

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: P637860

Luminaire Tested: **IFLD-L-SA7B-730-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637860  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-730-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (112) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27344 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G2

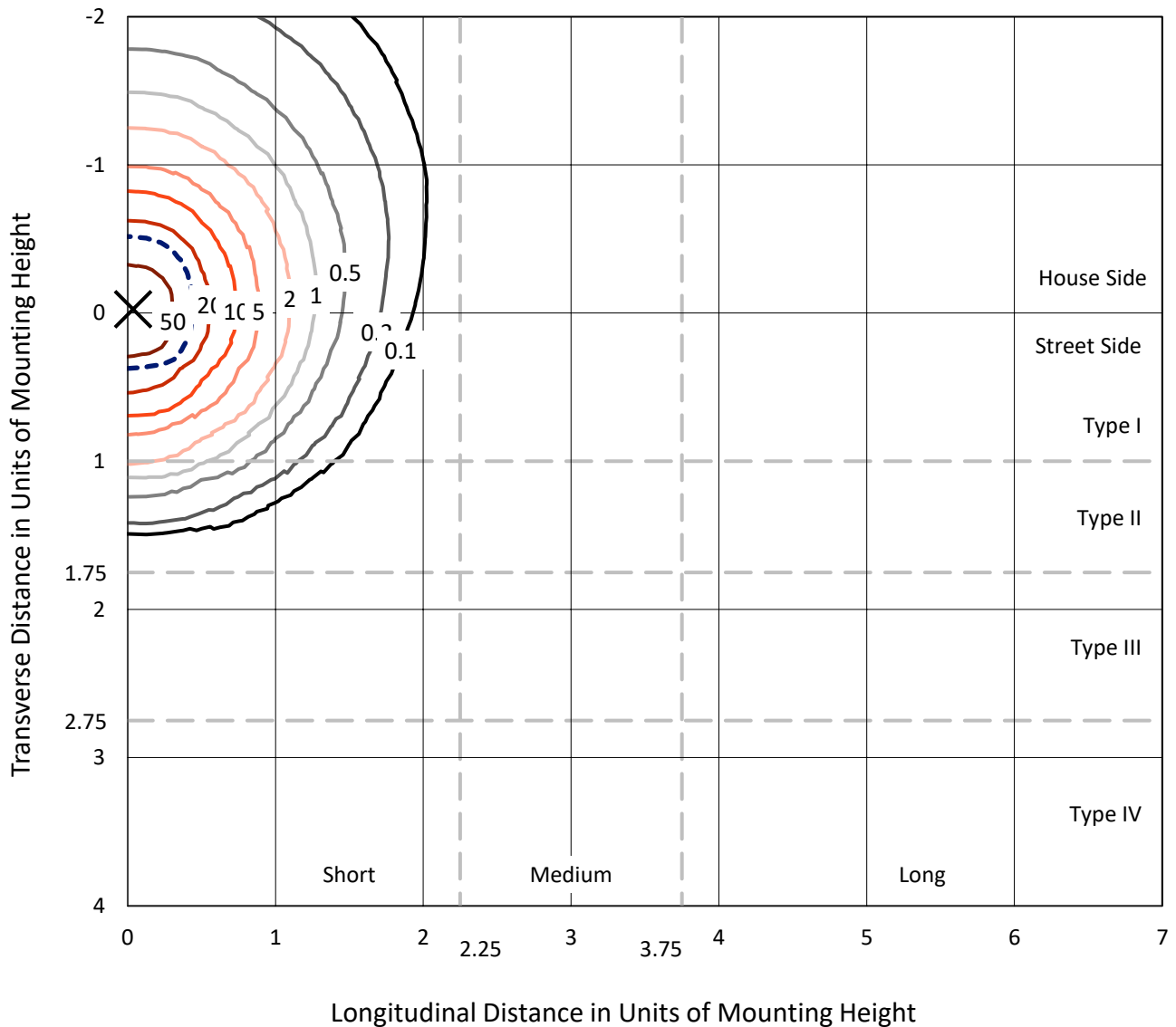
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

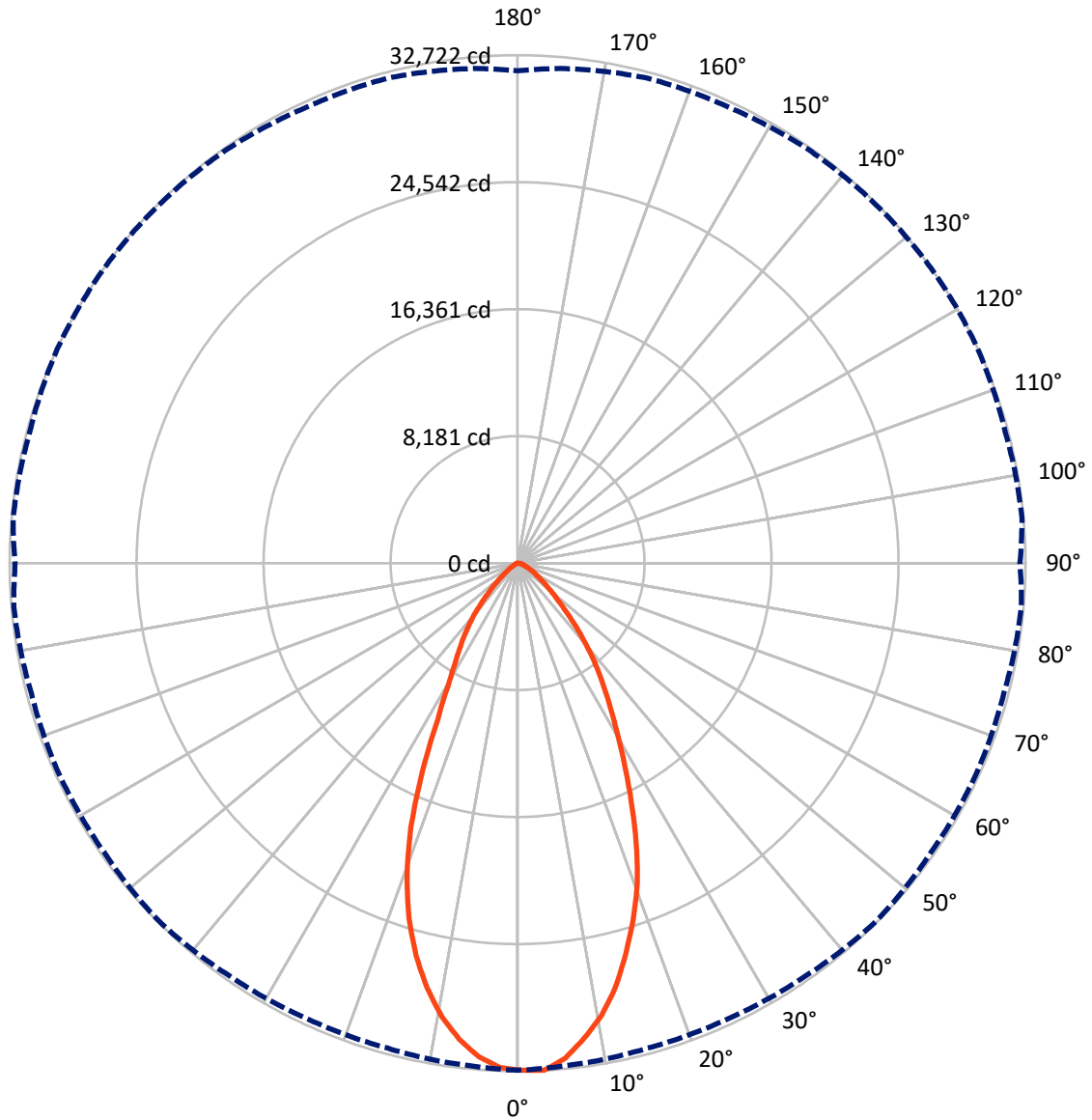
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 81.7 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15516.1	0.0	15516.1
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	11827.9	0.0	11827.9
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	27344.0	0.0	27344.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2966.5	10.8
10°-20°	7071.5	25.9
20°-30°	7202.2	26.3
30°-40°	5370.6	19.6
40°-50°	2805.8	10.3
50°-60°	1180.1	4.3
60°-70°	482.0	1.8
70°-80°	202.8	0.7
80°-90°	62.5	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°	27344.0	100.0
0°-180°	27344.0	100.0



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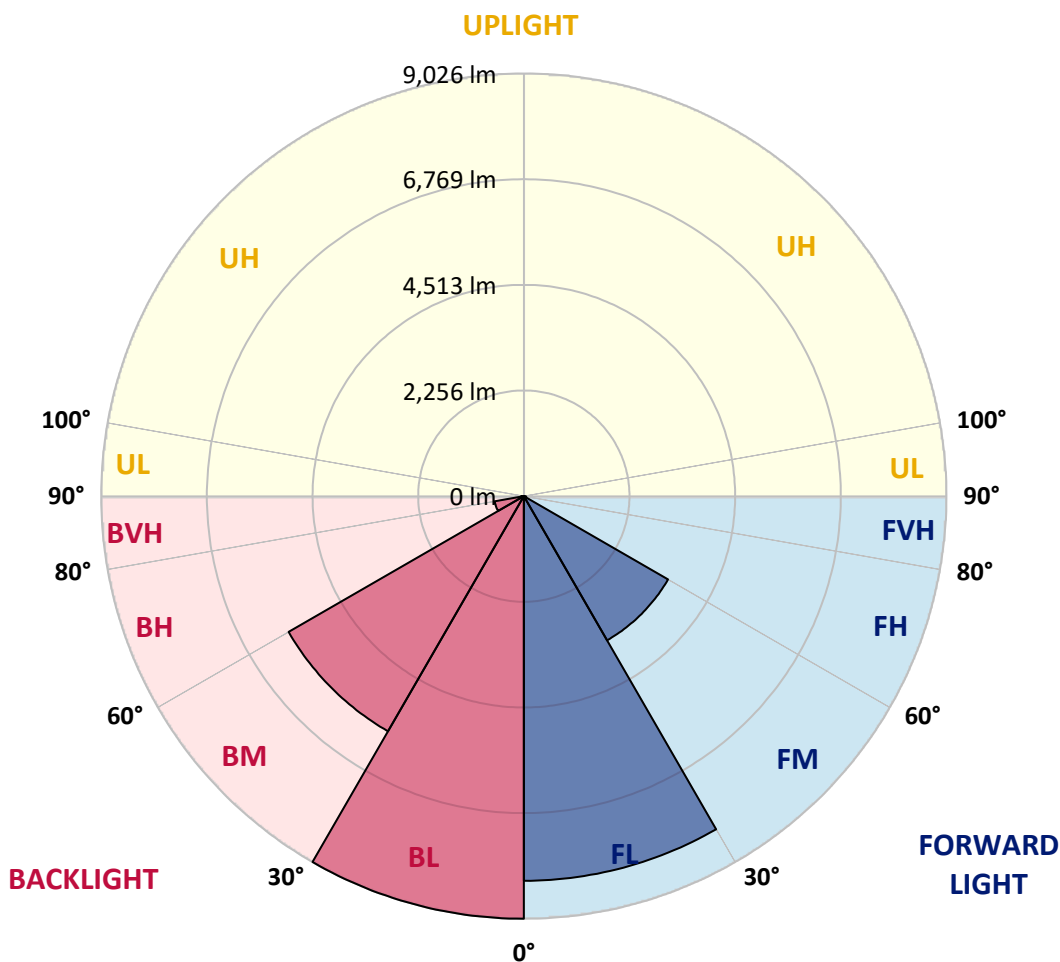
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8214.5	30.0			
FM (30°-60°)	3556.2	13.0			
FH (60°-80°)	51.5	0.2			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	9025.7	33.0	B5		
BM (30°-60°)	5800.3	21.2	B4/8500		
BH (60°-80°)	633.3	2.3	B2/1000		G2/1000
BVH (80°-90°)	56.7	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-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	32669.4	32669.4	32669.4	32669.4	32669.4	32669.4	32669.4	32669.4	32669.4	32669.4
2.5°	32673.0	32539.5	32349.8	32332.3	32430.6	32644.9	32507.9	32514.9	32430.6	32574.6
5°	32160.1	32033.7	31903.7	31731.6	31875.6	31967.0	31896.7	31819.4	31710.5	31851.0
7.5°	31190.7	31120.5	30927.3	30850.0	30937.8	31039.7	30888.6	30867.6	30716.5	30899.2
10°	29708.4	29680.3	29490.7	29445.0	29522.3	29676.8	29610.1	29596.0	29501.2	29483.6
12.5°	28170.0	28061.1	27825.8	27811.7	27927.6	28159.4	27980.3	27808.2	27860.9	27906.5
15°	24207.9	24092.0	24675.1	25591.8	26073.0	26055.5	26108.2	25900.9	25837.7	25858.8
17.5°	19244.8	19048.1	19258.9	20677.9	22964.5	24292.2	23926.9	23480.8	23242.0	23083.9
20°	16610.5	16621.0	16582.4	16947.7	18373.7	21401.5	21313.6	20453.1	20140.5	20010.5
22.5°	15008.8	14949.1	14864.8	14980.7	15363.5	17140.8	18331.6	17541.3	17432.4	17288.4
25°	13438.7	13438.7	13336.8	13452.7	13561.6	13586.2	14780.5	15103.6	14892.9	14892.9
27.5°	12079.4	12009.1	11963.5	12016.1	11872.1	11180.2	11331.2	12985.6	12841.6	12753.8
30°	10730.6	10709.5	10632.2	10702.5	10168.6	9388.8	9072.7	10958.9	11109.9	11078.3
32.5°	8858.4	8942.7	9287.0	9395.8	8482.6	7853.9	7551.8	9097.3	9701.4	9676.8
35°	6020.4	6090.6	6484.0	7783.6	7032.0	6582.4	6494.6	7235.7	8229.7	8324.5
37.5°	4794.5	4784.0	4896.4	5128.2	5651.6	5542.7	5518.1	5711.3	6712.3	6754.5
40°	3951.5	3937.5	3934.0	3744.3	3614.3	4608.4	4541.6	4425.7	5293.3	5377.6
42.5°	3185.8	3199.9	3210.4	2795.9	2606.3	3554.6	3516.0	3396.6	4151.7	4250.1
45°	2500.9	2497.4	2518.4	2082.9	2030.2	2272.6	2627.3	2532.5	3133.1	3238.5
47.5°	1296.1	1341.8	1626.3	1612.2	1636.8	1612.2	1988.1	1963.5	2356.9	2525.5
50°	871.1	885.1	909.7	913.2	1289.1	1187.2	1348.8	1527.9	1650.9	1910.8
52.5°	674.4	684.9	621.7	583.1	790.3	878.1	885.1	1057.3	1152.1	1415.5
55°	375.8	421.5	453.1	456.6	435.5	649.8	646.3	783.3	857.0	1032.7
57.5°	49.2	59.7	91.3	295.0	291.5	361.8	453.1	569.0	611.2	755.2
60°	3.5	7.0	10.5	45.7	193.2	210.7	309.1	354.8	425.0	530.4
62.5°	0.0	0.0	3.5	10.5	38.6	122.9	161.6	186.2	249.4	347.7
65°	0.0	0.0	3.5	7.0	14.0	45.7	63.2	101.9	147.5	214.3
67.5°	0.0	0.0	3.5	7.0	10.5	17.6	28.1	45.7	77.3	130.0
70°	0.0	0.0	3.5	7.0	10.5	14.0	21.1	28.1	42.1	70.2
72.5°	0.0	0.0	3.5	3.5	7.0	17.6	17.6	21.1	28.1	38.6
75°	0.0	0.0	3.5	7.0	10.5	17.6	17.6	17.6	21.1	24.6
77.5°	0.0	0.0	3.5	7.0	10.5	17.6	14.0	17.6	17.6	17.6
80°	0.0	0.0	3.5	7.0	10.5	17.6	21.1	17.6	14.0	14.0
82.5°	0.0	0.0	3.5	10.5	10.5	24.6	24.6	24.6	10.5	10.5
85°	0.0	0.0	7.0	10.5	17.6	28.1	28.1	21.1	10.5	7.0
87.5°	0.0	0.0	3.5	7.0	7.0	14.0	21.1	17.6	7.0	3.5
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°
32669.4	0°	32669.4	32669.4	32669.4	32669.4	32669.4	32669.4	32669.4	32669.4	32669.4
32363.9	2.5°	32623.8	32536.0	32701.1	32722.1	32651.9	32564.1	32360.4	32342.8	31988.0
31647.3	5°	32005.6	31861.6	31967.0	32037.2	32012.6	31917.8	31833.5	31756.2	31436.6
30484.7	7.5°	30853.5	30800.8	30850.0	30902.7	31004.5	30902.7	30867.6	30786.8	30470.6
29339.6	10°	29575.0	29476.6	29662.8	29638.2	29610.1	29582.0	29434.5	29448.5	29076.2
27780.1	12.5°	28004.9	27839.8	28018.9	28040.0	28018.9	27920.6	27755.5	27825.8	27485.0
25672.6	15°	25893.9	25876.3	26006.3	26090.6	26150.3	26044.9	25988.7	26023.9	25820.1
22961.0	17.5°	23301.7	23530.0	23955.0	24099.0	24102.5	24211.4	24179.8	24137.7	23986.6
19957.8	20°	20252.9	20691.9	21345.3	22016.1	22209.3	22118.0	22075.9	22153.1	21928.3
17137.3	22.5°	17439.4	17815.2	18573.9	19553.9	20119.4	20175.6	20165.1	20098.3	20010.5
14878.8	25°	15050.9	15384.6	16111.7	17007.4	18092.7	18254.3	18261.3	18240.2	18163.0
12831.0	27.5°	13034.8	13438.7	13839.1	14640.0	15795.6	16462.9	16378.6	16354.0	16325.9
11102.9	30°	11208.3	11717.6	12093.4	12592.2	13628.4	14531.1	14618.9	14576.7	14510.0
9673.3	32.5°	9761.1	10063.2	10540.9	10878.1	11622.8	12644.9	12982.1	12950.5	12890.8
8384.3	35°	8503.7	8623.1	8998.9	9374.8	9870.0	10860.5	11359.3	11289.1	11278.5
6831.7	37.5°	7003.9	7404.3	7611.5	7990.9	8338.6	9107.8	9796.3	9764.7	9768.2
5493.5	40°	5655.1	5886.9	6297.9	6617.5	6937.1	7499.1	8264.8	8285.9	8278.9
4253.6	42.5°	4341.4	4566.2	4998.2	5346.0	5630.5	5978.2	6708.8	6733.4	6765.0
3312.3	45°	3389.5	3533.5	3849.7	4211.4	4513.5	4724.3	5279.2	5437.3	5440.8
2567.6	47.5°	2630.8	2795.9	3020.7	3368.5	3663.5	3814.5	4218.5	4432.7	4422.2
1970.5	50°	2065.3	2216.4	2399.0	2673.0	2992.6	3112.0	3410.6	3621.4	3610.8
1485.8	52.5°	1580.6	1773.8	1935.4	2146.1	2458.7	2560.6	2774.8	3017.2	2982.1
1088.9	55°	1197.8	1394.4	1545.5	1721.1	2005.6	2135.6	2283.1	2476.3	2483.3
843.0	57.5°	902.7	1106.4	1243.4	1422.5	1636.8	1780.8	1893.2	2100.5	2096.9
576.0	60°	646.3	821.9	987.0	1173.2	1338.2	1503.3	1580.6	1777.3	1784.3
407.4	62.5°	467.2	632.2	790.3	951.9	1099.4	1261.0	1331.2	1485.8	1506.8
266.9	65°	326.7	442.6	625.2	748.2	913.2	1032.7	1124.0	1257.5	1282.1
158.1	67.5°	210.7	319.6	495.3	604.1	755.2	857.0	951.9	1057.3	1088.9
101.9	70°	126.4	242.4	368.8	484.7	621.7	713.0	804.4	895.7	913.2
49.2	72.5°	80.8	168.6	266.9	393.4	498.8	597.1	677.9	744.6	692.0
31.6	75°	45.7	115.9	210.7	309.1	403.9	498.8	565.5	600.6	481.2
21.1	77.5°	28.1	84.3	172.1	249.4	312.6	400.4	442.6	463.6	344.2
14.0	80°	17.6	63.2	144.0	203.7	203.7	295.0	344.2	361.8	249.4
10.5	82.5°	14.0	45.7	112.4	154.5	137.0	221.3	270.5	274.0	175.6
7.0	85°	10.5	35.1	70.2	101.9	94.8	154.5	158.1	175.6	115.9
7.0	87.5°	7.0	21.1	42.1	59.7	52.7	73.8	84.3	94.8	63.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
32669.4
31710.5
31180.2
30403.9
28949.7
27386.7
25574.3
23761.8
21766.8
19841.9
17903.0
16160.9
14425.7
12732.7
11162.6
9655.8
8155.9
6659.6
5349.5
4383.6
3610.8
2985.6
2483.3
2089.9
1766.8
1499.8
1275.0
1085.4
899.2
642.8
456.6
323.1
231.8
161.6
105.4
56.2
0.0

(END OF REPORT)