

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: P844118

Luminaire Tested: **LD6C20DE010B2750 EU6C20B30 6LBLWWH**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B2750 EU6C20B30 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

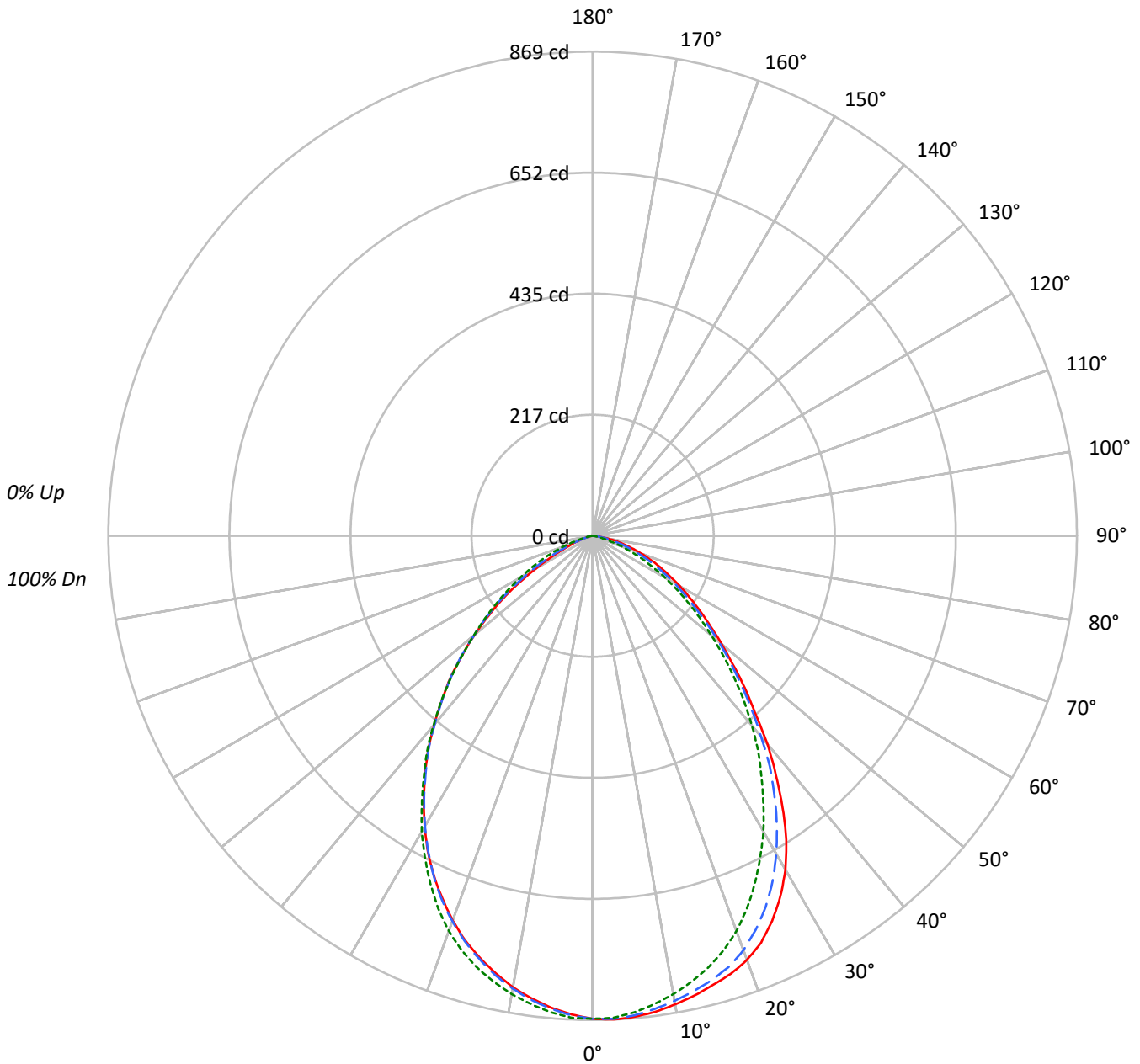
Lumens per Lamp: N/A
Luminaire Lumens: 1576.9 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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

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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	90	85	91	87	83	88	85	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54																			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39																			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	47524	47524	47524
5°	47689	47259	46792
10°	47544	46492	45807
15°	47367	45528	44472
20°	47260	44028	42855
25°	46110	41664	40750
30°	43811	38810	38170
35°	39766	35342	35108
40°	34894	31802	31638
45°	29910	27786	28018
50°	25739	23684	23564
55°	22499	19995	18771
60°	19779	16380	12817
65°	17317	12699	7705
70°	14762	8543	4520
75°	11925	4427	2457
80°	8271	1736	1357
85°	3334	503	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	5.2
10°-20°	226.8	14.4
20°-30°	322.8	20.5
30°-40°	339.8	21.5
40°-50°	283.1	18.0
50°-60°	191.3	12.1
60°-70°	97.0	6.2
70°-80°	31.3	2.0
80°-90°	3.6	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°	630.9	40.0
0°-40°	970.6	61.6
0°-60°	1445.0	91.6
0°-90°	1576.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1576.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	867	867	867	867	867	
5°	867	864	859	852	850	82
15°	835	826	802	786	784	236
25°	762	735	689	675	674	349
35°	594	569	528	523	525	370
45°	386	376	358	360	361	299
55°	235	224	209	203	196	212
65°	134	120	98	71	59	133
75°	56	44	21	11	12	61
85°	5	3	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°	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9
2.5°	869.0	869.0	869.0	869.0	869.0	869.0	868.6	868.6	868.1	868.1	867.8
5°	866.6	866.9	866.9	866.6	866.6	866.1	866.1	865.8	864.9	864.3	864.0
7.5°	861.7	861.7	861.4	861.1	860.8	860.0	859.6	858.8	858.2	857.6	856.5
10°	854.1	854.1	853.8	853.2	853.0	852.3	852.3	851.2	850.0	848.5	847.7
12.5°	845.0	845.4	844.8	844.5	843.7	843.4	842.7	841.2	840.4	838.7	837.2
15°	834.6	835.2	835.2	834.0	833.1	832.9	831.9	831.1	829.1	827.3	825.6
17.5°	824.4	825.0	824.4	823.5	822.6	821.5	820.9	819.1	816.5	814.2	811.5
20°	810.1	811.0	809.8	808.3	806.7	806.3	805.5	802.5	798.7	795.2	791.4
22.5°	790.1	789.4	788.6	787.9	785.1	783.3	782.1	778.3	774.3	769.6	765.0
25°	762.3	763.5	761.7	759.2	757.7	755.9	753.0	748.9	745.1	740.1	734.6
27.5°	729.7	729.7	727.3	726.5	723.3	721.0	719.5	715.4	710.4	705.5	699.4
30°	692.1	690.3	690.3	686.3	683.7	682.8	681.3	674.6	670.2	665.0	658.9
32.5°	646.6	646.3	645.2	642.5	639.0	636.2	636.2	631.5	625.7	619.2	615.4
35°	594.2	594.5	593.9	591.0	591.0	587.5	586.9	582.9	578.1	573.2	568.6
37.5°	540.0	541.2	540.0	538.5	537.6	537.4	534.7	531.8	528.3	525.4	521.9
40°	487.6	485.8	486.4	483.4	483.8	483.1	482.0	478.2	476.1	473.3	469.5
42.5°	431.0	432.8	433.3	431.6	431.0	429.8	431.0	429.5	427.2	425.7	422.2
45°	385.8	384.0	385.0	384.3	384.7	382.3	381.5	380.9	380.0	377.4	375.9
47.5°	341.0	341.2	341.0	339.8	339.2	339.2	338.0	336.3	336.3	334.5	333.4
50°	301.8	301.8	302.5	301.0	300.5	299.3	299.5	297.8	296.7	295.2	294.3
52.5°	266.1	266.3	265.1	265.5	264.9	264.9	263.8	262.6	261.3	258.8	258.2
55°	235.4	235.7	234.3	234.9	233.1	232.3	231.6	229.9	229.9	227.3	224.1
57.5°	206.9	206.6	206.3	205.4	204.2	203.4	202.5	200.5	199.6	197.9	195.2
60°	180.4	180.1	179.5	179.2	178.3	176.3	176.3	174.8	172.0	170.2	167.5
62.5°	155.4	155.4	155.0	154.2	153.3	152.4	151.9	150.6	147.8	145.7	143.4
65°	133.5	133.2	132.3	130.8	130.3	130.3	128.2	127.3	125.0	123.0	120.4
67.5°	112.5	111.4	110.7	111.1	109.3	109.3	107.6	106.1	104.1	100.6	98.5
70°	92.1	91.5	91.0	90.3	90.0	88.8	88.0	86.3	84.2	81.5	78.4
72.5°	73.7	73.7	72.9	72.2	71.4	70.2	69.7	68.2	65.9	62.9	60.6
75°	56.3	56.3	56.3	55.1	54.5	53.9	52.1	51.3	48.7	47.0	44.0
77.5°	41.4	40.8	39.9	39.7	39.0	38.5	37.5	36.2	33.8	31.7	30.0
80°	26.2	27.1	26.2	26.2	24.7	24.2	23.9	22.1	21.3	19.6	18.1
82.5°	14.6	14.9	14.3	14.0	13.1	12.8	12.8	11.6	11.1	9.9	9.0
85°	5.3	5.5	5.3	5.3	4.7	5.0	4.7	4.3	3.8	3.2	3.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9
2.5°	867.8	867.3	867.3	866.9	866.6	866.6	866.6	866.3	865.8	865.8	865.5
5°	863.5	862.8	862.0	861.4	861.1	860.8	860.5	860.3	859.1	858.8	858.0
7.5°	855.6	855.0	853.5	853.0	852.0	851.8	850.7	850.0	848.9	847.7	847.2
10°	846.2	844.8	843.7	842.2	841.6	840.7	839.2	837.5	836.6	835.2	834.0
12.5°	835.7	834.0	831.7	829.9	829.4	827.9	825.6	824.1	822.1	819.8	817.7
15°	822.6	820.6	818.6	815.3	814.5	812.7	810.4	807.5	804.5	802.2	799.9
17.5°	808.3	805.2	802.0	798.4	795.9	794.9	791.2	787.1	784.4	780.4	777.8
20°	788.3	783.9	778.6	775.1	772.8	770.2	765.8	761.5	758.2	754.7	750.9
22.5°	760.5	756.5	750.4	745.1	743.4	739.6	735.8	731.8	727.7	723.8	719.2
25°	728.0	723.5	717.4	712.2	709.2	707.6	700.3	696.1	692.1	688.8	685.7
27.5°	694.4	686.5	682.5	674.3	671.7	671.1	664.4	660.1	655.6	651.3	647.2
30°	653.1	647.0	640.8	635.0	631.5	629.4	624.5	618.9	616.1	613.1	609.1
32.5°	610.3	604.6	597.1	591.5	588.9	586.0	581.7	577.9	573.4	570.3	569.4
35°	564.5	558.3	551.9	547.9	547.2	543.7	539.4	536.2	532.9	528.1	527.1
37.5°	515.5	512.0	507.7	501.8	499.2	499.2	494.8	492.4	488.4	488.1	485.8
40°	467.4	466.0	459.2	457.5	456.9	452.9	451.7	447.6	444.7	444.4	440.9
42.5°	419.9	416.2	415.0	412.1	409.4	408.9	406.2	404.4	403.3	401.6	399.8
45°	372.7	371.9	368.9	366.9	366.0	364.9	363.9	360.4	359.9	358.4	357.6
47.5°	331.9	329.6	326.9	324.6	324.4	322.6	320.6	320.6	317.3	317.1	316.4
50°	291.4	289.7	288.2	285.0	285.6	283.2	282.9	280.4	278.9	277.7	279.2
52.5°	255.8	252.4	251.8	249.2	248.2	248.5	245.4	244.5	243.9	242.7	242.2
55°	222.1	220.3	218.0	216.2	214.8	213.3	212.2	212.2	209.0	209.2	207.8
57.5°	192.3	190.9	187.9	185.3	184.8	183.0	181.6	180.1	179.8	177.8	176.3
60°	165.8	163.2	159.4	158.2	156.5	155.0	153.6	151.9	150.9	149.4	146.9
62.5°	141.1	136.6	135.2	132.8	130.8	130.0	127.7	125.6	124.2	122.1	120.0
65°	117.4	114.2	111.6	108.9	108.7	106.4	104.3	102.6	99.6	97.9	94.1
67.5°	95.8	93.0	90.0	87.5	85.4	84.8	81.5	79.5	77.5	74.0	70.9
70°	76.0	73.2	70.9	67.6	66.7	64.4	62.1	60.1	56.6	53.3	50.7
72.5°	58.0	54.8	52.1	49.8	48.3	46.3	44.0	41.7	38.2	35.0	32.7
75°	41.4	39.0	36.4	34.1	32.9	31.7	29.2	26.5	24.2	20.9	18.9
77.5°	28.0	25.6	23.3	21.3	19.8	18.9	17.2	15.1	13.1	11.3	9.9
80°	16.3	14.9	13.1	11.3	11.1	10.2	8.8	7.6	6.5	5.5	4.3
82.5°	7.8	7.0	5.8	5.0	4.3	4.1	3.5	3.0	2.3	2.0	2.0
85°	2.3	2.0	1.8	1.5	1.2	1.2	0.8	0.8	0.8	0.8	0.8
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9
2.5°	864.6	864.3	864.0	863.8	863.1	863.1	862.3	861.7	861.7	861.1	860.8
5°	857.0	856.2	855.8	855.3	854.7	854.4	853.2	853.0	852.3	851.8	851.8
7.5°	846.2	845.0	843.9	843.4	843.0	842.2	841.6	841.2	840.4	839.9	838.7
10°	831.9	831.1	829.6	829.1	828.4	827.9	826.4	825.6	825.3	824.6	824.1
12.5°	815.3	814.2	812.7	811.5	811.0	810.1	808.7	807.8	807.8	806.7	806.7
15°	797.6	795.9	793.2	792.1	791.7	790.1	788.9	787.7	786.2	785.6	785.6
17.5°	774.8	772.0	769.6	769.6	768.5	766.7	765.0	764.0	763.2	762.0	761.5
20°	748.1	746.1	743.4	743.4	740.8	740.1	738.4	738.1	736.1	736.4	735.5
22.5°	715.7	714.5	713.1	711.9	710.4	708.7	707.9	708.1	707.2	706.9	706.7
25°	683.0	679.8	678.2	677.5	677.0	675.5	674.9	674.6	674.6	673.7	674.0
27.5°	645.5	643.1	640.8	641.7	640.5	639.7	639.0	638.2	638.8	638.5	638.8
30°	607.0	604.1	602.6	603.2	603.0	600.6	601.8	601.5	601.8	601.8	602.3
32.5°	566.5	564.5	564.1	564.5	561.8	562.1	561.0	562.7	563.0	564.8	563.3
35°	525.4	524.3	522.2	521.9	522.2	521.9	521.9	523.1	522.8	524.6	524.0
37.5°	483.1	482.6	480.5	481.1	480.0	482.0	482.6	482.0	484.1	483.4	483.1
40°	441.8	440.9	439.8	442.1	440.6	439.4	441.5	439.8	440.3	442.1	442.1
42.5°	399.8	398.3	398.3	398.3	398.1	398.1	398.9	399.8	399.3	399.5	401.9
45°	357.6	357.3	356.4	357.0	356.6	358.1	358.1	358.7	359.9	361.1	360.4
47.5°	316.8	316.1	317.1	316.4	316.8	315.9	316.4	318.2	319.7	317.6	319.7
50°	278.6	277.4	277.1	278.1	277.7	277.4	278.1	278.1	277.4	277.4	279.4
52.5°	242.2	241.0	240.1	241.6	240.7	241.0	239.9	239.9	240.4	239.9	238.9
55°	208.0	207.2	206.0	206.6	205.2	204.9	203.7	203.7	202.9	202.2	200.5
57.5°	175.5	174.8	172.2	172.0	172.2	170.2	168.2	167.3	164.9	164.4	164.0
60°	146.6	143.4	141.9	140.1	139.0	138.1	135.8	134.3	130.8	128.8	128.5
62.5°	116.6	115.1	113.4	110.7	110.1	107.2	104.9	101.1	99.4	96.8	94.1
65°	92.3	88.6	86.0	84.5	82.2	79.5	76.9	72.9	70.9	67.6	64.9
67.5°	67.6	64.4	60.9	59.8	57.7	54.5	51.8	48.3	46.6	43.7	42.8
70°	46.3	43.5	40.8	39.0	37.5	34.4	31.7	30.6	28.9	28.2	28.2
72.5°	29.7	27.1	24.2	23.3	22.1	20.4	18.6	18.1	18.6	18.4	18.4
75°	16.6	15.1	13.1	12.3	12.3	11.6	11.3	11.3	11.3	11.3	11.3
77.5°	8.5	7.6	7.0	6.7	6.7	6.7	7.0	7.0	7.0	7.3	7.0
80°	4.1	3.8	3.8	3.8	4.1	4.1	4.1	4.1	4.1	4.3	4.1
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.3	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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: P844118

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9
2.5°	860.5	860.0	860.0	859.6	859.6	859.6	859.6	860.0
5°	851.2	850.9	850.9	850.3	850.3	850.3	850.3	850.3
7.5°	838.7	838.1	838.4	837.8	837.8	838.1	837.8	837.5
10°	823.3	822.9	823.3	823.3	822.6	822.3	822.6	822.9
12.5°	805.7	805.5	804.9	805.2	805.2	804.9	804.5	804.0
15°	785.3	785.1	784.8	784.4	784.1	784.4	784.1	783.6
17.5°	761.5	761.5	761.2	760.9	760.5	760.0	760.3	761.2
20°	735.8	735.5	734.9	735.3	734.1	733.5	733.8	734.6
22.5°	706.4	705.5	706.1	705.2	705.2	705.5	705.2	704.6
25°	674.3	673.2	673.7	674.0	674.0	673.7	673.4	673.7
27.5°	638.8	639.7	639.7	639.0	640.0	638.8	639.3	639.7
30°	602.3	601.5	601.2	602.3	604.1	602.6	602.6	603.0
32.5°	564.8	563.6	563.6	564.1	563.8	563.8	565.0	563.6
35°	524.6	525.1	522.8	524.3	524.8	524.3	524.6	524.6
37.5°	484.1	483.4	483.4	483.4	484.3	484.3	484.9	484.6
40°	444.1	442.9	442.6	443.3	442.1	442.9	442.9	442.1
42.5°	400.9	401.3	402.7	401.3	401.6	401.3	400.7	400.4
45°	361.1	361.9	361.4	361.1	361.4	360.2	360.4	361.4
47.5°	318.8	320.6	318.8	319.9	319.7	319.1	318.6	317.3
50°	279.2	279.7	279.4	279.2	278.9	278.6	277.1	276.3
52.5°	238.7	238.7	238.7	238.7	235.7	237.2	236.6	234.9
55°	199.0	199.9	198.7	198.7	196.7	196.7	196.1	196.4
57.5°	160.9	160.0	159.1	159.1	157.1	156.2	155.4	154.2
60°	125.3	124.5	123.2	121.8	119.7	119.7	119.2	116.9
62.5°	91.8	90.3	89.5	88.3	86.5	85.4	84.5	85.1
65°	62.9	61.4	60.3	60.3	60.3	59.8	59.4	59.4
67.5°	41.4	42.3	41.7	42.3	42.3	41.7	41.4	42.0
70°	28.6	28.6	28.2	28.2	28.2	28.2	28.0	28.2
72.5°	18.4	18.4	18.4	18.6	18.4	18.4	18.6	18.6
75°	11.6	11.6	11.6	12.0	11.6	11.6	12.0	11.6
77.5°	7.0	7.3	7.3	7.3	7.3	7.0	7.3	7.3
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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)