

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: P843890

Luminaire Tested: **LD6C08DE010B35 EU6C08B35 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P843890
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: LD6C08DE010B35 EU6C08B35 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

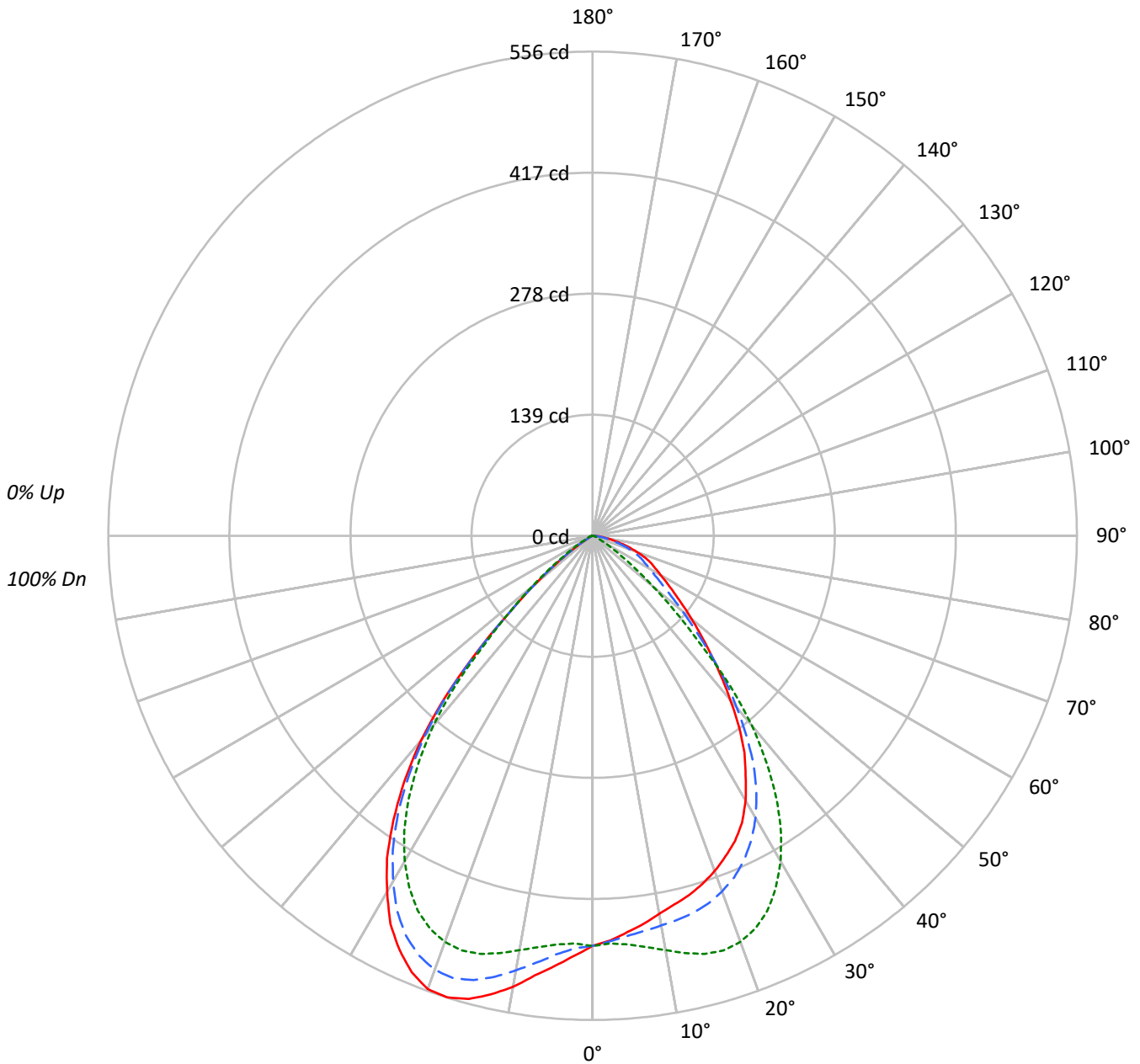
Lumens per Lamp: N/A
Luminaire Lumens: 860.9 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	25820	25820	25820
5°	25149	25919	27278
10°	24538	26892	29280
15°	24251	28212	31254
20°	23901	28948	32314
25°	23397	28731	31732
30°	22231	27308	29872
35°	20345	24614	26669
40°	17597	20331	21884
45°	14831	13335	14312
50°	12588	7718	7258
55°	10924	3699	2800
60°	9868	1732	691
65°	9573	986	233
70°	8591	801	224
75°	7053	572	85
80°	5241	253	0
85°	4529	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	5.3
10°-20°	138.6	16.1
20°-30°	211.8	24.6
30°-40°	221.6	25.7
40°-50°	143.7	16.7
50°-60°	57.1	6.6
60°-70°	27.1	3.1
70°-80°	12.9	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°	396.0	46.0
0°-40°	617.5	71.7
0°-60°	818.3	95.1
0°-90°	860.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	860.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	471	471	471	471	471	
5°	457	461	471	483	496	43
15°	427	448	497	528	551	120
25°	387	411	475	507	525	177
35°	304	322	368	390	398	188
45°	191	190	172	182	185	149
55°	114	97	39	30	29	104
65°	74	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°	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0
2.5°	465.1	466.0	461.1	459.8	463.3	464.7	465.1	463.8	464.2	466.0	466.0
5°	457.0	458.0	453.4	452.0	455.6	456.6	458.0	457.5	458.8	461.6	461.1
7.5°	449.4	450.8	445.8	444.0	448.4	450.8	451.6	451.6	453.4	457.0	457.5
10°	440.8	442.6	438.1	437.2	442.2	444.4	444.8	445.8	448.4	453.4	454.4
12.5°	433.6	435.4	432.3	430.9	436.3	438.6	439.4	441.2	444.4	450.8	451.6
15°	427.3	428.7	425.1	424.1	429.6	432.3	432.7	435.4	439.4	446.6	448.0
17.5°	419.2	420.1	417.4	416.5	421.9	424.6	425.1	428.2	433.2	440.4	442.6
20°	409.7	410.7	407.9	407.1	412.5	415.7	416.1	418.7	424.6	432.3	434.5
22.5°	398.5	400.3	397.1	396.2	401.7	404.3	405.7	407.9	413.9	421.5	424.6
25°	386.8	386.8	384.6	384.1	389.0	392.2	391.7	394.9	400.7	408.4	411.1
27.5°	371.4	371.0	368.8	368.4	373.8	376.4	375.6	378.7	384.1	391.7	394.4
30°	351.2	352.1	349.0	348.1	352.6	357.1	356.6	359.8	365.2	372.4	374.2
32.5°	326.9	327.8	327.3	326.0	330.1	332.3	333.7	335.9	340.5	348.1	349.9
35°	304.0	302.6	300.8	300.8	304.8	308.4	307.0	309.8	314.3	321.9	322.4
37.5°	275.6	275.1	274.2	273.3	277.8	278.7	279.2	281.0	285.0	291.4	290.4
40°	245.9	246.3	245.9	244.0	246.7	250.3	249.9	250.8	254.4	258.9	257.5
42.5°	218.0	218.0	218.0	216.2	219.2	221.0	222.0	221.6	222.4	226.4	224.6
45°	191.3	191.9	191.3	190.9	191.3	192.3	191.3	190.9	190.9	192.3	189.5
47.5°	168.4	168.4	167.1	165.7	167.1	167.5	166.2	164.8	164.4	163.9	159.4
50°	147.6	147.2	146.8	144.6	145.8	146.4	144.6	143.6	141.8	139.6	134.2
52.5°	129.7	129.2	128.8	126.5	127.4	127.9	126.1	124.3	122.1	120.3	113.5
55°	114.3	113.9	113.9	112.5	111.7	112.5	110.7	109.5	106.3	104.0	97.3
57.5°	101.3	101.3	100.4	99.1	99.5	99.5	97.7	95.9	93.2	90.5	85.1
60°	90.0	90.0	90.0	88.7	88.7	88.7	87.8	86.0	83.8	81.0	75.6
62.5°	81.0	81.0	80.6	79.2	79.7	79.7	78.8	77.0	74.8	73.0	67.6
65°	73.8	73.8	73.8	72.6	72.6	73.0	72.0	70.2	68.4	66.2	61.2
67.5°	64.8	64.4	64.4	63.5	64.0	64.4	63.5	62.2	59.9	58.5	54.0
70°	53.6	54.0	54.5	53.1	53.6	53.6	53.1	51.8	50.4	49.1	45.1
72.5°	43.7	43.7	43.3	42.8	42.8	43.3	42.3	40.9	40.1	39.1	36.1
75°	33.3	32.9	33.3	32.5	32.5	32.5	31.5	31.1	30.6	29.3	27.0
77.5°	24.3	23.9	23.9	23.0	23.4	23.4	23.0	22.1	21.2	20.7	18.9
80°	16.6	16.6	16.6	16.2	16.2	15.8	15.8	15.3	14.4	14.0	13.1
82.5°	11.2	11.2	11.2	10.8	10.8	10.8	10.4	9.9	9.4	9.0	8.1
85°	7.2	7.2	7.2	6.8	6.8	6.8	6.3	6.3	5.8	5.4	4.5
87.5°	4.0	4.0	4.0	3.6	3.6	3.6	3.6	3.6	3.2	2.7	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°	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0
2.5°	469.2	462.9	466.9	466.9	465.6	469.2	471.5	473.3	472.8	468.7	468.3
5°	465.6	460.2	464.7	465.1	463.8	468.7	471.9	474.1	474.6	471.0	471.5
7.5°	462.9	458.4	464.2	466.0	465.6	470.1	473.7	477.3	479.1	476.4	476.9
10°	461.6	458.0	464.2	466.9	467.4	472.3	477.7	482.7	484.9	483.1	484.5
12.5°	459.8	457.5	464.7	468.7	470.5	475.5	482.3	488.1	491.7	490.8	493.5
15°	458.0	456.2	464.7	470.5	472.8	477.3	484.9	493.5	497.5	497.1	500.7
17.5°	453.4	453.0	462.0	468.3	471.5	476.9	484.1	494.4	498.5	499.3	503.9
20°	446.2	446.2	456.2	462.9	466.5	471.5	480.5	490.3	495.3	496.2	501.2
22.5°	436.3	437.2	446.6	453.4	458.8	462.4	471.9	482.3	486.7	488.1	493.5
25°	423.3	424.1	433.2	439.9	445.8	449.8	458.8	468.3	473.7	475.0	479.1
27.5°	406.1	407.9	416.5	423.3	428.2	430.9	440.4	450.2	454.4	455.6	459.8
30°	386.4	386.8	395.3	401.2	406.1	408.4	416.5	426.9	430.0	431.4	437.2
32.5°	362.0	361.6	369.6	375.0	379.2	381.8	390.4	397.1	400.3	402.5	405.7
35°	332.7	332.3	338.1	344.5	347.6	348.5	357.1	364.2	366.0	367.8	372.0
37.5°	299.8	299.8	304.8	308.0	311.6	313.0	317.0	325.1	328.3	327.8	330.9
40°	265.3	263.5	267.1	270.1	271.1	271.5	275.6	281.9	284.1	284.1	286.4
42.5°	228.8	226.0	226.4	228.2	229.2	226.0	228.8	232.8	231.4	233.2	233.7
45°	190.1	185.9	184.1	180.1	181.1	177.9	176.1	176.9	176.5	172.0	172.9
47.5°	158.5	151.3	148.2	142.3	141.0	137.4	135.1	131.0	127.4	127.4	125.1
50°	131.9	124.7	118.5	111.7	109.5	106.3	101.3	95.9	93.2	90.5	88.2
52.5°	110.7	103.1	95.4	88.2	85.1	81.0	74.2	68.9	64.0	61.2	58.5
55°	93.7	85.1	77.0	69.4	65.3	61.2	54.5	48.2	42.3	38.7	36.5
57.5°	80.6	72.6	64.0	55.8	52.2	47.7	40.5	33.7	28.3	24.3	22.1
60°	71.2	63.0	55.4	46.9	43.3	38.7	31.1	24.7	19.4	15.8	13.1
62.5°	63.0	55.8	47.7	40.1	36.5	31.9	24.7	18.5	13.5	9.9	7.6
65°	57.2	50.0	43.3	35.5	32.5	27.9	21.2	15.3	10.8	7.6	5.4
67.5°	50.4	44.1	37.3	31.1	27.9	24.3	18.0	13.1	9.0	6.3	4.5
70°	42.3	37.3	31.5	25.7	23.4	20.3	14.8	10.8	7.2	5.0	3.6
72.5°	33.7	29.7	25.2	20.7	18.9	15.8	12.2	8.6	5.4	3.6	2.7
75°	25.7	22.5	18.9	15.8	14.0	12.2	9.0	6.3	4.0	2.7	1.8
77.5°	17.6	16.2	13.5	10.8	9.9	8.6	5.8	4.0	2.7	1.8	0.8
80°	12.2	10.8	9.0	7.2	6.3	5.4	3.6	2.7	1.4	0.8	0.4
82.5°	7.6	6.3	5.4	4.5	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°	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0
2.5°	473.7	473.7	473.3	478.7	472.3	478.7	475.5	478.7	474.1	473.7	474.1
5°	477.3	478.7	479.1	484.1	478.2	485.9	483.1	485.9	482.7	483.6	484.9
7.5°	484.5	486.7	486.3	492.6	486.7	495.3	493.5	497.5	494.4	495.3	497.1
10°	492.6	495.3	495.7	502.1	496.7	507.0	504.7	509.3	506.6	507.9	510.2
12.5°	502.1	505.2	505.7	512.8	507.0	517.8	516.4	521.0	518.7	520.0	522.8
15°	509.3	513.8	514.6	521.8	515.6	526.8	526.0	531.8	528.2	530.4	532.6
17.5°	512.8	517.0	518.7	525.4	520.0	531.4	530.4	535.4	532.6	535.0	537.6
20°	510.6	515.6	517.0	523.6	518.2	529.6	528.2	533.2	530.4	532.2	535.0
22.5°	502.5	507.5	509.3	515.6	510.6	521.0	520.6	525.0	521.4	523.6	526.0
25°	488.1	493.5	494.4	500.3	494.9	505.7	504.7	509.7	507.0	508.4	511.5
27.5°	467.4	473.7	475.0	480.0	475.9	484.9	484.9	488.9	485.9	485.9	488.9
30°	442.6	449.0	449.8	453.8	450.2	458.4	458.8	462.9	458.0	460.6	461.1
32.5°	412.5	416.5	419.2	422.8	417.4	427.8	426.4	429.6	426.9	426.9	429.1
35°	376.0	381.0	382.3	386.8	382.3	390.4	390.4	392.2	389.5	389.5	393.1
37.5°	336.3	339.9	340.5	344.9	341.3	348.1	347.6	349.0	346.3	348.1	348.1
40°	290.0	292.6	293.6	295.8	295.4	300.4	299.8	300.8	299.4	299.8	300.8
42.5°	236.0	239.6	241.4	243.1	240.5	247.2	245.9	247.2	246.7	247.2	248.5
45°	173.8	176.5	177.9	178.3	177.4	181.5	184.6	181.9	182.3	181.5	183.3
47.5°	125.6	126.1	125.1	127.9	125.6	127.4	128.3	128.8	126.1	125.6	127.4
50°	86.0	88.2	85.1	86.4	86.0	87.8	86.9	87.4	84.6	86.0	85.1
52.5°	57.2	56.7	55.8	56.3	55.4	55.4	55.4	56.3	54.5	53.6	52.7
55°	34.7	33.7	31.9	31.5	31.5	31.9	31.1	30.1	30.1	29.7	29.7
57.5°	20.3	18.9	18.0	17.6	16.6	16.2	15.8	15.8	14.8	14.8	14.8
60°	11.2	9.9	9.0	8.1	8.1	7.6	7.2	6.8	6.8	6.8	6.3
62.5°	5.8	5.0	4.0	3.6	3.6	3.2	2.7	2.7	2.7	2.7	2.2
65°	4.0	3.2	2.7	2.2	2.2	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	3.2	2.7	2.2	1.8	1.8	1.8	1.4	1.4	1.4	1.4	1.4
70°	2.7	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°	471.0	471.0	471.0	471.0	471.0	471.0	471.0	471.0
2.5°	478.2	477.7	478.2	479.1	477.3	482.7	480.0	482.7
5°	488.5	488.9	489.5	490.8	488.5	495.3	491.7	495.7
7.5°	502.1	502.5	503.0	504.3	503.0	509.7	505.7	509.3
10°	516.0	517.0	517.0	519.2	517.8	524.2	521.4	526.0
12.5°	529.0	530.0	530.9	532.2	531.4	538.1	535.8	539.4
15°	539.4	541.2	541.7	543.5	542.6	549.8	547.1	550.7
17.5°	544.4	546.2	546.2	548.4	547.5	555.2	551.6	555.7
20°	541.7	543.0	543.5	545.7	544.8	552.5	548.9	553.9
22.5°	533.2	533.6	534.0	536.3	535.8	542.6	539.4	542.6
25°	517.4	518.7	518.2	520.0	520.0	525.4	521.8	524.6
27.5°	494.9	496.2	496.2	498.5	496.7	502.1	498.5	502.5
30°	467.4	468.7	467.8	469.6	467.8	473.3	470.5	471.9
32.5°	434.5	434.5	435.0	435.4	434.5	439.4	436.8	439.4
35°	395.3	396.2	396.7	397.1	396.2	399.9	396.7	398.5
37.5°	351.2	353.5	353.0	353.5	352.1	356.6	353.9	354.8
40°	304.0	304.0	303.4	304.4	303.0	306.6	304.8	305.8
42.5°	249.0	250.3	248.5	250.8	247.2	252.1	250.3	249.0
45°	186.9	185.1	184.6	185.1	183.7	184.1	185.5	184.6
47.5°	127.4	127.4	126.5	125.1	127.0	127.4	125.6	125.6
50°	85.6	85.6	84.6	84.2	85.1	84.6	83.8	85.1
52.5°	54.5	52.7	52.7	53.6	52.7	51.8	53.1	52.2
55°	29.7	28.9	28.9	29.7	28.9	28.9	28.3	29.3
57.5°	14.4	14.8	14.4	14.4	14.4	14.4	14.0	14.4
60°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
62.5°	2.7	2.7	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)