

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: P844009

Luminaire Tested: **LD6C10DE010B50 EU6C10B50 6LBSWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844009
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: LD6C10DE010B50 EU6C10B50 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

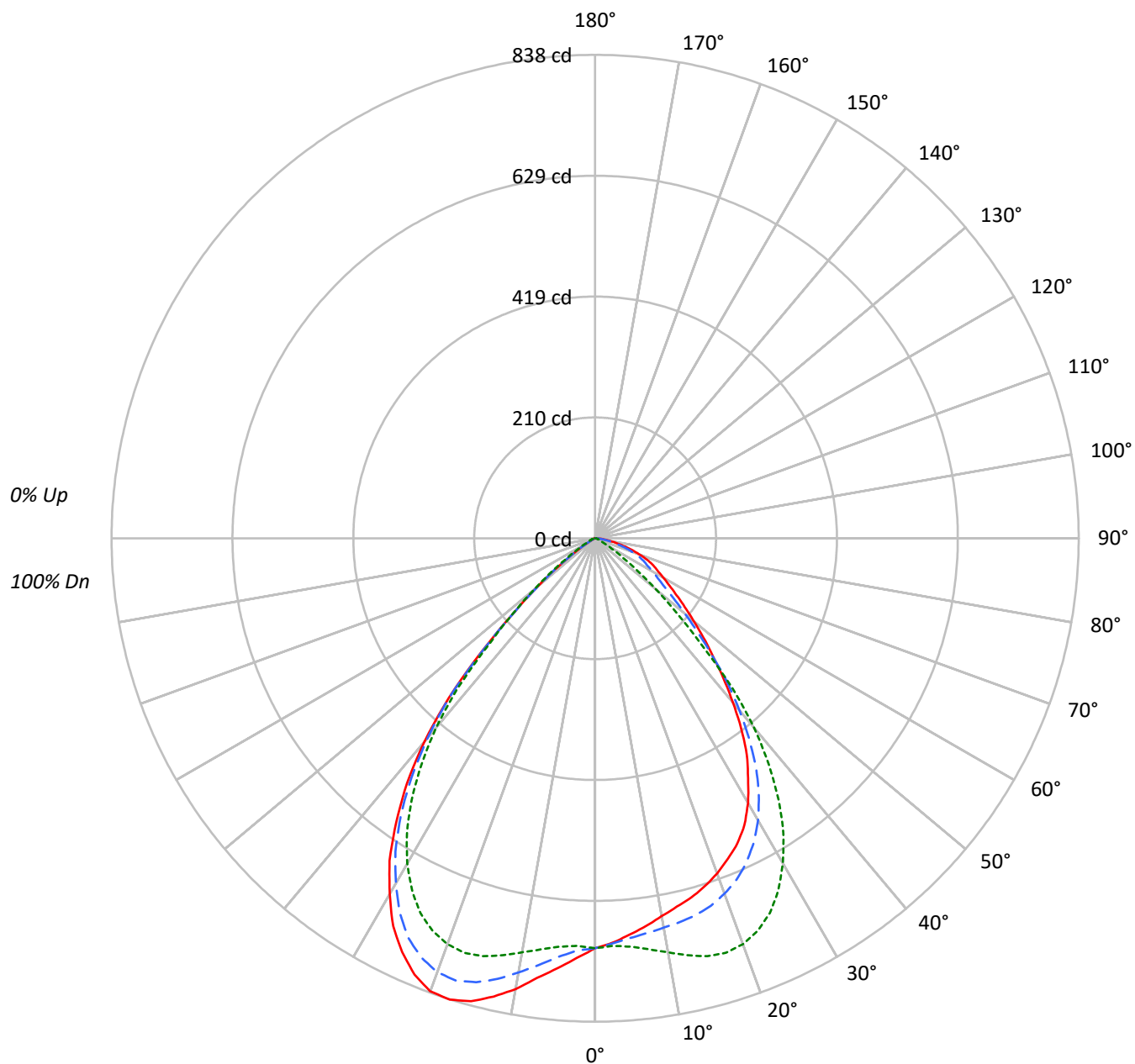
Lumens per Lamp: N/A
Luminaire Lumens: 1298.8 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	112	108	105	103	109	106	103	101		102	100	98			98	96	95			95
2	105	98	93	89	102	97	92	88		93	89	86			90	87	84			87
3	98	89	83	78	95	88	82	78		85	80	76			83	78	75			80
4	91	82	75	69	89	80	74	69		78	72	68			76	71	67			74
5	85	75	67	62	83	74	67	62		72	66	61			70	65	61			68
6	80	69	61	56	78	68	61	56		66	60	55			64	59	55			63
7	74	63	56	51	73	62	55	50		61	55	50			60	54	50			58
8	70	58	51	46	69	58	51	46		57	50	46			55	50	46			54
9	66	54	47	42	64	54	47	42		53	46	42			52	46	42			51
10	62	50	43	39	61	50	43	39		49	43	39			48	43	39			47

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	38950	38950	38950
5°	37943	39099	41157
10°	37018	40569	44165
15°	36584	42566	47151
20°	36065	43672	48742
25°	35294	43351	47864
30°	33543	41196	45064
35°	30684	37136	40234
40°	26543	30679	33005
45°	22382	20118	21591
50°	19002	11641	10951
55°	16487	5582	4215
60°	14889	2609	1042
65°	14450	1492	350
70°	12951	1202	321
75°	10633	868	148
80°	7956	442	0
85°	6856	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	5.3
10°-20°	209.2	16.1
20°-30°	319.6	24.6
30°-40°	334.3	25.7
40°-50°	216.8	16.7
50°-60°	86.1	6.6
60°-70°	40.8	3.1
70°-80°	19.4	1.5
80°-90°	4.0	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°	597.4	46.0
0°-40°	931.6	71.7
0°-60°	1234.6	95.1
0°-90°	1298.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1298.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	710	710	710	710	710	
5°	690	696	710	728	748	65
15°	645	676	750	797	831	182
25°	584	620	717	765	791	267
35°	458	486	555	588	601	284
45°	289	286	260	275	278	225
55°	172	147	58	46	44	156
65°	111	92	12	3	3	109
75°	50	41	4	1	1	54
85°	11	7	0	0	0	13
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°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5
2.5°	701.7	703.0	695.6	693.6	699.0	701.0	701.7	699.6	700.4	703.0	703.0
5°	689.5	690.8	684.1	682.0	687.5	688.8	690.8	690.2	692.2	696.2	695.6
7.5°	677.9	680.0	672.4	669.8	676.6	680.0	681.3	681.3	684.1	689.5	690.2
10°	665.0	667.8	660.9	659.5	667.0	670.4	671.2	672.4	676.6	684.1	685.3
12.5°	654.1	656.9	652.1	650.1	658.3	661.7	662.9	665.7	670.4	680.0	681.3
15°	644.6	646.6	641.2	639.9	648.0	652.1	652.8	656.9	662.9	673.8	675.9
17.5°	632.4	633.7	629.7	628.3	636.5	640.5	641.2	646.0	653.5	664.3	667.8
20°	618.2	619.6	615.4	614.1	622.2	627.0	627.7	631.7	640.5	652.1	655.5
22.5°	601.2	603.9	599.1	597.8	605.9	610.0	612.1	615.4	624.2	635.8	640.5
25°	583.5	583.5	580.1	579.5	586.9	591.6	591.0	595.8	604.5	616.1	620.2
27.5°	560.4	559.7	556.3	555.7	563.8	567.8	566.5	571.3	579.5	591.0	595.0
30°	529.9	531.2	526.5	525.1	531.9	538.7	538.0	542.8	550.9	561.8	564.5
32.5°	493.2	494.5	493.8	491.8	497.9	501.3	503.3	506.7	513.6	525.1	527.8
35°	458.5	456.5	453.7	453.7	459.9	465.4	463.2	467.4	474.1	485.7	486.4
37.5°	415.8	415.0	413.6	412.4	419.1	420.5	421.1	423.9	430.0	439.4	438.2
40°	370.9	371.5	370.9	368.2	372.3	377.7	377.0	378.4	383.8	390.6	388.6
42.5°	328.8	328.8	328.8	326.1	330.8	333.6	334.8	334.2	335.6	341.7	339.0
45°	288.7	289.4	288.7	288.0	288.7	290.1	288.7	288.0	288.0	290.1	286.0
47.5°	254.0	254.0	252.0	250.0	252.0	252.7	250.7	248.6	247.9	247.3	240.5
50°	222.8	222.1	221.5	218.1	220.1	220.7	218.1	216.7	214.0	210.6	202.4
52.5°	195.7	194.9	194.3	190.9	192.3	192.9	190.2	187.5	184.0	181.4	171.2
55°	172.5	171.9	171.9	169.9	168.5	169.9	167.1	165.1	160.3	157.0	146.7
57.5°	152.8	152.8	151.5	149.4	150.1	150.1	147.4	144.7	140.6	136.5	128.4
60°	135.8	135.8	135.8	133.8	133.8	133.8	132.4	129.8	126.4	122.3	114.1
62.5°	122.3	122.3	121.6	119.5	120.3	120.3	118.9	116.1	112.7	110.0	101.9
65°	111.4	111.4	111.4	109.4	109.4	110.0	108.7	106.0	103.2	99.8	92.3
67.5°	97.8	97.2	97.2	95.7	96.5	97.2	95.7	93.7	90.3	88.3	81.5
70°	80.8	81.5	82.2	80.2	80.8	80.8	80.2	78.2	76.0	74.0	67.9
72.5°	65.9	65.9	65.3	64.5	64.5	65.3	63.9	61.8	60.5	59.1	54.4
75°	50.2	49.6	50.2	49.0	49.0	49.0	47.5	46.9	46.2	44.1	40.7
77.5°	36.7	36.0	36.0	34.7	35.3	35.3	34.7	33.3	31.9	31.2	28.6
80°	25.2	25.2	25.2	24.4	24.4	23.8	23.8	23.1	21.7	21.0	19.7
82.5°	17.0	17.0	17.0	16.3	16.3	16.3	15.7	14.9	14.3	13.5	12.3
85°	10.9	10.9	10.9	10.2	10.2	10.2	9.5	9.5	8.9	8.1	6.8
87.5°	6.1	6.1	6.1	5.4	5.4	5.4	5.4	5.4	4.8	4.1	3.4
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5
2.5°	707.8	698.4	704.4	704.4	702.4	707.8	711.3	713.9	713.3	707.1	706.5
5°	702.4	694.2	701.0	701.7	699.6	707.1	711.9	715.3	716.0	710.5	711.3
7.5°	698.4	691.5	700.4	703.0	702.4	709.1	714.6	720.0	722.8	718.7	719.4
10°	696.2	690.8	700.4	704.4	705.1	712.5	720.7	728.2	731.6	728.8	730.9
12.5°	693.6	690.2	701.0	707.1	709.9	717.3	727.5	736.3	741.8	740.4	744.5
15°	690.8	688.1	701.0	709.9	713.3	720.0	731.6	744.5	750.6	750.0	755.4
17.5°	684.1	683.3	697.0	706.5	711.3	719.4	730.2	745.8	752.0	753.4	760.1
20°	673.2	673.2	688.1	698.4	703.7	711.3	724.8	739.7	747.2	748.6	756.1
22.5°	658.3	659.5	673.8	684.1	692.2	697.6	711.9	727.5	734.3	736.3	744.5
25°	638.5	639.9	653.5	663.7	672.4	678.6	692.2	706.5	714.6	716.7	722.8
27.5°	612.7	615.4	628.3	638.5	646.0	650.1	664.3	679.3	685.3	687.5	693.6
30°	582.9	583.5	596.4	605.3	612.7	616.1	628.3	644.0	648.8	650.8	659.5
32.5°	546.2	545.5	557.7	565.8	572.0	576.0	588.9	599.1	603.9	607.3	612.1
35°	502.0	501.3	510.1	519.6	524.4	525.7	538.7	549.5	552.3	554.9	561.1
37.5°	452.5	452.5	459.9	464.6	470.0	472.1	478.3	490.4	495.2	494.5	499.3
40°	400.1	397.4	402.9	407.6	408.9	409.6	415.8	425.3	428.7	428.7	432.0
42.5°	345.1	341.0	341.7	344.4	345.7	341.0	345.1	351.1	349.1	351.9	352.5
45°	286.6	280.5	277.8	271.7	273.1	268.3	265.6	266.9	266.3	259.5	260.8
47.5°	239.1	228.2	223.5	214.7	212.6	207.2	203.8	197.7	192.3	192.3	188.8
50°	199.0	188.2	178.6	168.5	165.1	160.3	152.8	144.7	140.6	136.5	133.2
52.5°	167.1	155.6	143.9	133.2	128.4	122.3	112.1	104.0	96.5	92.3	88.3
55°	141.3	128.4	116.1	104.6	98.5	92.3	82.2	72.7	63.9	58.4	55.0
57.5°	121.6	109.4	96.5	84.2	78.8	72.0	61.1	51.0	42.8	36.7	33.3
60°	107.3	95.1	83.6	70.6	65.3	58.4	46.9	37.3	29.2	23.8	19.7
62.5°	95.1	84.2	72.0	60.5	55.0	48.2	37.3	27.8	20.4	14.9	11.5
65°	86.3	75.4	65.3	53.6	49.0	42.1	31.9	23.1	16.3	11.5	8.1
67.5°	76.0	66.5	56.4	46.9	42.1	36.7	27.2	19.7	13.5	9.5	6.8
70°	63.9	56.4	47.5	38.7	35.3	30.6	22.4	16.3	10.9	7.5	5.4
72.5°	51.0	44.8	38.1	31.2	28.6	23.8	18.3	12.9	8.1	5.4	4.1
75°	38.7	34.0	28.6	23.8	21.0	18.3	13.5	9.5	6.1	4.1	2.7
77.5°	26.5	24.4	20.4	16.3	14.9	12.9	8.9	6.1	4.1	2.7	1.4
80°	18.3	16.3	13.5	10.9	9.5	8.1	5.4	4.1	2.0	1.4	0.7
82.5°	11.5	9.5	8.1	6.8	6.1	4.8	3.4	2.0	1.4	0.7	0.7
85°	6.1	5.4	4.8	3.4	3.4	2.7	2.0	1.4	0.7	0.0	0.0
87.5°	3.4	2.7	2.0	1.4	1.4	0.7	0.7	0.7	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°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5
2.5°	714.6	714.6	713.9	722.0	712.5	722.0	717.3	722.0	715.3	714.6	715.3
5°	720.0	722.0	722.8	730.2	721.4	732.9	728.8	732.9	728.2	729.6	731.6
7.5°	730.9	734.3	733.7	743.1	734.3	747.2	744.5	750.6	745.8	747.2	750.0
10°	743.1	747.2	747.9	757.4	749.2	764.9	761.5	768.3	764.2	766.3	769.6
12.5°	757.4	762.1	762.9	773.7	764.9	781.2	779.2	785.9	782.5	784.6	788.7
15°	768.3	775.0	776.4	787.3	777.8	794.8	793.4	802.2	796.8	800.2	803.6
17.5°	773.7	779.8	782.5	792.7	784.6	801.6	800.2	807.7	803.6	807.0	811.1
20°	770.3	777.8	779.8	790.1	781.9	798.8	796.8	804.3	800.2	803.0	807.0
22.5°	758.1	765.5	768.3	777.8	770.3	785.9	785.3	792.1	786.7	790.1	793.4
25°	736.3	744.5	745.8	754.7	746.6	762.9	761.5	768.9	764.9	766.9	771.6
27.5°	705.1	714.6	716.7	724.2	718.0	731.6	731.6	737.7	732.9	732.9	737.7
30°	667.8	677.2	678.6	684.7	679.3	691.5	692.2	698.4	690.8	694.9	695.6
32.5°	622.2	628.3	632.4	637.9	629.7	645.4	643.3	648.0	644.0	644.0	647.4
35°	567.2	574.7	576.7	583.5	576.7	588.9	588.9	591.6	587.6	587.6	593.0
37.5°	507.5	512.8	513.6	520.4	514.9	525.1	524.4	526.5	522.4	525.1	525.1
40°	437.4	441.6	442.9	446.3	445.6	453.1	452.5	453.7	451.7	452.5	453.7
42.5°	356.0	361.4	364.1	366.8	362.8	372.9	370.9	372.9	372.3	372.9	374.9
45°	262.2	266.3	268.3	269.0	267.7	273.7	278.5	274.5	275.1	273.7	276.5
47.5°	189.5	190.2	188.8	192.9	189.5	192.3	193.7	194.3	190.2	189.5	192.3
50°	129.8	133.2	128.4	130.4	129.8	132.4	131.1	131.8	127.7	129.8	128.4
52.5°	86.3	85.6	84.2	84.9	83.6	83.6	83.6	84.9	82.2	80.8	79.4
55°	52.4	51.0	48.2	47.5	47.5	48.2	46.9	45.5	45.5	44.8	44.8
57.5°	30.6	28.6	27.2	26.5	25.2	24.4	23.8	23.8	22.4	22.4	22.4
60°	17.0	14.9	13.5	12.3	12.3	11.5	10.9	10.2	10.2	10.2	9.5
62.5°	8.9	7.5	6.1	5.4	5.4	4.8	4.1	4.1	4.1	4.1	3.4
65°	6.1	4.8	4.1	3.4	3.4	2.7	2.7	2.7	2.7	2.7	2.7
67.5°	4.8	4.1	3.4	2.7	2.7	2.7	2.0	2.0	2.0	2.0	2.0
70°	4.1	2.7	2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.7	2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
80°	0.7	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°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5
2.5°	721.4	720.7	721.4	722.8	720.0	728.2	724.2	728.2
5°	737.1	737.7	738.4	740.4	737.1	747.2	741.8	747.9
7.5°	757.4	758.1	758.7	760.8	758.7	768.9	762.9	768.3
10°	778.5	779.8	779.8	783.2	781.2	790.7	786.7	793.4
12.5°	798.2	799.5	800.8	803.0	801.6	811.7	808.3	813.7
15°	813.7	816.5	817.1	819.9	818.5	829.4	825.3	830.8
17.5°	821.3	824.0	824.0	827.4	826.0	837.5	832.1	838.3
20°	817.1	819.2	819.9	823.3	821.9	833.5	828.0	835.5
22.5°	804.3	805.0	805.6	809.0	808.3	818.5	813.7	818.5
25°	780.5	782.5	781.9	784.6	784.6	792.7	787.3	791.3
27.5°	746.6	748.6	748.6	752.0	749.2	757.4	752.0	758.1
30°	705.1	707.1	705.8	708.5	705.8	713.9	709.9	711.9
32.5°	655.5	655.5	656.2	656.9	655.5	662.9	658.9	662.9
35°	596.4	597.8	598.4	599.1	597.8	603.2	598.4	601.2
37.5°	529.9	533.3	532.5	533.3	531.2	538.0	533.9	535.3
40°	458.5	458.5	457.8	459.2	457.1	462.6	459.9	461.2
42.5°	375.7	377.7	374.9	378.4	372.9	380.4	377.7	375.7
45°	282.0	279.2	278.5	279.2	277.1	277.8	279.8	278.5
47.5°	192.3	192.3	190.9	188.8	191.5	192.3	189.5	189.5
50°	129.0	129.0	127.7	127.0	128.4	127.7	126.4	128.4
52.5°	82.2	79.4	79.4	80.8	79.4	78.2	80.2	78.8
55°	44.8	43.5	43.5	44.8	43.5	43.5	42.8	44.1
57.5°	21.7	22.4	21.7	21.7	21.7	21.7	21.0	21.7
60°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
62.5°	4.1	4.1	3.4	3.4	3.4	3.4	3.4	3.4
65°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
67.5°	2.0	2.0	2.0	2.0	2.0	2.7	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.7	2.7	2.7	2.7	2.7	2.7
75°	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7
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)