

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: P843958

Luminaire Tested: **LD6C10DE010B2750 EU6C10B30 6LBSWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252180)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B2750 EU6C10B30 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

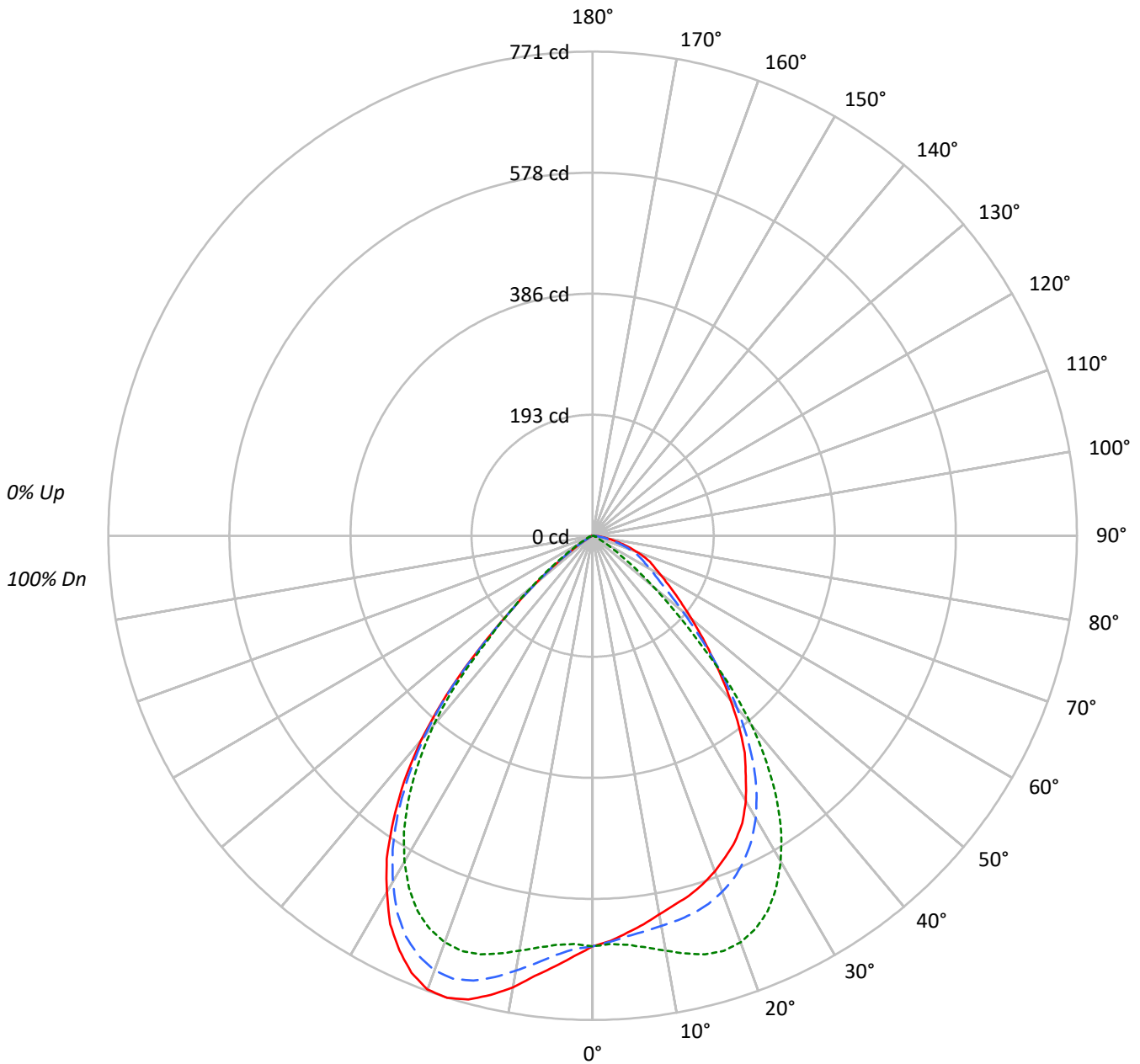
Lumens per Lamp: N/A
Luminaire Lumens: 1195.1 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80																			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72																			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65																			
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58																			
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																			
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48																			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44																			
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40																			
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	35841	35841	35841
5°	34916	35978	37871
10°	34062	37341	40642
15°	33666	39166	43388
20°	33183	40183	44851
25°	32482	39885	44047
30°	30866	37905	41468
35°	28235	34178	37015
40°	24424	28224	30371
45°	20599	18514	19870
50°	17492	10712	10072
55°	15177	5132	3880
60°	13705	2401	965
65°	13296	1375	324
70°	11925	1106	305
75°	9786	805	127
80°	7324	410	0
85°	6290	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	5.3
10°-20°	192.5	16.1
20°-30°	294.1	24.6
30°-40°	307.6	25.7
40°-50°	199.5	16.7
50°-60°	79.2	6.6
60°-70°	37.6	3.1
70°-80°	17.9	1.5
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°	549.7	46.0
0°-40°	857.3	71.7
0°-60°	1136.0	95.1
0°-90°	1195.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1195.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	654	654	654	654	654	
5°	634	640	654	670	688	60
15°	593	622	690	733	764	167
25°	537	571	659	704	728	246
35°	422	448	511	541	553	261
45°	266	263	239	253	256	207
55°	159	135	54	42	41	144
65°	102	85	11	2	2	100
75°	46	38	4	1	1	50
85°	10	6	0	0	0	12
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°	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8
2.5°	645.7	647.0	640.1	638.2	643.3	645.1	645.7	643.8	644.4	647.0	647.0
5°	634.5	635.7	629.4	627.6	632.6	633.8	635.7	635.1	637.0	640.7	640.1
7.5°	623.8	625.7	618.8	616.3	622.6	625.7	627.0	627.0	629.4	634.5	635.1
10°	611.9	614.5	608.2	607.0	613.9	616.9	617.6	618.8	622.6	629.4	630.7
12.5°	602.0	604.4	600.1	598.2	605.7	608.8	610.0	612.6	616.9	625.7	627.0
15°	593.2	595.0	590.1	588.8	596.3	600.1	600.7	604.4	610.0	620.1	622.0
17.5°	581.9	583.2	579.5	578.2	585.7	589.4	590.1	594.4	601.4	611.3	614.5
20°	568.8	570.1	566.4	565.1	572.6	576.9	577.6	581.4	589.4	600.1	603.2
22.5°	553.1	555.7	551.3	550.1	557.6	561.3	563.2	566.4	574.4	585.1	589.4
25°	537.0	537.0	533.8	533.2	540.0	544.5	543.8	548.2	556.3	567.0	570.7
27.5°	515.7	515.1	511.9	511.4	518.8	522.6	521.3	525.6	533.2	543.8	547.5
30°	487.6	488.8	484.4	483.1	489.5	495.7	495.1	499.4	506.9	517.0	519.4
32.5°	453.8	455.1	454.5	452.6	458.2	461.3	463.1	466.3	472.6	483.1	485.7
35°	421.9	420.1	417.6	417.6	423.2	428.1	426.3	430.0	436.3	447.0	447.6
37.5°	382.5	381.9	380.6	379.4	385.7	386.9	387.5	390.1	395.7	404.4	403.2
40°	341.3	341.9	341.3	338.8	342.6	347.5	346.9	348.2	353.1	359.4	357.6
42.5°	302.5	302.5	302.5	300.1	304.4	306.9	308.2	307.6	308.8	314.4	311.9
45°	265.7	266.3	265.7	265.0	265.7	266.9	265.7	265.0	265.0	266.9	263.1
47.5°	233.7	233.7	231.9	230.0	231.9	232.5	230.7	228.8	228.1	227.5	221.3
50°	205.1	204.4	203.8	200.6	202.5	203.2	200.6	199.4	196.9	193.8	186.2
52.5°	180.0	179.4	178.7	175.7	176.9	177.5	175.0	172.5	169.4	166.9	157.5
55°	158.8	158.1	158.1	156.3	155.0	156.3	153.8	151.9	147.5	144.4	135.1
57.5°	140.7	140.7	139.4	137.5	138.1	138.1	135.7	133.2	129.3	125.6	118.1
60°	125.0	125.0	125.0	123.1	123.1	123.1	121.8	119.4	116.2	112.5	105.0
62.5°	112.5	112.5	111.9	110.0	110.6	110.6	109.4	106.9	103.8	101.2	93.8
65°	102.5	102.5	102.5	100.7	100.7	101.2	100.1	97.5	95.0	91.9	85.0
67.5°	90.0	89.4	89.4	88.1	88.7	89.4	88.1	86.3	83.1	81.2	75.0
70°	74.4	75.0	75.6	73.8	74.4	74.4	73.8	71.9	70.0	68.1	62.5
72.5°	60.6	60.6	60.0	59.4	59.4	60.0	58.8	56.9	55.6	54.4	50.0
75°	46.2	45.6	46.2	45.1	45.1	45.1	43.8	43.2	42.5	40.6	37.5
77.5°	33.7	33.1	33.1	31.8	32.5	32.5	31.8	30.7	29.4	28.8	26.2
80°	23.2	23.2	23.2	22.5	22.5	21.9	21.9	21.3	20.0	19.4	18.1
82.5°	15.7	15.7	15.7	15.0	15.0	15.0	14.4	13.7	13.1	12.5	11.2
85°	10.0	10.0	10.0	9.4	9.4	9.4	8.8	8.8	8.1	7.5	6.2
87.5°	5.6	5.6	5.6	5.0	5.0	5.0	5.0	5.0	4.3	3.8	3.2
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°	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8
2.5°	651.3	642.6	648.2	648.2	646.3	651.3	654.5	657.0	656.4	650.7	650.0
5°	646.3	638.8	645.1	645.7	643.8	650.7	655.1	658.2	658.8	653.8	654.5
7.5°	642.6	636.4	644.4	647.0	646.3	652.6	657.6	662.6	665.0	661.3	662.0
10°	640.7	635.7	644.4	648.2	648.9	655.7	663.2	670.1	673.2	670.8	672.5
12.5°	638.2	635.1	645.1	650.7	653.2	660.1	669.5	677.6	682.6	681.3	685.0
15°	635.7	633.2	645.1	653.2	656.4	662.6	673.2	685.0	690.7	690.1	695.1
17.5°	629.4	628.9	641.3	650.0	654.5	662.0	671.9	686.3	692.0	693.2	699.4
20°	619.5	619.5	633.2	642.6	647.6	654.5	666.9	680.7	687.6	688.8	695.7
22.5°	605.7	607.0	620.1	629.4	637.0	642.0	655.1	669.5	675.7	677.6	685.0
25°	587.6	588.8	601.4	610.7	618.8	624.4	637.0	650.0	657.6	659.4	665.0
27.5°	563.8	566.4	578.2	587.6	594.4	598.2	611.3	625.1	630.7	632.6	638.2
30°	536.3	537.0	548.8	556.9	563.8	567.0	578.2	592.6	596.9	598.8	607.0
32.5°	502.6	502.0	513.2	520.7	526.3	530.1	541.9	551.3	555.7	558.9	563.2
35°	462.0	461.3	469.4	478.2	482.6	483.8	495.7	505.7	508.2	510.7	516.3
37.5°	416.3	416.3	423.2	427.6	432.6	434.4	440.1	451.3	455.7	455.1	459.4
40°	368.2	365.7	370.7	375.0	376.3	376.9	382.5	391.3	394.4	394.4	397.6
42.5°	317.5	313.8	314.4	316.9	318.1	313.8	317.5	323.1	321.3	323.7	324.4
45°	263.8	258.2	255.6	250.0	251.3	246.9	244.4	245.7	245.1	238.8	240.1
47.5°	220.0	210.0	205.6	197.6	195.7	190.7	187.5	181.9	176.9	176.9	173.8
50°	183.2	173.1	164.4	155.0	151.9	147.5	140.7	133.2	129.3	125.6	122.5
52.5°	153.8	143.1	132.5	122.5	118.1	112.5	103.1	95.6	88.7	85.0	81.2
55°	130.0	118.1	106.9	96.2	90.6	85.0	75.6	66.8	58.8	53.7	50.7
57.5°	111.9	100.7	88.7	77.5	72.6	66.2	56.3	46.9	39.3	33.7	30.7
60°	98.8	87.5	76.9	65.0	60.0	53.7	43.2	34.4	26.9	21.9	18.1
62.5°	87.5	77.5	66.2	55.6	50.7	44.4	34.4	25.6	18.7	13.7	10.6
65°	79.4	69.4	60.0	49.4	45.1	38.8	29.4	21.3	15.0	10.6	7.5
67.5°	70.0	61.2	51.8	43.2	38.8	33.7	25.0	18.1	12.5	8.8	6.2
70°	58.8	51.8	43.8	35.6	32.5	28.1	20.6	15.0	10.0	6.9	5.0
72.5°	46.9	41.2	35.0	28.8	26.2	21.9	16.8	11.8	7.5	5.0	3.8
75°	35.6	31.2	26.2	21.9	19.4	16.8	12.5	8.8	5.6	3.8	2.5
77.5°	24.4	22.5	18.7	15.0	13.7	11.8	8.1	5.6	3.8	2.5	1.3
80°	16.8	15.0	12.5	10.0	8.8	7.5	5.0	3.8	1.9	1.3	0.6
82.5°	10.6	8.8	7.5	6.2	5.6	4.3	3.2	1.9	1.3	0.6	0.6
85°	5.6	5.0	4.3	3.2	3.2	2.5	1.9	1.3	0.6	0.0	0.0
87.5°	3.2	2.5	1.9	1.3	1.3	0.6	0.6	0.6	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°	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8
2.5°	657.6	657.6	657.0	664.4	655.7	664.4	660.1	664.4	658.2	657.6	658.2
5°	662.6	664.4	665.0	671.9	663.9	674.5	670.8	674.5	670.1	671.4	673.2
7.5°	672.5	675.7	675.1	683.9	675.7	687.6	685.0	690.7	686.3	687.6	690.1
10°	683.9	687.6	688.2	697.0	689.5	703.9	700.7	706.9	703.2	705.1	708.2
12.5°	697.0	701.3	702.0	712.0	703.9	718.9	717.0	723.2	720.0	721.9	725.7
15°	706.9	713.2	714.4	724.5	715.7	731.4	730.1	738.2	733.3	736.3	739.5
17.5°	712.0	717.6	720.0	729.4	721.9	737.6	736.3	743.2	739.5	742.6	746.4
20°	708.8	715.7	717.6	727.0	719.5	735.1	733.3	740.1	736.3	738.9	742.6
22.5°	697.6	704.5	706.9	715.7	708.8	723.2	722.6	728.8	723.8	727.0	730.1
25°	677.6	685.0	686.3	694.4	686.9	702.0	700.7	707.6	703.9	705.7	710.1
27.5°	648.9	657.6	659.4	666.3	660.7	673.2	673.2	678.8	674.5	674.5	678.8
30°	614.5	623.2	624.4	630.0	625.1	636.4	637.0	642.6	635.7	639.4	640.1
32.5°	572.6	578.2	581.9	587.0	579.5	593.9	592.0	596.3	592.6	592.6	595.7
35°	521.9	528.8	530.7	537.0	530.7	541.9	541.9	544.5	540.7	540.7	545.7
37.5°	466.9	471.9	472.6	478.8	473.8	483.1	482.6	484.4	480.7	483.1	483.1
40°	402.5	406.3	407.5	410.7	410.0	416.9	416.3	417.6	415.7	416.3	417.6
42.5°	327.5	332.5	335.1	337.5	333.8	343.2	341.3	343.2	342.6	343.2	345.0
45°	241.2	245.1	246.9	247.5	246.3	251.9	256.3	252.6	253.2	251.9	254.4
47.5°	174.4	175.0	173.8	177.5	174.4	176.9	178.1	178.7	175.0	174.4	176.9
50°	119.4	122.5	118.1	120.0	119.4	121.8	120.7	121.3	117.5	119.4	118.1
52.5°	79.4	78.8	77.5	78.2	76.9	76.9	76.9	78.2	75.6	74.4	73.2
55°	48.1	46.9	44.4	43.8	43.8	44.4	43.2	41.9	41.9	41.2	41.2
57.5°	28.1	26.2	25.0	24.4	23.2	22.5	21.9	21.9	20.6	20.6	20.6
60°	15.7	13.7	12.5	11.2	11.2	10.6	10.0	9.4	9.4	9.4	8.8
62.5°	8.1	6.9	5.6	5.0	5.0	4.3	3.8	3.8	3.8	3.8	3.2
65°	5.6	4.3	3.8	3.2	3.2	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	4.3	3.8	3.2	2.5	2.5	2.5	1.9	1.9	1.9	1.9	1.9
70°	3.8	2.5	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	2.5	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	653.8	653.8	653.8	653.8	653.8	653.8	653.8	653.8
2.5°	663.9	663.2	663.9	665.0	662.6	670.1	666.3	670.1
5°	678.3	678.8	679.4	681.3	678.3	687.6	682.6	688.2
7.5°	697.0	697.6	698.2	700.0	698.2	707.6	702.0	706.9
10°	716.3	717.6	717.6	720.7	718.9	727.5	723.8	730.1
12.5°	734.4	735.7	737.0	738.9	737.6	747.0	743.8	748.8
15°	748.8	751.3	752.0	754.4	753.2	763.2	759.5	764.5
17.5°	755.7	758.2	758.2	761.3	760.1	770.7	765.7	771.3
20°	752.0	753.9	754.4	757.6	756.3	767.0	761.9	768.8
22.5°	740.1	740.7	741.3	744.5	743.8	753.2	748.8	753.2
25°	718.2	720.0	719.5	721.9	721.9	729.4	724.5	728.2
27.5°	686.9	688.8	688.8	692.0	689.5	697.0	692.0	697.6
30°	648.9	650.7	649.5	651.9	649.5	657.0	653.2	655.1
32.5°	603.2	603.2	603.8	604.4	603.2	610.0	606.3	610.0
35°	548.8	550.1	550.7	551.3	550.1	555.0	550.7	553.1
37.5°	487.6	490.7	490.1	490.7	488.8	495.1	491.3	492.5
40°	421.9	421.9	421.3	422.5	420.7	425.7	423.2	424.4
42.5°	345.6	347.5	345.0	348.2	343.2	350.1	347.5	345.6
45°	259.4	256.9	256.3	256.9	255.0	255.6	257.5	256.3
47.5°	176.9	176.9	175.7	173.8	176.3	176.9	174.4	174.4
50°	118.8	118.8	117.5	116.9	118.1	117.5	116.2	118.1
52.5°	75.6	73.2	73.2	74.4	73.2	71.9	73.8	72.6
55°	41.2	40.0	40.0	41.2	40.0	40.0	39.3	40.6
57.5°	20.0	20.6	20.0	20.0	20.0	20.0	19.4	20.0
60°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
62.5°	3.8	3.8	3.2	3.2	3.2	3.2	3.2	3.2
65°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	1.9	1.9	1.9	1.9	1.9	2.5	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	2.5	2.5	2.5	2.5	2.5	2.5
75°	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)