

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: P843975

Luminaire Tested: **LD6C10DE010B2750 EU6C10B35 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P843975
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 EU6C10B35 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

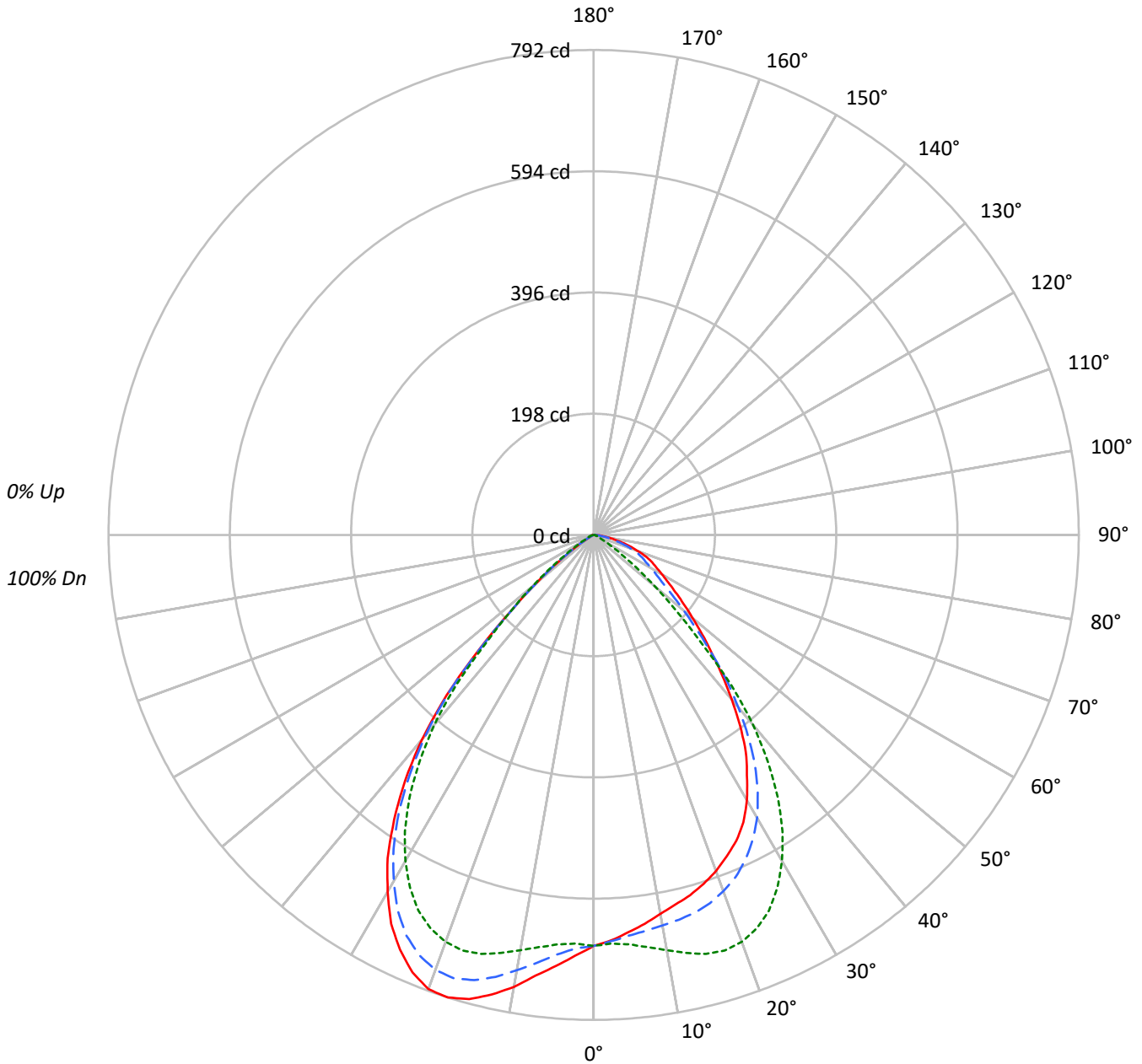
Lumens per Lamp: N/A
Luminaire Lumens: 1226.8 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	36795	36795	36795
5°	35841	36936	38878
10°	34969	38326	41716
15°	34563	40205	44541
20°	34064	41251	46041
25°	33341	40950	45214
30°	31682	38911	42564
35°	28984	35088	37999
40°	25076	28976	31173
45°	21149	19010	20390
50°	17953	11002	10345
55°	15579	5276	3986
60°	14067	2456	987
65°	13646	1414	324
70°	12246	1138	305
75°	10061	805	127
80°	7482	410	0
85°	6479	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	5.3
10°-20°	197.6	16.1
20°-30°	301.9	24.6
30°-40°	315.7	25.7
40°-50°	204.8	16.7
50°-60°	81.3	6.6
60°-70°	38.6	3.1
70°-80°	18.3	1.5
80°-90°	3.7	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°	564.3	46.0
0°-40°	880.0	71.7
0°-60°	1166.2	95.1
0°-90°	1226.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1226.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	671	671	671	671	671	
5°	651	657	671	688	706	61
15°	609	638	708	753	785	172
25°	551	586	677	722	748	252
35°	433	459	524	555	568	268
45°	273	270	245	260	263	212
55°	163	139	55	43	42	148
65°	105	87	11	2	2	103
75°	48	38	4	1	1	51
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°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
2.5°	662.8	664.1	657.1	655.1	660.3	662.2	662.8	660.9	661.5	664.1	664.1
5°	651.3	652.6	646.1	644.2	649.4	650.7	652.6	651.9	653.8	657.7	657.1
7.5°	640.4	642.3	635.2	632.7	639.1	642.3	643.6	643.6	646.1	651.3	651.9
10°	628.2	630.8	624.3	623.1	630.1	633.3	633.9	635.2	639.1	646.1	647.5
12.5°	618.0	620.5	616.0	614.1	621.8	625.0	626.2	628.9	633.3	642.3	643.6
15°	609.0	610.9	605.7	604.4	612.2	616.0	616.6	620.5	626.2	636.5	638.5
17.5°	597.4	598.6	594.8	593.5	601.3	605.1	605.7	610.3	617.2	627.6	630.8
20°	583.9	585.2	581.4	580.1	587.7	592.3	592.9	596.7	605.1	616.0	619.2
22.5°	567.8	570.5	565.9	564.7	572.4	576.2	578.1	581.4	589.7	600.6	605.1
25°	551.2	551.2	548.0	547.3	554.4	558.9	558.2	562.8	571.1	582.0	585.8
27.5°	529.3	528.7	525.5	524.9	532.6	536.4	535.2	539.6	547.3	558.2	562.1
30°	500.5	501.7	497.3	496.0	502.5	508.8	508.2	512.7	520.4	530.6	533.3
32.5°	465.9	467.2	466.5	464.6	470.3	473.5	475.5	478.7	485.1	496.0	498.6
35°	433.1	431.2	428.7	428.7	434.4	439.6	437.6	441.5	447.9	458.8	459.4
37.5°	392.7	392.1	390.8	389.5	395.9	397.1	397.9	400.4	406.2	415.1	413.9
40°	350.4	351.0	350.4	347.7	351.7	356.7	356.1	357.4	362.6	368.9	367.0
42.5°	310.5	310.5	310.5	308.0	312.5	315.1	316.3	315.7	317.0	322.8	320.1
45°	272.8	273.4	272.8	272.0	272.8	274.0	272.8	272.0	272.0	274.0	270.1
47.5°	240.0	240.0	238.1	236.2	238.1	238.7	236.8	234.9	234.2	233.5	227.2
50°	210.5	209.8	209.2	206.0	207.9	208.6	206.0	204.7	202.1	198.9	191.2
52.5°	184.8	184.1	183.5	180.3	181.6	182.2	179.7	177.0	173.9	171.3	161.7
55°	163.0	162.3	162.3	160.4	159.2	160.4	157.8	155.9	151.5	148.2	138.7
57.5°	144.4	144.4	143.1	141.2	141.8	141.8	139.3	136.6	132.8	129.0	121.3
60°	128.3	128.3	128.3	126.4	126.4	126.4	125.1	122.6	119.4	115.5	107.8
62.5°	115.5	115.5	114.9	113.0	113.6	113.6	112.3	109.8	106.5	104.0	96.2
65°	105.2	105.2	105.2	103.3	103.3	104.0	102.7	100.2	97.5	94.3	87.3
67.5°	92.4	91.8	91.8	90.4	91.2	91.8	90.4	88.5	85.4	83.4	77.0
70°	76.4	77.0	77.6	75.7	76.4	76.4	75.7	73.8	71.9	69.9	64.2
72.5°	62.3	62.3	61.6	60.9	60.9	61.6	60.3	58.4	57.1	55.8	51.3
75°	47.5	46.9	47.5	46.2	46.2	46.2	44.9	44.3	43.7	41.7	38.5
77.5°	34.7	34.1	34.1	32.7	33.4	33.4	32.7	31.4	30.1	29.5	27.0
80°	23.7	23.7	23.7	23.1	23.1	22.4	22.4	21.8	20.5	19.9	18.6
82.5°	16.1	16.1	16.1	15.4	15.4	15.4	14.8	14.1	13.4	12.8	11.5
85°	10.3	10.3	10.3	9.6	9.6	9.6	9.0	9.0	8.4	7.7	6.5
87.5°	5.7	5.7	5.7	5.2	5.2	5.2	5.2	5.2	4.4	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°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
2.5°	668.6	659.6	665.4	665.4	663.5	668.6	671.8	674.3	673.7	668.0	667.4
5°	663.5	655.7	662.2	662.8	660.9	668.0	672.4	675.7	676.4	671.2	671.8
7.5°	659.6	653.2	661.5	664.1	663.5	669.9	675.1	680.2	682.7	678.9	679.5
10°	657.7	652.6	661.5	665.4	666.1	673.1	680.8	687.9	691.1	688.5	690.4
12.5°	655.1	651.9	662.2	668.0	670.5	677.6	687.3	695.6	700.7	699.4	703.2
15°	652.6	650.0	662.2	670.5	673.7	680.2	691.1	703.2	709.0	708.4	713.6
17.5°	646.1	645.6	658.4	667.4	671.8	679.5	689.8	704.6	710.3	711.6	718.0
20°	636.0	636.0	650.0	659.6	664.7	671.8	684.7	698.8	705.9	707.1	714.2
22.5°	621.8	623.1	636.5	646.1	653.8	659.0	672.4	687.3	693.6	695.6	703.2
25°	603.2	604.4	617.2	626.9	635.2	641.0	653.8	667.4	675.1	677.0	682.7
27.5°	578.8	581.4	593.5	603.2	610.3	614.1	627.6	641.7	647.5	649.4	655.1
30°	550.6	551.2	563.4	571.8	578.8	582.0	593.5	608.4	612.8	614.7	623.1
32.5°	515.9	515.3	526.8	534.5	540.2	544.2	556.3	565.9	570.5	573.7	578.1
35°	474.2	473.5	481.9	490.8	495.4	496.7	508.8	519.1	521.7	524.3	530.0
37.5°	427.4	427.4	434.4	438.9	444.0	446.0	451.7	463.2	467.8	467.2	471.6
40°	377.9	375.4	380.5	385.0	386.2	386.9	392.7	401.7	404.9	404.9	408.1
42.5°	326.0	322.2	322.8	325.3	326.6	322.2	326.0	331.8	329.8	332.4	333.0
45°	270.8	265.0	262.4	256.7	258.0	253.4	250.9	252.1	251.5	245.2	246.4
47.5°	225.9	215.7	211.1	202.7	200.8	195.7	192.5	186.7	181.6	181.6	178.4
50°	188.0	177.8	168.8	159.2	155.9	151.5	144.4	136.6	132.8	129.0	125.8
52.5°	157.8	146.9	136.0	125.8	121.3	115.5	105.9	98.1	91.2	87.3	83.4
55°	133.5	121.3	109.8	98.8	93.1	87.3	77.6	68.6	60.3	55.2	51.9
57.5°	114.9	103.3	91.2	79.5	74.5	68.0	57.7	48.1	40.4	34.7	31.4
60°	101.4	89.8	78.9	66.7	61.6	55.2	44.3	35.3	27.6	22.4	18.6
62.5°	89.8	79.5	68.0	57.1	51.9	45.6	35.3	26.3	19.2	14.1	10.9
65°	81.5	71.2	61.6	50.7	46.2	39.8	30.1	21.8	15.4	10.9	7.7
67.5°	71.9	62.8	53.2	44.3	39.8	34.7	25.7	18.6	12.8	9.0	6.5
70°	60.3	53.2	44.9	36.6	33.4	28.9	21.2	15.4	10.3	7.1	5.2
72.5°	48.1	42.3	36.0	29.5	27.0	22.4	17.3	12.2	7.7	5.2	3.8
75°	36.6	32.0	27.0	22.4	19.9	17.3	12.8	9.0	5.7	3.8	2.5
77.5°	25.1	23.1	19.2	15.4	14.1	12.2	8.4	5.7	3.8	2.5	1.3
80°	17.3	15.4	12.8	10.3	9.0	7.7	5.2	3.8	1.9	1.3	0.6
82.5°	10.9	9.0	7.7	6.5	5.7	4.4	3.2	1.9	1.3	0.6	0.6
85°	5.7	5.2	4.4	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°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
2.5°	675.1	675.1	674.3	682.1	673.1	682.1	677.6	682.1	675.7	675.1	675.7
5°	680.2	682.1	682.7	689.8	681.4	692.3	688.5	692.3	687.9	689.2	691.1
7.5°	690.4	693.6	693.1	702.0	693.6	705.9	703.2	709.0	704.6	705.9	708.4
10°	702.0	705.9	706.5	715.5	707.8	722.5	719.3	725.7	721.8	723.8	727.0
12.5°	715.5	719.9	720.6	730.8	722.5	737.9	736.0	742.5	739.2	741.1	745.0
15°	725.7	732.1	733.5	743.7	734.7	750.7	749.4	757.8	752.7	755.9	759.1
17.5°	730.8	736.6	739.2	748.8	741.1	757.2	755.9	763.0	759.1	762.3	766.1
20°	727.7	734.7	736.6	746.3	738.5	754.6	752.7	759.7	755.9	758.4	762.3
22.5°	716.1	723.2	725.7	734.7	727.7	742.5	741.8	748.2	743.1	746.3	749.4
25°	695.6	703.2	704.6	712.8	705.2	720.6	719.3	726.4	722.5	724.5	728.9
27.5°	666.1	675.1	677.0	684.0	678.3	691.1	691.1	696.9	692.3	692.3	696.9
30°	630.8	639.8	641.0	646.8	641.7	653.2	653.8	659.6	652.6	656.5	657.1
32.5°	587.7	593.5	597.4	602.5	594.8	609.6	607.6	612.2	608.4	608.4	611.5
35°	535.8	542.9	544.8	551.2	544.8	556.3	556.3	558.9	555.0	555.0	560.2
37.5°	479.3	484.5	485.1	491.5	486.4	496.0	495.4	497.3	493.5	496.0	496.0
40°	413.2	417.1	418.4	421.6	420.9	428.0	427.4	428.7	426.8	427.4	428.7
42.5°	336.2	341.4	343.9	346.5	342.7	352.3	350.4	352.3	351.7	352.3	354.2
45°	247.7	251.5	253.4	254.1	252.8	258.6	263.0	259.2	259.9	258.6	261.1
47.5°	179.1	179.7	178.4	182.2	179.1	181.6	182.9	183.5	179.7	179.1	181.6
50°	122.6	125.8	121.3	123.2	122.6	125.1	123.8	124.5	120.7	122.6	121.3
52.5°	81.5	80.8	79.5	80.2	78.9	78.9	78.9	80.2	77.6	76.4	75.1
55°	49.4	48.1	45.6	44.9	44.9	45.6	44.3	43.0	43.0	42.3	42.3
57.5°	28.9	27.0	25.7	25.1	23.7	23.1	22.4	22.4	21.2	21.2	21.2
60°	16.1	14.1	12.8	11.5	11.5	10.9	10.3	9.6	9.6	9.6	9.0
62.5°	8.4	7.1	5.7	5.2	5.2	4.4	3.8	3.8	3.8	3.8	3.2
65°	5.7	4.4	3.8	3.2	3.2	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	4.4	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°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2
2.5°	681.4	680.8	681.4	682.7	680.2	687.9	684.0	687.9
5°	696.2	696.9	697.5	699.4	696.2	705.9	700.7	706.5
7.5°	715.5	716.1	716.8	718.7	716.8	726.4	720.6	725.7
10°	735.4	736.6	736.6	739.8	737.9	746.9	743.1	749.4
12.5°	754.0	755.3	756.5	758.4	757.2	766.8	763.6	768.7
15°	768.7	771.2	772.0	774.5	773.2	783.5	779.6	784.8
17.5°	775.8	778.3	778.3	781.6	780.3	791.2	786.0	791.9
20°	772.0	773.9	774.5	777.7	776.4	787.3	782.2	789.2
22.5°	759.7	760.3	761.1	764.2	763.6	773.2	768.7	773.2
25°	737.3	739.2	738.5	741.1	741.1	748.8	743.7	747.5
27.5°	705.2	707.1	707.1	710.3	707.8	715.5	710.3	716.1
30°	666.1	668.0	666.7	669.3	666.7	674.3	670.5	672.4
32.5°	619.2	619.2	619.9	620.5	619.2	626.2	622.4	626.2
35°	563.4	564.7	565.3	565.9	564.7	569.7	565.3	567.8
37.5°	500.5	503.8	503.1	503.8	501.7	508.2	504.4	505.7
40°	433.1	433.1	432.5	433.7	431.8	437.0	434.4	435.6
42.5°	354.8	356.7	354.2	357.4	352.3	359.3	356.7	354.8
45°	266.3	263.8	263.0	263.8	261.8	262.4	264.4	263.0
47.5°	181.6	181.6	180.3	178.4	181.0	181.6	179.1	179.1
50°	121.9	121.9	120.7	119.9	121.3	120.7	119.4	121.3
52.5°	77.6	75.1	75.1	76.4	75.1	73.8	75.7	74.5
55°	42.3	41.0	41.0	42.3	41.0	41.0	40.4	41.7
57.5°	20.5	21.2	20.5	20.5	20.5	20.5	19.9	20.5
60°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
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)