

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: P636924

Luminaire Tested: **IFLD-S-SA6D-935-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636924  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-935-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (96) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22375.9 lumens  
Efficiency: N/A  
Efficacy: 60.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G2

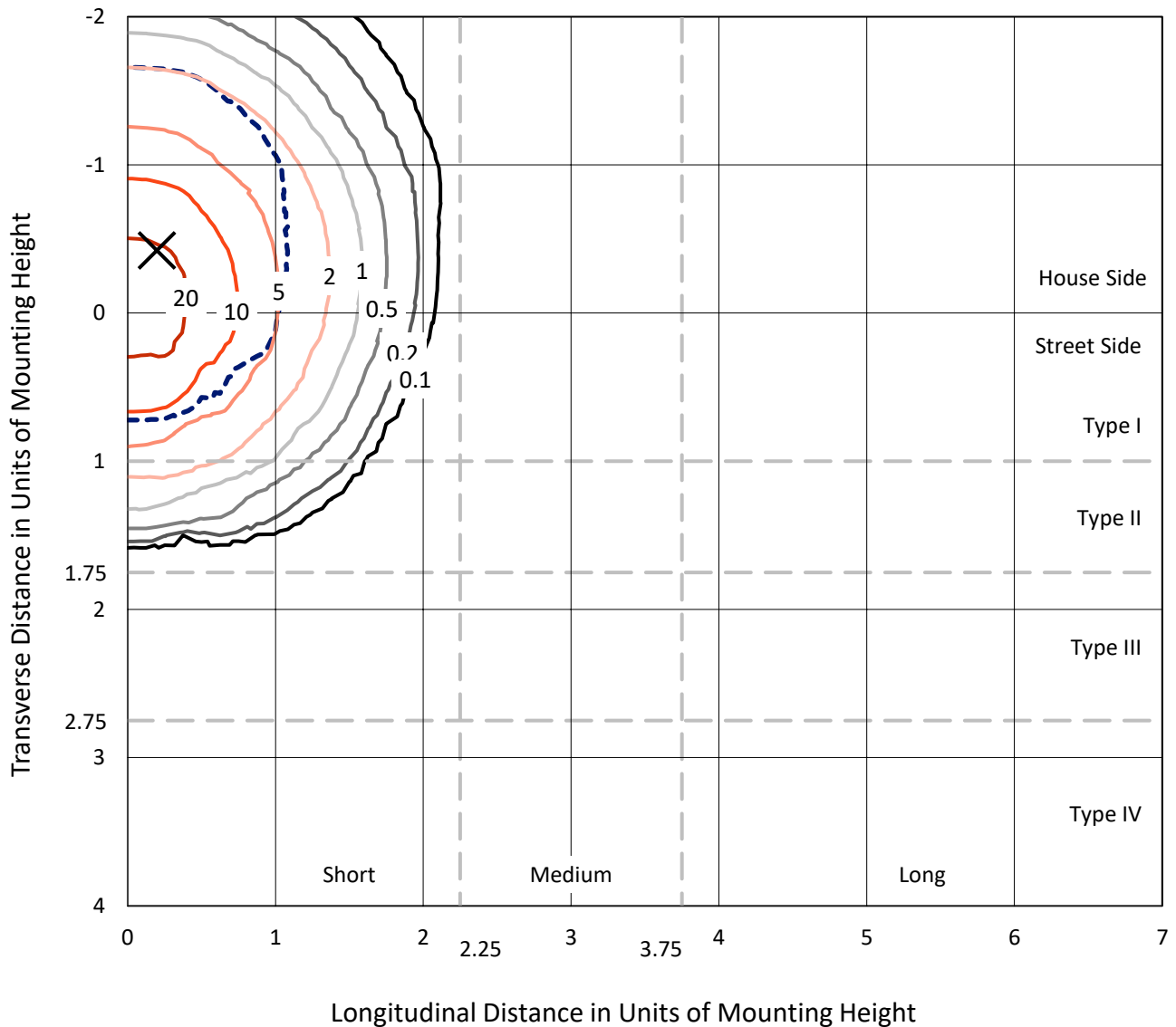
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

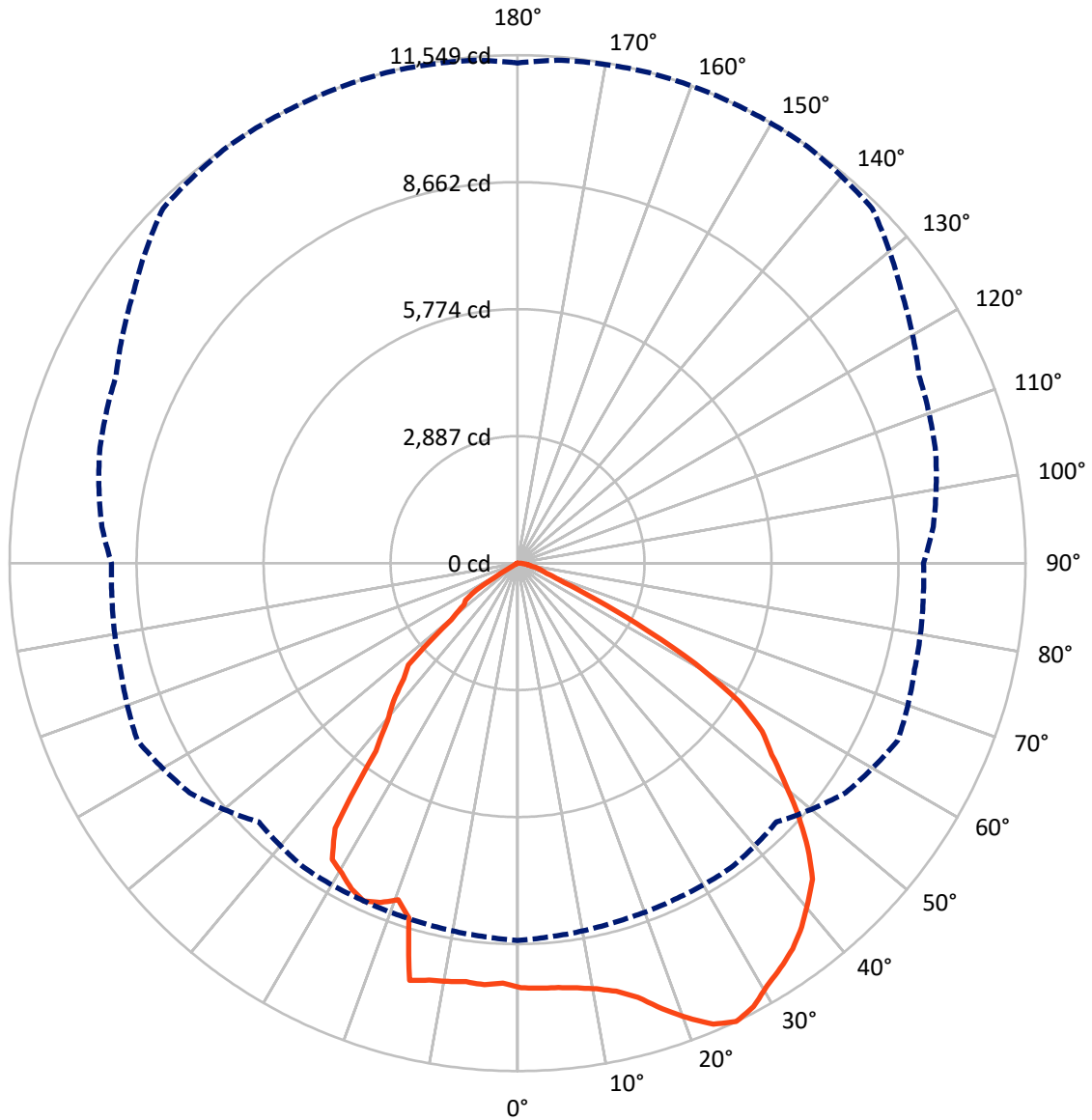
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 24.1 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	13853.0	0.0	13853.0
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	8522.9	0.0	8522.9
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	22375.9	0.0	22375.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	926.3	4.1
10°-20°	2828.3	12.6
20°-30°	4471.3	20.0
30°-40°	5050.8	22.6
40°-50°	4730.1	21.1
50°-60°	3261.1	14.6
60°-70°	876.2	3.9
70°-80°	182.6	0.8
80°-90°	49.4	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°	22375.9	100.0
0°-180°	22375.9	100.0



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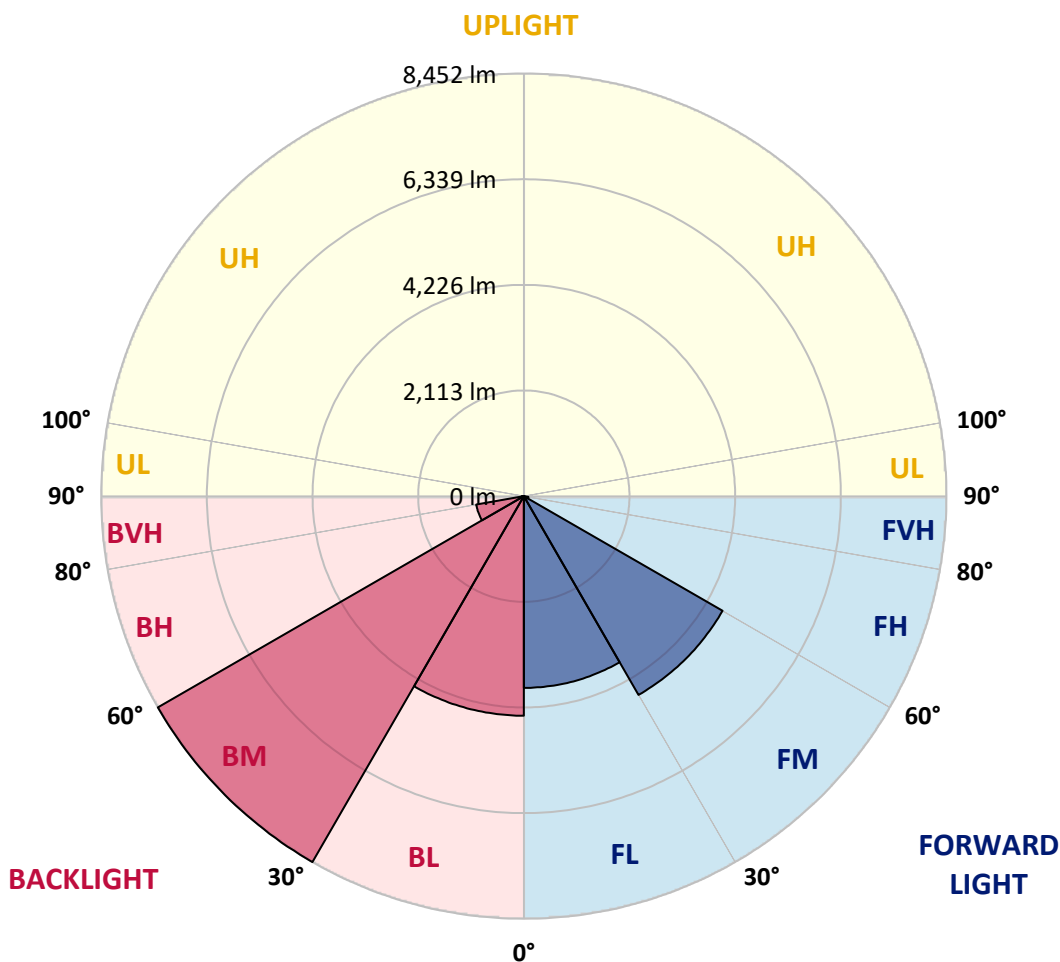
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3834.5	17.1			
FM (30°-60°)	4589.8	20.5			
FH (60°-80°)	92.0	0.4			G0/660
FVH (80°-90°)	6.6	0.0			G0/10
BL (0°-30°)	4391.3	19.6	B4/5000		
BM (30°-60°)	8452.2	37.8	B4/8500		
BH (60°-80°)	966.8	4.3	B2/1000		G2/1000
BVH (80°-90°)	42.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9654.8	9654.8	9654.8	9654.8	9654.8	9654.8	9654.8	9654.8	9654.8	9654.8
2.5°	9697.6	9635.1	9575.9	9556.2	9638.4	9727.2	9671.3	9674.5	9654.8	9691.0
5°	9769.9	9684.4	9644.9	9615.3	9628.5	9720.6	9641.7	9671.3	9638.4	9681.1
7.5°	9743.6	9684.4	9644.9	9589.0	9631.8	9740.3	9664.7	9668.0	9651.5	9691.0
10°	9727.2	9684.4	9635.1	9641.7	9691.0	9783.1	9723.9	9756.8	9733.7	9756.8
12.5°	9766.6	9720.6	9694.3	9694.3	9737.0	9842.2	9812.7	9842.2	9832.4	9852.1
15°	9395.0	9437.8	9687.7	9799.5	9885.0	9990.2	9977.1	10006.7	10013.2	10042.8
17.5°	7925.1	7882.3	7862.6	8438.1	9967.2	10292.8	10282.9	10279.6	10246.7	10223.7
20°	8119.1	8102.7	8079.7	8122.4	8293.4	10450.6	10516.4	10111.9	9993.5	9983.7
22.5°	8428.2	8401.9	8316.4	8319.7	8372.3	9085.9	10190.8	9822.5	9783.1	9760.0
25°	8579.5	8526.9	8457.8	8438.1	8454.5	8323.0	9102.4	9539.7	9345.7	9256.9
27.5°	8313.1	8316.4	8260.5	8313.1	8250.7	7658.7	7326.6	8987.3	8980.7	8941.2
30°	8112.5	8102.7	8036.9	8102.7	7671.9	7010.9	6869.5	8382.2	8313.1	8260.5
32.5°	7497.6	7504.2	7694.9	7951.4	7244.4	6721.5	6294.0	7487.7	8142.1	8112.5
35°	5363.4	5376.6	6054.0	7320.0	6596.6	6146.1	6113.2	6471.6	7872.5	7885.6
37.5°	5162.8	5162.8	5146.4	5353.6	6086.9	5912.6	5978.4	5942.2	7211.5	7244.4
40°	5018.1	4988.5	4965.5	4640.0	4232.2	5748.2	5794.2	5629.8	6816.9	6823.5
42.5°	4843.8	4811.0	4817.5	4215.8	3788.3	5340.4	5212.1	4991.8	6159.2	6165.8
45°	4524.9	4580.8	4620.2	3689.6	3656.7	3814.6	4807.7	4669.6	5715.3	5837.0
47.5°	2301.9	2351.2	3607.4	3393.7	3469.3	3390.4	4061.2	4064.5	4755.1	5159.5
50°	2088.1	2075.0	2078.3	1979.6	3202.9	2742.5	2936.6	3725.8	3808.0	4386.8
52.5°	1946.7	1943.5	1742.9	1548.8	2012.5	2413.7	2130.9	2696.5	2831.3	3715.9
55°	1440.3	1545.6	1374.6	1456.8	1259.5	1933.6	1923.7	2433.4	2479.5	2979.3
57.5°	13.2	16.4	39.5	1108.2	871.4	966.8	1328.5	1660.7	1742.9	2321.6
60°	3.3	6.6	16.4	32.9	565.6	595.2	887.9	960.2	1081.9	1384.4
62.5°	0.0	0.0	6.6	16.4	29.6	243.3	282.8	309.1	476.8	707.0
65°	0.0	0.0	3.3	9.9	16.4	39.5	69.1	144.7	207.2	256.5
67.5°	0.0	0.0	3.3	6.6	13.2	19.7	39.5	55.9	88.8	151.3
70°	0.0	0.0	3.3	6.6	9.9	16.4	26.3	39.5	52.6	75.6
72.5°	0.0	0.0	3.3	6.6	6.6	19.7	19.7	29.6	39.5	49.3
75°	0.0	0.0	3.3	3.3	6.6	13.2	19.7	23.0	26.3	39.5
77.5°	0.0	0.0	3.3	6.6	9.9	13.2	16.4	26.3	23.0	23.0
80°	0.0	0.0	3.3	9.9	9.9	16.4	19.7	26.3	16.4	16.4
82.5°	0.0	0.0	3.3	13.2	9.9	32.9	32.9	36.2	13.2	13.2
85°	0.0	0.0	9.9	6.6	19.7	32.9	29.6	19.7	16.4	9.9
87.5°	0.0	0.0	3.3	3.3	6.6	9.9	23.0	19.7	6.6	6.6
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°
9654.8	0°	9654.8	9654.8	9654.8	9654.8	9654.8	9654.8	9654.8	9654.8	9654.8
9595.6	2.5°	9727.2	9684.4	9773.2	9763.3	9720.6	9700.8	9677.8	9658.1	9513.4
9602.2	5°	9730.4	9664.7	9773.2	9753.5	9746.9	9714.0	9694.3	9723.9	9592.3
9628.5	7.5°	9730.4	9664.7	9783.1	9789.6	9779.8	9753.5	9750.2	9769.9	9661.4
9674.5	10°	9796.2	9769.9	9868.6	9878.4	9865.3	9858.7	9842.2	9829.1	9714.0
9832.4	12.5°	9934.3	9881.7	9993.5	10023.1	10013.2	10029.7	9990.2	10010.0	9891.6
9993.5	15°	10102.0	10105.3	10190.8	10256.6	10250.0	10302.6	10243.4	10296.1	10210.6
10177.7	17.5°	10358.5	10394.7	10516.4	10615.0	10651.2	10690.7	10651.2	10667.6	10546.0
9973.8	20°	10088.9	10223.7	10809.0	10989.9	11065.5	11101.7	11035.9	11055.7	10934.0
9723.9	22.5°	9845.5	10019.8	10539.4	11105.0	11338.5	11410.8	11387.8	11384.5	11338.5
9230.6	25°	9487.1	9839.0	10072.4	10670.9	11404.2	11535.8	11548.9	11545.7	11476.6
8928.1	27.5°	9046.5	9125.4	9730.4	10095.5	10943.9	11443.7	11424.0	11328.6	11236.5
8300.0	30°	8484.1	8842.6	9115.5	9697.6	10348.7	11160.9	11160.9	11088.6	10993.2
8076.4	32.5°	8198.0	8661.7	8914.9	9125.4	9681.1	10845.2	10976.8	10901.1	10825.5
7902.1	35°	8046.8	8115.8	8707.7	8898.5	9368.7	10236.9	10769.6	10694.0	10638.0
7438.4	37.5°	7714.6	7875.8	8152.0	8661.7	8806.4	9740.3	10493.4	10453.9	10388.1
6836.6	40°	6974.7	7405.5	7829.7	8313.1	8464.4	9102.4	10157.9	10174.4	10085.6
6195.4	42.5°	6537.4	6830.1	7494.3	7819.9	8227.6	8691.3	9832.4	9858.7	9796.2
5869.8	45°	6024.4	6349.9	6816.9	7408.8	7964.6	8125.7	9256.9	9533.1	9480.5
5222.0	47.5°	5554.1	5817.2	6389.4	6987.9	7602.8	7579.8	8595.9	9115.5	9043.2
4725.5	50°	4886.6	5347.0	5616.6	6165.8	7083.3	7145.7	7892.2	8625.5	8566.3
4015.2	52.5°	4120.4	4699.2	5215.4	5718.6	6557.1	6705.1	7237.8	8125.7	8086.2
3068.1	55°	3600.8	4021.7	4603.8	5008.3	5919.2	6313.8	6747.8	7648.9	7629.1
2522.2	57.5°	2561.7	3373.9	3854.0	4419.6	4899.7	5613.3	5935.6	6678.8	6494.6
1397.6	60°	1736.3	2117.7	2703.1	3311.4	3633.7	4347.3	4646.5	5241.7	5192.4
835.3	62.5°	917.5	1269.3	1687.0	1992.8	2226.3	2920.1	3045.1	3686.3	3669.9
335.4	65°	404.5	536.0	914.2	1072.0	1312.1	1634.3	1742.9	1973.1	1917.2
164.4	67.5°	210.5	319.0	516.3	634.7	799.1	920.8	1009.5	1081.9	1127.9
108.5	70°	128.2	233.5	319.0	440.6	549.2	647.8	716.9	815.5	874.7
55.9	72.5°	95.4	148.0	220.3	338.7	397.9	513.0	582.1	654.4	707.0
46.0	75°	52.6	98.7	177.6	266.4	319.0	417.6	480.1	529.4	545.9
26.3	77.5°	32.9	75.6	148.0	207.2	249.9	338.7	322.3	368.3	407.8
19.7	80°	23.0	55.9	115.1	171.0	174.3	217.0	256.5	296.0	322.3
13.2	82.5°	16.4	46.0	85.5	131.5	115.1	167.7	200.6	230.2	167.7
9.9	85°	13.2	32.9	42.7	78.9	65.8	118.4	101.9	98.7	65.8
6.6	87.5°	9.9	16.4	29.6	36.2	26.3	26.3	32.9	39.5	32.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
9654.8  
9414.8  
9480.5  
9536.4  
9618.6  
9786.3  
10069.2  
10440.7  
10848.5  
11190.5  
*11371.4*  
11164.2  
10957.0  
10763.0  
10559.1  
10322.4  
10065.9  
9789.6  
9487.1  
9095.8  
8576.2  
8112.5  
7652.2  
6474.9  
5195.7  
3673.2  
1894.1  
1127.9  
878.0  
716.9  
536.0  
414.3  
325.6  
121.7  
65.8  
32.9  
0.0

(END OF REPORT)