

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: P857490

Luminaire Tested: **LX4C25D010 EX4C259850 4LBLWW\***

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857490  
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 EX4C259850 4LBLWW\*  
Description:  
Light Source: -  
Ballast/Driver: -

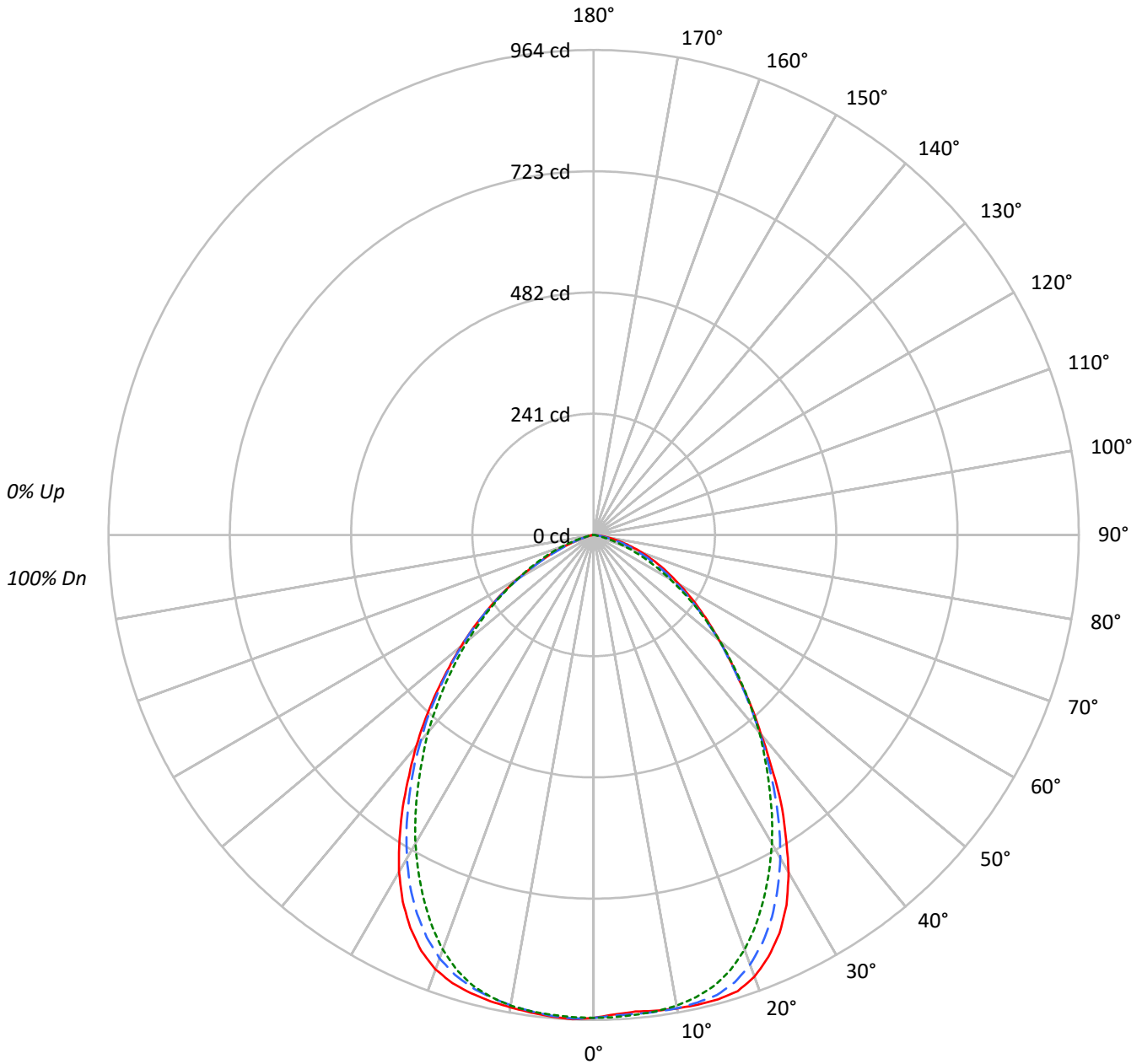
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1840.5 lumens  
Efficiency: N/A  
Efficacy: 58.4 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				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			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78			78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			60
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54			54
6	76	65	57	51	75	64	56	51	62	56	51	61	55	50	59	54	50	48			48
7	71	59	51	46	70	59	51	46	57	50	46	56	50	45	54	49	45	43			43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	50	45	41	39			39
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36			36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	35	44	38	34	33			33

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	117939	117939	117939
5°	117280	118082	118526
10°	119222	118511	118948
15°	121553	117979	119950
20°	122175	114670	120135
25°	118420	108294	116793
30°	109898	100493	109700
35°	97320	91156	99149
40°	82961	82095	87933
45°	71286	72085	76602
50°	62231	62364	65671
55°	54961	52669	54425
60°	48183	42974	42802
65°	42645	33343	29651
70°	36387	22917	17601
75°	29430	12294	8022
80°	20093	3113	2052
85°	6202	987	987



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.2	5.0
10°-20°	264.1	14.4
20°-30°	381.6	20.7
30°-40°	394.5	21.4
40°-50°	326.0	17.7
50°-60°	225.0	12.2
60°-70°	117.8	6.4
70°-80°	37.1	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°	737.0	40.0
0°-40°	1131.6	61.5
0°-60°	1682.5	91.4
0°-90°	1840.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1840.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	960	960	960	960	960	
5°	951	956	958	959	961	91
15°	956	947	928	932	943	270
25°	874	838	799	831	862	399
35°	649	627	608	640	661	403
45°	410	408	415	434	441	320
55°	257	249	246	253	254	231
65°	147	133	115	95	102	145
75°	62	49	26	18	17	66
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°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0
2.5°	953.9	954.3	954.3	955.0	955.0	955.0	955.3	955.3	955.7	956.0	956.4
5°	951.0	951.0	951.8	952.1	952.8	953.2	953.9	954.3	955.0	955.3	955.7
7.5°	953.9	953.9	954.3	954.6	954.6	955.0	955.0	955.3	955.7	956.0	956.0
10°	955.7	955.7	955.7	955.7	956.0	956.0	956.0	955.7	955.7	955.7	955.3
12.5°	956.4	956.4	956.0	955.7	956.0	955.7	955.7	954.6	953.9	953.2	952.1
15°	955.7	955.7	955.3	955.0	954.6	953.9	953.5	951.8	950.3	948.1	946.7
17.5°	951.0	950.3	949.6	948.8	947.4	946.3	945.6	942.4	939.8	936.2	932.3
20°	934.5	933.7	932.7	930.8	929.0	927.6	925.4	920.7	918.2	912.8	908.9
22.5°	907.4	906.6	907.1	903.8	900.2	898.0	896.6	892.6	888.3	881.4	877.1
25°	873.6	871.3	871.3	866.3	864.5	863.0	861.2	856.6	850.1	843.9	838.1
27.5°	829.5	826.6	825.2	824.5	820.1	816.9	814.4	810.8	805.3	800.0	792.0
30°	774.7	774.4	772.6	769.3	766.1	764.7	761.7	755.7	750.6	746.6	741.6
32.5°	710.2	709.8	709.8	709.8	707.7	707.3	703.0	699.7	695.7	689.7	686.4
35°	648.9	648.6	648.9	643.5	642.1	641.0	640.6	638.5	633.0	630.2	627.3
37.5°	579.7	580.8	580.1	578.7	580.4	577.1	579.7	575.0	572.9	572.1	568.8
40°	517.3	520.2	517.3	517.7	519.5	516.2	516.2	515.5	514.1	513.4	512.7
42.5°	464.0	460.4	462.5	460.8	462.5	461.5	459.6	460.8	461.1	459.6	459.2
45°	410.3	411.0	411.7	410.6	410.6	409.6	412.4	410.6	410.6	411.0	408.4
47.5°	366.6	365.5	366.2	365.5	365.9	365.2	365.9	366.2	365.5	365.5	363.4
50°	325.6	324.9	327.4	325.2	325.2	324.9	325.2	324.4	323.3	323.3	324.1
52.5°	289.8	288.4	288.0	289.8	287.3	287.3	287.7	287.0	285.5	284.8	283.0
55°	256.6	256.3	256.6	255.2	254.5	254.5	252.7	252.0	251.6	249.9	248.7
57.5°	225.7	224.6	225.0	224.6	223.1	222.8	221.3	221.3	219.9	218.5	216.7
60°	196.1	196.1	197.2	195.7	194.7	194.0	193.2	192.5	190.0	187.4	185.3
62.5°	169.8	170.1	169.8	168.7	168.0	167.3	166.6	164.3	162.2	160.8	158.3
65°	146.7	146.3	145.3	144.6	142.8	142.8	141.3	140.3	137.7	135.5	133.0
67.5°	123.0	122.2	122.2	122.2	120.0	119.7	119.0	116.8	114.7	111.7	109.6
70°	101.3	102.0	100.9	99.9	98.8	98.4	97.4	95.1	92.7	89.8	87.9
72.5°	80.8	81.5	80.4	80.0	77.8	77.1	76.8	75.0	72.1	70.3	67.4
75°	62.0	62.3	61.6	60.9	59.5	59.1	57.3	55.9	54.0	51.2	48.7
77.5°	44.7	44.0	44.0	42.5	41.1	41.1	40.8	38.6	36.0	33.9	31.7
80°	28.4	28.1	27.0	26.3	25.2	24.9	24.5	22.7	20.9	19.4	18.0
82.5°	14.4	14.1	13.7	13.4	12.6	11.9	12.2	10.8	10.1	8.6	7.6
85°	4.4	4.7	4.7	4.4	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



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0
2.5°	956.7	957.1	957.5	957.9	957.9	958.3	958.6	959.0	959.3	959.3	959.7
5°	956.0	956.7	956.7	957.1	957.1	957.1	957.5	957.5	957.5	957.5	957.9
7.5°	956.4	956.4	956.4	956.0	956.0	955.7	955.7	955.7	955.0	955.0	955.0
10°	954.6	954.3	953.9	953.2	952.8	952.5	951.8	951.0	950.3	950.0	949.3
12.5°	951.0	949.6	948.1	946.7	946.0	945.6	944.2	943.1	942.0	941.0	940.2
15°	943.8	941.7	939.1	936.2	935.5	934.8	932.3	930.1	928.7	927.6	925.8
17.5°	929.4	925.1	922.2	917.9	916.1	915.3	911.4	909.2	906.6	905.9	904.5
20°	903.8	899.9	894.4	890.5	888.3	886.1	882.9	880.0	877.1	877.1	875.3
22.5°	871.7	866.7	859.8	854.7	854.4	850.1	847.2	843.9	842.9	840.7	840.7
25°	831.4	827.0	819.4	815.1	812.9	811.8	807.2	802.8	800.7	798.9	800.3
27.5°	786.6	780.1	774.4	768.9	767.2	765.0	760.7	758.9	754.9	754.5	754.1
30°	735.4	728.9	723.2	720.6	717.0	715.3	712.0	709.8	708.4	708.4	707.7
32.5°	681.7	675.9	673.1	667.6	665.9	663.4	661.1	659.0	659.7	659.0	659.4
35°	623.7	622.3	616.8	613.6	613.6	613.3	609.6	608.2	607.5	607.8	609.6
37.5°	568.5	564.2	560.5	558.4	560.2	558.1	557.7	557.7	559.8	558.4	561.4
40°	509.7	509.4	507.9	508.6	509.0	506.5	507.2	507.6	509.0	511.9	512.3
42.5°	458.5	458.2	458.2	458.2	457.5	456.0	457.5	460.0	459.6	461.8	463.6
45°	409.1	408.4	409.9	408.8	411.0	411.7	410.6	411.4	413.5	414.9	417.9
47.5°	364.1	364.1	364.5	365.2	363.0	364.8	365.5	367.0	368.1	368.8	370.3
50°	322.3	322.3	321.6	321.6	321.6	322.6	321.2	323.0	323.3	326.3	328.1
52.5°	283.8	281.9	283.0	282.2	280.8	280.1	280.8	281.2	283.4	284.1	286.2
55°	246.9	246.9	244.1	243.4	244.4	244.1	243.7	243.7	244.8	245.9	247.6
57.5°	214.5	212.3	210.2	209.8	208.8	209.1	209.1	208.8	208.0	208.4	208.8
60°	183.9	182.5	179.2	179.2	178.8	178.4	176.7	176.3	174.5	174.9	173.4
62.5°	155.7	155.0	150.7	149.3	149.3	148.2	146.3	146.0	143.5	143.5	142.1
65°	130.5	128.3	125.8	123.3	123.3	121.8	120.7	117.5	115.7	114.7	112.4
67.5°	107.5	104.2	101.7	99.5	98.1	97.7	95.1	93.0	90.2	88.3	85.1
70°	85.1	82.6	80.0	77.8	76.4	75.0	72.5	69.2	67.1	63.8	61.6
72.5°	64.2	62.0	59.8	57.0	55.2	54.0	51.5	48.7	45.0	42.9	40.0
75°	46.1	43.6	40.8	38.3	37.1	36.0	33.2	31.0	28.4	25.9	23.1
77.5°	30.0	27.0	24.9	22.0	21.7	20.9	18.0	15.9	14.1	12.6	10.8
80°	15.9	14.4	12.6	10.8	10.1	9.0	7.6	6.5	5.4	4.4	3.6
82.5°	6.9	5.8	4.7	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



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0
2.5°	960.0	960.4	960.8	960.8	961.1	961.5	961.5	961.8	962.2	962.5	962.5
5°	958.3	958.3	958.3	958.6	958.6	958.6	958.6	959.3	959.3	959.7	960.0
7.5°	954.6	954.6	954.6	954.6	954.3	954.6	954.3	954.3	955.0	955.3	955.7
10°	948.8	948.5	948.5	948.1	948.1	948.1	948.5	948.8	949.3	949.6	950.7
12.5°	939.8	939.5	939.5	939.1	939.1	939.5	939.8	940.5	942.0	942.7	944.2
15°	925.4	925.1	925.4	925.8	926.5	927.6	928.7	929.7	931.9	933.7	935.5
17.5°	904.5	904.9	905.2	905.9	907.1	908.5	911.4	914.2	916.8	919.7	922.5
20°	875.7	877.1	877.5	880.0	880.7	884.0	887.2	891.6	895.5	899.1	903.1
22.5°	841.1	842.2	843.6	846.4	848.3	852.6	856.6	861.6	866.0	870.6	876.4
25°	801.8	802.1	806.5	806.5	810.8	814.4	819.1	824.5	830.9	837.1	841.1
27.5°	757.1	758.9	762.1	763.6	766.8	772.6	776.5	783.0	789.5	794.9	799.3
30°	710.2	711.6	717.0	717.8	720.3	725.3	730.8	736.8	741.9	748.1	752.0
32.5°	660.8	664.8	668.0	670.5	671.3	678.8	681.7	686.0	691.8	698.0	701.9
35°	612.9	614.7	619.3	620.8	623.0	627.3	633.0	636.6	639.6	643.5	648.2
37.5°	562.1	567.4	568.5	572.9	573.6	577.5	580.4	584.7	588.4	591.9	592.7
40°	514.8	516.6	520.6	521.7	522.4	527.8	531.4	532.5	534.2	537.5	541.8
42.5°	466.8	468.7	473.0	471.9	475.1	477.7	479.5	483.8	485.6	486.7	486.7
45°	419.7	420.4	423.2	424.6	426.5	427.9	431.2	433.3	434.0	437.3	438.4
47.5°	374.5	375.2	377.5	380.0	379.3	381.0	384.7	385.8	386.1	388.3	389.3
50°	330.2	332.0	334.9	334.2	336.4	337.4	340.6	341.4	341.4	341.8	342.2
52.5°	288.7	290.2	290.9	291.7	292.8	294.5	296.0	295.3	296.7	298.1	297.0
55°	247.6	248.7	250.6	251.3	251.3	251.6	250.9	254.1	252.7	252.4	252.7
57.5°	210.2	208.8	208.4	210.2	210.9	210.5	209.5	210.9	210.9	210.2	209.1
60°	173.8	172.6	172.3	172.6	171.2	170.1	170.9	170.1	168.4	167.6	168.0
62.5°	140.6	139.6	136.6	136.6	135.9	135.5	132.7	133.0	131.6	129.4	130.1
65°	110.0	107.1	105.7	105.2	102.7	100.6	99.9	97.4	95.1	94.8	95.1
67.5°	82.6	79.3	76.8	75.7	74.3	72.5	69.9	67.8	68.5	68.1	69.6
70°	57.3	55.2	52.6	50.8	51.5	49.4	48.0	48.0	48.3	48.7	49.4
72.5°	38.3	35.3	34.2	33.2	32.5	31.0	31.7	31.7	31.4	31.7	31.0
75°	21.7	20.2	19.1	18.7	18.0	18.0	18.0	18.0	17.7	17.3	17.3
77.5°	9.7	9.0	8.6	8.3	8.3	8.3	7.9	7.6	7.6	7.6	7.2
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





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CATALOG NUMBER: LX4C25D010 EX4C259850 4LBLWW\*

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0
2.5°	962.9	963.3	963.3	963.3	963.6	963.6	963.6	963.6
5°	960.4	960.8	960.8	960.8	961.1	961.1	961.1	961.1
7.5°	956.0	956.4	956.4	956.7	956.7	957.1	957.1	957.5
10°	951.0	951.8	952.1	952.5	952.8	953.2	953.2	953.5
12.5°	945.6	946.3	946.7	947.4	948.1	948.5	948.8	949.3
15°	937.7	939.1	939.8	940.2	941.7	942.4	942.7	943.1
17.5°	925.1	927.9	929.0	929.7	931.2	932.7	933.7	934.1
20°	907.1	910.3	911.7	913.5	915.7	917.5	918.2	918.9
22.5°	881.8	885.4	887.6	889.7	891.6	893.3	896.2	895.1
25°	845.7	851.9	854.4	855.4	859.5	861.6	863.0	861.6
27.5°	805.3	809.0	811.1	813.6	816.6	818.7	819.4	821.6
30°	756.7	762.8	762.4	765.0	768.6	770.7	771.4	773.3
32.5°	706.3	709.1	711.3	710.9	712.3	716.3	714.9	718.1
35°	652.5	652.8	656.5	656.1	659.0	659.0	659.0	661.1
37.5°	595.2	599.5	597.7	602.0	600.6	601.7	601.7	602.4
40°	542.9	544.4	544.4	545.8	546.9	545.8	546.5	548.3
42.5°	488.9	490.3	490.6	489.9	491.0	494.3	491.7	493.9
45°	438.4	439.5	440.9	439.8	441.6	440.5	441.6	440.9
47.5°	390.8	390.4	390.0	393.0	390.4	390.8	392.2	389.7
50°	342.2	344.3	342.9	343.9	344.7	344.7	343.6	343.6
52.5°	298.8	298.5	297.4	298.5	297.8	298.1	298.8	298.1
55°	254.1	255.6	254.9	254.5	254.9	254.9	257.0	254.1
57.5°	210.2	209.5	210.5	213.0	210.5	212.3	213.4	213.8
60°	168.4	168.4	170.5	169.4	171.6	173.4	174.9	174.2
62.5°	128.3	130.1	130.9	131.3	133.4	134.8	134.8	134.5
65°	95.1	97.7	97.7	99.2	99.9	99.9	100.6	102.0
67.5°	70.3	70.3	70.6	71.3	71.0	71.0	71.8	72.1
70°	49.0	48.3	49.4	49.0	49.0	48.7	49.0	49.0
72.5°	31.0	31.0	31.4	31.0	30.3	30.7	30.7	31.4
75°	16.6	17.3	16.6	16.6	16.9	16.2	16.6	16.9
77.5°	6.9	6.9	6.9	6.9	6.9	6.5	6.5	6.5
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)