

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: P843846

Luminaire Tested: **LD6C08DE010B2750 EU6C08B27 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843846
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: LD6C08DE010B2750 EU6C08B27 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

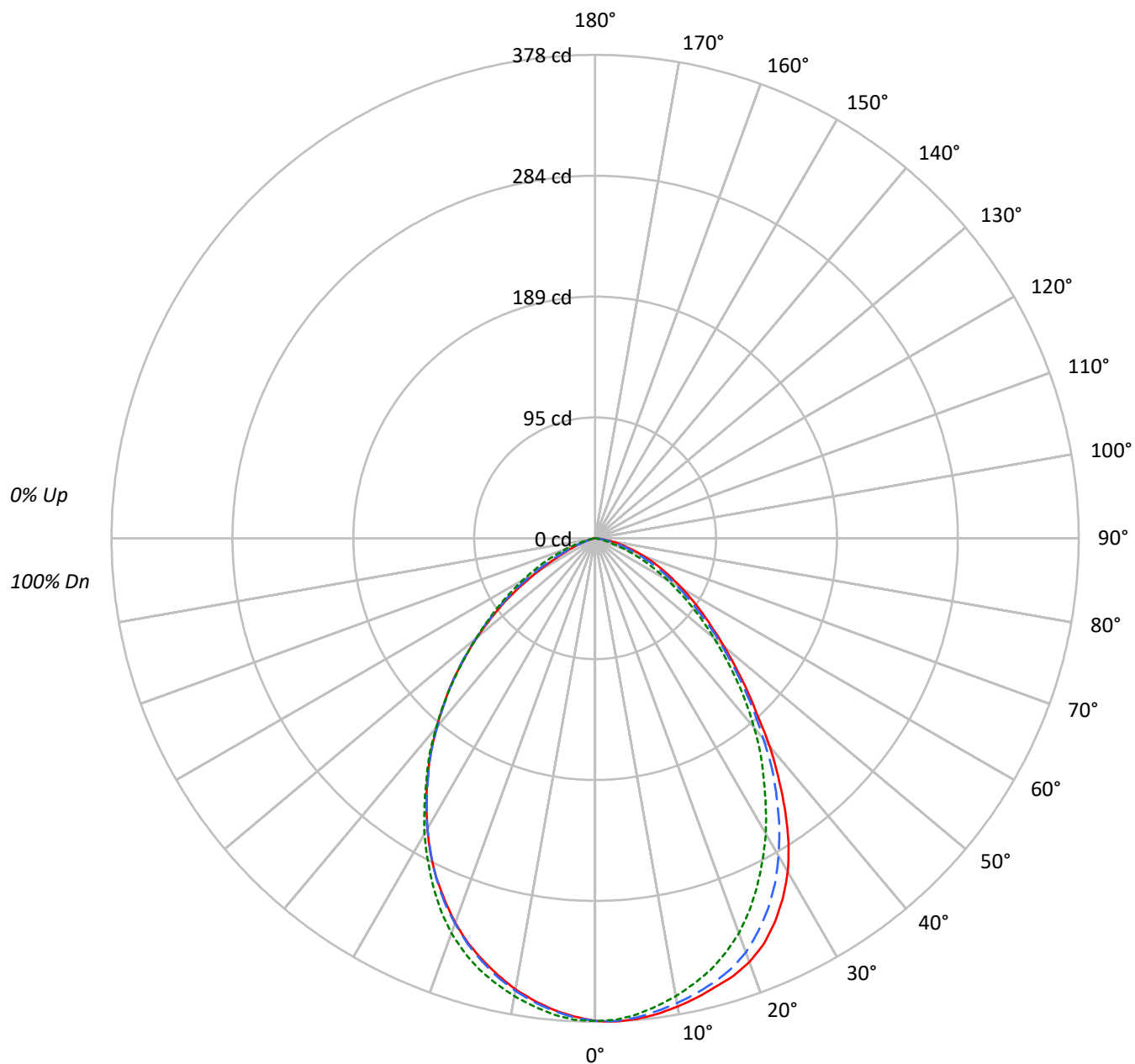
Lumens per Lamp: N/A
Luminaire Lumens: 686.4 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	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	41	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°	20689	20689	20689
5°	20763	20570	20372
10°	20697	20235	19940
15°	20619	19819	19359
20°	20570	19164	18651
25°	20070	18134	17741
30°	19066	16889	16610
35°	17306	15379	15279
40°	15186	13840	13769
45°	13025	12094	12195
50°	11206	10311	10260
55°	9797	8707	8172
60°	8607	7127	5581
65°	7536	5526	3360
70°	6427	3719	1971
75°	5168	1927	1080
80°	3599	758	600
85°	1447	252	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	5.2
10°-20°	98.7	14.4
20°-30°	140.5	20.5
30°-40°	147.9	21.5
40°-50°	123.2	18.0
50°-60°	83.3	12.1
60°-70°	42.2	6.1
70°-80°	13.6	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°	274.6	40.0
0°-40°	422.5	61.6
0°-60°	629.0	91.6
0°-90°	686.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	377	377	377	377	377	
5°	377	376	374	371	370	36
15°	363	359	349	342	341	103
25°	332	320	300	294	293	152
35°	259	248	230	228	228	161
45°	168	164	156	157	157	130
55°	102	98	91	88	86	92
65°	58	52	43	31	26	58
75°	24	19	9	5	5	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°	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4
2.5°	378.2	378.2	378.2	378.2	378.2	378.2	378.1	378.1	377.9	377.9	377.8
5°	377.3	377.4	377.4	377.3	377.3	376.9	376.9	376.8	376.5	376.2	376.1
7.5°	375.0	375.0	374.9	374.8	374.7	374.3	374.2	373.8	373.6	373.3	372.8
10°	371.8	371.8	371.7	371.4	371.2	371.0	371.0	370.5	370.0	369.3	369.0
12.5°	367.8	368.0	367.7	367.6	367.2	367.1	366.8	366.2	365.8	365.1	364.5
15°	363.3	363.5	363.5	363.0	362.7	362.6	362.1	361.7	360.9	360.1	359.4
17.5°	358.9	359.1	358.9	358.4	358.1	357.6	357.3	356.5	355.4	354.4	353.2
20°	352.6	353.0	352.5	351.9	351.1	351.0	350.6	349.3	347.6	346.2	344.5
22.5°	343.8	343.6	343.2	343.0	341.7	341.0	340.5	338.8	337.1	335.0	332.9
25°	331.8	332.3	331.6	330.4	329.8	329.0	327.8	326.0	324.4	322.2	319.7
27.5°	317.6	317.6	316.5	316.2	314.9	313.8	313.2	311.4	309.3	307.1	304.4
30°	301.2	300.5	300.5	298.7	297.6	297.2	296.6	293.6	291.7	289.5	286.8
32.5°	281.4	281.3	280.8	279.6	278.2	276.9	276.9	274.9	272.3	269.6	267.9
35°	258.6	258.8	258.5	257.2	257.2	255.7	255.4	253.7	251.6	249.5	247.5
37.5°	235.0	235.5	235.0	234.4	234.1	233.9	232.8	231.5	229.9	228.7	227.2
40°	212.2	211.4	211.7	210.5	210.6	210.3	209.8	208.1	207.3	206.0	204.3
42.5°	187.6	188.4	188.6	187.8	187.6	187.1	187.6	187.0	185.9	185.3	183.8
45°	168.0	167.2	167.5	167.3	167.4	166.4	166.0	165.8	165.4	164.3	163.6
47.5°	148.4	148.5	148.4	147.9	147.6	147.6	147.1	146.4	146.4	145.6	145.1
50°	131.4	131.4	131.7	131.0	130.7	130.3	130.4	129.7	129.1	128.5	128.1
52.5°	115.8	115.9	115.4	115.6	115.3	115.3	114.8	114.3	113.8	112.6	112.4
55°	102.5	102.6	102.0	102.3	101.4	101.1	100.8	100.1	100.1	98.9	97.5
57.5°	90.1	89.9	89.8	89.5	88.9	88.5	88.2	87.3	86.9	86.1	85.0
60°	78.5	78.4	78.2	78.1	77.6	76.8	76.8	76.1	74.9	74.0	73.0
62.5°	67.6	67.6	67.5	67.1	66.7	66.3	66.1	65.6	64.3	63.5	62.4
65°	58.1	58.0	57.5	56.9	56.7	56.7	55.8	55.4	54.5	53.5	52.4
67.5°	49.0	48.4	48.2	48.3	47.6	47.6	46.9	46.2	45.3	43.8	42.8
70°	40.1	39.9	39.6	39.3	39.2	38.7	38.3	37.5	36.7	35.5	34.2
72.5°	32.0	32.0	31.7	31.4	31.1	30.6	30.4	29.7	28.7	27.4	26.3
75°	24.4	24.4	24.4	24.0	23.7	23.5	22.7	22.3	21.2	20.4	19.1
77.5°	18.0	17.8	17.3	17.2	17.0	16.7	16.4	15.8	14.7	13.9	13.1
80°	11.4	11.8	11.4	11.4	10.8	10.6	10.4	9.6	9.3	8.5	7.8
82.5°	6.3	6.5	6.2	6.1	5.7	5.6	5.6	5.1	4.9	4.3	3.9
85°	2.3	2.4	2.3	2.3	2.0	2.1	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4
2.5°	377.8	377.5	377.5	377.4	377.3	377.3	377.3	377.2	376.8	376.8	376.7
5°	375.9	375.6	375.2	374.9	374.8	374.7	374.6	374.4	374.0	373.8	373.5
7.5°	372.4	372.2	371.5	371.2	370.9	370.8	370.3	370.0	369.5	369.0	368.7
10°	368.4	367.7	367.2	366.6	366.4	365.9	365.3	364.6	364.1	363.5	363.0
12.5°	363.8	363.0	362.0	361.3	361.0	360.3	359.4	358.7	357.8	356.8	355.9
15°	358.1	357.2	356.3	354.9	354.5	353.8	352.7	351.5	350.2	349.2	348.2
17.5°	351.9	350.5	349.1	347.5	346.4	346.1	344.4	342.6	341.5	339.7	338.5
20°	343.1	341.2	339.0	337.4	336.4	335.3	333.4	331.5	330.1	328.5	326.9
22.5°	331.0	329.2	326.6	324.4	323.5	321.9	320.3	318.5	316.8	315.1	313.1
25°	316.9	315.0	312.3	310.0	308.7	308.0	304.8	303.0	301.2	299.8	298.5
27.5°	302.3	298.9	297.1	293.5	292.3	292.1	289.2	287.3	285.3	283.4	281.8
30°	284.3	281.5	278.9	276.4	274.9	274.0	271.8	269.4	268.1	266.8	265.1
32.5°	265.6	263.2	259.9	257.5	256.4	255.1	253.2	251.5	249.6	248.2	247.8
35°	245.7	243.0	240.2	238.5	238.2	236.7	234.8	233.4	232.0	229.8	229.5
37.5°	224.4	222.8	220.9	218.4	217.2	217.2	215.3	214.4	212.6	212.5	211.4
40°	203.5	202.9	199.9	199.2	198.9	197.1	196.6	194.8	193.5	193.4	192.0
42.5°	182.8	181.2	180.6	179.4	178.2	178.0	176.8	176.1	175.6	174.8	174.0
45°	162.2	161.8	160.5	159.7	159.3	158.9	158.4	157.0	156.6	156.0	155.7
47.5°	144.5	143.4	142.4	141.3	141.2	140.5	139.5	139.5	138.1	138.0	137.7
50°	126.8	126.1	125.4	124.1	124.3	123.3	123.2	122.1	121.4	120.9	121.5
52.5°	111.4	109.9	109.6	108.4	108.1	108.2	106.8	106.4	106.2	105.7	105.4
55°	96.7	95.9	94.9	94.1	93.5	92.9	92.3	92.3	91.0	91.1	90.4
57.5°	83.8	83.1	81.9	80.7	80.4	79.6	79.0	78.4	78.3	77.4	76.8
60°	72.1	71.1	69.4	68.9	68.1	67.5	66.8	66.1	65.7	65.0	63.9
62.5°	61.3	59.4	58.8	57.9	56.9	56.6	55.5	54.7	54.0	53.2	52.2
65°	51.1	49.7	48.5	47.5	47.3	46.3	45.4	44.6	43.4	42.6	40.9
67.5°	41.8	40.5	39.2	38.1	37.1	36.9	35.5	34.6	33.7	32.3	30.8
70°	33.1	31.8	30.8	29.4	29.1	28.0	27.0	26.1	24.6	23.2	22.1
72.5°	25.3	23.8	22.7	21.7	21.0	20.2	19.1	18.2	16.6	15.2	14.2
75°	18.0	17.0	15.9	14.8	14.4	13.9	12.7	11.5	10.6	9.1	8.2
77.5°	12.2	11.2	10.2	9.3	8.7	8.2	7.5	6.6	5.7	5.0	4.3
80°	7.1	6.5	5.7	5.0	4.9	4.4	3.8	3.3	2.7	2.4	1.9
82.5°	3.4	3.1	2.5	2.1	1.9	1.8	1.5	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4
2.5°	376.3	376.2	376.1	376.0	375.7	375.7	375.4	375.0	375.0	374.8	374.7
5°	373.0	372.7	372.5	372.3	372.1	371.9	371.4	371.2	371.0	370.8	370.8
7.5°	368.4	367.8	367.3	367.1	367.0	366.6	366.4	366.2	365.8	365.5	365.1
10°	362.1	361.7	361.1	360.9	360.7	360.3	359.7	359.4	359.2	359.0	358.7
12.5°	354.9	354.4	353.8	353.2	353.0	352.6	352.0	351.6	351.6	351.1	351.1
15°	347.2	346.4	345.3	344.8	344.7	343.8	343.4	342.9	342.3	341.9	341.9
17.5°	337.3	336.0	335.0	335.0	334.5	333.7	332.9	332.6	332.2	331.7	331.5
20°	325.6	324.7	323.5	323.5	322.5	322.2	321.4	321.3	320.4	320.6	320.1
22.5°	311.6	311.1	310.4	309.9	309.3	308.5	308.1	308.2	307.9	307.8	307.6
25°	297.3	295.9	295.2	294.9	294.7	294.0	293.8	293.6	293.6	293.3	293.4
27.5°	280.9	280.0	278.9	279.3	278.8	278.4	278.2	277.7	278.1	277.9	278.1
30°	264.2	262.9	262.3	262.6	262.4	261.4	262.0	261.8	262.0	262.0	262.2
32.5°	246.5	245.7	245.6	245.7	244.5	244.6	244.2	244.9	245.1	245.8	245.2
35°	228.7	228.2	227.3	227.2	227.3	227.2	227.2	227.7	227.6	228.3	228.0
37.5°	210.3	210.0	209.2	209.4	208.9	209.8	210.0	209.8	210.7	210.5	210.3
40°	192.3	192.0	191.4	192.4	191.7	191.3	192.2	191.4	191.6	192.4	192.4
42.5°	174.0	173.3	173.3	173.3	173.2	173.2	173.7	174.0	173.8	173.9	174.9
45°	155.7	155.5	155.2	155.4	155.3	155.9	155.9	156.1	156.6	157.2	157.0
47.5°	137.9	137.6	138.0	137.7	137.9	137.5	137.7	138.6	139.2	138.2	139.2
50°	121.3	120.8	120.7	121.0	120.9	120.8	121.0	121.0	120.8	120.8	121.6
52.5°	105.4	104.9	104.5	105.1	104.8	104.9	104.4	104.4	104.6	104.4	104.0
55°	90.5	90.2	89.7	89.9	89.3	89.2	88.6	88.6	88.3	88.0	87.3
57.5°	76.4	76.1	75.0	74.9	75.0	74.0	73.2	72.8	71.8	71.5	71.4
60°	63.8	62.4	61.8	61.0	60.5	60.1	59.1	58.5	56.9	56.1	55.9
62.5°	50.8	50.1	49.4	48.2	47.9	46.6	45.7	44.0	43.3	42.1	40.9
65°	40.2	38.6	37.4	36.8	35.7	34.6	33.5	31.7	30.8	29.4	28.2
67.5°	29.4	28.0	26.5	26.0	25.1	23.7	22.5	21.0	20.3	19.0	18.6
70°	20.2	18.9	17.8	17.0	16.4	15.0	13.9	13.3	12.6	12.3	12.3
72.5°	12.9	11.8	10.6	10.2	9.6	8.9	8.1	7.8	8.1	8.0	8.0
75°	7.2	6.6	5.7	5.3	5.3	5.1	5.0	5.0	5.0	5.0	5.0
77.5°	3.7	3.3	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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	377.4	377.4	377.4	377.4	377.4	377.4	377.4	377.4
2.5°	374.6	374.3	374.3	374.2	374.2	374.2	374.2	374.3
5°	370.5	370.4	370.4	370.2	370.2	370.2	370.2	370.2
7.5°	365.1	364.8	364.9	364.7	364.7	364.8	364.7	364.6
10°	358.3	358.2	358.3	358.3	358.1	357.9	358.1	358.2
12.5°	350.7	350.6	350.4	350.5	350.5	350.4	350.2	350.0
15°	341.8	341.7	341.6	341.5	341.3	341.5	341.3	341.1
17.5°	331.5	331.5	331.4	331.1	331.0	330.8	330.9	331.4
20°	320.3	320.1	319.9	320.0	319.5	319.3	319.4	319.7
22.5°	307.5	307.1	307.3	306.9	306.9	307.1	306.9	306.7
25°	293.5	293.0	293.3	293.4	293.4	293.3	293.2	293.3
27.5°	278.1	278.4	278.4	278.2	278.6	278.1	278.3	278.4
30°	262.2	261.8	261.7	262.2	262.9	262.3	262.3	262.4
32.5°	245.8	245.3	245.3	245.6	245.5	245.5	245.9	245.3
35°	228.3	228.6	227.6	228.2	228.4	228.2	228.3	228.3
37.5°	210.7	210.5	210.5	210.5	210.8	210.8	211.1	210.9
40°	193.3	192.8	192.7	192.9	192.4	192.8	192.8	192.4
42.5°	174.5	174.6	175.2	174.6	174.8	174.6	174.4	174.3
45°	157.2	157.6	157.3	157.2	157.3	156.7	157.0	157.3
47.5°	138.8	139.5	138.8	139.3	139.2	138.9	138.7	138.1
50°	121.5	121.7	121.6	121.5	121.4	121.3	120.7	120.3
52.5°	103.9	103.9	103.9	103.9	102.6	103.2	103.0	102.3
55°	86.6	87.0	86.5	86.5	85.7	85.7	85.4	85.5
57.5°	70.0	69.6	69.3	69.3	68.3	68.0	67.6	67.1
60°	54.6	54.2	53.6	53.0	52.1	52.1	51.9	50.9
62.5°	40.0	39.3	38.9	38.4	37.7	37.1	36.8	37.0
65°	27.4	26.8	26.2	26.2	26.2	26.0	25.9	25.9
67.5°	18.0	18.4	18.2	18.4	18.4	18.2	18.0	18.3
70°	12.5	12.5	12.3	12.3	12.3	12.3	12.2	12.3
72.5°	8.0	8.0	8.0	8.1	8.0	8.0	8.1	8.1
75°	5.1	5.1	5.1	5.2	5.1	5.1	5.2	5.1
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)