

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: P844000

Luminaire Tested: **LD6C10DE010B50 EU6C10B50 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B50 EU6C10B50 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

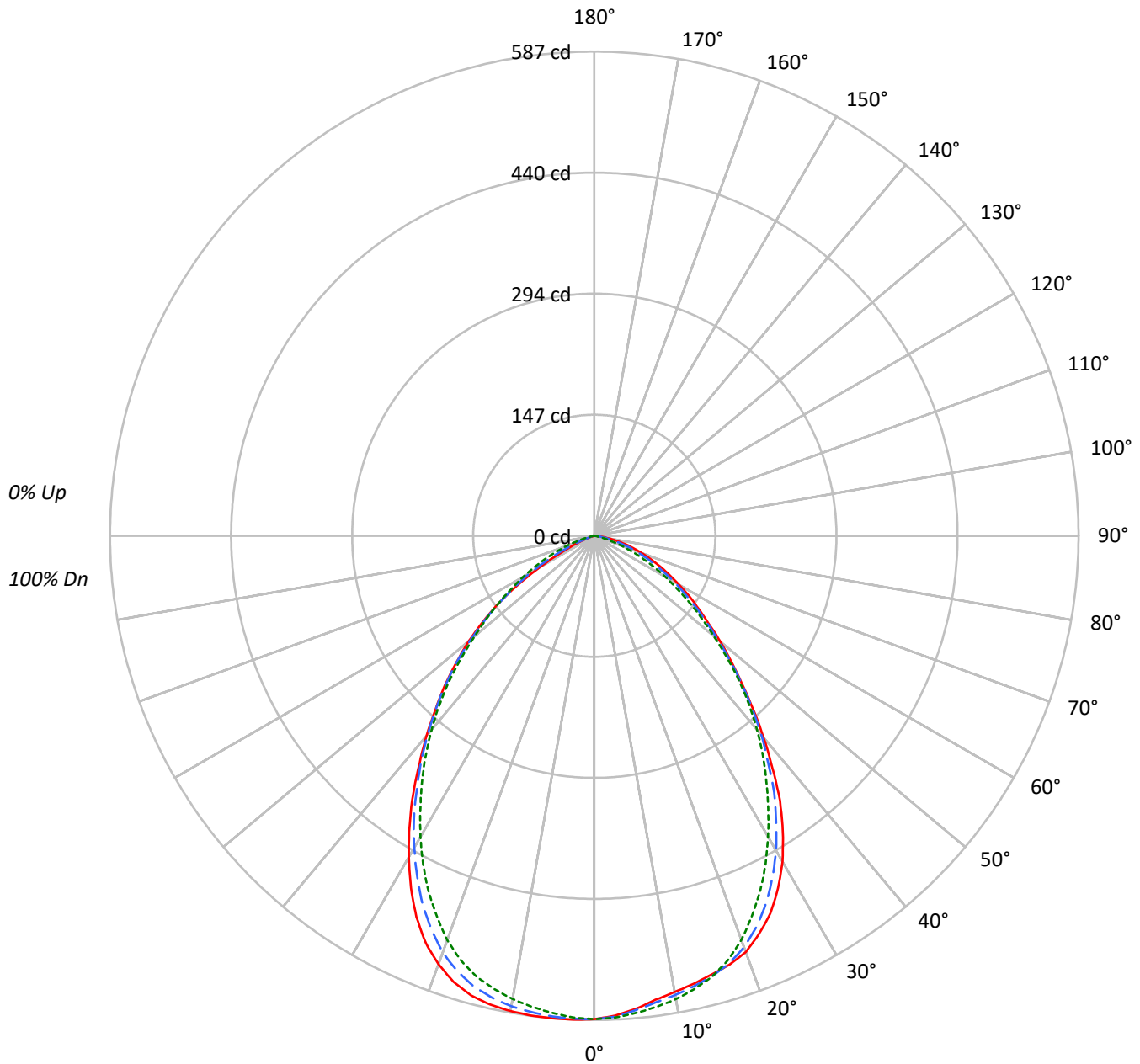
Lumens per Lamp: N/A
Luminaire Lumens: 1077.7 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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

TEST NUMBER: P844000

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P844000

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWLI

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						
1	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89						
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78						
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69						
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61						
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54						
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49						
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44						
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40						
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36						
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33						

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	32125	32125	32125
5°	31686	31956	32313
10°	31262	31746	32570
15°	31249	31379	32741
20°	31322	30412	32244
25°	30552	28762	30855
30°	28884	26669	28454
35°	26261	24353	25632
40°	22836	21934	22621
45°	19576	19227	19839
50°	16972	16110	16921
55°	14728	13390	13323
60°	12959	10843	8431
65°	11376	8237	4047
70°	9777	5466	1491
75°	7943	2309	402
80°	5367	537	158
85°	2201	126	126



TEST NUMBER: P844000

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	5.1
10°-20°	157.2	14.6
20°-30°	225.3	20.9
30°-40°	234.8	21.8
40°-50°	194.5	18.0
50°-60°	128.9	12.0
60°-70°	62.4	5.8
70°-80°	17.7	1.6
80°-90°	1.7	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°	437.7	40.6
0°-40°	672.5	62.4
0°-60°	995.9	92.4
0°-90°	1077.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1077.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	586	586	586	586	586	
5°	576	577	581	585	587	54
15°	551	552	553	565	577	156
25°	505	492	476	493	510	231
35°	392	380	364	375	383	243
45°	252	252	248	254	256	196
55°	154	149	140	138	139	139
65°	88	79	64	44	31	87
75°	38	29	11	2	2	40
85°	4	2	0	0	0	6
90°	0	0	0	0	0	



TEST NUMBER: P844000

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0
2.5°	582.3	582.5	582.9	582.5	582.8	582.9	582.9	583.1	583.1	583.3	583.5
5°	575.8	576.3	576.3	576.3	576.3	576.5	576.7	576.7	576.5	576.5	577.3
7.5°	567.4	567.9	567.8	567.9	568.2	568.8	568.6	569.0	569.3	570.0	570.7
10°	561.6	561.8	561.6	562.2	562.6	563.0	563.0	563.4	563.7	564.4	565.3
12.5°	556.4	556.5	556.7	557.2	557.6	557.4	557.7	558.1	558.3	558.7	559.3
15°	550.6	551.6	551.3	551.6	551.8	552.0	552.1	552.3	552.1	552.1	552.5
17.5°	545.1	545.3	545.5	545.5	545.5	545.5	545.1	545.1	544.6	544.0	543.6
20°	536.9	536.6	536.2	536.2	535.5	535.7	534.8	534.5	533.6	532.2	530.8
22.5°	522.3	523.3	522.9	521.5	520.8	520.8	520.0	518.2	516.7	515.2	513.4
25°	505.1	504.7	504.1	503.3	502.2	501.4	500.3	499.1	496.6	493.8	492.3
27.5°	482.1	482.6	481.2	480.1	479.5	478.4	477.2	475.6	472.6	470.2	467.5
30°	456.3	455.9	455.7	454.1	452.7	453.0	450.7	449.0	446.6	442.7	440.6
32.5°	425.3	425.9	424.7	424.5	421.7	421.3	421.3	418.5	416.6	412.9	410.0
35°	392.4	392.1	391.6	390.3	390.1	388.9	387.9	386.0	383.5	382.3	380.0
37.5°	354.5	354.6	354.8	354.8	354.1	353.4	352.5	352.5	349.0	348.5	345.7
40°	319.1	319.6	319.4	318.0	318.2	318.5	318.2	318.0	315.9	315.2	314.8
42.5°	284.6	285.6	284.6	284.4	284.6	284.6	284.2	284.8	283.8	284.6	282.8
45°	252.5	253.2	252.7	252.5	252.0	253.0	251.8	252.9	252.2	251.3	251.7
47.5°	224.7	224.0	224.7	224.3	223.8	223.1	224.2	223.6	222.2	222.1	222.4
50°	199.0	198.6	199.0	198.8	197.9	197.9	197.7	197.2	196.9	195.8	194.9
52.5°	174.4	175.8	174.8	175.8	174.4	173.9	174.1	173.5	172.7	172.3	170.7
55°	154.1	154.3	154.3	154.3	153.6	153.1	152.7	152.4	152.4	150.6	149.0
57.5°	136.4	136.1	135.9	135.3	135.0	134.5	134.1	133.1	131.9	130.3	129.1
60°	118.2	118.7	118.7	117.9	117.3	116.8	116.6	115.8	114.4	112.8	111.2
62.5°	102.6	103.0	102.1	102.1	100.9	100.7	100.7	99.5	97.9	96.2	94.2
65°	87.7	87.5	87.9	86.5	86.7	85.6	85.1	84.6	83.0	80.9	79.2
67.5°	73.6	73.9	73.4	73.0	72.2	71.8	71.4	69.7	69.0	66.9	65.0
70°	61.0	60.6	60.2	60.2	59.4	58.8	58.7	56.7	55.7	54.3	52.0
72.5°	49.2	48.8	48.4	47.8	47.3	47.1	45.9	44.7	43.6	41.7	40.1
75°	37.5	37.3	37.0	36.6	35.6	35.2	35.0	33.6	31.5	30.0	28.7
77.5°	27.1	27.3	26.5	25.7	25.2	24.5	24.2	23.1	21.7	20.0	18.6
80°	17.0	17.2	17.0	16.5	15.7	15.4	14.9	14.2	13.0	11.8	10.9
82.5°	9.1	9.1	8.9	8.7	8.1	8.1	7.7	7.2	6.6	6.0	5.2
85°	3.5	3.5	3.3	3.1	2.9	2.9	2.7	2.5	2.1	1.9	1.6
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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: P844000

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0
2.5°	583.5	583.7	583.9	584.0	584.0	584.0	584.2	584.4	584.4	584.7	584.9
5°	577.7	577.9	578.4	578.6	579.1	578.8	579.4	580.0	580.4	580.7	581.4
7.5°	571.1	571.7	572.5	573.0	573.2	573.4	574.0	574.8	575.4	576.1	576.7
10°	565.7	566.3	567.0	567.8	567.8	568.2	568.6	569.1	569.7	570.3	571.1
12.5°	559.7	560.4	560.7	561.1	561.1	561.2	561.6	561.8	562.3	562.6	563.7
15°	552.5	552.5	552.5	552.5	552.5	552.3	552.0	552.3	552.3	552.9	553.5
17.5°	542.7	542.7	541.5	540.9	541.1	540.1	539.9	539.2	539.2	539.2	539.7
20°	529.7	528.0	526.6	524.8	524.1	523.6	523.3	521.5	521.3	521.3	521.3
22.5°	511.3	509.4	507.5	506.1	504.0	503.1	502.4	501.2	499.8	499.1	500.8
25°	488.8	486.5	484.2	481.4	480.9	480.0	477.9	476.8	476.3	475.5	475.8
27.5°	465.0	461.8	459.2	456.5	455.5	454.4	452.7	450.9	449.0	449.3	449.3
30°	437.8	433.8	431.1	427.8	427.6	426.4	425.0	422.8	421.3	421.3	422.2
32.5°	408.1	405.4	402.9	399.2	398.6	397.9	396.7	394.7	393.5	392.4	393.2
35°	378.1	373.9	372.1	369.7	370.0	367.8	366.0	364.9	365.1	363.9	364.6
37.5°	345.7	343.2	340.8	339.7	338.8	337.6	336.9	336.1	335.7	335.7	335.3
40°	313.1	311.7	310.5	310.1	308.4	308.8	308.6	308.0	306.8	306.5	307.7
42.5°	282.3	280.9	280.3	279.3	279.1	278.6	278.6	277.9	277.8	277.9	277.8
45°	250.6	250.3	249.0	249.0	249.7	249.2	247.6	248.5	248.5	248.0	249.2
47.5°	221.3	221.5	220.7	219.1	219.1	218.2	217.0	218.0	218.6	217.6	218.2
50°	194.7	193.5	192.1	190.9	191.4	191.1	190.1	189.3	188.8	188.9	189.7
52.5°	169.5	169.0	167.2	165.9	165.5	165.7	164.6	163.4	163.6	163.4	163.0
55°	146.9	146.9	144.6	144.0	142.5	142.5	141.0	140.8	140.1	140.1	139.2
57.5°	127.3	125.6	124.3	122.9	122.4	121.6	121.0	119.6	119.1	117.9	117.7
60°	109.4	107.2	106.3	104.7	103.5	102.8	101.9	100.7	99.9	98.9	97.7
62.5°	93.3	91.0	89.1	87.5	86.5	86.3	84.8	83.4	81.9	80.7	78.8
65°	77.2	75.9	73.7	71.6	71.3	70.2	68.7	67.2	65.3	63.5	62.3
67.5°	63.1	61.3	59.4	58.3	56.9	56.2	54.4	52.0	49.9	48.2	46.1
70°	50.6	48.0	46.2	44.3	44.0	42.2	40.6	38.3	36.4	34.1	31.0
72.5°	38.0	35.4	34.1	32.2	31.0	30.0	27.9	25.7	22.6	20.9	18.2
75°	26.8	24.5	22.6	20.7	20.0	18.6	16.8	14.5	12.6	10.9	8.9
77.5°	16.6	15.3	13.5	12.0	11.2	10.5	9.1	7.4	6.0	4.7	3.5
80°	9.5	8.4	7.2	6.0	5.6	5.2	4.0	3.1	2.5	1.7	1.2
82.5°	4.4	3.7	3.1	2.5	2.3	1.9	1.4	1.0	0.5	0.4	0.2
85°	1.4	1.0	0.7	0.5	0.4	0.4	0.2	0.2	0.2	0.2	0.2
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: P844000

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0
2.5°	584.9	585.1	585.2	585.2	585.2	585.4	585.4	585.8	586.0	586.2	586.2
5°	581.7	582.3	582.8	582.9	583.1	583.7	583.9	584.4	584.9	585.2	585.6
7.5°	577.5	578.1	578.8	579.3	579.6	580.4	581.0	581.9	582.5	583.3	584.0
10°	572.1	572.8	574.0	574.4	574.8	575.8	576.9	578.1	579.1	580.2	581.2
12.5°	564.1	565.3	566.7	567.0	567.6	569.0	570.3	572.1	573.4	574.9	576.5
15°	554.3	555.8	556.7	557.2	557.9	559.9	561.2	563.2	565.3	567.6	569.3
17.5°	540.6	541.3	543.0	543.8	544.8	546.7	548.8	551.1	553.1	555.6	558.3
20°	522.5	523.6	525.7	526.6	527.8	529.5	532.6	534.5	537.6	540.7	542.7
22.5°	500.0	502.2	504.3	505.2	506.1	508.2	510.3	513.6	516.1	520.4	522.9
25°	476.8	477.4	479.1	480.9	481.2	484.0	486.5	490.3	492.9	495.6	499.1
27.5°	450.1	450.9	453.6	453.9	454.1	457.1	460.0	463.0	465.3	468.3	470.0
30°	422.2	423.6	424.7	425.5	426.9	428.2	431.0	434.8	436.4	439.0	441.4
32.5°	393.8	393.8	396.5	396.7	397.5	400.5	402.1	404.4	407.1	409.3	409.1
35°	365.5	366.3	367.2	368.6	369.2	371.1	371.7	373.5	375.1	376.7	378.6
37.5°	336.2	336.2	338.4	339.4	339.9	340.9	341.9	343.6	344.6	345.2	346.4
40°	308.4	309.1	309.6	310.0	310.0	311.3	312.1	313.4	314.0	315.6	314.8
42.5°	280.2	279.7	280.0	280.9	281.1	281.9	282.5	283.2	284.0	283.7	284.9
45°	250.1	250.3	250.7	250.7	251.3	252.2	253.2	253.6	254.1	255.2	255.3
47.5°	218.7	219.8	219.1	220.7	221.0	221.3	223.6	223.8	225.7	226.1	226.1
50°	189.5	189.5	190.7	191.2	191.6	192.3	193.0	193.8	194.4	195.8	196.1
52.5°	163.2	163.6	163.6	163.0	163.6	163.6	165.5	165.7	165.5	165.9	166.5
55°	139.6	139.8	138.7	139.4	139.2	138.7	139.0	137.8	137.6	138.2	137.8
57.5°	117.0	116.1	115.9	115.0	115.0	114.0	113.1	113.1	112.3	110.9	110.7
60°	96.6	95.4	94.7	94.1	92.5	91.6	90.2	89.1	87.5	85.8	84.8
62.5°	77.4	76.0	74.6	73.7	72.6	70.2	68.5	66.7	64.3	62.7	61.1
65°	60.4	58.3	55.7	54.6	53.4	51.3	49.0	46.1	43.6	41.5	38.7
67.5°	43.8	41.5	38.9	37.1	36.0	33.5	30.8	28.2	25.4	23.1	21.7
70°	28.7	25.7	23.4	22.1	20.9	18.4	15.9	13.7	12.4	11.8	11.6
72.5°	16.3	13.3	11.6	10.3	9.3	7.5	6.2	5.4	5.1	4.9	4.4
75°	7.0	5.2	4.0	3.3	2.9	2.3	2.1	2.1	2.1	1.9	1.9
77.5°	2.5	1.7	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
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: P844000

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0
2.5°	586.4	586.8	586.8	587.0	587.2	587.2	587.2	587.2
5°	586.0	586.4	586.6	586.8	587.0	587.2	587.2	587.2
7.5°	584.4	585.2	585.4	585.8	586.2	586.4	586.4	586.6
10°	582.1	582.9	583.5	583.9	584.2	584.7	585.1	585.1
12.5°	577.9	579.1	579.8	580.2	581.2	581.6	581.9	582.3
15°	570.9	572.5	573.4	574.2	574.9	576.1	576.3	576.9
17.5°	560.4	562.6	563.0	564.1	565.1	567.0	566.8	567.0
20°	545.3	547.6	548.5	549.7	551.1	552.5	553.7	552.7
22.5°	525.2	528.0	529.1	530.3	531.2	532.4	533.9	534.1
25°	501.4	503.8	504.7	505.4	507.5	508.4	509.9	510.1
27.5°	474.1	475.5	476.8	477.2	479.3	480.0	481.2	481.2
30°	443.1	444.6	446.2	446.9	447.4	448.0	449.0	449.5
32.5°	411.4	412.9	413.5	414.5	414.7	415.7	415.2	416.8
35°	379.6	380.0	380.6	380.4	381.8	381.6	383.1	383.0
37.5°	347.6	347.3	348.3	349.2	348.8	348.5	349.0	348.1
40°	315.7	315.9	316.1	317.1	316.1	316.8	316.3	316.1
42.5°	286.0	286.0	284.8	286.0	285.1	284.8	285.6	284.4
45°	255.7	255.5	255.7	255.9	255.9	255.9	255.2	255.9
47.5°	227.1	227.3	226.5	227.8	227.5	226.7	226.7	226.1
50°	196.7	197.9	199.3	198.1	199.0	198.4	197.9	198.4
52.5°	167.8	168.6	167.6	167.8	170.0	170.0	168.8	168.6
55°	137.1	137.1	137.5	137.6	137.8	140.3	139.0	139.4
57.5°	109.6	109.6	109.0	110.2	109.4	108.4	109.4	106.8
60°	83.2	83.0	82.5	81.6	79.7	79.2	77.1	76.9
62.5°	59.2	57.1	56.4	54.8	52.7	52.0	49.9	49.7
65°	36.8	34.3	33.5	32.7	31.7	31.5	30.8	31.2
67.5°	20.9	20.5	20.3	19.8	19.4	18.9	18.9	18.8
70°	11.0	10.3	10.0	9.8	9.8	9.1	8.9	9.3
72.5°	4.2	3.9	3.9	3.9	3.7	3.7	3.7	3.7
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2
87.5°	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



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— 0°-180° - - 45°-225° - - - 90°-270°













(END OF REPORT)