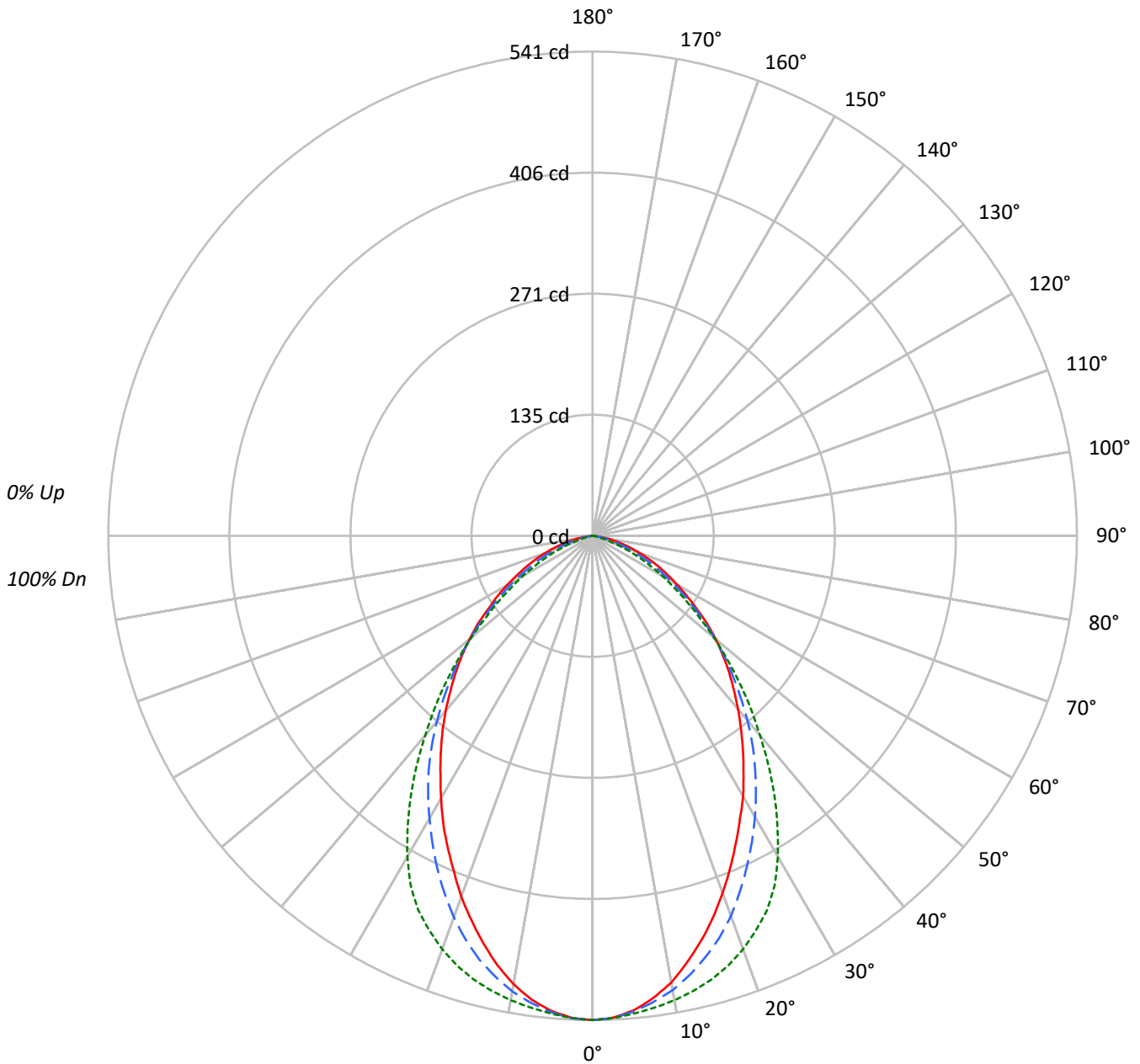
Lumens per Lamp: N/A
Luminaire Lumens: 968.8 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	29669	29669	29669
5°	29276	29485	29325
10°	28206	29330	28317
15°	26584	29126	26760
20°	24770	28673	25039
25°	22907	27903	23185
30°	21275	26200	21421
35°	19575	23691	19796
40°	18091	20782	18263
45°	16707	17955	16769
50°	15292	15053	15275
55°	13505	12301	13553
60°	11929	9868	12104
65°	10494	7342	10572
70°	8832	4616	9072
75°	7011	1949	7202
80°	4672	474	5020
85°	1950	126	2264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	5.2
10°-20°	137.6	14.2
20°-30°	190.0	19.6
30°-40°	199.8	20.6
40°-50°	172.1	17.8
50°-60°	122.5	12.6
60°-70°	69.1	7.1
70°-80°	24.5	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°	378.0	39.0
0°-40°	577.8	59.6
0°-60°	872.5	90.1
0°-90°	968.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	968.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	541	541	541	541	541	
5°	532	533	536	534	533	50
15°	468	487	513	490	472	131
25°	379	408	461	410	383	174
35°	292	316	354	319	296	183
45°	216	222	232	222	216	166
55°	141	137	129	137	142	127
65°	81	69	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°	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2
2.5°	538.9	539.1	539.1	539.3	539.1	539.1	539.3	539.3	539.1	539.3	539.3
5°	532.0	531.8	532.0	532.2	532.7	532.7	532.5	532.5	533.0	532.9	533.3
7.5°	520.8	520.8	521.3	521.7	521.7	521.8	522.3	523.0	523.7	523.8	525.1
10°	506.7	506.9	506.7	507.5	508.0	508.8	508.7	510.0	511.3	513.1	515.4
12.5°	488.1	488.6	489.7	489.7	491.4	492.2	492.1	495.0	497.3	499.5	502.4
15°	468.4	468.2	469.2	470.5	472.2	473.5	474.0	477.8	480.2	483.8	487.4
17.5°	447.3	446.7	448.1	449.1	451.8	453.4	454.5	457.7	461.6	465.9	470.8
20°	424.6	425.6	425.9	427.2	430.8	432.0	433.8	437.5	441.2	446.3	451.9
22.5°	401.6	402.9	403.5	405.2	408.0	409.1	410.9	416.2	420.3	424.9	430.1
25°	378.7	380.2	381.5	383.5	385.4	387.1	389.4	393.0	397.8	401.9	407.8
27.5°	356.5	357.8	358.1	360.5	362.9	365.0	366.3	370.6	374.6	379.7	385.4
30°	336.1	335.4	336.3	338.3	341.0	342.5	344.6	347.5	351.9	356.7	362.7
32.5°	313.7	313.7	315.2	317.5	319.7	320.8	321.5	325.4	329.8	334.5	339.4
35°	292.5	293.3	294.6	296.0	298.4	299.2	300.9	303.8	307.2	312.4	316.0
37.5°	272.1	272.7	273.9	275.4	277.2	279.0	279.7	282.8	285.3	289.7	293.1
40°	252.8	253.0	254.5	255.0	256.6	257.3	258.8	260.4	264.0	265.8	269.1
42.5°	233.3	234.2	234.7	236.0	236.2	237.7	238.4	238.9	241.8	242.8	244.6
45°	215.5	215.5	216.2	216.2	217.0	216.5	217.6	218.6	218.8	220.6	221.7
47.5°	197.1	196.6	197.4	197.1	196.9	196.9	197.4	197.6	198.1	199.4	199.9
50°	179.3	178.0	178.0	177.8	177.7	178.2	178.2	178.0	178.0	178.5	178.0
52.5°	161.0	160.7	159.7	159.1	158.6	158.6	158.6	157.9	157.9	157.6	156.3
55°	141.3	141.8	141.5	141.1	141.0	140.5	140.5	139.5	138.0	137.4	136.6
57.5°	124.4	125.0	125.0	124.4	123.4	123.1	122.2	121.6	120.4	119.1	117.6
60°	108.8	109.7	108.4	107.9	107.7	107.1	106.8	104.8	103.5	102.3	100.7
62.5°	93.9	94.3	93.4	92.9	92.3	91.8	91.6	90.0	87.8	86.2	84.2
65°	80.9	80.4	80.1	79.1	78.3	77.5	77.5	75.3	73.4	71.4	69.4
67.5°	67.4	67.8	67.3	66.5	65.0	64.3	63.2	61.8	60.0	58.0	55.6
70°	55.1	54.9	54.4	53.6	52.8	51.5	50.6	49.9	47.4	44.9	43.0
72.5°	43.9	43.7	43.2	42.3	41.0	40.5	39.8	38.0	36.0	34.0	31.8
75°	33.1	33.2	32.4	31.9	30.6	30.0	29.8	27.6	26.0	24.2	22.2
77.5°	23.7	23.7	22.7	22.0	21.4	20.9	20.2	18.9	17.7	15.9	14.3
80°	14.8	14.8	14.8	14.1	13.3	13.0	12.5	11.5	10.3	9.2	8.1
82.5°	7.9	7.9	7.6	7.4	7.1	6.7	6.6	6.1	5.3	4.7	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°	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2
2.5°	539.4	539.4	539.3	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.6
5°	533.7	534.2	534.3	534.5	535.0	535.1	535.3	535.5	535.6	535.8	535.8
7.5°	526.2	527.4	528.4	529.3	529.7	530.0	530.5	531.2	531.8	531.8	531.7
10°	517.4	519.0	520.8	522.5	523.0	523.8	524.8	525.9	526.8	526.9	526.9
12.5°	505.8	507.7	510.8	513.6	514.6	515.9	517.7	519.4	520.3	520.8	520.7
15°	491.4	495.2	499.6	502.7	504.2	506.4	509.3	511.0	512.5	513.2	512.8
17.5°	475.6	480.5	485.3	489.6	491.5	493.7	497.7	500.9	503.1	503.6	503.2
20°	457.7	463.1	468.4	473.6	476.4	478.9	483.0	487.1	490.8	491.5	491.0
22.5°	436.4	442.5	448.9	454.9	458.0	460.3	466.2	471.0	475.1	476.9	475.6
25°	414.4	420.8	427.6	432.8	436.3	440.2	445.6	451.1	456.2	461.3	456.7
27.5°	390.9	396.8	403.9	411.1	414.4	417.2	422.8	429.7	435.0	440.2	435.0
30°	367.4	374.9	381.3	387.6	391.2	394.7	400.3	405.9	410.9	413.9	410.6
32.5°	345.3	350.9	357.3	363.4	365.9	368.7	373.3	378.6	383.5	384.3	382.2
35°	322.2	327.1	332.3	336.3	339.4	342.3	346.4	349.7	350.9	354.0	351.9
37.5°	296.0	300.4	305.0	307.9	310.6	313.0	316.0	319.0	320.0	322.4	320.8
40°	271.3	274.9	277.5	280.6	282.1	284.4	285.7	288.1	289.3	290.4	290.5
42.5°	247.4	249.4	251.4	253.5	254.0	254.6	257.6	259.3	260.6	261.3	260.2
45°	222.9	225.0	225.7	227.3	228.2	228.6	229.8	230.0	230.4	231.6	231.1
47.5°	200.7	201.0	201.5	202.2	202.5	202.5	203.3	202.5	203.0	203.1	203.5
50°	177.5	178.7	177.5	178.2	178.3	178.2	177.7	177.3	176.7	176.5	176.4
52.5°	155.4	155.6	154.8	154.3	153.8	154.0	152.5	151.8	152.0	150.9	152.2
55°	135.4	134.6	133.1	132.4	131.1	131.0	130.8	129.9	128.5	128.7	129.0
57.5°	116.0	114.8	113.2	112.2	111.9	110.4	110.2	108.8	107.9	107.7	107.7
60°	98.5	97.4	95.8	94.1	92.9	92.1	91.3	89.8	90.2	90.0	89.1
62.5°	81.9	80.6	78.3	76.5	75.7	75.2	73.9	72.9	72.2	72.9	72.2
65°	67.1	65.0	62.3	60.5	60.4	59.7	58.2	57.4	56.9	56.6	57.1
67.5°	53.3	50.6	49.0	46.6	45.6	45.2	43.2	42.1	42.3	42.1	42.3
70°	40.6	38.0	35.7	34.0	32.6	31.9	30.9	29.5	29.3	28.8	29.5
72.5°	29.5	27.1	25.1	23.2	21.9	21.2	19.7	18.3	17.9	17.6	17.6
75°	20.2	18.3	16.1	14.3	13.3	12.7	11.2	10.2	9.2	9.2	9.2
77.5°	12.7	11.0	9.4	8.1	7.6	6.9	5.6	4.5	4.1	3.6	3.8
80°	7.2	5.9	5.1	4.1	3.6	3.3	2.5	2.0	1.5	1.5	1.5
82.5°	3.4	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°	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2
2.5°	539.4	539.6	539.4	539.6	539.4	539.8	539.8	539.6	539.6	539.6	539.4
5°	535.6	535.6	535.5	535.5	535.5	535.3	534.7	534.7	534.3	534.2	533.8
7.5°	531.5	531.1	530.5	530.4	529.9	529.3	528.2	527.3	526.6	525.6	524.8
10°	526.4	525.5	524.4	523.7	523.3	522.0	520.5	518.2	516.9	515.2	513.4
12.5°	519.9	518.8	516.9	515.4	514.4	512.1	509.8	507.0	504.2	501.3	499.5
15°	511.4	509.6	507.0	505.7	504.0	500.8	496.6	492.8	489.9	486.6	482.3
17.5°	501.4	498.8	495.3	493.0	491.0	486.6	481.8	476.9	472.6	468.5	464.2
20°	487.8	484.5	480.4	477.2	475.3	469.7	464.4	458.6	453.4	448.6	443.7
22.5°	471.6	466.2	462.1	458.5	456.3	449.9	444.2	438.1	432.5	428.2	422.8
25°	451.4	446.2	440.9	438.1	434.6	427.9	422.0	415.7	410.4	405.2	400.1
27.5°	429.9	423.8	418.0	414.6	411.5	405.0	399.0	393.2	387.3	381.5	376.9
30°	406.4	400.3	395.8	391.4	387.9	382.8	375.4	369.5	364.4	359.1	354.4
32.5°	380.2	375.1	369.7	367.5	365.0	358.7	352.9	347.3	342.0	336.9	332.0
35°	349.9	345.8	342.7	340.2	338.7	333.0	328.5	322.6	319.3	314.1	310.4
37.5°	318.8	316.8	314.6	311.7	309.4	306.1	303.4	298.6	294.8	291.0	286.9
40°	288.9	286.8	283.9	282.5	281.9	279.0	275.2	272.7	270.5	267.1	264.9
42.5°	259.9	258.8	255.8	255.2	254.5	251.9	250.1	247.9	246.5	244.0	242.8
45°	230.2	230.0	229.3	228.6	228.2	226.4	226.0	223.4	222.1	221.6	220.5
47.5°	204.0	203.5	202.4	203.5	201.9	201.7	201.7	201.2	200.6	199.2	198.9
50°	177.3	178.2	178.3	177.8	179.0	178.7	177.8	178.0	178.3	179.1	178.0
52.5°	152.7	153.5	154.7	154.1	155.0	156.0	155.6	157.1	156.5	157.2	158.6
55°	129.3	131.4	132.6	132.1	132.8	133.9	134.3	135.5	136.6	137.9	138.8
57.5°	109.4	109.9	111.7	112.2	112.4	113.3	115.1	117.1	118.3	119.3	120.1
60°	89.6	91.5	92.8	92.8	94.1	95.4	97.1	98.9	100.3	102.5	104.1
62.5°	73.0	73.4	75.2	75.3	76.5	78.6	79.9	82.6	84.4	86.7	88.9
65°	56.9	58.6	59.7	59.9	61.4	63.0	64.8	67.4	69.9	71.9	73.9
67.5°	42.6	43.6	44.9	46.2	46.6	49.0	51.7	54.0	56.2	58.0	60.5
70°	29.8	30.6	32.6	33.2	34.4	36.2	38.3	40.8	43.4	45.9	47.9
72.5°	18.3	19.9	21.2	22.2	23.2	25.3	27.6	29.8	31.9	34.2	36.7
75°	10.2	11.2	12.7	13.7	14.6	16.3	18.4	20.6	22.6	24.5	26.3
77.5°	4.5	5.6	6.9	7.6	8.4	9.7	11.4	13.2	14.8	16.3	17.9
80°	1.8	2.5	3.3	3.8	4.1	5.1	6.3	7.2	8.4	9.6	10.9
82.5°	0.7	1.0	1.3	1.6	1.8	2.3	2.9	3.4	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°	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2
2.5°	539.4	539.3	539.3	539.3	539.3	539.1	539.1	539.1
5°	534.0	533.7	533.5	533.5	532.9	533.0	533.0	532.9
7.5°	524.4	524.1	523.5	523.8	523.7	523.1	523.0	522.8
10°	512.0	511.3	511.0	510.1	509.6	509.5	509.5	508.7
12.5°	497.1	495.2	495.0	494.0	492.8	492.1	492.4	491.4
15°	480.7	477.8	476.4	475.6	474.1	472.9	471.8	471.5
17.5°	460.6	457.4	456.3	455.5	452.5	452.3	450.9	450.3
20°	439.7	436.8	435.1	434.1	431.7	429.5	429.4	429.2
22.5°	419.2	414.6	413.1	411.5	409.0	407.2	406.0	405.2
25°	396.1	392.3	389.7	388.2	386.4	384.9	383.5	383.3
27.5°	373.0	369.3	367.7	366.3	363.9	362.3	360.9	361.6
30°	350.4	346.8	345.0	343.8	341.5	340.7	338.1	338.4
32.5°	328.0	324.7	323.4	321.3	319.1	318.0	317.2	316.4
35°	306.5	303.8	302.0	300.5	298.6	296.8	295.8	295.8
37.5°	284.6	281.9	281.0	280.0	278.2	275.6	274.7	275.4
40°	262.4	260.4	259.5	258.8	257.0	256.1	255.2	255.2
42.5°	241.2	239.2	239.1	238.4	236.9	236.4	235.6	235.1
45°	219.2	218.3	217.6	217.6	217.3	217.2	216.7	216.3
47.5°	198.1	198.2	197.9	197.7	197.9	197.4	198.1	197.6
50°	178.7	178.3	178.7	178.3	178.5	179.3	178.5	179.1
52.5°	158.1	159.7	159.9	159.2	159.9	160.4	160.9	161.7
55°	139.8	140.5	140.8	141.5	141.8	143.0	141.8	141.8
57.5°	122.2	123.1	123.4	124.0	125.4	124.9	125.8	126.5
60°	106.1	107.1	107.9	108.4	108.9	110.2	110.6	110.4
62.5°	90.3	92.0	92.1	93.6	93.9	94.9	95.6	94.9
65°	75.7	77.2	78.3	79.1	80.3	81.1	80.9	81.5
67.5°	62.3	64.2	65.0	65.5	66.8	67.3	68.1	68.6
70°	50.2	51.5	52.6	53.1	54.0	55.1	56.1	56.6
72.5°	38.3	40.3	41.4	41.8	43.2	43.9	44.3	44.8
75°	28.3	30.0	30.6	31.4	32.2	33.8	33.6	34.0
77.5°	19.7	20.7	21.9	21.9	23.2	23.5	24.4	24.5
80°	11.7	13.0	13.5	13.7	14.6	15.2	15.5	15.9
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	3.4	3.4	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)