

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: P843965

Luminaire Tested: **LD6C10DE010B2750 EU6C10B35 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B2750 EU6C10B35 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

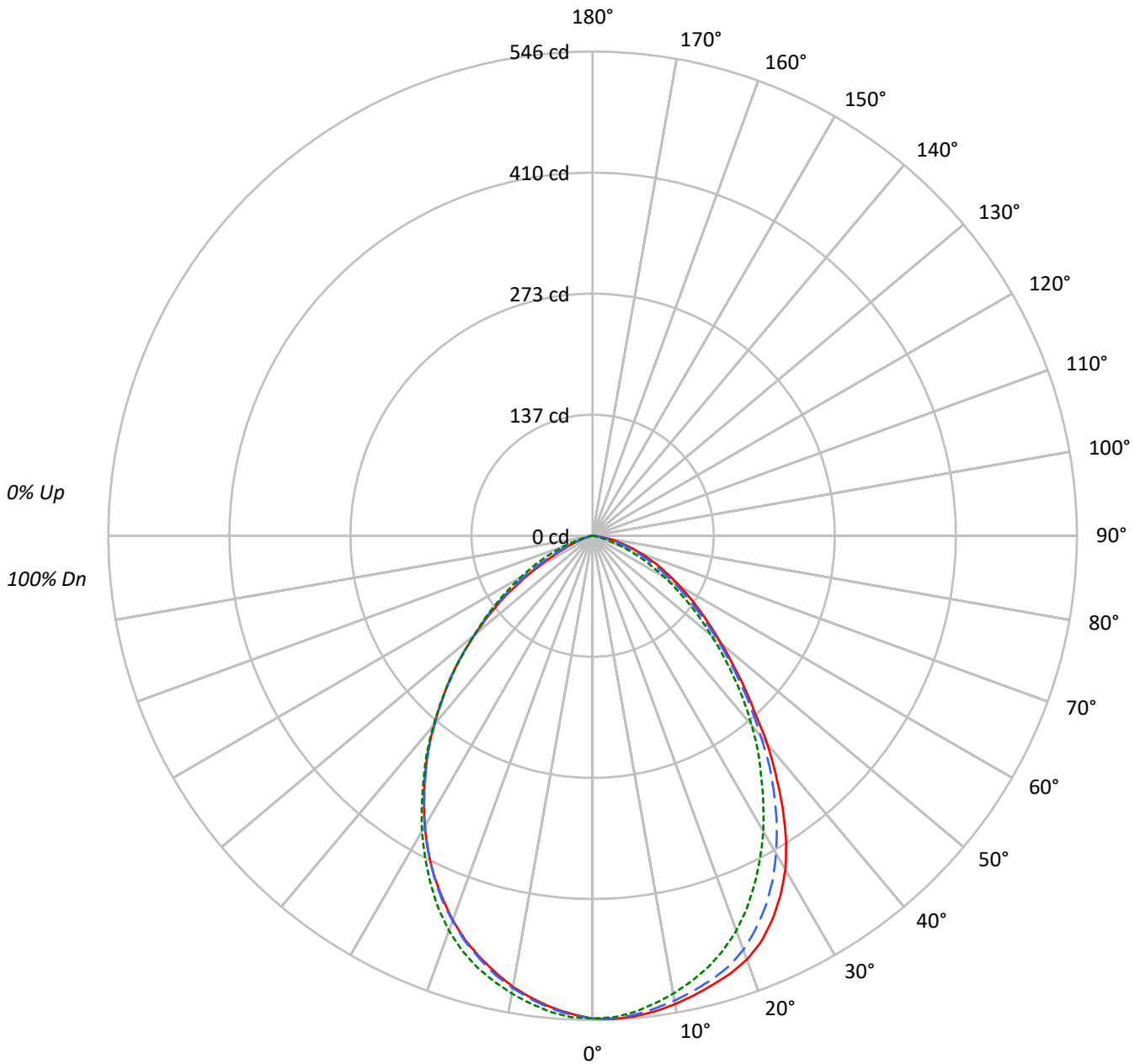
Lumens per Lamp: N/A
Luminaire Lumens: 989.9 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P843965

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B35 6LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P843965

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B35 6LBLWWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54																			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39																			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	29839	29839	29839
5°	29936	29666	29375
10°	29848	29186	28763
15°	29739	28581	27917
20°	29665	27641	26906
25°	28949	26161	25580
30°	27504	24365	23959
35°	24962	22185	22031
40°	21905	19966	19859
45°	18777	17444	17591
50°	16162	14865	14797
55°	14136	12559	11785
60°	12422	10284	8048
65°	10870	7965	4838
70°	9280	5369	2853
75°	7477	2796	1546
80°	5209	1105	852
85°	2076	314	440



TEST NUMBER: P843965

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B35 6LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	5.2
10°-20°	142.4	14.4
20°-30°	202.6	20.5
30°-40°	213.3	21.5
40°-50°	177.7	18.0
50°-60°	120.1	12.1
60°-70°	60.9	6.2
70°-80°	19.6	2.0
80°-90°	2.3	0.2
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	40.0
0°-40°	609.3	61.6
0°-60°	907.2	91.6
0°-90°	989.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	544	544	544	544	544	
5°	544	542	539	535	534	52
15°	524	518	504	494	492	148
25°	479	461	432	424	423	219
35°	373	357	332	328	329	232
45°	242	236	225	226	227	187
55°	148	141	131	127	123	133
65°	84	76	61	44	37	83
75°	35	28	13	7	7	38
85°	3	2	0	1	1	6
90°	0	0	0	0	0	



TEST NUMBER: P843965

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B35 6LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3
2.5°	545.5	545.5	545.5	545.5	545.5	545.5	545.3	545.3	545.0	545.0	544.8
5°	544.0	544.3	544.3	544.0	544.0	543.7	543.7	543.5	543.0	542.6	542.4
7.5°	541.0	541.0	540.8	540.6	540.3	539.8	539.7	539.1	538.8	538.3	537.7
10°	536.2	536.2	536.0	535.6	535.5	535.1	535.1	534.3	533.6	532.7	532.2
12.5°	530.5	530.7	530.3	530.2	529.6	529.5	529.0	528.2	527.5	526.5	525.5
15°	524.0	524.3	524.3	523.5	523.0	522.8	522.3	521.7	520.5	519.4	518.2
17.5°	517.5	517.9	517.5	517.0	516.4	515.7	515.3	514.2	512.6	511.2	509.5
20°	508.5	509.1	508.4	507.5	506.4	506.2	505.7	503.9	501.4	499.2	496.9
22.5°	495.9	495.6	495.0	494.7	492.9	491.7	491.0	488.6	486.1	483.1	480.2
25°	478.6	479.3	478.2	476.6	475.6	474.6	472.7	470.1	467.8	464.6	461.2
27.5°	458.1	458.1	456.6	456.1	454.0	452.6	451.7	449.1	446.0	442.9	439.0
30°	434.5	433.4	433.4	430.8	429.2	428.7	427.7	423.5	420.7	417.4	413.6
32.5°	405.9	405.7	405.0	403.4	401.2	399.4	399.4	396.4	392.8	388.8	386.4
35°	373.0	373.2	372.8	371.0	371.0	368.8	368.5	365.8	363.0	359.8	357.0
37.5°	339.0	339.7	339.0	338.0	337.5	337.4	335.7	333.9	331.7	329.9	327.7
40°	306.1	304.9	305.3	303.5	303.6	303.3	302.6	300.2	298.9	297.1	294.8
42.5°	270.5	271.7	272.0	271.0	270.5	269.8	270.5	269.7	268.2	267.3	265.0
45°	242.2	241.1	241.7	241.2	241.5	240.0	239.4	239.1	238.5	236.9	236.0
47.5°	214.1	214.2	214.1	213.3	212.9	212.9	212.2	211.1	211.1	210.0	209.3
50°	189.5	189.5	189.8	189.0	188.6	187.8	188.0	187.0	186.2	185.3	184.8
52.5°	167.0	167.2	166.5	166.7	166.3	166.3	165.5	164.8	164.1	162.5	162.0
55°	147.9	148.0	147.1	147.4	146.4	145.8	145.4	144.4	144.4	142.7	140.7
57.5°	129.9	129.7	129.6	128.9	128.3	127.7	127.1	125.9	125.3	124.2	122.6
60°	113.3	113.1	112.6	112.5	112.0	110.6	110.6	109.8	108.0	106.8	105.2
62.5°	97.5	97.5	97.3	96.8	96.2	95.7	95.3	94.6	92.8	91.5	90.0
65°	83.8	83.6	83.0	82.2	81.8	81.8	80.5	80.0	78.5	77.2	75.5
67.5°	70.6	69.9	69.5	69.7	68.6	68.6	67.5	66.6	65.3	63.1	61.9
70°	57.9	57.4	57.1	56.7	56.5	55.8	55.2	54.2	52.9	51.2	49.2
72.5°	46.3	46.3	45.7	45.4	44.8	44.1	43.7	42.8	41.4	39.6	38.1
75°	35.3	35.3	35.3	34.6	34.2	33.8	32.8	32.2	30.6	29.4	27.6
77.5°	26.0	25.6	25.1	24.9	24.5	24.1	23.6	22.6	21.3	20.0	18.8
80°	16.5	17.0	16.5	16.5	15.5	15.2	15.0	13.9	13.3	12.3	11.3
82.5°	9.1	9.3	9.0	8.8	8.2	8.0	8.0	7.3	7.0	6.2	5.7
85°	3.3	3.5	3.3	3.3	3.0	3.1	3.0	2.7	2.3	2.0	1.8
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P843965

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B35 6LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3
2.5°	544.8	544.5	544.5	544.3	544.0	544.0	544.0	543.8	543.5	543.5	543.3
5°	542.0	541.7	541.1	540.8	540.6	540.3	540.2	540.0	539.3	539.1	538.5
7.5°	537.1	536.7	535.8	535.5	535.0	534.7	534.0	533.6	532.9	532.2	531.8
10°	531.2	530.3	529.6	528.7	528.3	527.8	526.8	525.7	525.2	524.3	523.5
12.5°	524.7	523.5	522.0	521.0	520.7	519.7	518.2	517.4	516.0	514.6	513.3
15°	516.4	515.2	513.9	511.9	511.3	510.2	508.7	506.9	505.1	503.6	502.2
17.5°	507.5	505.4	503.4	501.2	499.6	499.1	496.7	494.1	492.4	489.9	488.2
20°	494.9	492.1	488.8	486.6	485.1	483.6	480.8	478.1	476.0	473.8	471.4
22.5°	477.4	474.9	471.1	467.8	466.6	464.3	461.9	459.3	456.8	454.5	451.5
25°	457.0	454.3	450.3	447.1	445.3	444.2	439.6	437.0	434.5	432.5	430.5
27.5°	436.0	431.0	428.4	423.3	421.7	421.3	417.1	414.4	411.6	408.9	406.3
30°	409.9	406.1	402.3	398.6	396.4	395.1	392.1	388.6	386.8	384.9	382.3
32.5°	383.1	379.6	374.8	371.3	369.7	367.8	365.1	362.8	360.0	358.0	357.5
35°	354.3	350.5	346.5	343.9	343.5	341.4	338.7	336.6	334.6	331.5	330.9
37.5°	323.6	321.4	318.7	315.0	313.4	313.4	310.6	309.1	306.6	306.4	304.9
40°	293.4	292.5	288.3	287.3	286.8	284.3	283.6	281.0	279.1	279.0	276.8
42.5°	263.6	261.2	260.5	258.7	257.0	256.7	255.0	253.9	253.2	252.0	251.0
45°	233.9	233.4	231.6	230.4	229.7	229.1	228.4	226.3	225.9	225.0	224.4
47.5°	208.4	206.9	205.3	203.8	203.6	202.5	201.3	201.3	199.3	199.0	198.6
50°	183.0	181.8	181.0	179.0	179.3	177.8	177.7	176.0	175.0	174.3	175.2
52.5°	160.7	158.4	158.0	156.4	155.9	156.0	154.0	153.5	153.1	152.4	152.0
55°	139.4	138.3	136.9	135.7	134.8	133.9	133.2	133.2	131.1	131.4	130.4
57.5°	120.8	119.8	118.0	116.3	116.0	114.9	114.0	113.1	112.8	111.6	110.6
60°	104.1	102.5	100.1	99.3	98.3	97.3	96.5	95.3	94.8	93.8	92.2
62.5°	88.5	85.8	84.9	83.4	82.2	81.5	80.2	78.8	77.9	76.7	75.4
65°	73.7	71.7	70.0	68.4	68.2	66.7	65.5	64.4	62.6	61.4	59.1
67.5°	60.2	58.4	56.5	54.9	53.6	53.2	51.2	49.9	48.7	46.4	44.4
70°	47.7	45.9	44.4	42.4	41.9	40.4	38.9	37.7	35.5	33.5	31.8
72.5°	36.4	34.4	32.8	31.3	30.4	29.1	27.6	26.1	24.0	22.0	20.5
75°	26.0	24.5	22.8	21.4	20.6	20.0	18.3	16.6	15.2	13.2	11.8
77.5°	17.6	16.1	14.6	13.3	12.5	11.8	10.8	9.5	8.2	7.1	6.2
80°	10.3	9.3	8.2	7.1	7.0	6.5	5.5	4.8	4.0	3.5	2.7
82.5°	5.0	4.4	3.7	3.1	2.7	2.5	2.2	1.8	1.5	1.3	1.3
85°	1.5	1.3	1.1	1.0	0.7	0.7	0.5	0.5	0.5	0.5	0.5
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P843965

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B35 6LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3
2.5°	542.8	542.6	542.4	542.2	541.8	541.8	541.3	541.0	541.0	540.6	540.3
5°	538.0	537.5	537.3	537.0	536.5	536.3	535.6	535.5	535.1	534.7	534.7
7.5°	531.2	530.5	529.8	529.5	529.2	528.7	528.3	528.2	527.5	527.2	526.5
10°	522.3	521.7	520.8	520.5	520.0	519.7	518.8	518.2	518.0	517.7	517.4
12.5°	511.9	511.2	510.2	509.5	509.1	508.5	507.7	507.1	507.1	506.4	506.4
15°	500.7	499.6	497.9	497.2	497.1	495.9	495.2	494.4	493.6	493.2	493.2
17.5°	486.4	484.6	483.1	483.1	482.4	481.3	480.2	479.6	479.1	478.4	478.1
20°	469.6	468.3	466.6	466.6	465.0	464.6	463.6	463.3	462.1	462.3	461.8
22.5°	449.3	448.5	447.7	447.0	446.0	444.9	444.3	444.5	444.0	443.8	443.6
25°	428.8	426.8	425.7	425.3	425.0	424.0	423.7	423.5	423.5	422.9	423.2
27.5°	405.2	403.7	402.3	402.9	402.1	401.6	401.2	400.6	400.9	400.8	400.9
30°	381.1	379.3	378.3	378.6	378.5	377.0	377.8	377.6	377.8	377.8	378.1
32.5°	355.6	354.3	354.2	354.3	352.7	352.9	352.2	353.2	353.5	354.5	353.6
35°	329.9	329.1	327.9	327.7	327.9	327.7	327.7	328.4	328.2	329.2	328.9
37.5°	303.3	302.9	301.6	302.1	301.3	302.6	302.9	302.6	303.9	303.5	303.3
40°	277.3	276.8	276.0	277.5	276.6	275.8	277.1	276.0	276.5	277.5	277.5
42.5°	251.0	250.0	250.0	250.0	249.9	249.9	250.4	251.0	250.7	250.8	252.2
45°	224.4	224.3	223.7	224.1	223.9	224.9	224.9	225.2	225.9	226.7	226.3
47.5°	198.8	198.5	199.0	198.6	198.8	198.3	198.6	199.8	200.6	199.4	200.6
50°	174.9	174.2	174.0	174.5	174.3	174.2	174.5	174.5	174.2	174.2	175.5
52.5°	152.0	151.2	150.7	151.7	151.1	151.2	150.6	150.6	150.9	150.6	150.0
55°	130.6	130.1	129.3	129.7	128.8	128.6	127.9	127.9	127.3	126.9	125.9
57.5°	110.1	109.8	108.1	108.0	108.1	106.8	105.6	105.0	103.5	103.2	103.0
60°	92.0	90.0	89.1	88.0	87.3	86.7	85.2	84.3	82.2	80.9	80.7
62.5°	73.2	72.2	71.2	69.5	69.2	67.4	65.9	63.5	62.4	60.7	59.1
65°	58.0	55.6	53.9	53.1	51.6	49.9	48.3	45.7	44.4	42.4	40.8
67.5°	42.4	40.4	38.3	37.5	36.2	34.2	32.6	30.4	29.3	27.4	26.9
70°	29.1	27.3	25.6	24.5	23.6	21.6	20.0	19.2	18.1	17.8	17.8
72.5°	18.6	17.0	15.2	14.6	13.9	12.8	11.7	11.3	11.7	11.5	11.5
75°	10.5	9.5	8.2	7.7	7.7	7.3	7.1	7.1	7.1	7.1	7.1
77.5°	5.3	4.8	4.4	4.2	4.2	4.2	4.4	4.4	4.4	4.5	4.4
80°	2.5	2.3	2.3	2.3	2.5	2.5	2.5	2.5	2.5	2.7	2.5
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P843965

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B35 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3
2.5°	540.2	539.8	539.8	539.7	539.7	539.7	539.7	539.8
5°	534.3	534.2	534.2	533.8	533.8	533.8	533.8	533.8
7.5°	526.5	526.2	526.3	526.0	526.0	526.2	526.0	525.7
10°	516.8	516.7	516.8	516.8	516.4	516.2	516.4	516.7
12.5°	505.9	505.7	505.2	505.4	505.4	505.2	505.1	504.7
15°	493.0	492.9	492.6	492.4	492.3	492.4	492.3	491.9
17.5°	478.1	478.1	477.8	477.6	477.4	477.1	477.3	477.8
20°	461.9	461.8	461.3	461.6	460.8	460.5	460.6	461.2
22.5°	443.5	442.9	443.3	442.7	442.7	442.9	442.7	442.3
25°	423.3	422.6	422.9	423.2	423.2	422.9	422.7	422.9
27.5°	400.9	401.6	401.6	401.2	401.7	400.9	401.4	401.6
30°	378.1	377.6	377.4	378.1	379.3	378.3	378.3	378.5
32.5°	354.5	353.8	353.8	354.2	354.0	354.0	354.7	353.8
35°	329.2	329.7	328.2	329.1	329.5	329.1	329.2	329.2
37.5°	303.9	303.5	303.5	303.5	304.1	304.1	304.4	304.2
40°	278.8	278.1	277.8	278.3	277.5	278.1	278.1	277.5
42.5°	251.7	251.9	252.8	251.9	252.0	251.9	251.5	251.4
45°	226.7	227.2	226.9	226.7	226.9	226.1	226.3	226.9
47.5°	200.1	201.3	200.1	200.8	200.6	200.3	200.0	199.3
50°	175.2	175.6	175.5	175.2	175.0	174.9	174.0	173.5
52.5°	149.9	149.9	149.9	149.9	148.0	148.9	148.5	147.4
55°	124.9	125.5	124.8	124.8	123.5	123.5	123.1	123.3
57.5°	101.0	100.5	99.8	99.8	98.6	98.0	97.5	96.8
60°	78.7	78.2	77.4	76.5	75.2	75.2	74.8	73.4
62.5°	57.6	56.7	56.2	55.4	54.4	53.6	53.1	53.4
65°	39.6	38.6	37.9	37.9	37.9	37.5	37.3	37.3
67.5°	26.0	26.5	26.1	26.5	26.5	26.1	26.0	26.3
70°	18.0	18.0	17.8	17.8	17.8	17.8	17.6	17.8
72.5°	11.5	11.5	11.5	11.7	11.5	11.5	11.7	11.7
75°	7.3	7.3	7.3	7.5	7.3	7.3	7.5	7.3
77.5°	4.4	4.5	4.5	4.5	4.5	4.4	4.5	4.5
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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)