

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: P684092

Luminaire Tested: **LX6C20D010 EX6C209027 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C20D010 EX6C209027 6LBLWWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

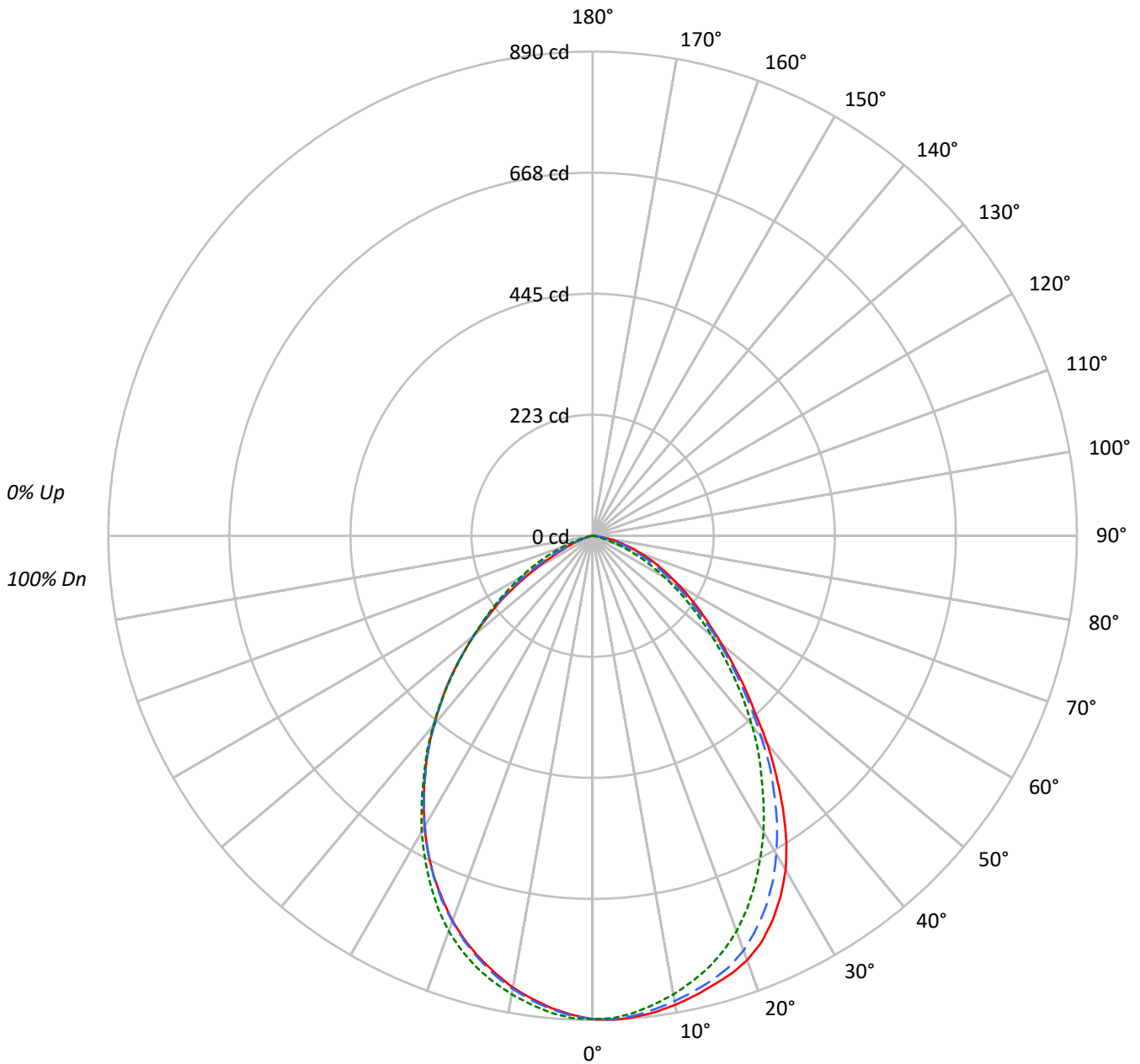
Lumens per Lamp: N/A
Luminaire Lumens: 1616.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V):
Input Current (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									
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	41	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°	48702	48702	48702
5°	48872	48432	47953
10°	48724	47644	46943
15°	48542	46657	45573
20°	48433	45119	43917
25°	47253	42704	41760
30°	44893	39772	39114
35°	40749	36212	35971
40°	35753	32590	32418
45°	30654	28476	28708
50°	26387	24272	24144
55°	23063	20492	19239
60°	20272	16797	13124
65°	17745	13010	7900
70°	15131	8751	4648
75°	12200	4554	2521
80°	8492	1799	1421
85°	3397	566	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	5.2
10°-20°	232.5	14.4
20°-30°	330.8	20.5
30°-40°	348.2	21.5
40°-50°	290.2	18.0
50°-60°	196.0	12.1
60°-70°	99.4	6.2
70°-80°	32.1	2.0
80°-90°	3.7	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°	646.5	40.0
0°-40°	994.7	61.6
0°-60°	1480.8	91.6
0°-90°	1616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1616.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	888	888	888	888	888	
5°	888	885	880	874	871	84
15°	855	846	822	806	803	242
25°	781	753	706	691	690	358
35°	609	583	541	536	538	379
45°	395	385	367	369	370	306
55°	241	230	214	208	201	217
65°	137	123	100	73	61	136
75°	58	45	22	12	12	62
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°	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4
2.5°	890.5	890.5	890.5	890.5	890.5	890.5	890.2	890.2	889.6	889.6	889.3
5°	888.1	888.4	888.4	888.1	888.1	887.5	887.5	887.2	886.3	885.7	885.4
7.5°	883.0	883.0	882.7	882.4	882.1	881.2	881.0	880.1	879.5	878.9	877.7
10°	875.3	875.3	875.0	874.4	874.1	873.5	873.5	872.3	871.1	869.6	868.7
12.5°	866.0	866.3	865.7	865.4	864.5	864.2	863.6	862.1	861.2	859.4	858.0
15°	855.3	855.9	855.9	854.7	853.8	853.5	852.6	851.7	849.6	847.8	846.0
17.5°	844.8	845.4	844.8	843.9	843.0	841.8	841.2	839.4	836.8	834.4	831.7
20°	830.2	831.1	829.9	828.4	826.6	826.3	825.4	822.4	818.5	815.0	811.1
22.5°	809.6	809.0	808.1	807.5	804.5	802.7	801.5	797.6	793.5	788.7	783.9
25°	781.2	782.4	780.6	777.9	776.4	774.6	771.7	767.5	763.6	758.5	752.8
27.5°	747.8	747.8	745.4	744.5	741.2	738.8	737.3	733.1	728.1	723.0	716.7
30°	709.2	707.4	707.4	703.3	700.6	699.7	698.2	691.3	686.8	681.5	675.2
32.5°	662.7	662.4	661.2	658.5	654.9	651.9	651.9	647.1	641.2	634.6	630.7
35°	608.9	609.2	608.6	605.6	605.6	602.0	601.4	597.3	592.5	587.4	582.6
37.5°	553.4	554.6	553.4	551.9	551.0	550.7	548.0	545.0	541.4	538.4	534.8
40°	499.6	497.8	498.4	495.4	495.7	495.1	493.9	490.0	488.0	485.0	481.1
42.5°	441.7	443.5	444.1	442.3	441.7	440.5	441.7	440.2	437.8	436.3	432.7
45°	395.4	393.6	394.5	393.9	394.2	391.8	390.9	390.3	389.4	386.7	385.2
47.5°	349.4	349.7	349.4	348.2	347.6	347.6	346.4	344.6	344.6	342.8	341.6
50°	309.4	309.4	310.0	308.5	307.9	306.7	307.0	305.2	304.0	302.5	301.6
52.5°	272.6	272.9	271.8	272.0	271.5	271.5	270.3	269.1	267.9	265.2	264.6
55°	241.3	241.6	240.1	240.7	238.9	238.0	237.4	235.6	235.6	232.9	229.6
57.5°	212.0	211.7	211.4	210.5	209.3	208.4	207.5	205.5	204.6	202.8	200.1
60°	184.9	184.6	184.0	183.7	182.8	180.7	180.7	179.2	176.2	174.4	171.7
62.5°	159.2	159.2	158.9	158.0	157.1	156.2	155.6	154.4	151.4	149.3	146.9
65°	136.8	136.5	135.6	134.1	133.5	133.5	131.4	130.5	128.1	126.0	123.3
67.5°	115.3	114.1	113.5	113.8	112.0	112.0	110.2	108.7	106.6	103.0	100.9
70°	94.4	93.8	93.2	92.6	92.3	91.1	90.2	88.4	86.3	83.6	80.3
72.5°	75.6	75.6	74.7	74.1	73.2	72.0	71.4	69.9	67.5	64.5	62.1
75°	57.6	57.6	57.6	56.4	55.8	55.2	53.5	52.6	49.9	48.1	45.1
77.5°	42.4	41.8	40.9	40.6	40.0	39.4	38.5	37.0	34.6	32.6	30.8
80°	26.9	27.8	26.9	26.9	25.4	24.8	24.5	22.7	21.8	20.0	18.5
82.5°	14.9	15.2	14.6	14.3	13.4	13.1	13.1	11.9	11.3	10.2	9.3
85°	5.4	5.7	5.4	5.4	4.8	5.1	4.8	4.5	3.9	3.3	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°	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4
2.5°	889.3	888.7	888.7	888.4	888.1	888.1	888.1	887.8	887.2	887.2	886.9
5°	884.8	884.2	883.3	882.7	882.4	882.1	881.8	881.5	880.4	880.1	879.2
7.5°	876.8	876.2	874.7	874.1	873.2	872.9	871.7	871.1	869.9	868.7	868.1
10°	867.2	865.7	864.5	863.0	862.4	861.5	860.0	858.3	857.4	855.9	854.7
12.5°	856.5	854.7	852.3	850.5	849.9	848.4	846.0	844.5	842.4	840.0	837.9
15°	843.0	840.9	838.8	835.6	834.7	832.9	830.5	827.5	824.5	822.1	819.7
17.5°	828.4	825.1	821.8	818.2	815.6	814.7	810.8	806.6	803.9	799.7	797.0
20°	807.8	803.3	797.9	794.3	792.0	789.3	784.8	780.3	777.0	773.4	769.6
22.5°	779.4	775.2	769.0	763.6	761.8	757.9	754.0	749.9	745.7	741.8	737.0
25°	746.0	741.5	735.2	729.8	726.9	725.1	717.6	713.4	709.2	706.0	702.7
27.5°	711.6	703.6	699.4	691.0	688.3	687.7	680.9	676.4	671.9	667.4	663.3
30°	669.2	663.0	656.7	650.7	647.1	645.0	640.0	634.3	631.3	628.3	624.1
32.5°	625.3	619.7	611.9	606.2	603.5	600.5	596.1	592.2	587.7	584.4	583.5
35°	578.4	572.2	565.6	561.4	560.8	557.2	552.8	549.5	546.2	541.1	540.2
37.5°	528.3	524.7	520.2	514.2	511.5	511.5	507.1	504.7	500.5	500.2	497.8
40°	479.0	477.5	470.6	468.8	468.2	464.1	462.9	458.7	455.7	455.4	451.8
42.5°	430.3	426.4	425.2	422.3	419.6	419.0	416.3	414.5	413.3	411.5	409.7
45°	381.9	381.0	378.1	376.0	375.1	373.9	373.0	369.4	368.8	367.3	366.4
47.5°	340.1	337.7	335.1	332.7	332.4	330.6	328.5	328.5	325.2	324.9	324.3
50°	298.6	296.8	295.3	292.1	292.7	290.3	290.0	287.3	285.8	284.6	286.1
52.5°	262.2	258.6	258.0	255.3	254.4	254.7	251.4	250.5	250.0	248.8	248.2
55°	227.6	225.8	223.4	221.6	220.1	218.6	217.4	217.4	214.1	214.4	212.9
57.5°	197.1	195.6	192.6	189.9	189.3	187.5	186.0	184.6	184.3	182.2	180.7
60°	169.9	167.2	163.3	162.2	160.4	158.9	157.4	155.6	154.7	153.2	150.5
62.5°	144.5	140.1	138.6	136.2	134.1	133.2	130.8	128.7	127.2	125.1	123.0
65°	120.3	117.1	114.4	111.7	111.4	109.0	106.9	105.1	102.1	100.3	96.5
67.5°	98.2	95.3	92.3	89.6	87.5	86.9	83.6	81.5	79.4	75.9	72.6
70°	77.9	75.0	72.6	69.3	68.4	66.0	63.6	61.5	57.9	54.6	52.0
72.5°	59.4	56.1	53.5	51.1	49.6	47.5	45.1	42.7	39.1	35.8	33.4
75°	42.4	40.0	37.3	34.9	33.7	32.6	29.9	27.2	24.8	21.5	19.4
77.5°	28.7	26.3	23.9	21.8	20.3	19.4	17.6	15.5	13.4	11.6	10.2
80°	16.7	15.2	13.4	11.6	11.3	10.5	9.0	7.8	6.6	5.7	4.5
82.5°	8.1	7.2	6.0	5.1	4.5	4.2	3.6	3.0	2.4	2.1	2.1
85°	2.4	2.1	1.8	1.5	1.2	1.2	0.9	0.9	0.9	0.9	0.9
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°	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4
2.5°	886.0	885.7	885.4	885.1	884.5	884.5	883.6	883.0	883.0	882.4	882.1
5°	878.3	877.4	877.1	876.5	875.9	875.6	874.4	874.1	873.5	872.9	872.9
7.5°	867.2	866.0	864.8	864.2	863.9	863.0	862.4	862.1	861.2	860.6	859.4
10°	852.6	851.7	850.2	849.6	849.0	848.4	846.9	846.0	845.7	845.1	844.5
12.5°	835.6	834.4	832.9	831.7	831.1	830.2	828.7	827.8	827.8	826.6	826.6
15°	817.3	815.6	812.9	811.7	811.4	809.6	808.4	807.2	805.7	805.1	805.1
17.5°	794.0	791.1	788.7	788.7	787.5	785.7	783.9	783.0	782.1	780.9	780.3
20°	766.6	764.5	761.8	761.8	759.1	758.5	756.7	756.4	754.3	754.6	753.7
22.5°	733.4	732.2	730.7	729.5	728.1	726.3	725.4	725.7	724.8	724.5	724.2
25°	700.0	696.7	694.9	694.3	693.7	692.2	691.6	691.3	691.3	690.4	690.7
27.5°	661.5	659.1	656.7	657.6	656.4	655.5	654.9	654.0	654.6	654.3	654.6
30°	622.0	619.1	617.6	618.2	617.9	615.5	616.7	616.4	616.7	616.7	617.3
32.5°	580.5	578.4	578.1	578.4	575.8	576.1	574.9	576.6	576.9	578.7	577.2
35°	538.4	537.2	535.1	534.8	535.1	534.8	534.8	536.0	535.7	537.5	536.9
37.5°	495.1	494.5	492.4	493.0	491.8	493.9	494.5	493.9	496.0	495.4	495.1
40°	452.7	451.8	450.6	453.0	451.5	450.3	452.4	450.6	451.2	453.0	453.0
42.5°	409.7	408.2	408.2	408.2	407.9	407.9	408.8	409.7	409.1	409.4	411.8
45°	366.4	366.1	365.2	365.8	365.5	367.0	367.0	367.6	368.8	370.0	369.4
47.5°	324.6	324.0	324.9	324.3	324.6	323.7	324.3	326.1	327.6	325.5	327.6
50°	285.5	284.3	284.0	284.9	284.6	284.3	284.9	284.9	284.3	284.3	286.4
52.5°	248.2	247.0	246.1	247.6	246.7	247.0	245.8	245.8	246.4	245.8	244.9
55°	213.2	212.3	211.1	211.7	210.2	209.9	208.7	208.7	207.8	207.2	205.5
57.5°	179.8	179.2	176.5	176.2	176.5	174.4	172.3	171.4	169.0	168.4	168.1
60°	150.2	146.9	145.4	143.6	142.4	141.5	139.2	137.7	134.1	132.0	131.7
62.5°	119.5	118.0	116.2	113.5	112.9	109.9	107.5	103.6	101.8	99.1	96.5
65°	94.7	90.8	88.1	86.6	84.2	81.5	78.8	74.7	72.6	69.3	66.6
67.5°	69.3	66.0	62.4	61.2	59.1	55.8	53.2	49.6	47.8	44.8	43.9
70°	47.5	44.5	41.8	40.0	38.5	35.2	32.6	31.4	29.6	29.0	29.0
72.5°	30.5	27.8	24.8	23.9	22.7	20.9	19.1	18.5	19.1	18.8	18.8
75°	17.0	15.5	13.4	12.5	12.5	11.9	11.6	11.6	11.6	11.6	11.6
77.5°	8.7	7.8	7.2	6.9	6.9	6.9	7.2	7.2	7.2	7.5	7.2
80°	4.2	3.9	3.9	3.9	4.2	4.2	4.2	4.2	4.2	4.5	4.2
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.4	2.4	2.4	2.4	2.4
85°	0.9	0.9	0.9	0.9	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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4
2.5°	881.8	881.2	881.2	881.0	881.0	881.0	881.0	881.2
5°	872.3	872.0	872.0	871.4	871.4	871.4	871.4	871.4
7.5°	859.4	858.9	859.2	858.6	858.6	858.9	858.6	858.3
10°	843.6	843.3	843.6	843.6	843.0	842.7	843.0	843.3
12.5°	825.7	825.4	824.8	825.1	825.1	824.8	824.5	823.9
15°	804.8	804.5	804.2	803.9	803.6	803.9	803.6	803.0
17.5°	780.3	780.3	780.0	779.7	779.4	778.8	779.1	780.0
20°	754.0	753.7	753.1	753.4	752.2	751.6	751.9	752.8
22.5°	723.9	723.0	723.6	722.7	722.7	723.0	722.7	722.1
25°	691.0	689.8	690.4	690.7	690.7	690.4	690.1	690.4
27.5°	654.6	655.5	655.5	654.9	655.8	654.6	655.2	655.5
30°	617.3	616.4	616.1	617.3	619.1	617.6	617.6	617.9
32.5°	578.7	577.5	577.5	578.1	577.8	577.8	579.0	577.5
35°	537.5	538.1	535.7	537.2	537.8	537.2	537.5	537.5
37.5°	496.0	495.4	495.4	495.4	496.3	496.3	496.9	496.6
40°	455.1	453.9	453.6	454.2	453.0	453.9	453.9	453.0
42.5°	410.9	411.2	412.7	411.2	411.5	411.2	410.6	410.3
45°	370.0	370.9	370.3	370.0	370.3	369.1	369.4	370.3
47.5°	326.7	328.5	326.7	327.9	327.6	327.0	326.4	325.2
50°	286.1	286.7	286.4	286.1	285.8	285.5	284.0	283.1
52.5°	244.6	244.6	244.6	244.6	241.6	243.1	242.5	240.7
55°	204.0	204.9	203.7	203.7	201.6	201.6	201.0	201.3
57.5°	164.8	163.9	163.1	163.1	161.0	160.1	159.2	158.0
60°	128.4	127.5	126.3	124.8	122.7	122.7	122.1	119.7
62.5°	94.1	92.6	91.7	90.5	88.7	87.5	86.6	87.2
65°	64.5	63.0	61.8	61.8	61.8	61.2	60.9	60.9
67.5°	42.4	43.3	42.7	43.3	43.3	42.7	42.4	43.0
70°	29.3	29.3	29.0	29.0	29.0	29.0	28.7	29.0
72.5°	18.8	18.8	18.8	19.1	18.8	18.8	19.1	19.1
75°	11.9	11.9	11.9	12.2	11.9	11.9	12.2	11.9
77.5°	7.2	7.5	7.5	7.5	7.5	7.2	7.5	7.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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)