

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: P857477

Luminaire Tested: **LX4C25D010 EX4C259840 4LBLWW***

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857477
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 EX4C259840 4LBLWW*
Description:
Light Source: -
Ballast/Driver: -

Summary

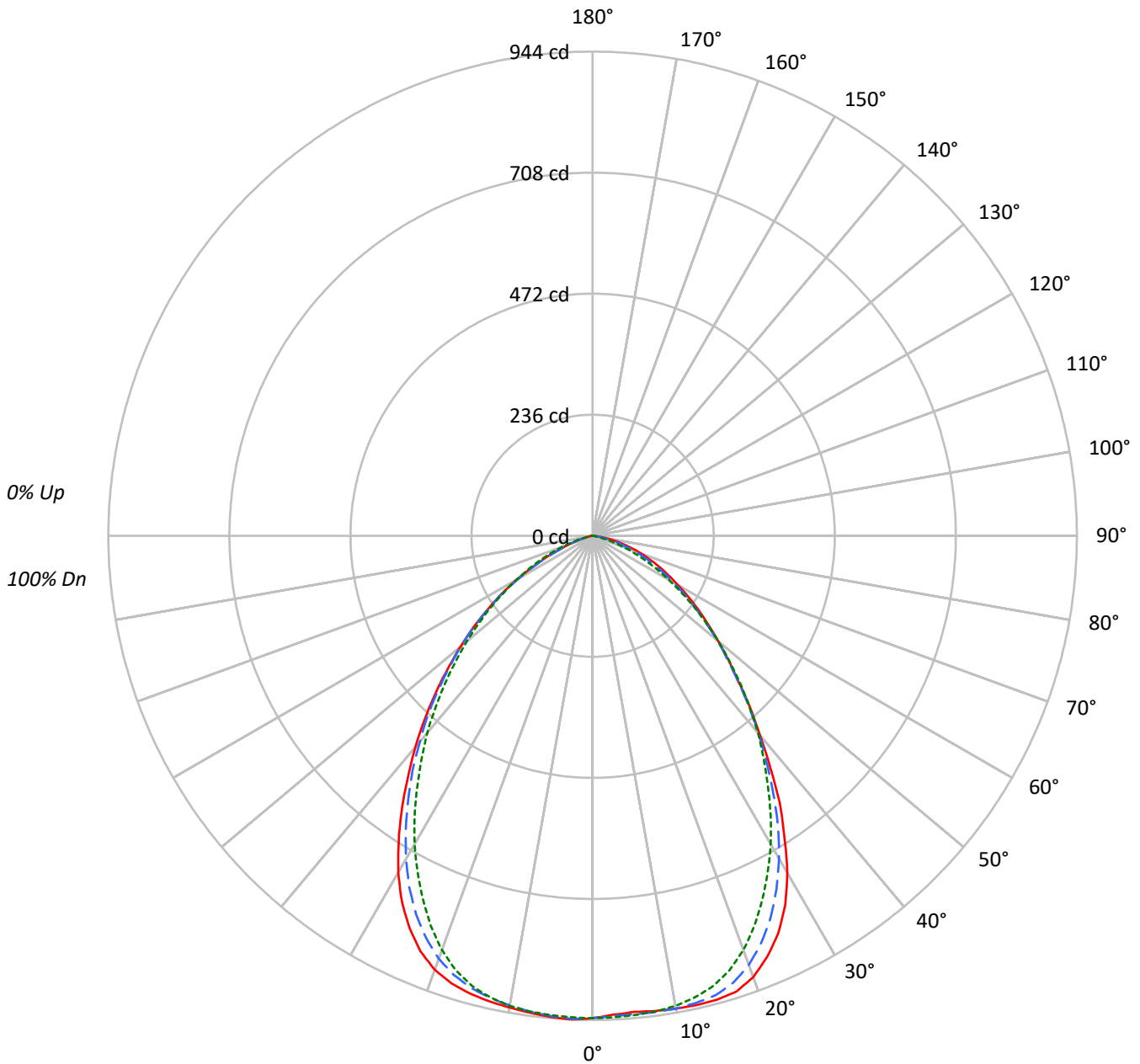
Lumens per Lamp: N/A
Luminaire Lumens: 1803.1 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V):
Input Current (A_{in}): 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: P857477

CATALOG NUMBER: LX4C25D010 EX4C259840 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			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°	115544	115544	115544
5°	114900	115677	116121
10°	116790	116091	116528
15°	119073	115575	117508
20°	119691	112343	117690
25°	115993	106084	114421
30°	107671	98450	107458
35°	95340	89296	97140
40°	81277	80427	86153
45°	69827	70626	75056
50°	60950	61084	64314
55°	53868	51598	53333
60°	47200	42090	41918
65°	41773	32645	29070
70°	35669	22450	17277
75°	28812	12057	7880
80°	19739	3042	2052
85°	6061	987	987



TEST NUMBER: P857477

CATALOG NUMBER: LX4C25D010 EX4C259840 4LBLWW*

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	5.0
10°-20°	258.8	14.4
20°-30°	373.9	20.7
30°-40°	386.5	21.4
40°-50°	319.4	17.7
50°-60°	220.4	12.2
60°-70°	115.4	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°	722.0	40.0
0°-40°	1108.5	61.5
0°-60°	1648.3	91.4
0°-90°	1803.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1803.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	940	940	940	940	940	
5°	932	936	938	940	942	89
15°	936	927	909	913	924	264
25°	856	821	783	814	844	391
35°	636	614	595	626	648	395
45°	402	400	406	425	432	313
55°	252	244	241	248	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: P857477

CATALOG NUMBER: LX4C25D010 EX4C259840 4LBLWW*

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5
2.5°	934.5	934.8	934.8	935.5	935.5	935.5	935.9	935.9	936.2	936.6	937.0
5°	931.7	931.7	932.4	932.8	933.5	933.7	934.5	934.8	935.5	935.9	936.2
7.5°	934.5	934.5	934.8	935.2	935.2	935.5	935.5	935.9	936.2	936.6	936.6
10°	936.2	936.2	936.2	936.2	936.6	936.6	936.6	936.2	936.2	936.2	935.9
12.5°	937.0	937.0	936.6	936.2	936.6	936.2	936.2	935.2	934.5	933.7	932.8
15°	936.2	936.2	935.9	935.5	935.2	934.5	934.1	932.4	931.0	928.8	927.4
17.5°	931.7	931.0	930.3	929.6	928.1	927.1	926.3	923.2	920.7	917.2	913.3
20°	915.5	914.7	913.7	911.9	910.1	908.7	906.6	902.0	899.5	894.2	890.3
22.5°	888.9	888.3	888.6	885.4	881.8	879.8	878.4	874.4	870.3	863.5	859.3
25°	855.7	853.6	853.6	848.7	846.9	845.5	843.8	839.1	832.8	826.7	821.1
27.5°	812.6	809.8	808.5	807.7	803.5	800.2	797.8	794.3	789.0	783.7	775.9
30°	759.0	758.6	756.8	753.7	750.5	749.1	746.2	740.2	735.3	731.4	726.5
32.5°	695.7	695.4	695.4	695.4	693.2	692.9	688.7	685.5	681.6	675.6	672.5
35°	635.7	635.4	635.7	630.4	629.0	628.0	627.6	625.5	620.2	617.4	614.5
37.5°	567.9	568.9	568.2	566.9	568.6	565.5	567.9	563.3	561.2	560.5	557.3
40°	506.8	509.6	506.8	507.1	508.9	505.7	505.7	505.0	503.7	502.9	502.2
42.5°	454.5	451.0	453.1	451.3	453.1	452.0	450.3	451.3	451.7	450.3	450.0
45°	401.9	402.6	403.3	402.3	402.3	401.2	404.0	402.3	402.3	402.6	400.1
47.5°	359.2	358.1	358.8	358.1	358.5	357.8	358.5	358.8	358.1	358.1	356.0
50°	318.9	318.2	320.7	318.5	318.5	318.2	318.5	317.8	316.8	316.8	317.5
52.5°	283.9	282.5	282.1	283.9	281.4	281.4	281.8	281.2	279.7	279.0	277.2
55°	251.5	251.1	251.5	250.0	249.3	249.3	247.5	246.8	246.5	244.8	243.7
57.5°	221.1	220.0	220.3	220.0	218.7	218.3	216.9	216.9	215.4	214.0	212.2
60°	192.1	192.1	193.2	191.8	190.7	190.0	189.3	188.6	186.1	183.6	181.6
62.5°	166.3	166.7	166.3	165.2	164.6	163.9	163.2	161.0	158.9	157.5	155.1
65°	143.7	143.4	142.3	141.6	139.8	139.8	138.5	137.4	134.9	132.8	130.3
67.5°	120.5	119.8	119.8	119.8	117.6	117.3	116.6	114.4	112.3	109.5	107.4
70°	99.3	100.0	98.9	97.8	96.8	96.4	95.3	93.3	90.8	87.9	86.1
72.5°	79.1	79.8	78.7	78.4	76.2	75.6	75.3	73.5	70.6	68.8	66.1
75°	60.7	61.1	60.4	59.7	58.2	58.0	56.2	54.8	53.0	50.1	47.7
77.5°	43.8	43.1	43.1	41.6	40.2	40.2	40.0	37.8	35.3	33.2	31.1
80°	27.9	27.6	26.5	25.8	24.7	24.3	24.0	22.3	20.5	19.1	17.7
82.5°	14.1	13.7	13.4	13.1	12.4	11.7	12.0	10.6	9.9	8.5	7.4
85°	4.3	4.5	4.5	4.3	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: P857477

CATALOG NUMBER: LX4C25D010 EX4C259840 4LBLWW*

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5
2.5°	937.3	937.7	938.0	938.4	938.4	938.7	939.1	939.5	939.8	939.8	940.2
5°	936.6	937.3	937.3	937.7	937.7	937.7	938.0	938.0	938.0	938.0	938.4
7.5°	937.0	937.0	937.0	936.6	936.6	936.2	936.2	936.2	935.5	935.5	935.5
10°	935.2	934.8	934.5	933.7	933.5	933.1	932.4	931.7	931.0	930.6	929.9
12.5°	931.7	930.3	928.8	927.4	926.7	926.3	924.9	923.9	922.9	921.8	921.1
15°	924.6	922.5	920.0	917.2	916.4	915.7	913.3	911.2	909.8	908.7	906.9
17.5°	910.5	906.3	903.4	899.1	897.4	896.7	892.8	890.7	888.3	887.6	886.1
20°	885.4	881.5	876.2	872.3	870.3	868.1	864.9	862.0	859.3	859.3	857.5
22.5°	853.9	849.0	842.3	837.3	837.0	832.8	829.9	826.7	825.8	823.6	823.6
25°	814.4	810.1	802.7	798.6	796.4	795.3	790.7	786.5	784.4	782.6	784.0
27.5°	770.6	764.2	758.6	753.3	751.6	749.4	745.2	743.4	739.5	739.2	738.8
30°	720.4	714.1	708.5	706.0	702.4	700.7	697.5	695.4	694.0	694.0	693.2
32.5°	667.8	662.2	659.4	654.1	652.3	649.8	647.7	645.6	646.3	645.6	646.0
35°	611.0	609.6	604.2	601.1	601.1	600.8	597.2	595.8	595.1	595.4	597.2
37.5°	557.0	552.7	549.2	547.1	548.9	546.7	546.4	546.4	548.5	547.1	549.8
40°	499.4	499.0	497.6	498.3	498.7	496.2	496.9	497.2	498.7	501.5	501.9
42.5°	449.3	448.9	448.9	448.9	448.2	446.8	448.2	450.7	450.3	452.4	454.2
45°	400.8	400.1	401.6	400.5	402.6	403.3	402.3	403.0	405.1	406.5	409.3
47.5°	356.7	356.7	357.1	357.8	355.6	357.4	358.1	359.6	360.6	361.3	362.7
50°	315.8	315.8	315.1	315.1	315.1	316.1	314.7	316.5	316.8	319.6	321.4
52.5°	278.0	276.2	277.2	276.5	275.1	274.4	275.1	275.5	277.6	278.3	280.5
55°	241.9	241.9	239.1	238.4	239.4	239.1	238.7	238.7	239.8	240.9	242.6
57.5°	210.1	208.0	205.9	205.5	204.5	204.8	204.8	204.5	203.8	204.1	204.5
60°	180.1	178.7	175.5	175.5	175.1	174.8	173.1	172.7	170.9	171.3	169.9
62.5°	152.6	151.9	147.6	146.2	146.2	145.2	143.4	143.0	140.5	140.5	139.1
65°	127.9	125.7	123.2	120.7	120.7	119.4	118.3	115.1	113.3	112.3	110.2
67.5°	105.2	102.1	99.6	97.5	96.0	95.7	93.3	91.1	88.3	86.5	83.4
70°	83.4	80.9	78.4	76.2	74.9	73.5	71.0	67.8	65.7	62.5	60.4
72.5°	62.9	60.7	58.6	55.8	54.0	53.0	50.5	47.7	44.1	42.0	39.2
75°	45.2	42.7	40.0	37.5	36.4	35.3	32.5	30.4	27.9	25.4	22.6
77.5°	29.3	26.5	24.3	21.6	21.2	20.5	17.7	15.5	13.7	12.4	10.6
80°	15.5	14.1	12.4	10.6	9.9	8.8	7.4	6.3	5.3	4.3	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: P857477

CATALOG NUMBER: LX4C25D010 EX4C259840 4LBLWW*

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5
2.5°	940.5	940.9	941.2	941.2	941.6	941.9	941.9	942.3	942.6	942.9	942.9
5°	938.7	938.7	938.7	939.1	939.1	939.1	939.1	939.8	939.8	940.2	940.5
7.5°	935.2	935.2	935.2	935.2	934.8	935.2	934.8	934.8	935.5	935.9	936.2
10°	929.6	929.2	929.2	928.8	928.8	928.8	929.2	929.6	929.9	930.3	931.3
12.5°	920.7	920.4	920.4	920.0	920.0	920.4	920.7	921.4	922.9	923.6	924.9
15°	906.6	906.3	906.6	906.9	907.6	908.7	909.8	910.8	913.0	914.7	916.4
17.5°	886.1	886.5	886.8	887.6	888.6	890.0	892.8	895.7	898.1	900.9	903.8
20°	857.9	859.3	859.6	862.0	862.8	866.0	869.2	873.4	877.3	880.8	884.7
22.5°	824.0	825.0	826.4	829.2	831.0	835.3	839.1	844.1	848.3	853.0	858.6
25°	785.4	785.8	790.1	790.1	794.3	797.8	802.4	807.7	814.1	820.0	824.0
27.5°	741.7	743.4	746.6	748.0	751.2	756.8	760.7	767.1	773.4	778.8	782.9
30°	695.7	697.2	702.4	703.1	705.6	710.5	715.9	721.9	726.9	732.8	736.8
32.5°	647.4	651.2	654.4	656.9	657.6	665.1	667.8	672.1	677.7	683.7	687.6
35°	600.4	602.2	606.7	608.2	610.3	614.5	620.2	623.7	626.5	630.4	635.0
37.5°	550.6	555.9	557.0	561.2	561.9	565.8	568.6	572.9	576.3	579.9	580.6
40°	504.4	506.1	510.0	511.1	511.8	517.0	520.6	521.7	523.4	526.6	530.9
42.5°	457.4	459.2	463.3	462.3	465.5	468.0	469.7	474.0	475.7	476.8	476.8
45°	411.1	411.8	414.7	416.0	417.8	419.2	422.4	424.5	425.2	428.4	429.5
47.5°	367.0	367.7	369.8	372.2	371.5	373.3	376.9	377.9	378.3	380.3	381.4
50°	323.5	325.3	328.1	327.4	329.5	330.6	333.8	334.5	334.5	334.8	335.1
52.5°	282.9	284.3	285.0	285.7	286.8	288.6	290.0	289.3	290.6	292.0	291.0
55°	242.6	243.7	245.5	246.1	246.1	246.5	245.8	249.0	247.5	247.2	247.5
57.5°	205.9	204.5	204.1	205.9	206.6	206.3	205.2	206.6	206.6	205.9	204.8
60°	170.2	169.2	168.8	169.2	167.7	166.7	167.4	166.7	165.0	164.3	164.6
62.5°	137.8	136.7	133.9	133.9	133.1	132.8	129.9	130.3	128.9	126.8	127.5
65°	107.7	104.9	103.4	103.1	100.7	98.5	97.8	95.3	93.3	92.9	93.3
67.5°	80.9	77.7	75.3	74.2	72.8	71.0	68.5	66.4	67.1	66.8	68.1
70°	56.2	54.0	51.5	49.8	50.5	48.4	47.0	47.0	47.4	47.7	48.4
72.5°	37.5	34.6	33.5	32.5	31.7	30.4	31.1	31.1	30.8	31.1	30.4
75°	21.2	19.8	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: P857477

CATALOG NUMBER: LX4C25D010 EX4C259840 4LBLWW*

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5
2.5°	943.3	943.6	943.6	943.6	944.0	944.0	944.0	944.0
5°	940.9	941.2	941.2	941.2	941.6	941.6	941.6	941.6
7.5°	936.6	937.0	937.0	937.3	937.3	937.7	937.7	938.0
10°	931.7	932.4	932.8	933.1	933.5	933.7	933.7	934.1
12.5°	926.3	927.1	927.4	928.1	928.8	929.2	929.6	929.9
15°	918.6	920.0	920.7	921.1	922.5	923.2	923.6	923.9
17.5°	906.3	909.0	910.1	910.8	912.3	913.7	914.7	915.1
20°	888.6	891.7	893.2	895.0	897.1	898.8	899.5	900.2
22.5°	863.8	867.4	869.5	871.6	873.4	875.2	878.0	876.9
25°	828.5	834.6	837.0	838.1	842.0	844.1	845.5	844.1
27.5°	789.0	792.5	794.6	797.1	799.9	802.0	802.7	804.9
30°	741.3	747.3	746.9	749.4	753.0	755.0	755.8	757.5
32.5°	691.9	694.7	696.8	696.5	697.9	701.7	700.4	703.5
35°	639.2	639.6	643.1	642.8	645.6	645.6	645.6	647.7
37.5°	583.1	587.3	585.5	589.8	588.4	589.4	589.4	590.2
40°	531.8	533.3	533.3	534.7	535.8	534.7	535.4	537.2
42.5°	478.9	480.3	480.6	479.9	481.0	484.2	481.7	483.9
45°	429.5	430.5	432.0	430.9	432.7	431.6	432.7	432.0
47.5°	382.8	382.5	382.1	385.0	382.5	382.8	384.3	381.8
50°	335.1	337.3	335.8	336.9	337.6	337.6	336.5	336.5
52.5°	292.8	292.4	291.3	292.4	291.7	292.0	292.8	292.0
55°	249.0	250.4	249.7	249.3	249.7	249.7	251.8	249.0
57.5°	205.9	205.2	206.3	208.8	206.3	208.0	209.1	209.5
60°	165.0	165.0	167.0	166.0	168.1	169.9	171.3	170.6
62.5°	125.7	127.5	128.2	128.6	130.6	132.1	132.1	131.7
65°	93.3	95.7	95.7	97.1	97.8	97.8	98.5	100.0
67.5°	68.8	68.8	69.2	69.9	69.6	69.6	70.3	70.6
70°	48.1	47.4	48.4	48.1	48.1	47.7	48.1	48.1
72.5°	30.4	30.4	30.8	30.4	29.7	30.1	30.1	30.8
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)