

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: P638411

Luminaire Tested: **IFLD-L-SA7B-735-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P638411  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-735-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (112) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25887.8 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G3

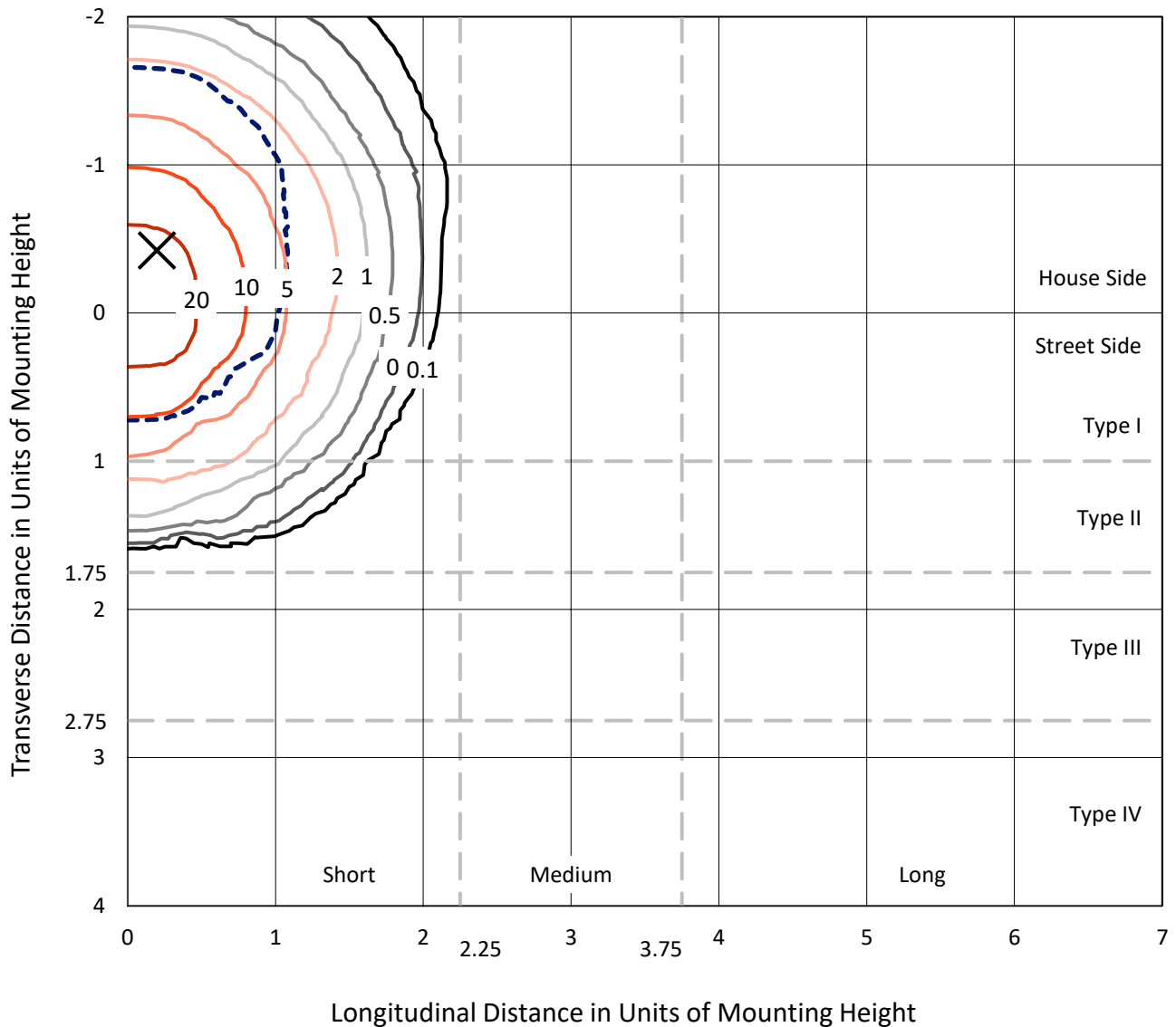
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

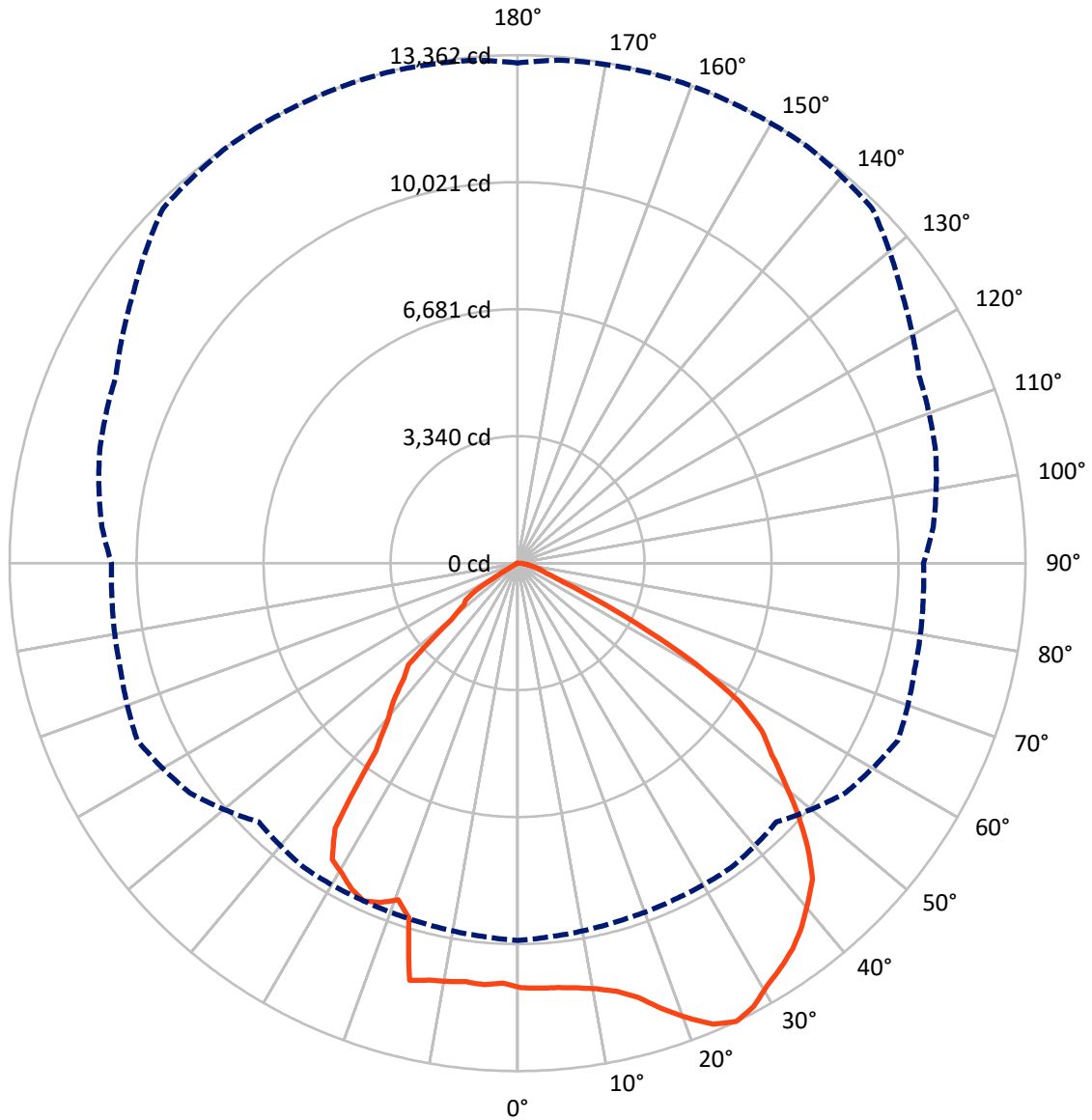
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 27.9 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	16027.2	0.0	16027.2
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	9860.6	0.0	9860.6
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	25887.8	0.0	25887.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1071.6	4.1
10°-20°	3272.2	12.6
20°-30°	5173.1	20.0
30°-40°	5843.5	22.6
40°-50°	5472.5	21.1
50°-60°	3772.9	14.6
60°-70°	1013.7	3.9
70°-80°	211.2	0.8
80°-90°	57.1	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°	25887.8	100.0
0°-180°	25887.8	100.0



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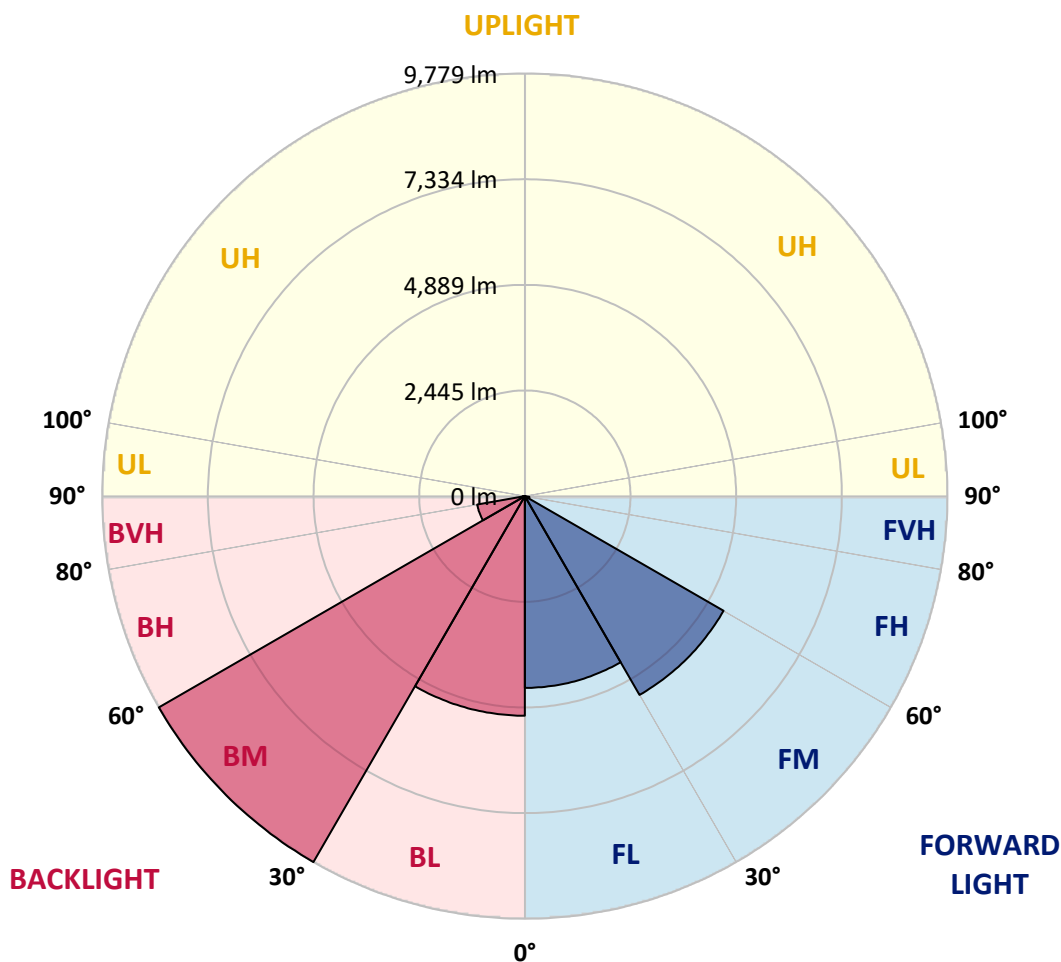
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4436.3	17.1			
FM (30°-60°)	5310.2	20.5			
FH (60°-80°)	106.4	0.4			G0/660
FVH (80°-90°)	7.7	0.0			G0/10
BL (0°-30°)	5080.5	19.6	B5		
BM (30°-60°)	9778.7	37.8	B5		
BH (60°-80°)	1118.5	4.3	B3/2500		G3/2500
BVH (80°-90°)	49.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11170.1	11170.1	11170.1	11170.1	11170.1	11170.1	11170.1	11170.1	11170.1	11170.1
2.5°	11219.6	11147.3	11078.8	11056.0	11151.1	11253.8	11189.2	11193.0	11170.1	11212.0
5°	11303.3	11204.4	11158.7	11124.5	11139.7	11246.2	11154.9	11189.2	11151.1	11200.6
7.5°	11272.9	11204.4	11158.7	11094.0	11143.5	11269.0	11181.5	11185.3	11166.3	11212.0
10°	11253.8	11204.4	11147.3	11154.9	11212.0	11318.5	11250.0	11288.1	11261.4	11288.1
12.5°	11299.5	11246.2	11215.8	11215.8	11265.2	11387.0	11352.7	11387.0	11375.6	11398.4
15°	10869.6	10919.0	11208.2	11337.5	11436.4	11558.2	11543.0	11577.2	11584.8	11619.1
17.5°	9168.9	9119.5	9096.7	9762.5	11531.6	11908.2	11896.8	11893.0	11854.9	11828.3
20°	9393.4	9374.4	9347.8	9397.2	9595.1	12090.8	12166.9	11699.0	11562.0	11550.6
22.5°	9751.0	9720.6	9621.7	9625.5	9686.4	10511.9	11790.3	11364.2	11318.5	11291.9
25°	9926.0	9865.2	9785.3	9762.5	9781.5	9629.3	10531.0	11037.0	10812.5	10709.8
27.5°	9617.9	9621.7	9557.0	9617.9	9545.6	8860.8	8476.5	10397.8	10390.2	10344.5
30°	9385.8	9374.4	9298.3	9374.4	8876.0	8111.3	7947.7	9697.8	9617.9	9557.0
32.5°	8674.4	8682.0	8902.6	9199.4	8381.4	7776.5	7281.9	8662.9	9420.0	9385.8
35°	6205.2	6220.4	7004.2	8468.9	7631.9	7110.7	7072.6	7487.3	9108.1	9123.3
37.5°	5973.1	5973.1	5954.1	6193.8	7042.2	6840.6	6916.7	6874.8	8343.4	8381.4
40°	5805.7	5771.5	5744.9	5368.2	4896.4	6650.3	6703.6	6513.4	7886.8	7894.4
42.5°	5604.1	5566.0	5573.7	4877.4	4382.8	6178.6	6030.2	5775.3	7125.9	7133.5
45°	5235.0	5299.7	5345.4	4268.7	4230.6	4413.3	5562.2	5402.4	6612.3	6753.1
47.5°	2663.2	2720.2	4173.6	3926.3	4013.8	3922.5	4698.6	4702.4	5501.4	5969.3
50°	2415.9	2400.7	2404.5	2290.3	3705.6	3173.0	3397.5	4310.5	4405.7	5075.3
52.5°	2252.3	2248.5	2016.4	1791.9	2328.4	2792.5	2465.3	3119.7	3275.7	4299.1
55°	1666.4	1788.1	1590.3	1685.4	1457.1	2237.1	2225.7	2815.4	2868.6	3446.9
57.5°	15.2	19.0	45.7	1282.1	1008.2	1118.5	1537.0	1921.3	2016.4	2686.0
60°	3.8	7.6	19.0	38.0	654.4	688.6	1027.2	1110.9	1251.7	1601.7
62.5°	0.0	0.0	7.6	19.0	34.2	281.5	327.2	357.6	551.7	818.0
65°	0.0	0.0	3.8	11.4	19.0	45.7	79.9	167.4	239.7	296.8
67.5°	0.0	0.0	3.8	7.6	15.2	22.8	45.7	64.7	102.7	175.0
70°	0.0	0.0	3.8	7.6	11.4	19.0	30.4	45.7	60.9	87.5
72.5°	0.0	0.0	3.8	7.6	7.6	22.8	22.8	34.2	45.7	57.1
75°	0.0	0.0	3.8	3.8	7.6	15.2	22.8	26.6	30.4	45.7
77.5°	0.0	0.0	3.8	7.6	11.4	15.2	19.0	30.4	26.6	26.6
80°	0.0	0.0	3.8	11.4	11.4	19.0	22.8	30.4	19.0	19.0
82.5°	0.0	0.0	3.8	15.2	11.4	38.0	38.0	41.8	15.2	15.2
85°	0.0	0.0	11.4	7.6	22.8	38.0	34.2	22.8	19.0	11.4
87.5°	0.0	0.0	3.8	3.8	7.6	11.4	26.6	22.8	7.6	7.6
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°
11170.1	0°	11170.1	11170.1	11170.1	11170.1	11170.1	11170.1	11170.1	11170.1	11170.1
11101.7	2.5°	11253.8	11204.4	11307.1	11295.7	11246.2	11223.4	11196.8	11173.9	11006.5
11109.3	5°	11257.6	11181.5	11307.1	11284.3	11276.7	11238.6	11215.8	11250.0	11097.8
11139.7	7.5°	11257.6	11181.5	11318.5	11326.1	11314.7	11284.3	11280.5	11303.3	11177.7
11193.0	10°	11333.7	11303.3	11417.4	11428.8	11413.6	11406.0	11387.0	11371.8	11238.6
11375.6	12.5°	11493.5	11432.6	11562.0	11596.2	11584.8	11603.8	11558.2	11581.0	11444.1
11562.0	15°	11687.5	11691.4	11790.3	11866.4	11858.8	11919.6	11851.1	11912.0	11813.1
11775.1	17.5°	11984.3	12026.2	12166.9	12281.1	12322.9	12368.6	12322.9	12341.9	12201.2
11539.2	20°	11672.3	11828.3	12505.5	12714.8	12802.3	12844.1	12768.0	12790.9	12650.1
11250.0	22.5°	11390.8	11592.4	12193.6	12847.9	13118.1	13201.8	13175.1	13171.3	13118.1
10679.3	25°	10976.1	11383.2	11653.3	12345.7	13194.1	13346.3	13361.5	13357.7	13277.8
10329.3	27.5°	10466.3	10557.6	11257.6	11679.9	12661.5	13239.8	13217.0	13106.6	13000.1
9602.7	30°	9815.7	10230.4	10546.2	11219.6	11972.9	12912.6	12912.6	12828.9	12718.6
9344.0	32.5°	9484.7	10021.2	10314.1	10557.6	11200.6	12547.4	12699.6	12612.1	12524.5
9142.3	35°	9309.7	9389.6	10074.4	10295.1	10839.1	11843.5	12459.9	12372.4	12307.7
8605.9	37.5°	8925.5	9111.9	9431.5	10021.2	10188.6	11269.0	12140.3	12094.6	12018.5
7909.6	40°	8069.4	8567.8	9058.6	9617.9	9792.9	10531.0	11752.2	11771.2	11668.5
7167.8	42.5°	7563.4	7902.0	8670.5	9047.2	9519.0	10055.4	11375.6	11406.0	11333.7
6791.1	45°	6969.9	7346.6	7886.8	8571.6	9214.6	9401.0	10709.8	11029.4	10968.5
6041.6	47.5°	6425.9	6730.2	7392.2	8084.6	8796.1	8769.5	9945.1	10546.2	10462.5
5467.1	50°	5653.5	6186.2	6498.2	7133.5	8195.0	8267.3	9130.9	9979.3	9910.8
4645.3	52.5°	4767.1	5436.7	6034.0	6616.1	7586.3	7757.5	8373.8	9401.0	9355.4
3549.6	55°	4166.0	4653.0	5326.4	5794.3	6848.2	7304.7	7806.9	8849.4	8826.5
2918.1	57.5°	2963.7	3903.5	4458.9	5113.3	5668.8	6494.4	6867.2	7727.0	7514.0
1616.9	60°	2008.8	2450.1	3127.3	3831.2	4204.0	5029.6	5375.8	6064.4	6007.4
966.4	62.5°	1061.5	1468.6	1951.7	2305.6	2575.7	3378.4	3523.0	4264.9	4245.9
388.1	65°	468.0	620.1	1057.7	1240.3	1518.0	1890.9	2016.4	2282.7	2218.0
190.2	67.5°	243.5	369.0	597.3	734.3	924.5	1065.3	1168.0	1251.7	1305.0
125.5	70°	148.4	270.1	369.0	509.8	635.4	749.5	829.4	943.5	1012.0
64.7	72.5°	110.3	171.2	254.9	391.9	460.3	593.5	673.4	757.1	818.0
53.3	75°	60.9	114.1	205.4	308.2	369.0	483.2	555.5	612.5	631.6
30.4	77.5°	38.0	87.5	171.2	239.7	289.1	391.9	372.8	426.1	471.8
22.8	80°	26.6	64.7	133.2	197.8	201.6	251.1	296.8	342.4	372.8
15.2	82.5°	19.0	53.3	98.9	152.2	133.2	194.0	232.1	266.3	194.0
11.4	85°	15.2	38.0	49.5	91.3	76.1	137.0	117.9	114.1	76.1
7.6	87.5°	11.4	19.0	34.2	41.8	30.4	30.4	38.0	45.7	38.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
11170.1  
10892.4  
10968.5  
11033.2  
11128.3  
11322.3  
11649.5  
12079.4  
12551.2  
12946.9  
*13156.1*  
12916.4  
12676.7  
12452.3  
12216.4  
11942.5  
11645.7  
11326.1  
10976.1  
10523.4  
9922.2  
9385.8  
8853.2  
7491.1  
6011.2  
4249.7  
2191.4  
1305.0  
1015.8  
829.4  
620.1  
479.4  
376.6  
140.8  
76.1  
38.0  
0.0

(END OF REPORT)