

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: P843998

Luminaire Tested: **LD6C10DE010B50 EU6C10B50 6LBLDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843998
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: LD6C10DE010B50 EU6C10B50 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

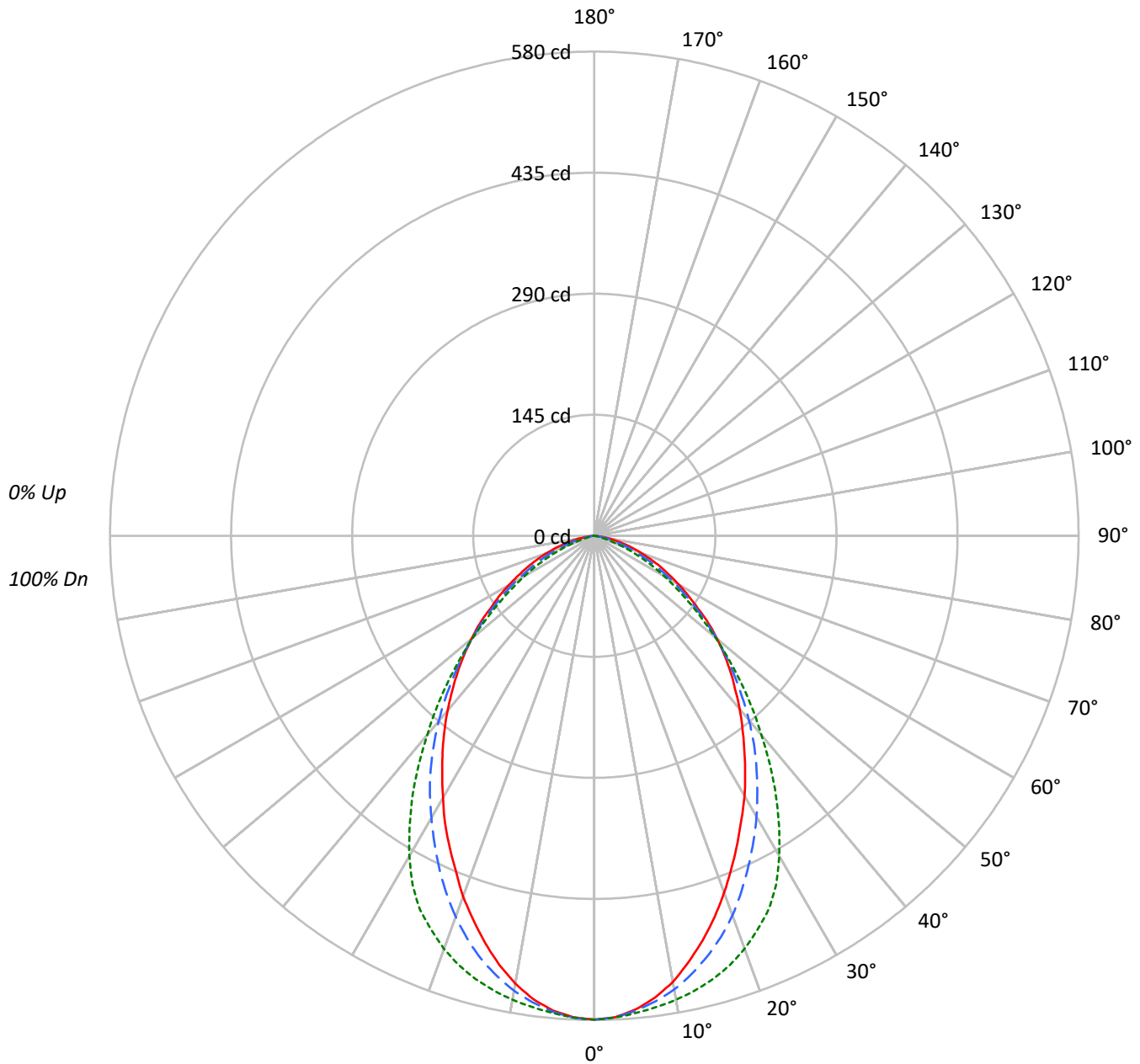
Lumens per Lamp: N/A
Luminaire Lumens: 1037.5 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	31774	31774	31774
5°	31350	31581	31405
10°	30210	31418	30327
15°	28468	31198	28655
20°	26532	30709	26812
25°	24534	29887	24830
30°	22788	28049	22947
35°	20974	25377	21201
40°	19379	22263	19558
45°	17901	19235	17955
50°	16375	16127	16349
55°	14461	13170	14518
60°	12784	10569	12959
65°	11246	7861	11324
70°	9457	4937	9713
75°	7498	2076	7710
80°	5020	505	5367
85°	2076	126	2453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	5.2
10°-20°	147.4	14.2
20°-30°	203.5	19.6
30°-40°	214.0	20.6
40°-50°	184.3	17.8
50°-60°	131.2	12.6
60°-70°	74.0	7.1
70°-80°	26.2	2.5
80°-90°	2.9	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°	404.8	39.0
0°-40°	618.9	59.6
0°-60°	934.4	90.1
0°-90°	1037.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1037.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	580	580	580	580	580	
5°	570	571	574	572	571	54
15°	502	522	550	525	505	141
25°	406	437	494	440	410	187
35°	313	338	379	342	317	196
45°	231	237	248	238	232	178
55°	151	146	138	146	152	136
65°	87	74	61	75	87	86
75°	35	24	10	24	36	38
85°	3	2	0	2	4	6
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°	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6
2.5°	577.2	577.3	577.3	577.5	577.3	577.3	577.5	577.5	577.3	577.5	577.5
5°	569.7	569.5	569.7	570.0	570.5	570.5	570.4	570.4	570.9	570.7	571.1
7.5°	557.8	557.8	558.3	558.7	558.7	559.0	559.3	560.1	560.9	561.1	562.4
10°	542.7	542.9	542.7	543.4	544.0	545.0	544.8	546.2	547.5	549.4	552.0
12.5°	522.7	523.3	524.5	524.5	526.2	527.2	527.0	530.1	532.6	535.0	538.0
15°	501.6	501.4	502.4	504.0	505.7	507.0	507.7	511.7	514.2	518.1	521.9
17.5°	479.0	478.4	480.0	480.9	483.9	485.6	486.7	490.2	494.2	498.9	504.2
20°	454.8	455.7	456.2	457.5	461.3	462.7	464.6	468.5	472.7	478.1	484.0
22.5°	430.0	431.4	432.1	433.9	437.0	438.2	440.1	445.7	450.1	455.0	460.6
25°	405.6	407.2	408.6	410.7	412.8	414.6	417.0	420.9	426.0	430.5	436.8
27.5°	381.8	383.2	383.6	386.1	388.6	390.9	392.3	396.9	401.2	406.7	412.8
30°	360.0	359.2	360.1	362.3	365.2	366.8	369.1	372.2	376.8	382.0	388.5
32.5°	336.0	336.0	337.5	340.0	342.4	343.5	344.3	348.6	353.1	358.2	363.4
35°	313.4	314.1	315.5	317.0	319.5	320.5	322.3	325.3	329.0	334.6	338.4
37.5°	291.5	292.0	293.4	295.0	296.9	298.8	299.6	302.9	305.6	310.2	313.9
40°	270.8	271.0	272.4	273.1	274.8	275.6	277.1	278.9	282.7	284.7	288.2
42.5°	249.8	250.9	251.4	252.8	253.0	254.5	255.3	255.8	258.9	260.1	262.1
45°	230.9	230.9	231.5	231.5	232.5	231.8	233.0	234.2	234.4	236.3	237.4
47.5°	211.1	210.6	211.3	211.1	211.0	211.0	211.3	211.5	212.2	213.4	214.1
50°	192.0	190.6	190.6	190.5	190.3	190.8	190.8	190.6	190.6	191.2	190.6
52.5°	172.4	172.1	171.1	170.3	170.0	170.0	170.0	169.1	169.1	168.8	167.4
55°	151.3	151.9	151.6	151.1	150.9	150.4	150.4	149.4	147.9	147.1	146.3
57.5°	133.2	133.9	133.9	133.2	132.2	131.8	130.8	130.2	128.9	127.6	126.0
60°	116.6	117.5	116.1	115.5	115.4	114.8	114.3	112.2	110.9	109.6	107.8
62.5°	100.7	101.0	100.1	99.5	98.9	98.4	98.1	96.4	94.0	92.3	90.2
65°	86.7	86.1	85.8	84.7	83.8	83.0	83.0	80.7	78.6	76.5	74.4
67.5°	72.2	72.6	72.0	71.2	69.7	68.9	67.7	66.2	64.3	62.1	59.7
70°	59.0	58.8	58.3	57.4	56.5	55.2	54.2	53.4	50.7	48.2	46.1
72.5°	47.1	46.9	46.2	45.3	43.9	43.4	42.6	40.6	38.5	36.4	34.1
75°	35.4	35.6	34.7	34.3	32.7	32.2	31.9	29.6	27.9	25.9	23.8
77.5°	25.4	25.4	24.4	23.6	22.8	22.4	21.7	20.3	18.9	17.0	15.3
80°	15.9	15.9	15.9	15.1	14.3	14.0	13.3	12.4	11.0	9.8	8.7
82.5°	8.6	8.6	8.1	7.9	7.5	7.2	7.0	6.6	5.6	5.1	4.2
85°	3.3	3.3	3.1	3.1	2.7	2.7	2.5	2.3	1.9	1.7	1.6
87.5°	0.4	0.4	0.4	0.4	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°	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6
2.5°	577.7	577.7	577.5	577.7	577.7	577.7	577.7	577.7	577.7	577.7	577.9
5°	571.5	572.1	572.3	572.5	572.8	573.0	573.2	573.4	573.7	573.9	573.9
7.5°	563.6	564.9	565.9	566.9	567.2	567.6	568.2	569.0	569.5	569.5	569.3
10°	554.1	555.8	557.8	559.5	560.1	561.1	562.0	563.2	564.1	564.4	564.4
12.5°	541.7	543.6	547.1	550.0	551.1	552.5	554.5	556.2	557.2	557.8	557.6
15°	526.2	530.3	535.2	538.4	539.9	542.2	545.4	547.3	548.8	549.7	549.2
17.5°	509.4	514.6	519.8	524.3	526.4	528.7	532.9	536.4	538.8	539.4	539.0
20°	490.2	496.0	501.6	507.2	510.2	512.8	517.3	521.7	525.6	526.4	525.9
22.5°	467.4	473.9	480.7	487.1	490.4	493.0	499.3	504.4	508.8	510.7	509.4
25°	443.8	450.8	457.8	463.6	467.2	471.5	477.2	483.0	488.5	494.1	489.0
27.5°	418.6	425.0	432.6	440.3	443.8	446.9	452.9	460.2	465.8	471.5	465.8
30°	393.4	401.6	408.4	415.1	419.0	422.6	428.7	434.7	440.1	443.1	439.7
32.5°	369.9	375.9	382.7	389.2	391.9	394.8	399.8	405.5	410.7	411.6	409.3
35°	345.1	350.3	355.9	360.1	363.4	366.6	371.0	374.5	375.9	379.2	376.8
37.5°	317.0	321.6	326.7	329.8	332.7	335.2	338.4	341.6	342.8	345.2	343.5
40°	290.5	294.3	297.3	300.6	302.1	304.6	306.0	308.5	309.9	311.1	311.2
42.5°	264.9	267.1	269.2	271.5	272.1	272.7	275.9	277.7	279.1	279.8	278.7
45°	238.8	240.9	241.7	243.5	244.4	244.8	246.2	246.3	246.7	248.1	247.5
47.5°	215.0	215.2	215.8	216.6	216.9	216.9	217.8	216.9	217.3	217.6	217.9
50°	190.1	191.4	190.1	190.8	191.0	190.8	190.3	189.8	189.3	189.1	188.9
52.5°	166.5	166.7	165.8	165.3	164.7	164.9	163.3	162.6	162.8	161.6	163.0
55°	145.0	144.2	142.5	141.8	140.5	140.3	140.1	139.2	137.6	137.8	138.2
57.5°	124.3	122.9	121.1	120.1	119.8	118.2	118.0	116.6	115.5	115.4	115.4
60°	105.4	104.3	102.6	100.8	99.5	98.7	97.7	96.1	96.6	96.4	95.4
62.5°	87.7	86.3	83.8	81.9	81.1	80.5	79.1	77.9	77.4	77.9	77.4
65°	71.8	69.7	66.7	64.8	64.6	63.9	62.3	61.6	60.9	60.6	61.1
67.5°	57.1	54.2	52.5	49.9	48.8	48.3	46.2	45.1	45.3	45.1	45.3
70°	43.6	40.6	38.3	36.4	34.8	34.3	33.1	31.5	31.3	30.8	31.5
72.5°	31.5	29.0	26.9	24.7	23.4	22.6	21.0	19.6	19.1	18.7	18.7
75°	21.7	19.6	17.2	15.3	14.3	13.5	12.0	10.8	9.8	9.8	9.8
77.5°	13.5	11.8	10.0	8.7	8.1	7.4	6.0	4.9	4.4	3.9	4.0
80°	7.7	6.3	5.4	4.4	3.9	3.5	2.7	2.1	1.6	1.6	1.6
82.5°	3.7	3.1	2.3	1.9	1.7	1.4	1.0	0.7	0.5	0.4	0.4
85°	1.2	1.0	0.7	0.5	0.4	0.4	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°	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6
2.5°	577.7	577.9	577.7	577.9	577.7	578.1	578.1	577.9	577.9	577.9	577.7
5°	573.7	573.7	573.4	573.4	573.4	573.2	572.7	572.7	572.3	572.1	571.7
7.5°	569.2	568.8	568.2	568.1	567.4	566.9	565.7	564.8	563.9	563.0	562.0
10°	563.7	562.8	561.6	560.9	560.4	559.1	557.4	555.0	553.5	551.8	549.9
12.5°	556.8	555.7	553.5	552.0	551.0	548.5	546.0	543.1	539.9	536.9	535.0
15°	547.7	545.7	543.1	541.5	539.7	536.3	531.8	527.8	524.7	521.2	516.5
17.5°	537.1	534.1	530.5	528.0	525.9	521.2	515.9	510.7	506.1	501.8	497.2
20°	522.4	518.9	514.4	511.2	509.0	503.0	497.4	491.2	485.6	480.6	475.1
22.5°	505.1	499.3	494.9	491.0	488.6	481.9	475.7	469.2	463.1	458.7	452.9
25°	483.4	477.8	472.2	469.2	465.5	458.3	451.9	445.2	439.6	433.9	428.4
27.5°	460.4	453.8	447.6	444.0	440.7	433.7	427.3	421.1	414.7	408.6	403.7
30°	435.2	428.7	423.8	419.1	415.5	409.9	402.0	395.8	390.2	384.6	379.5
32.5°	407.2	401.8	396.0	393.7	390.9	384.1	378.0	372.0	366.4	360.8	355.5
35°	374.7	370.4	366.9	364.5	362.7	356.6	351.9	345.4	341.9	336.3	332.5
37.5°	341.4	339.3	337.0	333.9	331.4	327.9	324.9	319.7	315.7	311.6	307.3
40°	309.5	307.1	304.1	302.5	302.0	298.8	294.8	292.0	289.7	286.1	283.8
42.5°	278.3	277.1	274.0	273.3	272.4	269.8	267.9	265.6	264.0	261.2	260.1
45°	246.5	246.3	245.6	244.8	244.4	242.5	242.1	239.2	237.9	237.2	236.1
47.5°	218.5	217.9	216.7	217.9	216.2	216.0	216.0	215.4	214.8	213.3	213.1
50°	189.8	190.8	191.0	190.5	191.6	191.4	190.5	190.6	191.0	191.7	190.6
52.5°	163.5	164.4	165.6	165.1	166.0	167.0	166.7	168.2	167.6	168.4	170.0
55°	138.6	140.7	142.0	141.5	142.3	143.4	143.8	145.1	146.3	147.6	148.6
57.5°	117.1	117.7	119.6	120.1	120.4	121.3	123.3	125.4	126.8	127.8	128.7
60°	96.0	97.9	99.3	99.3	100.8	102.2	104.0	105.9	107.5	109.8	111.5
62.5°	78.2	78.6	80.5	80.7	81.9	84.2	85.6	88.4	90.4	92.9	95.2
65°	60.9	62.7	63.9	64.1	65.8	67.6	69.5	72.2	74.9	77.0	79.1
67.5°	45.7	46.6	48.2	49.5	49.9	52.5	55.3	57.9	60.2	62.1	64.8
70°	31.9	32.7	34.8	35.6	36.8	38.7	41.0	43.8	46.4	49.2	51.3
72.5°	19.6	21.3	22.6	23.8	24.7	27.1	29.6	31.9	34.3	36.6	39.2
75°	10.8	12.0	13.5	14.7	15.7	17.5	19.8	22.1	24.2	26.3	28.2
77.5°	4.9	6.0	7.4	8.1	8.9	10.5	12.2	14.2	15.9	17.5	19.1
80°	1.9	2.7	3.5	4.0	4.4	5.4	6.8	7.7	8.9	10.3	11.6
82.5°	0.7	1.0	1.4	1.7	1.9	2.5	3.1	3.7	4.7	5.2	6.0
85°	0.2	0.2	0.4	0.4	0.5	0.7	1.0	1.4	1.6	1.7	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
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°	579.6	579.6	579.6	579.6	579.6	579.6	579.6	579.6
2.5°	577.7	577.5	577.5	577.5	577.5	577.3	577.3	577.3
5°	571.9	571.5	571.3	571.3	570.7	570.9	570.9	570.7
7.5°	561.6	561.3	560.7	561.1	560.9	560.2	560.1	559.9
10°	548.3	547.5	547.3	546.4	545.7	545.5	545.5	544.8
12.5°	532.4	530.3	530.1	529.1	527.8	527.0	527.3	526.2
15°	514.8	511.7	510.2	509.4	507.9	506.5	505.3	504.9
17.5°	493.3	489.8	488.6	487.9	484.6	484.4	482.9	482.3
20°	470.9	467.8	466.0	464.8	462.4	460.1	459.9	459.6
22.5°	449.0	444.0	442.4	440.7	438.0	436.1	434.9	433.9
25°	424.2	420.2	417.4	415.8	413.7	412.3	410.7	410.5
27.5°	399.5	395.6	393.9	392.3	389.7	388.0	386.5	387.3
30°	375.2	371.4	369.4	368.3	365.7	364.8	362.1	362.5
32.5°	351.2	347.7	346.4	344.0	341.8	340.7	339.6	338.9
35°	328.2	325.3	323.4	321.8	319.7	317.8	316.8	316.8
37.5°	304.8	302.0	300.9	299.7	297.8	295.2	294.1	295.0
40°	281.0	278.9	277.9	277.1	275.2	274.2	273.3	273.3
42.5°	258.4	256.3	256.1	255.3	253.7	253.1	252.4	251.8
45°	234.8	233.7	233.0	233.0	232.8	232.6	232.0	231.6
47.5°	212.2	212.3	211.9	211.7	211.9	211.3	212.2	211.5
50°	191.4	191.0	191.4	191.0	191.2	192.0	191.2	191.7
52.5°	169.3	171.1	171.2	170.5	171.2	171.9	172.3	173.2
55°	149.8	150.4	150.7	151.6	151.9	153.0	151.9	151.9
57.5°	130.8	131.8	132.2	132.7	134.3	133.7	134.7	135.5
60°	113.6	114.8	115.5	116.1	116.7	118.0	118.5	118.2
62.5°	96.8	98.5	98.7	100.3	100.7	101.6	102.4	101.6
65°	81.1	82.6	83.8	84.7	85.9	86.9	86.7	87.3
67.5°	66.7	68.7	69.7	70.0	71.6	72.0	73.0	73.5
70°	53.8	55.2	56.3	56.9	57.9	59.0	60.0	60.6
72.5°	41.0	43.2	44.3	44.7	46.2	47.1	47.4	48.0
75°	30.4	32.2	32.7	33.6	34.5	36.2	36.0	36.4
77.5°	21.0	22.2	23.4	23.4	24.7	25.2	26.1	26.3
80°	12.6	14.0	14.5	14.7	15.7	16.3	16.6	17.0
82.5°	6.6	7.5	7.5	7.9	8.7	8.7	8.9	9.3
85°	2.5	2.9	3.1	3.1	3.3	3.7	3.7	3.9
87.5°	0.4	0.4	0.4	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)