

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: P843862

Luminaire Tested: **LD6C08DE010B2750 EU6C08B30 6LBLDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08DE010B2750 EU6C08B30 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

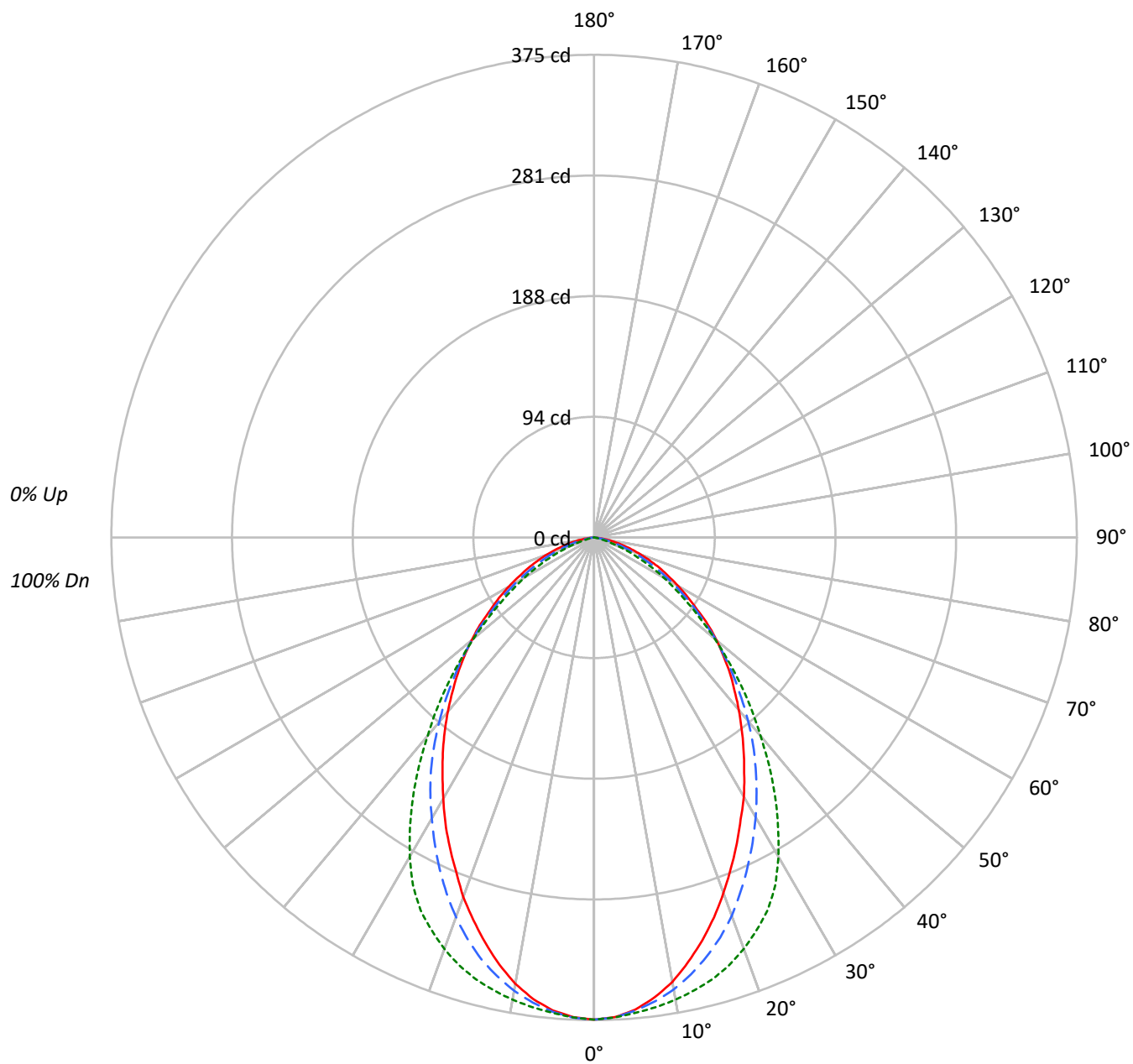
Lumens per Lamp: N/A
Luminaire Lumens: 670.5 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10		70	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
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	96	90	85		100	94	89	84		91	86	82		87	84	81		85	82	79
3	95	86	79	73		93	84	78	73		82	76	72		79	74	70		77	73	69
4	88	77	70	64		86	76	69	64		74	68	63		72	66	62		70	65	61
5	82	70	62	57		80	69	62	56		67	61	56		65	60	55		64	59	55
6	76	64	56	50		74	63	56	50		61	55	50		60	54	49		58	53	49
7	71	59	51	45		69	58	50	45		56	50	45		55	49	45		54	48	44
8	66	54	46	41		65	53	46	41		52	45	41		51	45	40		50	44	40
9	62	50	42	37		61	49	42	37		48	42	37		47	41	37		46	41	37
10	59	46	39	34		57	46	39	34		45	39	34		44	38	34		43	38	34

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20536	20536	20536
5°	20267	20405	20295
10°	19522	20301	19600
15°	18400	20165	18519
20°	17146	19847	17332
25°	15860	19314	16047
30°	14730	18129	14831
35°	13552	16403	13706
40°	12516	14384	12638
45°	11567	12428	11614
50°	10584	10422	10575
55°	9347	8516	9376
60°	8256	6831	8387
65°	7277	5072	7316
70°	6123	3190	6267
75°	4829	1334	4978
80°	3252	316	3473
85°	1321	63	1572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	5.2
10°-20°	95.2	14.2
20°-30°	131.5	19.6
30°-40°	138.3	20.6
40°-50°	119.1	17.8
50°-60°	84.8	12.6
60°-70°	47.8	7.1
70°-80°	16.9	2.5
80°-90°	1.9	0.3
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°	261.6	39.0
0°-40°	399.9	59.6
0°-60°	603.9	90.1
0°-90°	670.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	670.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	375	375	375	375	375	
5°	368	369	371	370	369	35
15°	324	337	355	339	326	91
25°	262	282	319	284	265	121
35°	202	219	245	221	205	127
45°	149	154	160	154	150	115
55°	98	95	89	95	98	88
65°	56	48	39	48	56	55
75°	23	15	6	16	24	25
85°	2	1	0	1	2	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°	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6
2.5°	373.0	373.1	373.1	373.2	373.1	373.1	373.2	373.2	373.1	373.2	373.2
5°	368.3	368.1	368.3	368.4	368.7	368.7	368.6	368.6	369.0	368.8	369.1
7.5°	360.4	360.4	360.9	361.1	361.1	361.2	361.5	361.9	362.5	362.6	363.5
10°	350.7	350.8	350.7	351.2	351.6	352.2	352.1	352.9	353.9	355.0	356.7
12.5°	337.8	338.2	339.0	339.0	340.0	340.7	340.6	342.6	344.3	345.7	347.7
15°	324.2	324.1	324.7	325.6	326.8	327.7	328.1	330.7	332.3	334.8	337.3
17.5°	309.6	309.1	310.2	310.8	312.7	313.8	314.5	316.9	319.4	322.5	325.9
20°	293.9	294.6	294.8	295.7	298.1	299.1	300.3	302.8	305.4	308.9	312.8
22.5°	277.9	278.8	279.3	280.4	282.4	283.1	284.4	288.1	291.0	294.0	297.7
25°	262.2	263.1	264.0	265.4	266.7	267.9	269.6	272.0	275.3	278.2	282.3
27.5°	246.7	247.7	247.9	249.5	251.2	252.7	253.5	256.6	259.3	262.8	266.7
30°	232.7	232.2	232.8	234.2	236.1	237.0	238.5	240.5	243.6	246.9	251.0
32.5°	217.1	217.1	218.1	219.8	221.3	222.0	222.5	225.3	228.2	231.5	234.9
35°	202.5	203.0	203.9	204.9	206.5	207.1	208.2	210.3	212.6	216.3	218.7
37.5°	188.4	188.8	189.6	190.6	191.9	193.1	193.7	195.8	197.5	200.5	202.9
40°	174.9	175.1	176.1	176.5	177.6	178.1	179.1	180.2	182.8	184.0	186.2
42.5°	161.5	162.1	162.5	163.3	163.5	164.5	165.0	165.3	167.3	168.1	169.3
45°	149.2	149.2	149.5	149.5	150.2	149.9	150.6	151.3	151.5	152.7	153.5
47.5°	136.4	136.1	136.5	136.4	136.3	136.3	136.5	136.8	137.1	137.9	138.3
50°	124.1	123.2	123.2	123.1	122.9	123.3	123.3	123.2	123.2	123.5	123.2
52.5°	111.5	111.2	110.5	110.1	109.8	109.8	109.8	109.4	109.4	109.0	108.2
55°	97.8	98.1	97.9	97.7	97.5	97.2	97.2	96.6	95.6	95.1	94.6
57.5°	86.1	86.5	86.5	86.1	85.5	85.1	84.5	84.2	83.3	82.4	81.4
60°	75.3	75.9	75.1	74.7	74.6	74.1	73.9	72.6	71.7	70.8	69.7
62.5°	65.0	65.3	64.6	64.3	63.9	63.6	63.5	62.3	60.8	59.7	58.3
65°	56.1	55.6	55.4	54.8	54.2	53.6	53.6	52.1	50.8	49.4	48.0
67.5°	46.6	46.9	46.5	46.0	45.1	44.5	43.8	42.7	41.6	40.2	38.5
70°	38.2	38.1	37.7	37.1	36.5	35.6	35.0	34.5	32.8	31.1	29.7
72.5°	30.4	30.2	29.9	29.3	28.3	28.0	27.5	26.2	24.9	23.5	22.0
75°	22.8	23.1	22.4	22.1	21.2	20.7	20.6	19.1	18.0	16.7	15.3
77.5°	16.4	16.4	15.8	15.2	14.8	14.5	14.0	13.1	12.3	11.0	9.8
80°	10.3	10.3	10.3	9.7	9.3	9.0	8.7	8.0	7.1	6.3	5.6
82.5°	5.5	5.5	5.3	5.1	4.9	4.7	4.5	4.2	3.6	3.3	2.7
85°	2.1	2.1	2.0	2.0	1.8	1.8	1.6	1.5	1.3	1.2	1.0
87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	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°	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6
2.5°	373.3	373.3	373.2	373.3	373.3	373.3	373.3	373.3	373.3	373.3	373.5
5°	369.3	369.7	369.9	370.0	370.3	370.4	370.5	370.6	370.7	370.8	370.8
7.5°	364.2	365.1	365.7	366.4	366.6	366.9	367.2	367.7	368.1	368.1	368.0
10°	358.1	359.2	360.4	361.6	361.9	362.6	363.2	363.9	364.6	364.7	364.7
12.5°	350.1	351.3	353.6	355.5	356.2	357.1	358.3	359.5	360.1	360.4	360.3
15°	340.0	342.7	345.8	348.0	348.9	350.5	352.5	353.7	354.7	355.3	354.9
17.5°	329.2	332.6	335.9	338.9	340.2	341.7	344.5	346.7	348.2	348.6	348.4
20°	316.9	320.6	324.2	327.9	329.7	331.5	334.3	337.2	339.7	340.2	339.8
22.5°	302.1	306.3	310.7	314.9	317.0	318.6	322.7	326.0	328.8	330.1	329.2
25°	286.8	291.3	295.9	299.5	302.0	304.7	308.4	312.2	315.7	319.3	316.0
27.5°	270.5	274.7	279.5	284.5	286.8	288.8	292.6	297.4	301.1	304.7	301.1
30°	254.3	259.5	263.9	268.3	270.8	273.2	277.0	280.9	284.4	286.4	284.2
32.5°	239.0	242.9	247.3	251.5	253.3	255.2	258.4	262.1	265.4	266.0	264.5
35°	223.1	226.4	230.0	232.8	234.9	236.9	239.8	242.0	242.9	245.1	243.6
37.5°	204.9	207.8	211.1	213.1	215.0	216.6	218.7	220.7	221.5	223.2	222.0
40°	187.7	190.3	192.1	194.3	195.2	196.8	197.8	199.4	200.2	201.0	201.2
42.5°	171.2	172.6	174.0	175.5	175.9	176.2	178.3	179.5	180.3	180.9	180.1
45°	154.3	155.7	156.2	157.4	158.0	158.2	159.1	159.2	159.5	160.3	160.0
47.5°	139.0	139.1	139.5	139.9	140.2	140.2	140.7	140.2	140.5	140.6	140.9
50°	122.8	123.7	122.8	123.3	123.4	123.3	122.9	122.7	122.4	122.2	122.1
52.5°	107.6	107.7	107.1	106.8	106.4	106.6	105.6	105.0	105.2	104.4	105.3
55°	93.7	93.2	92.0	91.7	90.9	90.6	90.5	89.9	88.9	89.1	89.3
57.5°	80.3	79.4	78.3	77.6	77.4	76.5	76.3	75.3	74.7	74.6	74.6
60°	68.2	67.4	66.3	65.2	64.3	63.8	63.1	62.2	62.4	62.3	61.7
62.5°	56.7	55.7	54.2	52.9	52.5	52.0	51.2	50.4	50.0	50.4	50.0
65°	46.4	45.1	43.2	41.9	41.8	41.2	40.3	39.8	39.4	39.1	39.6
67.5°	36.9	35.0	33.8	32.3	31.5	31.3	29.9	29.2	29.3	29.2	29.3
70°	28.1	26.2	24.7	23.5	22.5	22.1	21.4	20.4	20.3	19.9	20.4
72.5°	20.4	18.7	17.3	16.0	15.1	14.6	13.6	12.6	12.4	12.2	12.2
75°	14.0	12.6	11.1	9.8	9.3	8.8	7.7	7.0	6.3	6.3	6.3
77.5°	8.8	7.6	6.5	5.6	5.3	4.8	3.9	3.2	2.9	2.5	2.6
80°	5.0	4.1	3.5	2.9	2.5	2.2	1.8	1.4	1.0	1.0	1.0
82.5°	2.3	2.0	1.5	1.3	1.2	0.8	0.6	0.5	0.4	0.2	0.2
85°	0.7	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°	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6
2.5°	373.3	373.5	373.3	373.5	373.3	373.6	373.6	373.5	373.5	373.5	373.3
5°	370.7	370.7	370.6	370.6	370.6	370.5	370.1	370.1	369.9	369.7	369.4
7.5°	367.8	367.6	367.2	367.1	366.7	366.4	365.6	365.0	364.5	363.8	363.2
10°	364.4	363.7	363.0	362.5	362.2	361.4	360.2	358.7	357.7	356.6	355.4
12.5°	359.8	359.1	357.7	356.7	356.1	354.4	352.8	350.9	348.9	347.0	345.7
15°	354.0	352.7	350.9	350.0	348.8	346.6	343.7	341.1	339.1	336.9	333.8
17.5°	347.1	345.2	342.9	341.2	339.8	336.9	333.5	330.1	327.1	324.3	321.3
20°	337.6	335.4	332.4	330.3	328.9	325.1	321.4	317.4	313.8	310.5	307.0
22.5°	326.5	322.7	319.8	317.3	315.8	311.5	307.5	303.2	299.3	296.5	292.6
25°	312.4	308.8	305.2	303.2	300.8	296.1	292.0	287.7	284.1	280.4	276.9
27.5°	297.5	293.3	289.3	286.9	284.8	280.3	276.1	272.1	268.0	264.0	260.9
30°	281.3	277.0	273.9	271.0	268.5	264.9	259.8	255.7	252.1	248.5	245.3
32.5°	263.1	259.6	255.9	254.4	252.7	248.2	244.3	240.4	236.8	233.1	229.7
35°	242.2	239.3	237.1	235.5	234.4	230.6	227.4	223.3	221.0	217.3	214.9
37.5°	220.6	219.2	217.8	215.8	214.2	211.8	210.0	206.7	204.0	201.4	198.6
40°	200.0	198.5	196.5	195.5	195.1	193.1	190.5	188.8	187.2	184.9	183.4
42.5°	179.9	179.1	177.2	176.6	176.1	174.4	173.1	171.7	170.6	168.9	168.1
45°	159.4	159.2	158.8	158.2	158.0	156.7	156.4	154.6	153.7	153.4	152.6
47.5°	141.2	140.9	140.1	140.9	139.7	139.6	139.6	139.2	138.9	137.8	137.7
50°	122.7	123.3	123.4	123.1	123.8	123.7	123.1	123.2	123.4	124.0	123.2
52.5°	105.7	106.2	107.0	106.7	107.3	108.0	107.7	108.7	108.3	108.8	109.8
55°	89.6	91.0	91.8	91.4	91.9	92.6	93.0	93.8	94.6	95.4	96.0
57.5°	75.6	76.0	77.3	77.6	77.8	78.4	79.6	81.0	82.0	82.6	83.1
60°	62.1	63.2	64.2	64.2	65.2	66.0	67.2	68.4	69.4	71.0	72.0
62.5°	50.6	50.8	52.0	52.1	52.9	54.4	55.3	57.1	58.4	60.1	61.6
65°	39.4	40.5	41.2	41.4	42.5	43.7	44.9	46.6	48.4	49.8	51.2
67.5°	29.5	30.1	31.1	32.0	32.3	33.8	35.7	37.4	38.9	40.2	41.9
70°	20.6	21.2	22.5	23.1	23.8	25.1	26.5	28.2	30.0	31.7	33.1
72.5°	12.6	13.7	14.6	15.3	16.0	17.6	19.1	20.6	22.1	23.7	25.4
75°	7.0	7.7	8.8	9.5	10.2	11.2	12.8	14.3	15.7	17.0	18.3
77.5°	3.2	3.9	4.8	5.3	5.7	6.8	7.9	9.1	10.3	11.2	12.4
80°	1.3	1.8	2.2	2.6	2.9	3.5	4.3	5.0	5.7	6.7	7.5
82.5°	0.5	0.6	0.8	1.2	1.3	1.6	2.0	2.3	3.0	3.4	3.9
85°	0.1	0.1	0.2	0.2	0.4	0.5	0.6	0.8	1.0	1.2	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	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: P843862

CATALOG NUMBER: LD6C08DE010B2750 EU6C08B30 6LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6
2.5°	373.3	373.2	373.2	373.2	373.2	373.1	373.1	373.1
5°	369.6	369.3	369.2	369.2	368.8	369.0	369.0	368.8
7.5°	363.0	362.8	362.3	362.6	362.5	362.1	361.9	361.8
10°	354.3	353.9	353.7	353.0	352.7	352.6	352.6	352.1
12.5°	344.0	342.7	342.6	341.9	341.1	340.6	340.9	340.0
15°	332.7	330.7	329.7	329.2	328.2	327.3	326.6	326.3
17.5°	318.8	316.5	315.8	315.3	313.2	313.1	312.1	311.7
20°	304.3	302.3	301.2	300.5	298.8	297.3	297.2	297.1
22.5°	290.2	286.9	285.9	284.8	283.0	281.8	281.0	280.4
25°	274.1	271.5	269.8	268.6	267.4	266.4	265.4	265.3
27.5°	258.2	255.6	254.6	253.5	251.9	250.8	249.8	250.2
30°	242.5	240.0	238.8	238.0	236.4	235.7	234.1	234.3
32.5°	227.0	224.7	223.9	222.4	220.8	220.1	219.5	219.0
35°	212.2	210.3	209.0	208.0	206.7	205.4	204.8	204.8
37.5°	197.0	195.1	194.5	193.8	192.5	190.7	190.2	190.6
40°	181.6	180.2	179.6	179.1	177.9	177.3	176.6	176.6
42.5°	167.0	165.6	165.5	165.0	163.9	163.6	163.1	162.8
45°	151.7	151.1	150.6	150.6	150.5	150.3	150.0	149.8
47.5°	137.1	137.2	137.0	136.9	137.0	136.5	137.1	136.8
50°	123.7	123.4	123.7	123.4	123.5	124.1	123.5	124.0
52.5°	109.5	110.5	110.7	110.2	110.7	111.1	111.4	111.9
55°	96.8	97.2	97.4	97.9	98.1	98.9	98.1	98.1
57.5°	84.5	85.1	85.5	85.8	86.8	86.4	87.0	87.6
60°	73.4	74.1	74.7	75.1	75.4	76.3	76.6	76.5
62.5°	62.5	63.7	63.8	64.8	65.0	65.7	66.2	65.7
65°	52.5	53.4	54.2	54.8	55.5	56.2	56.1	56.4
67.5°	43.2	44.4	45.1	45.3	46.3	46.5	47.2	47.5
70°	34.8	35.6	36.4	36.8	37.4	38.2	38.8	39.1
72.5°	26.5	27.9	28.7	28.9	29.9	30.4	30.7	31.0
75°	19.7	20.7	21.2	21.8	22.3	23.4	23.3	23.5
77.5°	13.6	14.4	15.1	15.1	16.0	16.3	16.9	17.0
80°	8.1	9.0	9.4	9.5	10.2	10.5	10.8	11.0
82.5°	4.2	4.9	4.9	5.1	5.6	5.6	5.7	6.0
85°	1.6	1.9	2.0	2.0	2.1	2.3	2.3	2.5
87.5°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
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)