

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: STREETWORKS

Report Number: P637000

Luminaire Tested: **IFLD-S-SA2C-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637000
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10411.8 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

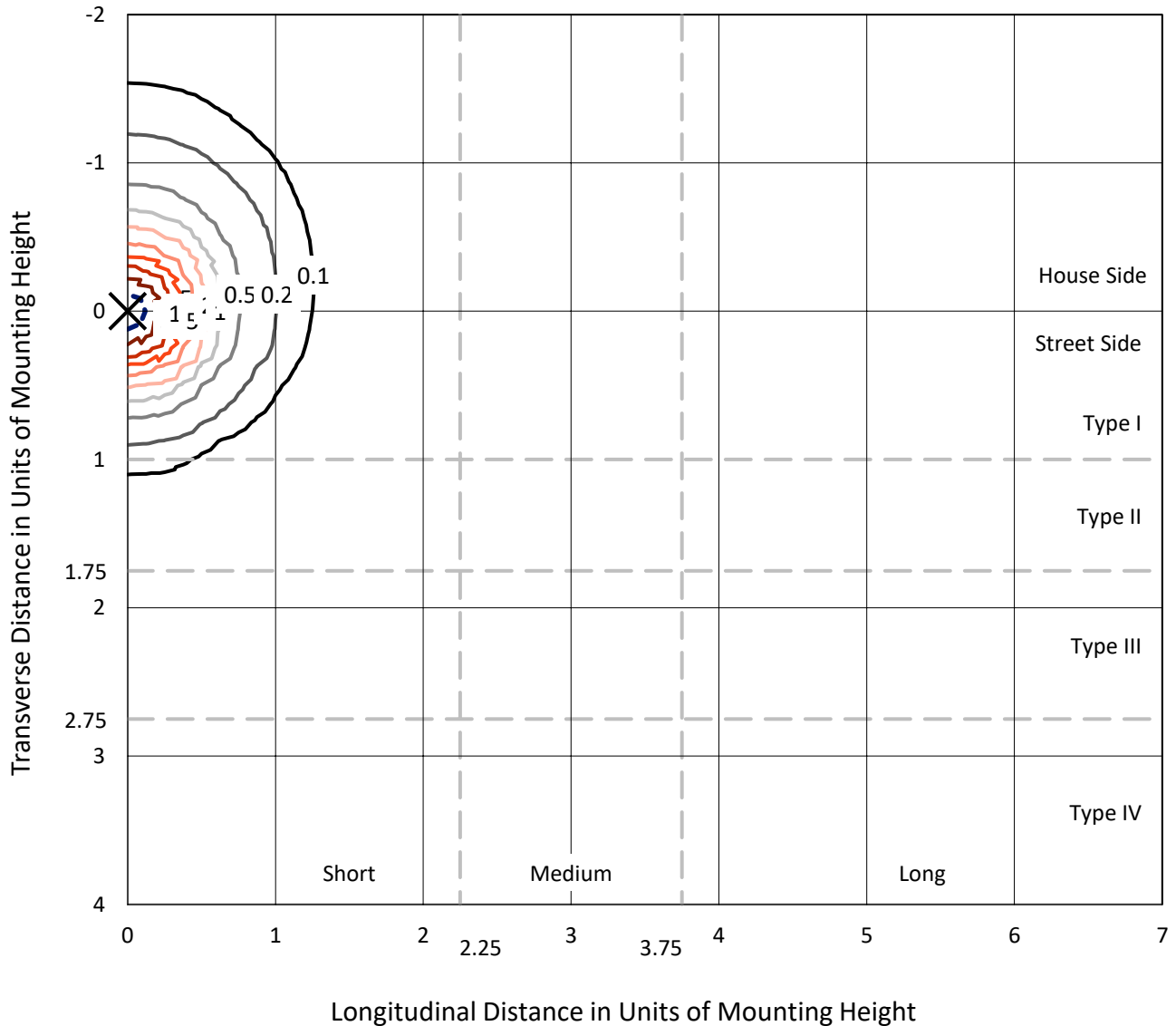
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

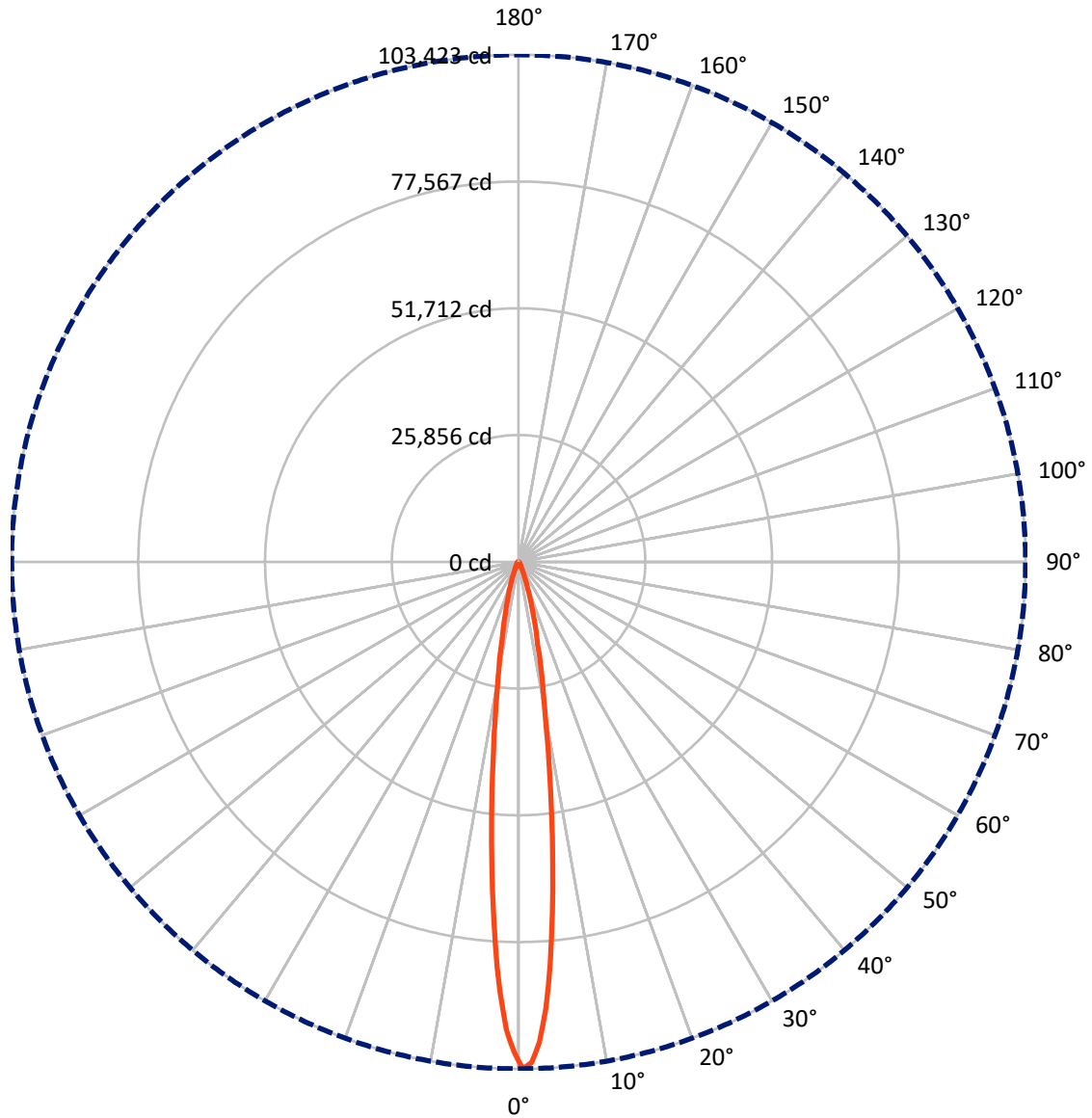
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 258.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5332.7	0.0	5332.7
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	5079.1	0.0	5079.1
	% Fixture	48.8	0.0	48.8
Total	Lumens	10411.8	0.0	10411.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5256.2	50.5
10°-20°	3365.0	32.3
20°-30°	1011.4	9.7
30°-40°	329.3	3.2
40°-50°	191.6	1.8
50°-60°	127.3	1.2
60°-70°	76.6	0.7
70°-80°	39.4	0.4
80°-90°	15.0	0.1
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°-90°	10411.8	100.0
0°-180°	10411.8	100.0

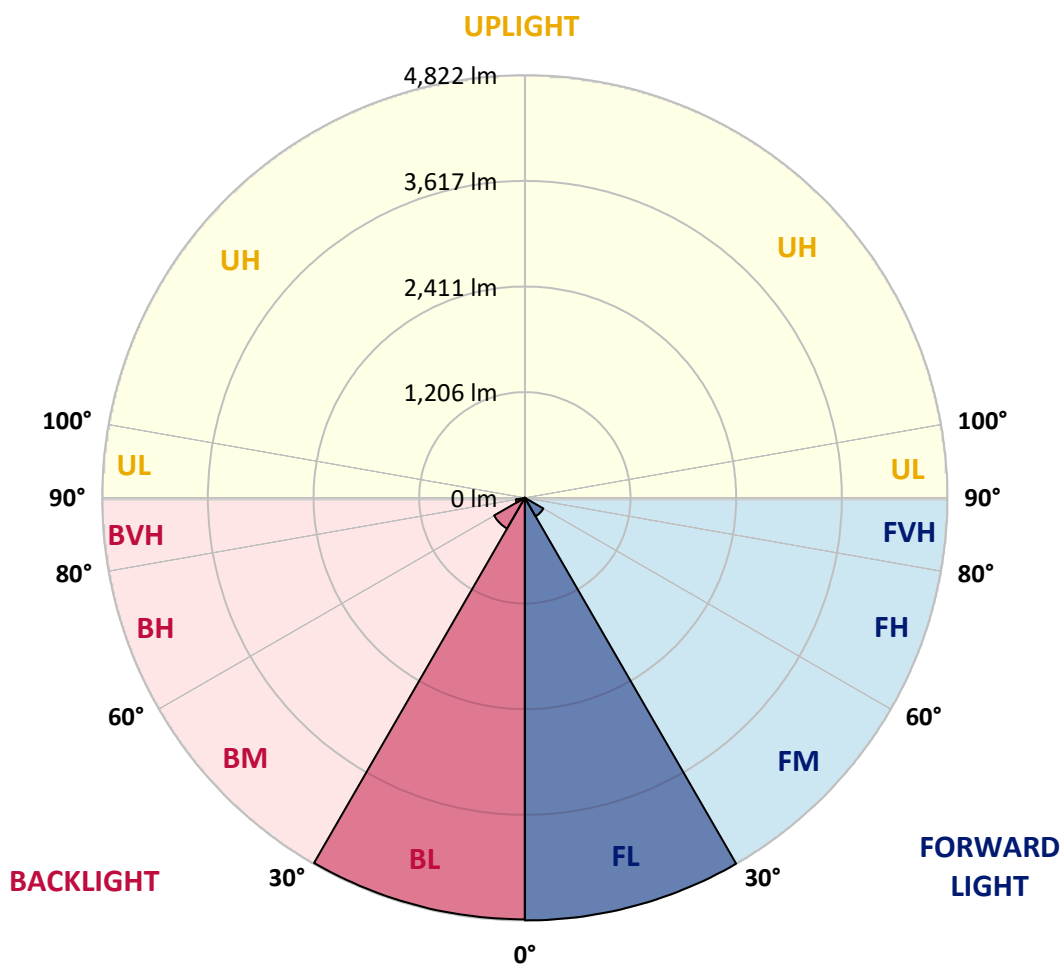


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4822.0	46.3			
FM (30°-60°)	243.3	2.3			
FH (60°-80°)	11.5	0.1			G0/660
FVH (80°-90°)	2.3	0.0			G0/10
BL (0°-30°)	4810.6	46.2	B4/5000		
BM (30°-60°)	404.9	3.9	B1/1000		
BH (60°-80°)	104.5	1.0	B0/110		G0/660
BVH (80°-90°)	12.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	103423.1	103423.1	103423.1	103423.1	103423.1	103423.1	103423.1	103423.1	103423.1	103423.1
1°	102184.8	101872.9	101067.8	101640.4	102143.9	101997.6	101987.4	101933.0	101857.0	102453.5
2°	98100.0	97898.2	96707.5	97198.5	97914.1	97392.4	97719.0	97432.1	97437.8	98149.9
3°	91214.3	91324.3	89424.8	90317.3	91311.8	90047.4	90439.8	91176.9	90404.6	90172.2
4°	82264.7	81309.9	80272.2	81179.4	81436.9	80700.9	81424.4	82327.1	81254.3	81301.9
5°	72047.2	71341.9	70113.7	70673.9	70035.5	70268.0	71352.1	71724.0	70975.6	70033.2
6°	61541.7	61040.5	59505.1	60312.5	60085.7	59954.1	61322.9	60188.9	60597.1	60026.7
7°	51190.5	50253.8	49499.7	50273.1	50323.0	49927.2	51704.2	51497.8	50755.0	50582.6
8°	42412.1	41477.7	40839.2	41415.3	41791.8	41170.3	42006.1	42555.0	41974.3	42026.5
9°	34207.5	34043.1	33155.1	33908.1	34317.5	33651.8	34577.2	34775.6	34232.4	34496.7
10°	28087.2	27895.6	27186.8	27491.9	28170.0	27376.2	28264.1	28328.8	27895.6	28019.2
12.5°	17357.2	17280.1	17260.8	17305.0	17296.0	17436.6	17663.4	17404.8	17370.8	16943.3
15°	11218.8	11333.3	11215.4	11442.2	11475.1	11607.8	11469.4	11260.7	10862.7	10665.4
17.5°	7001.4	7147.7	7349.5	7681.8	8014.1	8052.6	7868.9	7624.0	7431.2	7220.3
20°	4028.0	4099.5	4068.8	4466.9	5326.5	5560.1	5323.1	5065.6	4833.2	4620.0
22.5°	2502.8	2476.7	2524.3	2658.1	2938.2	3660.6	3466.7	3209.3	3040.3	2864.5
25°	1534.3	1562.7	1544.5	1618.2	1744.1	2050.3	2094.5	1983.4	1897.2	1806.5
27.5°	987.7	987.7	995.7	1036.5	1122.7	1112.5	1348.3	1262.2	1215.7	1171.4
30°	686.1	688.3	688.3	712.2	731.4	697.4	758.7	869.8	848.2	814.2
32.5°	509.2	516.0	521.6	534.1	518.2	482.0	496.7	626.0	613.5	601.0
35°	387.8	393.5	407.1	413.9	391.2	368.6	354.9	460.4	466.1	462.7
37.5°	282.4	285.8	310.7	336.8	310.7	290.3	282.4	353.8	381.0	377.6
40°	216.6	217.7	222.3	251.8	251.8	235.9	238.1	264.2	311.9	311.9
42.5°	186.0	186.0	190.5	186.0	187.1	204.1	209.8	213.2	264.2	264.2
45°	161.0	161.0	163.3	152.0	140.6	175.8	180.3	181.4	222.3	227.9
47.5°	134.9	134.9	139.5	124.7	119.1	139.5	152.0	155.4	191.6	196.2
50°	99.8	100.9	114.5	102.1	105.5	107.7	131.5	133.8	162.2	172.4
52.5°	66.9	66.9	69.2	79.4	91.9	88.5	106.6	114.5	129.3	142.9
55°	54.4	54.4	53.3	51.0	68.0	73.7	78.2	95.3	105.5	122.5
57.5°	37.4	39.7	36.3	42.0	44.2	55.6	59.0	74.8	80.5	103.2
60°	4.5	5.7	7.9	30.6	29.5	37.4	44.2	59.0	65.8	79.4
62.5°	1.1	1.1	2.3	5.7	20.4	24.9	35.2	40.8	47.6	61.2
65°	0.0	0.0	1.1	2.3	4.5	13.6	18.1	23.8	34.0	43.1
67.5°	0.0	0.0	1.1	2.3	2.3	5.7	9.1	14.7	18.1	31.8
70°	0.0	0.0	1.1	2.3	2.3	4.5	5.7	6.8	12.5	17.0
72.5°	0.0	0.0	1.1	2.3	3.4	4.5	5.7	5.7	5.7	11.3
75°	0.0	0.0	1.1	2.3	3.4	4.5	5.7	5.7	4.5	4.5
77.5°	0.0	0.0	1.1	2.3	4.5	5.7	6.8	5.7	3.4	3.4
80°	0.0	0.0	1.1	3.4	5.7	7.9	9.1	6.8	3.4	2.3
82.5°	0.0	0.0	2.3	4.5	6.8	9.1	12.5	10.2	4.5	2.3
85°	0.0	0.0	1.1	3.4	6.8	9.1	18.1	12.5	5.7	1.1
87.5°	0.0	0.0	0.0	1.1	1.1	2.3	6.8	4.5	2.3	1.1
90°	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):

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
103423.1	103423.1	103423.1	103423.1	103423.1	103423.1	103423.1	103423.1	103423.1	103423.1
101765.2	102476.2	102547.6	102314.0	102675.8	102548.8	101804.9	101558.8	101267.3	100847.8
97731.5	97432.1	97796.1	97814.3	98215.7	98210.0	97342.5	97073.8	97569.3	96602.0
90643.9	90369.5	90793.6	90411.4	91124.7	90910.4	89858.0	89584.7	90147.2	89444.1
81678.4	81434.6	81354.1	81222.5	80816.6	81316.7	80598.8	80057.9	80821.1	79317.4
71282.9	71140.0	70960.9	70704.6	70584.4	70956.3	70497.0	69384.6	70499.3	67817.4
61058.7	61133.5	60362.4	60324.9	60258.0	60295.5	59009.5	59086.6	59916.7	57685.0
49989.6	50518.0	50659.8	50370.6	50834.4	50480.6	49609.7	49274.0	50148.3	48570.9
42255.6	41960.7	41781.6	41560.4	42253.3	41639.8	41068.3	40677.0	41367.7	40196.2
34539.8	34475.1	34165.5	33941.0	33905.8	34001.1	32928.3	33146.1	33668.8	32963.5
28087.2	28097.4	27589.4	27713.0	27745.9	27641.6	26938.5	26945.3	27125.6	26277.3
17226.8	17165.6	16916.1	16978.4	17012.5	17224.5	16977.3	16628.0	16376.3	16249.3
10861.6	10789.0	10609.8	10976.1	11222.2	11172.3	10952.3	10787.9	10559.9	10376.2
7220.3	7153.4	7388.1	7389.2	7613.8	7636.4	7416.4	7289.4	7084.2	7093.3
4695.9	4678.9	4776.5	4979.5	5138.2	5230.1	5062.2	4910.3	4769.7	4710.7
2928.0	2928.0	3098.1	3225.1	3431.5	3515.4	3393.0	3285.2	3170.7	3100.4
1828.0	1797.4	1918.7	2024.2	2203.4	2317.9	2259.0	2160.3	2079.8	2042.4
1180.5	1198.7	1249.7	1301.8	1425.5	1544.5	1511.6	1471.9	1423.2	1406.2
832.4	844.8	849.4	904.9	974.1	1053.5	1073.9	1055.8	1030.8	1011.5
611.2	622.6	640.7	666.8	709.9	763.2	812.0	802.9	791.5	782.5
467.2	480.8	508.0	529.6	562.5	590.8	637.3	645.3	641.9	635.0
384.4	392.4	416.2	437.7	457.0	480.8	512.6	537.5	538.7	531.9
317.5	325.5	347.0	375.4	390.1	407.1	430.9	461.5	463.8	461.5
268.8	274.4	294.8	323.2	341.3	353.8	376.5	407.1	411.6	407.1
230.2	235.9	248.3	277.8	299.4	311.9	326.6	359.5	364.0	362.9
198.5	205.3	217.7	235.9	266.5	277.8	291.4	317.5	325.5	325.5
175.8	180.3	192.8	208.7	235.9	252.9	264.2	285.8	297.1	297.1
153.1	159.9	172.4	189.4	210.9	230.2	240.4	260.8	275.6	275.6
124.7	133.8	155.4	167.8	187.1	213.2	222.3	238.1	257.4	257.4
108.9	116.8	134.9	153.1	169.0	195.1	206.4	222.3	240.4	242.7
86.2	98.7	115.7	137.2	150.8	175.8	190.5	207.5	224.5	229.1
65.8	78.2	100.9	115.7	134.9	158.8	178.0	191.6	208.7	215.5
51.0	57.8	82.8	99.8	120.2	142.9	163.3	174.6	192.8	197.3
36.3	42.0	64.6	85.1	104.3	125.9	146.3	157.6	173.5	176.9
22.7	32.9	47.6	70.3	87.3	110.0	127.0	139.5	149.7	153.1
14.7	19.3	36.3	56.7	76.0	96.4	107.7	116.8	125.9	128.1
6.8	12.5	28.4	46.5	63.5	78.2	88.5	96.4	104.3	105.5
3.4	7.9	20.4	37.4	53.3	60.1	72.6	79.4	83.9	81.6
2.3	4.5	15.9	32.9	43.1	48.8	56.7	63.5	69.2	63.5
2.3	3.4	13.6	27.2	36.3	36.3	45.4	48.8	48.8	46.5
1.1	2.3	11.3	21.5	34.0	27.2	34.0	31.8	31.8	31.8
1.1	2.3	7.9	10.2	14.7	12.5	14.7	14.7	17.0	17.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
103423.1
100112.9
95470.3
87649.0
78058.6
67562.2
57510.3
47770.3
39395.6
32035.9
25898.6
16223.2
10443.1
7033.1
4720.9
3109.5
2033.3
1394.8
1013.8
782.5
630.5
530.7
460.4
408.2
362.9
326.6
298.2
275.6
258.6
241.5
229.1
216.6
196.2
174.6
153.1
128.1
104.3
81.6
62.4
45.4
30.6
17.0
0.0

(END OF REPORT)