

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: P857451

Luminaire Tested: **LX4C25D010 EX4C259830 4LBLWW\***

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857451  
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 EX4C259830 4LBLWW\*  
Description:  
Light Source: -  
Ballast/Driver: -

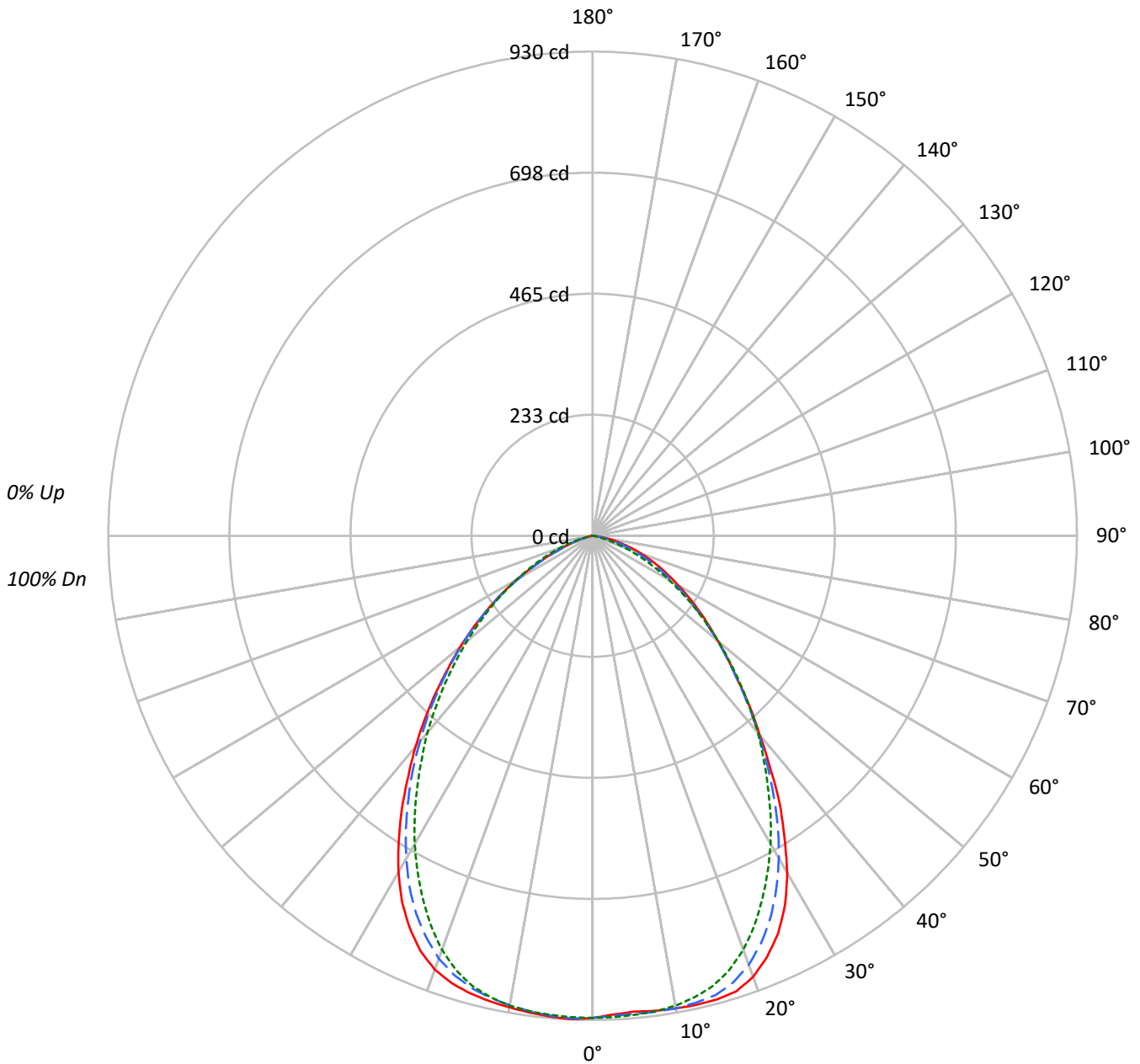
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1775.5 lumens  
Efficiency: N/A  
Efficacy: 56.4 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 (A<sub>in</sub>): 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°	113775	113775	113775
5°	113136	113913	114333
10°	115006	114320	114744
15°	117254	113807	115715
20°	117847	110617	115886
25°	114218	104458	112659
30°	106025	96932	105813
35°	93885	87931	95655
40°	80027	79193	84838
45°	68767	69549	73892
50°	60014	60147	63339
55°	53033	50806	52498
60°	46463	41426	41279
65°	41133	32151	28604
70°	35094	22091	16990
75°	28385	11914	7737
80°	19456	2971	1981
85°	5920	987	987



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	5.0
10°-20°	254.8	14.4
20°-30°	368.1	20.7
30°-40°	380.6	21.4
40°-50°	314.5	17.7
50°-60°	217.0	12.2
60°-70°	113.6	6.4
70°-80°	35.8	2.0
80°-90°	3.0	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°	710.9	40.0
0°-40°	1091.5	61.5
0°-60°	1623.0	91.4
0°-90°	1775.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1775.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	926	926	926	926	926	
5°	917	922	924	925	927	88
15°	922	913	895	899	910	260
25°	843	808	771	802	831	385
35°	626	605	586	617	638	389
45°	396	394	400	419	425	309
55°	248	240	237	244	245	222
65°	142	128	111	92	98	140
75°	60	47	25	17	16	64
85°	4	2	1	1	1	9
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°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1
2.5°	920.2	920.5	920.5	921.2	921.2	921.2	921.5	921.5	921.9	922.2	922.6
5°	917.4	917.4	918.0	918.4	919.1	919.5	920.2	920.5	921.2	921.5	921.9
7.5°	920.2	920.2	920.5	920.9	920.9	921.2	921.2	921.5	921.9	922.2	922.2
10°	921.9	921.9	921.9	921.9	922.2	922.2	922.2	921.9	921.9	921.9	921.5
12.5°	922.6	922.6	922.2	921.9	922.2	921.9	921.9	920.9	920.2	919.5	918.4
15°	921.9	921.9	921.5	921.2	920.9	920.2	919.8	918.0	916.7	914.6	913.2
17.5°	917.4	916.7	916.0	915.3	913.9	912.9	912.2	909.0	906.6	903.2	899.3
20°	901.4	900.7	899.7	897.9	896.2	894.8	892.7	888.2	885.8	880.5	876.7
22.5°	875.3	874.6	875.0	871.9	868.4	866.2	864.9	861.1	856.9	850.3	846.1
25°	842.6	840.6	840.6	835.7	834.0	832.5	830.7	826.3	820.0	814.1	808.5
27.5°	800.2	797.4	796.1	795.3	791.2	788.0	785.6	782.1	776.9	771.7	764.0
30°	747.4	747.0	745.2	742.1	739.0	737.6	734.8	728.9	724.0	720.2	715.4
32.5°	685.1	684.8	684.8	684.8	682.6	682.3	678.2	675.0	671.2	665.2	662.1
35°	626.0	625.6	626.0	620.7	619.3	618.3	618.0	615.8	610.7	607.9	605.1
37.5°	559.2	560.2	559.6	558.1	559.9	556.7	559.2	554.7	552.6	551.9	548.8
40°	499.0	501.8	499.0	499.4	501.2	497.9	497.9	497.3	495.9	495.2	494.5
42.5°	447.6	444.1	446.1	444.4	446.1	445.2	443.4	444.4	444.8	443.4	443.0
45°	395.8	396.5	397.2	396.1	396.1	395.0	397.8	396.1	396.1	396.5	394.0
47.5°	353.7	352.6	353.3	352.6	353.0	352.2	353.0	353.3	352.6	352.6	350.5
50°	314.0	313.4	315.8	313.7	313.7	313.4	313.7	313.0	311.9	311.9	312.6
52.5°	279.6	278.2	277.9	279.6	277.2	277.2	277.5	276.8	275.5	274.7	273.0
55°	247.6	247.3	247.6	246.2	245.5	245.5	243.8	243.1	242.7	241.0	240.0
57.5°	217.7	216.7	217.0	216.7	215.3	214.9	213.5	213.5	212.1	210.7	209.0
60°	189.1	189.1	190.2	188.9	187.8	187.1	186.4	185.7	183.3	180.8	178.7
62.5°	163.8	164.2	163.8	162.7	162.0	161.3	160.7	158.6	156.5	155.1	152.7
65°	141.5	141.2	140.2	139.5	137.7	137.7	136.3	135.3	132.9	130.7	128.3
67.5°	118.6	117.9	117.9	117.9	115.8	115.5	114.8	112.7	110.6	107.8	105.8
70°	97.7	98.4	97.4	96.3	95.3	95.0	93.9	91.8	89.4	86.6	84.9
72.5°	77.9	78.6	77.6	77.2	75.1	74.5	74.1	72.3	69.6	67.8	65.0
75°	59.8	60.2	59.5	58.8	57.3	57.1	55.3	53.9	52.2	49.4	46.9
77.5°	43.2	42.4	42.4	41.0	39.7	39.7	39.3	37.2	34.8	32.7	30.6
80°	27.5	27.1	26.0	25.4	24.3	24.0	23.6	21.9	20.2	18.8	17.4
82.5°	13.9	13.6	13.2	12.8	12.1	11.5	11.9	10.4	9.7	8.4	7.3
85°	4.2	4.5	4.5	4.2	3.8	3.8	3.8	3.5	2.8	2.4	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°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1
2.5°	923.0	923.3	923.7	924.0	924.0	924.4	924.6	925.0	925.4	925.4	925.7
5°	922.2	923.0	923.0	923.3	923.3	923.3	923.7	923.7	923.7	923.7	924.0
7.5°	922.6	922.6	922.6	922.2	922.2	921.9	921.9	921.9	921.2	921.2	921.2
10°	920.9	920.5	920.2	919.5	919.1	918.8	918.0	917.4	916.7	916.4	915.6
12.5°	917.4	916.0	914.6	913.2	912.5	912.2	910.7	909.8	908.7	907.6	907.0
15°	910.5	908.3	905.9	903.2	902.4	901.7	899.3	897.2	895.8	894.8	893.1
17.5°	896.6	892.4	889.6	885.4	883.6	882.9	879.2	877.0	874.6	873.9	872.5
20°	871.9	868.0	862.8	858.9	856.9	854.8	851.6	848.8	846.1	846.1	844.4
22.5°	840.9	836.0	829.4	824.5	824.1	820.0	817.2	814.1	813.1	811.0	811.0
25°	801.9	797.8	790.4	786.2	784.2	783.1	778.7	774.5	772.3	770.6	772.0
27.5°	758.8	752.5	747.0	741.8	740.1	737.9	733.7	732.0	728.2	727.8	727.5
30°	709.4	703.1	697.6	695.2	691.7	689.9	686.8	684.8	683.3	683.3	682.6
32.5°	657.6	652.0	649.3	644.0	642.3	639.9	637.8	635.7	636.4	635.7	636.1
35°	601.7	600.2	595.0	591.8	591.8	591.5	588.0	586.7	586.0	586.3	588.0
37.5°	548.4	544.2	540.8	538.7	540.4	538.3	538.0	538.0	540.0	538.7	541.5
40°	491.7	491.3	490.0	490.7	491.0	488.6	489.3	489.7	491.0	493.8	494.2
42.5°	442.3	442.0	442.0	442.0	441.3	439.9	441.3	443.7	443.4	445.5	447.2
45°	394.7	394.0	395.4	394.3	396.5	397.2	396.1	396.8	398.9	400.3	403.1
47.5°	351.3	351.3	351.6	352.2	350.2	352.0	352.6	354.0	355.1	355.7	357.1
50°	310.9	310.9	310.2	310.2	310.2	311.2	309.9	311.6	311.9	314.7	316.5
52.5°	273.7	272.0	273.0	272.3	270.9	270.2	270.9	271.3	273.3	274.0	276.1
55°	238.2	238.2	235.4	234.7	235.8	235.4	235.1	235.1	236.1	237.2	238.9
57.5°	206.9	204.8	202.8	202.4	201.4	201.7	201.7	201.4	200.6	201.0	201.4
60°	177.4	175.9	172.8	172.8	172.5	172.1	170.4	170.1	168.3	168.6	167.3
62.5°	150.3	149.5	145.4	143.9	143.9	142.9	141.2	140.8	138.4	138.4	137.1
65°	125.9	123.8	121.4	119.0	119.0	117.5	116.5	113.3	111.6	110.6	108.5
67.5°	103.6	100.5	98.1	96.0	94.6	94.3	91.8	89.7	86.9	85.2	82.0
70°	82.0	79.6	77.2	75.1	73.7	72.3	69.9	66.8	64.7	61.5	59.5
72.5°	61.9	59.8	57.7	54.9	53.2	52.2	49.8	46.9	43.4	41.4	38.6
75°	44.5	42.1	39.3	36.8	35.8	34.8	32.0	29.9	27.5	25.1	22.3
77.5°	28.9	26.0	24.0	21.2	20.9	20.2	17.4	15.3	13.6	12.1	10.4
80°	15.3	13.9	12.1	10.4	9.7	8.6	7.3	6.2	5.2	4.2	3.5
82.5°	6.6	5.5	4.5	3.8	3.5	3.1	2.4	2.1	1.7	1.7	1.4
85°	1.7	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



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1
2.5°	926.1	926.4	926.8	926.8	927.1	927.5	927.5	927.9	928.1	928.5	928.5
5°	924.4	924.4	924.4	924.6	924.6	924.6	924.6	925.4	925.4	925.7	926.1
7.5°	920.9	920.9	920.9	920.9	920.5	920.9	920.5	920.5	921.2	921.5	921.9
10°	915.3	914.9	914.9	914.6	914.6	914.6	914.9	915.3	915.6	916.0	917.1
12.5°	906.6	906.3	906.3	905.9	905.9	906.3	906.6	907.3	908.7	909.4	910.7
15°	892.7	892.4	892.7	893.1	893.7	894.8	895.8	896.8	899.0	900.7	902.4
17.5°	872.5	872.8	873.2	873.9	875.0	876.3	879.2	881.9	884.3	887.1	889.9
20°	844.7	846.1	846.4	848.8	849.6	852.7	855.8	860.0	863.8	867.3	871.1
22.5°	811.3	812.4	813.7	816.6	818.3	822.5	826.3	831.1	835.3	839.8	845.4
25°	773.4	773.8	778.0	778.0	782.1	785.6	790.1	795.3	801.6	807.5	811.3
27.5°	730.2	732.0	735.2	736.6	739.7	745.2	749.1	755.3	761.5	766.8	771.0
30°	685.1	686.5	691.7	692.3	694.8	699.7	704.9	710.8	715.7	721.6	725.4
32.5°	637.4	641.3	644.4	646.9	647.5	654.8	657.6	661.8	667.4	673.3	677.1
35°	591.2	592.9	597.5	598.8	600.9	605.1	610.7	614.1	616.9	620.7	625.3
37.5°	542.2	547.4	548.4	552.6	553.2	557.1	559.9	564.0	567.5	571.0	571.7
40°	496.6	498.3	502.1	503.2	503.9	509.1	512.6	513.6	515.3	518.5	522.6
42.5°	450.3	452.1	456.2	455.2	458.4	460.8	462.5	466.6	468.4	469.5	469.5
45°	404.8	405.5	408.2	409.7	411.4	412.8	415.9	418.0	418.7	421.8	422.9
47.5°	361.3	362.0	364.1	366.5	365.9	367.6	371.1	372.1	372.5	374.5	375.6
50°	318.5	320.3	323.1	322.4	324.4	325.5	328.6	329.3	329.3	329.7	330.0
52.5°	278.6	279.9	280.6	281.3	282.4	284.1	285.5	284.8	286.2	287.6	286.5
55°	238.9	240.0	241.7	242.4	242.4	242.7	242.0	245.1	243.8	243.4	243.8
57.5°	202.8	201.4	201.0	202.8	203.4	203.0	202.1	203.4	203.4	202.8	201.7
60°	167.6	166.6	166.2	166.6	165.2	164.2	164.8	164.2	162.4	161.7	162.0
62.5°	135.6	134.6	131.8	131.8	131.1	130.7	128.0	128.3	126.9	124.8	125.6
65°	106.0	103.3	101.9	101.6	99.1	97.0	96.3	93.9	91.8	91.5	91.8
67.5°	79.6	76.5	74.1	73.0	71.6	69.9	67.5	65.4	66.1	65.7	67.1
70°	55.3	53.2	50.7	49.0	49.8	47.6	46.3	46.3	46.6	46.9	47.6
72.5°	36.8	34.1	33.0	32.0	31.3	29.9	30.6	30.6	30.2	30.6	29.9
75°	20.9	19.4	18.5	18.1	17.4	17.4	17.4	17.4	17.0	16.7	16.7
77.5°	9.4	8.6	8.4	8.0	8.0	8.0	7.7	7.3	7.3	7.3	7.0
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
82.5°	1.4	1.4	1.7	1.7	1.7	1.4	1.7	1.7	1.4	1.4	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 EX4C259830 4LBLWW\*

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1
2.5°	928.8	929.2	929.2	929.2	929.6	929.6	929.6	929.6
5°	926.4	926.8	926.8	926.8	927.1	927.1	927.1	927.1
7.5°	922.2	922.6	922.6	923.0	923.0	923.3	923.3	923.7
10°	917.4	918.0	918.4	918.8	919.1	919.5	919.5	919.8
12.5°	912.2	912.9	913.2	913.9	914.6	914.9	915.3	915.6
15°	904.5	905.9	906.6	907.0	908.3	909.0	909.4	909.8
17.5°	892.4	895.1	896.2	896.8	898.3	899.7	900.7	901.0
20°	875.0	878.1	879.4	881.2	883.3	885.1	885.8	886.4
22.5°	850.6	854.1	856.2	858.3	860.0	861.8	864.5	863.5
25°	815.9	821.7	824.1	825.2	829.1	831.1	832.5	831.1
27.5°	776.9	780.4	782.4	784.9	787.7	789.7	790.4	792.6
30°	730.0	735.9	735.5	737.9	741.4	743.5	744.2	745.9
32.5°	681.3	684.1	686.1	685.7	687.2	691.0	689.6	692.7
35°	629.5	629.7	633.2	633.0	635.7	635.7	635.7	637.8
37.5°	574.1	578.3	576.6	580.8	579.4	580.4	580.4	581.1
40°	523.7	525.1	525.1	526.5	527.6	526.5	527.2	529.0
42.5°	471.6	473.0	473.3	472.6	473.6	476.8	474.3	476.5
45°	422.9	423.9	425.3	424.3	426.0	424.9	426.0	425.3
47.5°	376.9	376.6	376.3	379.1	376.6	376.9	378.4	376.0
50°	330.0	332.1	330.7	331.7	332.4	332.4	331.4	331.4
52.5°	288.3	287.9	286.9	287.9	287.2	287.6	288.3	287.6
55°	245.1	246.6	245.9	245.5	245.9	245.9	248.0	245.1
57.5°	202.8	202.1	203.0	205.5	203.0	204.8	205.9	206.3
60°	162.4	162.4	164.5	163.5	165.5	167.3	168.6	168.0
62.5°	123.8	125.6	126.3	126.6	128.7	130.1	130.1	129.7
65°	91.8	94.3	94.3	95.6	96.3	96.3	97.0	98.4
67.5°	67.8	67.8	68.1	68.8	68.5	68.5	69.2	69.6
70°	47.3	46.6	47.6	47.3	47.3	46.9	47.3	47.3
72.5°	29.9	29.9	30.2	29.9	29.2	29.5	29.5	30.2
75°	16.0	16.7	16.0	16.0	16.3	15.6	16.0	16.3
77.5°	6.6	6.6	6.6	6.6	6.6	6.2	6.2	6.2
80°	3.1	3.1	3.1	3.1	3.1	3.1	2.8	2.8
82.5°	1.4	1.7	1.4	1.7	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)