

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: P843964

Luminaire Tested: **LD6C10DE010B2750 EU6C10B35 6LBDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843964
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 EU6C10B35 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

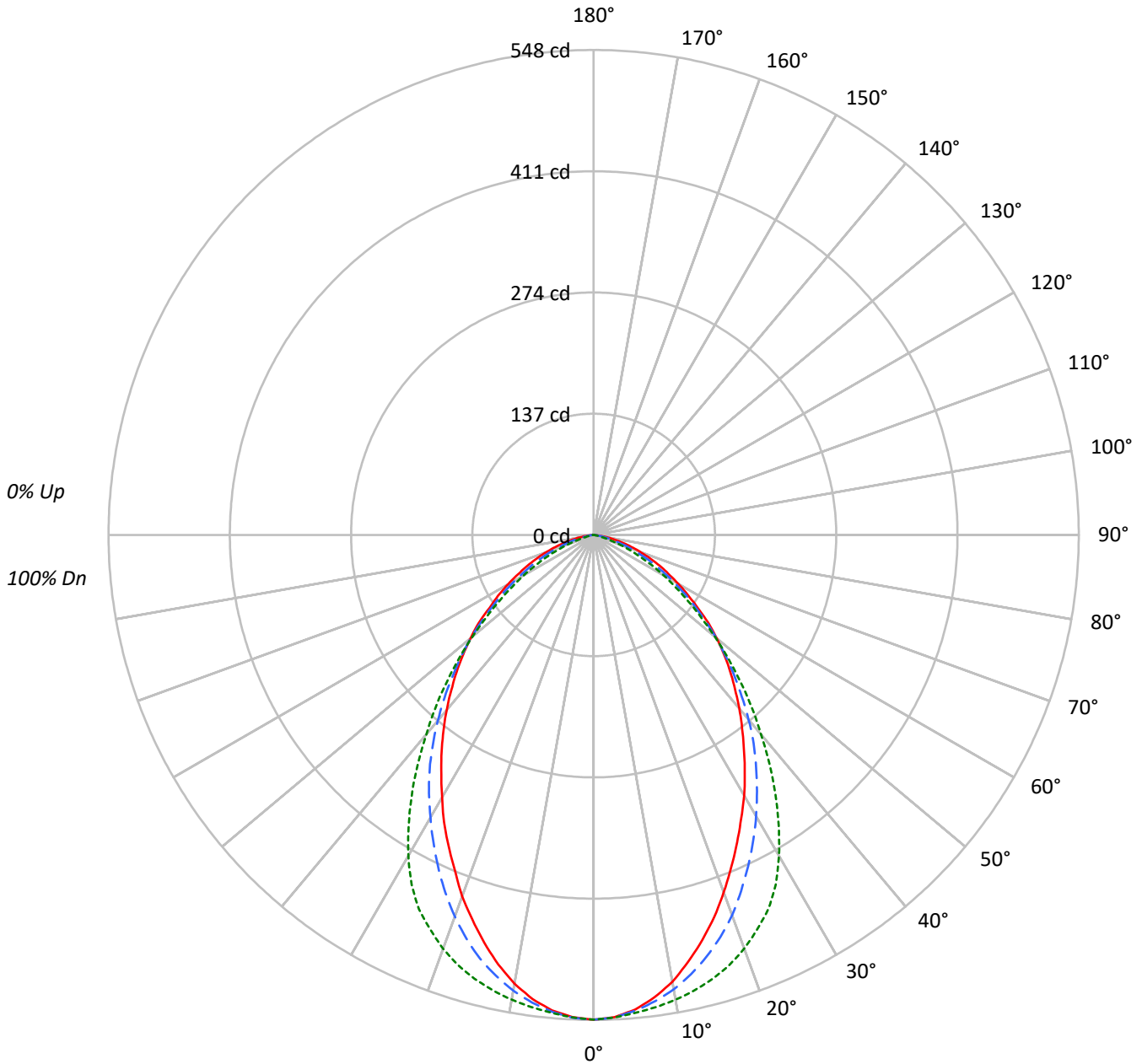
Lumens per Lamp: N/A
Luminaire Lumens: 980.4 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	30025	30025	30025
5°	29628	29837	29677
10°	28540	29687	28662
15°	26901	29478	27077
20°	25068	29018	25342
25°	23185	28236	23457
30°	21529	26510	21687
35°	19809	23972	20037
40°	18306	21032	18485
45°	16916	18180	16971
50°	15471	15232	15462
55°	13667	12444	13715
60°	12071	9988	12258
65°	10637	7420	10702
70°	8928	4664	9168
75°	7074	1970	7286
80°	4735	474	5083
85°	1950	126	2327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	5.2
10°-20°	139.3	14.2
20°-30°	192.3	19.6
30°-40°	202.2	20.6
40°-50°	174.2	17.8
50°-60°	124.0	12.6
60°-70°	69.9	7.1
70°-80°	24.8	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°	382.5	39.0
0°-40°	584.8	59.6
0°-60°	882.9	90.1
0°-90°	980.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	980.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	548	548	548	548	548	
5°	538	540	542	541	539	51
15°	474	493	519	496	477	133
25°	383	413	467	415	388	176
35°	296	320	358	323	299	185
45°	218	224	234	225	219	168
55°	143	138	130	138	144	129
65°	82	70	57	71	82	81
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°	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7
2.5°	545.3	545.5	545.5	545.7	545.5	545.5	545.7	545.7	545.5	545.7	545.7
5°	538.4	538.2	538.4	538.5	539.1	539.1	539.0	539.0	539.5	539.3	539.7
7.5°	527.0	527.0	527.7	528.0	528.0	528.2	528.5	529.2	530.0	530.2	531.5
10°	512.7	513.0	512.7	513.5	514.1	515.0	514.9	516.1	517.4	519.2	521.5
12.5°	493.9	494.5	495.6	495.6	497.3	498.1	497.9	500.9	503.3	505.4	508.4
15°	474.0	473.8	474.8	476.3	477.8	479.1	479.7	483.6	485.9	489.6	493.2
17.5°	452.7	452.0	453.5	454.5	457.2	458.8	460.0	463.2	467.1	471.5	476.4
20°	429.7	430.7	431.1	432.4	436.0	437.2	439.1	442.7	446.6	451.7	457.4
22.5°	406.3	407.6	408.4	410.0	412.9	414.1	415.9	421.1	425.4	429.9	435.2
25°	383.3	384.8	386.0	388.0	390.1	391.7	394.1	397.8	402.5	406.8	412.8
27.5°	360.9	362.1	362.5	364.9	367.2	369.4	370.7	375.0	379.1	384.2	390.1
30°	340.1	339.4	340.3	342.4	345.1	346.6	348.7	351.7	356.1	361.0	367.0
32.5°	317.5	317.5	319.0	321.3	323.5	324.6	325.3	329.3	333.8	338.5	343.4
35°	296.0	296.8	298.0	299.5	302.0	302.8	304.5	307.5	310.9	316.2	319.8
37.5°	275.4	275.9	277.2	278.7	280.5	282.4	283.1	286.2	288.7	293.2	296.7
40°	255.8	256.1	257.5	258.1	259.6	260.4	261.9	263.6	267.2	269.1	272.3
42.5°	236.1	237.0	237.5	238.8	239.0	240.5	241.2	241.8	244.7	245.8	247.6
45°	218.2	218.2	218.7	218.7	219.7	219.1	220.2	221.3	221.5	223.3	224.4
47.5°	199.5	198.9	199.7	199.5	199.4	199.4	199.7	199.9	200.4	201.7	202.2
50°	181.4	180.1	180.1	179.9	179.8	180.3	180.3	180.1	180.1	180.6	180.1
52.5°	163.0	162.6	161.7	161.0	160.5	160.5	160.5	159.8	159.8	159.5	158.2
55°	143.0	143.5	143.2	142.8	142.7	142.1	142.1	141.2	139.7	139.0	138.2
57.5°	125.9	126.6	126.6	125.9	124.9	124.6	123.6	123.1	121.8	120.6	119.1
60°	110.1	111.1	109.7	109.1	109.0	108.4	108.1	106.1	104.8	103.5	101.9
62.5°	95.1	95.5	94.6	94.0	93.5	92.9	92.8	91.1	88.8	87.3	85.2
65°	82.0	81.3	81.0	80.1	79.2	78.5	78.5	76.3	74.2	72.2	70.2
67.5°	68.2	68.5	68.0	67.3	65.8	65.2	64.0	62.5	60.7	58.7	56.4
70°	55.7	55.6	55.0	54.4	53.4	52.1	51.2	50.4	47.9	45.6	43.6
72.5°	44.4	44.2	43.7	42.8	41.6	40.9	40.2	38.4	36.4	34.4	32.2
75°	33.4	33.6	32.8	32.4	30.9	30.4	30.1	28.0	26.3	24.5	22.5
77.5°	24.0	24.0	23.1	22.3	21.6	21.3	20.5	19.2	17.9	16.1	14.5
80°	15.0	15.0	15.0	14.3	13.5	13.1	12.6	11.7	10.5	9.3	8.2
82.5°	8.0	8.0	7.7	7.5	7.1	6.8	6.6	6.2	5.3	4.8	4.0
85°	3.1	3.1	3.0	3.0	2.5	2.5	2.3	2.2	1.8	1.7	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°	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7
2.5°	545.8	545.8	545.7	545.8	545.8	545.8	545.8	545.8	545.8	545.8	546.1
5°	540.0	540.6	540.8	541.0	541.3	541.5	541.7	541.8	542.0	542.2	542.2
7.5°	532.5	533.8	534.7	535.7	536.0	536.4	537.0	537.7	538.2	538.2	538.0
10°	523.6	525.2	527.0	528.7	529.2	530.2	531.0	532.2	533.0	533.3	533.3
12.5°	511.9	513.7	517.0	519.7	520.9	522.2	524.0	525.6	526.5	527.0	526.9
15°	497.3	501.1	505.7	508.7	510.2	512.4	515.4	517.2	518.7	519.4	519.0
17.5°	481.3	486.3	491.2	495.4	497.4	499.6	503.6	506.9	509.1	509.7	509.4
20°	463.2	468.7	474.0	479.3	482.1	484.6	488.8	493.1	496.7	497.4	496.9
22.5°	441.7	447.9	454.3	460.3	463.5	465.8	471.8	476.6	480.8	482.6	481.3
25°	419.4	425.9	432.7	438.0	441.5	445.5	451.0	456.5	461.6	466.8	462.2
27.5°	395.6	401.6	408.8	416.1	419.4	422.3	427.9	434.9	440.2	445.5	440.2
30°	371.8	379.5	385.8	392.3	396.0	399.4	405.1	410.8	415.9	418.8	415.5
32.5°	349.4	355.2	361.6	367.7	370.3	373.0	377.8	383.2	388.0	389.0	386.8
35°	326.1	331.0	336.3	340.3	343.4	346.4	350.6	353.9	355.2	358.2	356.1
37.5°	299.5	304.0	308.7	311.6	314.3	316.8	319.8	322.8	323.8	326.3	324.6
40°	274.5	278.2	280.9	284.0	285.5	287.9	289.2	291.5	292.8	293.9	294.0
42.5°	250.3	252.4	254.4	256.6	257.1	257.6	260.8	262.4	263.7	264.4	263.4
45°	225.7	227.7	228.4	230.0	231.0	231.3	232.6	232.8	233.2	234.5	233.9
47.5°	203.2	203.4	203.9	204.7	205.0	205.0	205.7	205.0	205.4	205.6	205.9
50°	179.6	180.9	179.6	180.3	180.5	180.3	179.8	179.4	178.8	178.6	178.5
52.5°	157.3	157.5	156.7	156.2	155.6	155.8	154.3	153.6	153.8	152.7	154.0
55°	137.0	136.2	134.6	134.0	132.7	132.6	132.4	131.5	130.0	130.2	130.6
57.5°	117.4	116.1	114.4	113.6	113.2	111.8	111.6	110.1	109.1	109.0	109.0
60°	99.6	98.6	96.9	95.3	94.0	93.3	92.3	90.9	91.3	91.1	90.1
62.5°	82.8	81.5	79.2	77.3	76.7	76.0	74.8	73.7	73.2	73.7	73.2
65°	67.9	65.8	63.1	61.2	61.1	60.4	58.9	58.2	57.6	57.2	57.7
67.5°	53.9	51.2	49.6	47.2	46.1	45.7	43.7	42.6	42.8	42.6	42.8
70°	41.1	38.4	36.2	34.4	32.9	32.4	31.3	29.8	29.6	29.1	29.8
72.5°	29.8	27.4	25.4	23.4	22.1	21.4	19.9	18.5	18.1	17.8	17.8
75°	20.5	18.5	16.3	14.5	13.5	12.8	11.3	10.3	9.3	9.3	9.3
77.5°	12.8	11.1	9.5	8.2	7.7	7.0	5.7	4.5	4.2	3.7	3.8
80°	7.3	6.0	5.1	4.2	3.7	3.3	2.5	2.0	1.5	1.5	1.5
82.5°	3.5	3.0	2.2	1.8	1.7	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°	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7
2.5°	545.8	546.1	545.8	546.1	545.8	546.3	546.3	546.1	546.1	546.1	545.8
5°	542.0	542.0	541.8	541.8	541.8	541.7	541.2	541.2	540.8	540.6	540.2
7.5°	537.8	537.5	537.0	536.7	536.2	535.7	534.5	533.7	532.9	532.0	531.0
10°	532.7	531.8	530.7	530.0	529.7	528.3	526.7	524.5	523.0	521.4	519.5
12.5°	526.2	525.0	523.0	521.5	520.7	518.2	515.9	513.2	510.2	507.3	505.4
15°	517.5	515.7	513.2	511.7	510.1	506.7	502.6	498.7	495.8	492.5	488.1
17.5°	507.5	504.7	501.3	498.9	496.9	492.5	487.6	482.6	478.3	474.2	469.8
20°	493.6	490.3	486.1	483.0	481.0	475.3	470.0	464.2	458.8	454.0	449.0
22.5°	477.3	471.8	467.6	464.0	461.8	455.4	449.5	443.3	437.6	433.4	427.9
25°	456.8	451.5	446.2	443.3	439.9	433.1	427.1	420.6	415.3	410.0	404.9
27.5°	435.1	428.9	422.9	419.6	416.4	409.8	403.8	398.0	392.0	386.0	381.5
30°	411.3	405.1	400.5	396.1	392.6	387.3	379.8	374.0	368.7	363.4	358.6
32.5°	384.8	379.7	374.2	372.0	369.4	363.0	357.2	351.5	346.2	340.9	335.9
35°	354.1	350.1	346.7	344.4	342.7	337.1	332.5	326.5	323.1	317.8	314.2
37.5°	322.6	320.6	318.3	315.5	313.1	309.8	307.0	302.2	298.3	294.4	290.4
40°	292.4	290.2	287.3	285.9	285.2	282.4	278.5	275.9	273.8	270.3	268.1
42.5°	262.9	261.9	258.9	258.3	257.5	254.9	253.1	250.9	249.5	246.9	245.8
45°	233.0	232.8	232.0	231.3	231.0	229.2	228.8	226.0	224.7	224.2	223.2
47.5°	206.5	205.9	204.9	205.9	204.2	204.1	204.1	203.6	203.0	201.6	201.4
50°	179.4	180.3	180.5	179.9	181.1	180.9	179.9	180.1	180.5	181.3	180.1
52.5°	154.5	155.3	156.5	156.0	157.0	157.8	157.5	159.0	158.3	159.1	160.5
55°	130.9	132.9	134.2	133.7	134.4	135.5	135.9	137.2	138.2	139.5	140.5
57.5°	110.6	111.2	113.1	113.6	113.8	114.6	116.4	118.5	119.8	120.7	121.6
60°	90.7	92.5	93.8	93.8	95.3	96.6	98.3	100.1	101.5	103.6	105.3
62.5°	73.9	74.2	76.0	76.3	77.3	79.5	80.8	83.6	85.5	87.8	90.0
65°	57.6	59.2	60.4	60.5	62.2	63.8	65.7	68.2	70.8	72.8	74.8
67.5°	43.2	44.1	45.6	46.9	47.2	49.6	52.4	54.7	56.9	58.7	61.2
70°	30.1	30.9	32.9	33.6	34.8	36.6	38.8	41.4	43.9	46.4	48.4
72.5°	18.5	20.1	21.4	22.5	23.4	25.6	28.0	30.1	32.4	34.6	37.1
75°	10.3	11.3	12.8	13.9	14.8	16.5	18.6	20.8	22.8	24.9	26.7
77.5°	4.5	5.7	7.0	7.7	8.5	9.8	11.5	13.3	15.0	16.5	18.1
80°	1.8	2.5	3.3	3.8	4.2	5.1	6.5	7.3	8.5	9.7	11.0
82.5°	0.7	1.0	1.3	1.7	1.8	2.3	3.0	3.5	4.3	5.0	5.7
85°	0.2	0.2	0.3	0.3	0.5	0.7	1.0	1.3	1.5	1.7	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°	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7
2.5°	545.8	545.7	545.7	545.7	545.7	545.5	545.5	545.5
5°	540.5	540.0	539.8	539.8	539.3	539.5	539.5	539.3
7.5°	530.7	530.3	529.8	530.2	530.0	529.5	529.2	529.0
10°	518.1	517.4	517.2	516.2	515.7	515.5	515.5	514.9
12.5°	503.1	501.1	500.9	499.9	498.7	497.9	498.4	497.3
15°	486.5	483.6	482.1	481.3	479.8	478.6	477.5	477.1
17.5°	466.2	462.8	461.8	461.0	458.0	457.7	456.3	455.7
20°	444.9	442.0	440.4	439.2	436.9	434.7	434.5	434.4
22.5°	424.3	419.6	418.1	416.4	413.9	412.1	410.9	410.0
25°	400.8	397.0	394.5	392.8	391.0	389.5	388.0	387.8
27.5°	377.5	373.8	372.2	370.7	368.3	366.7	365.2	365.9
30°	354.6	350.9	349.1	348.1	345.6	344.7	342.1	342.6
32.5°	331.9	328.6	327.3	325.1	323.0	321.8	321.0	320.3
35°	310.2	307.5	305.6	304.2	302.2	300.3	299.4	299.4
37.5°	288.0	285.2	284.4	283.2	281.4	278.9	277.9	278.7
40°	265.6	263.6	262.6	261.9	260.1	259.1	258.3	258.3
42.5°	244.1	242.1	242.0	241.2	239.8	239.2	238.5	238.0
45°	221.8	220.9	220.2	220.2	220.0	219.8	219.2	218.9
47.5°	200.4	200.6	200.2	200.1	200.2	199.7	200.4	199.9
50°	180.9	180.5	180.9	180.5	180.6	181.4	180.6	181.3
52.5°	160.0	161.7	161.8	161.1	161.8	162.3	162.8	163.7
55°	141.5	142.1	142.5	143.2	143.5	144.7	143.5	143.5
57.5°	123.6	124.6	124.9	125.4	126.9	126.4	127.2	128.0
60°	107.3	108.4	109.1	109.7	110.3	111.6	111.9	111.8
62.5°	91.5	93.1	93.3	94.8	95.1	96.0	96.8	96.0
65°	76.7	78.1	79.2	80.1	81.2	82.1	82.0	82.5
67.5°	63.1	64.9	65.8	66.2	67.7	68.0	69.0	69.5
70°	50.9	52.1	53.2	53.7	54.7	55.7	56.7	57.2
72.5°	38.8	40.8	41.9	42.2	43.7	44.4	44.8	45.4
75°	28.7	30.4	30.9	31.8	32.6	34.2	34.1	34.4
77.5°	19.9	21.0	22.1	22.1	23.4	23.8	24.6	24.9
80°	11.8	13.1	13.7	13.9	14.8	15.3	15.8	16.1
82.5°	6.2	7.1	7.1	7.5	8.2	8.2	8.5	8.8
85°	2.3	2.7	3.0	3.0	3.1	3.5	3.5	3.7
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)