

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: P636481

Luminaire Tested: **IFLD-S-SA3A-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636481
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7559.6 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8
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



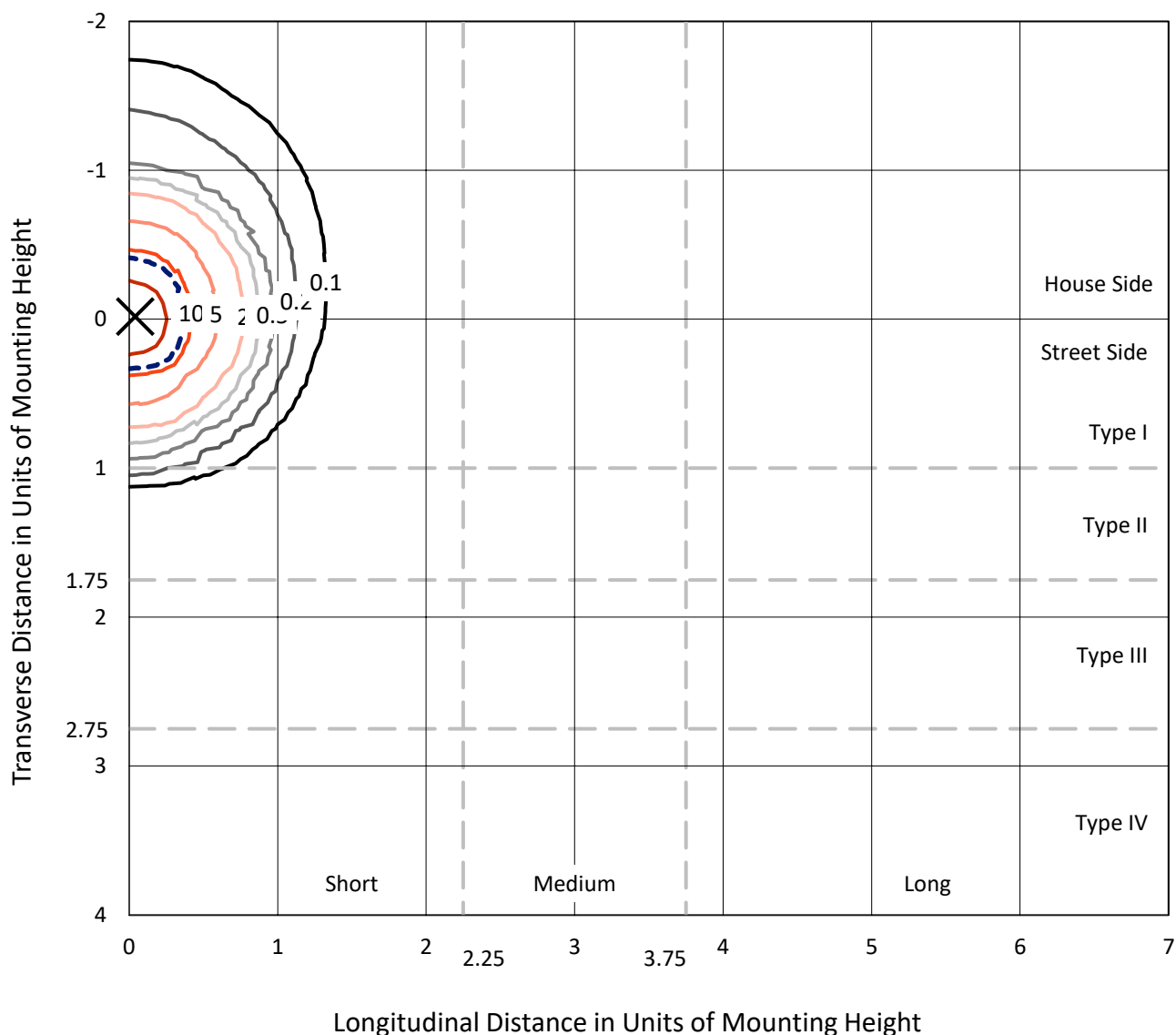
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

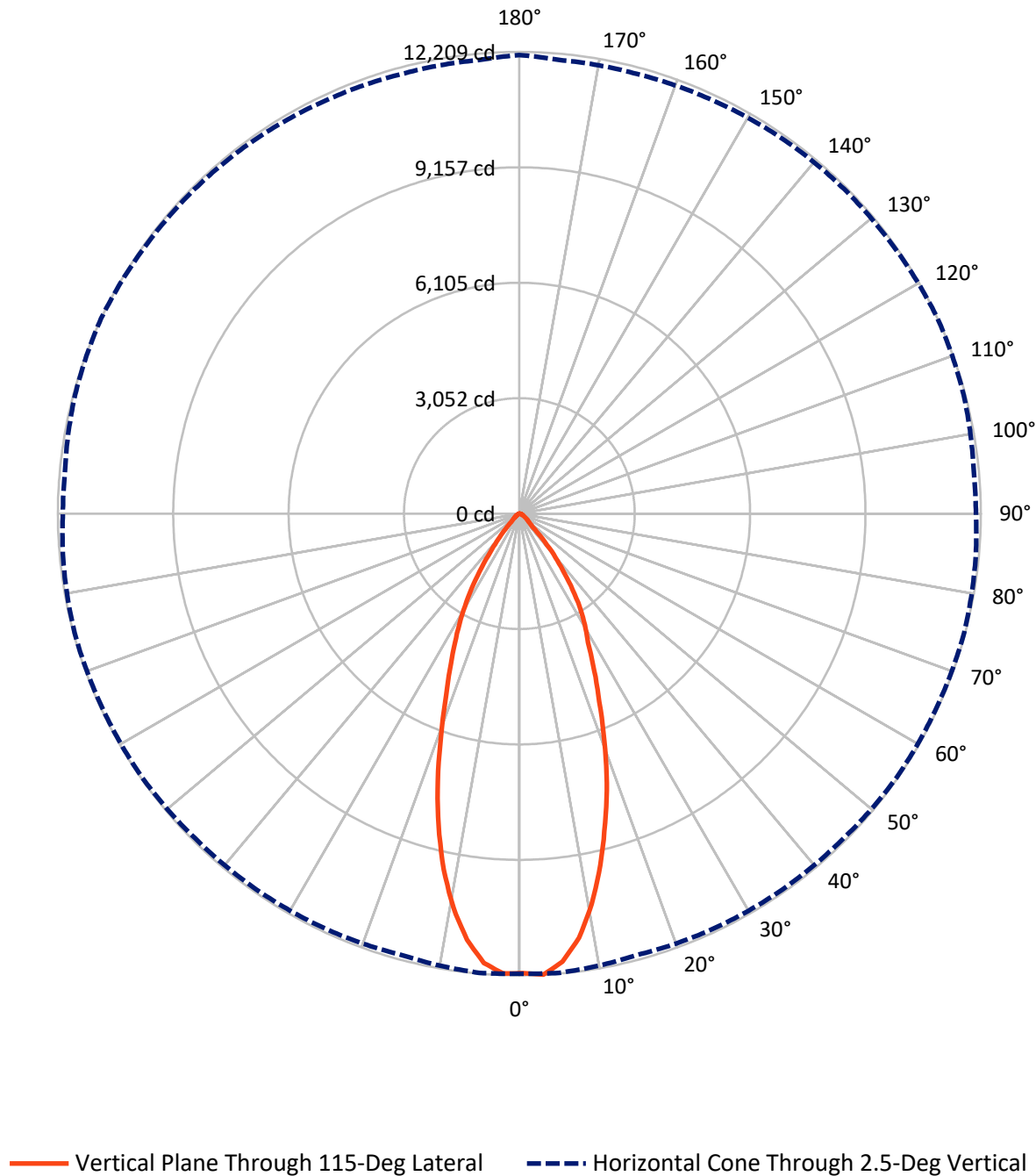


Based on 20 foot mounting height. Maximum calculated value = 30.4 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4172.0	0.0	4172.0
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	3387.6	0.0	3387.6
	% Fixture	44.8	0.0	44.8
Total	Lumens	7559.6	0.0	7559.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1089.9	14.4
10°-20°	2303.6	30.5
20°-30°	2079.1	27.5
30°-40°	1375.9	18.2
40°-50°	412.2	5.5
50°-60°	165.3	2.2
60°-70°	85.6	1.1
70°-80°	37.2	0.5
80°-90°	10.8	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°	7559.6	100.0
0°-180°	7559.6	100.0

Coefficient of Utilization



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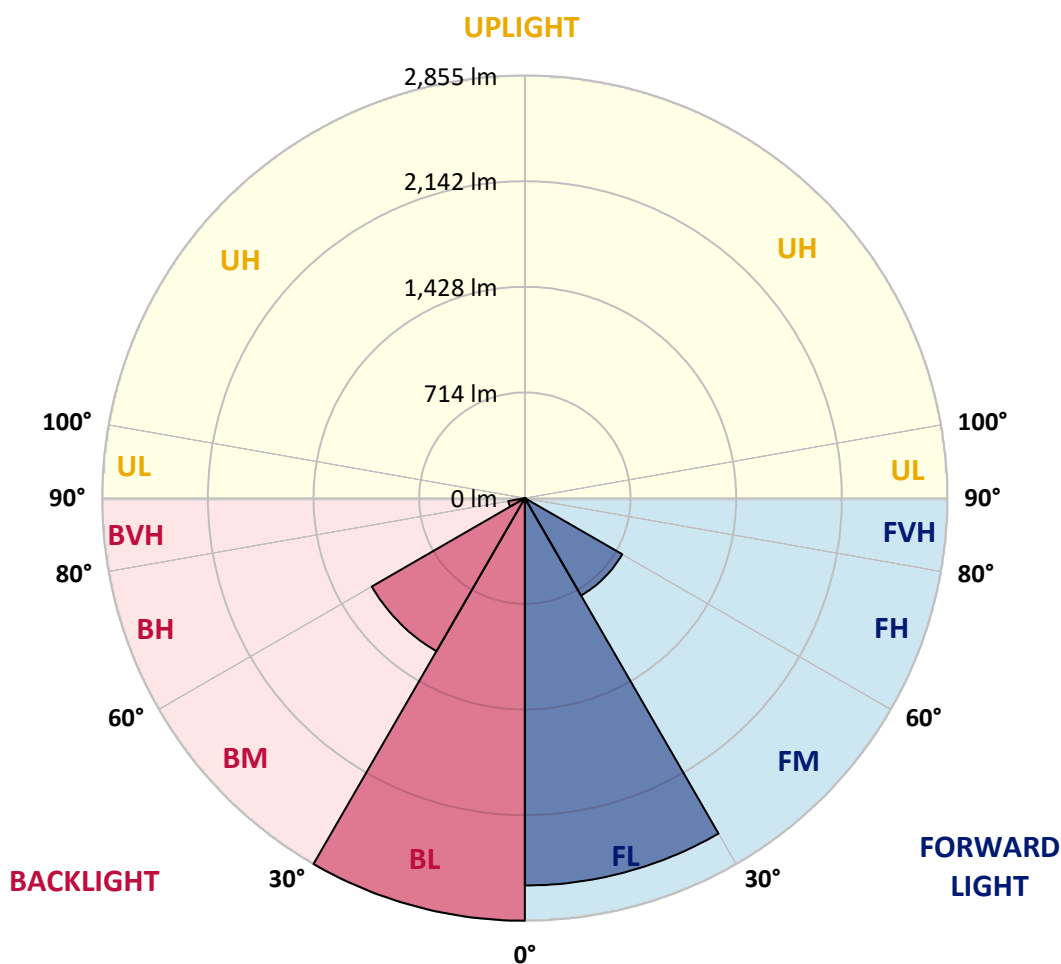
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2617.2	34.6			
FM	(30°-60°)	759.4	10.0			
FH	(60°-80°)	9.4	0.1			G0/660
FVH	(80°-90°)	1.5	0.0			G0/10
BL	(0°-30°)	2855.5	37.8	B4/5000		
BM	(30°-60°)	1193.9	15.8	B2/2500		
BH	(60°-80°)	113.4	1.5	B1/500		G1/500
BVH	(80°-90°)	9.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12152.1	12152.1	12152.1	12152.1	12152.1	12152.1	12152.1	12152.1	12152.1	12152.1
2.5°	12167.5	12189.2	12081.0	12118.1	12133.5	12138.2	12176.8	12170.6	12181.5	12124.3
5°	12006.8	11965.0	11884.6	11886.2	11881.5	11838.2	11926.4	11920.2	11901.6	11833.6
7.5°	11459.4	11519.7	11368.2	11365.1	11362.0	11309.5	11425.4	11354.3	11369.8	11272.4
10°	10658.6	10666.3	10531.8	10519.4	10530.3	10462.2	10596.7	10568.9	10598.3	10496.2
12.5°	9676.8	9720.1	9571.7	9550.1	9593.3	9497.5	9605.7	9619.6	9576.3	9562.4
15°	7589.6	7704.0	7985.4	8415.2	8526.6	8446.2	8532.7	8531.2	8549.7	8444.6
17.5°	5782.3	5793.1	5726.6	5932.3	7122.7	7509.2	7527.8	7380.9	7269.6	7231.0
20°	5047.9	5085.0	5024.7	5041.7	5231.9	6365.2	6408.4	6187.4	5997.2	5981.7
22.5°	4463.5	4486.7	4443.4	4457.3	4466.6	4599.5	5352.5	5157.7	5066.5	4996.9
25°	3968.8	3968.8	3945.6	3950.2	3940.9	3744.6	4131.1	4353.7	4301.2	4276.4
27.5°	3517.3	3523.5	3494.1	3511.1	3398.3	3081.3	3034.9	3692.0	3636.3	3591.5
30°	3089.0	3109.1	3081.3	3090.6	2844.8	2585.0	2452.1	3079.8	3149.3	3137.0
32.5°	2325.3	2416.5	2640.7	2650.0	2316.0	2116.6	2057.8	2472.2	2736.5	2713.3
35°	1440.9	1436.3	1445.6	1890.8	1776.4	1640.4	1662.0	1867.6	2166.0	2155.2
37.5°	1099.3	1097.7	1114.7	1069.9	1164.2	1244.6	1261.6	1261.6	1581.6	1583.2
40°	833.3	827.1	825.6	754.5	632.3	933.8	906.0	882.8	1099.3	1122.4
42.5°	531.8	550.4	536.5	459.2	412.8	510.2	569.0	550.4	678.7	695.7
45°	296.8	296.8	284.5	241.2	239.6	258.2	324.7	303.0	347.9	371.1
47.5°	143.8	140.7	154.6	190.2	197.9	191.7	231.9	241.2	262.8	284.5
50°	116.0	116.0	109.8	98.9	163.9	157.7	171.6	184.0	196.4	214.9
52.5°	97.4	97.4	89.7	83.5	94.3	120.6	122.1	145.3	143.8	170.1
55°	49.5	51.0	72.7	72.7	63.4	98.9	100.5	117.5	120.6	142.2
57.5°	4.6	6.2	9.3	44.8	49.5	54.1	75.8	86.6	100.5	109.8
60°	1.5	1.5	3.1	6.2	29.4	37.1	47.9	57.2	69.6	91.2
62.5°	0.0	0.0	1.5	3.1	6.2	23.2	26.3	29.4	41.7	57.2
65°	0.0	0.0	1.5	1.5	3.1	7.7	10.8	18.6	26.3	35.6
67.5°	0.0	0.0	1.5	1.5	3.1	4.6	6.2	9.3	12.4	23.2
70°	0.0	0.0	1.5	1.5	3.1	4.6	4.6	6.2	7.7	10.8
72.5°	0.0	0.0	1.5	1.5	3.1	6.2	4.6	4.6	6.2	7.7
75°	0.0	0.0	1.5	1.5	3.1	4.6	4.6	4.6	4.6	4.6
77.5°	0.0	0.0	1.5	1.5	3.1	4.6	4.6	4.6	3.1	3.1
80°	0.0	0.0	1.5	1.5	3.1	4.6	6.2	6.2	3.1	3.1
82.5°	0.0	0.0	1.5	3.1	3.1	7.7	9.3	7.7	3.1	1.5
85°	0.0	0.0	1.5	1.5	4.6	7.7	7.7	4.6	3.1	1.5
87.5°	0.0	0.0	0.0	1.5	1.5	3.1	4.6	4.6	1.5	1.5
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°
12152.1	0°	12152.1	12152.1	12152.1	12152.1	12152.1	12152.1	12152.1	12152.1	12152.1
12077.9	2.5°	12071.7	12166.0	12209.3	12164.5	12142.8	12111.9	12067.0	12036.1	12042.3
11796.5	5°	11770.2	11869.2	11903.2	11864.5	11832.0	11815.0	11807.3	11822.8	11863.0
11230.6	7.5°	11227.5	11290.9	11328.0	11309.5	11264.6	11315.7	11329.6	11320.3	11379.0
10465.3	10°	10468.4	10538.0	10504.0	10511.7	10459.1	10485.4	10477.7	10511.7	10570.5
9551.6	12.5°	9489.8	9556.2	9530.0	9525.3	9469.7	9519.1	9488.2	9525.3	9602.6
8401.3	15°	8461.6	8503.4	8486.4	8460.1	8410.6	8427.6	8523.5	8517.3	8551.3
7207.8	17.5°	7176.8	7377.8	7487.6	7510.8	7470.6	7504.6	7572.6	7555.6	7632.9
5949.3	20°	5938.4	6141.0	6411.5	6631.1	6635.7	6640.4	6683.6	6694.5	6760.9
4998.4	22.5°	4976.8	5120.6	5411.2	5701.9	5902.9	5944.6	5940.0	5955.4	5974.0
4242.4	25°	4231.6	4336.7	4602.6	4803.6	5156.1	5273.6	5307.6	5273.6	5284.5
3576.1	27.5°	3616.2	3777.0	3865.2	4080.1	4424.8	4696.9	4686.1	4666.0	4669.1
3112.2	30°	3110.7	3283.8	3413.7	3478.6	3738.4	4131.1	4171.3	4114.1	4115.6
2702.5	32.5°	2685.5	2739.6	2931.3	2983.9	3150.9	3508.0	3645.6	3602.3	3594.6
2161.4	35°	2224.8	2254.2	2342.3	2445.9	2544.8	2815.4	3042.7	3002.5	3022.6
1589.4	37.5°	1583.2	1703.8	1788.8	1873.8	1945.0	2115.0	2388.7	2351.6	2371.7
1125.5	40°	1116.3	1170.4	1317.2	1354.4	1459.5	1538.3	1770.2	1757.9	1782.6
698.8	42.5°	686.5	725.1	799.3	834.9	906.0	950.8	1086.9	1102.3	1134.8
386.5	45°	389.6	406.6	457.6	496.3	548.9	567.4	615.3	637.0	655.5
299.9	47.5°	296.8	315.4	349.4	383.4	426.7	442.2	476.2	508.7	525.7
231.9	50°	242.7	259.7	295.3	323.1	366.4	380.3	408.2	443.7	465.4
176.3	52.5°	184.0	208.7	252.0	281.4	326.2	343.2	369.5	405.1	425.2
145.3	55°	151.5	170.1	208.7	248.9	290.7	313.9	330.9	374.1	395.8
119.0	57.5°	129.9	143.8	168.5	216.4	252.0	286.0	299.9	340.1	361.8
94.3	60°	98.9	120.6	142.2	179.3	219.5	255.1	270.6	306.1	323.1
68.0	62.5°	81.9	95.9	123.7	143.8	188.6	225.7	241.2	273.7	286.0
44.8	65°	57.2	77.3	103.6	116.0	157.7	193.3	214.9	239.6	252.0
26.3	67.5°	34.0	57.2	81.9	98.9	128.3	163.9	187.1	210.3	221.1
15.5	70°	21.6	44.8	64.9	83.5	100.5	134.5	162.3	182.4	177.8
9.3	72.5°	12.4	27.8	47.9	68.0	83.5	112.9	139.1	154.6	109.8
6.2	75°	7.7	20.1	40.2	55.7	68.0	89.7	114.4	117.5	68.0
3.1	77.5°	6.2	15.5	30.9	44.8	46.4	66.5	80.4	91.2	51.0
3.1	80°	3.1	12.4	26.3	37.1	29.4	46.4	61.8	71.1	40.2
1.5	82.5°	3.1	7.7	20.1	26.3	21.6	35.6	44.8	51.0	34.0
1.5	85°	1.5	6.2	10.8	15.5	15.5	23.2	20.1	24.7	21.6
1.5	87.5°	1.5	3.1	6.2	7.7	6.2	9.3	10.8	10.8	9.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
12152.1
12125.8
11946.5
11437.8
10593.6
9616.5
8559.0
7620.6
6747.0
5940.0
5267.4
4673.8
4117.2
3613.2
3041.1
2388.7
1791.9
1171.9
654.0
533.4
474.6
439.1
402.0
371.1
326.2
287.6
252.0
219.5
163.9
97.4
63.4
51.0
41.7
37.1
21.6
7.7
0.0

(END OF REPORT)