

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: P637807

Luminaire Tested: **IFLD-L-SA8B-722-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637807  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-722-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (128) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25278.3 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G2

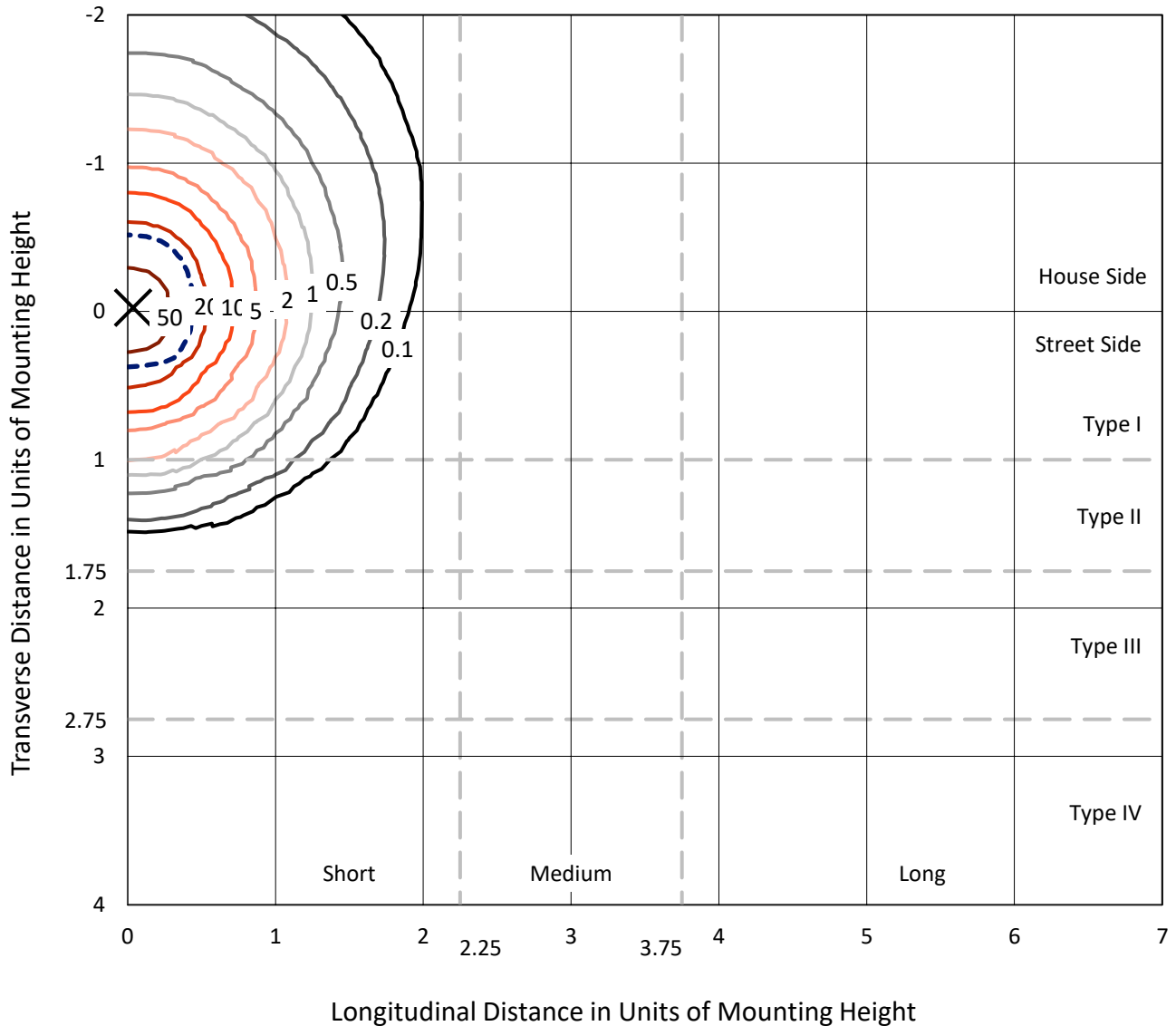
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

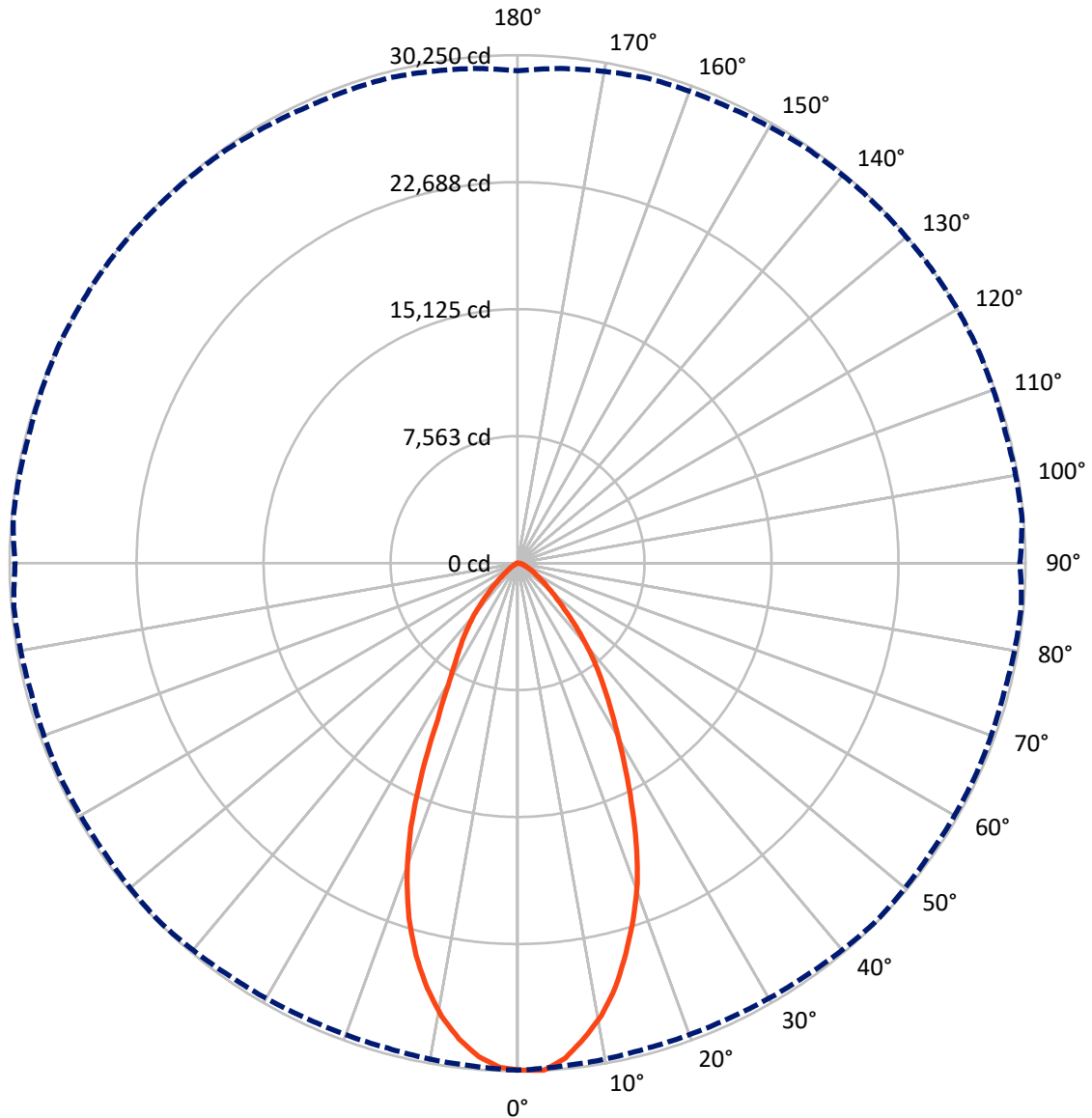
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 75.5 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	14344.0	0.0	14344.0
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	10934.4	0.0	10934.4
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	25278.3	0.0	25278.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2742.4	10.8
10°-20°	6537.3	25.9
20°-30°	6658.1	26.3
30°-40°	4964.9	19.6
40°-50°	2593.8	10.3
50°-60°	1091.0	4.3
60°-70°	445.6	1.8
70°-80°	187.5	0.7
80°-90°	57.8	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°	25278.3	100.0
0°-180°	25278.3	100.0



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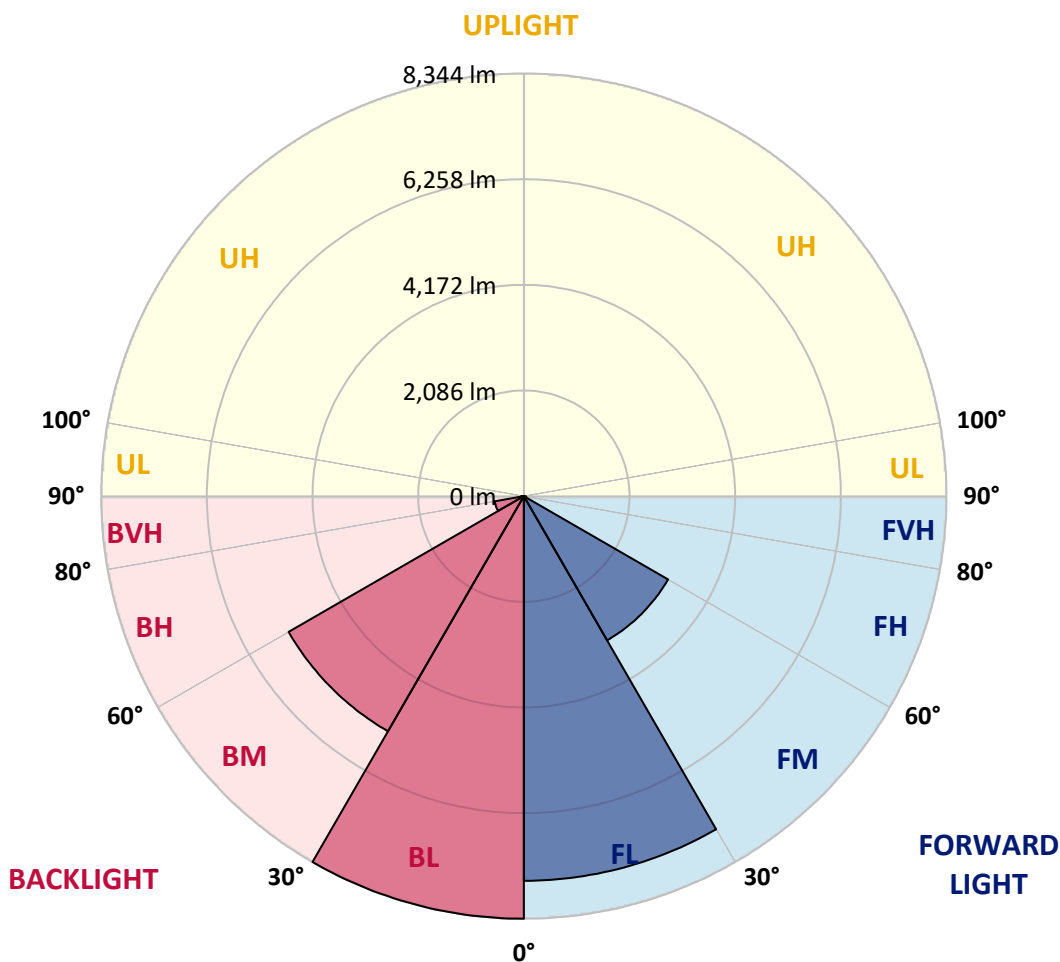
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7593.9	30.0			
FM (30°-60°)	3287.5	13.0			
FH (60°-80°)	47.6	0.2			G0/660
FVH (80°-90°)	5.4	0.0			G0/10
BL (0°-30°)	8343.9	33.0	B5		
BM (30°-60°)	5362.2	21.2	B4/8500		
BH (60°-80°)	585.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	52.4	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°	30201.5	30201.5	30201.5	30201.5	30201.5	30201.5	30201.5	30201.5	30201.5	30201.5
2.5°	30204.8	30081.4	29906.0	29889.8	29980.7	30178.8	30052.2	30058.7	29980.7	30113.9
5°	29730.7	29613.8	29493.7	29334.5	29467.7	29552.1	29487.2	29415.7	29315.1	29444.9
7.5°	28834.5	28769.5	28591.0	28519.5	28600.7	28694.9	28555.2	28535.8	28396.1	28565.0
10°	27464.2	27438.2	27262.9	27220.7	27292.1	27435.0	27373.3	27360.3	27272.6	27256.4
12.5°	26042.0	25941.3	25723.7	25710.8	25817.9	26032.2	25866.6	25707.5	25756.2	25798.4
15°	22379.2	22272.0	22811.1	23658.6	24103.4	24087.2	24135.9	23944.3	23885.9	23905.3
17.5°	17791.0	17609.2	17804.0	19115.8	21229.7	22457.1	22119.4	21707.0	21486.2	21340.1
20°	15355.7	15365.4	15329.7	15667.4	16985.7	19784.7	19703.6	18908.0	18619.0	18498.9
22.5°	13875.0	13819.8	13741.8	13849.0	14202.9	15846.0	16946.8	16216.2	16115.5	15982.4
25°	12423.5	12423.5	12329.3	12436.5	12537.2	12559.9	13663.9	13962.6	13767.8	13767.8
27.5°	11166.9	11101.9	11059.7	11108.4	10975.3	10335.6	10475.2	12004.6	11871.5	11790.3
30°	9920.0	9900.5	9829.1	9894.0	9400.4	8679.6	8387.3	10131.0	10270.7	10241.4
32.5°	8189.3	8267.2	8585.4	8686.1	7841.8	7260.6	6981.3	8410.1	8968.6	8945.8
35°	5565.6	5630.5	5994.2	7195.6	6500.7	6085.1	6003.9	6689.1	7608.0	7695.7
37.5°	4432.3	4422.6	4526.5	4740.8	5224.6	5124.0	5101.2	5279.8	6205.3	6244.2
40°	3653.0	3640.0	3636.8	3461.4	3341.3	4260.2	4198.5	4091.4	4893.4	4971.4
42.5°	2945.1	2958.1	2967.9	2584.7	2409.4	3286.1	3250.4	3140.0	3838.1	3929.0
45°	2312.0	2308.7	2328.2	1925.5	1876.8	2100.9	2428.9	2341.2	2896.4	2993.9
47.5°	1198.2	1240.4	1503.4	1490.4	1513.2	1490.4	1837.9	1815.1	2178.8	2334.7
50°	805.3	818.3	841.0	844.3	1191.7	1097.5	1246.9	1412.5	1526.1	1766.4
52.5°	623.4	633.2	574.7	539.0	730.6	811.8	818.3	977.4	1065.1	1308.6
55°	347.4	389.7	418.9	422.1	402.6	600.7	597.5	724.1	792.3	954.7
57.5°	45.5	55.2	84.4	272.8	269.5	334.5	418.9	526.0	565.0	698.1
60°	3.2	6.5	9.7	42.2	178.6	194.8	285.7	328.0	392.9	490.3
62.5°	0.0	0.0	3.2	9.7	35.7	113.6	149.4	172.1	230.5	321.5
65°	0.0	0.0	3.2	6.5	13.0	42.2	58.4	94.2	136.4	198.1
67.5°	0.0	0.0	3.2	6.5	9.7	16.2	26.0	42.2	71.4	120.1
70°	0.0	0.0	3.2	6.5	9.7	13.0	19.5	26.0	39.0	64.9
72.5°	0.0	0.0	3.2	3.2	6.5	16.2	16.2	19.5	26.0	35.7
75°	0.0	0.0	3.2	6.5	9.7	16.2	16.2	16.2	19.5	22.7
77.5°	0.0	0.0	3.2	6.5	9.7	16.2	13.0	16.2	16.2	16.2
80°	0.0	0.0	3.2	6.5	9.7	16.2	19.5	16.2	13.0	13.0
82.5°	0.0	0.0	3.2	9.7	9.7	22.7	22.7	22.7	9.7	9.7
85°	0.0	0.0	6.5	9.7	16.2	26.0	26.0	19.5	9.7	6.5
87.5°	0.0	0.0	3.2	6.5	6.5	13.0	19.5	16.2	6.5	3.2
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°
30201.5	0°	30201.5	30201.5	30201.5	30201.5	30201.5	30201.5	30201.5	30201.5	30201.5
29919.0	2.5°	30159.3	30078.1	30230.8	30250.2	30185.3	30104.1	29915.8	29899.5	29571.6
29256.6	5°	29587.8	29454.7	29552.1	29617.0	29594.3	29506.6	29428.7	29357.3	29061.8
28181.8	7.5°	28522.8	28474.1	28519.5	28568.2	28662.4	28568.2	28535.8	28461.1	28168.8
27123.3	10°	27340.8	27249.9	27422.0	27399.3	27373.3	27347.3	27210.9	27223.9	26879.7
25681.5	12.5°	25889.3	25736.7	25902.3	25921.8	25902.3	25811.4	25658.8	25723.7	25408.8
23733.3	15°	23937.8	23921.6	24041.7	24119.7	24174.9	24077.4	24025.5	24058.0	23869.6
21226.5	17.5°	21541.4	21752.5	22145.4	22278.5	22281.8	22382.4	22353.2	22314.3	22174.6
18450.2	20°	18722.9	19128.8	19732.8	20353.0	20531.6	20447.2	20408.2	20479.6	20271.8
15842.7	22.5°	16122.0	16469.4	17170.8	18076.8	18599.5	18651.5	18641.8	18580.1	18498.9
13754.8	25°	13913.9	14222.4	14894.6	15722.6	16726.0	16875.3	16881.8	16862.3	16790.9
11861.8	27.5°	12050.1	12423.5	12793.7	13534.0	14602.3	15219.3	15141.4	15118.6	15092.6
10264.2	30°	10361.6	10832.4	11179.9	11640.9	12598.9	13433.4	13514.5	13475.6	13413.9
8942.6	32.5°	9023.8	9303.0	9744.6	10056.4	10744.7	11689.7	12001.4	11972.2	11917.0
7750.9	35°	7861.3	7971.7	8319.1	8666.6	9124.4	10040.1	10501.2	10436.3	10426.5
6315.7	37.5°	6474.8	6844.9	7036.5	7387.2	7708.7	8419.8	9056.2	9027.0	9030.3
5078.5	40°	5227.9	5442.2	5822.1	6117.6	6413.1	6932.6	7640.5	7660.0	7653.5
3932.3	42.5°	4013.4	4221.3	4620.7	4942.1	5205.1	5526.6	6202.0	6224.7	6254.0
3062.0	45°	3133.5	3266.6	3558.9	3893.3	4172.6	4367.4	4880.4	5026.6	5029.8
2373.6	47.5°	2432.1	2584.7	2792.5	3114.0	3386.8	3526.4	3899.8	4097.9	4088.1
1821.6	50°	1909.3	2048.9	2217.8	2471.1	2766.6	2877.0	3153.0	3347.8	3338.0
1373.5	52.5°	1461.2	1639.8	1789.2	1984.0	2273.0	2367.2	2565.2	2789.3	2756.8
1006.6	55°	1107.3	1289.1	1428.7	1591.1	1854.1	1974.3	2110.6	2289.2	2295.7
779.3	57.5°	834.5	1022.8	1149.5	1315.1	1513.2	1646.3	1750.2	1941.8	1938.5
532.5	60°	597.5	759.8	912.4	1084.5	1237.2	1389.8	1461.2	1643.0	1649.5
376.7	62.5°	431.9	584.5	730.6	880.0	1016.4	1165.7	1230.7	1373.5	1393.0
246.8	65°	302.0	409.1	578.0	691.6	844.3	954.7	1039.1	1162.5	1185.2
146.1	67.5°	194.8	295.5	457.8	558.5	698.1	792.3	880.0	977.4	1006.6
94.2	70°	116.9	224.1	340.9	448.1	574.7	659.2	743.6	828.0	844.3
45.5	72.5°	74.7	155.9	246.8	363.7	461.1	552.0	626.7	688.4	639.7
29.2	75°	42.2	107.2	194.8	285.7	373.4	461.1	522.8	555.3	444.9
19.5	77.5°	26.0	77.9	159.1	230.5	289.0	370.2	409.1	428.6	318.2
13.0	80°	16.2	58.4	133.1	188.3	188.3	272.8	318.2	334.5	230.5
9.7	82.5°	13.0	42.2	103.9	142.9	126.6	204.6	250.0	253.3	162.4
6.5	85°	9.7	32.5	64.9	94.2	87.7	142.9	146.1	162.4	107.2
6.5	87.5°	6.5	19.5	39.0	55.2	48.7	68.2	77.9	87.7	58.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
30201.5  
*29315.1*  
28824.7  
28107.1  
26762.8  
25317.8  
23642.3  
21966.8  
20122.4  
18343.0  
16550.6  
14940.0  
13336.0  
11770.8  
10319.4  
8926.4  
7539.8  
6156.6  
4945.4  
4052.4  
3338.0  
2760.1  
2295.7  
1932.0  
1633.3  
1386.5  
1178.7  
1003.4  
831.3  
594.2  
422.1  
298.7  
214.3  
149.4  
97.4  
52.0  
0.0

(END OF REPORT)