

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: P637001

Luminaire Tested: **IFLD-S-SA2D-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637001
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-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: 11456.5 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

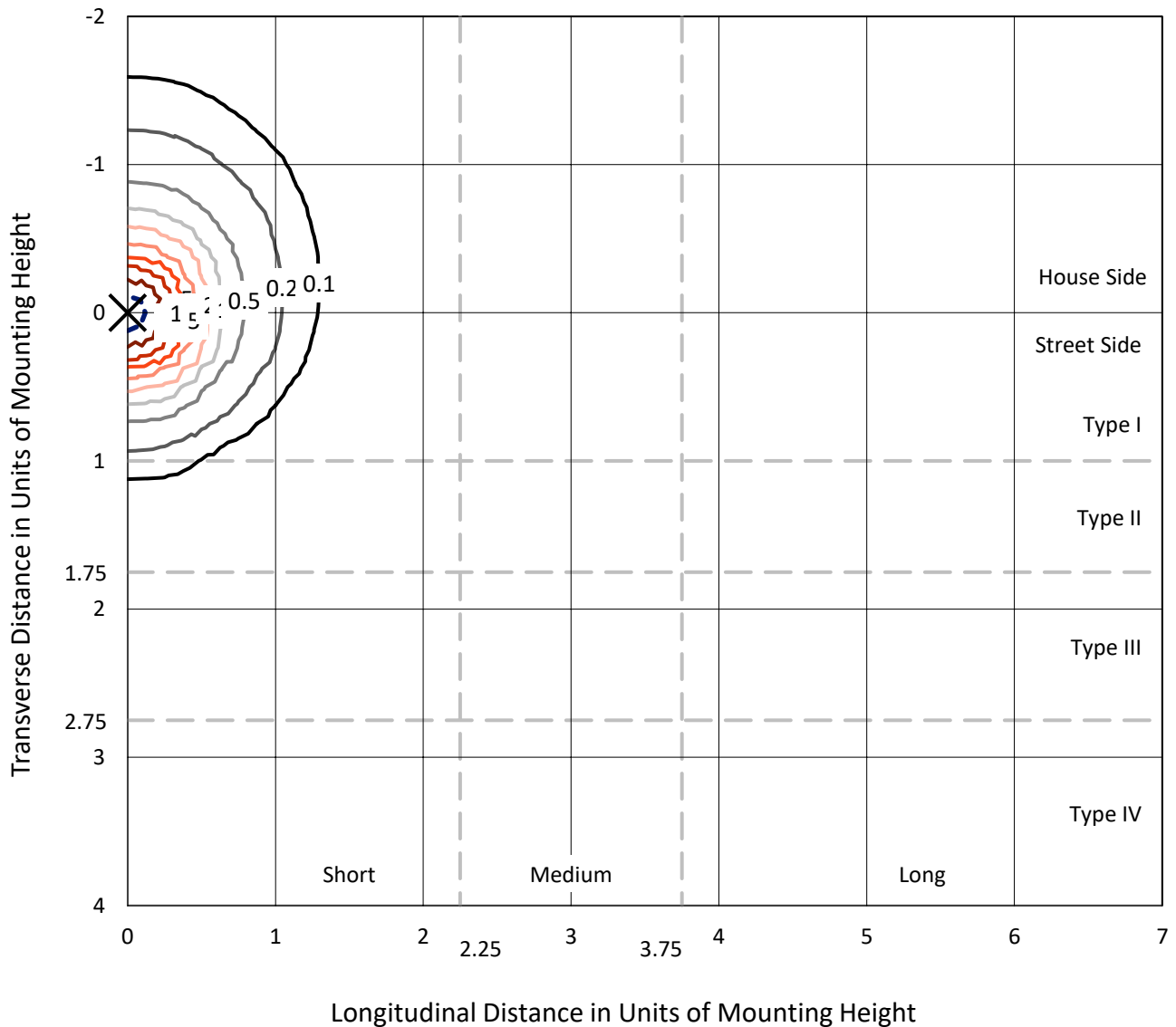
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

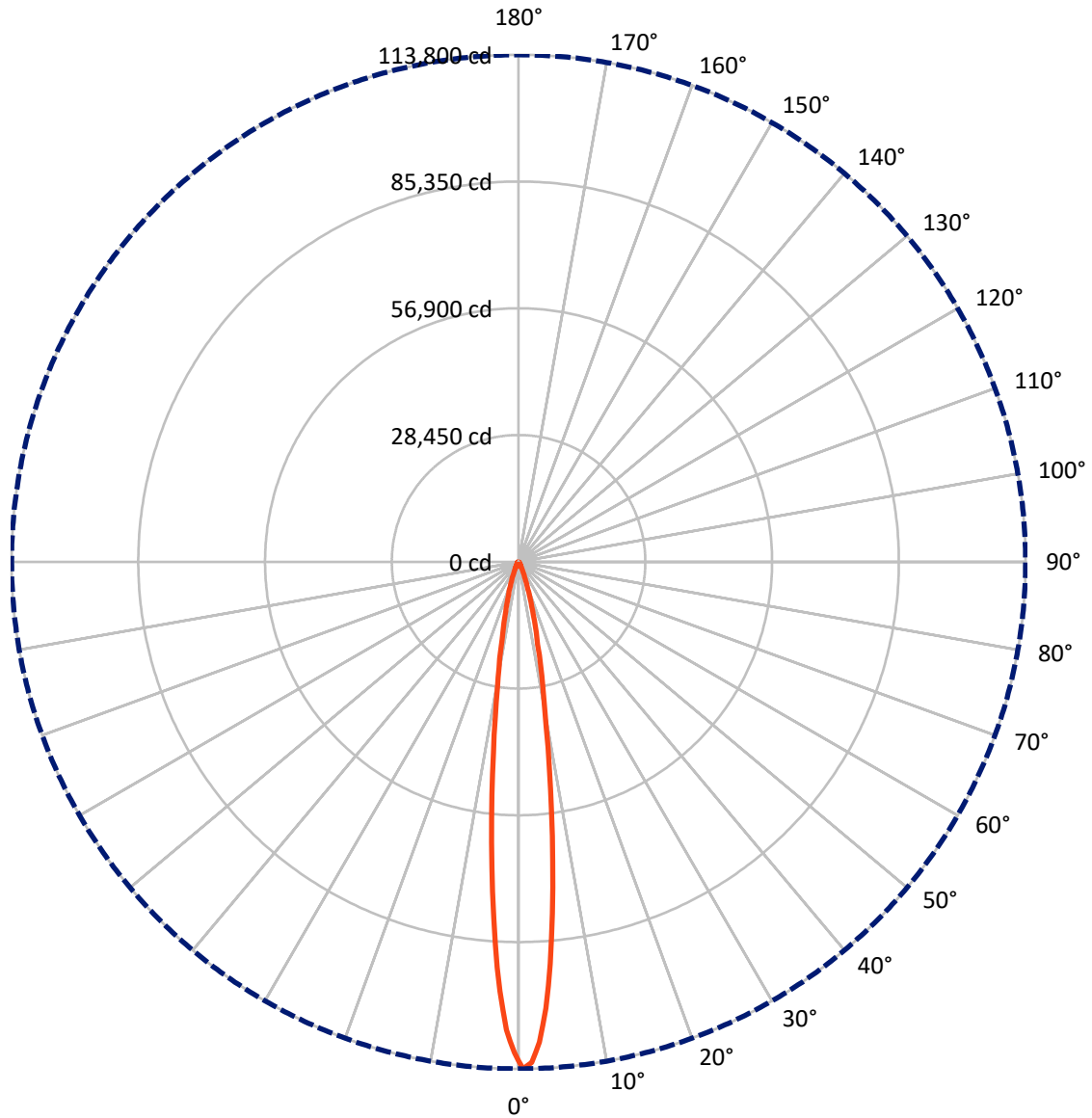
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 284.5 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	5867.8	0.0	5867.8
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	5588.7	0.0	5588.7
	% Fixture	48.8	0.0	48.8
Total	Lumens	11456.5	0.0	11456.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5783.6	50.5
10°-20°	3702.6	32.3
20°-30°	1112.9	9.7
30°-40°	362.4	3.2
40°-50°	210.8	1.8
50°-60°	140.0	1.2
60°-70°	84.3	0.7
70°-80°	43.3	0.4
80°-90°	16.5	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°	11456.5	100.0
0°-180°	11456.5	100.0

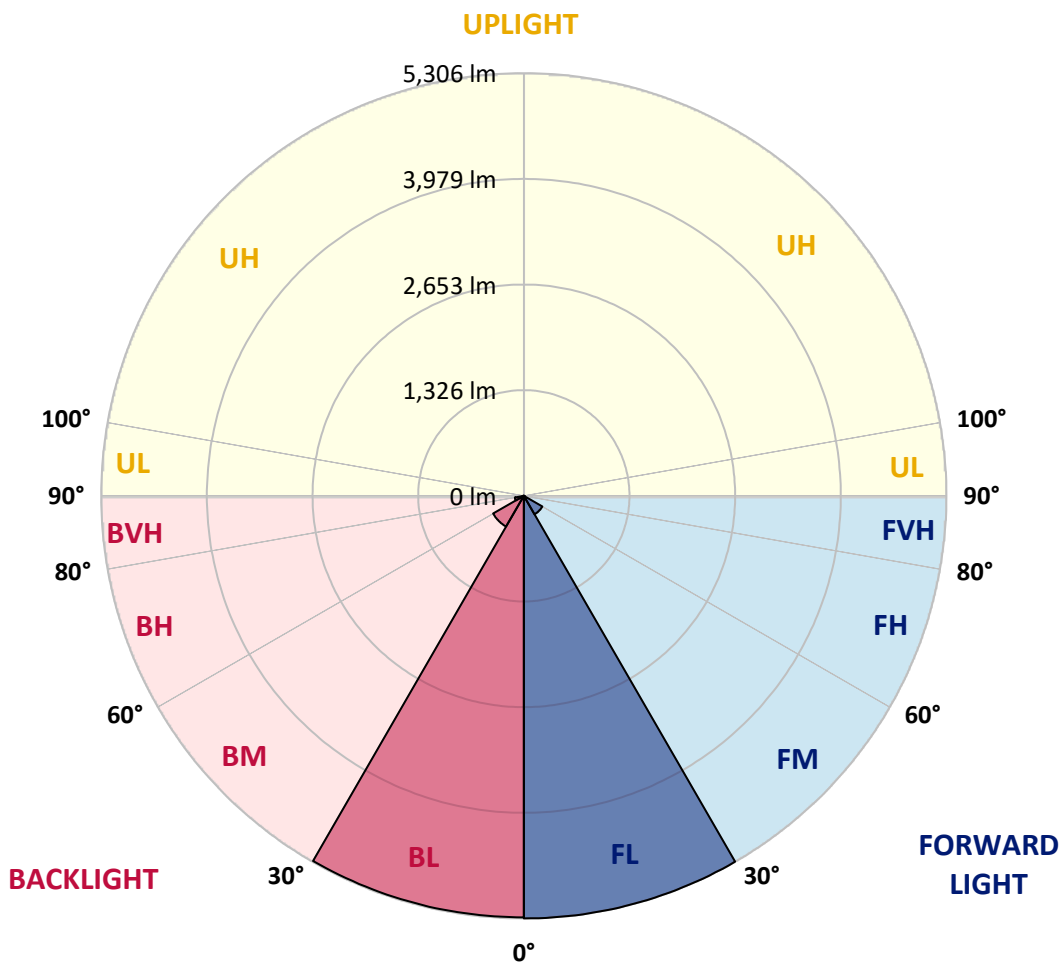


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5305.9	46.3			
FM (30°-60°)	267.7	2.3			
FH (60°-80°)	12.6	0.1			G0/660
FVH (80°-90°)	2.5	0.0			G0/10
BL (0°-30°)	5293.3	46.2	B5		
BM (30°-60°)	445.5	3.9	B1/1000		
BH (60°-80°)	115.0	1.0	B1/500		G0/660
BVH (80°-90°)	14.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	113800.2	113800.2	113800.2	113800.2	113800.2	113800.2	113800.2	113800.2	113800.2	113800.2
1°	112437.6	112094.5	111208.5	111838.7	112392.7	112231.7	112220.5	112160.6	112077.0	112733.4
2°	107943.1	107721.0	106410.8	106951.1	107738.4	107164.4	107523.8	107208.1	107214.3	107998.0
3°	100366.4	100487.5	98397.4	99379.4	100473.8	99082.5	99514.2	100325.3	99475.5	99219.7
4°	90518.8	89468.2	88326.5	89324.7	89608.0	88798.1	89594.2	90587.5	89407.1	89459.5
5°	79276.2	78500.1	77148.7	77765.1	77062.6	77318.4	78511.3	78920.6	78097.0	77060.1
6°	67716.6	67165.1	65475.6	66364.0	66114.5	65969.7	67475.8	66228.0	66677.2	66049.6
7°	56326.7	55296.1	54466.3	55317.3	55372.2	54936.7	56892.0	56664.9	55847.6	55657.9
8°	46667.6	45639.4	44936.9	45570.7	45985.0	45301.2	46220.8	46824.8	46185.9	46243.3
9°	37639.8	37458.8	36481.8	37310.3	37760.8	37028.3	38046.5	38264.9	37667.2	37957.9
10°	30905.4	30694.5	29914.7	30250.3	30996.5	30123.0	31100.1	31171.2	30694.5	30830.5
12.5°	19098.8	19013.9	18992.7	19041.4	19031.4	19186.1	19435.7	19151.2	19113.7	18643.3
15°	12344.4	12470.5	12340.7	12590.3	12626.4	12772.4	12620.2	12390.6	11952.6	11735.5
17.5°	7703.9	7864.9	8087.0	8452.6	8818.2	8860.6	8658.5	8388.9	8176.8	7944.7
20°	4432.2	4510.8	4477.1	4915.1	5860.9	6117.9	5857.2	5573.9	5318.1	5083.5
22.5°	2753.9	2725.2	2777.6	2924.8	3233.0	4027.9	3814.5	3531.3	3345.3	3151.9
25°	1688.3	1719.5	1699.5	1780.6	1919.1	2256.0	2304.7	2182.4	2087.6	1987.7
27.5°	1086.8	1086.8	1095.6	1140.5	1235.3	1224.1	1483.6	1388.8	1337.6	1289.0
30°	754.9	757.4	757.4	783.6	804.8	767.4	834.8	957.1	933.4	895.9
32.5°	560.3	567.7	574.0	587.7	570.2	530.3	546.5	688.8	675.1	661.3
35°	426.7	433.0	448.0	455.4	430.5	405.5	390.6	506.6	512.8	509.1
37.5°	310.7	314.4	341.9	370.6	341.9	319.4	310.7	389.3	419.3	415.5
40°	238.3	239.6	244.6	277.0	277.0	259.5	262.0	290.7	343.1	343.1
42.5°	204.6	204.6	209.6	204.6	205.9	224.6	230.8	234.6	290.7	290.7
45°	177.2	177.2	179.7	167.2	154.7	193.4	198.4	199.6	244.6	250.8
47.5°	148.5	148.5	153.5	137.3	131.0	153.5	167.2	170.9	210.9	215.9
50°	109.8	111.1	126.0	112.3	116.0	118.5	144.7	147.2	178.4	189.7
52.5°	73.6	73.6	76.1	87.3	101.1	97.3	117.3	126.0	142.2	157.2
55°	59.9	59.9	58.6	56.2	74.9	81.1	86.1	104.8	116.0	134.8
57.5°	41.2	43.7	39.9	46.2	48.7	61.1	64.9	82.4	88.6	113.5
60°	5.0	6.2	8.7	33.7	32.4	41.2	48.7	64.9	72.4	87.3
62.5°	1.2	1.2	2.5	6.2	22.5	27.5	38.7	44.9	52.4	67.4
65°	0.0	0.0	1.2	2.5	5.0	15.0	20.0	26.2	37.4	47.4
67.5°	0.0	0.0	1.2	2.5	2.5	6.2	10.0	16.2	20.0	34.9
70°	0.0	0.0	1.2	2.5	2.5	5.0	6.2	7.5	13.7	18.7
72.5°	0.0	0.0	1.2	2.5	3.7	5.0	6.2	6.2	6.2	12.5
75°	0.0	0.0	1.2	2.5	3.7	5.0	6.2	6.2	5.0	5.0
77.5°	0.0	0.0	1.2	2.5	5.0	6.2	7.5	6.2	3.7	3.7
80°	0.0	0.0	1.2	3.7	6.2	8.7	10.0	7.5	3.7	2.5
82.5°	0.0	0.0	2.5	5.0	7.5	10.0	13.7	11.2	5.0	2.5
85°	0.0	0.0	1.2	3.7	7.5	10.0	20.0	13.7	6.2	1.2
87.5°	0.0	0.0	0.0	1.2	1.2	2.5	7.5	5.0	2.5	1.2
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°
113800.2	113800.2	113800.2	113800.2	113800.2	113800.2	113800.2	113800.2	113800.2	113800.2
111975.9	112758.3	112836.9	112579.9	112977.9	112838.2	112019.6	111748.8	111428.2	110966.5
107537.5	107208.1	107608.7	107628.6	108070.3	108064.1	107109.5	106813.8	107359.1	106294.7
99738.8	99436.8	99903.5	99483.0	100267.9	100032.0	98874.1	98573.4	99192.3	98418.6
89873.7	89605.5	89516.9	89372.1	88925.4	89475.7	88685.8	88090.6	88930.4	87275.8
78435.2	78278.0	78080.8	77798.8	77666.5	78075.8	77570.5	76346.4	77573.0	74621.9
67185.1	67267.4	66418.9	66377.7	66304.1	66345.3	64930.3	65015.1	65928.5	63472.9
55005.3	55586.8	55742.8	55424.6	55934.9	55545.6	54587.3	54218.0	55180.0	53444.3
46495.4	46170.9	45973.8	45730.5	46492.9	45817.8	45188.9	44758.4	45518.3	44229.4
38005.4	37934.2	37593.6	37346.5	37307.8	37412.7	36232.2	36471.8	37047.1	36270.9
30905.4	30916.6	30357.6	30493.6	30529.8	30415.0	29641.4	29648.9	29847.3	28913.9
18955.3	18887.9	18613.4	18682.0	18719.4	18952.8	18680.7	18296.4	18019.4	17879.7
11951.4	11871.5	11674.4	12077.4	12348.2	12293.3	12051.2	11870.3	11619.5	11417.3
7944.7	7871.1	8129.4	8130.6	8377.7	8402.7	8160.6	8020.8	7795.0	7805.0
5167.1	5148.4	5255.7	5479.1	5653.8	5754.8	5570.2	5403.0	5248.2	5183.3
3221.8	3221.8	3409.0	3548.7	3775.8	3868.2	3733.4	3614.9	3488.8	3411.5
2011.4	1977.8	2111.3	2227.3	2424.5	2550.5	2485.6	2377.1	2288.5	2247.3
1299.0	1318.9	1375.1	1432.5	1568.5	1699.5	1663.3	1619.6	1566.0	1547.3
915.9	929.6	934.6	995.7	1071.9	1159.2	1181.7	1161.7	1134.2	1113.0
672.6	685.0	705.0	733.7	781.1	839.8	893.4	883.4	871.0	861.0
514.1	529.1	559.0	582.7	618.9	650.1	701.3	710.0	706.3	698.8
423.0	431.7	457.9	481.6	502.9	529.1	564.0	591.5	592.7	585.2
349.4	358.1	381.8	413.0	429.2	448.0	474.2	507.9	510.3	507.9
295.7	302.0	324.4	355.6	375.6	389.3	414.3	448.0	452.9	448.0
253.3	259.5	273.3	305.7	329.4	343.1	359.4	395.6	400.5	399.3
218.4	225.9	239.6	259.5	293.2	305.7	320.7	349.4	358.1	358.1
193.4	198.4	212.1	229.6	259.5	278.3	290.7	314.4	326.9	326.9
168.5	175.9	189.7	208.4	232.1	253.3	264.5	287.0	303.2	303.2
137.3	147.2	170.9	184.7	205.9	234.6	244.6	262.0	283.2	283.2
119.8	128.5	148.5	168.5	185.9	214.6	227.1	244.6	264.5	267.0
94.8	108.6	127.3	151.0	166.0	193.4	209.6	228.3	247.1	252.1
72.4	86.1	111.1	127.3	148.5	174.7	195.9	210.9	229.6	237.1
56.2	63.6	91.1	109.8	132.3	157.2	179.7	192.2	212.1	217.1
39.9	46.2	71.1	93.6	114.8	138.5	161.0	173.4	190.9	194.7
25.0	36.2	52.4	77.4	96.1	121.0	139.8	153.5	164.7	168.5
16.2	21.2	39.9	62.4	83.6	106.1	118.5	128.5	138.5	141.0
7.5	13.7	31.2	51.2	69.9	86.1	97.3	106.1	114.8	116.0
3.7	8.7	22.5	41.2	58.6	66.1	79.9	87.3	92.3	89.8
2.5	5.0	17.5	36.2	47.4	53.7	62.4	69.9	76.1	69.9
2.5	3.7	15.0	29.9	39.9	39.9	49.9	53.7	53.7	51.2
1.2	2.5	12.5	23.7	37.4	29.9	37.4	34.9	34.9	34.9
1.2	2.5	8.7	11.2	16.2	13.7	16.2	16.2	18.7	18.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
113800.2
110157.9
105049.4
96443.4
85890.8
74341.2
63280.7
52563.4
43348.4
35250.2
28497.2
17851.0
11491.0
7738.8
5194.6
3421.5
2237.3
1534.8
1115.5
861.0
693.8
584.0
506.6
449.2
399.3
359.4
328.2
303.2
284.5
265.8
252.1
238.3
215.9
192.2
168.5
141.0
114.8
89.8
68.6
49.9
33.7
18.7
0.0

(END OF REPORT)