

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: P843880

Luminaire Tested: **LD6C08DE010B35 EU6C08B35 6LBLWWH**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P843880
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: LD6C08DE010B35 EU6C08B35 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

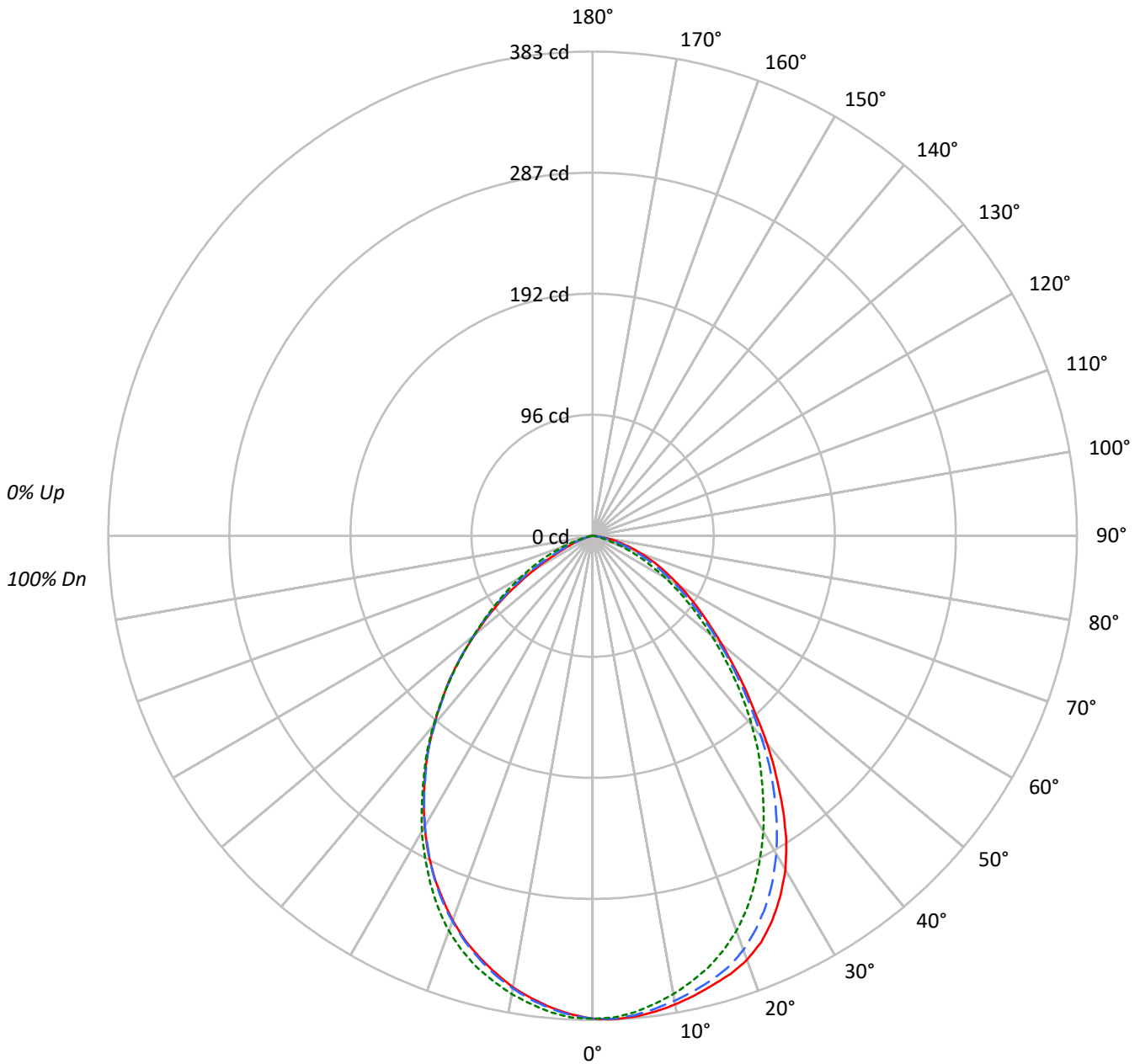
Lumens per Lamp: N/A
Luminaire Lumens: 694.9 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P843880

CATALOG NUMBER: LD6C08DE010B35 EU6C08B35 6LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P843880

CATALOG NUMBER: LD6C08DE010B35 EU6C08B35 6LBLWWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89				89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78				78
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68				68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60				60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54				54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48				48
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43				43
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39				39
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36				36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33				33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20941	20941	20941
5°	21016	20823	20620
10°	20953	20491	20190
15°	20868	20063	19597
20°	20827	19403	18884
25°	20318	18358	17959
30°	19300	17098	16819
35°	17527	15573	15466
40°	15372	14012	13940
45°	13180	12242	12342
50°	11351	10439	10379
55°	9921	8812	8267
60°	8716	7225	5646
65°	7627	5604	3399
70°	6508	3767	2004
75°	5232	1949	1101
80°	3631	758	600
85°	1447	252	314



TEST NUMBER: P843880

CATALOG NUMBER: LD6C08DE010B35 EU6C08B35 6LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	5.2
10°-20°	100.0	14.4
20°-30°	142.2	20.5
30°-40°	149.7	21.5
40°-50°	124.8	18.0
50°-60°	84.3	12.1
60°-70°	42.7	6.1
70°-80°	13.8	2.0
80°-90°	1.6	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°	278.0	40.0
0°-40°	427.7	61.6
0°-60°	636.8	91.6
0°-90°	694.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	694.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	382	382	382	382	382	
5°	382	381	378	376	375	36
15°	368	364	354	346	345	104
25°	336	324	304	297	297	154
35°	262	251	233	230	231	163
45°	170	166	158	158	159	132
55°	104	99	92	89	86	93
65°	59	53	43	31	26	59
75°	25	19	9	5	5	27
85°	2	1	0	0	0	4
90°	0	0	0	0	0	



TEST NUMBER: P843880

CATALOG NUMBER: LD6C08DE010B35 EU6C08B35 6LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0
2.5°	382.9	382.9	382.9	382.9	382.9	382.9	382.8	382.8	382.5	382.5	382.4
5°	381.9	382.0	382.0	381.9	381.9	381.6	381.6	381.5	381.1	380.9	380.7
7.5°	379.7	379.7	379.6	379.5	379.3	379.0	378.8	378.4	378.2	377.9	377.4
10°	376.4	376.4	376.2	376.0	375.9	375.6	375.6	375.0	374.6	373.9	373.6
12.5°	372.4	372.5	372.3	372.1	371.8	371.7	371.3	370.7	370.3	369.5	368.9
15°	367.7	368.1	368.1	367.5	367.1	367.0	366.6	366.3	365.3	364.6	363.8
17.5°	363.3	363.5	363.3	362.9	362.5	362.0	361.7	361.0	359.8	358.7	357.6
20°	357.0	357.4	356.8	356.2	355.5	355.3	354.9	353.7	352.0	350.4	348.7
22.5°	348.1	347.9	347.4	347.2	346.0	345.1	344.7	343.0	341.2	339.1	337.1
25°	335.9	336.4	335.7	334.5	333.9	333.0	331.8	330.0	328.3	326.2	323.7
27.5°	321.5	321.5	320.5	320.1	318.7	317.7	317.1	315.3	313.1	310.8	308.2
30°	304.9	304.2	304.2	302.4	301.2	300.9	300.3	297.3	295.3	293.1	290.3
32.5°	284.9	284.8	284.3	283.1	281.6	280.3	280.3	278.3	275.7	272.9	271.2
35°	261.9	262.0	261.7	260.4	260.4	258.9	258.6	256.8	254.8	252.6	250.6
37.5°	238.0	238.5	238.0	237.3	236.9	236.8	235.6	234.4	232.8	231.5	229.9
40°	214.8	214.1	214.3	213.0	213.1	212.9	212.4	210.7	209.8	208.6	206.9
42.5°	190.0	190.7	190.9	190.2	190.0	189.4	190.0	189.3	188.3	187.6	186.0
45°	170.0	169.2	169.6	169.3	169.5	168.5	168.1	167.8	167.4	166.3	165.6
47.5°	150.2	150.4	150.2	149.8	149.4	149.4	148.9	148.2	148.2	147.4	146.9
50°	133.1	133.1	133.3	132.6	132.4	131.9	132.0	131.3	130.7	130.1	129.7
52.5°	117.2	117.4	116.9	117.0	116.8	116.8	116.2	115.7	115.2	114.0	113.8
55°	103.8	103.9	103.2	103.5	102.7	102.4	102.1	101.3	101.3	100.2	98.8
57.5°	91.2	91.1	91.0	90.5	90.0	89.6	89.3	88.3	88.0	87.1	86.0
60°	79.5	79.3	79.1	79.0	78.6	77.7	77.7	77.0	75.7	75.0	73.8
62.5°	68.4	68.4	68.3	67.9	67.6	67.2	66.9	66.4	65.2	64.2	63.1
65°	58.8	58.7	58.3	57.6	57.4	57.4	56.5	56.2	55.1	54.2	53.0
67.5°	49.6	49.1	48.8	49.0	48.1	48.1	47.4	46.7	45.8	44.3	43.4
70°	40.6	40.3	40.1	39.8	39.7	39.1	38.8	38.0	37.1	36.0	34.6
72.5°	32.5	32.5	32.2	31.8	31.4	31.0	30.7	30.0	29.0	27.7	26.8
75°	24.7	24.7	24.7	24.2	24.0	23.8	23.0	22.6	21.5	20.6	19.4
77.5°	18.2	18.0	17.6	17.5	17.2	16.9	16.6	16.0	14.9	14.0	13.2
80°	11.5	12.0	11.5	11.5	10.9	10.7	10.6	9.7	9.4	8.6	7.9
82.5°	6.5	6.6	6.2	6.1	5.8	5.6	5.6	5.2	4.9	4.3	4.0
85°	2.3	2.4	2.3	2.3	2.0	2.2	2.0	1.9	1.7	1.4	1.3
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P843880

CATALOG NUMBER: LD6C08DE010B35 EU6C08B35 6LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0
2.5°	382.4	382.1	382.1	382.0	381.9	381.9	381.9	381.8	381.5	381.5	381.4
5°	380.4	380.2	379.8	379.6	379.5	379.3	379.2	379.1	378.5	378.4	378.0
7.5°	377.0	376.7	376.1	375.9	375.5	375.4	374.8	374.6	374.1	373.6	373.2
10°	372.9	372.3	371.8	371.1	370.8	370.5	369.9	369.0	368.7	368.1	367.5
12.5°	368.3	367.5	366.5	365.7	365.4	364.8	363.8	363.1	362.2	361.2	360.3
15°	362.5	361.6	360.7	359.3	358.9	358.1	357.1	355.8	354.5	353.5	352.5
17.5°	356.2	354.8	353.4	351.9	350.7	350.3	348.6	346.8	345.6	343.8	342.7
20°	347.3	345.4	343.1	341.5	340.6	339.4	337.5	335.5	334.1	332.6	330.9
22.5°	335.2	333.4	330.6	328.3	327.5	325.9	324.3	322.5	320.7	319.0	316.9
25°	320.8	318.9	316.1	313.8	312.5	311.8	308.5	306.7	304.9	303.5	302.2
27.5°	306.0	302.5	300.7	297.1	295.9	295.7	292.8	290.8	288.9	287.0	285.2
30°	287.8	285.0	282.4	279.8	278.3	277.3	275.2	272.8	271.5	270.1	268.3
32.5°	268.9	266.4	263.1	260.7	259.5	258.3	256.3	254.7	252.7	251.3	250.9
35°	248.8	246.0	243.1	241.5	241.1	239.7	237.7	236.3	234.9	232.7	232.3
37.5°	227.2	225.6	223.7	221.2	220.0	220.0	218.1	217.0	215.2	215.1	214.1
40°	205.9	205.3	202.3	201.6	201.4	199.6	199.0	197.2	196.0	195.8	194.3
42.5°	185.1	183.4	182.9	181.6	180.4	180.1	179.0	178.2	177.7	176.9	176.2
45°	164.3	163.8	162.6	161.7	161.3	160.8	160.3	158.9	158.5	157.9	157.6
47.5°	146.3	145.2	144.0	143.1	142.9	142.1	141.3	141.3	139.8	139.7	139.5
50°	128.4	127.7	127.0	125.5	125.9	124.8	124.7	123.5	122.9	122.4	123.0
52.5°	112.7	111.2	110.9	109.8	109.4	109.6	108.1	107.8	107.5	106.9	106.7
55°	97.8	97.1	96.0	95.3	94.7	94.0	93.5	93.5	92.1	92.2	91.6
57.5°	84.7	84.1	82.8	81.6	81.4	80.6	80.0	79.3	79.2	78.4	77.7
60°	73.1	71.9	70.2	69.7	69.0	68.3	67.7	66.9	66.5	65.9	64.7
62.5°	62.2	60.2	59.5	58.6	57.6	57.2	56.3	55.3	54.7	53.8	52.9
65°	51.7	50.3	49.2	48.0	47.9	46.9	46.0	45.2	43.9	43.2	41.5
67.5°	42.2	40.9	39.7	38.5	37.7	37.3	36.0	35.0	34.2	32.6	31.2
70°	33.5	32.3	31.2	29.8	29.4	28.3	27.4	26.4	25.0	23.5	22.3
72.5°	25.6	24.1	23.0	22.0	21.4	20.4	19.4	18.4	16.8	15.4	14.4
75°	18.2	17.2	16.1	15.0	14.5	14.0	12.8	11.6	10.7	9.2	8.4
77.5°	12.4	11.3	10.3	9.4	8.8	8.4	7.6	6.7	5.8	5.0	4.3
80°	7.2	6.6	5.8	5.0	4.9	4.4	3.8	3.4	2.9	2.4	1.9
82.5°	3.5	3.1	2.5	2.2	1.9	1.8	1.6	1.3	1.1	0.8	0.8
85°	1.1	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P843880

CATALOG NUMBER: LD6C08DE010B35 EU6C08B35 6LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0
2.5°	381.0	380.9	380.7	380.6	380.3	380.3	380.0	379.7	379.7	379.5	379.3
5°	377.7	377.3	377.2	376.8	376.6	376.5	376.0	375.9	375.6	375.4	375.4
7.5°	372.9	372.4	371.9	371.7	371.4	371.1	370.8	370.7	370.3	370.1	369.5
10°	366.6	366.3	365.6	365.3	365.1	364.8	364.1	363.8	363.6	363.4	363.1
12.5°	359.3	358.7	358.1	357.6	357.4	357.0	356.3	355.9	355.9	355.5	355.5
15°	351.5	350.7	349.5	349.0	348.9	348.1	347.6	347.1	346.5	346.2	346.2
17.5°	341.4	340.1	339.1	339.1	338.7	337.8	337.1	336.6	336.3	335.8	335.5
20°	329.7	328.7	327.5	327.5	326.4	326.2	325.4	325.2	324.4	324.5	324.1
22.5°	315.4	314.9	314.2	313.7	313.1	312.3	311.9	312.0	311.7	311.5	311.4
25°	301.0	299.5	298.8	298.6	298.3	297.6	297.4	297.3	297.3	296.9	297.0
27.5°	284.4	283.4	282.4	282.7	282.3	281.9	281.6	281.2	281.4	281.3	281.4
30°	267.5	266.2	265.6	265.8	265.7	264.6	265.1	265.0	265.1	265.1	265.5
32.5°	249.6	248.8	248.5	248.8	247.6	247.7	247.2	247.9	248.1	248.9	248.2
35°	231.5	231.0	230.1	229.9	230.1	229.9	229.9	230.5	230.4	231.1	230.9
37.5°	212.9	212.7	211.7	211.9	211.5	212.4	212.7	212.4	213.3	213.0	212.9
40°	194.7	194.3	193.8	194.8	194.2	193.7	194.5	193.8	194.1	194.8	194.8
42.5°	176.2	175.6	175.6	175.6	175.4	175.4	175.8	176.2	175.9	176.1	177.0
45°	157.6	157.4	157.1	157.3	157.2	157.8	157.8	158.1	158.5	159.1	158.9
47.5°	139.6	139.3	139.7	139.5	139.6	139.2	139.5	140.2	140.9	139.9	140.9
50°	122.8	122.3	122.2	122.5	122.4	122.3	122.5	122.5	122.3	122.3	123.1
52.5°	106.7	106.2	105.8	106.4	106.1	106.2	105.7	105.7	106.0	105.7	105.3
55°	91.7	91.3	90.7	91.1	90.4	90.3	89.8	89.8	89.4	89.2	88.3
57.5°	77.3	77.0	75.9	75.7	75.9	75.0	74.1	73.7	72.7	72.4	72.3
60°	64.6	63.1	62.5	61.8	61.2	60.8	59.9	59.2	57.6	56.8	56.6
62.5°	51.4	50.8	49.9	48.8	48.5	47.3	46.2	44.5	43.8	42.6	41.5
65°	40.7	39.0	37.9	37.2	36.2	35.0	34.0	32.2	31.2	29.8	28.7
67.5°	29.8	28.3	26.9	26.3	25.4	24.0	22.8	21.4	20.5	19.2	18.8
70°	20.4	19.1	18.0	17.2	16.6	15.1	14.0	13.4	12.7	12.5	12.5
72.5°	13.1	12.0	10.7	10.3	9.7	9.0	8.2	7.9	8.2	8.0	8.0
75°	7.3	6.7	5.8	5.4	5.4	5.2	5.0	5.0	5.0	5.0	5.0
77.5°	3.7	3.4	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.1
80°	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1
85°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P843880

CATALOG NUMBER: LD6C08DE010B35 EU6C08B35 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	382.0	382.0	382.0	382.0	382.0	382.0	382.0	382.0
2.5°	379.2	379.0	379.0	378.8	378.8	378.8	378.8	379.0
5°	375.0	374.9	374.9	374.7	374.7	374.7	374.7	374.7
7.5°	369.5	369.3	369.4	369.2	369.2	369.3	369.2	369.0
10°	362.8	362.7	362.8	362.8	362.5	362.3	362.5	362.7
12.5°	355.0	354.9	354.6	354.8	354.8	354.6	354.5	354.3
15°	346.1	346.0	345.8	345.6	345.5	345.6	345.5	345.3
17.5°	335.5	335.5	335.4	335.3	335.2	334.8	335.1	335.4
20°	324.3	324.1	323.8	324.0	323.4	323.2	323.3	323.7
22.5°	311.3	310.8	311.2	310.7	310.7	310.8	310.7	310.5
25°	297.1	296.7	296.9	297.0	297.0	296.9	296.8	296.9
27.5°	281.4	281.9	281.9	281.6	282.0	281.4	281.8	281.9
30°	265.5	265.0	264.9	265.5	266.2	265.6	265.6	265.7
32.5°	248.9	248.3	248.3	248.5	248.4	248.4	249.0	248.3
35°	231.1	231.4	230.4	231.0	231.3	231.0	231.1	231.1
37.5°	213.3	213.0	213.0	213.0	213.4	213.4	213.6	213.5
40°	195.7	195.1	195.0	195.3	194.8	195.1	195.1	194.8
42.5°	176.7	176.8	177.5	176.8	176.9	176.8	176.5	176.4
45°	159.1	159.5	159.2	159.1	159.2	158.8	158.9	159.2
47.5°	140.5	141.3	140.5	141.0	140.9	140.6	140.3	139.8
50°	123.0	123.3	123.1	123.0	122.9	122.8	122.2	121.7
52.5°	105.1	105.1	105.1	105.1	103.9	104.5	104.3	103.5
55°	87.7	88.1	87.6	87.6	86.7	86.7	86.4	86.5
57.5°	70.9	70.5	70.1	70.1	69.2	68.9	68.4	67.9
60°	55.2	54.8	54.4	53.6	52.8	52.8	52.6	51.5
62.5°	40.4	39.8	39.4	38.9	38.2	37.7	37.2	37.5
65°	27.7	27.1	26.5	26.5	26.5	26.3	26.2	26.2
67.5°	18.2	18.6	18.4	18.6	18.6	18.4	18.2	18.5
70°	12.6	12.6	12.5	12.5	12.5	12.5	12.4	12.5
72.5°	8.0	8.0	8.0	8.2	8.0	8.0	8.2	8.2
75°	5.2	5.2	5.2	5.3	5.2	5.2	5.3	5.2
77.5°	3.1	3.2	3.2	3.2	3.2	3.1	3.2	3.2
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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)