

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: P843856

Luminaire Tested: **LD6C08DE010B2750 EU6C08B27 6LBSWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843856
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 EU6C08B27 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

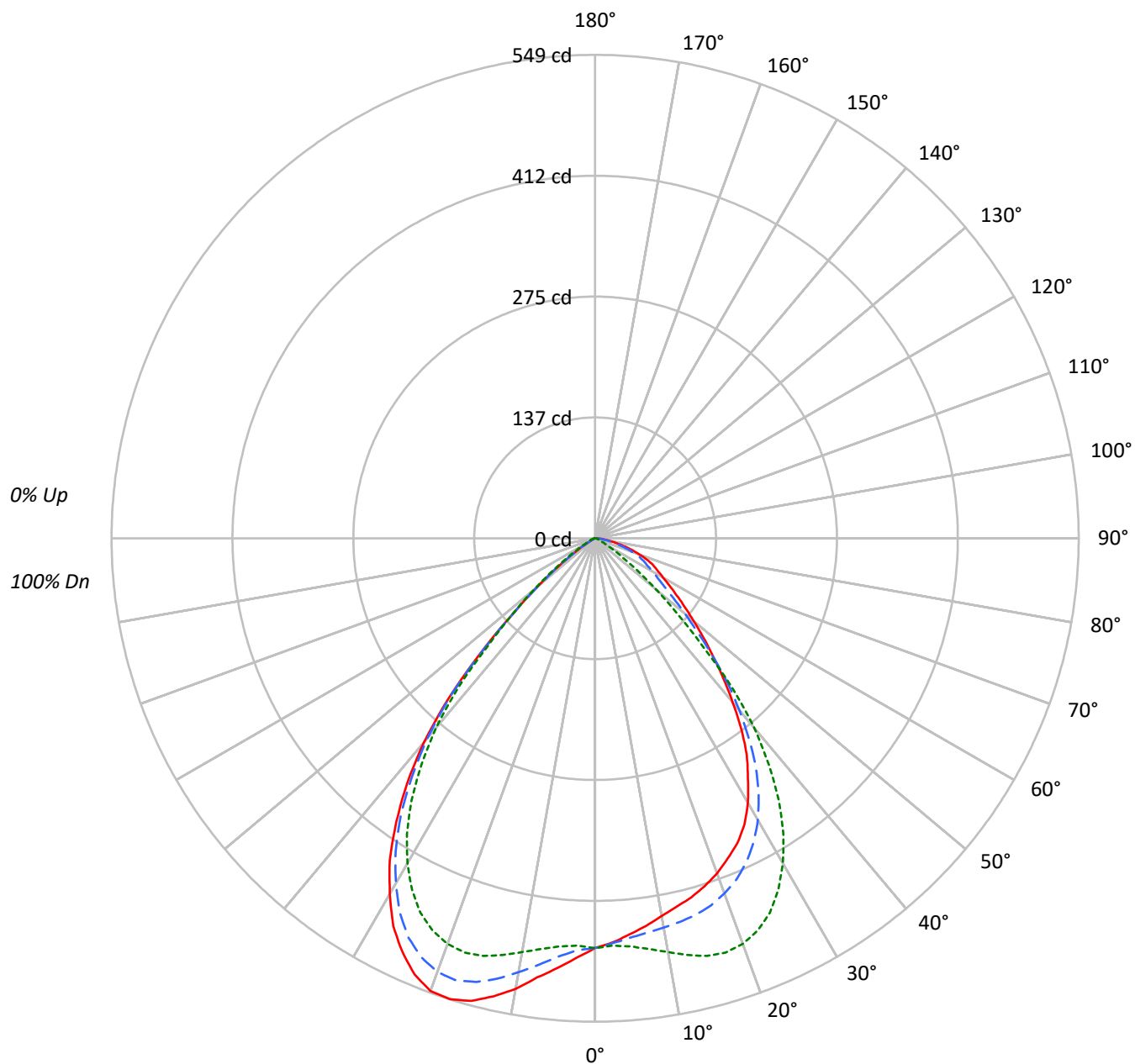
Lumens per Lamp: N/A
Luminaire Lumens: 850.3 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	103	109	106	103	101	102	100	98		98	96	95		95
2	105	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74
5	85	75	67	62	83	74	67	62	72	66	61		70	65	61		68
6	80	69	61	56	78	68	61	56	66	60	55		64	59	55		63
7	74	63	56	51	73	62	55	50	61	55	50		60	54	50		58
8	70	58	51	46	69	58	51	46	57	50	46		55	50	46		54
9	66	54	47	42	64	54	47	42	53	46	42		52	46	42		51
10	62	50	43	39	61	50	43	39	49	43	39		48	43	39		47

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	25508	25508	25508
5°	24840	25605	26948
10°	24237	26564	28918
15°	23956	27866	30869
20°	23615	28592	31911
25°	23106	28381	31339
30°	21959	26973	29505
35°	20090	24320	26334
40°	17375	20080	21612
45°	14653	13172	14133
50°	12435	7624	7172
55°	10800	3661	2762
60°	9747	1699	680
65°	9469	973	233
70°	8479	785	224
75°	6969	551	85
80°	5209	253	0
85°	4466	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	5.3
10°-20°	136.9	16.1
20°-30°	209.2	24.6
30°-40°	218.8	25.7
40°-50°	142.0	16.7
50°-60°	56.4	6.6
60°-70°	26.7	3.1
70°-80°	12.7	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°	391.1	46.0
0°-40°	610.0	71.7
0°-60°	808.3	95.1
0°-90°	850.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	850.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	465	465	465	465	465	
5°	451	455	465	477	490	43
15°	422	442	491	522	544	119
25°	382	406	469	501	518	175
35°	300	318	363	385	394	186
45°	189	187	170	180	182	147
55°	113	96	38	30	29	102
65°	73	60	8	2	2	71
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°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	459.4	460.3	455.4	454.0	457.6	459.0	459.4	458.1	458.5	460.3	460.3
5°	451.4	452.3	447.8	446.5	450.0	451.0	452.3	451.8	453.2	455.8	455.4
7.5°	443.9	445.2	440.3	438.5	442.9	445.2	446.1	446.1	447.8	451.4	451.8
10°	435.4	437.2	432.8	431.8	436.7	438.9	439.4	440.3	442.9	447.8	448.8
12.5°	428.3	430.0	427.0	425.6	431.0	433.2	434.1	435.9	438.9	445.2	446.1
15°	422.1	423.4	419.9	418.9	424.3	427.0	427.4	430.0	434.1	441.1	442.5
17.5°	414.1	414.9	412.3	411.4	416.7	419.4	419.9	422.9	427.8	435.0	437.2
20°	404.8	405.6	403.0	402.0	407.4	410.5	410.9	413.6	419.4	427.0	429.2
22.5°	393.5	395.3	392.3	391.3	396.7	399.4	400.7	403.0	408.7	416.3	419.4
25°	382.0	382.0	379.8	379.4	384.2	387.4	386.9	390.1	395.8	403.4	406.0
27.5°	366.9	366.5	364.2	363.8	369.1	371.9	370.9	374.1	379.4	386.9	389.6
30°	346.9	347.7	344.7	343.7	348.3	352.7	352.2	355.4	360.7	367.8	369.5
32.5°	322.9	323.7	323.3	322.0	326.0	328.2	329.6	331.8	336.2	343.7	345.5
35°	300.2	298.9	297.1	297.1	301.1	304.6	303.3	306.0	310.4	318.0	318.5
37.5°	272.2	271.7	270.9	270.0	274.5	275.3	275.7	277.5	281.5	287.8	286.8
40°	242.8	243.3	242.8	241.0	243.7	247.3	246.9	247.7	251.3	255.7	254.4
42.5°	215.2	215.2	215.2	213.4	216.6	218.4	219.2	218.8	219.7	223.7	221.9
45°	189.0	189.4	189.0	188.6	189.0	190.0	189.0	188.6	188.6	190.0	187.2
47.5°	166.4	166.4	165.0	163.6	165.0	165.4	164.1	162.8	162.3	161.9	157.5
50°	145.8	145.4	145.0	142.8	144.0	144.6	142.8	141.8	140.1	137.9	132.5
52.5°	128.1	127.7	127.2	125.0	125.9	126.3	124.5	122.8	120.6	118.8	112.1
55°	113.0	112.5	112.5	111.2	110.3	111.2	109.4	108.1	104.9	102.7	96.0
57.5°	100.1	100.1	99.2	97.8	98.3	98.3	96.6	94.8	92.0	89.4	84.1
60°	88.9	88.9	88.9	87.6	87.6	87.6	86.7	84.9	82.7	80.1	74.7
62.5°	80.1	80.1	79.6	78.3	78.7	78.7	77.8	76.0	73.8	72.0	66.7
65°	73.0	73.0	73.0	71.6	71.6	72.0	71.2	69.4	67.6	65.4	60.5
67.5°	64.0	63.6	63.6	62.7	63.1	63.6	62.7	61.3	59.1	57.9	53.4
70°	52.9	53.4	53.8	52.5	52.9	52.9	52.5	51.2	49.8	48.4	44.5
72.5°	43.2	43.2	42.7	42.3	42.3	42.7	41.8	40.5	39.6	38.7	35.5
75°	32.9	32.5	32.9	32.0	32.0	32.0	31.1	30.7	30.2	28.9	26.7
77.5°	24.0	23.6	23.6	22.6	23.2	23.2	22.6	21.8	20.9	20.4	18.7
80°	16.5	16.5	16.5	16.0	16.0	15.5	15.5	15.1	14.3	13.7	12.9
82.5°	11.1	11.1	11.1	10.7	10.7	10.7	10.3	9.7	9.3	8.9	8.0
85°	7.1	7.1	7.1	6.7	6.7	6.7	6.2	6.2	5.8	5.3	4.4
87.5°	4.0	4.0	4.0	3.6	3.6	3.6	3.6	3.6	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°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	463.5	457.2	461.2	461.2	459.9	463.5	465.7	467.5	466.9	463.0	462.5
5°	459.9	454.6	459.0	459.4	458.1	463.0	466.1	468.3	468.7	465.3	465.7
7.5°	457.2	452.8	458.5	460.3	459.9	464.3	467.9	471.4	473.2	470.5	471.0
10°	455.8	452.3	458.5	461.2	461.7	466.5	471.9	476.8	479.0	477.2	478.6
12.5°	454.0	451.8	459.0	463.0	464.7	469.7	476.4	482.1	485.7	484.8	487.5
15°	452.3	450.6	459.0	464.7	466.9	471.4	479.0	487.5	491.5	491.0	494.5
17.5°	447.8	447.4	456.3	462.5	465.7	471.0	478.1	488.3	492.3	493.2	497.6
20°	440.7	440.7	450.6	457.2	460.7	465.7	474.6	484.3	489.3	490.1	495.0
22.5°	431.0	431.8	441.1	447.8	453.2	456.8	466.1	476.4	480.8	482.1	487.5
25°	418.1	418.9	427.8	434.5	440.3	444.3	453.2	462.5	467.9	469.2	473.2
27.5°	401.2	403.0	411.4	418.1	422.9	425.6	435.0	444.7	448.8	450.0	454.0
30°	381.6	382.0	390.5	396.3	401.2	403.4	411.4	421.6	424.7	426.1	431.8
32.5°	357.6	357.2	365.1	370.5	374.5	377.2	385.6	392.3	395.3	397.6	400.7
35°	328.7	328.2	334.0	340.2	343.3	344.3	352.7	359.8	361.6	363.4	367.3
37.5°	296.2	296.2	301.1	304.2	307.8	309.0	313.1	321.1	324.3	323.7	326.9
40°	262.0	260.2	263.8	266.8	267.7	268.2	272.2	278.4	280.6	280.6	282.8
42.5°	225.9	223.3	223.7	225.5	226.3	223.3	225.9	229.9	228.6	230.4	230.9
45°	187.7	183.7	181.9	177.9	178.8	175.7	173.9	174.8	174.3	169.9	170.8
47.5°	156.5	149.4	146.3	140.6	139.2	135.7	133.5	129.5	125.9	125.9	123.6
50°	130.3	123.2	117.0	110.3	108.1	104.9	100.1	94.8	92.0	89.4	87.1
52.5°	109.4	101.9	94.2	87.1	84.1	80.1	73.4	68.0	63.1	60.5	57.9
55°	92.5	84.1	76.0	68.5	64.5	60.5	53.8	47.6	41.8	38.3	36.1
57.5°	79.6	71.6	63.1	55.1	51.6	47.2	40.1	33.3	28.0	24.0	21.8
60°	70.2	62.3	54.7	46.2	42.7	38.3	30.7	24.4	19.1	15.5	12.9
62.5°	62.3	55.1	47.2	39.6	36.1	31.6	24.4	18.2	13.3	9.7	7.5
65°	56.5	49.4	42.7	35.1	32.0	27.6	20.9	15.1	10.7	7.5	5.3
67.5°	49.8	43.6	36.9	30.7	27.6	24.0	17.8	12.9	8.9	6.2	4.4
70°	41.8	36.9	31.1	25.4	23.2	20.0	14.7	10.7	7.1	4.9	3.6
72.5°	33.3	29.4	24.9	20.4	18.7	15.5	12.0	8.5	5.3	3.6	2.6
75°	25.4	22.2	18.7	15.5	13.7	12.0	8.9	6.2	4.0	2.6	1.8
77.5°	17.3	16.0	13.3	10.7	9.7	8.5	5.8	4.0	2.6	1.8	0.8
80°	12.0	10.7	8.9	7.1	6.2	5.3	3.6	2.6	1.4	0.8	0.4
82.5°	7.5	6.2	5.3	4.4	4.0	3.1	2.2	1.4	0.8	0.4	0.4
85°	4.0	3.6	3.1	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°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	467.9	467.9	467.5	472.8	466.5	472.8	469.7	472.8	468.3	467.9	468.3
5°	471.4	472.8	473.2	478.1	472.3	479.8	477.2	479.8	476.8	477.6	479.0
7.5°	478.6	480.8	480.4	486.5	480.8	489.3	487.5	491.5	488.3	489.3	491.0
10°	486.5	489.3	489.7	495.9	490.5	500.8	498.6	503.0	500.4	501.6	503.9
12.5°	495.9	499.0	499.4	506.6	500.8	511.5	510.1	514.5	512.3	513.7	516.3
15°	503.0	507.5	508.3	515.5	509.3	520.4	519.5	525.2	521.7	524.0	526.2
17.5°	506.6	510.5	512.3	519.0	513.7	524.8	524.0	528.8	526.2	528.4	531.0
20°	504.4	509.3	510.5	517.3	511.9	523.0	521.7	526.6	524.0	525.6	528.4
22.5°	496.3	501.2	503.0	509.3	504.4	514.5	514.1	518.6	515.1	517.3	519.5
25°	482.1	487.5	488.3	494.1	488.7	499.4	498.6	503.4	500.8	502.2	505.2
27.5°	461.7	467.9	469.2	474.1	470.1	479.0	479.0	483.0	479.8	479.8	483.0
30°	437.2	443.4	444.3	448.3	444.7	452.8	453.2	457.2	452.3	455.0	455.4
32.5°	407.4	411.4	414.1	417.7	412.3	422.5	421.1	424.3	421.6	421.6	423.9
35°	371.3	376.3	377.6	382.0	377.6	385.6	385.6	387.4	384.7	384.7	388.3
37.5°	332.2	335.8	336.2	340.7	337.1	343.7	343.3	344.7	342.0	343.7	343.7
40°	286.4	289.1	290.0	292.2	291.8	296.7	296.2	297.1	295.7	296.2	297.1
42.5°	233.1	236.6	238.4	240.2	237.5	244.2	242.8	244.2	243.7	244.2	245.5
45°	171.7	174.3	175.7	176.1	175.2	179.3	182.3	179.7	180.1	179.3	181.1
47.5°	124.1	124.5	123.6	126.3	124.1	125.9	126.7	127.2	124.5	124.1	125.9
50°	84.9	87.1	84.1	85.4	84.9	86.7	85.9	86.3	83.7	84.9	84.1
52.5°	56.5	56.1	55.1	55.6	54.7	54.7	54.7	55.6	53.8	52.9	52.0
55°	34.3	33.3	31.6	31.1	31.1	31.6	30.7	29.8	29.8	29.4	29.4
57.5°	20.0	18.7	17.8	17.3	16.5	16.0	15.5	15.5	14.7	14.7	14.7
60°	11.1	9.7	8.9	8.0	8.0	7.5	7.1	6.7	6.7	6.7	6.2
62.5°	5.8	4.9	4.0	3.6	3.6	3.1	2.6	2.6	2.6	2.6	2.2
65°	4.0	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	1.4	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°	465.3	465.3	465.3	465.3	465.3	465.3	465.3	465.3
2.5°	472.3	471.9	472.3	473.2	471.4	476.8	474.1	476.8
5°	482.6	483.0	483.4	484.8	482.6	489.3	485.7	489.7
7.5°	495.9	496.3	496.8	498.1	496.8	503.4	499.4	503.0
10°	509.7	510.5	510.5	512.7	511.5	517.7	515.1	519.5
12.5°	522.6	523.4	524.4	525.6	524.8	531.5	529.2	532.8
15°	532.8	534.5	535.1	536.7	535.9	543.0	540.3	543.9
17.5°	537.7	539.5	539.5	541.7	540.8	548.4	544.8	548.8
20°	535.1	536.3	536.7	539.1	538.1	545.7	542.1	547.0
22.5°	526.6	527.0	527.4	529.7	529.2	535.9	532.8	535.9
25°	511.0	512.3	511.9	513.7	513.7	519.0	515.5	518.1
27.5°	488.7	490.1	490.1	492.3	490.5	495.9	492.3	496.3
30°	461.7	463.0	462.1	463.9	462.1	467.5	464.7	466.1
32.5°	429.2	429.2	429.6	430.0	429.2	434.1	431.4	434.1
35°	390.5	391.3	391.9	392.3	391.3	394.9	391.9	393.5
37.5°	346.9	349.1	348.7	349.1	347.7	352.2	349.5	350.5
40°	300.2	300.2	299.7	300.7	299.3	302.9	301.1	302.0
42.5°	245.9	247.3	245.5	247.7	244.2	249.1	247.3	245.9
45°	184.6	182.8	182.3	182.8	181.5	181.9	183.3	182.3
47.5°	125.9	125.9	125.0	123.6	125.4	125.9	124.1	124.1
50°	84.5	84.5	83.7	83.1	84.1	83.7	82.7	84.1
52.5°	53.8	52.0	52.0	52.9	52.0	51.2	52.5	51.6
55°	29.4	28.5	28.5	29.4	28.5	28.5	28.0	28.9
57.5°	14.3	14.7	14.3	14.3	14.3	14.3	13.7	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)