

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: P857439

Luminaire Tested: **LX4C25D010 EX4C259827 4LBLWWH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C25D010 EX4C259827 4LBLWWH
Description:
Light Source: -
Ballast/Driver: -

Summary

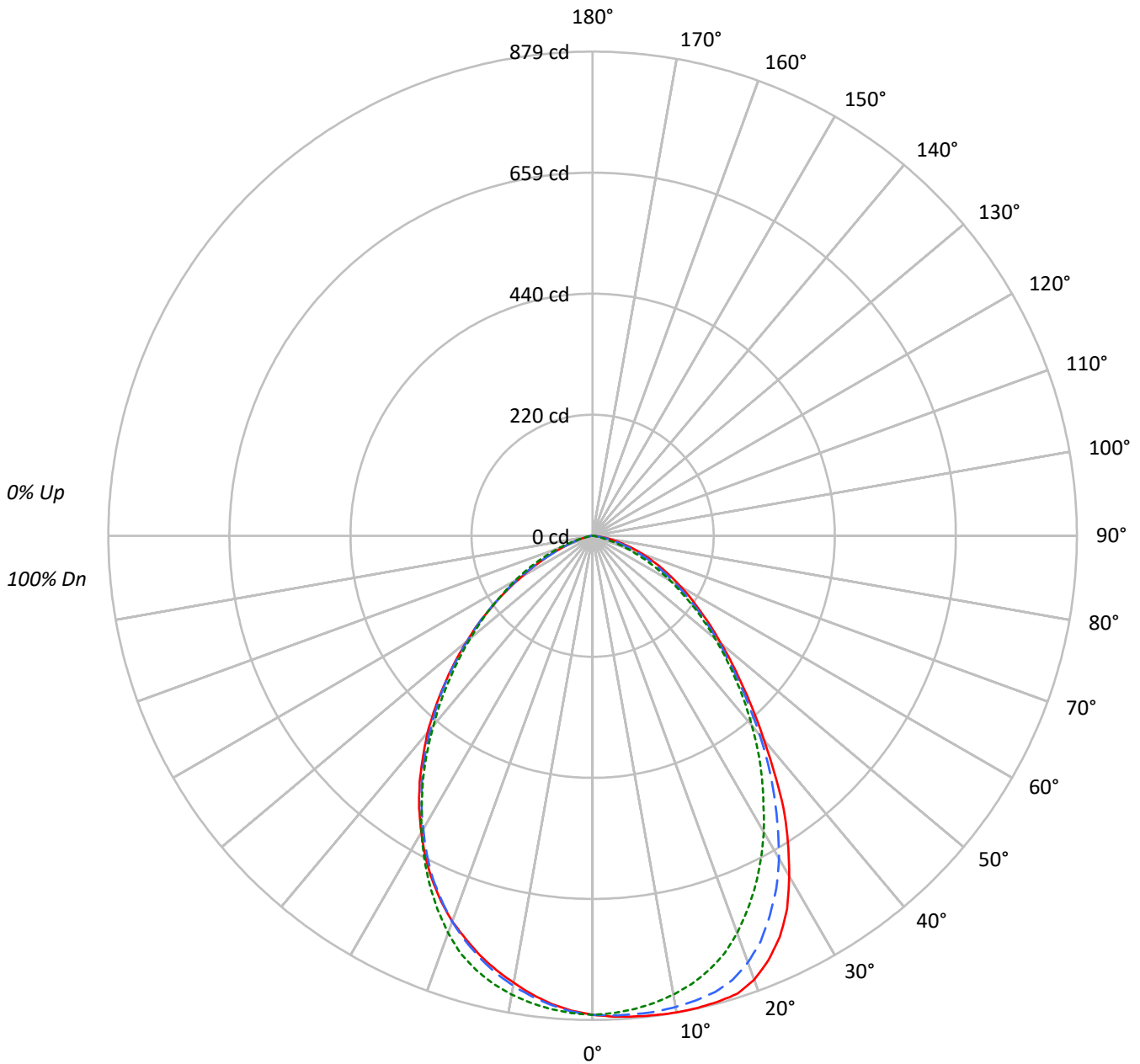
Lumens per Lamp: N/A
Luminaire Lumens: 1639.1 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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	108	105	102	99	101	98	96	97	95	93	94	92	90	88			88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			60
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53			53
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	59	53	49	47			47
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	44	43			43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39			39
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	47	41	37	35			35
10	59	47	39	34	58	46	39	34	45	39	34	44	38	34	43	38	34	32			32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	106846	106846	106846
5°	108031	106391	105231
10°	109617	105487	102818
15°	111416	103810	100363
20°	112134	100276	97400
25°	108917	94847	93397
30°	101216	88165	88208
35°	90601	80357	82082
40°	77573	72056	74686
45°	66769	63520	65900
50°	58045	55312	56956
55°	51084	47571	47143
60°	45431	39706	36561
65°	39854	31802	26453
70°	34232	22450	17888
75°	27768	13053	10490
80°	19880	5660	5235
85°	7612	2396	2396



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	5.0
10°-20°	232.0	14.2
20°-30°	331.3	20.2
30°-40°	346.6	21.1
40°-50°	290.4	17.7
50°-60°	203.2	12.4
60°-70°	110.7	6.8
70°-80°	38.4	2.3
80°-90°	4.4	0.3
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°	645.3	39.4
0°-40°	991.9	60.5
0°-60°	1485.5	90.6
0°-90°	1639.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1639.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	870	870	870	870	870	
5°	876	872	863	855	853	84
15°	876	858	816	793	789	247
25°	804	761	700	686	689	367
35°	604	574	536	540	547	375
45°	384	376	366	378	379	299
55°	238	230	222	222	220	215
65°	137	125	109	92	91	137
75°	58	48	28	22	22	63
85°	5	3	2	2	2	10
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°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7
2.5°	873.7	872.7	873.0	873.0	873.0	872.7	873.0	872.7	872.7	872.4	871.7
5°	876.0	875.4	875.4	875.4	875.1	874.7	874.7	874.4	873.7	873.4	872.0
7.5°	877.7	877.0	877.0	876.8	876.4	876.0	875.7	874.7	873.7	873.0	871.4
10°	878.7	877.7	877.7	877.0	876.4	876.0	875.4	874.1	872.7	871.1	868.7
12.5°	878.1	877.0	876.8	876.0	874.7	874.1	873.4	871.7	869.4	867.0	864.0
15°	876.0	875.4	874.7	873.7	872.0	871.1	870.3	867.7	864.7	861.3	857.7
17.5°	872.0	871.1	869.7	868.4	866.1	865.0	863.4	860.0	855.6	851.0	845.3
20°	857.7	857.0	855.6	853.3	849.7	848.3	846.0	841.6	835.9	830.2	824.2
22.5°	834.0	832.9	830.9	828.9	825.6	823.2	821.2	815.1	808.8	802.8	797.1
25°	803.5	802.5	799.8	797.1	793.7	789.7	787.8	783.0	776.7	769.0	760.7
27.5°	764.3	761.0	760.0	757.0	751.9	750.6	747.6	741.6	735.6	728.9	721.9
30°	713.5	713.5	711.5	710.2	705.5	704.1	700.8	694.4	691.1	681.7	676.4
32.5°	659.6	659.0	657.3	656.3	653.6	651.2	647.9	644.6	637.2	632.5	625.2
35°	604.1	600.1	600.8	598.7	597.1	594.4	594.1	590.4	583.7	581.1	574.4
37.5°	540.9	539.2	541.6	538.5	536.9	537.2	534.5	532.2	529.5	524.8	523.5
40°	483.7	485.0	484.7	482.0	483.3	481.7	479.0	476.6	475.3	472.4	471.3
42.5°	432.5	430.5	429.8	429.8	430.2	430.2	428.8	427.1	427.1	424.1	421.2
45°	384.3	384.3	383.7	385.7	382.6	382.6	381.7	381.3	380.0	379.3	375.6
47.5°	342.9	342.5	342.2	341.9	341.5	341.5	339.5	337.9	337.5	335.5	333.5
50°	303.7	305.8	305.1	303.4	302.7	303.1	301.7	300.7	300.3	297.0	297.4
52.5°	270.9	270.6	271.3	270.3	268.6	268.9	267.6	266.3	264.9	263.2	261.9
55°	238.5	240.1	239.5	238.5	238.2	237.5	236.5	234.8	234.5	230.8	230.5
57.5°	211.4	211.1	210.4	208.8	208.4	207.4	207.4	206.1	204.0	202.1	200.4
60°	184.9	184.9	184.0	183.6	182.3	182.0	181.6	180.3	178.0	176.3	173.6
62.5°	159.5	160.2	159.5	158.6	157.6	156.2	155.5	154.5	152.6	150.9	148.5
65°	137.1	136.8	136.4	135.1	134.8	133.5	133.1	131.1	129.1	127.8	125.1
67.5°	115.7	114.8	114.8	114.1	113.4	112.4	111.7	109.7	107.4	106.0	103.4
70°	95.3	94.7	94.7	94.7	93.0	92.0	91.7	90.7	87.3	86.0	83.3
72.5°	76.6	76.2	76.0	74.9	73.9	73.9	72.6	70.5	68.9	67.2	65.2
75°	58.5	59.2	58.5	57.2	56.9	56.2	55.2	53.5	51.8	49.8	47.5
77.5°	42.8	42.2	41.5	41.5	40.8	39.5	39.1	37.8	35.8	34.4	32.1
80°	28.1	27.7	27.1	26.4	26.1	25.8	25.4	24.1	22.1	21.0	19.1
82.5°	15.4	15.1	15.1	14.7	13.7	13.7	13.4	12.0	11.1	10.3	9.4
85°	5.4	5.4	5.4	5.0	5.0	5.0	4.7	4.4	4.0	3.7	3.0
87.5°	0.7	0.4	0.7	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4
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°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7
2.5°	871.1	870.3	870.1	869.7	869.4	869.0	868.7	868.0	867.7	867.4	866.7
5°	871.1	869.7	869.0	868.0	867.4	866.7	865.7	864.7	863.7	862.7	861.7
7.5°	869.7	867.7	866.3	864.4	863.7	862.7	860.7	859.4	857.7	855.6	853.3
10°	866.3	864.0	861.3	858.7	857.7	856.0	853.3	851.0	848.3	845.6	843.3
12.5°	861.0	857.3	854.0	850.3	848.3	846.6	843.0	839.6	836.3	833.2	829.2
15°	853.0	848.7	844.3	839.3	836.9	834.9	829.6	825.6	820.2	816.2	812.2
17.5°	839.9	833.2	827.9	821.6	818.2	815.9	811.1	804.8	799.8	795.4	790.8
20°	817.5	811.1	803.8	796.8	793.1	790.1	783.4	776.7	771.7	767.0	762.0
22.5°	788.1	780.1	774.7	766.0	763.0	759.3	751.3	745.2	739.6	734.9	730.2
25°	752.3	745.2	737.9	729.9	726.2	721.9	715.2	708.8	705.1	699.7	694.1
27.5°	711.2	705.5	696.5	689.4	685.7	682.4	676.0	670.3	665.0	661.3	656.0
30°	667.6	661.0	652.9	645.6	643.6	639.6	633.9	629.6	623.9	621.5	619.1
32.5°	619.8	612.2	606.1	601.4	597.4	594.1	591.0	584.0	583.0	577.0	576.3
35°	567.7	564.3	558.6	554.6	551.3	549.0	543.9	540.6	536.9	535.8	533.5
37.5°	518.5	514.4	509.1	505.4	503.1	502.8	499.1	497.1	494.4	493.0	490.4
40°	467.0	465.3	460.6	460.0	456.3	455.9	453.9	451.6	449.3	449.3	449.5
42.5°	419.5	417.4	415.5	413.1	411.1	411.1	410.1	409.4	408.8	407.8	409.4
45°	375.0	372.3	371.0	368.6	369.6	367.6	367.0	367.0	366.0	365.6	367.9
47.5°	333.5	330.5	329.1	328.5	328.5	328.8	325.8	326.8	326.5	327.2	328.2
50°	295.7	293.0	291.0	291.0	291.3	290.0	288.7	289.6	288.7	289.4	291.7
52.5°	260.6	257.9	256.9	256.9	254.9	254.6	255.2	253.9	254.2	254.6	255.9
55°	228.1	226.4	224.8	223.1	223.5	222.8	221.4	221.1	221.8	222.1	223.7
57.5°	199.0	196.7	194.3	193.7	193.0	193.0	191.4	191.0	191.6	190.0	190.0
60°	171.3	170.0	166.9	166.0	166.0	164.3	162.9	163.5	161.9	161.6	161.9
62.5°	145.5	144.5	142.5	140.4	139.8	139.1	137.5	136.8	136.2	134.8	132.8
65°	123.1	120.7	118.4	117.1	116.1	114.4	113.4	112.1	110.0	109.4	107.4
67.5°	100.7	98.4	96.0	95.0	94.0	93.0	91.3	89.6	87.3	84.6	82.3
70°	81.0	77.9	76.6	73.9	73.2	71.9	69.6	67.9	65.5	62.5	60.2
72.5°	61.9	59.8	57.9	55.6	53.9	52.9	50.8	48.2	45.5	43.8	41.5
75°	44.5	43.5	40.8	38.2	37.5	36.1	33.8	32.1	30.1	27.5	25.4
77.5°	30.1	28.1	26.4	24.1	23.5	22.1	20.8	19.1	17.7	16.1	14.7
80°	17.7	16.1	15.1	13.4	12.8	12.0	11.1	9.7	8.7	8.0	7.7
82.5°	8.7	7.4	7.0	6.1	5.7	5.4	4.7	4.4	3.7	3.7	3.7
85°	3.0	2.3	2.3	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4
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°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7
2.5°	866.3	866.1	865.7	865.3	865.3	865.0	865.0	864.7	864.7	864.4	864.4
5°	860.4	859.4	858.7	858.0	858.0	857.0	856.3	855.6	855.4	855.4	854.6
7.5°	852.0	850.6	849.3	848.3	848.0	846.3	844.9	844.9	843.6	843.0	842.3
10°	840.9	838.6	836.6	835.6	834.2	833.2	831.5	830.6	829.6	827.9	827.5
12.5°	825.8	824.2	821.2	819.9	819.2	817.2	814.5	813.2	812.8	811.5	810.5
15°	808.8	805.2	802.5	800.8	800.8	797.5	796.1	794.1	792.8	791.8	791.4
17.5°	786.8	783.0	780.4	778.0	777.4	774.7	772.7	772.1	770.4	771.0	769.4
20°	758.3	755.3	753.3	750.3	750.3	748.6	747.9	746.3	745.6	745.0	745.6
22.5°	727.8	724.2	720.9	720.5	720.5	718.2	717.9	717.5	716.2	717.1	716.9
25°	692.1	689.4	687.4	687.1	687.1	685.7	684.4	685.0	686.1	685.7	686.7
27.5°	655.0	652.3	651.6	651.2	650.6	650.3	651.0	651.0	652.0	653.3	654.6
30°	614.9	614.1	613.2	612.8	612.2	613.8	614.5	615.5	615.1	617.2	618.5
32.5°	574.6	573.3	573.0	573.7	574.6	574.4	576.3	577.0	577.7	580.0	581.1
35°	534.2	533.9	533.2	533.2	533.5	536.2	536.2	538.5	539.9	540.6	543.2
37.5°	490.7	492.1	492.7	493.8	494.0	495.1	495.7	498.0	499.4	500.7	502.1
40°	450.9	450.2	453.3	451.2	451.9	455.0	456.3	455.9	457.9	460.0	461.3
42.5°	408.4	409.4	410.1	410.7	412.4	412.8	414.5	416.8	417.4	419.8	420.5
45°	367.3	367.6	368.9	370.3	371.3	374.0	374.6	375.6	377.7	377.7	378.6
47.5°	328.5	329.9	329.9	331.8	333.5	333.2	335.5	336.2	335.8	337.5	338.1
50°	291.3	293.4	293.0	294.4	295.0	295.3	297.4	298.0	296.7	298.4	298.7
52.5°	255.9	256.9	258.2	258.6	257.9	259.6	258.9	260.2	259.9	261.3	259.9
55°	223.5	223.1	223.1	223.7	223.1	223.7	224.5	223.1	222.1	223.5	223.1
57.5°	191.0	191.0	190.3	191.4	190.3	189.3	189.0	188.0	187.0	187.0	186.6
60°	160.6	159.9	158.6	158.2	158.2	156.6	155.9	154.5	154.5	153.2	151.9
62.5°	132.2	130.5	129.5	129.5	128.8	127.1	124.1	122.1	121.5	119.4	119.0
65°	105.4	103.7	102.7	100.7	99.0	98.4	95.3	93.0	92.0	90.0	90.3
67.5°	81.0	78.3	75.3	73.9	72.9	70.5	69.6	67.9	66.9	66.9	66.9
70°	58.2	55.8	52.9	51.8	51.2	49.1	48.2	47.8	48.9	48.5	48.9
72.5°	39.1	36.8	35.5	34.8	34.2	33.1	33.8	34.2	33.4	33.8	34.2
75°	23.7	23.1	22.1	21.8	21.8	22.1	21.8	21.8	22.1	22.1	22.4
77.5°	13.7	13.0	13.0	12.8	13.4	13.0	13.0	13.0	13.4	13.4	13.4
80°	7.4	7.4	7.4	7.4	7.7	7.4	7.7	7.7	7.7	7.7	7.7
82.5°	3.7	3.7	3.7	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.7
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	0.4	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4
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: P857439

CATALOG NUMBER: LX4C25D010 EX4C259827 4LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7
2.5°	863.7	863.7	863.7	863.0	863.4	863.4	863.0	863.0
5°	854.3	854.0	853.3	853.3	852.7	853.3	853.0	853.3
7.5°	841.6	841.6	840.6	840.6	840.3	839.9	839.6	839.9
10°	826.6	826.6	825.8	825.6	825.8	824.5	824.5	824.2
12.5°	809.8	809.2	808.5	808.8	808.5	807.5	807.1	807.5
15°	790.4	789.5	789.7	788.7	788.7	788.4	789.1	789.1
17.5°	769.0	768.3	767.7	768.1	767.3	767.7	767.3	767.0
20°	745.2	745.0	745.0	743.6	743.9	743.6	743.9	745.0
22.5°	717.9	717.5	717.9	716.9	717.5	717.5	718.5	718.5
25°	687.7	687.4	688.1	688.4	688.8	689.8	688.8	689.0
27.5°	654.3	655.3	656.3	656.6	657.9	656.9	656.3	657.3
30°	620.5	620.5	620.2	621.5	622.5	623.5	621.8	621.8
32.5°	581.7	583.4	583.4	583.7	584.7	584.7	584.7	586.1
35°	544.6	545.6	545.9	544.6	545.2	544.9	547.3	547.3
37.5°	503.1	503.1	503.4	505.8	505.8	504.7	505.4	505.4
40°	463.6	464.0	462.6	463.3	465.0	464.3	465.0	465.7
42.5°	420.5	422.8	421.4	422.2	421.8	422.2	422.5	422.5
45°	379.3	380.0	380.0	380.3	381.0	381.7	379.7	379.3
47.5°	339.2	339.5	340.6	338.9	340.8	338.9	340.8	338.5
50°	298.7	300.1	299.0	299.7	298.7	298.7	298.4	298.0
52.5°	260.2	259.9	259.9	259.6	259.6	260.2	259.6	260.6
55°	221.8	222.1	221.4	221.1	220.8	221.8	220.8	220.1
57.5°	185.3	186.0	184.7	185.3	183.0	184.0	184.3	184.7
60°	151.5	150.5	150.5	149.2	149.2	150.2	148.8	148.8
62.5°	117.4	118.1	117.1	118.4	118.4	119.8	119.0	119.8
65°	90.0	90.3	90.7	90.7	90.7	92.7	92.0	91.0
67.5°	67.9	68.2	68.6	68.2	69.2	68.6	68.6	68.9
70°	49.1	49.5	49.8	49.8	49.5	49.8	49.8	49.8
72.5°	34.2	34.4	34.2	34.4	34.8	34.4	34.4	34.8
75°	22.4	22.4	22.1	22.1	22.1	22.1	22.4	22.1
77.5°	13.0	13.4	13.0	13.4	13.4	13.4	13.4	13.4
80°	7.7	7.7	7.7	7.4	7.7	7.7	7.7	7.4
82.5°	4.0	4.0	3.7	3.7	4.0	4.0	4.0	4.0
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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)