

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: P843898

Luminaire Tested: **LD6C08DE010B40 EU6C08B40 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08DE010B40 EU6C08B40 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

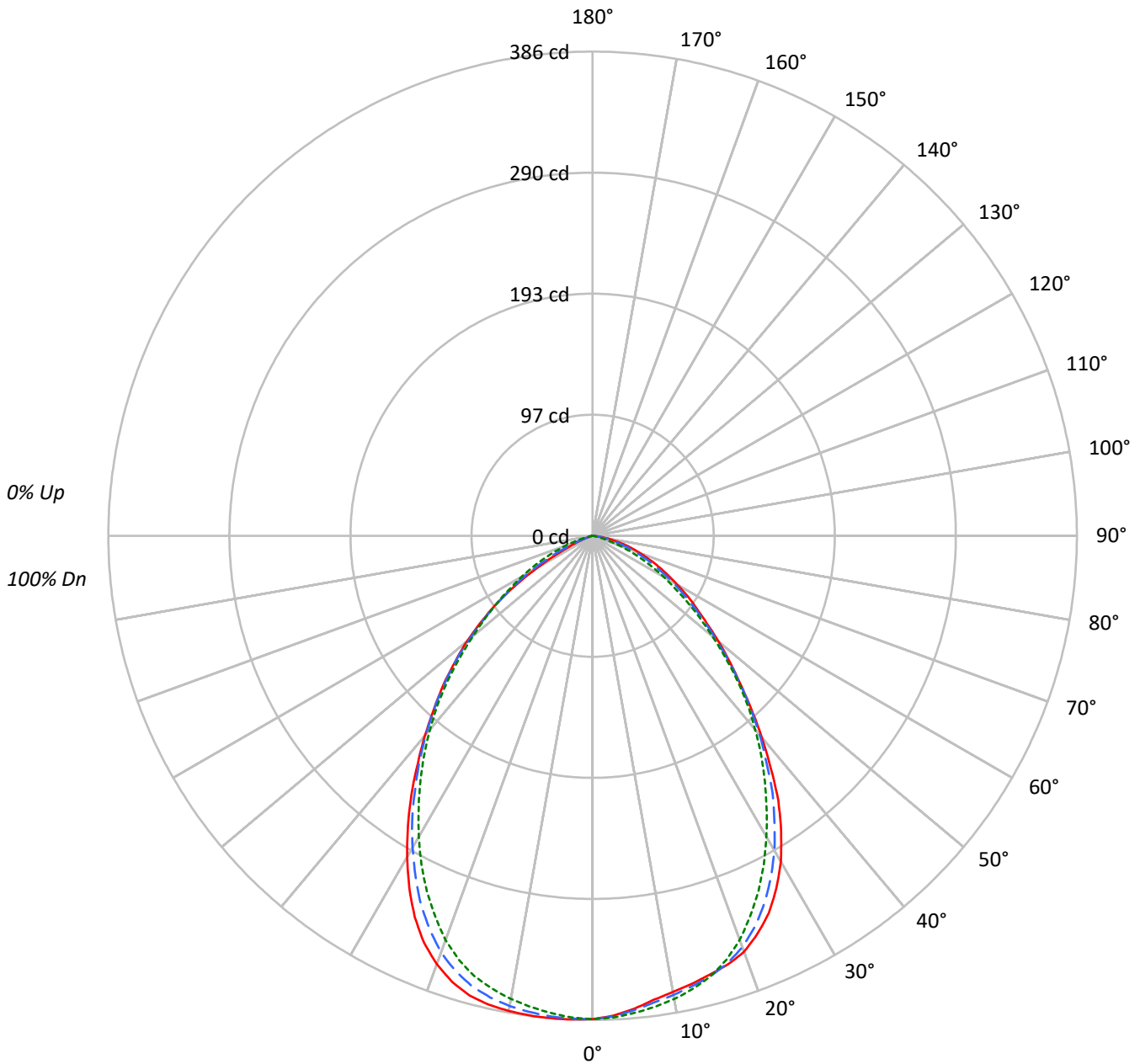
Lumens per Lamp: N/A
Luminaire Lumens: 708.6 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P843898

CATALOG NUMBER: LD6C08DE010B40 EU6C08B40 6LBLWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P843898

CATALOG NUMBER: LD6C08DE010B40 EU6C08B40 6LBLWWLI

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	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89																			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78																			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69																			
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61																			
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54																			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																			
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44																			
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	21122	21122	21122
5°	20829	21016	21241
10°	20552	20875	21415
15°	20545	20630	21527
20°	20588	19998	21200
25°	20088	18908	20287
30°	18997	17534	18712
35°	17273	16015	16851
40°	15007	14420	14871
45°	12862	12645	13048
50°	11155	10601	11130
55°	9682	8803	8764
60°	8519	7127	5548
65°	7472	5422	2659
70°	6427	3590	978
75°	5210	1504	275
80°	3536	379	126
85°	1447	63	63



TEST NUMBER: P843898

CATALOG NUMBER: LD6C08DE010B40 EU6C08B40 6LBLWWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	5.1
10°-20°	103.4	14.6
20°-30°	148.1	20.9
30°-40°	154.4	21.8
40°-50°	127.9	18.0
50°-60°	84.8	12.0
60°-70°	41.1	5.8
70°-80°	11.6	1.6
80°-90°	1.1	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°	287.8	40.6
0°-40°	442.1	62.4
0°-60°	654.8	92.4
0°-90°	708.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	385	385	385	385	385	
5°	378	380	382	385	386	36
15°	362	363	364	372	379	102
25°	332	324	313	324	335	152
35°	258	250	239	247	252	160
45°	166	166	163	167	168	129
55°	101	98	92	90	92	91
65°	58	52	42	29	20	57
75°	25	19	7	1	1	26
85°	2	1	0	0	0	4
90°	0	0	0	0	0	



TEST NUMBER: P843898

CATALOG NUMBER: LD6C08DE010B40 EU6C08B40 6LBLWWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3
2.5°	382.9	383.0	383.3	383.0	383.2	383.3	383.3	383.4	383.4	383.5	383.6
5°	378.5	379.0	379.0	379.0	379.0	379.1	379.2	379.2	379.1	379.1	379.6
7.5°	373.1	373.5	373.3	373.5	373.6	374.0	373.9	374.1	374.4	374.7	375.2
10°	369.2	369.4	369.2	369.6	369.9	370.2	370.2	370.4	370.7	371.0	371.7
12.5°	365.8	365.9	366.0	366.4	366.6	366.5	366.7	367.0	367.1	367.3	367.7
15°	362.0	362.7	362.6	362.7	362.8	362.9	363.0	363.2	363.0	363.0	363.3
17.5°	358.4	358.5	358.7	358.7	358.7	358.7	358.4	358.4	358.1	357.7	357.4
20°	352.9	352.8	352.6	352.6	352.1	352.2	351.7	351.5	350.8	349.9	349.0
22.5°	343.4	344.0	343.8	342.9	342.4	342.4	341.9	340.8	339.7	338.8	337.6
25°	332.1	331.9	331.5	330.9	330.2	329.7	328.9	328.2	326.5	324.7	323.7
27.5°	317.0	317.3	316.4	315.7	315.3	314.5	313.8	312.7	310.7	309.1	307.5
30°	300.1	299.7	299.6	298.6	297.6	297.8	296.3	295.2	293.7	291.1	289.7
32.5°	279.6	280.1	279.3	279.1	277.2	277.0	277.0	275.2	273.9	271.5	269.6
35°	258.1	257.7	257.5	256.6	256.5	255.7	255.1	253.8	252.1	251.4	249.9
37.5°	233.1	233.2	233.3	233.3	232.8	232.3	231.8	231.8	229.5	229.1	227.3
40°	209.7	210.2	210.0	209.1	209.3	209.4	209.3	209.1	207.7	207.2	207.0
42.5°	187.1	187.7	187.1	187.0	187.1	187.1	186.9	187.2	186.6	187.1	185.9
45°	165.9	166.5	166.2	165.9	165.7	166.4	165.6	166.3	165.8	165.2	165.5
47.5°	147.8	147.2	147.8	147.5	147.1	146.6	147.4	147.0	146.2	146.0	146.3
50°	130.8	130.6	130.8	130.7	130.1	130.1	130.0	129.7	129.5	128.7	128.2
52.5°	114.6	115.6	115.0	115.6	114.6	114.3	114.4	114.0	113.6	113.3	112.3
55°	101.3	101.4	101.4	101.4	100.9	100.7	100.5	100.2	100.2	99.0	98.0
57.5°	89.7	89.5	89.4	88.9	88.7	88.4	88.2	87.5	86.7	85.7	84.9
60°	77.7	78.1	78.1	77.5	77.1	76.8	76.7	76.1	75.2	74.2	73.1
62.5°	67.5	67.7	67.1	67.1	66.3	66.2	66.2	65.5	64.4	63.2	62.0
65°	57.6	57.5	57.7	56.9	57.0	56.3	56.1	55.6	54.6	53.2	52.0
67.5°	48.3	48.7	48.2	48.0	47.5	47.3	47.0	45.8	45.3	44.0	42.7
70°	40.1	39.9	39.6	39.6	39.0	38.7	38.6	37.3	36.7	35.6	34.3
72.5°	32.4	32.0	31.8	31.4	31.1	30.9	30.1	29.4	28.7	27.4	26.3
75°	24.6	24.5	24.3	24.0	23.4	23.2	23.1	22.1	20.7	19.8	18.8
77.5°	17.8	18.0	17.5	16.9	16.5	16.2	15.9	15.1	14.3	13.1	12.3
80°	11.2	11.3	11.2	10.8	10.3	10.2	9.8	9.3	8.6	7.7	7.1
82.5°	6.0	6.0	5.8	5.7	5.4	5.4	5.1	4.8	4.3	3.9	3.4
85°	2.3	2.3	2.1	2.0	1.9	1.9	1.8	1.7	1.4	1.3	1.1
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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



TEST NUMBER: P843898

CATALOG NUMBER: LD6C08DE010B40 EU6C08B40 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3
2.5°	383.6	383.8	383.9	384.0	384.0	384.0	384.1	384.2	384.2	384.4	384.6
5°	379.8	380.0	380.3	380.4	380.7	380.6	381.0	381.4	381.6	381.9	382.2
7.5°	375.5	375.9	376.4	376.7	376.9	377.0	377.4	377.9	378.3	378.8	379.2
10°	372.0	372.3	372.8	373.3	373.3	373.6	373.9	374.2	374.6	375.0	375.5
12.5°	368.0	368.5	368.6	368.9	368.9	369.0	369.2	369.4	369.7	369.9	370.7
15°	363.3	363.3	363.3	363.3	363.3	363.2	362.9	363.2	363.2	363.5	363.9
17.5°	356.7	356.7	356.0	355.7	355.8	355.2	355.0	354.5	354.5	354.5	354.8
20°	348.3	347.1	346.3	345.1	344.6	344.4	344.0	342.9	342.8	342.8	342.8
22.5°	336.1	334.8	333.6	332.7	331.4	330.8	330.3	329.6	328.6	328.2	329.3
25°	321.4	319.8	318.3	316.5	316.2	315.6	314.2	313.5	313.2	312.6	312.8
27.5°	305.8	303.5	302.0	300.2	299.5	298.8	297.6	296.5	295.2	295.4	295.4
30°	287.8	285.2	283.4	281.3	281.2	280.4	279.4	277.9	277.0	277.0	277.6
32.5°	268.3	266.5	264.9	262.5	262.1	261.6	260.8	259.5	258.8	258.1	258.5
35°	248.5	245.8	244.6	243.1	243.3	241.9	240.7	240.0	240.1	239.3	239.7
37.5°	227.3	225.7	224.0	223.4	222.7	222.0	221.5	220.9	220.7	220.7	220.4
40°	205.8	205.0	204.1	203.9	202.7	203.1	202.9	202.5	201.8	201.5	202.2
42.5°	185.6	184.7	184.3	183.7	183.5	183.2	183.2	182.8	182.7	182.8	182.7
45°	164.7	164.6	163.7	163.7	164.3	163.8	162.8	163.4	163.4	163.1	163.8
47.5°	145.5	145.6	145.1	144.0	144.0	143.4	142.7	143.3	143.7	143.1	143.4
50°	128.1	127.3	126.3	125.5	125.9	125.6	125.0	124.5	124.1	124.3	124.7
52.5°	111.5	111.2	110.0	109.0	108.8	108.9	108.2	107.5	107.6	107.5	107.1
55°	96.6	96.6	95.1	94.7	93.7	93.7	92.6	92.5	92.1	92.1	91.5
57.5°	83.8	82.6	81.8	80.8	80.5	80.0	79.5	78.7	78.3	77.5	77.4
60°	71.9	70.5	69.9	68.9	68.1	67.6	66.9	66.2	65.7	65.0	64.3
62.5°	61.3	59.9	58.6	57.5	56.9	56.8	55.7	54.9	53.8	53.1	51.8
65°	50.8	49.9	48.5	47.1	46.9	46.2	45.2	44.2	42.9	41.8	41.0
67.5°	41.5	40.4	39.0	38.3	37.4	36.9	35.7	34.3	32.9	31.7	30.2
70°	33.2	31.5	30.5	29.2	28.9	27.7	26.8	25.2	23.9	22.4	20.4
72.5°	25.0	23.3	22.4	21.2	20.4	19.8	18.3	16.9	14.9	13.7	12.0
75°	17.6	16.2	14.9	13.6	13.1	12.3	11.1	9.5	8.2	7.1	5.8
77.5°	11.0	10.0	8.9	7.9	7.4	6.9	6.0	4.9	3.9	3.1	2.3
80°	6.2	5.5	4.8	3.9	3.7	3.4	2.6	2.0	1.7	1.2	0.7
82.5°	3.0	2.4	2.0	1.7	1.5	1.3	0.8	0.6	0.4	0.2	0.1
85°	0.8	0.6	0.5	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1
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



TEST NUMBER: P843898

CATALOG NUMBER: LD6C08DE010B40 EU6C08B40 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3
2.5°	384.6	384.7	384.8	384.8	384.8	384.9	384.9	385.2	385.3	385.4	385.4
5°	382.5	382.9	383.2	383.3	383.4	383.8	383.9	384.2	384.6	384.8	385.1
7.5°	379.7	380.1	380.6	380.9	381.1	381.6	382.0	382.7	383.0	383.5	384.0
10°	376.1	376.6	377.4	377.7	377.9	378.5	379.3	380.1	380.7	381.5	382.1
12.5°	370.9	371.7	372.6	372.8	373.2	374.1	375.0	376.1	377.0	378.0	379.1
15°	364.5	365.4	366.0	366.4	366.9	368.2	369.0	370.3	371.7	373.2	374.4
17.5°	355.4	355.9	357.1	357.6	358.2	359.5	360.9	362.3	363.6	365.3	367.1
20°	343.5	344.4	345.7	346.3	347.0	348.2	350.2	351.5	353.5	355.5	356.7
22.5°	328.8	330.2	331.6	332.2	332.7	334.1	335.5	337.7	339.4	342.1	343.8
25°	313.5	313.9	315.1	316.2	316.4	318.2	319.8	322.5	324.1	325.9	328.2
27.5°	295.9	296.5	298.3	298.5	298.6	300.6	302.5	304.5	305.9	307.9	309.0
30°	277.6	278.5	279.3	279.7	280.7	281.5	283.3	285.9	286.9	288.7	290.2
32.5°	258.9	258.9	260.7	260.8	261.3	263.4	264.4	265.9	267.7	269.1	269.0
35°	240.3	240.8	241.5	242.4	242.7	244.0	244.4	245.6	246.6	247.7	249.0
37.5°	221.2	221.2	222.5	223.2	223.5	224.1	224.7	225.9	226.5	227.0	227.7
40°	202.7	203.3	203.5	203.8	203.8	204.7	205.2	206.0	206.5	207.5	207.0
42.5°	184.1	183.9	184.0	184.7	184.9	185.3	185.7	186.2	186.8	186.5	187.4
45°	164.5	164.6	164.9	164.9	165.2	165.8	166.5	166.8	167.1	167.7	167.8
47.5°	143.8	144.5	144.0	145.1	145.3	145.5	147.0	147.1	148.4	148.7	148.7
50°	124.6	124.6	125.3	125.8	126.0	126.4	126.9	127.4	127.8	128.7	128.9
52.5°	107.3	107.6	107.6	107.1	107.6	107.6	108.8	108.9	108.8	109.0	109.5
55°	91.8	91.9	91.2	91.7	91.5	91.2	91.4	90.6	90.5	90.9	90.6
57.5°	76.9	76.4	76.3	75.6	75.6	75.0	74.4	74.4	73.8	73.0	72.8
60°	63.6	62.7	62.3	61.9	60.8	60.2	59.3	58.6	57.5	56.4	55.7
62.5°	50.9	50.0	49.0	48.5	47.7	46.2	45.1	43.9	42.3	41.2	40.2
65°	39.7	38.3	36.7	35.9	35.1	33.7	32.2	30.2	28.7	27.3	25.5
67.5°	28.8	27.3	25.6	24.4	23.7	22.0	20.2	18.6	16.7	15.1	14.3
70°	18.8	16.9	15.4	14.5	13.7	12.1	10.5	9.0	8.1	7.7	7.6
72.5°	10.7	8.8	7.6	6.8	6.1	5.0	4.1	3.6	3.3	3.2	3.0
75°	4.5	3.4	2.6	2.1	1.9	1.5	1.4	1.4	1.4	1.3	1.3
77.5°	1.7	1.2	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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



TEST NUMBER: P843898

CATALOG NUMBER: LD6C08DE010B40 EU6C08B40 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3
2.5°	385.5	385.8	385.8	385.9	386.0	386.0	386.0	386.0
5°	385.3	385.5	385.7	385.8	385.9	386.0	386.0	386.0
7.5°	384.2	384.8	384.9	385.2	385.4	385.5	385.5	385.7
10°	382.8	383.3	383.6	383.9	384.1	384.4	384.7	384.7
12.5°	380.0	380.7	381.3	381.5	382.1	382.3	382.7	382.9
15°	375.4	376.4	377.0	377.6	378.0	378.8	379.0	379.3
17.5°	368.5	369.9	370.2	370.9	371.5	372.8	372.7	372.8
20°	358.5	360.1	360.7	361.4	362.3	363.3	364.0	363.4
22.5°	345.3	347.1	347.9	348.6	349.2	350.1	351.0	351.2
25°	329.7	331.3	331.9	332.3	333.6	334.2	335.3	335.4
27.5°	311.7	312.6	313.5	313.8	315.2	315.6	316.4	316.4
30°	291.4	292.3	293.4	293.8	294.1	294.6	295.2	295.6
32.5°	270.4	271.5	271.9	272.6	272.7	273.3	273.1	274.0
35°	249.6	249.9	250.2	250.1	251.0	250.9	251.9	251.8
37.5°	228.7	228.3	229.0	229.6	229.4	229.1	229.5	228.9
40°	207.6	207.7	207.8	208.5	207.8	208.2	208.0	207.8
42.5°	188.0	188.0	187.2	188.0	187.5	187.2	187.7	187.0
45°	168.2	168.1	168.2	168.3	168.3	168.3	167.7	168.3
47.5°	149.3	149.4	148.9	149.9	149.5	149.0	149.0	148.7
50°	129.3	130.1	130.9	130.2	130.8	130.5	130.1	130.5
52.5°	110.3	110.8	110.2	110.3	111.8	111.8	110.9	110.8
55°	90.1	90.1	90.3	90.5	90.6	92.3	91.4	91.7
57.5°	72.0	72.0	71.7	72.4	71.9	71.3	71.9	70.2
60°	54.8	54.6	54.3	53.7	52.5	52.0	50.7	50.6
62.5°	38.9	37.5	37.0	36.1	34.6	34.3	32.9	32.7
65°	24.2	22.5	22.0	21.5	20.8	20.7	20.2	20.5
67.5°	13.7	13.5	13.3	13.0	12.7	12.5	12.5	12.4
70°	7.3	6.8	6.7	6.5	6.5	6.0	5.8	6.1
72.5°	2.7	2.5	2.5	2.5	2.4	2.4	2.4	2.4
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1
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)