

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: P843873

Luminaire Tested: **LD6C08DE010B2750 EU6C08B30 6LBSWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843873
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: LD6C08DE010B2750 EU6C08B30 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

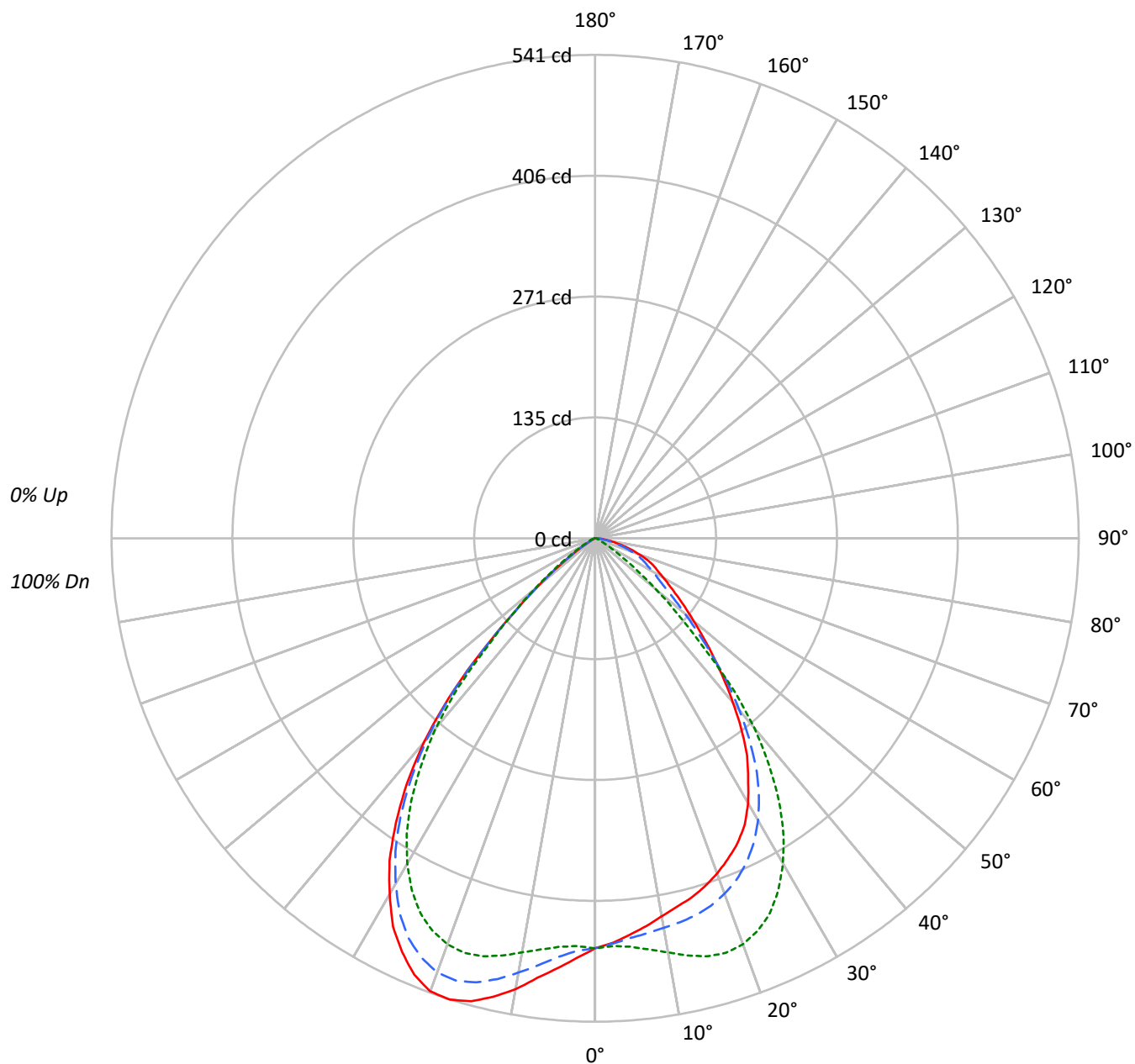
Lumens per Lamp: N/A
Luminaire Lumens: 838.7 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	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
1	112	108	105	103	109	106	103	101		102	100	98		98	96	95		95	93	92
2	105	98	93	89	102	97	92	88		93	89	86		90	87	84		87	85	82
3	98	89	83	78	95	88	82	78		85	80	76		83	78	75		80	77	74
4	91	82	75	69	89	80	74	69		78	72	68		76	71	67		74	70	66
5	85	75	67	62	83	74	67	62		72	66	61		70	65	61		68	64	60
6	80	69	61	56	78	68	61	56		66	60	55		64	59	55		63	58	54
7	74	63	56	51	73	62	55	50		61	55	50		60	54	50		58	53	50
8	70	58	51	46	69	58	51	46		57	50	46		55	50	46		54	49	45
9	66	54	47	42	64	54	47	42		53	46	42		52	46	42		51	45	42
10	62	50	43	39	61	50	43	39		49	43	39		48	43	39		47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	25151	25151	25151
5°	24505	25248	26574
10°	23903	26196	28518
15°	23627	27486	30443
20°	23289	28201	31474
25°	22792	27994	30909
30°	21655	26599	29106
35°	19816	23985	25986
40°	17146	19809	21311
45°	14459	12986	13939
50°	12264	7522	7070
55°	10647	3613	2733
60°	9615	1677	669
65°	9327	960	233
70°	8367	785	208
75°	6884	551	85
80°	5114	253	0
85°	4403	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	5.3
10°-20°	135.1	16.1
20°-30°	206.4	24.6
30°-40°	215.9	25.7
40°-50°	140.0	16.7
50°-60°	55.6	6.6
60°-70°	26.4	3.1
70°-80°	12.5	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°	385.8	46.0
0°-40°	601.6	71.7
0°-60°	797.2	95.1
0°-90°	838.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	838.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	459	459	459	459	459	
5°	445	449	459	470	483	42
15°	416	436	484	514	536	117
25°	377	400	463	494	511	173
35°	296	314	358	380	388	183
45°	186	185	168	178	180	145
55°	111	95	38	29	29	101
65°	72	60	7	2	2	70
75°	32	26	3	1	0	35
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°	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8
2.5°	453.1	454.0	449.2	447.9	451.4	452.7	453.1	451.8	452.2	454.0	454.0
5°	445.3	446.1	441.8	440.4	443.9	444.8	446.1	445.7	447.0	449.6	449.2
7.5°	437.8	439.1	434.3	432.6	436.9	439.1	440.0	440.0	441.8	445.3	445.7
10°	429.4	431.2	426.9	425.9	430.8	433.0	433.4	434.3	436.9	441.8	442.6
12.5°	422.4	424.2	421.1	419.8	425.1	427.3	428.1	429.9	433.0	439.1	440.0
15°	416.3	417.6	414.1	413.2	418.5	421.1	421.6	424.2	428.1	435.1	436.5
17.5°	408.4	409.3	406.7	405.8	411.0	413.6	414.1	417.1	422.0	429.0	431.2
20°	399.2	400.1	397.5	396.5	401.8	404.9	405.3	407.9	413.6	421.1	423.3
22.5°	388.3	389.9	386.9	386.0	391.3	393.9	395.2	397.5	403.2	410.6	413.6
25°	376.8	376.8	374.6	374.2	379.1	382.1	381.6	384.7	390.4	397.9	400.5
27.5°	361.9	361.5	359.3	358.9	364.0	366.7	365.8	368.9	374.2	381.6	384.2
30°	342.1	343.0	339.9	339.1	343.5	347.9	347.4	350.5	355.8	362.8	364.6
32.5°	318.5	319.3	318.9	317.6	321.5	323.7	325.0	327.2	331.7	339.1	340.9
35°	296.1	294.8	293.1	293.1	297.0	300.5	299.2	301.8	306.2	313.6	314.1
37.5°	268.4	268.0	267.2	266.3	270.6	271.5	272.0	273.7	277.6	283.8	282.9
40°	239.6	240.0	239.6	237.8	240.4	243.9	243.5	244.3	247.8	252.2	250.9
42.5°	212.3	212.3	212.3	210.6	213.6	215.4	216.3	215.9	216.7	220.6	218.9
45°	186.5	186.9	186.5	186.0	186.5	187.3	186.5	186.0	186.0	187.3	184.7
47.5°	164.0	164.0	162.8	161.4	162.8	163.2	161.9	160.5	160.1	159.7	155.3
50°	143.8	143.4	143.0	140.8	142.1	142.6	140.8	139.9	138.1	136.0	130.7
52.5°	126.4	125.9	125.4	123.2	124.2	124.6	122.8	121.1	118.9	117.1	110.5
55°	111.4	110.9	110.9	109.7	108.8	109.7	107.9	106.6	103.5	101.3	94.8
57.5°	98.7	98.7	97.8	96.5	97.0	97.0	95.2	93.4	90.7	88.2	82.9
60°	87.7	87.7	87.7	86.4	86.4	86.4	85.6	83.8	81.5	79.0	73.7
62.5°	79.0	79.0	78.5	77.2	77.6	77.6	76.8	75.0	72.9	71.1	65.8
65°	71.9	71.9	71.9	70.6	70.6	71.1	70.2	68.4	66.6	64.5	59.7
67.5°	63.1	62.7	62.7	61.9	62.3	62.7	61.9	60.5	58.4	57.0	52.7
70°	52.2	52.7	53.1	51.7	52.2	52.2	51.7	50.4	49.2	47.8	43.9
72.5°	42.5	42.5	42.1	41.7	41.7	42.1	41.2	39.9	39.0	38.2	35.1
75°	32.5	32.0	32.5	31.6	31.6	31.6	30.7	30.2	29.8	28.6	26.3
77.5°	23.7	23.3	23.3	22.4	22.8	22.8	22.4	21.5	20.6	20.2	18.4
80°	16.2	16.2	16.2	15.8	15.8	15.3	15.3	14.9	14.1	13.6	12.7
82.5°	11.0	11.0	11.0	10.6	10.6	10.6	10.0	9.6	9.2	8.8	7.9
85°	7.0	7.0	7.0	6.6	6.6	6.6	6.1	6.1	5.7	5.3	4.3
87.5°	3.9	3.9	3.9	3.5	3.5	3.5	3.5	3.5	3.1	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°	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8
2.5°	457.1	451.0	454.9	454.9	453.6	457.1	459.3	461.0	460.6	456.7	456.2
5°	453.6	448.3	452.7	453.1	451.8	456.7	459.8	461.9	462.4	458.8	459.3
7.5°	451.0	446.5	452.2	454.0	453.6	458.0	461.4	464.9	466.7	464.1	464.5
10°	449.6	446.1	452.2	454.9	455.3	460.2	465.5	470.2	472.4	470.6	472.0
12.5°	447.9	445.7	452.7	456.7	458.4	463.2	469.8	475.5	479.0	478.2	480.8
15°	446.1	444.3	452.7	458.4	460.6	464.9	472.4	480.8	484.7	484.3	487.8
17.5°	441.8	441.2	450.0	456.2	459.3	464.5	471.6	481.6	485.6	486.5	490.8
20°	434.7	434.7	444.3	451.0	454.5	459.3	468.0	477.7	482.5	483.4	488.2
22.5°	425.1	425.9	435.1	441.8	447.0	450.4	459.8	469.8	474.1	475.5	480.8
25°	412.4	413.2	422.0	428.6	434.3	438.2	447.0	456.2	461.4	462.8	466.7
27.5°	395.7	397.5	405.8	412.4	417.1	419.8	429.0	438.7	442.6	443.9	447.9
30°	376.4	376.8	385.2	390.8	395.7	397.9	405.8	415.9	418.9	420.2	425.9
32.5°	352.7	352.3	360.1	365.4	369.3	372.0	380.3	386.9	389.9	392.2	395.2
35°	324.2	323.7	329.5	335.6	338.7	339.5	347.9	354.8	356.6	358.4	362.3
37.5°	292.1	292.1	297.0	300.1	303.5	304.9	308.8	316.8	319.8	319.3	322.4
40°	258.4	256.6	260.1	263.2	264.1	264.5	268.4	274.6	276.8	276.8	279.0
42.5°	222.8	220.2	220.6	222.4	223.3	220.2	222.8	226.8	225.5	227.2	227.7
45°	185.1	181.2	179.4	175.5	176.3	173.2	171.5	172.4	172.0	167.5	168.5
47.5°	154.4	147.4	144.3	138.7	137.3	133.8	131.6	127.7	124.2	124.2	121.9
50°	128.5	121.5	115.4	108.8	106.6	103.5	98.7	93.4	90.7	88.2	86.0
52.5°	107.9	100.5	93.0	86.0	82.9	79.0	72.3	67.2	62.3	59.7	57.0
55°	91.3	82.9	75.0	67.6	63.6	59.7	53.1	47.0	41.2	37.8	35.5
57.5°	78.5	70.6	62.3	54.4	50.9	46.5	39.4	32.9	27.6	23.7	21.5
60°	69.3	61.4	53.9	45.6	42.1	37.8	30.2	24.1	18.8	15.3	12.7
62.5°	61.4	54.4	46.5	39.0	35.5	31.1	24.1	18.0	13.1	9.6	7.4
65°	55.7	48.7	42.1	34.7	31.6	27.2	20.6	14.9	10.6	7.4	5.3
67.5°	49.2	42.9	36.4	30.2	27.2	23.7	17.6	12.7	8.8	6.1	4.3
70°	41.2	36.4	30.7	25.0	22.8	19.8	14.5	10.6	7.0	4.9	3.5
72.5°	32.9	29.0	24.5	20.2	18.4	15.3	11.8	8.4	5.3	3.5	2.6
75°	25.0	21.9	18.4	15.3	13.6	11.8	8.8	6.1	3.9	2.6	1.8
77.5°	17.1	15.8	13.1	10.6	9.6	8.4	5.7	3.9	2.6	1.8	0.8
80°	11.8	10.6	8.8	7.0	6.1	5.3	3.5	2.6	1.3	0.8	0.4
82.5°	7.4	6.1	5.3	4.3	3.9	3.1	2.2	1.3	0.8	0.4	0.4
85°	3.9	3.5	3.1	2.2	2.2	1.8	1.3	0.8	0.4	0.0	0.0
87.5°	2.2	1.8	1.3	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°	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8
2.5°	461.4	461.4	461.0	466.3	460.2	466.3	463.2	466.3	461.9	461.4	461.9
5°	464.9	466.3	466.7	471.6	465.9	473.3	470.6	473.3	470.2	471.1	472.4
7.5°	472.0	474.1	473.7	479.8	474.1	482.5	480.8	484.7	481.6	482.5	484.3
10°	479.8	482.5	482.9	489.2	483.9	493.9	491.7	496.1	493.5	494.8	497.0
12.5°	489.2	492.2	492.6	499.6	493.9	504.5	503.1	507.6	505.3	506.6	509.3
15°	496.1	500.5	501.4	508.4	502.3	513.3	512.3	518.0	514.5	516.8	519.0
17.5°	499.6	503.5	505.3	511.9	506.6	517.6	516.8	521.6	519.0	521.1	523.7
20°	497.4	502.3	503.5	510.2	504.9	515.9	514.5	519.4	516.8	518.5	521.1
22.5°	489.6	494.3	496.1	502.3	497.4	507.6	507.1	511.5	508.0	510.2	512.3
25°	475.5	480.8	481.6	487.4	482.1	492.6	491.7	496.6	493.9	495.3	498.4
27.5°	455.3	461.4	462.8	467.6	463.7	472.4	472.4	476.4	473.3	473.3	476.4
30°	431.2	437.3	438.2	442.2	438.7	446.5	447.0	451.0	446.1	448.8	449.2
32.5°	401.8	405.8	408.4	411.9	406.7	416.7	415.4	418.5	415.9	415.9	418.1
35°	366.3	371.1	372.4	376.8	372.4	380.3	380.3	382.1	379.5	379.5	383.0
37.5°	327.7	331.1	331.7	336.0	332.5	339.1	338.7	339.9	337.3	339.1	339.1
40°	282.5	285.1	286.0	288.2	287.8	292.5	292.1	293.1	291.7	292.1	293.1
42.5°	229.8	233.3	235.1	236.9	234.3	240.8	239.6	240.8	240.4	240.8	242.2
45°	169.3	172.0	173.2	173.7	172.8	176.7	179.8	177.3	177.7	176.7	178.5
47.5°	122.4	122.8	121.9	124.6	122.4	124.2	125.0	125.4	122.8	122.4	124.2
50°	83.8	86.0	82.9	84.2	83.8	85.6	84.6	85.1	82.5	83.8	82.9
52.5°	55.7	55.3	54.4	54.8	53.9	53.9	53.9	54.8	53.1	52.2	51.3
55°	33.7	32.9	31.1	30.7	30.7	31.1	30.2	29.4	29.4	29.0	29.0
57.5°	19.8	18.4	17.6	17.1	16.2	15.8	15.3	15.3	14.5	14.5	14.5
60°	11.0	9.6	8.8	7.9	7.9	7.4	7.0	6.6	6.6	6.6	6.1
62.5°	5.7	4.9	3.9	3.5	3.5	3.1	2.6	2.6	2.6	2.6	2.2
65°	3.9	3.1	2.6	2.2	2.2	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	3.1	2.6	2.2	1.8	1.8	1.8	1.3	1.3	1.3	1.3	1.3
70°	2.6	1.8	1.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.8	1.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	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°	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8
2.5°	465.9	465.5	465.9	466.7	464.9	470.2	467.6	470.2
5°	475.9	476.4	476.8	478.2	475.9	482.5	479.0	482.9
7.5°	489.2	489.6	490.0	491.3	490.0	496.6	492.6	496.1
10°	502.7	503.5	503.5	505.8	504.5	510.6	508.0	512.3
12.5°	515.4	516.3	517.2	518.5	517.6	524.2	522.0	525.5
15°	525.5	527.2	527.7	529.5	528.6	535.6	532.9	536.4
17.5°	530.3	532.1	532.1	534.3	533.4	540.9	537.4	541.3
20°	527.7	529.0	529.5	531.7	530.7	538.2	534.7	539.5
22.5°	519.4	519.8	520.3	522.5	522.0	528.6	525.5	528.6
25°	504.0	505.3	504.9	506.6	506.6	511.9	508.4	511.0
27.5°	482.1	483.4	483.4	485.6	483.9	489.2	485.6	489.6
30°	455.3	456.7	455.7	457.5	455.7	461.0	458.4	459.8
32.5°	423.3	423.3	423.7	424.2	423.3	428.1	425.5	428.1
35°	385.2	386.0	386.5	386.9	386.0	389.5	386.5	388.3
37.5°	342.1	344.4	343.9	344.4	343.0	347.4	344.8	345.6
40°	296.1	296.1	295.6	296.6	295.2	298.8	297.0	297.8
42.5°	242.6	243.9	242.2	244.3	240.8	245.7	243.9	242.6
45°	182.0	180.3	179.8	180.3	179.0	179.4	180.7	179.8
47.5°	124.2	124.2	123.2	121.9	123.7	124.2	122.4	122.4
50°	83.3	83.3	82.5	82.1	82.9	82.5	81.5	82.9
52.5°	53.1	51.3	51.3	52.2	51.3	50.4	51.7	50.9
55°	29.0	28.0	28.0	29.0	28.0	28.0	27.6	28.6
57.5°	14.1	14.5	14.1	14.1	14.1	14.1	13.6	14.1
60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
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°	1.3	1.3	1.3	1.3	1.3	1.8	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	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)