

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: P857464

Luminaire Tested: **LX4C25D010 EX4C259835 4LBLWW***

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857464
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 EX4C259835 4LBLWW*
Description:
Light Source: -
Ballast/Driver: -

Summary

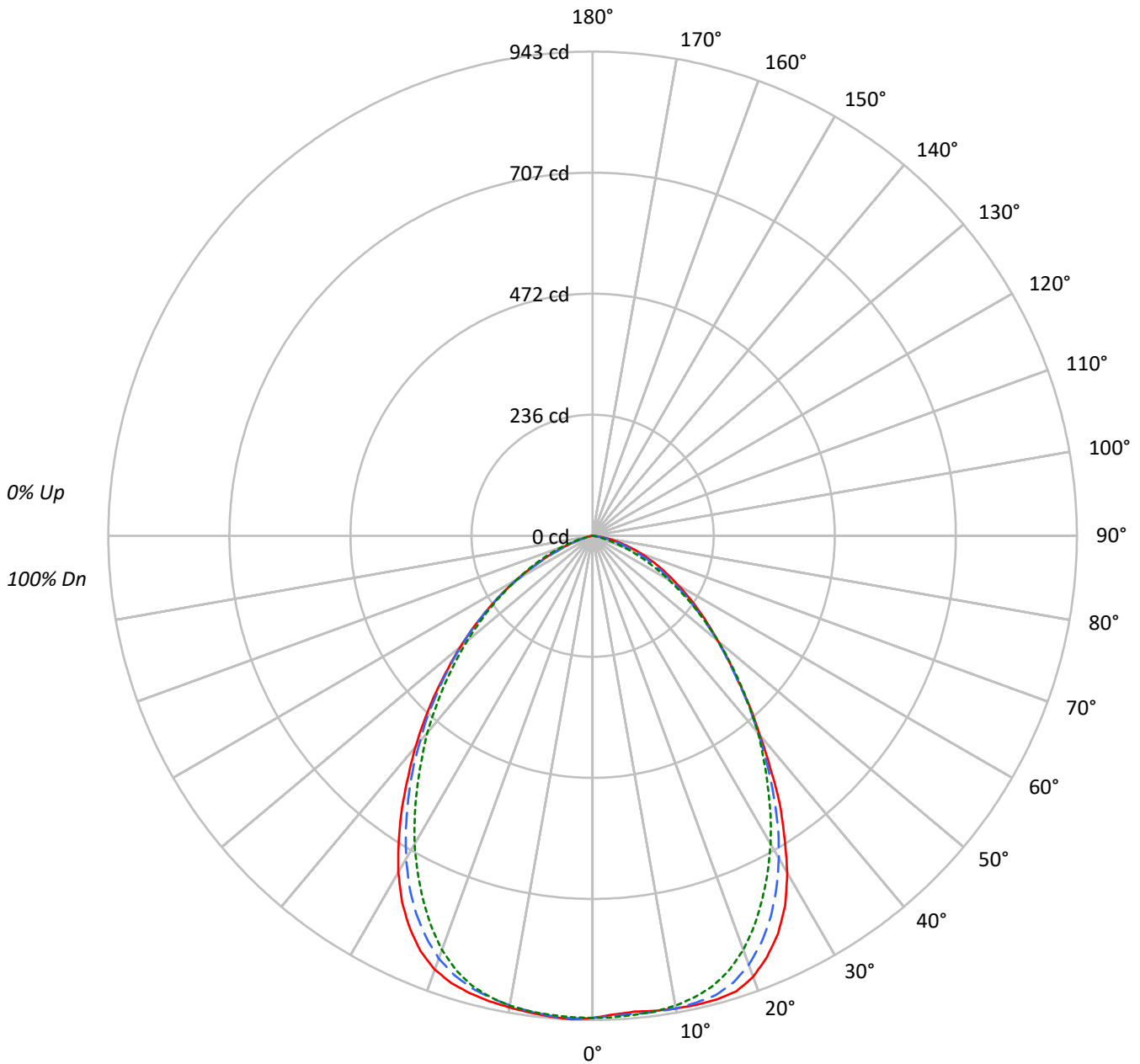
Lumens per Lamp: N/A
Luminaire Lumens: 1800.4 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P857464

CATALOG NUMBER: LX4C25D010 EX4C259835 4LBLWW*

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	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°	115372	115372	115372
5°	114727	115504	115948
10°	116628	115916	116366
15°	118907	115397	117330
20°	119494	112173	117520
25°	115831	105922	114245
30°	107501	98308	107316
35°	95190	89161	97005
40°	81165	80315	86025
45°	69722	70521	74917
50°	60855	61007	64237
55°	53783	51512	53247
60°	47127	42016	41844
65°	41744	32616	29011
70°	35597	22414	17242
75°	28765	12057	7880
80°	19668	2971	2052
85°	5920	987	987



TEST NUMBER: P857464

CATALOG NUMBER: LX4C25D010 EX4C259835 4LBLWW*

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	5.0
10°-20°	258.4	14.4
20°-30°	373.3	20.7
30°-40°	385.9	21.4
40°-50°	318.9	17.7
50°-60°	220.1	12.2
60°-70°	115.2	6.4
70°-80°	36.3	2.0
80°-90°	3.1	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°	720.9	40.0
0°-40°	1106.9	61.5
0°-60°	1645.9	91.4
0°-90°	1800.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1800.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	939	939	939	939	939	
5°	930	935	937	938	940	89
15°	935	926	907	912	922	264
25°	854	820	781	813	843	390
35°	635	614	594	626	647	394
45°	401	400	406	425	431	313
55°	251	243	240	247	249	226
65°	144	130	112	93	100	142
75°	61	48	25	17	17	65
85°	4	2	1	1	1	9
90°	0	0	0	0	0	



TEST NUMBER: P857464

CATALOG NUMBER: LX4C25D010 EX4C259835 4LBLWW*

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1
2.5°	933.1	933.5	933.5	934.2	934.2	934.2	934.5	934.5	934.9	935.3	935.6
5°	930.3	930.3	931.0	931.3	932.0	932.4	933.1	933.5	934.2	934.5	934.9
7.5°	933.1	933.1	933.5	933.8	933.8	934.2	934.2	934.5	934.9	935.3	935.3
10°	934.9	934.9	934.9	934.9	935.3	935.3	935.3	934.9	934.9	934.9	934.5
12.5°	935.6	935.6	935.3	934.9	935.3	934.9	934.9	933.8	933.1	932.4	931.3
15°	934.9	934.9	934.5	934.2	933.8	933.1	932.8	931.0	929.6	927.5	926.1
17.5°	930.3	929.6	928.8	928.1	926.8	925.7	925.0	921.8	919.4	915.8	912.0
20°	914.0	913.3	912.3	910.6	908.8	907.3	905.2	900.7	898.2	892.9	889.1
22.5°	887.6	886.9	887.3	884.1	880.6	878.5	877.0	873.2	868.9	862.2	858.0
25°	854.5	852.3	852.3	847.4	845.6	844.2	842.5	837.9	831.5	825.6	819.9
27.5°	811.5	808.6	807.2	806.5	802.3	799.1	796.6	793.1	787.9	782.5	774.7
30°	757.8	757.4	755.8	752.5	749.4	748.0	745.1	739.2	734.2	730.3	725.4
32.5°	694.8	694.4	694.4	694.4	692.3	691.9	687.6	684.5	680.6	674.6	671.5
35°	634.7	634.4	634.7	629.5	628.1	627.0	626.6	624.6	619.2	616.5	613.6
37.5°	567.1	568.1	567.4	566.0	567.8	564.6	567.1	562.5	560.4	559.7	556.4
40°	506.1	508.8	506.1	506.4	508.2	505.0	505.0	504.3	502.9	502.1	501.4
42.5°	453.9	450.3	452.5	450.7	452.5	451.4	449.6	450.7	451.0	449.6	449.3
45°	401.3	402.0	402.7	401.6	401.6	400.6	403.4	401.6	401.6	402.0	399.6
47.5°	358.7	357.6	358.3	357.6	357.9	357.2	357.9	358.3	357.6	357.6	355.4
50°	318.4	317.7	320.2	318.1	318.1	317.7	318.1	317.4	316.3	316.3	317.0
52.5°	283.5	282.1	281.8	283.5	281.1	281.1	281.4	280.7	279.3	278.6	276.8
55°	251.1	250.8	251.1	249.7	249.0	249.0	247.2	246.5	246.1	244.4	243.4
57.5°	220.8	219.7	220.1	219.7	218.3	217.9	216.5	216.5	215.1	213.7	212.0
60°	191.8	191.8	192.9	191.5	190.4	189.8	189.0	188.3	185.8	183.3	181.3
62.5°	166.1	166.5	166.1	165.1	164.3	163.6	162.9	160.8	158.7	157.3	154.8
65°	143.6	143.2	142.1	141.4	139.6	139.6	138.2	137.1	134.7	132.6	130.1
67.5°	120.3	119.6	119.6	119.6	117.4	117.1	116.4	114.2	112.2	109.3	107.2
70°	99.1	99.8	98.7	97.6	96.7	96.3	95.2	93.1	90.6	87.8	86.1
72.5°	79.0	79.7	78.7	78.3	76.2	75.4	75.1	73.4	70.5	68.8	66.0
75°	60.6	61.0	60.3	59.6	58.2	57.9	56.1	54.7	52.9	50.1	47.6
77.5°	43.7	43.0	43.0	41.6	40.2	40.2	39.9	37.7	35.2	33.2	31.0
80°	27.8	27.5	26.5	25.8	24.7	24.3	24.0	22.2	20.4	19.1	17.7
82.5°	14.1	13.7	13.4	13.0	12.3	11.7	11.9	10.6	9.9	8.5	7.4
85°	4.2	4.5	4.5	4.2	3.9	3.9	3.9	3.6	2.9	2.5	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



TEST NUMBER: P857464

CATALOG NUMBER: LX4C25D010 EX4C259835 4LBLWW*

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1
2.5°	935.9	936.2	936.6	937.0	937.0	937.3	937.7	938.0	938.4	938.4	938.7
5°	935.3	935.9	935.9	936.2	936.2	936.2	936.6	936.6	936.6	936.6	937.0
7.5°	935.6	935.6	935.6	935.3	935.3	934.9	934.9	934.9	934.2	934.2	934.2
10°	933.8	933.5	933.1	932.4	932.0	931.7	931.0	930.3	929.6	929.2	928.5
12.5°	930.3	928.8	927.5	926.1	925.4	925.0	923.6	922.5	921.4	920.4	919.7
15°	923.2	921.1	918.7	915.8	915.1	914.4	912.0	909.8	908.4	907.3	905.6
17.5°	909.1	904.9	902.1	897.8	896.1	895.4	891.5	889.3	886.9	886.2	884.8
20°	884.1	880.2	874.9	871.1	868.9	866.8	863.7	860.8	858.0	858.0	856.3
22.5°	852.7	847.8	841.1	836.1	835.7	831.5	828.7	825.6	824.5	822.4	822.4
25°	813.2	809.0	801.6	797.3	795.3	794.2	789.5	785.4	783.2	781.4	782.9
27.5°	769.5	763.2	757.4	752.2	750.4	748.3	744.1	742.3	738.5	738.1	737.7
30°	719.4	713.0	707.4	704.9	701.4	699.7	696.5	694.4	693.0	693.0	692.3
32.5°	666.8	661.2	658.4	653.1	651.3	648.8	646.8	644.6	645.4	644.6	645.0
35°	610.0	608.7	603.4	600.2	600.2	599.9	596.3	594.9	594.2	594.5	596.3
37.5°	556.1	551.9	548.3	546.3	548.0	545.9	545.6	545.6	547.6	546.3	549.0
40°	498.7	498.3	496.9	497.6	497.9	495.5	496.2	496.5	497.9	500.8	501.1
42.5°	448.5	448.2	448.2	448.2	447.5	446.1	447.5	450.0	449.6	451.8	453.5
45°	400.2	399.6	400.9	399.9	402.0	402.7	401.6	402.4	404.5	405.9	408.7
47.5°	356.2	356.2	356.5	357.2	355.1	356.9	357.6	359.0	360.1	360.8	362.1
50°	315.2	315.2	314.5	314.5	314.5	315.6	314.2	315.9	316.3	319.2	320.9
52.5°	277.5	275.7	276.8	276.1	274.7	274.0	274.7	275.1	277.2	277.9	280.0
55°	241.6	241.6	238.7	238.0	239.1	238.7	238.4	238.4	239.4	240.5	242.3
57.5°	209.8	207.7	205.6	205.3	204.2	204.6	204.6	204.2	203.5	203.9	204.2
60°	179.9	178.4	175.2	175.2	174.9	174.6	172.8	172.5	170.7	171.0	169.6
62.5°	152.3	151.6	147.4	146.0	146.0	144.9	143.2	142.9	140.4	140.4	138.9
65°	127.7	125.6	123.1	120.6	120.6	119.2	118.2	114.9	113.2	112.2	110.0
67.5°	105.0	101.9	99.4	97.3	96.0	95.6	93.1	91.0	88.2	86.4	83.2
70°	83.2	80.8	78.3	76.2	74.7	73.4	70.9	67.7	65.6	62.4	60.3
72.5°	62.8	60.6	58.5	55.7	54.0	52.9	50.5	47.6	44.1	42.0	39.1
75°	45.1	42.7	39.9	37.4	36.3	35.2	32.5	30.3	27.8	25.4	22.6
77.5°	29.2	26.5	24.3	21.5	21.1	20.4	17.7	15.5	13.7	12.3	10.6
80°	15.5	14.1	12.3	10.6	9.9	8.8	7.4	6.3	5.3	4.2	3.6
82.5°	6.7	5.6	4.5	3.9	3.6	3.2	2.5	2.1	1.8	1.8	1.4
85°	1.8	1.4	1.4	1.1	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



TEST NUMBER: P857464

CATALOG NUMBER: LX4C25D010 EX4C259835 4LBLWW*

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1
2.5°	939.1	939.5	939.8	939.8	940.2	940.5	940.5	940.9	941.2	941.6	941.6
5°	937.3	937.3	937.3	937.7	937.7	937.7	937.7	938.4	938.4	938.7	939.1
7.5°	933.8	933.8	933.8	933.8	933.5	933.8	933.5	933.5	934.2	934.5	934.9
10°	928.1	927.9	927.9	927.5	927.5	927.5	927.9	928.1	928.5	928.8	929.9
12.5°	919.4	919.0	919.0	918.7	918.7	919.0	919.4	920.1	921.4	922.2	923.6
15°	905.2	904.9	905.2	905.6	906.3	907.3	908.4	909.5	911.6	913.3	915.1
17.5°	884.8	885.1	885.5	886.2	887.3	888.7	891.5	894.3	896.8	899.6	902.4
20°	856.6	858.0	858.3	860.8	861.5	864.7	867.8	872.1	876.0	879.5	883.4
22.5°	822.7	823.8	825.2	828.0	829.8	834.0	837.9	842.8	847.1	851.6	857.3
25°	784.3	784.6	788.8	788.8	793.1	796.6	801.2	806.5	812.8	818.9	822.7
27.5°	740.6	742.3	745.5	746.9	750.0	755.8	759.6	765.9	772.3	777.6	781.8
30°	694.8	696.1	701.4	702.2	704.6	709.6	714.8	720.8	725.8	731.8	735.6
32.5°	646.4	650.3	653.5	656.0	656.6	664.0	666.8	671.1	676.7	682.7	686.6
35°	599.5	601.3	605.8	607.3	609.4	613.6	619.2	622.8	625.6	629.5	634.0
37.5°	549.8	555.1	556.1	560.4	561.1	564.9	567.8	572.0	575.5	579.0	579.7
40°	503.6	505.4	509.2	510.3	511.0	516.3	519.8	520.9	522.6	525.8	530.1
42.5°	456.7	458.4	462.6	461.7	464.8	467.3	469.1	473.2	475.0	476.1	476.1
45°	410.5	411.2	414.0	415.5	417.2	418.6	421.8	423.8	424.6	427.8	428.8
47.5°	366.4	367.1	369.2	371.7	371.0	372.7	376.3	377.3	377.7	379.8	380.9
50°	323.0	324.8	327.6	326.9	329.1	330.0	333.2	334.0	334.0	334.3	334.7
52.5°	282.5	283.8	284.6	285.3	286.3	288.1	289.5	288.8	290.3	291.6	290.6
55°	242.3	243.4	245.1	245.8	245.8	246.1	245.4	248.6	247.2	246.8	247.2
57.5°	205.6	204.2	203.9	205.6	206.3	205.9	204.9	206.3	206.3	205.6	204.6
60°	170.0	168.9	168.5	168.9	167.5	166.5	167.1	166.5	164.7	164.0	164.3
62.5°	137.5	136.4	133.7	133.7	133.0	132.6	129.7	130.1	128.7	126.6	127.3
65°	107.5	104.8	103.4	103.0	100.5	98.4	97.6	95.2	93.1	92.7	93.1
67.5°	80.8	77.6	75.1	74.0	72.7	70.9	68.4	66.3	67.0	66.6	68.0
70°	56.1	54.0	51.5	49.8	50.5	48.3	46.9	46.9	47.3	47.6	48.3
72.5°	37.4	34.6	33.5	32.5	31.7	30.3	31.0	31.0	30.7	31.0	30.3
75°	21.1	19.7	18.7	18.4	17.7	17.7	17.7	17.7	17.3	16.9	16.9
77.5°	9.5	8.8	8.5	8.1	8.1	8.1	7.8	7.4	7.4	7.4	7.0
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	1.4	1.4	1.8	1.8	1.8	1.4	1.8	1.8	1.4	1.4	1.8
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



TEST NUMBER: P857464

CATALOG NUMBER: LX4C25D010 EX4C259835 4LBLWW*

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1
2.5°	941.9	942.3	942.3	942.3	942.7	942.7	942.7	942.7
5°	939.5	939.8	939.8	939.8	940.2	940.2	940.2	940.2
7.5°	935.3	935.6	935.6	935.9	935.9	936.2	936.2	936.6
10°	930.3	931.0	931.3	931.7	932.0	932.4	932.4	932.8
12.5°	925.0	925.7	926.1	926.8	927.5	927.9	928.1	928.5
15°	917.2	918.7	919.4	919.7	921.1	921.8	922.2	922.5
17.5°	904.9	907.7	908.8	909.5	910.9	912.3	913.3	913.7
20°	887.3	890.4	891.8	893.6	895.8	897.4	898.2	898.9
22.5°	862.6	866.1	868.2	870.3	872.1	873.8	876.7	875.6
25°	827.3	833.3	835.7	836.8	840.7	842.8	844.2	842.8
27.5°	787.9	791.3	793.5	796.0	798.7	800.9	801.6	803.7
30°	740.2	746.2	745.9	748.3	751.8	754.0	754.7	756.5
32.5°	690.8	693.7	695.7	695.4	696.8	700.7	699.3	702.5
35°	638.3	638.7	642.1	641.8	644.6	644.6	644.6	646.8
37.5°	582.2	586.4	584.7	588.9	587.5	588.5	588.5	589.3
40°	531.1	532.5	532.5	533.9	535.0	533.9	534.6	536.4
42.5°	478.2	479.6	479.9	479.2	480.3	483.5	481.0	483.1
45°	428.8	429.9	431.2	430.3	432.0	431.0	432.0	431.2
47.5°	382.3	381.9	381.6	384.4	381.9	382.3	383.7	381.2
50°	334.7	336.8	335.4	336.5	337.2	337.2	336.1	336.1
52.5°	292.3	292.0	291.0	292.0	291.2	291.6	292.3	291.6
55°	248.6	250.0	249.3	249.0	249.3	249.3	251.5	248.6
57.5°	205.6	204.9	205.9	208.4	205.9	207.7	208.8	209.1
60°	164.7	164.7	166.8	165.8	167.8	169.6	171.0	170.3
62.5°	125.6	127.3	128.1	128.3	130.5	131.9	131.9	131.5
65°	93.1	95.6	95.6	97.0	97.6	97.6	98.4	99.8
67.5°	68.8	68.8	69.1	69.8	69.5	69.5	70.2	70.5
70°	48.0	47.3	48.3	48.0	48.0	47.6	48.0	48.0
72.5°	30.3	30.3	30.7	30.3	29.6	30.0	30.0	30.7
75°	16.2	16.9	16.2	16.2	16.6	15.9	16.2	16.6
77.5°	6.7	6.7	6.7	6.7	6.7	6.3	6.3	6.3
80°	3.2	3.2	3.2	3.2	3.2	3.2	2.9	2.9
82.5°	1.4	1.8	1.4	1.8	1.4	1.4	1.4	1.4
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)