

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: P844015

Luminaire Tested: **LD6C15DE010B2750 EU6C15B27 6LBDWWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844015
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: LD6C15DE010B2750 EU6C15B27 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

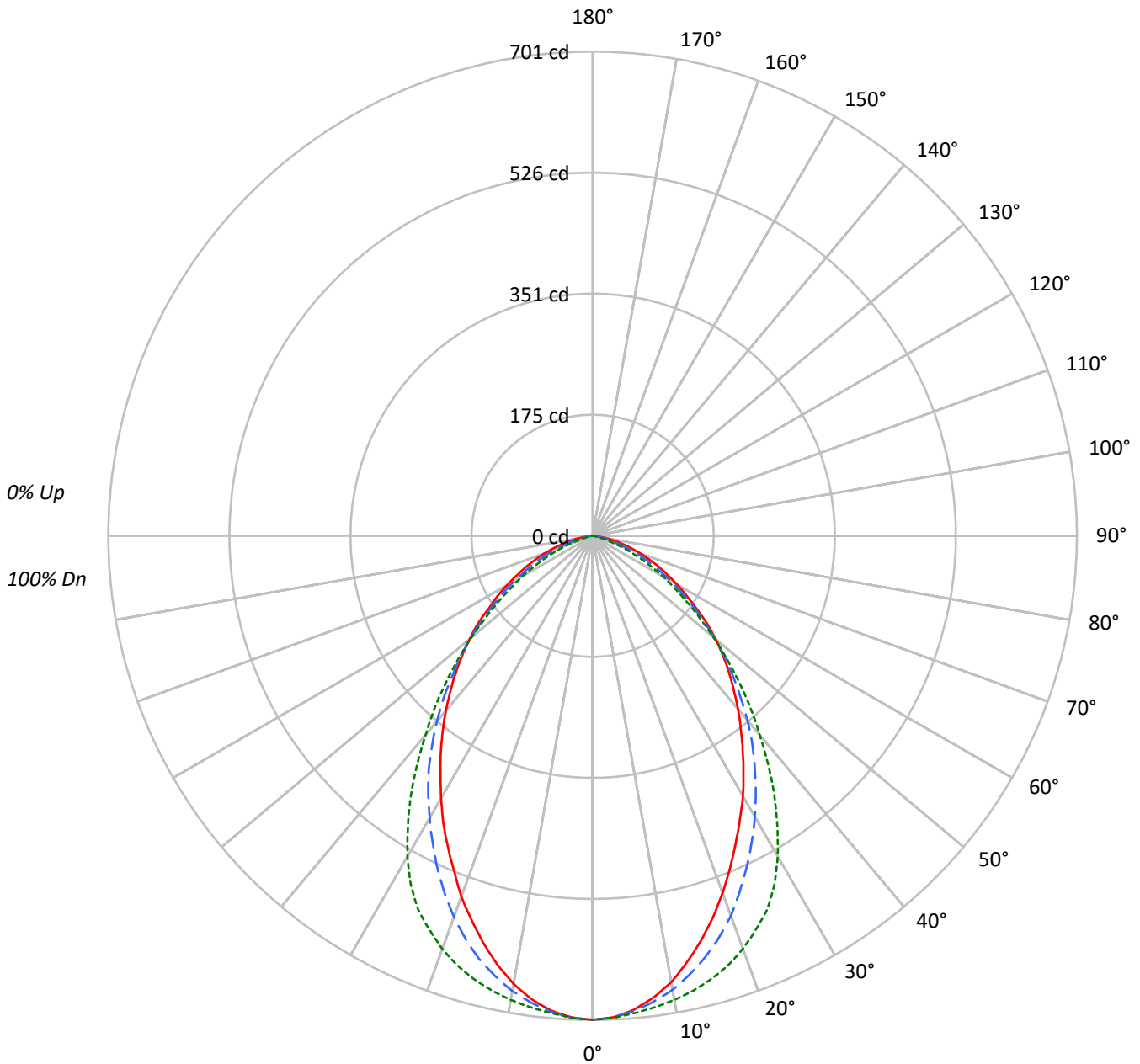
Lumens per Lamp: N/A
Luminaire Lumens: 1254.4 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 17
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	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	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77			77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67			67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59			59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53			53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47			47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42			42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32			32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	38418	38418	38418
5°	37904	38174	37970
10°	36522	37981	36662
15°	34416	37713	34648
20°	32080	37127	32419
25°	29663	36135	30014
30°	27549	33917	27745
35°	25350	30678	25632
40°	23422	26908	23644
45°	21638	23250	21715
50°	19803	19496	19769
55°	17490	15923	17557
60°	15448	12784	15679
65°	13594	9495	13698
70°	11444	5963	11733
75°	9065	2542	9320
80°	6030	600	6503
85°	2516	126	2956



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	5.2
10°-20°	178.2	14.2
20°-30°	246.0	19.6
30°-40°	258.7	20.6
40°-50°	222.8	17.8
50°-60°	158.6	12.6
60°-70°	89.4	7.1
70°-80°	31.7	2.5
80°-90°	3.6	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°	489.4	39.0
0°-40°	748.2	59.6
0°-60°	1129.6	90.1
0°-90°	1254.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1254.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	701	701	701	701	701	
5°	689	690	694	692	690	65
15°	606	631	664	634	610	170
25°	490	528	597	531	496	226
35°	379	409	458	413	383	237
45°	279	287	300	288	280	215
55°	183	177	167	177	184	165
65°	105	90	73	90	106	104
75°	43	29	12	29	44	46
85°	4	2	0	2	5	7
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°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	697.7	697.9	697.9	698.1	697.9	697.9	698.1	698.1	697.9	698.1	698.1
5°	688.8	688.6	688.8	689.0	689.8	689.8	689.5	689.5	690.2	690.0	690.4
7.5°	674.3	674.3	675.0	675.5	675.5	675.7	676.1	677.1	678.0	678.3	680.0
10°	656.1	656.3	656.1	657.0	657.7	658.9	658.6	660.3	661.9	664.3	667.3
12.5°	631.9	632.7	634.1	634.1	636.2	637.3	637.1	640.8	643.9	646.7	650.4
15°	606.4	606.2	607.4	609.3	611.4	613.0	613.7	618.6	621.7	626.3	631.0
17.5°	579.1	578.4	580.2	581.4	585.0	587.1	588.5	592.7	597.6	603.2	609.5
20°	549.9	551.0	551.5	553.1	557.8	559.4	561.8	566.5	571.3	577.9	585.2
22.5°	519.9	521.5	522.5	524.6	528.3	529.8	532.1	538.9	544.3	550.1	556.8
25°	490.4	492.3	493.9	496.5	499.1	501.2	504.2	508.9	515.0	520.4	528.1
27.5°	461.7	463.2	463.8	466.7	469.8	472.7	474.2	479.8	485.0	491.6	499.1
30°	435.2	434.3	435.4	438.0	441.6	443.4	446.2	449.9	455.5	461.9	469.6
32.5°	406.1	406.1	408.0	411.1	413.9	415.3	416.3	421.4	427.0	433.1	439.4
35°	378.8	379.7	381.4	383.3	386.2	387.4	389.5	393.3	397.8	404.5	409.2
37.5°	352.4	353.0	354.7	356.5	359.0	361.3	362.2	366.2	369.4	375.0	379.5
40°	327.3	327.5	329.5	330.1	332.2	333.2	335.1	337.2	341.8	344.2	348.4
42.5°	302.1	303.2	304.0	305.6	305.8	307.7	308.6	309.4	313.1	314.4	316.8
45°	279.1	279.1	279.8	279.8	281.0	280.3	281.8	283.1	283.3	285.7	287.0
47.5°	255.3	254.6	255.5	255.3	255.0	255.0	255.5	255.7	256.5	258.1	258.8
50°	232.2	230.5	230.5	230.2	230.0	230.7	230.7	230.5	230.5	231.2	230.5
52.5°	208.5	208.0	206.9	205.9	205.4	205.4	205.4	204.5	204.5	204.0	202.4
55°	183.0	183.7	183.2	182.8	182.5	181.8	181.8	180.6	178.7	177.8	176.8
57.5°	161.0	161.9	161.9	161.0	159.8	159.4	158.1	157.5	155.8	154.2	152.3
60°	140.9	142.0	140.3	139.7	139.5	138.8	138.2	135.7	134.1	132.4	130.3
62.5°	121.6	122.2	121.0	120.3	119.5	118.9	118.7	116.6	113.7	111.6	109.0
65°	104.8	104.1	103.6	102.5	101.3	100.4	100.4	97.6	95.0	92.4	89.9
67.5°	87.3	87.8	87.0	86.1	84.2	83.3	81.9	80.1	77.6	75.1	72.0
70°	71.4	71.2	70.4	69.5	68.3	66.6	65.5	64.6	61.3	58.3	55.7
72.5°	56.9	56.6	55.9	54.8	53.1	52.5	51.5	49.2	46.5	44.0	41.1
75°	42.8	43.0	41.9	41.5	39.6	38.8	38.6	35.7	33.7	31.3	28.8
77.5°	30.7	30.7	29.5	28.6	27.6	27.2	26.2	24.5	23.0	20.6	18.5
80°	19.1	19.1	19.1	18.3	17.3	16.8	16.2	15.0	13.3	12.0	10.6
82.5°	10.3	10.3	9.8	9.6	9.1	8.7	8.5	7.9	6.8	6.1	5.2
85°	4.0	4.0	3.7	3.7	3.3	3.3	3.1	2.9	2.3	2.1	1.9
87.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	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°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	698.5	698.5	698.1	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.7
5°	691.0	691.6	691.9	692.1	692.5	692.8	693.1	693.3	693.5	693.7	693.7
7.5°	681.3	683.0	684.2	685.3	685.8	686.3	686.9	687.9	688.6	688.6	688.3
10°	669.9	672.0	674.3	676.5	677.1	678.3	679.4	680.9	682.1	682.3	682.3
12.5°	654.9	657.2	661.4	664.9	666.3	668.0	670.3	672.4	673.6	674.3	674.0
15°	636.2	641.1	647.0	650.9	652.8	655.6	659.3	661.7	663.6	664.5	664.0
17.5°	615.9	622.1	628.4	633.8	636.4	639.2	644.4	648.5	651.4	652.1	651.6
20°	592.7	599.7	606.4	613.2	616.7	620.0	625.4	630.8	635.4	636.4	635.7
22.5°	565.1	573.0	581.2	588.9	592.9	596.0	603.7	609.7	615.1	617.4	615.9
25°	536.5	544.9	553.6	560.3	564.8	570.0	576.9	584.0	590.6	597.4	591.2
27.5°	506.1	513.8	522.9	532.3	536.5	540.2	547.5	556.4	563.2	570.0	563.2
30°	475.7	485.5	493.7	501.8	506.6	511.0	518.2	525.5	532.1	535.8	531.6
32.5°	447.2	454.4	462.6	470.5	473.8	477.3	483.4	490.2	496.5	497.6	494.9
35°	417.1	423.5	430.2	435.4	439.4	443.1	448.5	452.8	454.4	458.4	455.5
37.5°	383.3	388.9	394.9	398.7	402.2	405.3	409.2	413.0	414.4	417.4	415.3
40°	351.2	355.9	359.4	363.4	365.2	368.3	370.0	372.9	374.6	376.0	376.2
42.5°	320.4	322.9	325.4	328.3	328.9	329.7	333.7	335.8	337.4	338.3	337.0
45°	288.7	291.3	292.2	294.3	295.5	295.9	297.6	297.8	298.4	299.9	299.2
47.5°	260.0	260.2	260.9	261.9	262.3	262.3	263.2	262.3	262.7	263.0	263.5
50°	229.7	231.4	229.7	230.7	230.9	230.7	230.0	229.5	228.9	228.6	228.3
52.5°	201.3	201.5	200.5	199.8	199.2	199.4	197.5	196.5	196.8	195.3	197.0
55°	175.2	174.3	172.2	171.5	169.9	169.6	169.4	168.3	166.4	166.6	167.1
57.5°	150.2	148.6	146.5	145.3	144.8	143.0	142.7	140.9	139.7	139.5	139.5
60°	127.6	126.1	124.0	121.9	120.3	119.3	118.1	116.2	116.8	116.6	115.4
62.5°	106.0	104.4	101.3	99.0	98.0	97.3	95.7	94.3	93.6	94.3	93.6
65°	86.8	84.2	80.7	78.4	78.2	77.2	75.3	74.4	73.7	73.2	73.9
67.5°	69.1	65.5	63.5	60.4	58.9	58.5	55.9	54.5	54.8	54.5	54.8
70°	52.7	49.2	46.3	44.0	42.1	41.5	40.0	38.2	37.9	37.2	38.2
72.5°	38.2	35.1	32.6	29.9	28.3	27.4	25.5	23.6	23.2	22.7	22.7
75°	26.2	23.6	20.8	18.5	17.3	16.4	14.5	13.1	12.0	12.0	12.0
77.5°	16.4	14.3	12.2	10.6	9.8	8.9	7.3	5.8	5.4	4.7	4.9
80°	9.3	7.7	6.6	5.4	4.7	4.2	3.3	2.5	1.9	1.9	1.9
82.5°	4.4	3.7	2.9	2.3	2.1	1.6	1.2	1.0	0.7	0.4	0.4
85°	1.4	1.2	1.0	0.7	0.4	0.4	0.2	0.2	0.2	0.2	0.2
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°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	698.5	698.7	698.5	698.7	698.5	698.9	698.9	698.7	698.7	698.7	698.5
5°	693.5	693.5	693.3	693.3	693.3	693.1	692.3	692.3	691.9	691.6	691.2
7.5°	688.1	687.7	686.9	686.7	686.0	685.3	683.9	682.7	681.8	680.6	679.4
10°	681.5	680.4	679.0	678.0	677.6	675.9	673.8	671.1	669.2	667.0	664.7
12.5°	673.2	671.7	669.2	667.3	666.1	663.1	660.1	656.6	652.8	649.1	646.7
15°	662.2	659.9	656.6	654.7	652.6	648.3	642.9	638.1	634.3	630.1	624.4
17.5°	649.3	645.8	641.3	638.3	635.7	630.1	623.8	617.4	611.8	606.7	601.1
20°	631.5	627.3	621.9	618.0	615.3	608.1	601.3	593.9	587.1	581.0	574.4
22.5°	610.7	603.7	598.3	593.5	590.8	582.5	575.1	567.1	559.9	554.5	547.5
25°	584.4	577.7	570.9	567.1	562.7	554.1	546.4	538.1	531.4	524.6	518.0
27.5°	556.6	548.7	541.2	536.7	532.7	524.4	516.7	509.1	501.4	493.9	488.1
30°	526.2	518.2	512.4	506.8	502.4	495.6	486.0	478.5	471.7	464.9	458.8
32.5°	492.3	485.8	478.7	475.9	472.7	464.4	457.0	449.7	442.9	436.2	429.8
35°	453.0	447.8	443.6	440.6	438.5	431.2	425.4	417.7	413.4	406.7	402.0
37.5°	412.7	410.2	407.4	403.6	400.5	396.4	392.8	386.6	381.6	376.7	371.5
40°	374.1	371.3	367.5	365.7	365.0	361.3	356.3	353.0	350.3	345.8	343.0
42.5°	336.4	335.1	331.4	330.4	329.5	326.2	323.8	321.0	319.2	315.9	314.4
45°	298.0	297.8	296.9	295.9	295.5	293.2	292.8	289.2	287.6	286.8	285.5
47.5°	264.2	263.5	262.1	263.5	261.3	261.1	261.1	260.4	259.8	257.9	257.6
50°	229.5	230.7	230.9	230.2	231.6	231.4	230.2	230.5	230.9	231.8	230.5
52.5°	197.7	198.6	200.3	199.6	200.7	201.9	201.5	203.3	202.6	203.6	205.4
55°	167.5	170.1	171.8	171.0	172.0	173.3	173.9	175.5	176.8	178.5	179.7
57.5°	141.5	142.3	144.6	145.3	145.5	146.7	149.0	151.7	153.3	154.4	155.6
60°	116.0	118.3	120.0	120.0	121.9	123.5	125.6	128.0	129.9	132.6	134.7
62.5°	94.6	95.0	97.3	97.6	99.0	101.7	103.4	106.9	109.3	112.3	115.1
65°	73.7	75.8	77.2	77.4	79.5	81.6	84.0	87.3	90.5	93.1	95.7
67.5°	55.2	56.4	58.3	59.9	60.4	63.5	66.9	69.9	72.8	75.1	78.4
70°	38.6	39.6	42.1	43.0	44.4	46.7	49.6	52.9	56.2	59.4	62.0
72.5°	23.6	25.7	27.4	28.8	29.9	32.8	35.7	38.6	41.5	44.2	47.5
75°	13.1	14.5	16.4	17.8	18.9	21.0	23.9	26.7	29.3	31.8	34.2
77.5°	5.8	7.3	8.9	9.8	10.8	12.6	14.7	17.0	19.1	21.0	23.2
80°	2.3	3.3	4.2	4.9	5.4	6.6	8.1	9.3	10.8	12.4	14.1
82.5°	1.0	1.2	1.6	2.1	2.3	3.1	3.7	4.4	5.6	6.3	7.3
85°	0.2	0.2	0.4	0.4	0.7	1.0	1.2	1.6	1.9	2.1	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
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°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	698.5	698.1	698.1	698.1	698.1	697.9	697.9	697.9
5°	691.4	691.0	690.7	690.7	690.0	690.2	690.2	690.0
7.5°	679.0	678.6	677.8	678.3	678.0	677.3	677.1	676.9
10°	662.8	661.9	661.7	660.5	659.9	659.5	659.5	658.6
12.5°	643.7	641.1	640.8	639.7	638.1	637.1	637.5	636.2
15°	622.4	618.6	616.7	615.9	614.0	612.3	610.9	610.5
17.5°	596.4	592.2	590.8	589.8	585.8	585.6	583.8	583.1
20°	569.2	565.5	563.4	562.0	559.0	556.2	555.9	555.7
22.5°	542.8	536.7	534.8	532.7	529.5	527.1	525.7	524.6
25°	512.8	508.0	504.7	502.6	500.3	498.4	496.5	496.2
27.5°	482.9	478.3	476.1	474.2	471.2	469.2	467.3	468.2
30°	453.7	449.0	446.6	445.3	442.2	441.0	437.8	438.3
32.5°	424.6	420.4	418.8	416.0	413.2	411.8	410.6	409.7
35°	396.8	393.3	391.0	389.1	386.6	384.2	383.0	383.0
37.5°	368.5	365.0	363.8	362.5	360.1	356.8	355.7	356.5
40°	339.7	337.2	336.0	335.1	332.7	331.6	330.4	330.4
42.5°	312.3	309.8	309.6	308.6	306.7	306.1	305.1	304.4
45°	283.8	282.6	281.8	281.8	281.4	281.2	280.5	280.1
47.5°	256.5	256.7	256.2	255.9	256.2	255.5	256.5	255.7
50°	231.4	230.9	231.4	230.9	231.2	232.2	231.2	231.8
52.5°	204.8	206.9	207.1	206.1	207.1	207.7	208.2	209.4
55°	181.1	181.8	182.2	183.2	183.7	185.1	183.7	183.7
57.5°	158.1	159.4	159.8	160.5	162.3	161.7	162.9	163.8
60°	137.4	138.8	139.7	140.3	141.1	142.7	143.2	143.0
62.5°	117.0	119.1	119.3	121.2	121.6	122.8	123.7	122.8
65°	98.0	99.9	101.3	102.5	103.9	105.0	104.8	105.6
67.5°	80.7	83.0	84.2	84.7	86.6	87.0	88.2	88.9
70°	65.0	66.6	68.1	68.7	69.9	71.4	72.6	73.2
72.5°	49.6	52.1	53.6	54.0	55.9	56.9	57.3	58.1
75°	36.7	38.8	39.6	40.7	41.7	43.8	43.5	44.0
77.5°	25.5	26.9	28.3	28.3	29.9	30.5	31.6	31.8
80°	15.2	16.8	17.6	17.8	18.9	19.7	20.1	20.6
82.5°	7.9	9.1	9.1	9.6	10.6	10.6	10.8	11.2
85°	3.1	3.5	3.7	3.7	4.0	4.4	4.4	4.7
87.5°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7
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)