

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: P636863

Luminaire Tested: **IFLD-S-SA6A-927-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636863  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-927-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (96) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12594 lumens  
Efficiency: N/A  
Efficacy: 66.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G2

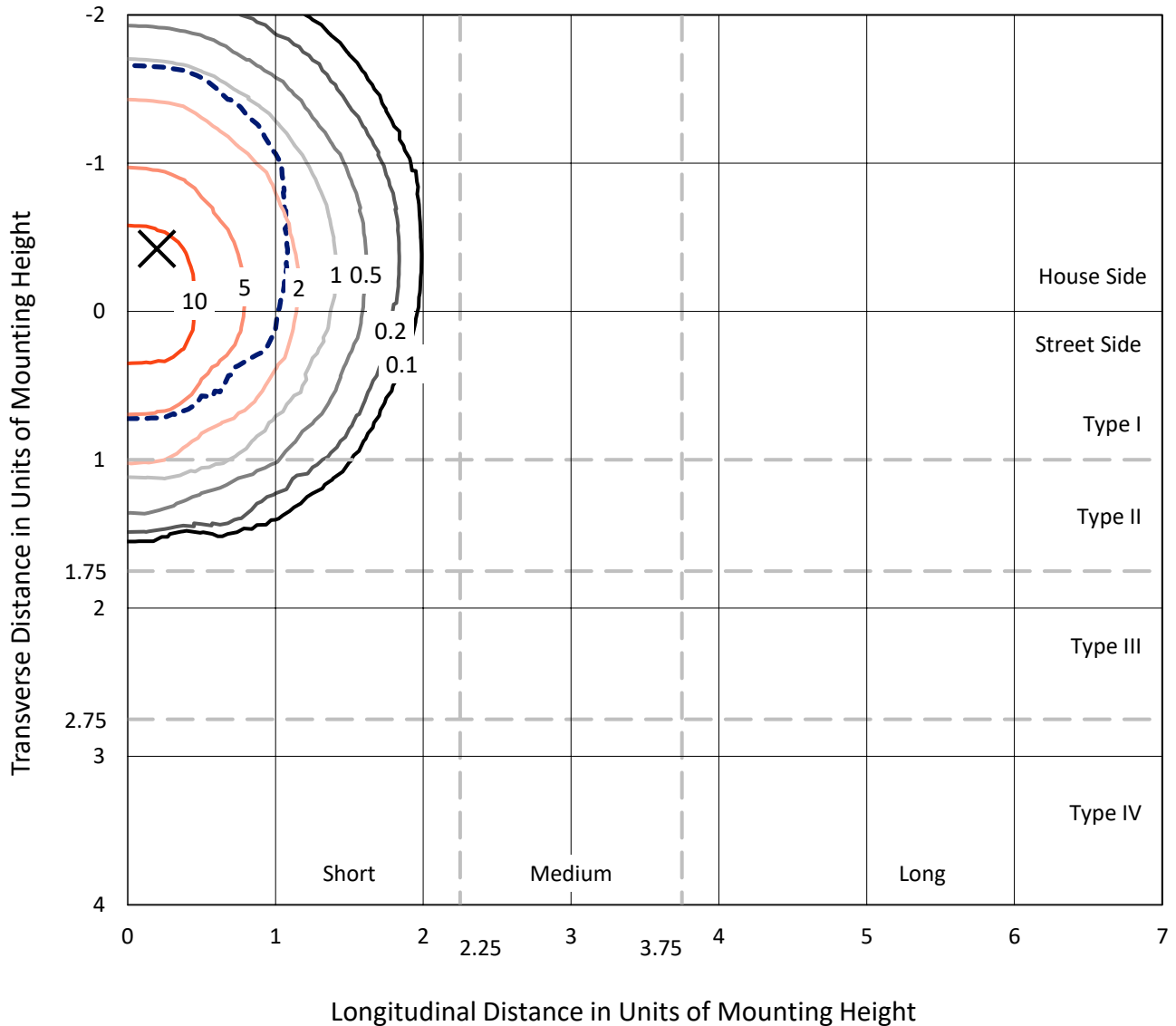
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

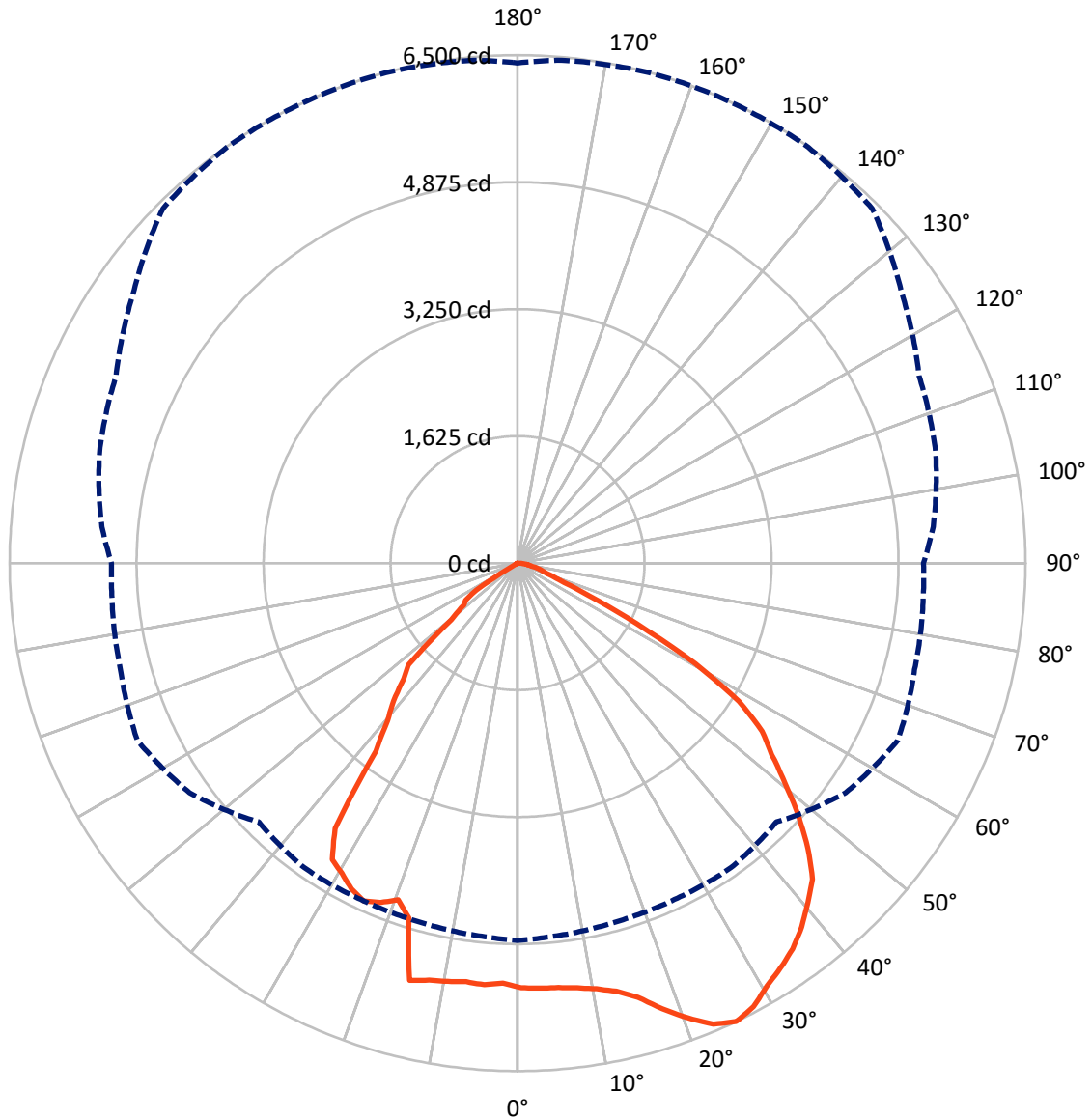
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.6 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral      - - - Horizontal Cone Through 25-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7797.0	0.0	7797.0
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	4797.0	0.0	4797.0
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	12594.0	0.0	12594.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	521.3	4.1
10°-20°	1591.8	12.6
20°-30°	2516.6	20.0
30°-40°	2842.7	22.6
40°-50°	2662.3	21.1
50°-60°	1835.5	14.6
60°-70°	493.1	3.9
70°-80°	102.8	0.8
80°-90°	27.8	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°-90°	12594.0	100.0
0°-180°	12594.0	100.0



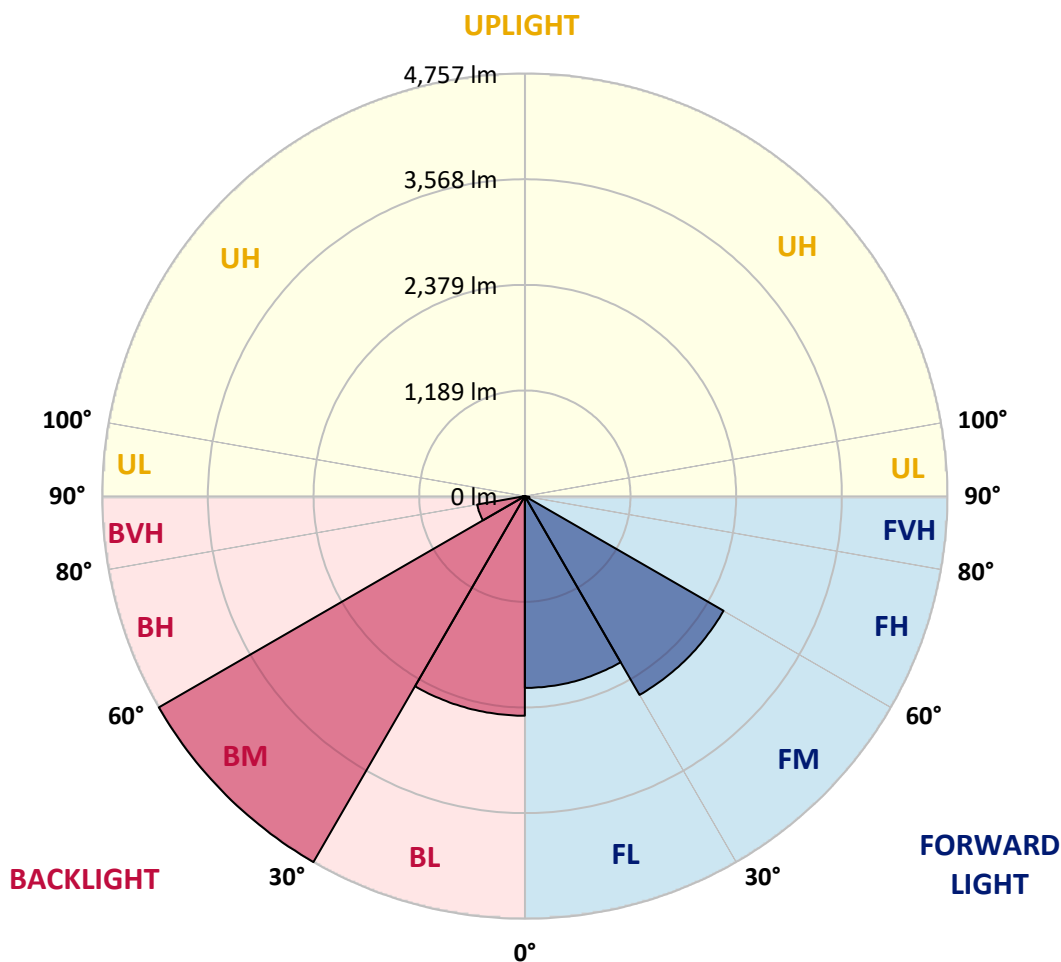
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2158.2	17.1			
FM (30°-60°)	2583.3	20.5			
FH (60°-80°)	51.8	0.4			G0/660
FVH (80°-90°)	3.7	0.0			G0/10
BL (0°-30°)	2471.6	19.6	B3/2500		
BM (30°-60°)	4757.2	37.8	B3/5000		
BH (60°-80°)	544.1	4.3	B2/1000		G2/1000
BVH (80°-90°)	24.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5434.1	5434.1	5434.1	5434.1	5434.1	5434.1	5434.1	5434.1	5434.1	5434.1
2.5°	5458.1	5423.0	5389.7	5378.6	5424.8	5474.8	5443.3	5445.2	5434.1	5454.4
5°	5498.9	5450.7	5428.5	5411.9	5419.3	5471.1	5426.7	5443.3	5424.8	5448.9
7.5°	5484.1	5450.7	5428.5	5397.1	5421.1	5482.2	5439.6	5441.5	5432.2	5454.4
10°	5474.8	5450.7	5423.0	5426.7	5454.4	5506.3	5472.9	5491.5	5478.5	5491.5
12.5°	5497.0	5471.1	5456.3	5456.3	5480.4	5539.6	5522.9	5539.6	5534.0	5545.1
15°	5287.9	5311.9	5452.6	5515.5	5563.6	5622.9	5615.5	5632.1	5635.8	5652.5
17.5°	4460.5	4436.5	4425.4	4749.3	5609.9	5793.1	5787.6	5785.7	5767.2	5754.3
20°	4569.7	4560.5	4547.5	4571.6	4667.8	5882.0	5919.0	5691.3	5624.7	5619.2
22.5°	4743.7	4728.9	4680.8	4682.6	4712.3	5113.9	5735.8	5528.5	5506.3	5493.3
25°	4828.9	4799.2	4760.4	4749.3	4758.5	4684.5	5123.1	5369.3	5260.1	5210.1
27.5°	4678.9	4680.8	4649.3	4678.9	4643.8	4310.6	4123.7	5058.4	5054.7	5032.4
30°	4566.0	4560.5	4523.5	4560.5	4318.0	3946.0	3866.4	4717.8	4678.9	4649.3
32.5°	4219.9	4223.6	4331.0	4475.3	4077.4	3783.1	3542.5	4214.4	4582.7	4566.0
35°	3018.7	3026.1	3407.4	4120.0	3712.8	3459.2	3440.7	3642.5	4430.9	4438.3
37.5°	2905.8	2905.8	2896.6	3013.2	3425.9	3327.8	3364.8	3344.5	4058.9	4077.4
40°	2824.4	2807.7	2794.8	2611.5	2382.0	3235.3	3261.2	3168.6	3836.8	3840.5
42.5°	2726.3	2707.8	2711.5	2372.8	2132.2	3005.8	2933.6	2809.6	3466.6	3470.3
45°	2546.8	2578.2	2600.4	2076.6	2058.1	2147.0	2705.9	2628.2	3216.8	3285.3
47.5°	1295.6	1323.4	2030.4	1910.1	1952.6	1908.2	2285.8	2287.6	2676.3	2904.0
50°	1175.3	1167.9	1169.7	1114.2	1802.7	1543.6	1652.8	2097.0	2143.3	2469.0
52.5°	1095.7	1093.8	980.9	871.7	1132.7	1358.5	1199.3	1517.7	1593.6	2091.5
55°	810.7	869.9	773.7	819.9	708.9	1088.3	1082.7	1369.6	1395.5	1676.9
57.5°	7.4	9.3	22.2	623.7	490.5	544.1	747.7	934.7	980.9	1306.7
60°	1.9	3.7	9.3	18.5	318.3	335.0	499.7	540.4	608.9	779.2
62.5°	0.0	0.0	3.7	9.3	16.7	137.0	159.2	174.0	268.4	397.9
65°	0.0	0.0	1.9	5.6	9.3	22.2	38.9	81.4	116.6	144.4
67.5°	0.0	0.0	1.9	3.7	7.4	11.1	22.2	31.5	50.0	85.1
70°	0.0	0.0	1.9	3.7	5.6	9.3	14.8	22.2	29.6	42.6
72.5°	0.0	0.0	1.9	3.7	3.7	11.1	11.1	16.7	22.2	27.8
75°	0.0	0.0	1.9	1.9	3.7	7.4	11.1	13.0	14.8	22.2
77.5°	0.0	0.0	1.9	3.7	5.6	7.4	9.3	14.8	13.0	13.0
80°	0.0	0.0	1.9	5.6	5.6	9.3	11.1	14.8	9.3	9.3
82.5°	0.0	0.0	1.9	7.4	5.6	18.5	18.5	20.4	7.4	7.4
85°	0.0	0.0	5.6	3.7	11.1	18.5	16.7	11.1	9.3	5.6
87.5°	0.0	0.0	1.9	1.9	3.7	5.6	13.0	11.1	3.7	3.7
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°
5434.1	0°	5434.1	5434.1	5434.1	5434.1	5434.1	5434.1	5434.1	5434.1	5434.1
5400.8	2.5°	5474.8	5450.7	5500.7	5495.2	5471.1	5460.0	5447.0	5435.9	5354.5
5404.5	5°	5476.7	5439.6	5500.7	5489.6	5485.9	5467.4	5456.3	5472.9	5398.9
5419.3	7.5°	5476.7	5439.6	5506.3	5510.0	5504.4	5489.6	5487.8	5498.9	5437.8
5445.2	10°	5513.7	5498.9	5554.4	5559.9	5552.5	5548.8	5539.6	5532.2	5467.4
5534.0	12.5°	5591.4	5561.8	5624.7	5641.4	5635.8	5645.1	5622.9	5634.0	5567.3
5624.7	15°	5685.8	5687.6	5735.8	5772.8	5769.1	5798.7	5765.4	5795.0	5746.9
5728.4	17.5°	5830.2	5850.5	5919.0	5974.5	5994.9	6017.1	5994.9	6004.1	5935.7
5613.6	20°	5678.4	5754.3	6083.7	6185.5	6228.1	6248.5	6211.4	6222.5	6154.1
5472.9	22.5°	5541.4	5639.5	5932.0	6250.3	6381.7	6422.4	6409.5	6407.6	6381.7
5195.3	25°	5339.7	5537.7	5669.1	6006.0	6418.7	6492.8	6500.2	6498.3	6459.5
5025.0	27.5°	5091.7	5136.1	5476.7	5682.1	6159.6	6440.9	6429.8	6376.2	6324.3
4671.5	30°	4775.2	4976.9	5130.5	5458.1	5824.6	6281.8	6281.8	6241.1	6187.4
4545.7	32.5°	4614.2	4875.1	5017.6	5136.1	5448.9	6104.1	6178.1	6135.6	6093.0
4447.6	35°	4529.0	4567.9	4901.0	5008.4	5273.1	5761.7	6061.5	6018.9	5987.5
4186.6	37.5°	4342.1	4432.8	4588.2	4875.1	4956.6	5482.2	5906.0	5883.8	5846.8
3847.9	40°	3925.6	4168.1	4406.9	4678.9	4764.1	5123.1	5717.3	5726.5	5676.5
3487.0	42.5°	3679.5	3844.2	4218.1	4401.3	4630.8	4891.8	5534.0	5548.8	5513.7
3303.8	45°	3390.7	3574.0	3836.8	4170.0	4482.7	4573.4	5210.1	5365.6	5336.0
2939.1	47.5°	3126.1	3274.1	3596.2	3933.0	4279.2	4266.2	4838.1	5130.5	5089.8
2659.7	50°	2750.4	3009.5	3161.2	3470.3	3986.7	4021.9	4442.0	4854.8	4821.5
2259.9	52.5°	2319.1	2644.9	2935.4	3218.6	3690.6	3773.9	4073.7	4573.4	4551.2
1726.8	55°	2026.7	2263.6	2591.2	2818.8	3331.5	3553.6	3797.9	4305.1	4294.0
1419.6	57.5°	1441.8	1899.0	2169.2	2487.5	2757.8	3159.4	3340.8	3759.1	3655.4
786.6	60°	977.2	1191.9	1521.4	1863.8	2045.2	2446.8	2615.2	2950.2	2922.5
470.1	62.5°	516.4	714.4	949.5	1121.6	1253.0	1643.6	1713.9	2074.8	2065.5
188.8	65°	227.7	301.7	514.5	603.4	738.5	919.9	980.9	1110.5	1079.0
92.5	67.5°	118.5	179.5	290.6	357.2	449.8	518.2	568.2	608.9	634.8
61.1	70°	72.2	131.4	179.5	248.0	309.1	364.6	403.5	459.0	492.3
31.5	72.5°	53.7	83.3	124.0	190.6	224.0	288.7	327.6	368.3	397.9
25.9	75°	29.6	55.5	99.9	149.9	179.5	235.1	270.2	298.0	307.2
14.8	77.5°	18.5	42.6	83.3	116.6	140.7	190.6	181.4	207.3	229.5
11.1	80°	13.0	31.5	64.8	96.2	98.1	122.2	144.4	166.6	181.4
7.4	82.5°	9.3	25.9	48.1	74.0	64.8	94.4	112.9	129.6	94.4
5.6	85°	7.4	18.5	24.1	44.4	37.0	66.6	57.4	55.5	37.0
3.7	87.5°	5.6	9.3	16.7	20.4	14.8	14.8	18.5	22.2	18.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
5434.1  
5299.0  
5336.0  
5367.5  
5413.7  
5508.1  
5667.3  
5876.4  
6105.9  
6298.4  
6400.2  
6283.6  
6167.0  
6057.8  
5943.1  
5809.8  
5665.4  
5510.0  
5339.7  
5119.4  
4827.0  
4566.0  
4306.9  
3644.3  
2924.3  
2067.4  
1066.1  
634.8  
494.2  
403.5  
301.7  
233.2  
183.2  
68.5  
37.0  
18.5  
0.0

(END OF REPORT)