

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: P637024

Luminaire Tested: **IFLD-L-SA8B-722-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637024  
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-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (128) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29813.2 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

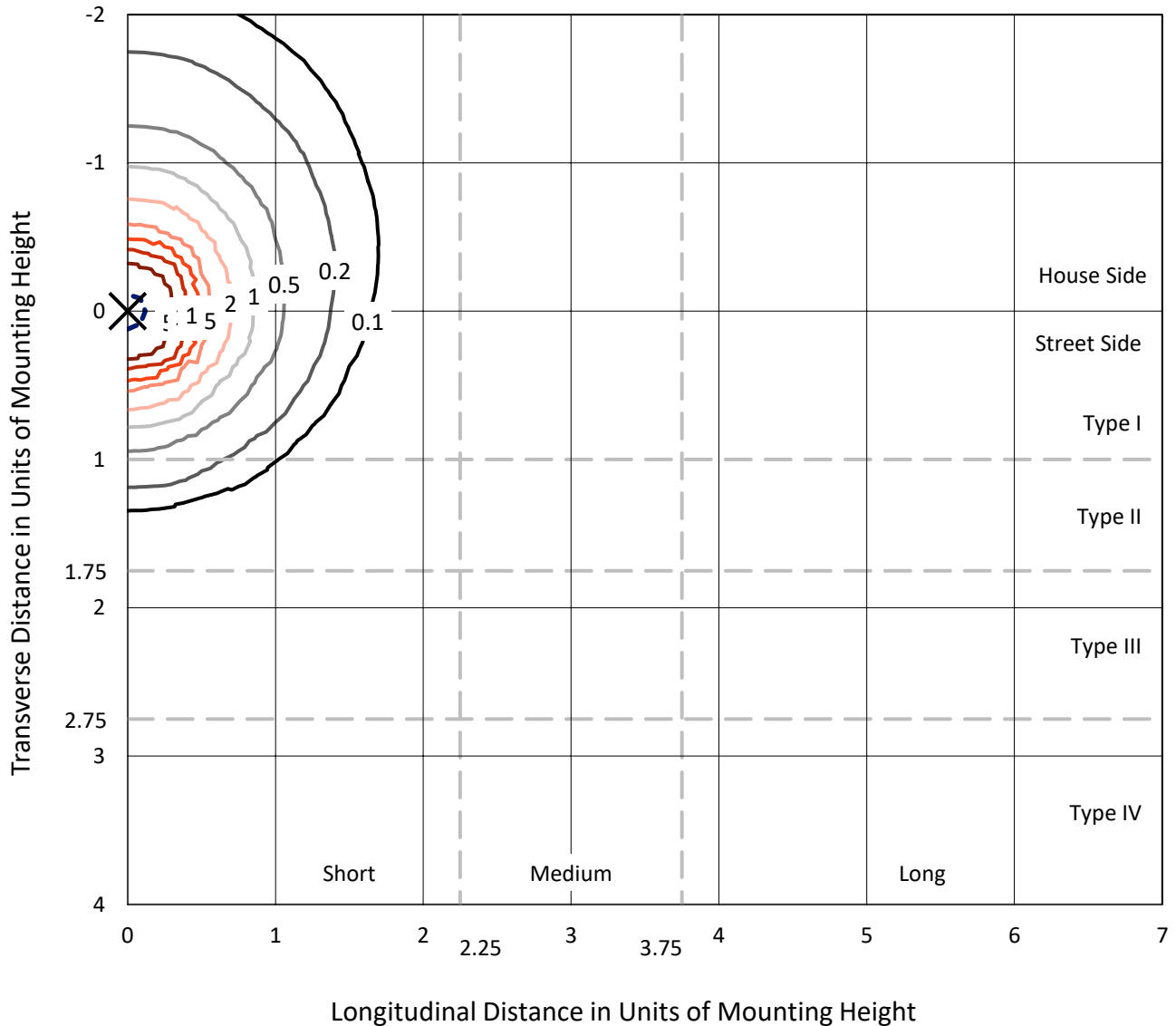
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

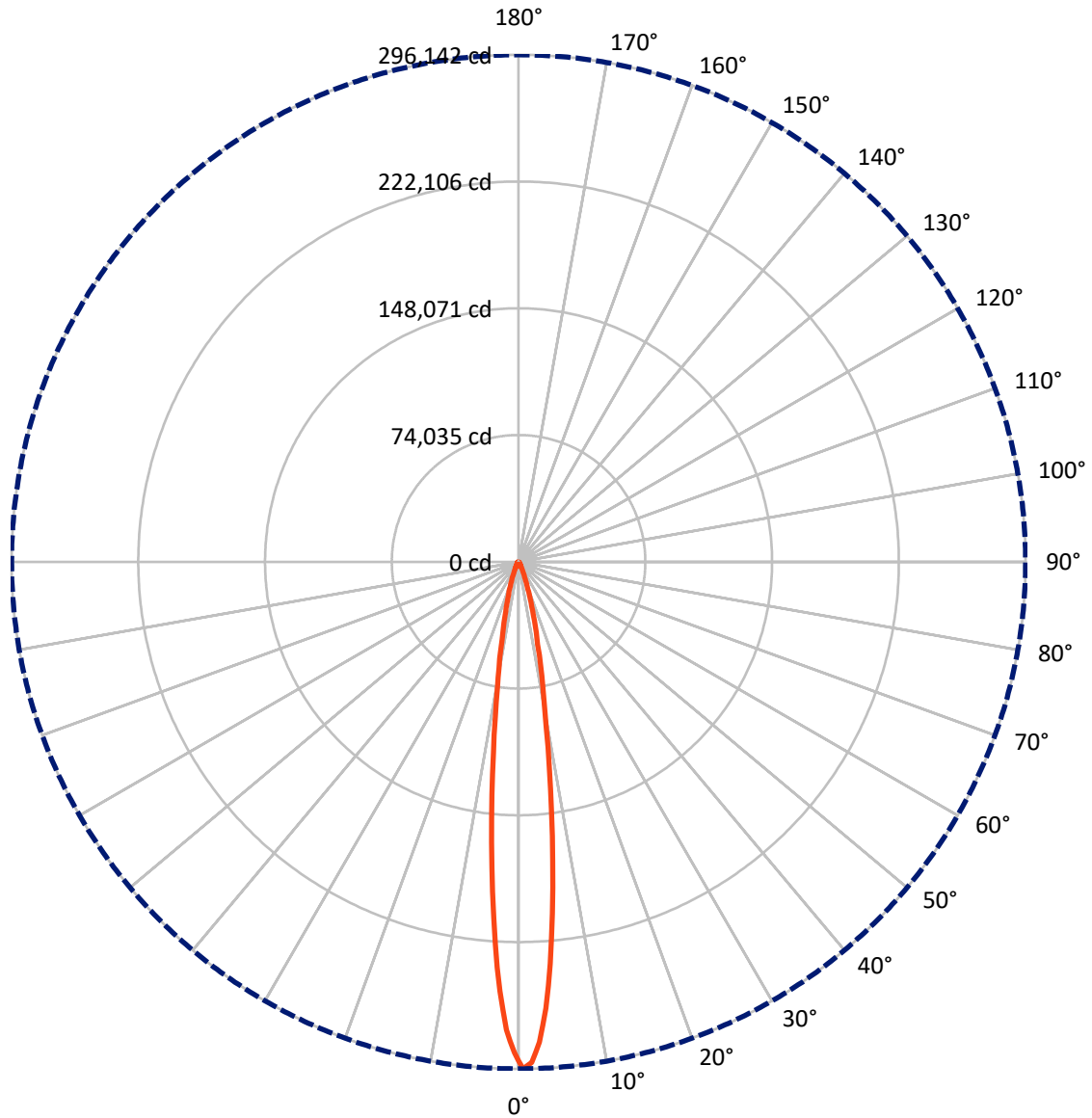
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 740.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15269.8	0.0	15269.8
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	14543.4	0.0	14543.4
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	29813.2	0.0	29813.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15050.6	50.5
10°-20°	9635.3	32.3
20°-30°	2896.2	9.7
30°-40°	943.0	3.2
40°-50°	548.7	1.8
50°-60°	364.4	1.2
60°-70°	219.4	0.7
70°-80°	112.8	0.4
80°-90°	42.8	0.1
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°	29813.2	100.0
0°-180°	29813.2	100.0

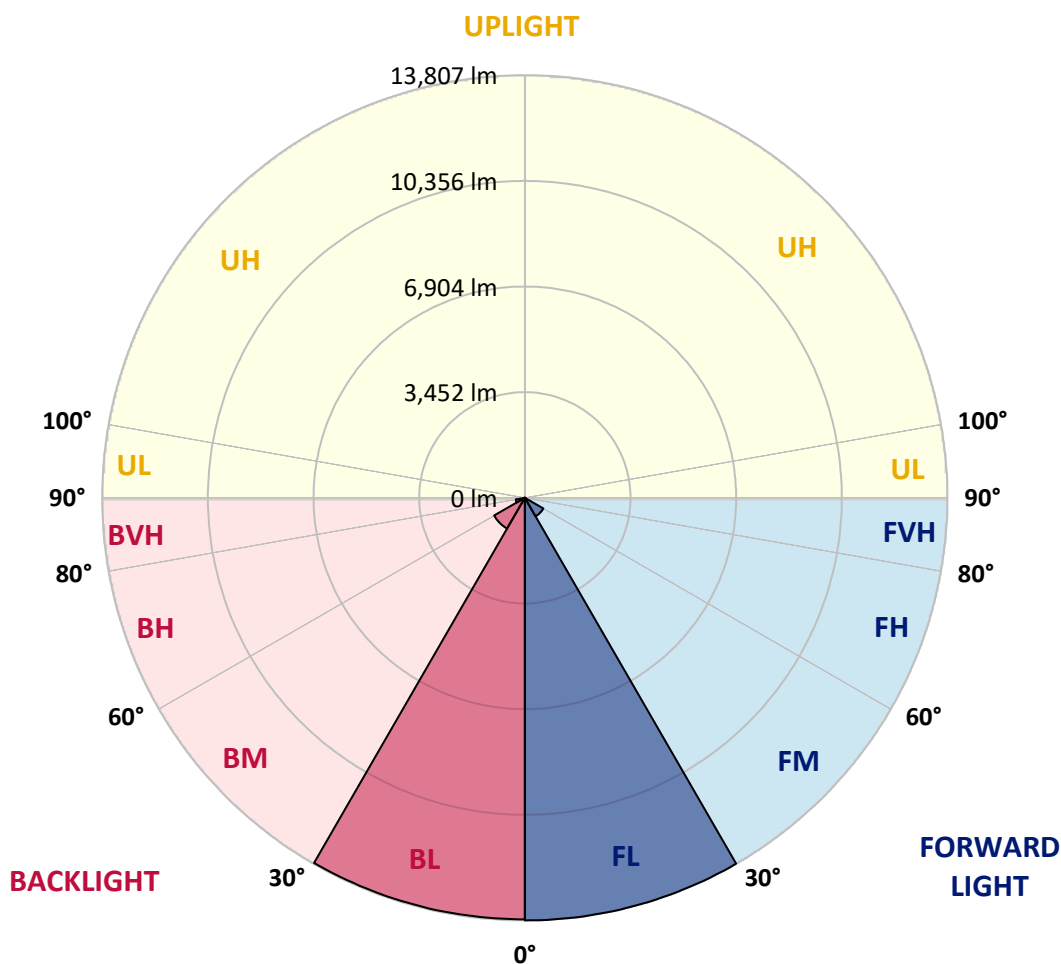


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13807.4	46.3			
FM (30°-60°)	696.8	2.3			
FH (60°-80°)	32.8	0.1			G0/660
FVH (80°-90°)	6.5	0.0			G0/10
BL (0°-30°)	13774.7	46.2	B5		
BM (30°-60°)	1159.4	3.9	B2/2500		
BH (60°-80°)	299.3	1.0	B1/500		G0/660
BVH (80°-90°)	36.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	296141.9	296141.9	296141.9	296141.9	296141.9	296141.9	296141.9	296141.9	296141.9	296141.9
1°	292596.1	291703.1	289397.6	291037.4	292479.2	292060.3	292031.1	291875.2	291657.6	293365.6
2°	280899.9	280321.9	276912.4	278318.4	280367.4	278873.7	279808.9	278987.3	279003.6	281042.8
3°	261183.3	261498.3	256059.3	258614.8	261462.5	257842.0	258965.5	261076.1	258864.8	258199.2
4°	235556.9	232822.8	229851.7	232449.4	233186.5	231079.1	233150.8	235735.5	232663.7	232800.1
5°	206300.2	204280.5	200763.9	202367.9	200539.8	201205.5	204309.7	205374.8	203231.7	200533.3
6°	176218.8	174783.5	170386.9	172698.9	172049.4	171672.8	175592.1	172344.9	173513.9	171880.6
7°	146578.9	143896.8	141737.4	143952.0	144094.9	142961.6	148049.9	147458.9	145332.0	144838.4
8°	121442.8	118767.2	116939.1	118588.6	119666.7	117887.2	120280.4	121852.0	120189.4	120338.8
9°	97949.8	97479.0	94936.5	97092.6	98264.8	96358.7	99008.4	99576.6	98021.3	98777.8
10°	80425.0	79876.3	77846.8	78720.3	80662.1	78389.1	80931.6	81116.7	79876.3	80230.2
12.5°	49700.6	49479.8	49424.6	49551.3	49525.3	49927.9	50577.4	49837.0	49739.6	48515.4
15°	32123.9	32451.9	32114.2	32763.6	32857.8	33237.7	32841.5	32244.0	31104.3	30539.3
17.5°	20047.8	20466.7	21044.7	21996.1	22947.5	23057.9	22531.9	21830.5	21278.5	20674.5
20°	11533.8	11738.4	11650.7	12790.5	15251.8	15920.7	15242.1	14505.0	13839.3	13228.8
22.5°	7166.4	7091.7	7228.1	7611.3	8413.3	10481.8	9926.5	9189.4	8705.6	8202.3
25°	4393.4	4474.6	4422.6	4633.7	4994.1	5870.8	5997.5	5679.2	5432.5	5172.7
27.5°	2828.3	2828.3	2851.0	2967.9	3214.7	3185.4	3860.8	3614.1	3480.9	3354.3
30°	1964.5	1971.0	1971.0	2039.2	2094.4	1997.0	2172.3	2490.6	2428.9	2331.4
32.5°	1458.0	1477.4	1493.7	1529.4	1483.9	1380.0	1422.2	1792.4	1756.7	1721.0
35°	1110.5	1126.8	1165.7	1185.2	1120.3	1055.3	1016.4	1318.3	1334.6	1324.8
37.5°	808.5	818.3	889.7	964.4	889.7	831.3	808.5	1013.1	1091.0	1081.3
40°	620.2	623.4	636.4	720.9	720.9	675.4	681.9	756.6	893.0	893.0
42.5°	532.5	532.5	545.5	532.5	535.8	584.5	600.7	610.5	756.6	756.6
45°	461.1	461.1	467.6	435.1	402.6	503.3	516.3	519.5	636.4	652.7
47.5°	386.4	386.4	399.4	357.2	340.9	399.4	435.1	444.9	548.8	561.8
50°	285.7	289.0	328.0	292.2	302.0	308.5	376.7	383.2	464.3	493.6
52.5°	191.6	191.6	198.1	227.3	263.0	253.3	305.2	328.0	370.2	409.1
55°	155.9	155.9	152.6	146.1	194.8	211.1	224.1	272.8	302.0	350.7
57.5°	107.2	113.6	103.9	120.1	126.6	159.1	168.9	214.3	230.5	295.5
60°	13.0	16.2	22.7	87.7	84.4	107.2	126.6	168.9	188.3	227.3
62.5°	3.2	3.2	6.5	16.2	58.4	71.4	100.7	116.9	136.4	175.3
65°	0.0	0.0	3.2	6.5	13.0	39.0	52.0	68.2	97.4	123.4
67.5°	0.0	0.0	3.2	6.5	6.5	16.2	26.0	42.2	52.0	90.9
70°	0.0	0.0	3.2	6.5	6.5	13.0	16.2	19.5	35.7	48.7
72.5°	0.0	0.0	3.2	6.5	9.7	13.0	16.2	16.2	16.2	32.5
75°	0.0	0.0	3.2	6.5	9.7	13.0	16.2	16.2	13.0	13.0
77.5°	0.0	0.0	3.2	6.5	13.0	16.2	19.5	16.2	9.7	9.7
80°	0.0	0.0	3.2	9.7	16.2	22.7	26.0	19.5	9.7	6.5
82.5°	0.0	0.0	6.5	13.0	19.5	26.0	35.7	29.2	13.0	6.5
85°	0.0	0.0	3.2	9.7	19.5	26.0	52.0	35.7	16.2	3.2
87.5°	0.0	0.0	0.0	3.2	3.2	6.5	19.5	13.0	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°
296141.9	0°	296141.9	296141.9	296141.9	296141.9	296141.9	296141.9	296141.9	296141.9
291394.6	1°	293430.6	293635.2	292966.2	294002.1	293638.4	291508.3	290803.7	289969.1
279844.6	2°	278987.3	280029.7	280081.6	281231.1	281214.9	278730.8	277961.2	279380.2
259550.0	3°	258764.2	259978.6	258884.3	260926.8	260313.1	257299.7	256517.2	258127.7
233878.1	4°	233180.0	232949.5	232572.8	231410.3	232842.3	230786.9	229238.0	231423.3
204111.6	5°	203702.5	203189.5	202455.6	202111.4	203176.5	201861.4	198675.9	201867.9
174835.5	6°	175049.8	172841.7	172734.6	172543.0	172650.2	168967.9	169188.7	171565.6
143140.2	7°	144653.4	145059.3	144231.2	145559.3	144546.2	142052.4	141091.3	143594.8
120994.7	8°	120150.5	119637.4	119004.2	120988.2	119231.5	117595.0	116474.7	118452.2
98901.2	9°	98716.1	97829.7	97186.7	97086.1	97358.8	94287.1	94910.5	96407.4
80425.0	10°	80454.3	78999.5	79353.5	79447.6	79148.9	77135.7	77155.2	77671.5
49327.2	12.5°	49151.9	48437.5	48616.1	48713.5	49320.7	48612.9	47612.7	46891.9
31101.1	15°	30893.2	30380.2	31429.0	32133.6	31990.8	31360.8	30890.0	30237.3
20674.5	17.5°	20482.9	21155.1	21158.3	21801.3	21866.2	21236.3	20872.6	20284.9
13446.4	20°	13397.7	13676.9	14258.2	14712.8	14975.8	14495.2	14060.1	13657.4
8384.1	22.5°	8384.1	8871.2	9234.9	9825.8	10066.1	9715.4	9406.9	9079.0
5234.4	25°	5146.7	5494.2	5796.1	6309.2	6637.1	6468.3	6185.8	5955.2
3380.3	27.5°	3432.2	3578.3	3727.7	4081.6	4422.6	4328.4	4214.8	4075.2
2383.4	30°	2419.1	2432.1	2591.2	2789.3	3016.6	3075.0	3023.1	2951.6
1750.2	32.5°	1782.7	1834.6	1909.3	2032.7	2185.3	2324.9	2299.0	2266.5
1337.8	35°	1376.8	1454.7	1516.4	1610.6	1691.8	1824.9	1847.6	1837.9
1100.8	37.5°	1123.5	1191.7	1253.4	1308.6	1376.8	1467.7	1539.1	1542.4
909.2	40°	931.9	993.6	1074.8	1117.0	1165.7	1233.9	1321.6	1328.1
769.6	42.5°	785.8	844.3	925.4	977.4	1013.1	1078.0	1165.7	1178.7
659.2	45°	675.4	711.1	795.5	857.2	893.0	935.2	1029.3	1042.3
568.2	47.5°	587.7	623.4	675.4	763.1	795.5	834.5	909.2	931.9
503.3	50°	516.3	552.0	597.5	675.4	724.1	756.6	818.3	850.7
438.4	52.5°	457.8	493.6	542.3	604.0	659.2	688.4	746.8	789.1
357.2	55°	383.2	444.9	480.6	535.8	610.5	636.4	681.9	737.1
311.7	57.5°	334.5	386.4	438.4	483.8	558.5	591.0	636.4	688.4
246.8	60°	282.5	331.2	392.9	431.9	503.3	545.5	594.2	642.9
188.3	62.5°	224.1	289.0	331.2	386.4	454.6	509.8	548.8	597.5
146.1	65°	165.6	237.0	285.7	344.2	409.1	467.6	500.1	552.0
103.9	67.5°	120.1	185.1	243.5	298.7	360.4	418.9	451.4	496.8
64.9	70°	94.2	136.4	201.3	250.0	315.0	363.7	399.4	428.6
42.2	72.5°	55.2	103.9	162.4	217.6	276.0	308.5	334.5	360.4
19.5	75°	35.7	81.2	133.1	181.8	224.1	253.3	276.0	298.7
9.7	77.5°	22.7	58.4	107.2	152.6	172.1	207.8	227.3	240.3
6.5	80°	13.0	45.5	94.2	123.4	139.6	162.4	181.8	198.1
6.5	82.5°	9.7	39.0	77.9	103.9	103.9	129.9	139.6	139.6
3.2	85°	6.5	32.5	61.7	97.4	77.9	97.4	90.9	90.9
3.2	87.5°	6.5	22.7	29.2	42.2	35.7	42.2	42.2	48.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
296141.9  
286663.6  
273369.8  
250974.3  
223513.3  
193457.8  
164675.2  
136785.6  
112805.5  
91731.6  
74158.1  
46453.5  
29902.9  
20138.7  
13517.8  
8903.6  
5822.1  
3994.0  
2902.9  
2240.5  
1805.4  
1519.7  
1318.3  
1169.0  
1039.1  
935.2  
854.0  
789.1  
740.3  
691.6  
655.9  
620.2  
561.8  
500.1  
438.4  
366.9  
298.7  
233.8  
178.6  
129.9  
87.7  
48.7  
0.0

(END OF REPORT)