

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: P843847

Luminaire Tested: **LD6C08DE010B2750 EU6C08B27 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843847
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: LD6C08DE010B2750 EU6C08B27 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

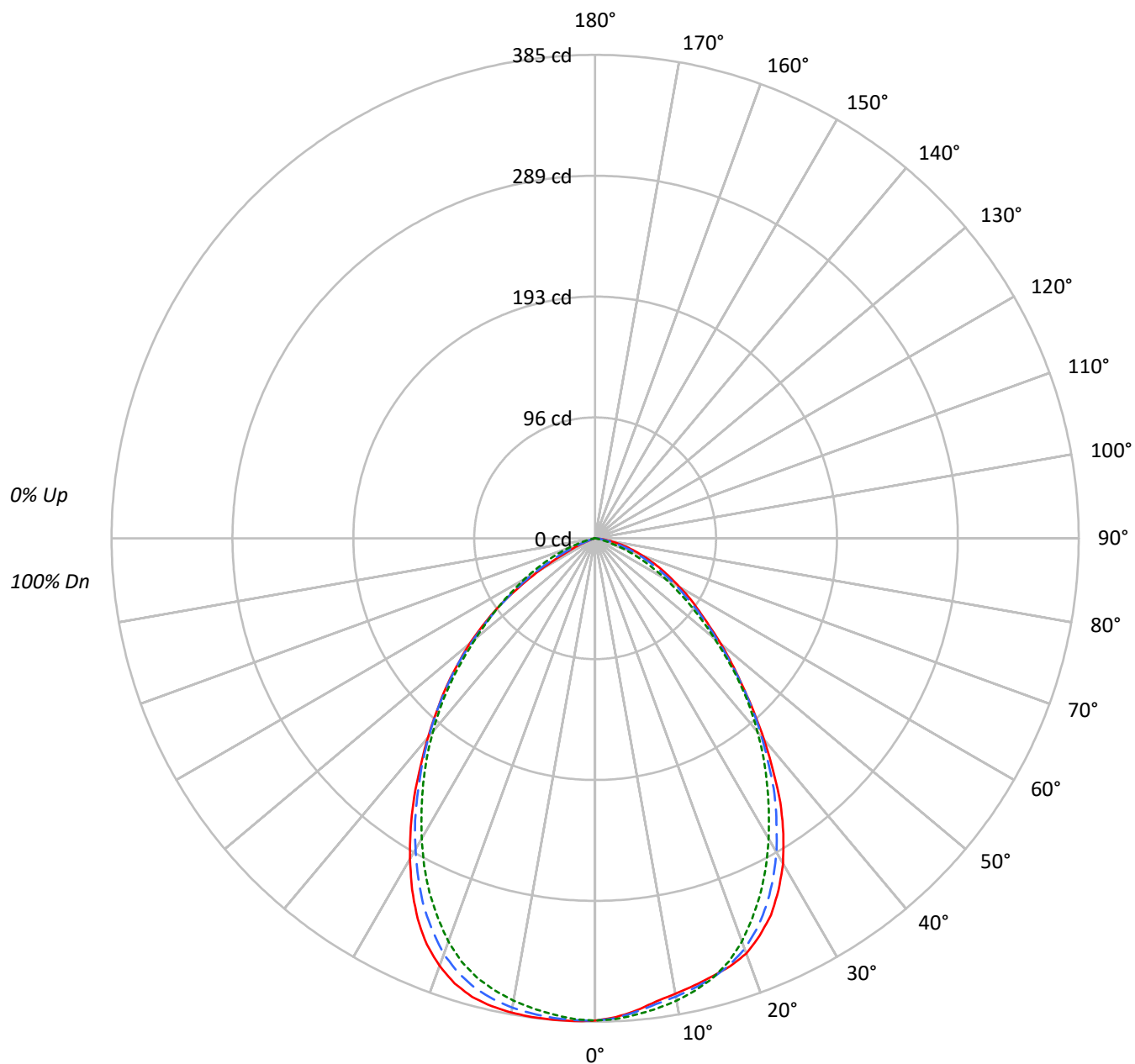
Lumens per Lamp: N/A
Luminaire Lumens: 706.5 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	21056	21056	21056
5°	20774	20950	21181
10°	20496	20813	21348
15°	20488	20573	21464
20°	20529	19934	21136
25°	20027	18854	20227
30°	18933	17477	18655
35°	17213	15968	16798
40°	14964	14370	14828
45°	12831	12606	13001
50°	11130	10558	11096
55°	9653	8783	8736
60°	8497	7105	5515
65°	7459	5409	2646
70°	6411	3574	978
75°	5210	1504	275
80°	3536	379	126
85°	1447	63	63



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	5.1
10°-20°	103.1	14.6
20°-30°	147.7	20.9
30°-40°	153.9	21.8
40°-50°	127.5	18.0
50°-60°	84.5	12.0
60°-70°	40.9	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°	286.9	40.6
0°-40°	440.8	62.4
0°-60°	652.9	92.4
0°-90°	706.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	706.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	384	384	384	384	384	
5°	378	378	381	383	385	36
15°	361	362	362	371	378	102
25°	331	323	312	323	334	151
35°	257	249	239	246	251	159
45°	166	165	163	167	168	129
55°	101	98	92	90	91	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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1
2.5°	381.7	381.9	382.1	381.9	382.0	382.1	382.1	382.2	382.2	382.3	382.5
5°	377.5	377.8	377.8	377.8	377.8	377.9	378.1	378.1	377.9	377.9	378.4
7.5°	372.0	372.4	372.2	372.4	372.5	372.8	372.7	373.0	373.2	373.7	374.1
10°	368.2	368.3	368.2	368.6	368.8	369.0	369.0	369.3	369.5	370.0	370.6
12.5°	364.8	364.9	365.0	365.2	365.5	365.4	365.6	365.8	366.0	366.3	366.7
15°	361.0	361.6	361.4	361.6	361.7	361.8	361.9	362.0	361.9	361.9	362.2
17.5°	357.4	357.5	357.6	357.6	357.6	357.6	357.4	357.4	357.0	356.6	356.3
20°	351.9	351.8	351.6	351.6	351.0	351.1	350.6	350.4	349.8	348.9	348.0
22.5°	342.4	343.0	342.8	341.9	341.4	341.4	340.9	339.7	338.8	337.7	336.5
25°	331.1	330.8	330.5	330.0	329.2	328.7	328.0	327.1	325.5	323.7	322.7
27.5°	316.0	316.3	315.5	314.8	314.3	313.6	312.8	311.8	309.8	308.3	306.5
30°	299.1	298.9	298.8	297.7	296.7	297.0	295.4	294.3	292.8	290.2	288.8
32.5°	278.8	279.2	278.5	278.3	276.4	276.1	276.1	274.4	273.1	270.6	268.7
35°	257.2	257.0	256.7	255.8	255.7	255.0	254.4	253.1	251.4	250.7	249.1
37.5°	232.4	232.5	232.6	232.6	232.2	231.6	231.1	231.1	228.8	228.4	226.7
40°	209.1	209.5	209.4	208.5	208.7	208.8	208.7	208.5	207.1	206.6	206.3
42.5°	186.6	187.2	186.6	186.5	186.6	186.6	186.2	186.7	186.0	186.6	185.4
45°	165.5	166.0	165.6	165.5	165.2	165.8	165.1	165.7	165.4	164.8	165.0
47.5°	147.3	146.8	147.3	147.1	146.7	146.2	147.0	146.6	145.7	145.5	145.8
50°	130.5	130.2	130.5	130.3	129.7	129.7	129.6	129.3	129.0	128.3	127.8
52.5°	114.3	115.3	114.6	115.3	114.3	114.0	114.1	113.7	113.2	113.0	111.9
55°	101.0	101.1	101.1	101.1	100.7	100.4	100.2	99.8	99.8	98.8	97.7
57.5°	89.5	89.3	89.1	88.7	88.4	88.2	88.0	87.1	86.4	85.5	84.6
60°	77.5	77.8	77.8	77.3	76.9	76.6	76.4	75.9	75.0	74.0	72.9
62.5°	67.3	67.5	66.8	66.8	66.1	66.0	66.0	65.3	64.2	63.0	61.8
65°	57.5	57.3	57.6	56.7	56.9	56.1	55.8	55.4	54.5	53.1	51.9
67.5°	48.2	48.4	48.1	47.8	47.4	47.1	46.9	45.7	45.2	43.9	42.6
70°	40.0	39.8	39.4	39.4	38.9	38.6	38.5	37.2	36.6	35.5	34.2
72.5°	32.3	31.9	31.7	31.3	31.0	30.9	30.0	29.3	28.6	27.3	26.2
75°	24.6	24.5	24.2	24.0	23.4	23.1	23.0	22.1	20.7	19.7	18.8
77.5°	17.8	17.9	17.3	16.9	16.5	16.1	15.9	15.1	14.2	13.1	12.2
80°	11.2	11.3	11.2	10.8	10.3	10.2	9.7	9.3	8.5	7.7	7.1
82.5°	5.9	5.9	5.8	5.7	5.3	5.3	5.1	4.7	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1
2.5°	382.5	382.7	382.8	382.9	382.9	382.9	383.0	383.2	383.2	383.3	383.4
5°	378.7	378.8	379.2	379.4	379.6	379.5	379.8	380.2	380.4	380.7	381.1
7.5°	374.4	374.7	375.2	375.7	375.8	375.9	376.3	376.8	377.2	377.7	378.1
10°	370.8	371.2	371.8	372.2	372.2	372.5	372.7	373.1	373.5	373.9	374.4
12.5°	366.9	367.4	367.5	367.7	367.7	368.0	368.2	368.3	368.7	368.8	369.5
15°	362.2	362.2	362.2	362.2	362.2	362.0	361.8	362.0	362.0	362.5	362.9
17.5°	355.7	355.7	354.9	354.6	354.7	354.1	354.0	353.5	353.5	353.5	353.8
20°	347.2	346.1	345.2	344.0	343.5	343.3	343.0	341.9	341.7	341.7	341.7
22.5°	335.2	333.9	332.6	331.8	330.3	329.9	329.3	328.6	327.7	327.1	328.3
25°	320.5	318.9	317.4	315.6	315.3	314.6	313.4	312.5	312.2	311.7	311.9
27.5°	304.8	302.7	301.0	299.2	298.6	297.8	296.7	295.6	294.3	294.6	294.6
30°	286.9	284.4	282.6	280.5	280.4	279.5	278.6	277.2	276.1	276.1	276.8
32.5°	267.5	265.8	264.1	261.7	261.3	260.8	260.1	258.8	258.0	257.2	257.7
35°	247.8	245.1	243.9	242.4	242.5	241.1	240.0	239.2	239.3	238.6	238.9
37.5°	226.7	225.0	223.4	222.7	222.1	221.4	220.8	220.3	220.1	220.1	219.8
40°	205.2	204.3	203.6	203.3	202.1	202.4	202.3	201.9	201.2	200.8	201.7
42.5°	185.0	184.1	183.7	183.1	183.0	182.7	182.7	182.2	182.1	182.2	182.1
45°	164.3	164.1	163.2	163.2	163.7	163.3	162.3	163.0	163.0	162.6	163.3
47.5°	145.1	145.2	144.7	143.6	143.6	143.0	142.3	142.9	143.3	142.7	143.0
50°	127.7	126.9	125.9	125.1	125.5	125.2	124.6	124.2	123.7	123.8	124.4
52.5°	111.2	110.8	109.7	108.7	108.5	108.6	107.9	107.1	107.2	107.1	106.8
55°	96.4	96.4	94.8	94.4	93.4	93.4	92.4	92.2	91.9	91.9	91.3
57.5°	83.6	82.4	81.4	80.6	80.2	79.7	79.3	78.5	78.1	77.3	77.2
60°	71.7	70.3	69.7	68.6	67.9	67.4	66.7	66.0	65.5	64.8	64.1
62.5°	61.1	59.7	58.4	57.3	56.7	56.6	55.6	54.7	53.7	52.9	51.6
65°	50.7	49.7	48.3	47.0	46.7	46.1	45.1	44.0	42.7	41.7	40.8
67.5°	41.4	40.2	38.9	38.2	37.3	36.8	35.6	34.2	32.8	31.6	30.2
70°	33.1	31.5	30.4	29.1	28.8	27.7	26.7	25.2	23.9	22.3	20.3
72.5°	24.9	23.3	22.3	21.0	20.3	19.7	18.3	16.9	14.8	13.7	12.0
75°	17.6	16.1	14.8	13.5	13.1	12.2	11.0	9.5	8.2	7.1	5.8
77.5°	10.9	10.0	8.9	7.8	7.4	6.9	5.9	4.9	3.9	3.1	2.3
80°	6.2	5.5	4.7	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1
2.5°	383.4	383.5	383.6	383.6	383.6	383.8	383.8	384.0	384.1	384.2	384.2
5°	381.4	381.7	382.0	382.1	382.2	382.7	382.8	383.2	383.4	383.6	383.9
7.5°	378.5	379.0	379.5	379.7	380.0	380.4	380.9	381.5	381.9	382.3	382.9
10°	375.0	375.6	376.3	376.5	376.8	377.5	378.2	379.0	379.6	380.3	381.0
12.5°	369.9	370.6	371.4	371.8	372.1	373.0	373.9	375.0	375.9	376.9	377.9
15°	363.3	364.4	365.0	365.2	365.7	367.0	368.0	369.2	370.6	372.1	373.2
17.5°	354.3	354.8	356.0	356.5	357.2	358.4	359.8	361.3	362.6	364.2	366.0
20°	342.6	343.3	344.7	345.2	346.0	347.1	349.1	350.4	352.4	354.4	355.7
22.5°	327.8	329.2	330.6	331.3	331.8	333.2	334.5	336.6	338.3	341.1	342.8
25°	312.5	313.0	314.1	315.3	315.5	317.3	318.9	321.4	323.1	324.9	327.1
27.5°	295.1	295.6	297.3	297.6	297.7	299.6	301.5	303.5	304.9	307.0	308.1
30°	276.8	277.6	278.5	278.9	279.8	280.7	282.5	285.0	286.1	287.8	289.4
32.5°	258.2	258.2	259.9	260.1	260.5	262.6	263.6	265.1	266.8	268.3	268.1
35°	239.6	240.1	240.7	241.7	242.0	243.3	243.7	244.8	245.9	247.0	248.2
37.5°	220.4	220.4	221.8	222.4	222.8	223.5	224.1	225.3	225.9	226.2	227.1
40°	202.1	202.6	203.0	203.2	203.2	204.0	204.5	205.5	205.8	206.9	206.3
42.5°	183.6	183.4	183.5	184.1	184.2	184.8	185.2	185.6	186.1	185.9	186.8
45°	163.9	164.1	164.4	164.4	164.8	165.4	166.0	166.3	166.7	167.3	167.4
47.5°	143.4	144.0	143.6	144.7	144.9	145.1	146.6	146.7	148.0	148.3	148.3
50°	124.3	124.3	125.0	125.4	125.6	126.1	126.5	127.0	127.4	128.3	128.6
52.5°	107.0	107.2	107.2	106.8	107.2	107.2	108.5	108.6	108.5	108.7	109.1
55°	91.5	91.6	90.9	91.4	91.3	90.9	91.2	90.3	90.2	90.6	90.3
57.5°	76.7	76.1	76.0	75.4	75.4	74.8	74.1	74.1	73.6	72.8	72.6
60°	63.4	62.6	62.1	61.7	60.7	60.1	59.1	58.4	57.3	56.3	55.6
62.5°	50.8	49.9	48.9	48.3	47.6	46.1	44.9	43.8	42.1	41.1	40.1
65°	39.6	38.2	36.6	35.7	35.0	33.6	32.2	30.2	28.6	27.2	25.4
67.5°	28.7	27.2	25.5	24.3	23.6	22.0	20.2	18.5	16.6	15.1	14.2
70°	18.8	16.9	15.3	14.5	13.7	12.1	10.4	9.0	8.1	7.7	7.6
72.5°	10.7	8.8	7.6	6.8	6.1	5.0	4.0	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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	384.1	384.1	384.1	384.1	384.1	384.1	384.1	384.1
2.5°	384.4	384.7	384.7	384.8	384.9	384.9	384.9	384.9
5°	384.1	384.4	384.6	384.7	384.8	384.9	384.9	384.9
7.5°	383.2	383.6	383.8	384.0	384.2	384.4	384.4	384.6
10°	381.6	382.1	382.5	382.8	383.0	383.3	383.5	383.5
12.5°	378.8	379.6	380.1	380.3	381.0	381.3	381.5	381.7
15°	374.3	375.2	375.9	376.4	376.9	377.7	377.8	378.2
17.5°	367.4	368.8	369.0	369.9	370.5	371.8	371.5	371.8
20°	357.5	359.1	359.5	360.3	361.3	362.2	363.0	362.3
22.5°	344.3	346.1	346.8	347.6	348.3	349.0	350.0	350.2
25°	328.7	330.2	330.8	331.4	332.6	333.3	334.3	334.4
27.5°	310.8	311.7	312.5	312.8	314.2	314.6	315.5	315.5
30°	290.5	291.5	292.5	292.9	293.3	293.7	294.3	294.7
32.5°	269.7	270.6	271.1	271.7	271.8	272.4	272.2	273.2
35°	248.9	249.1	249.5	249.4	250.2	250.1	251.2	251.0
37.5°	227.9	227.7	228.3	229.0	228.7	228.4	228.8	228.1
40°	207.0	207.1	207.2	207.8	207.2	207.6	207.4	207.2
42.5°	187.4	187.4	186.7	187.4	186.9	186.7	187.2	186.5
45°	167.6	167.5	167.6	167.7	167.7	167.7	167.3	167.7
47.5°	148.9	149.0	148.5	149.3	149.1	148.6	148.6	148.3
50°	128.9	129.7	130.6	129.9	130.5	130.1	129.7	130.1
52.5°	110.0	110.5	109.9	110.0	111.5	111.5	110.6	110.5
55°	89.9	89.9	90.1	90.2	90.3	92.0	91.2	91.4
57.5°	71.8	71.8	71.5	72.2	71.7	71.1	71.7	70.0
60°	54.6	54.5	54.0	53.5	52.2	51.9	50.6	50.3
62.5°	38.8	37.4	36.9	36.0	34.5	34.2	32.8	32.6
65°	24.1	22.4	22.0	21.5	20.8	20.7	20.2	20.4
67.5°	13.7	13.4	13.3	12.9	12.7	12.5	12.5	12.3
70°	7.2	6.8	6.6	6.5	6.5	5.9	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)