

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: P844016

Luminaire Tested: **LD6C15DE010B2750 EU6C15B27 6LBLWWH**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844016
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: LD6C15DE010B2750 EU6C15B27 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

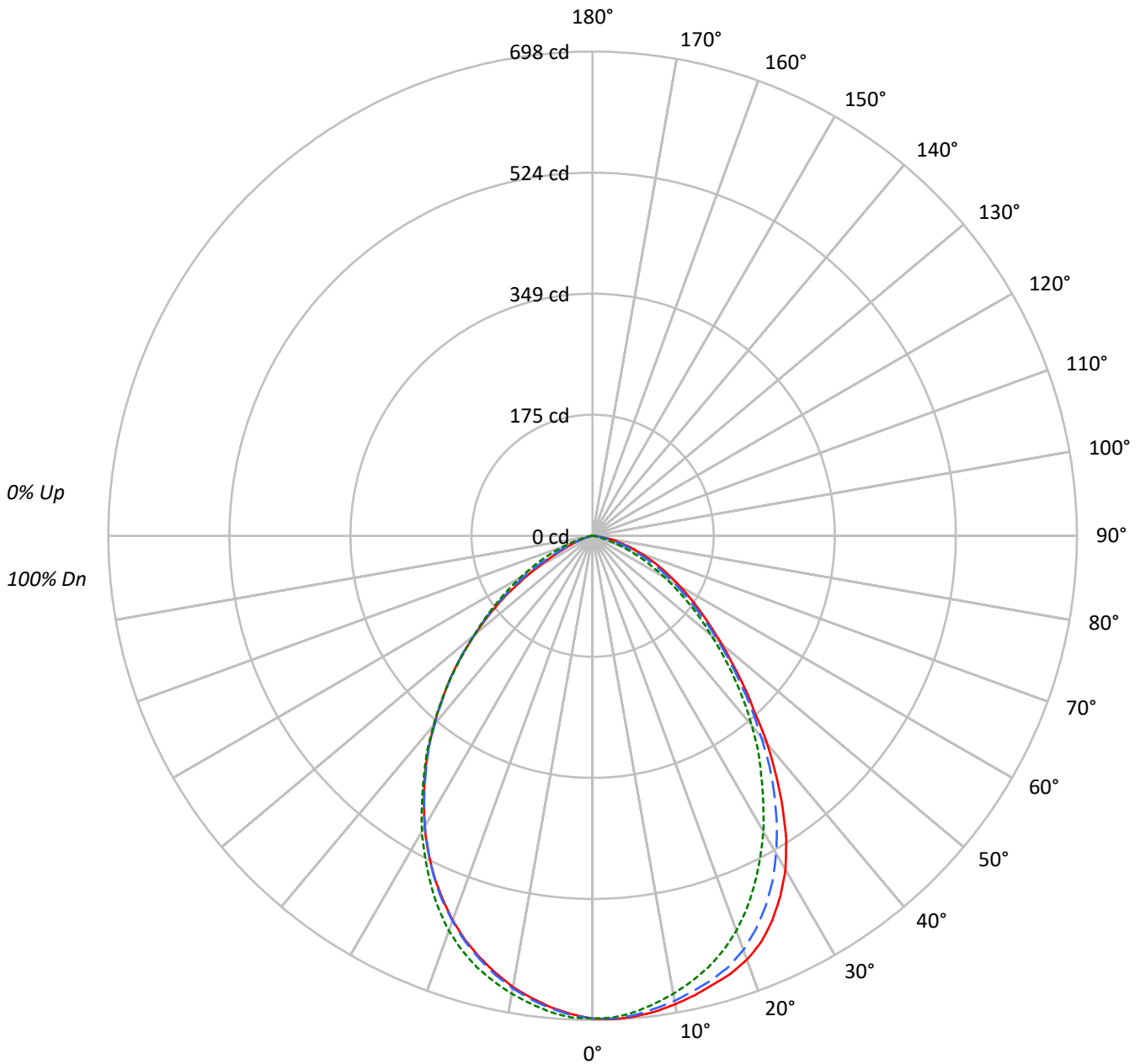
Lumens per Lamp: N/A
Luminaire Lumens: 1266.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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									
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	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	42	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°	38155	38155	38155
5°	38284	37943	37569
10°	38170	37324	36778
15°	38025	36555	35704
20°	37937	35347	34402
25°	37024	33450	32718
30°	35170	31157	30644
35°	31922	28369	28181
40°	28010	25526	25398
45°	24018	22312	22491
50°	20673	19010	18916
55°	18064	16057	15072
60°	15876	13157	10284
65°	13893	10196	6187
70°	11845	6860	3638
75°	9574	3558	1970
80°	6630	1389	1105
85°	2642	440	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	5.2
10°-20°	182.1	14.4
20°-30°	259.1	20.5
30°-40°	272.8	21.5
40°-50°	227.3	18.0
50°-60°	153.6	12.1
60°-70°	77.9	6.2
70°-80°	25.1	2.0
80°-90°	2.9	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°	506.5	40.0
0°-40°	779.2	61.6
0°-60°	1160.1	91.6
0°-90°	1266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1266.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	696	696	696	696	696	
5°	696	694	690	684	683	66
15°	670	663	644	631	629	189
25°	612	590	553	542	541	280
35°	477	456	424	420	421	297
45°	310	302	288	289	290	240
55°	189	180	168	163	158	170
65°	107	97	79	57	48	107
75°	45	35	17	9	9	49
85°	4	2	1	1	1	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°	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0
2.5°	697.6	697.6	697.6	697.6	697.6	697.6	697.4	697.4	697.0	697.0	696.7
5°	695.7	696.0	696.0	695.7	695.7	695.3	695.3	695.1	694.3	693.9	693.7
7.5°	691.8	691.8	691.6	691.3	691.1	690.4	690.1	689.5	688.9	688.5	687.6
10°	685.7	685.7	685.5	685.0	684.7	684.3	684.3	683.3	682.4	681.2	680.6
12.5°	678.5	678.7	678.3	677.9	677.3	677.0	676.6	675.4	674.7	673.3	672.1
15°	670.0	670.5	670.5	669.6	668.8	668.6	667.9	667.3	665.6	664.2	662.8
17.5°	661.9	662.3	661.9	661.1	660.4	659.5	659.0	657.6	655.5	653.6	651.5
20°	650.3	651.1	650.1	649.0	647.6	647.4	646.6	644.3	641.2	638.5	635.4
22.5°	634.3	633.7	633.1	632.6	630.2	628.9	627.9	624.8	621.6	617.9	614.1
25°	612.1	612.9	611.5	609.4	608.2	606.9	604.5	601.3	598.2	594.2	589.7
27.5°	585.8	585.8	583.9	583.2	580.6	578.7	577.6	574.3	570.4	566.4	561.5
30°	555.6	554.2	554.2	550.9	548.8	548.2	547.0	541.6	538.1	533.9	528.9
32.5°	519.1	518.9	517.9	515.8	513.1	510.7	510.7	506.9	502.3	497.1	494.1
35°	477.0	477.2	476.8	474.5	474.5	471.6	471.2	467.9	464.2	460.2	456.5
37.5°	433.5	434.5	433.5	432.4	431.6	431.4	429.3	427.0	424.1	421.8	419.0
40°	391.4	389.9	390.5	388.2	388.4	387.8	387.0	383.9	382.2	379.9	376.9
42.5°	346.1	347.4	347.9	346.5	346.1	345.1	346.1	344.8	343.0	341.8	339.0
45°	309.8	308.3	309.0	308.6	308.8	306.9	306.2	305.8	305.0	303.0	301.7
47.5°	273.7	273.9	273.7	272.8	272.3	272.3	271.4	270.0	270.0	268.5	267.7
50°	242.4	242.4	242.8	241.7	241.2	240.3	240.5	239.1	238.2	237.0	236.3
52.5°	213.6	213.9	212.9	213.1	212.7	212.7	211.7	210.8	209.8	207.7	207.3
55°	189.0	189.2	188.0	188.6	187.2	186.5	186.0	184.6	184.6	182.4	179.9
57.5°	166.2	165.8	165.6	164.9	164.0	163.3	162.6	161.0	160.2	158.9	156.7
60°	144.8	144.6	144.2	143.8	143.2	141.5	141.5	140.3	138.0	136.6	134.5
62.5°	124.7	124.7	124.5	123.7	123.1	122.4	121.8	121.0	118.6	117.0	115.1
65°	107.1	106.9	106.2	105.0	104.6	104.6	102.9	102.3	100.4	98.7	96.7
67.5°	90.3	89.4	88.9	89.2	87.7	87.7	86.3	85.1	83.6	80.7	79.1
70°	73.9	73.5	73.0	72.6	72.3	71.4	70.6	69.3	67.6	65.5	62.9
72.5°	59.2	59.2	58.5	58.1	57.3	56.4	55.9	54.8	52.9	50.6	48.7
75°	45.2	45.2	45.2	44.2	43.8	43.3	41.9	41.1	39.0	37.7	35.3
77.5°	33.2	32.8	32.0	31.8	31.3	30.9	30.1	29.0	27.2	25.5	24.1
80°	21.0	21.8	21.0	21.0	19.9	19.5	19.1	17.8	17.0	15.7	14.5
82.5°	11.7	12.0	11.4	11.2	10.6	10.3	10.3	9.3	8.9	7.9	7.3
85°	4.2	4.4	4.2	4.2	3.7	4.0	3.7	3.5	3.1	2.5	2.3
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0
2.5°	696.7	696.2	696.2	696.0	695.7	695.7	695.7	695.5	695.1	695.1	694.9
5°	693.2	692.8	692.0	691.6	691.3	691.1	690.8	690.6	689.7	689.5	688.7
7.5°	686.8	686.4	685.2	684.7	684.1	683.9	682.9	682.4	681.5	680.6	680.1
10°	679.4	678.3	677.3	676.1	675.6	675.0	673.8	672.3	671.7	670.5	669.6
12.5°	671.0	669.6	667.7	666.3	665.8	664.6	662.8	661.5	660.0	658.1	656.5
15°	660.4	658.8	657.1	654.6	653.8	652.5	650.7	648.2	645.9	644.1	642.2
17.5°	649.0	646.4	643.8	641.0	638.9	638.2	635.2	631.9	629.8	626.5	624.4
20°	632.8	629.3	625.1	622.3	620.4	618.3	614.8	611.3	608.8	605.9	602.9
22.5°	610.6	607.3	602.4	598.2	596.8	593.8	590.7	587.4	584.1	581.2	577.4
25°	584.4	580.9	576.0	571.8	569.4	568.1	562.1	558.9	555.6	553.0	550.5
27.5°	557.5	551.1	547.9	541.4	539.3	538.8	533.4	529.9	526.4	522.9	519.6
30°	524.3	519.4	514.4	509.8	506.9	505.3	501.3	496.9	494.5	492.2	488.9
32.5°	489.9	485.5	479.3	474.9	472.8	470.4	466.9	463.9	460.4	457.8	457.1
35°	453.2	448.2	443.0	439.9	439.3	436.6	433.0	430.5	427.9	423.9	423.2
37.5°	413.9	411.0	407.5	402.9	400.7	400.7	397.2	395.3	392.1	391.9	389.9
40°	375.2	374.1	368.7	367.3	366.8	363.5	362.7	359.4	357.0	356.7	354.0
42.5°	337.1	334.1	333.2	330.8	328.7	328.2	326.2	324.7	323.7	322.4	321.0
45°	299.2	298.5	296.1	294.6	293.8	292.9	292.2	289.4	288.9	287.8	287.0
47.5°	266.4	264.6	262.5	260.6	260.4	259.0	257.3	257.3	254.8	254.6	254.0
50°	233.9	232.6	231.4	228.8	229.3	227.4	227.2	225.1	223.9	222.9	224.1
52.5°	205.4	202.6	202.1	200.0	199.4	199.6	196.9	196.3	195.8	194.9	194.4
55°	178.3	176.8	175.0	173.6	172.4	171.2	170.3	170.3	167.7	168.0	166.8
57.5°	154.4	153.3	150.9	148.8	148.3	146.9	145.7	144.6	144.4	142.7	141.5
60°	133.2	131.0	128.0	127.0	125.6	124.5	123.3	121.8	121.2	120.0	117.9
62.5°	113.3	109.7	108.5	106.7	105.0	104.4	102.5	100.8	99.6	98.0	96.4
65°	94.2	91.7	89.6	87.5	87.3	85.4	83.8	82.4	80.0	78.6	75.5
67.5°	77.0	74.7	72.3	70.2	68.5	68.1	65.5	63.9	62.2	59.4	56.9
70°	61.0	58.7	56.9	54.3	53.6	51.7	49.8	48.2	45.4	42.8	40.7
72.5°	46.5	44.0	41.9	40.0	38.8	37.2	35.3	33.4	30.7	28.0	26.2
75°	33.2	31.3	29.2	27.4	26.4	25.5	23.4	21.3	19.5	16.8	15.2
77.5°	22.4	20.6	18.7	17.0	15.9	15.2	13.9	12.2	10.6	9.1	7.9
80°	13.1	12.0	10.6	9.1	8.9	8.1	7.0	6.1	5.2	4.4	3.5
82.5°	6.3	5.6	4.7	4.0	3.5	3.3	2.9	2.3	1.9	1.6	1.6
85°	1.9	1.6	1.4	1.2	1.0	1.0	0.7	0.7	0.7	0.7	0.7
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0
2.5°	694.1	693.9	693.7	693.4	693.0	693.0	692.2	691.8	691.8	691.3	691.1
5°	688.0	687.4	687.1	686.6	686.2	686.0	685.0	684.7	684.3	683.9	683.9
7.5°	679.4	678.5	677.5	677.0	676.8	676.1	675.6	675.4	674.7	674.2	673.3
10°	667.9	667.3	666.1	665.6	665.1	664.6	663.5	662.8	662.5	662.1	661.5
12.5°	654.6	653.6	652.5	651.5	651.1	650.3	649.2	648.5	648.5	647.6	647.6
15°	640.3	638.9	636.8	635.8	635.6	634.3	633.3	632.4	631.2	630.8	630.8
17.5°	622.1	619.8	617.9	617.9	616.9	615.5	614.1	613.4	612.7	611.7	611.3
20°	600.5	598.9	596.8	596.8	594.7	594.2	592.8	592.6	590.9	591.2	590.5
22.5°	574.6	573.7	572.5	571.5	570.4	569.0	568.3	568.5	567.7	567.5	567.3
25°	548.4	545.8	544.4	543.9	543.4	542.2	541.8	541.6	541.6	540.9	541.1
27.5°	518.2	516.3	514.4	515.2	514.2	513.5	513.1	512.3	512.8	512.5	512.8
30°	487.4	484.9	483.8	484.3	484.1	482.2	483.1	482.9	483.1	483.1	483.6
32.5°	454.8	453.2	452.9	453.2	451.1	451.3	450.3	451.7	452.0	453.4	452.2
35°	421.8	420.8	419.2	419.0	419.2	419.0	419.0	420.0	419.7	421.1	420.6
37.5°	387.8	387.4	385.8	386.2	385.3	387.0	387.4	387.0	388.6	388.2	387.8
40°	354.6	354.0	353.0	354.9	353.8	352.8	354.4	353.0	353.5	354.9	354.9
42.5°	321.0	319.8	319.8	319.8	319.6	319.6	320.3	321.0	320.5	320.8	322.6
45°	287.0	286.8	286.1	286.6	286.3	287.6	287.6	288.0	288.9	289.9	289.4
47.5°	254.3	253.8	254.6	254.0	254.3	253.6	254.0	255.4	256.7	255.0	256.7
50°	223.7	222.7	222.5	223.2	222.9	222.7	223.2	223.2	222.7	222.7	224.3
52.5°	194.4	193.4	192.8	194.0	193.2	193.4	192.5	192.5	193.0	192.5	191.9
55°	167.0	166.4	165.4	165.8	164.7	164.5	163.5	163.5	162.9	162.3	161.0
57.5°	140.9	140.3	138.2	138.0	138.2	136.6	135.0	134.3	132.4	132.0	131.7
60°	117.7	115.1	113.9	112.5	111.6	110.8	109.0	107.9	105.0	103.4	103.1
62.5°	93.6	92.4	91.0	88.9	88.4	86.1	84.2	81.2	79.7	77.6	75.5
65°	74.1	71.1	69.1	67.8	66.0	63.9	61.8	58.5	56.9	54.3	52.1
67.5°	54.3	51.7	48.9	47.9	46.3	43.8	41.7	38.8	37.4	35.1	34.4
70°	37.2	34.9	32.8	31.3	30.1	27.6	25.5	24.5	23.2	22.7	22.7
72.5°	23.9	21.8	19.5	18.7	17.8	16.4	15.0	14.5	15.0	14.7	14.7
75°	13.3	12.2	10.6	9.8	9.8	9.3	9.1	9.1	9.1	9.1	9.1
77.5°	6.8	6.1	5.6	5.4	5.4	5.4	5.6	5.6	5.6	5.8	5.6
80°	3.3	3.1	3.1	3.1	3.3	3.3	3.3	3.3	3.3	3.5	3.3
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.9	1.9	1.9	1.9	1.9
85°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0
2.5°	690.8	690.4	690.4	690.1	690.1	690.1	690.1	690.4
5°	683.3	683.1	683.1	682.7	682.7	682.7	682.7	682.7
7.5°	673.3	672.9	673.1	672.5	672.5	672.9	672.5	672.3
10°	660.9	660.7	660.9	660.9	660.4	660.2	660.4	660.7
12.5°	646.8	646.6	646.2	646.4	646.4	646.2	645.9	645.5
15°	630.5	630.2	630.0	629.8	629.5	629.8	629.5	629.1
17.5°	611.3	611.3	611.1	610.8	610.6	610.1	610.4	611.1
20°	590.7	590.5	590.1	590.3	589.3	588.9	589.1	589.7
22.5°	567.1	566.4	566.9	566.2	566.2	566.4	566.2	565.7
25°	541.4	540.5	540.9	541.1	541.1	540.9	540.7	540.9
27.5°	512.8	513.5	513.5	513.1	513.8	512.8	513.3	513.5
30°	483.6	482.9	482.6	483.6	484.9	483.8	483.8	484.1
32.5°	453.4	452.5	452.5	452.9	452.7	452.7	453.6	452.5
35°	421.1	421.6	419.7	420.8	421.4	420.8	421.1	421.1
37.5°	388.6	388.2	388.2	388.2	388.8	388.8	389.3	389.1
40°	356.5	355.6	355.4	355.8	354.9	355.6	355.6	354.9
42.5°	321.9	322.2	323.3	322.2	322.4	322.2	321.6	321.4
45°	289.9	290.5	290.1	289.9	290.1	289.2	289.4	290.1
47.5°	255.9	257.3	255.9	256.9	256.7	256.2	255.7	254.8
50°	224.1	224.6	224.3	224.1	223.9	223.7	222.5	221.8
52.5°	191.6	191.6	191.6	191.6	189.2	190.5	190.0	188.6
55°	159.8	160.4	159.6	159.6	157.9	157.9	157.5	157.7
57.5°	129.1	128.4	127.8	127.8	126.1	125.4	124.7	123.7
60°	100.6	99.9	99.0	97.8	96.1	96.1	95.7	93.8
62.5°	73.7	72.6	71.8	70.9	69.5	68.5	67.8	68.3
65°	50.6	49.4	48.4	48.4	48.4	47.9	47.7	47.7
67.5°	33.2	34.0	33.4	34.0	34.0	33.4	33.2	33.7
70°	23.0	23.0	22.7	22.7	22.7	22.7	22.4	22.7
72.5°	14.7	14.7	14.7	15.0	14.7	14.7	15.0	15.0
75°	9.3	9.3	9.3	9.6	9.3	9.3	9.6	9.3
77.5°	5.6	5.8	5.8	5.8	5.8	5.6	5.8	5.8
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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)