

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: P843966

Luminaire Tested: **LD6C10DE010B2750 EU6C10B35 6LBLWWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P843966
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: LD6C10DE010B2750 EU6C10B35 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

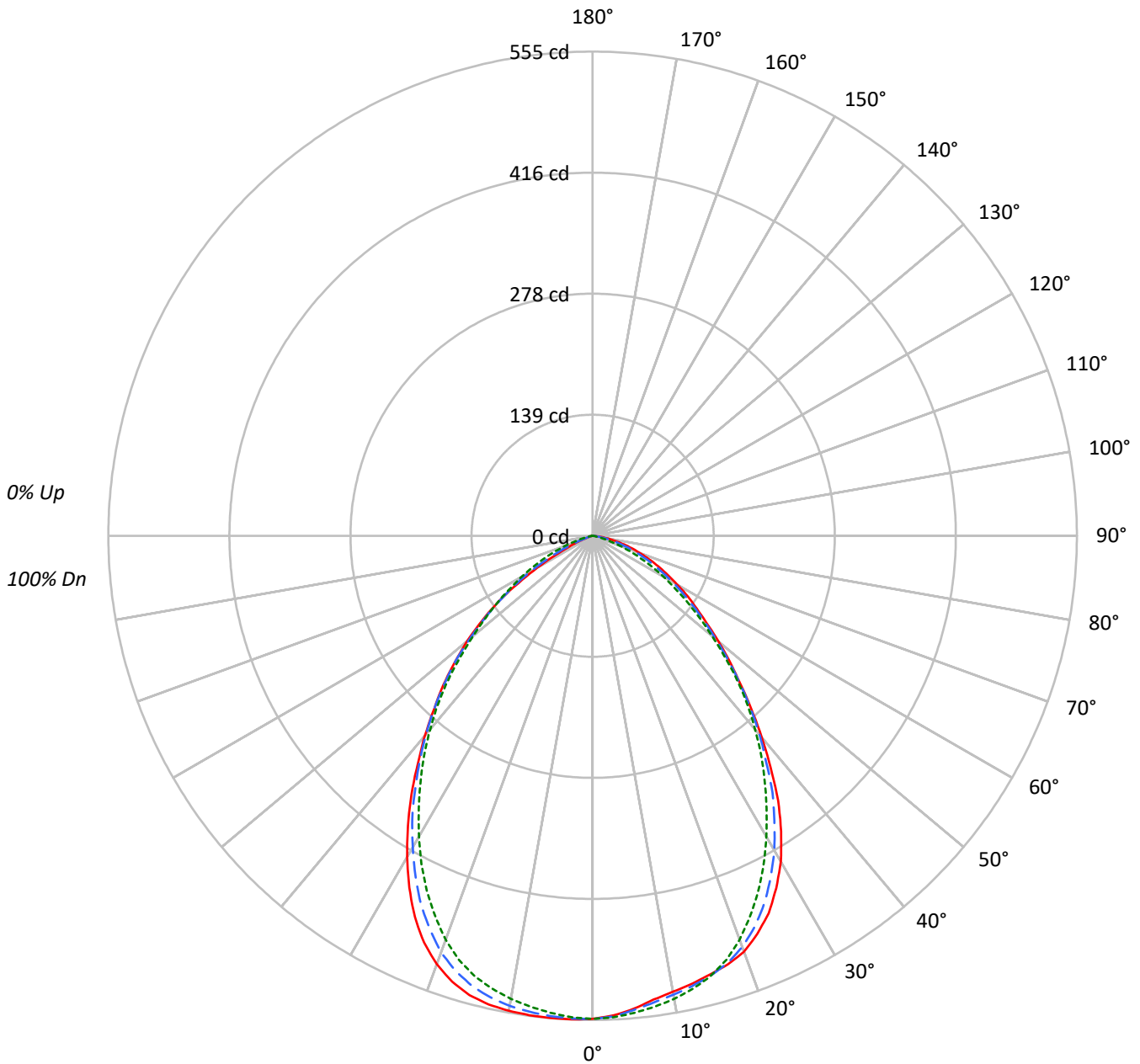
Lumens per Lamp: N/A
Luminaire Lumens: 1018.5 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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								
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°	30359	30359	30359
5°	29947	30206	30536
10°	29542	30004	30778
15°	29535	29654	30942
20°	29595	28737	30476
25°	28871	27177	29161
30°	27295	25200	26897
35°	24815	23015	24219
40°	21576	20725	21383
45°	18498	18172	18754
50°	16034	15223	15991
55°	13916	12654	12587
60°	12258	10251	7971
65°	10753	7783	3827
70°	9232	5161	1410
75°	7519	2182	381
80°	5083	537	158
85°	2076	126	126



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	5.1
10°-20°	148.6	14.6
20°-30°	212.9	20.9
30°-40°	221.9	21.8
40°-50°	183.8	18.0
50°-60°	121.9	12.0
60°-70°	59.0	5.8
70°-80°	16.7	1.6
80°-90°	1.6	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°	413.6	40.6
0°-40°	635.5	62.4
0°-60°	941.2	92.4
0°-90°	1018.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1018.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	554	554	554	554	554	
5°	544	546	549	553	555	51
15°	520	522	522	534	545	147
25°	477	465	449	466	482	218
35°	371	359	344	354	362	230
45°	239	238	234	240	242	186
55°	146	141	132	130	132	132
65°	83	75	60	41	30	83
75°	36	27	10	2	2	38
85°	3	2	0	0	0	5
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°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8
2.5°	550.3	550.5	550.9	550.5	550.7	550.9	550.9	551.0	551.0	551.2	551.5
5°	544.2	544.7	544.7	544.7	544.7	544.8	545.0	545.0	544.8	544.8	545.5
7.5°	536.2	536.7	536.6	536.7	537.0	537.5	537.4	537.7	538.0	538.7	539.4
10°	530.7	530.9	530.7	531.2	531.7	532.0	532.0	532.4	532.7	533.3	534.2
12.5°	525.9	526.0	526.2	526.5	526.9	526.7	527.1	527.4	527.7	528.0	528.5
15°	520.4	521.2	521.1	521.2	521.4	521.6	521.7	521.9	521.7	521.7	522.2
17.5°	515.2	515.4	515.6	515.6	515.6	515.6	515.2	515.2	514.6	514.1	513.7
20°	507.3	507.1	506.8	506.8	506.1	506.2	505.5	505.1	504.2	502.9	501.6
22.5°	493.6	494.5	494.1	492.9	492.1	492.1	491.4	489.8	488.3	486.8	485.2
25°	477.3	477.0	476.4	475.7	474.6	473.8	472.8	471.7	469.3	466.7	465.3
27.5°	455.5	456.1	454.8	453.7	453.2	452.0	451.0	449.5	446.6	444.4	441.9
30°	431.2	430.9	430.7	429.2	427.7	428.1	425.9	424.2	422.1	418.4	416.4
32.5°	401.9	402.5	401.4	401.3	398.5	398.1	398.1	395.6	393.8	390.3	387.5
35°	370.8	370.5	370.1	368.8	368.7	367.5	366.7	364.8	362.5	361.3	359.2
37.5°	335.0	335.2	335.4	335.4	334.6	333.9	333.2	333.2	329.9	329.3	326.7
40°	301.5	302.1	301.8	300.6	300.8	301.0	300.8	300.6	298.6	297.8	297.5
42.5°	269.0	269.9	269.0	268.7	269.0	269.0	268.5	269.2	268.2	269.0	267.3
45°	238.6	239.3	238.7	238.6	238.2	239.1	238.1	238.9	238.4	237.4	237.9
47.5°	212.4	211.6	212.4	212.1	211.5	210.8	211.8	211.3	210.0	209.8	210.3
50°	188.0	187.7	188.0	187.9	187.0	187.0	186.8	186.5	186.0	185.0	184.2
52.5°	164.9	166.2	165.2	166.2	164.9	164.3	164.5	163.9	163.2	162.9	161.4
55°	145.6	145.8	145.8	145.8	145.1	144.7	144.4	143.9	143.9	142.4	140.9
57.5°	129.0	128.6	128.4	127.9	127.6	127.1	126.8	125.6	124.6	123.1	122.1
60°	111.8	112.1	112.1	111.4	110.8	110.3	110.1	109.4	108.1	106.6	105.0
62.5°	97.0	97.3	96.5	96.5	95.3	95.2	95.2	94.0	92.5	91.0	89.1
65°	82.9	82.7	83.0	81.8	82.0	80.9	80.5	80.0	78.5	76.5	74.9
67.5°	69.5	69.9	69.4	69.0	68.2	67.9	67.5	65.9	65.2	63.4	61.4
70°	57.6	57.2	56.9	56.9	56.2	55.6	55.4	53.6	52.7	51.2	49.2
72.5°	46.4	46.1	45.7	45.2	44.6	44.4	43.4	42.3	41.1	39.3	37.9
75°	35.5	35.3	34.9	34.6	33.6	33.3	33.1	31.8	29.8	28.3	27.1
77.5°	25.6	25.8	25.1	24.3	23.8	23.3	22.8	21.8	20.5	18.8	17.6
80°	16.1	16.3	16.1	15.5	14.8	14.6	14.1	13.3	12.3	11.2	10.3
82.5°	8.6	8.6	8.5	8.2	7.7	7.7	7.3	6.8	6.2	5.7	5.0
85°	3.3	3.3	3.1	3.0	2.7	2.7	2.5	2.3	2.0	1.8	1.5
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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8
2.5°	551.5	551.6	551.8	552.0	552.0	552.0	552.2	552.3	552.3	552.5	552.7
5°	546.0	546.2	546.7	546.8	547.2	547.0	547.5	548.2	548.5	548.9	549.4
7.5°	539.7	540.2	541.0	541.5	541.7	541.9	542.5	543.2	543.7	544.5	545.0
10°	534.6	535.2	535.9	536.6	536.6	537.0	537.4	537.9	538.4	539.0	539.7
12.5°	528.9	529.7	529.9	530.2	530.2	530.4	530.7	530.9	531.5	531.7	532.7
15°	522.2	522.2	522.2	522.2	522.2	521.9	521.6	521.9	521.9	522.5	523.1
17.5°	512.8	512.8	511.7	511.2	511.4	510.4	510.3	509.6	509.6	509.6	510.1
20°	500.6	498.9	497.6	496.0	495.3	494.9	494.5	492.9	492.6	492.6	492.6
22.5°	483.1	481.3	479.5	478.3	476.3	475.5	474.8	473.7	472.3	471.7	473.3
25°	462.0	459.8	457.5	455.0	454.5	453.5	451.7	450.7	450.0	449.3	449.7
27.5°	439.4	436.4	433.9	431.4	430.5	429.4	427.7	426.1	424.2	424.6	424.6
30°	413.6	410.0	407.4	404.3	404.1	403.1	401.6	399.6	398.1	398.1	399.0
32.5°	385.6	383.1	380.7	377.3	376.7	376.0	374.8	373.0	372.0	370.8	371.5
35°	357.3	353.2	351.7	349.4	349.7	347.6	346.0	344.9	345.0	343.9	344.5
37.5°	326.7	324.4	322.0	321.1	320.1	319.1	318.3	317.6	317.3	317.3	316.9
40°	295.8	294.6	293.5	293.1	291.5	291.8	291.6	291.1	290.0	289.6	290.7
42.5°	266.7	265.5	264.9	264.0	263.8	263.2	263.2	262.7	262.5	262.7	262.5
45°	236.7	236.6	235.3	235.3	236.0	235.4	233.9	234.9	234.9	234.4	235.4
47.5°	209.1	209.3	208.6	207.1	207.1	206.2	205.1	206.0	206.6	205.6	206.2
50°	184.0	183.0	181.5	180.4	181.0	180.5	179.7	179.0	178.4	178.5	179.3
52.5°	160.2	159.7	158.1	156.7	156.4	156.6	155.5	154.4	154.6	154.4	154.1
55°	138.9	138.9	136.6	136.1	134.6	134.6	133.2	133.1	132.4	132.4	131.6
57.5°	120.4	118.8	117.5	116.1	115.6	114.9	114.3	113.1	112.5	111.4	111.3
60°	103.3	101.3	100.5	99.0	97.8	97.2	96.2	95.2	94.4	93.5	92.4
62.5°	88.2	86.0	84.2	82.7	81.8	81.6	80.2	78.9	77.4	76.3	74.5
65°	73.0	71.7	69.7	67.7	67.4	66.4	64.9	63.5	61.7	60.0	58.9
67.5°	59.7	58.0	56.2	55.1	53.8	53.1	51.4	49.2	47.2	45.6	43.6
70°	47.7	45.4	43.7	41.9	41.6	39.9	38.4	36.3	34.4	32.2	29.3
72.5°	35.9	33.5	32.2	30.4	29.3	28.3	26.3	24.3	21.4	19.8	17.2
75°	25.3	23.3	21.4	19.6	18.8	17.6	15.9	13.7	11.8	10.3	8.5
77.5°	15.8	14.5	12.8	11.3	10.6	9.8	8.6	7.0	5.7	4.4	3.3
80°	9.0	7.8	6.8	5.7	5.3	5.0	3.8	3.0	2.3	1.7	1.1
82.5°	4.2	3.5	3.0	2.3	2.2	1.8	1.3	1.0	0.5	0.3	0.2
85°	1.3	1.0	0.7	0.5	0.3	0.3	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8
2.5°	552.7	552.9	553.0	553.0	553.0	553.2	553.2	553.6	553.8	554.0	554.0
5°	549.8	550.3	550.7	550.9	551.0	551.6	551.8	552.3	552.7	553.0	553.5
7.5°	545.7	546.3	547.0	547.4	547.7	548.5	549.0	550.0	550.5	551.2	552.0
10°	540.7	541.4	542.5	542.8	543.2	544.2	545.2	546.3	547.2	548.3	549.2
12.5°	533.2	534.2	535.5	535.9	536.4	537.7	539.0	540.7	541.9	543.4	544.8
15°	523.8	525.2	526.2	526.5	527.2	529.1	530.4	532.2	534.2	536.4	538.0
17.5°	510.8	511.6	513.2	513.9	514.9	516.7	518.7	520.9	522.7	525.1	527.7
20°	493.8	494.9	496.9	497.6	498.8	500.4	503.3	505.1	508.1	510.9	512.8
22.5°	472.6	474.6	476.6	477.5	478.3	480.3	482.3	485.3	487.8	491.8	494.1
25°	450.7	451.2	452.8	454.5	454.8	457.4	459.8	463.5	465.8	468.3	471.7
27.5°	425.4	426.1	428.7	429.0	429.2	431.9	434.7	437.6	439.7	442.5	444.2
30°	399.0	400.3	401.4	402.1	403.4	404.7	407.3	410.9	412.4	414.9	417.1
32.5°	372.1	372.1	374.7	374.8	375.6	378.5	380.0	382.2	384.8	386.8	386.6
35°	345.4	346.2	347.0	348.4	348.9	350.7	351.2	352.9	354.5	356.0	357.9
37.5°	317.8	317.8	319.8	320.7	321.3	322.2	323.1	324.7	325.6	326.2	327.3
40°	291.5	292.2	292.5	292.9	292.9	294.2	294.9	296.2	296.8	298.3	297.5
42.5°	264.7	264.4	264.5	265.5	265.7	266.4	266.9	267.7	268.4	268.0	269.3
45°	236.4	236.6	236.9	236.9	237.4	238.4	239.3	239.7	240.2	241.1	241.4
47.5°	206.8	207.6	207.1	208.6	208.9	209.1	211.3	211.5	213.3	213.6	213.6
50°	179.2	179.2	180.2	180.7	181.2	181.7	182.4	183.2	183.7	185.0	185.3
52.5°	154.2	154.6	154.6	154.1	154.6	154.6	156.4	156.6	156.4	156.7	157.4
55°	131.9	132.1	131.0	131.7	131.6	131.0	131.4	130.3	130.1	130.6	130.3
57.5°	110.5	109.8	109.6	108.7	108.7	107.8	106.8	106.8	106.1	104.8	104.6
60°	91.3	90.2	89.5	88.9	87.5	86.5	85.2	84.2	82.7	81.0	80.2
62.5°	73.2	71.9	70.4	69.7	68.6	66.4	64.7	63.1	60.7	59.2	57.9
65°	57.1	55.1	52.7	51.6	50.4	48.4	46.3	43.6	41.1	39.1	36.6
67.5°	41.4	39.1	36.8	35.1	34.1	31.6	29.1	26.8	24.0	21.8	20.5
70°	27.1	24.3	22.1	20.8	19.8	17.3	15.0	13.0	11.7	11.2	11.0
72.5°	15.3	12.6	11.0	9.7	8.8	7.1	5.8	5.1	4.8	4.5	4.2
75°	6.6	5.0	3.8	3.1	2.7	2.2	2.0	2.0	2.0	1.8	1.8
77.5°	2.3	1.7	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	0.3	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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8
2.5°	554.2	554.5	554.5	554.7	554.9	554.9	554.9	554.9
5°	553.8	554.2	554.3	554.5	554.7	554.9	554.9	554.9
7.5°	552.3	553.0	553.2	553.6	554.0	554.2	554.2	554.3
10°	550.2	550.9	551.5	551.8	552.2	552.5	552.9	552.9
12.5°	546.2	547.2	548.0	548.3	549.2	549.5	550.0	550.3
15°	539.5	541.0	541.9	542.7	543.4	544.5	544.7	545.2
17.5°	529.7	531.7	532.0	533.2	534.0	535.9	535.7	535.9
20°	515.4	517.6	518.3	519.4	520.9	522.2	523.2	522.4
22.5°	496.3	498.9	500.0	501.1	502.1	503.1	504.6	504.8
25°	473.8	476.0	477.0	477.7	479.5	480.5	481.9	482.1
27.5°	448.0	449.3	450.7	451.0	453.0	453.5	454.8	454.8
30°	418.8	420.2	421.7	422.2	422.8	423.4	424.2	424.9
32.5°	388.8	390.3	390.8	391.7	391.9	392.8	392.4	393.9
35°	358.7	359.2	359.7	359.5	360.8	360.7	362.0	361.9
37.5°	328.6	328.2	329.1	330.1	329.7	329.3	329.9	328.9
40°	298.4	298.6	298.8	299.6	298.8	299.3	299.0	298.8
42.5°	270.2	270.2	269.2	270.2	269.5	269.2	269.9	268.7
45°	241.7	241.5	241.7	241.9	241.9	241.9	241.1	241.9
47.5°	214.6	214.8	214.1	215.3	215.0	214.3	214.3	213.6
50°	185.9	187.0	188.3	187.2	188.0	187.5	187.0	187.5
52.5°	158.6	159.4	158.4	158.6	160.7	160.7	159.5	159.4
55°	129.6	129.6	129.9	130.1	130.3	132.6	131.4	131.7
57.5°	103.5	103.5	103.0	104.1	103.3	102.5	103.3	101.0
60°	78.7	78.5	77.9	77.2	75.4	74.9	72.8	72.7
62.5°	55.9	53.9	53.2	51.8	49.8	49.2	47.2	47.1
65°	34.8	32.4	31.6	30.9	30.0	29.8	29.1	29.5
67.5°	19.8	19.4	19.2	18.6	18.3	18.0	18.0	17.8
70°	10.5	9.7	9.5	9.3	9.3	8.6	8.5	8.8
72.5°	4.0	3.7	3.7	3.7	3.5	3.5	3.5	3.5
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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)