

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: P857438

Luminaire Tested: **LX4C25D010 EX4C259827 4LBLWW***

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-1)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C25D010 EX4C259827 4LBLWW*
Description:
Light Source: -
Ballast/Driver: -

Summary

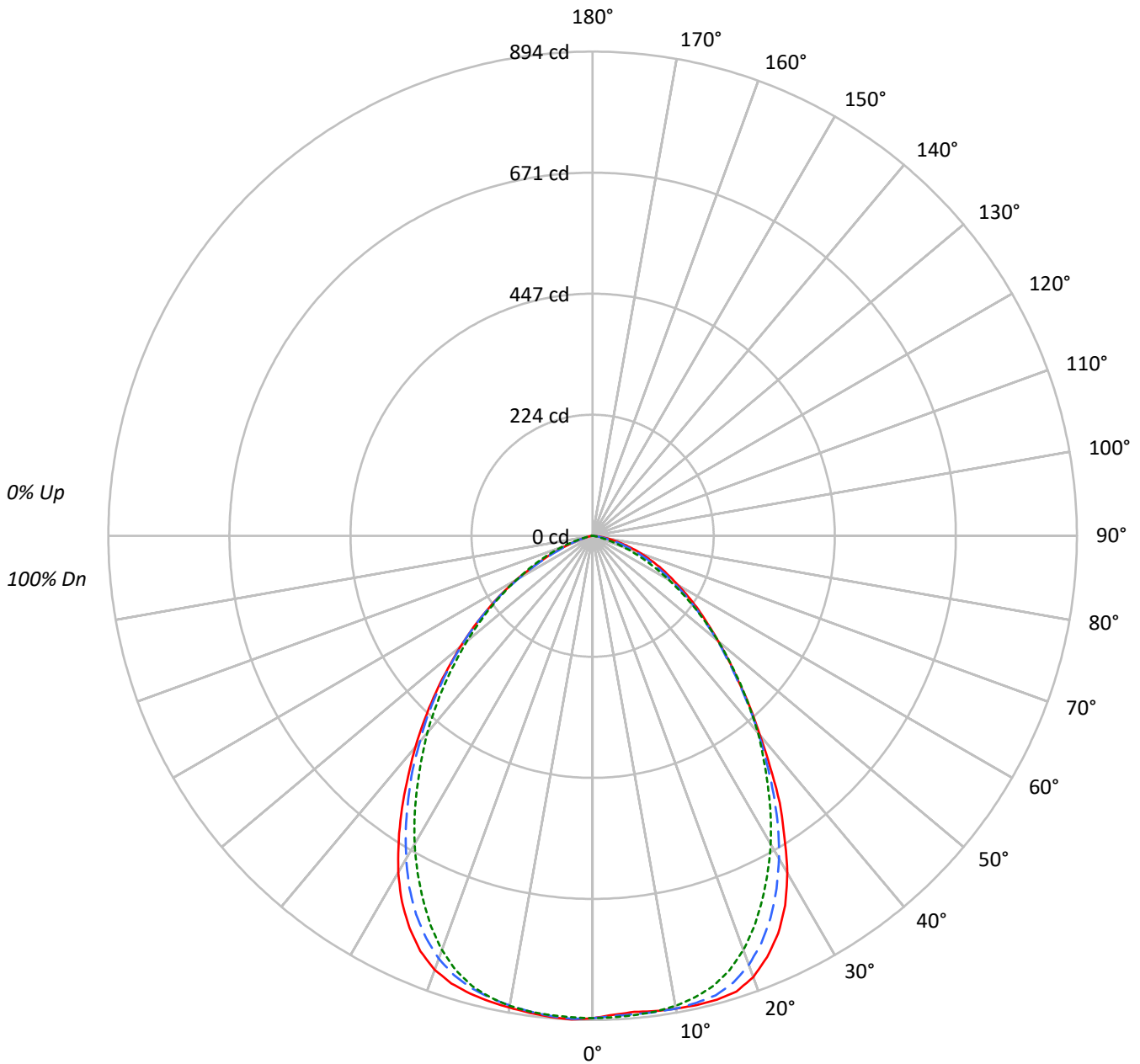
Lumens per Lamp: N/A
Luminaire Lumens: 1707.7 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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	89	85	91	87	83	88	84	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68																			
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54																			
6	76	65	57	51	75	64	56	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	51	46	70	59	51	46	57	50	46	56	50	45	54	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	50	45	41	39																			
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36																			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	35	44	38	34	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	109438	109438	109438
5°	108820	109560	109967
10°	110615	109953	110365
15°	112777	109457	111289
20°	113350	106395	111467
25°	109853	100472	108362
30°	101968	93230	101784
35°	90301	84572	91996
40°	76979	76162	81582
45°	66143	66890	71060
50°	57720	57854	60931
55°	51020	48856	50506
60°	44694	39854	39706
65°	39593	30930	27529
70°	33765	21265	16344
75°	27293	11440	7452
80°	18678	2830	1910
85°	5638	987	987



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	5.0
10°-20°	245.1	14.4
20°-30°	354.1	20.7
30°-40°	366.1	21.4
40°-50°	302.5	17.7
50°-60°	208.7	12.2
60°-70°	109.3	6.4
70°-80°	34.4	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°	683.8	40.0
0°-40°	1049.9	61.5
0°-60°	1561.1	91.4
0°-90°	1707.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1707.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	891	891	891	891	891	
5°	882	887	888	890	892	84
15°	887	878	861	865	875	250
25°	810	778	741	771	799	370
35°	602	582	564	593	613	374
45°	381	379	385	403	409	297
55°	238	231	228	234	236	214
65°	136	123	106	88	95	135
75°	58	45	24	16	16	62
85°	4	2	1	1	1	8
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°	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8
2.5°	885.1	885.4	885.4	886.0	886.0	886.0	886.4	886.4	886.7	887.0	887.4
5°	882.4	882.4	883.0	883.4	884.1	884.3	885.1	885.4	886.0	886.4	886.7
7.5°	885.1	885.1	885.4	885.7	885.7	886.0	886.0	886.4	886.7	887.0	887.0
10°	886.7	886.7	886.7	886.7	887.0	887.0	887.0	886.7	886.7	886.7	886.4
12.5°	887.4	887.4	887.0	886.7	887.0	886.7	886.7	885.7	885.1	884.3	883.4
15°	886.7	886.7	886.4	886.0	885.7	885.1	884.7	883.0	881.7	879.7	878.4
17.5°	882.4	881.7	881.0	880.3	879.0	878.0	877.4	874.4	872.0	868.6	865.0
20°	867.0	866.3	865.3	863.7	862.0	860.6	858.7	854.3	852.0	846.9	843.2
22.5°	841.9	841.2	841.5	838.5	835.2	833.2	831.8	828.2	824.1	817.8	813.8
25°	810.4	808.5	808.5	803.7	802.1	800.8	799.1	794.7	788.7	783.0	777.7
27.5°	769.7	767.0	765.6	764.9	760.9	758.0	755.6	752.3	747.2	742.2	734.9
30°	718.8	718.5	716.8	713.8	710.8	709.5	706.8	701.1	696.4	692.7	688.1
32.5°	658.9	658.6	658.6	658.6	656.6	656.2	652.2	649.2	645.5	639.8	636.9
35°	602.1	601.7	602.1	597.0	595.7	594.7	594.3	592.4	587.4	584.7	582.0
37.5°	537.8	538.9	538.2	536.8	538.5	535.5	537.8	533.5	531.5	530.9	527.8
40°	480.0	482.7	480.0	480.3	482.0	479.0	479.0	478.3	477.0	476.3	475.7
42.5°	430.4	427.1	429.1	427.5	429.1	428.1	426.4	427.5	427.8	426.4	426.2
45°	380.7	381.3	382.0	381.0	381.0	380.0	382.6	381.0	381.0	381.3	379.0
47.5°	340.2	339.1	339.8	339.1	339.5	338.9	339.5	339.8	339.1	339.1	337.2
50°	302.0	301.4	303.7	301.7	301.7	301.4	301.7	301.1	300.1	300.1	300.7
52.5°	268.9	267.6	267.3	268.9	266.5	266.5	266.9	266.3	264.9	264.2	262.5
55°	238.2	237.8	238.2	236.8	236.1	236.1	234.4	233.8	233.5	231.8	230.8
57.5°	209.4	208.4	208.8	208.4	207.1	206.7	205.4	205.4	204.0	202.7	201.0
60°	181.9	181.9	183.0	181.6	180.6	180.0	179.2	178.6	176.3	173.9	171.9
62.5°	157.6	157.8	157.6	156.5	155.9	155.2	154.5	152.5	150.5	149.2	146.9
65°	136.2	135.8	134.8	134.1	132.4	132.4	131.1	130.1	127.8	125.7	123.4
67.5°	114.1	113.4	113.4	113.4	111.4	111.0	110.4	108.3	106.4	103.7	101.7
70°	94.0	94.7	93.6	92.7	91.7	91.3	90.3	88.3	86.0	83.3	81.6
72.5°	74.9	75.6	74.5	74.3	72.2	71.6	71.3	69.6	66.9	65.2	62.5
75°	57.5	57.9	57.2	56.5	55.2	54.8	53.1	51.8	50.2	47.5	45.1
77.5°	41.5	40.8	40.8	39.5	38.2	38.2	37.8	35.8	33.4	31.5	29.4
80°	26.4	26.1	25.1	24.4	23.5	23.1	22.7	21.0	19.4	18.1	16.8
82.5°	13.4	13.0	12.8	12.4	11.7	11.1	11.4	10.1	9.4	8.0	7.0
85°	4.0	4.4	4.4	4.0	3.7	3.7	3.7	3.4	2.7	2.3	2.1
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8
2.5°	887.7	888.1	888.4	888.7	888.7	889.1	889.4	889.7	890.0	890.0	890.4
5°	887.0	887.7	887.7	888.1	888.1	888.1	888.4	888.4	888.4	888.4	888.7
7.5°	887.4	887.4	887.4	887.0	887.0	886.7	886.7	886.7	886.0	886.0	886.0
10°	885.7	885.4	885.1	884.3	884.1	883.7	883.0	882.4	881.7	881.4	880.7
12.5°	882.4	881.0	879.7	878.4	877.7	877.4	876.0	875.0	874.0	873.0	872.3
15°	875.7	873.6	871.3	868.6	868.0	867.3	865.0	862.9	861.6	860.6	858.9
17.5°	862.3	858.3	855.6	851.6	849.9	849.3	845.5	843.6	841.2	840.6	839.2
20°	838.5	834.8	829.9	826.2	824.1	822.2	819.2	816.5	813.8	813.8	812.1
22.5°	808.8	804.1	797.8	793.0	792.8	788.7	786.1	783.0	782.1	780.0	780.0
25°	771.4	767.3	760.3	756.3	754.2	753.3	748.9	744.9	742.9	741.2	742.6
27.5°	729.8	723.8	718.5	713.5	711.8	709.7	705.7	704.1	700.4	700.1	699.7
30°	682.4	676.3	670.9	668.6	665.3	663.6	660.6	658.6	657.2	657.2	656.6
32.5°	632.5	627.2	624.5	619.5	617.8	615.5	613.4	611.5	612.1	611.5	611.7
35°	578.7	577.3	572.3	569.3	569.3	568.9	565.6	564.3	563.6	563.9	565.6
37.5°	527.5	523.5	520.2	518.1	519.8	517.7	517.5	517.5	519.4	518.1	520.8
40°	473.0	472.6	471.3	472.0	472.3	469.9	470.6	470.9	472.3	474.9	475.3
42.5°	425.5	425.1	425.1	425.1	424.5	423.1	424.5	426.8	426.4	428.5	430.2
45°	379.6	379.0	380.3	379.3	381.3	382.0	381.0	381.7	383.6	385.0	387.6
47.5°	337.8	337.8	338.1	338.9	336.8	338.5	339.1	340.5	341.5	342.2	343.5
50°	299.0	299.0	298.4	298.4	298.4	299.4	298.0	299.7	300.1	302.7	304.4
52.5°	263.2	261.5	262.5	261.9	260.6	259.9	260.6	260.9	262.9	263.6	265.6
55°	229.1	229.1	226.4	225.8	226.8	226.4	226.1	226.1	227.1	228.1	229.8
57.5°	199.0	197.0	195.0	194.7	193.7	194.0	194.0	193.7	193.0	193.3	193.7
60°	170.6	169.3	166.2	166.2	165.9	165.6	163.9	163.5	161.9	162.2	160.9
62.5°	144.5	143.8	139.8	138.5	138.5	137.5	135.8	135.5	133.1	133.1	131.8
65°	121.1	119.0	116.7	114.4	114.4	113.1	112.1	109.1	107.4	106.4	104.3
67.5°	99.7	96.7	94.3	92.3	91.0	90.6	88.3	86.3	83.6	82.0	78.9
70°	78.9	76.6	74.3	72.2	70.9	69.6	67.2	64.2	62.2	59.2	57.2
72.5°	59.6	57.5	55.6	52.9	51.2	50.2	47.8	45.1	41.8	39.8	37.1
75°	42.8	40.5	37.8	35.5	34.4	33.4	30.8	28.8	26.4	24.1	21.4
77.5°	27.7	25.1	23.1	20.4	20.1	19.4	16.8	14.7	13.0	11.7	10.1
80°	14.7	13.4	11.7	10.1	9.4	8.4	7.0	6.1	5.0	4.0	3.4
82.5°	6.3	5.4	4.4	3.7	3.4	3.0	2.3	2.1	1.7	1.7	1.3
85°	1.7	1.3	1.3	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.0	0.4	0.4	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°	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8
2.5°	890.8	891.0	891.4	891.4	891.7	892.1	892.1	892.4	892.7	893.1	893.1
5°	889.1	889.1	889.1	889.4	889.4	889.4	889.4	890.0	890.0	890.4	890.8
7.5°	885.7	885.7	885.7	885.7	885.4	885.7	885.4	885.4	886.0	886.4	886.7
10°	880.3	880.1	880.1	879.7	879.7	879.7	880.1	880.3	880.7	881.0	882.0
12.5°	872.0	871.7	871.7	871.3	871.3	871.7	872.0	872.7	874.0	874.7	876.0
15°	858.7	858.3	858.7	858.9	859.6	860.6	861.6	862.7	864.6	866.3	868.0
17.5°	839.2	839.6	839.8	840.6	841.5	842.9	845.5	848.2	850.6	853.3	856.0
20°	812.5	813.8	814.2	816.5	817.1	820.1	823.2	827.2	830.8	834.2	837.9
22.5°	780.4	781.3	782.7	785.4	787.1	791.1	794.7	799.4	803.5	807.7	813.1
25°	743.9	744.2	748.3	748.3	752.3	755.6	759.9	764.9	771.0	776.7	780.4
27.5°	702.4	704.1	707.1	708.4	711.4	716.8	720.4	726.5	732.5	737.6	741.6
30°	658.9	660.2	665.3	666.0	668.3	673.0	678.0	683.7	688.3	694.0	697.7
32.5°	613.1	616.8	619.8	622.2	622.8	629.8	632.5	636.5	641.9	647.6	651.2
35°	568.7	570.3	574.6	576.0	578.0	582.0	587.4	590.7	593.4	597.0	601.4
37.5°	521.5	526.5	527.5	531.5	532.2	535.8	538.5	542.5	545.8	549.2	549.8
40°	477.6	479.3	483.0	484.0	484.7	489.7	493.0	494.0	495.7	498.8	502.8
42.5°	433.1	434.8	438.8	437.8	440.9	443.2	444.9	448.9	450.5	451.6	451.6
45°	389.3	390.0	392.7	394.1	395.7	397.0	400.0	402.1	402.7	405.7	406.7
47.5°	347.5	348.2	350.2	352.5	351.9	353.6	356.9	357.9	358.2	360.3	361.2
50°	306.4	308.1	310.8	310.1	312.1	313.1	316.1	316.7	316.7	317.1	317.5
52.5°	267.9	269.2	269.9	270.6	271.6	273.2	274.6	273.9	275.3	276.6	275.6
55°	229.8	230.8	232.5	233.1	233.1	233.5	232.8	235.8	234.4	234.2	234.4
57.5°	195.0	193.7	193.3	195.0	195.6	195.4	194.3	195.6	195.6	195.0	194.0
60°	161.2	160.2	159.9	160.2	158.9	157.8	158.6	157.8	156.2	155.5	155.9
62.5°	130.5	129.5	126.8	126.8	126.1	125.7	123.1	123.4	122.1	120.1	120.7
65°	102.0	99.3	98.0	97.6	95.3	93.3	92.7	90.3	88.3	87.9	88.3
67.5°	76.6	73.6	71.3	70.3	68.9	67.2	64.9	62.9	63.6	63.2	64.6
70°	53.1	51.2	48.9	47.2	47.8	45.8	44.5	44.5	44.9	45.1	45.8
72.5°	35.5	32.8	31.7	30.8	30.1	28.8	29.4	29.4	29.1	29.4	28.8
75°	20.1	18.7	17.7	17.4	16.8	16.8	16.8	16.8	16.4	16.1	16.1
77.5°	9.0	8.4	8.0	7.7	7.7	7.7	7.4	7.0	7.0	7.0	6.7
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	1.3	1.3	1.7	1.7	1.7	1.3	1.7	1.7	1.3	1.3	1.7
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.0	0.4	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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CATALOG NUMBER: LX4C25D010 EX4C259827 4LBLWW*

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	890.8	890.8	890.8	890.8	890.8	890.8	890.8	890.8
2.5°	893.4	893.7	893.7	893.7	894.1	894.1	894.1	894.1
5°	891.0	891.4	891.4	891.4	891.7	891.7	891.7	891.7
7.5°	887.0	887.4	887.4	887.7	887.7	888.1	888.1	888.4
10°	882.4	883.0	883.4	883.7	884.1	884.3	884.3	884.7
12.5°	877.4	878.0	878.4	879.0	879.7	880.1	880.3	880.7
15°	870.0	871.3	872.0	872.3	873.6	874.4	874.7	875.0
17.5°	858.3	861.0	862.0	862.7	864.0	865.3	866.3	866.7
20°	841.5	844.6	845.9	847.6	849.6	851.3	852.0	852.6
22.5°	818.2	821.5	823.5	825.5	827.2	828.9	831.5	830.5
25°	784.7	790.4	792.8	793.7	797.4	799.4	800.8	799.4
27.5°	747.2	750.6	752.5	754.9	757.6	759.6	760.3	762.3
30°	702.1	707.8	707.4	709.7	713.1	715.1	715.8	717.5
32.5°	655.3	657.9	659.9	659.6	661.0	664.6	663.3	666.3
35°	605.4	605.8	609.1	608.8	611.5	611.5	611.5	613.4
37.5°	552.3	556.3	554.6	558.6	557.2	558.2	558.2	558.9
40°	503.7	505.1	505.1	506.4	507.4	506.4	507.0	508.7
42.5°	453.5	454.9	455.2	454.5	455.6	458.5	456.2	458.3
45°	406.7	407.7	409.0	408.1	409.8	408.8	409.8	409.0
47.5°	362.6	362.2	361.9	364.5	362.2	362.6	363.9	361.6
50°	317.5	319.4	318.1	319.1	319.8	319.8	318.8	318.8
52.5°	277.2	277.0	275.9	277.0	276.3	276.6	277.2	276.6
55°	235.8	237.1	236.5	236.1	236.5	236.5	238.5	235.8
57.5°	195.0	194.3	195.4	197.7	195.4	197.0	198.1	198.3
60°	156.2	156.2	158.2	157.2	159.2	160.9	162.2	161.6
62.5°	119.0	120.7	121.5	121.7	123.8	125.1	125.1	124.8
65°	88.3	90.6	90.6	91.9	92.7	92.7	93.3	94.7
67.5°	65.2	65.2	65.5	66.3	65.9	65.9	66.5	66.9
70°	45.5	44.9	45.8	45.5	45.5	45.1	45.5	45.5
72.5°	28.8	28.8	29.1	28.8	28.1	28.4	28.4	29.1
75°	15.4	16.1	15.4	15.4	15.7	15.1	15.4	15.7
77.5°	6.3	6.3	6.3	6.3	6.3	6.1	6.1	6.1
80°	3.0	3.0	3.0	3.0	3.0	3.0	2.7	2.7
82.5°	1.3	1.7	1.3	1.7	1.3	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.4
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)