

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: P843947

Luminaire Tested: **LD6C10DE010B2750 EU6C10B30 6LBDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843947
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 EU6C10B30 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

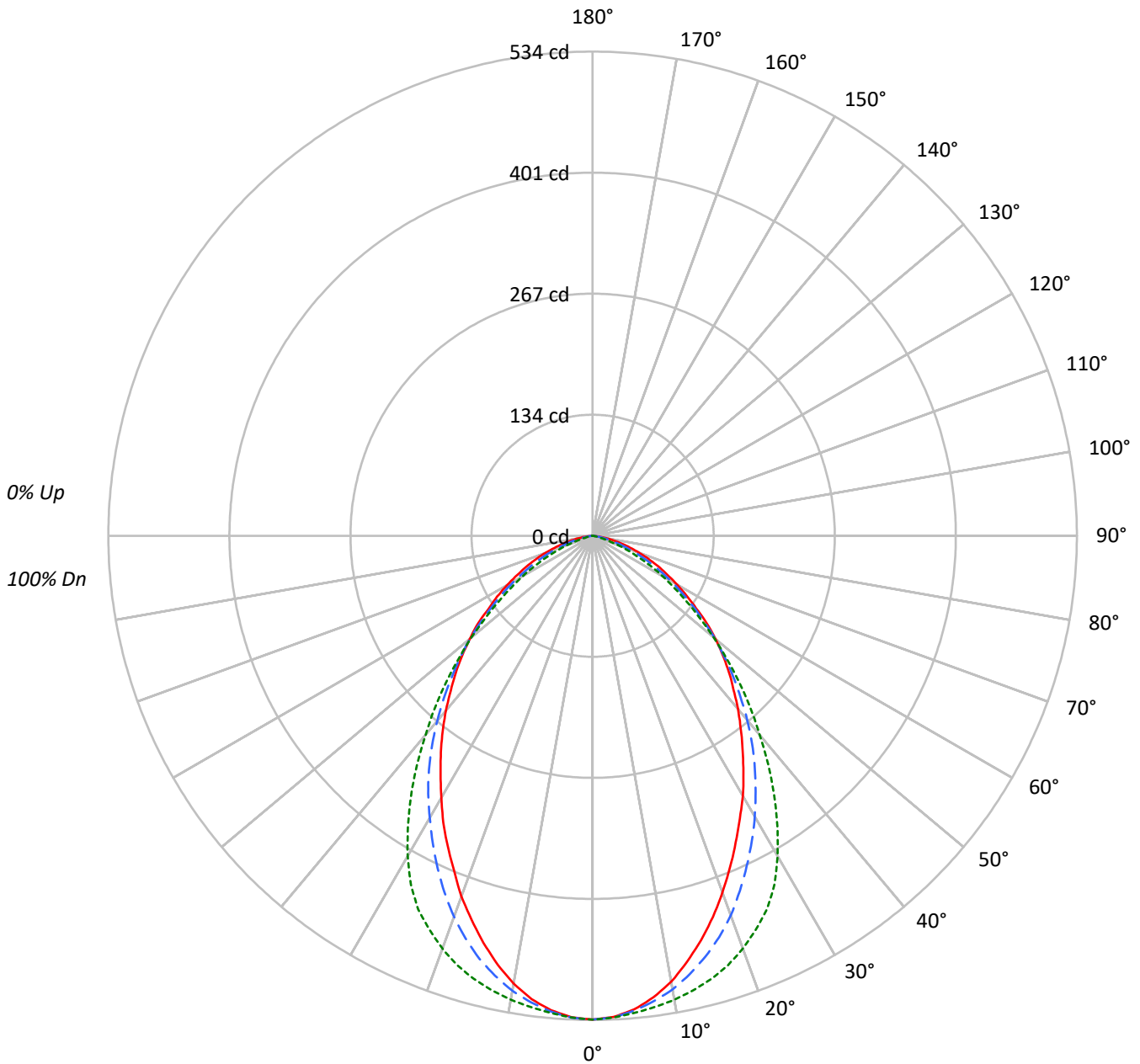
Lumens per Lamp: N/A
Luminaire Lumens: 955.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	29252	29252	29252
5°	28863	29067	28907
10°	27805	28918	27911
15°	26209	28718	26379
20°	24420	28265	24683
25°	22580	27510	22858
30°	20978	25820	21124
35°	19301	23356	19515
40°	17833	20488	17998
45°	16475	17700	16529
50°	15070	14848	15053
55°	13314	12119	13362
60°	11753	9725	11929
65°	10364	7225	10429
70°	8719	4536	8928
75°	6905	1927	7096
80°	4609	442	4956
85°	1950	126	2264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	5.2
10°-20°	135.7	14.2
20°-30°	187.3	19.6
30°-40°	197.0	20.6
40°-50°	169.7	17.8
50°-60°	120.8	12.6
60°-70°	68.1	7.1
70°-80°	24.1	2.5
80°-90°	2.7	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°	372.6	39.0
0°-40°	569.6	59.6
0°-60°	860.1	90.1
0°-90°	955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	955.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	534	534	534	534	534	
5°	524	526	528	527	525	49
15°	462	480	506	483	465	129
25°	373	402	455	404	378	172
35°	288	312	349	315	292	181
45°	212	219	228	219	213	164
55°	139	135	127	135	140	126
65°	80	68	56	69	80	79
75°	33	22	9	22	34	35
85°	3	1	0	1	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°	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6
2.5°	531.2	531.4	531.4	531.6	531.4	531.4	531.6	531.6	531.4	531.6	531.6
5°	524.5	524.3	524.5	524.6	525.2	525.2	525.0	525.0	525.5	525.3	525.7
7.5°	513.4	513.4	513.9	514.3	514.3	514.4	514.9	515.6	516.2	516.4	517.7
10°	499.5	499.7	499.5	500.3	500.8	501.6	501.4	502.7	504.0	505.8	508.1
12.5°	481.1	481.8	482.8	482.8	484.4	485.2	485.1	487.9	490.2	492.4	495.3
15°	461.8	461.6	462.5	463.9	465.5	466.7	467.3	471.0	473.3	476.9	480.5
17.5°	440.9	440.4	441.8	442.7	445.4	447.0	448.0	451.3	455.0	459.2	464.1
20°	418.6	419.6	419.9	421.1	424.7	425.9	427.7	431.3	435.0	440.0	445.6
22.5°	395.9	397.0	397.8	399.4	402.2	403.3	405.1	410.3	414.4	418.8	424.0
25°	373.3	374.8	376.1	378.0	380.0	381.6	383.9	387.5	392.1	396.2	402.1
27.5°	351.5	352.7	353.0	355.4	357.7	359.8	361.1	365.4	369.3	374.3	380.0
30°	331.4	330.6	331.6	333.5	336.1	337.6	339.7	342.6	346.8	351.7	357.6
32.5°	309.3	309.3	310.7	313.0	315.2	316.2	316.9	320.9	325.1	329.8	334.5
35°	288.4	289.2	290.4	291.8	294.1	295.0	296.6	299.4	302.8	308.0	311.6
37.5°	268.3	268.9	270.1	271.5	273.3	275.1	275.7	278.8	281.3	285.6	288.9
40°	249.2	249.4	250.9	251.4	253.0	253.7	255.1	256.7	260.3	262.1	265.3
42.5°	230.0	230.9	231.4	232.7	232.8	234.3	235.0	235.5	238.4	239.4	241.2
45°	212.5	212.5	213.1	213.1	214.0	213.4	214.5	215.5	215.8	217.6	218.6
47.5°	194.4	193.9	194.5	194.4	194.2	194.2	194.5	194.7	195.2	196.5	197.0
50°	176.7	175.5	175.5	175.2	175.1	175.7	175.7	175.5	175.5	176.0	175.5
52.5°	158.8	158.3	157.5	156.7	156.4	156.4	156.4	155.7	155.7	155.4	154.1
55°	139.3	139.8	139.5	139.1	139.0	138.4	138.4	137.5	136.1	135.4	134.6
57.5°	122.6	123.3	123.3	122.6	121.6	121.3	120.5	119.9	118.7	117.4	116.0
60°	107.2	108.1	106.9	106.4	106.2	105.7	105.2	103.3	102.1	100.8	99.2
62.5°	92.6	93.0	92.1	91.6	91.1	90.5	90.3	88.7	86.6	84.9	83.0
65°	79.9	79.3	78.9	78.1	77.1	76.5	76.5	74.2	72.3	70.3	68.4
67.5°	66.4	66.8	66.3	65.6	64.1	63.5	62.4	60.9	59.1	57.2	54.9
70°	54.4	54.2	53.6	52.9	52.0	50.8	49.9	49.2	46.6	44.3	42.4
72.5°	43.3	43.2	42.6	41.7	40.4	39.9	39.2	37.4	35.4	33.5	31.3
75°	32.6	32.8	31.9	31.5	30.1	29.6	29.4	27.3	25.7	23.9	21.9
77.5°	23.4	23.4	22.4	21.7	21.0	20.6	20.0	18.7	17.5	15.7	14.1
80°	14.6	14.6	14.6	13.9	13.2	12.8	12.3	11.4	10.2	9.1	8.0
82.5°	7.8	7.8	7.5	7.3	7.0	6.6	6.5	6.0	5.2	4.7	3.9
85°	3.1	3.1	2.9	2.9	2.5	2.5	2.3	2.1	1.8	1.6	1.4
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°	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6
2.5°	531.8	531.8	531.6	531.8	531.8	531.8	531.8	531.8	531.8	531.8	532.0
5°	526.1	526.6	526.8	526.9	527.3	527.4	527.7	527.9	528.0	528.2	528.2
7.5°	518.8	520.0	520.9	521.8	522.2	522.5	523.0	523.7	524.3	524.3	524.1
10°	510.0	511.7	513.4	515.1	515.6	516.4	517.3	518.5	519.3	519.5	519.5
12.5°	498.7	500.4	503.6	506.3	507.3	508.6	510.4	512.0	512.8	513.4	513.3
15°	484.4	488.1	492.5	495.6	497.0	499.2	502.1	503.8	505.2	506.0	505.5
17.5°	468.8	473.7	478.5	482.6	484.5	486.7	490.6	493.8	495.9	496.5	496.1
20°	451.3	456.6	461.8	466.9	469.6	472.1	476.1	480.3	483.9	484.5	484.0
22.5°	430.2	436.3	442.5	448.4	451.4	453.7	459.6	464.2	468.3	470.1	468.8
25°	408.5	414.9	421.5	426.6	430.0	433.9	439.3	444.6	449.6	454.8	450.1
27.5°	385.3	391.2	398.2	405.3	408.5	411.3	416.8	423.6	428.8	433.9	428.8
30°	362.1	369.6	375.9	382.1	385.7	389.1	394.6	400.1	405.1	407.9	404.8
32.5°	340.5	346.0	352.2	358.2	360.8	363.4	368.1	373.2	378.0	379.0	376.7
35°	317.6	322.5	327.7	331.6	334.5	337.4	341.5	344.7	346.0	349.0	346.8
37.5°	291.8	296.0	300.7	303.5	306.2	308.5	311.6	314.4	315.5	317.8	316.2
40°	267.4	271.0	273.6	276.7	278.1	280.4	281.6	284.0	285.2	286.3	286.4
42.5°	243.9	245.8	247.8	249.9	250.4	251.0	254.0	255.6	256.9	257.6	256.5
45°	219.9	221.8	222.5	224.1	225.0	225.4	226.7	226.8	227.2	228.3	227.8
47.5°	197.9	198.1	198.6	199.4	199.7	199.7	200.4	199.7	200.1	200.2	200.6
50°	174.9	176.2	174.9	175.7	175.8	175.7	175.1	174.7	174.2	174.1	173.9
52.5°	153.3	153.4	152.7	152.1	151.6	151.8	150.4	149.7	149.9	148.7	150.0
55°	133.5	132.7	131.1	130.6	129.3	129.1	128.9	128.1	126.7	126.8	127.2
57.5°	114.3	113.2	111.5	110.6	110.3	108.8	108.6	107.2	106.4	106.2	106.2
60°	97.1	96.0	94.4	92.9	91.6	90.9	90.0	88.5	88.8	88.7	87.8
62.5°	80.7	79.4	77.1	75.3	74.7	74.1	72.9	71.8	71.3	71.8	71.3
65°	66.1	64.1	61.4	59.7	59.5	58.8	57.3	56.7	56.2	55.7	56.3
67.5°	52.6	49.9	48.2	46.0	44.8	44.5	42.6	41.5	41.7	41.5	41.7
70°	40.1	37.4	35.3	33.5	32.0	31.5	30.5	29.1	28.9	28.3	29.1
72.5°	29.1	26.8	24.7	22.8	21.6	20.8	19.5	18.0	17.7	17.2	17.2
75°	20.0	18.0	15.9	14.1	13.2	12.5	11.0	9.9	9.1	9.1	9.1
77.5°	12.5	10.9	9.3	8.0	7.5	6.8	5.5	4.4	4.1	3.6	3.7
80°	7.1	5.9	5.0	4.1	3.6	3.2	2.5	2.0	1.4	1.4	1.4
82.5°	3.4	2.9	2.1	1.8	1.6	1.3	0.8	0.7	0.5	0.3	0.3
85°	1.1	0.8	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°	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6
2.5°	531.8	532.0	531.8	532.0	531.8	532.1	532.1	532.0	532.0	532.0	531.8
5°	528.0	528.0	527.9	527.9	527.9	527.7	527.1	527.1	526.8	526.6	526.3
7.5°	524.0	523.5	523.0	522.9	522.4	521.8	520.7	519.8	519.1	518.2	517.3
10°	519.0	518.0	517.0	516.2	515.9	514.6	513.1	510.9	509.5	507.9	506.1
12.5°	512.5	511.5	509.5	508.1	507.1	504.8	502.6	499.8	497.0	494.1	492.4
15°	504.2	502.4	499.8	498.5	496.9	493.6	489.6	485.8	482.9	479.7	475.5
17.5°	494.3	491.7	488.3	486.0	484.0	479.7	475.0	470.1	465.9	462.0	457.6
20°	480.8	477.6	473.5	470.4	468.5	463.0	457.8	452.1	447.0	442.3	437.3
22.5°	464.9	459.6	455.5	451.9	449.8	443.6	437.9	431.8	426.3	422.2	416.8
25°	445.1	439.9	434.7	431.8	428.4	421.9	416.0	409.7	404.5	399.4	394.4
27.5°	423.8	417.8	412.1	408.7	405.6	399.3	393.3	387.6	381.8	376.1	371.7
30°	400.6	394.6	390.2	385.8	382.4	377.3	370.0	364.4	359.2	354.0	349.3
32.5°	374.8	369.9	364.5	362.3	359.8	353.6	348.0	342.4	337.3	332.1	327.2
35°	344.9	341.0	337.8	335.5	333.9	328.3	323.8	318.0	314.8	309.6	306.1
37.5°	314.2	312.3	310.1	307.3	305.0	301.7	299.1	294.3	290.5	286.8	282.9
40°	284.8	282.7	279.8	278.5	277.9	275.1	271.3	268.9	266.6	263.2	261.1
42.5°	256.2	255.1	252.2	251.5	250.9	248.3	246.5	244.4	242.9	240.5	239.4
45°	227.0	226.8	226.0	225.4	225.0	223.3	222.8	220.2	218.9	218.4	217.3
47.5°	201.2	200.6	199.5	200.6	198.9	198.8	198.8	198.3	197.8	196.3	196.1
50°	174.7	175.7	175.8	175.2	176.4	176.2	175.2	175.5	175.8	176.5	175.5
52.5°	150.5	151.2	152.5	152.0	152.8	153.8	153.4	154.8	154.3	154.9	156.4
55°	127.6	129.6	130.7	130.2	130.9	132.0	132.3	133.6	134.6	135.9	136.9
57.5°	107.8	108.3	110.1	110.6	110.8	111.7	113.5	115.4	116.7	117.6	118.5
60°	88.3	90.1	91.4	91.4	92.9	94.0	95.7	97.4	98.9	101.0	102.6
62.5°	71.9	72.3	74.1	74.2	75.3	77.5	78.7	81.4	83.2	85.5	87.7
65°	56.2	57.7	58.8	59.0	60.6	62.2	64.0	66.4	69.0	70.9	72.9
67.5°	42.1	42.9	44.3	45.6	46.0	48.2	51.0	53.3	55.4	57.2	59.7
70°	29.4	30.1	32.0	32.8	33.8	35.6	37.8	40.3	42.7	45.3	47.2
72.5°	18.0	19.6	20.8	21.9	22.8	25.0	27.3	29.4	31.5	33.6	36.2
75°	9.9	11.0	12.5	13.5	14.4	16.1	18.2	20.3	22.3	24.2	26.0
77.5°	4.4	5.5	6.8	7.5	8.1	9.6	11.2	13.0	14.6	16.1	17.7
80°	1.8	2.5	3.2	3.7	4.1	5.0	6.2	7.1	8.1	9.4	10.7
82.5°	0.7	0.8	1.3	1.6	1.8	2.3	2.9	3.4	4.2	4.8	5.5
85°	0.2	0.2	0.3	0.3	0.5	0.7	0.8	1.3	1.4	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°	533.6	533.6	533.6	533.6	533.6	533.6	533.6	533.6
2.5°	531.8	531.6	531.6	531.6	531.6	531.4	531.4	531.4
5°	526.4	526.1	525.9	525.9	525.3	525.5	525.5	525.3
7.5°	517.0	516.7	516.1	516.4	516.2	515.7	515.6	515.4
10°	504.7	504.0	503.8	502.9	502.4	502.2	502.2	501.4
12.5°	490.1	488.1	487.9	487.0	485.8	485.1	485.5	484.4
15°	473.8	471.0	469.6	468.8	467.5	466.2	465.1	464.8
17.5°	454.0	450.9	449.8	449.1	446.1	445.9	444.4	443.9
20°	433.4	430.6	429.0	427.9	425.6	423.5	423.3	423.1
22.5°	413.3	408.7	407.2	405.6	403.2	401.4	400.3	399.4
25°	390.5	386.8	384.2	382.7	380.9	379.5	378.0	377.9
27.5°	367.7	364.1	362.6	361.1	358.7	357.2	355.8	356.4
30°	345.4	341.8	340.0	339.0	336.6	335.8	333.3	333.7
32.5°	323.3	320.1	318.9	316.8	314.6	313.5	312.6	311.9
35°	302.2	299.4	297.7	296.2	294.3	292.5	291.6	291.6
37.5°	280.6	277.9	277.0	275.9	274.1	271.7	270.8	271.5
40°	258.7	256.7	255.8	255.1	253.3	252.5	251.5	251.5
42.5°	237.9	235.9	235.6	235.0	233.5	233.0	232.3	231.7
45°	216.1	215.2	214.5	214.5	214.3	214.2	213.6	213.2
47.5°	195.2	195.5	195.0	194.9	195.0	194.5	195.2	194.7
50°	176.2	175.8	176.2	175.8	176.0	176.7	176.0	176.5
52.5°	155.9	157.5	157.7	157.0	157.7	158.2	158.5	159.5
55°	137.9	138.4	138.8	139.5	139.8	140.9	139.8	139.8
57.5°	120.5	121.3	121.6	122.2	123.6	123.1	124.0	124.7
60°	104.6	105.7	106.4	106.9	107.5	108.6	109.0	108.8
62.5°	89.1	90.6	90.9	92.3	92.6	93.5	94.2	93.5
65°	74.7	76.0	77.1	78.1	79.1	80.0	79.9	80.4
67.5°	61.4	63.2	64.1	64.5	65.9	66.3	67.2	67.7
70°	49.5	50.8	51.8	52.4	53.3	54.4	55.2	55.7
72.5°	37.8	39.8	40.8	41.1	42.6	43.3	43.7	44.2
75°	27.9	29.6	30.1	31.0	31.7	33.3	33.1	33.5
77.5°	19.5	20.5	21.6	21.6	22.8	23.2	24.0	24.2
80°	11.5	12.8	13.3	13.5	14.4	14.9	15.3	15.7
82.5°	6.0	7.0	7.0	7.3	8.0	8.0	8.1	8.6
85°	2.3	2.6	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)