

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: P843907

Luminaire Tested: **LD6C08DE010B40 EU6C08B40 6LBSWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252180)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08DE010B40 EU6C08B40 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

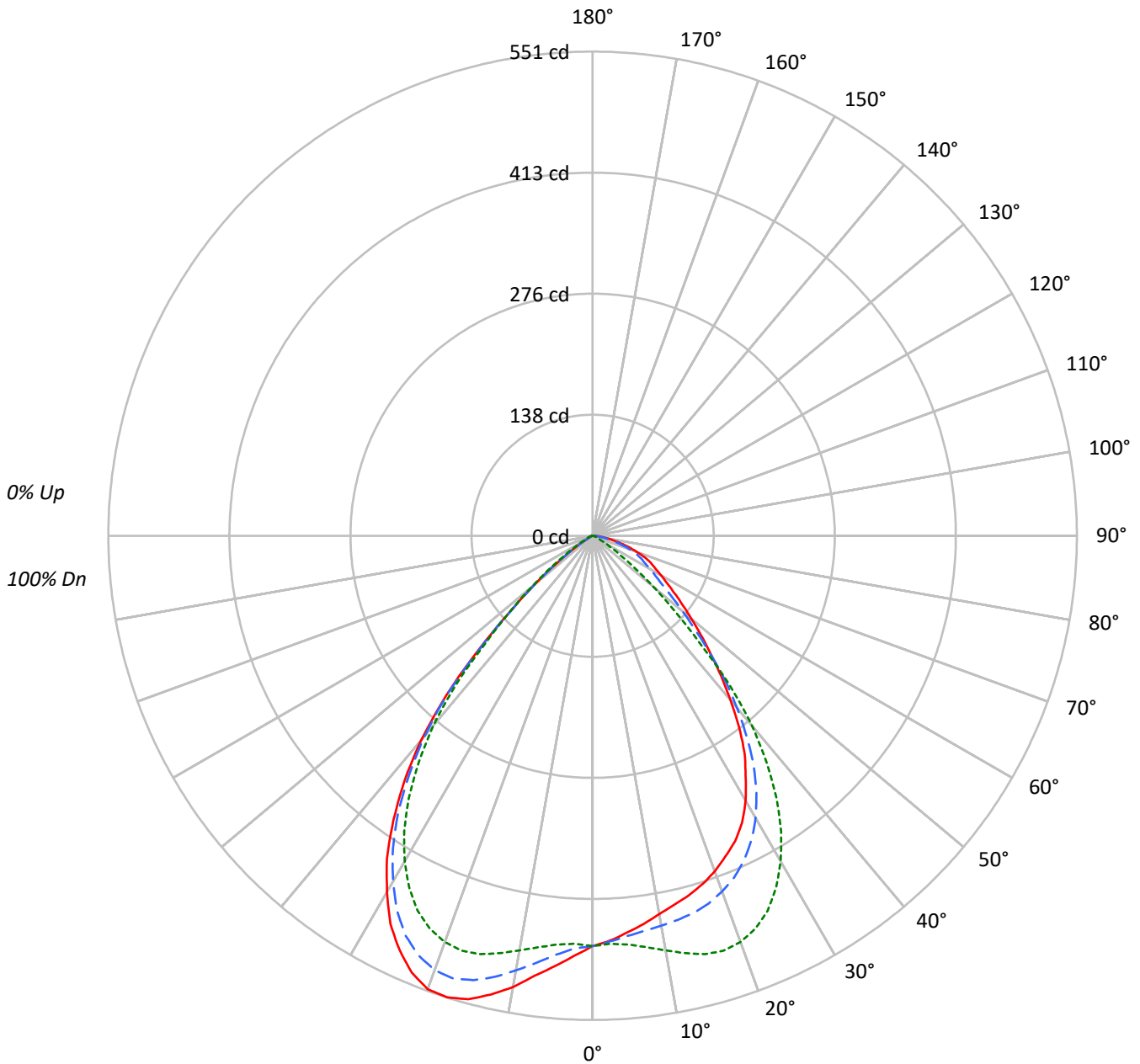
Lumens per Lamp: N/A
Luminaire Lumens: 853.5 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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			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	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40			
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	25596	25596	25596
5°	24934	25693	27047
10°	24326	26664	29024
15°	24041	27974	30988
20°	23697	28697	32028
25°	23197	28490	31453
30°	22041	27074	29612
35°	20164	24407	26435
40°	17447	20152	21691
45°	14707	13218	14188
50°	12486	7650	7198
55°	10838	3670	2772
60°	9791	1721	680
65°	9495	986	233
70°	8511	785	224
75°	6990	551	85
80°	5209	253	0
85°	4529	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	5.3
10°-20°	137.5	16.1
20°-30°	210.0	24.6
30°-40°	219.7	25.7
40°-50°	142.5	16.7
50°-60°	56.6	6.6
60°-70°	26.8	3.1
70°-80°	12.8	1.5
80°-90°	2.6	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°	392.6	46.0
0°-40°	612.2	71.7
0°-60°	811.3	95.1
0°-90°	853.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	853.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	467	467	467	467	467	
5°	453	457	467	479	492	43
15°	424	444	493	524	546	119
25°	384	408	471	503	520	176
35°	301	320	365	386	395	186
45°	190	188	170	181	183	148
55°	113	96	38	30	29	103
65°	73	61	8	2	2	72
75°	33	27	3	1	0	36
85°	7	4	0	0	0	8
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°	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9
2.5°	461.1	462.0	457.1	455.7	459.3	460.7	461.1	459.8	460.3	462.0	462.0
5°	453.1	453.9	449.5	448.2	451.7	452.7	453.9	453.5	454.9	457.5	457.1
7.5°	445.5	446.9	442.0	440.2	444.6	446.9	447.7	447.7	449.5	453.1	453.5
10°	437.0	438.8	434.4	433.4	438.4	440.6	441.0	442.0	444.6	449.5	450.4
12.5°	429.9	431.6	428.6	427.2	432.6	434.8	435.6	437.4	440.6	446.9	447.7
15°	423.6	425.0	421.4	420.5	425.9	428.6	429.0	431.6	435.6	442.8	444.2
17.5°	415.7	416.5	413.9	412.9	418.3	420.9	421.4	424.5	429.4	436.6	438.8
20°	406.2	407.1	404.4	403.6	408.9	412.1	412.5	415.1	420.9	428.6	430.8
22.5°	395.0	396.8	393.8	392.8	398.2	400.8	402.2	404.4	410.3	417.9	420.9
25°	383.5	383.5	381.3	380.7	385.7	388.8	388.4	391.5	397.2	404.9	407.6
27.5°	368.3	367.8	365.6	365.2	370.5	373.2	372.3	375.5	380.7	388.4	391.0
30°	348.2	349.1	346.0	345.1	349.5	354.0	353.6	356.6	362.0	369.2	371.0
32.5°	324.1	325.0	324.6	323.2	327.2	329.5	330.8	333.0	337.5	345.1	346.9
35°	301.3	299.9	298.3	298.3	302.2	305.8	304.5	307.1	311.6	319.2	319.6
37.5°	273.2	272.8	271.8	271.0	275.4	276.4	276.8	278.6	282.6	288.8	287.9
40°	243.8	244.2	243.8	242.0	244.6	248.2	247.7	248.6	252.2	256.7	255.3
42.5°	216.1	216.1	216.1	214.3	217.3	219.1	220.1	219.7	220.5	224.5	222.7
45°	189.7	190.2	189.7	189.3	189.7	190.6	189.7	189.3	189.3	190.6	187.9
47.5°	167.0	167.0	165.6	164.3	165.6	166.0	164.8	163.4	163.0	162.5	158.0
50°	146.4	146.0	145.5	143.3	144.6	145.1	143.3	142.4	140.7	138.3	133.1
52.5°	128.6	128.1	127.7	125.4	126.4	126.8	125.0	123.2	121.0	119.2	112.5
55°	113.4	113.0	113.0	111.6	110.7	111.6	109.8	108.5	105.3	103.1	96.5
57.5°	100.5	100.5	99.5	98.3	98.7	98.7	96.9	95.1	92.4	89.7	84.4
60°	89.3	89.3	89.3	87.9	87.9	87.9	87.0	85.2	83.0	80.4	75.0
62.5°	80.4	80.4	79.9	78.6	79.0	79.0	78.2	76.4	74.1	72.3	66.9
65°	73.2	73.2	73.2	71.9	71.9	72.3	71.4	69.7	67.9	65.6	60.7
67.5°	64.3	63.9	63.9	62.9	63.4	63.9	62.9	61.7	59.3	58.1	53.6
70°	53.1	53.6	54.0	52.7	53.1	53.1	52.7	51.3	50.0	48.7	44.6
72.5°	43.3	43.3	42.8	42.4	42.4	42.8	42.0	40.6	39.8	38.8	35.7
75°	33.0	32.6	33.0	32.2	32.2	32.2	31.2	30.8	30.4	29.0	26.8
77.5°	24.1	23.7	23.7	22.7	23.3	23.3	22.7	21.9	20.9	20.5	18.7
80°	16.5	16.5	16.5	16.1	16.1	15.7	15.7	15.2	14.3	13.9	12.9
82.5°	11.1	11.1	11.1	10.7	10.7	10.7	10.3	9.8	9.4	8.9	8.0
85°	7.2	7.2	7.2	6.7	6.7	6.7	6.2	6.2	5.8	5.4	4.4
87.5°	4.0	4.0	4.0	3.6	3.6	3.6	3.6	3.6	3.2	2.6	2.2
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°	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9
2.5°	465.1	458.9	462.9	462.9	461.6	465.1	467.4	469.2	468.7	464.7	464.3
5°	461.6	456.3	460.7	461.1	459.8	464.7	467.8	470.0	470.5	466.9	467.4
7.5°	458.9	454.5	460.3	462.0	461.6	466.1	469.6	473.2	475.0	472.3	472.8
10°	457.5	453.9	460.3	462.9	463.3	468.3	473.6	478.6	480.8	479.0	480.4
12.5°	455.7	453.5	460.7	464.7	466.5	471.4	478.1	483.9	487.5	486.6	489.3
15°	453.9	452.2	460.7	466.5	468.7	473.2	480.8	489.3	493.3	492.9	496.5
17.5°	449.5	449.1	458.1	464.3	467.4	472.8	479.8	490.1	494.1	495.1	499.5
20°	442.4	442.4	452.2	458.9	462.5	467.4	476.4	486.1	491.1	491.9	496.9
22.5°	432.6	433.4	442.8	449.5	454.9	458.5	467.8	478.1	482.6	483.9	489.3
25°	419.7	420.5	429.4	436.2	442.0	445.9	454.9	464.3	469.6	471.0	475.0
27.5°	402.6	404.4	412.9	419.7	424.5	427.2	436.6	446.4	450.4	451.7	455.7
30°	383.0	383.5	392.0	397.8	402.6	404.9	412.9	423.2	426.3	427.7	433.4
32.5°	358.9	358.4	366.5	371.9	375.9	378.5	387.0	393.8	396.8	399.0	402.2
35°	329.9	329.5	335.3	341.5	344.6	345.5	354.0	361.2	363.0	364.7	368.7
37.5°	297.3	297.3	302.2	305.3	308.9	310.2	314.2	322.3	325.4	325.0	328.1
40°	262.9	261.1	264.7	267.9	268.7	269.2	273.2	279.4	281.6	281.6	283.9
42.5°	226.8	224.1	224.5	226.3	227.2	224.1	226.8	230.8	229.4	231.2	231.7
45°	188.4	184.3	182.5	178.5	179.5	176.3	174.5	175.5	175.0	170.5	171.4
47.5°	157.2	150.0	146.9	141.1	139.7	136.1	133.9	129.9	126.4	126.4	124.1
50°	130.8	123.6	117.4	110.7	108.5	105.3	100.5	95.1	92.4	89.7	87.5
52.5°	109.8	102.3	94.7	87.5	84.4	80.4	73.6	68.3	63.4	60.7	58.1
55°	92.9	84.4	76.4	68.7	64.7	60.7	54.0	47.8	42.0	38.4	36.2
57.5°	79.9	71.9	63.4	55.3	51.8	47.3	40.2	33.4	28.1	24.1	21.9
60°	70.5	62.5	54.9	46.4	42.8	38.4	30.8	24.5	19.1	15.7	12.9
62.5°	62.5	55.3	47.3	39.8	36.2	31.7	24.5	18.3	13.4	9.8	7.6
65°	56.7	49.5	42.8	35.2	32.2	27.7	20.9	15.2	10.7	7.6	5.4
67.5°	50.0	43.8	37.0	30.8	27.7	24.1	17.9	12.9	8.9	6.2	4.4
70°	42.0	37.0	31.2	25.5	23.3	20.1	14.7	10.7	7.2	4.9	3.6
72.5°	33.4	29.5	25.0	20.5	18.7	15.7	12.1	8.5	5.4	3.6	2.6
75°	25.5	22.3	18.7	15.7	13.9	12.1	8.9	6.2	4.0	2.6	1.8
77.5°	17.5	16.1	13.4	10.7	9.8	8.5	5.8	4.0	2.6	1.8	0.8
80°	12.1	10.7	8.9	7.2	6.2	5.4	3.6	2.6	1.4	0.8	0.4
82.5°	7.6	6.2	5.4	4.4	4.0	3.2	2.2	1.4	0.8	0.4	0.4
85°	4.0	3.6	3.2	2.2	2.2	1.8	1.4	0.8	0.4	0.0	0.0
87.5°	2.2	1.8	1.4	0.8	0.8	0.4	0.4	0.4	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°	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9
2.5°	469.6	469.6	469.2	474.6	468.3	474.6	471.4	474.6	470.0	469.6	470.0
5°	473.2	474.6	475.0	479.8	474.1	481.6	479.0	481.6	478.6	479.4	480.8
7.5°	480.4	482.6	482.2	488.4	482.6	491.1	489.3	493.3	490.1	491.1	492.9
10°	488.4	491.1	491.5	497.7	492.3	502.7	500.4	504.9	502.2	503.5	505.8
12.5°	497.7	500.9	501.3	508.4	502.7	513.4	512.0	516.4	514.2	515.6	518.2
15°	504.9	509.4	510.2	517.4	511.2	522.3	521.4	527.2	523.6	525.9	528.1
17.5°	508.4	512.4	514.2	521.0	515.6	526.7	525.9	530.8	528.1	530.3	533.0
20°	506.2	511.2	512.4	519.2	513.8	525.0	523.6	528.5	525.9	527.7	530.3
22.5°	498.1	503.1	504.9	511.2	506.2	516.4	516.0	520.5	517.0	519.2	521.4
25°	483.9	489.3	490.1	495.9	490.6	501.3	500.4	505.3	502.7	504.0	507.1
27.5°	463.3	469.6	471.0	475.8	471.8	480.8	480.8	484.8	481.6	481.6	484.8
30°	438.8	445.1	445.9	450.0	446.4	454.5	454.9	458.9	453.9	456.7	457.1
32.5°	408.9	412.9	415.7	419.1	413.9	424.1	422.7	425.9	423.2	423.2	425.4
35°	372.7	377.7	379.1	383.5	379.1	387.0	387.0	388.8	386.1	386.1	389.7
37.5°	333.5	337.1	337.5	341.9	338.3	345.1	344.6	346.0	343.3	345.1	345.1
40°	287.5	290.2	291.1	293.3	292.9	297.7	297.3	298.3	296.9	297.3	298.3
42.5°	233.9	237.4	239.2	241.0	238.4	245.1	243.8	245.1	244.6	245.1	246.4
45°	172.3	175.0	176.3	176.7	175.9	179.9	183.0	180.3	180.7	179.9	181.7
47.5°	124.6	125.0	124.1	126.8	124.6	126.4	127.2	127.7	125.0	124.6	126.4
50°	85.2	87.5	84.4	85.7	85.2	87.0	86.2	86.6	84.0	85.2	84.4
52.5°	56.7	56.3	55.3	55.8	54.9	54.9	54.9	55.8	54.0	53.1	52.2
55°	34.4	33.4	31.7	31.2	31.2	31.7	30.8	29.9	29.9	29.5	29.5
57.5°	20.1	18.7	17.9	17.5	16.5	16.1	15.7	15.7	14.7	14.7	14.7
60°	11.1	9.8	8.9	8.0	8.0	7.6	7.2	6.7	6.7	6.7	6.2
62.5°	5.8	4.9	4.0	3.6	3.6	3.2	2.6	2.6	2.6	2.6	2.2
65°	4.0	3.2	2.6	2.2	2.2	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	3.2	2.6	2.2	1.8	1.8	1.8	1.4	1.4	1.4	1.4	1.4
70°	2.6	1.8	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.8	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0
80°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9
2.5°	474.1	473.6	474.1	475.0	473.2	478.6	475.8	478.6
5°	484.4	484.8	485.2	486.6	484.4	491.1	487.5	491.5
7.5°	497.7	498.1	498.7	499.9	498.7	505.3	501.3	504.9
10°	511.6	512.4	512.4	514.8	513.4	519.6	517.0	521.4
12.5°	524.5	525.4	526.3	527.7	526.7	533.5	531.2	534.7
15°	534.7	536.5	537.1	538.8	537.9	545.1	542.4	546.0
17.5°	539.7	541.5	541.5	543.7	542.8	550.4	546.8	550.8
20°	537.1	538.3	538.8	541.1	540.1	547.7	544.2	549.0
22.5°	528.5	529.0	529.5	531.7	531.2	537.9	534.7	537.9
25°	513.0	514.2	513.8	515.6	515.6	521.0	517.4	520.0
27.5°	490.6	491.9	491.9	494.1	492.3	497.7	494.1	498.1
30°	463.3	464.7	463.8	465.6	463.8	469.2	466.5	467.8
32.5°	430.8	430.8	431.2	431.6	430.8	435.6	433.0	435.6
35°	392.0	392.8	393.3	393.8	392.8	396.4	393.3	395.0
37.5°	348.2	350.4	350.0	350.4	349.1	353.6	350.8	351.8
40°	301.3	301.3	300.9	301.7	300.5	304.0	302.2	303.1
42.5°	246.9	248.2	246.4	248.6	245.1	250.0	248.2	246.9
45°	185.3	183.5	183.0	183.5	182.1	182.5	183.9	183.0
47.5°	126.4	126.4	125.4	124.1	125.9	126.4	124.6	124.6
50°	84.8	84.8	84.0	83.4	84.4	84.0	83.0	84.4
52.5°	54.0	52.2	52.2	53.1	52.2	51.3	52.7	51.8
55°	29.5	28.6	28.6	29.5	28.6	28.6	28.1	29.0
57.5°	14.3	14.7	14.3	14.3	14.3	14.3	13.9	14.3
60°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	2.6	2.6	2.2	2.2	2.2	2.2	2.2	2.2
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	1.4	1.4	1.4	1.4	1.4	1.8	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8
75°	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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



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— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)