

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: P637026

Luminaire Tested: **IFLD-L-SA8D-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637026
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-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: 40837.1 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

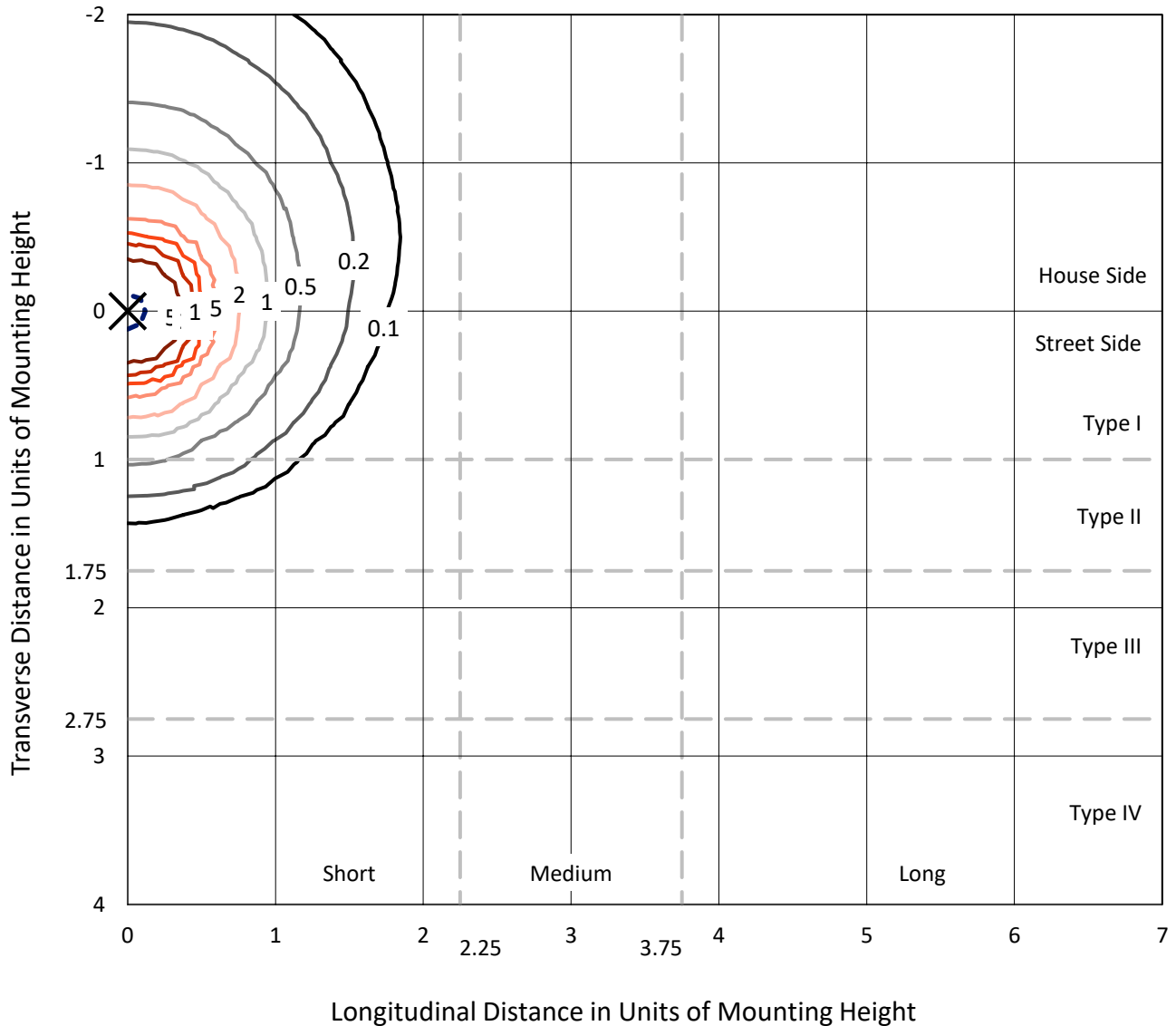
Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

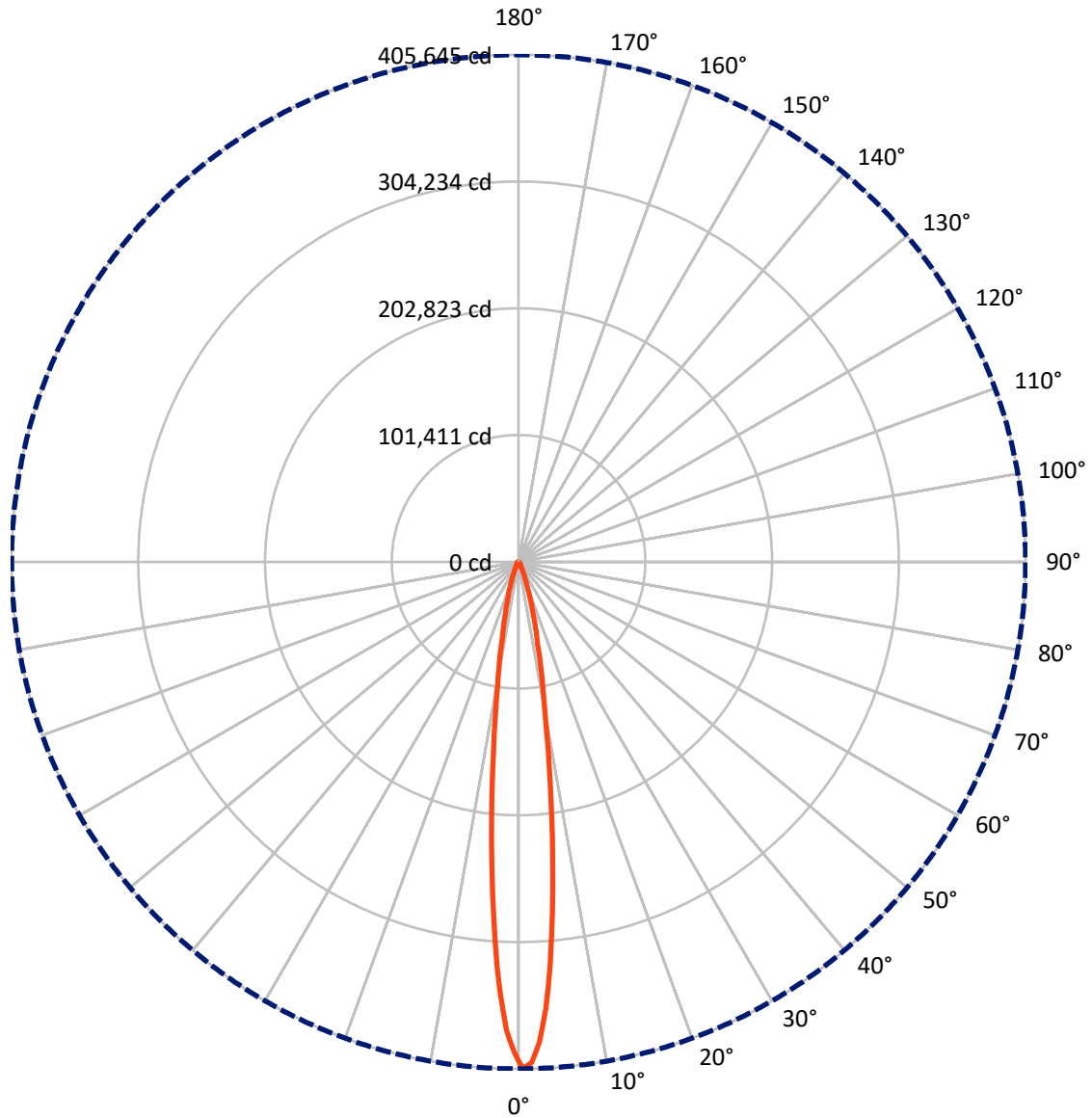
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1014.1 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
House Side	Lumens	20916.0	0.0	20916.0
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	19921.1	0.0	19921.1
	% Fixture	48.8	0.0	48.8
Total	Lumens	40837.1	0.0	40837.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20615.8	50.5
10°-20°	13198.1	32.3
20°-30°	3967.1	9.7
30°-40°	1291.7	3.2
40°-50°	751.5	1.8
50°-60°	499.2	1.2
60°-70°	300.5	0.7
70°-80°	154.4	0.4
80°-90°	58.7	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°	40837.1	100.0
0°-180°	40837.1	100.0

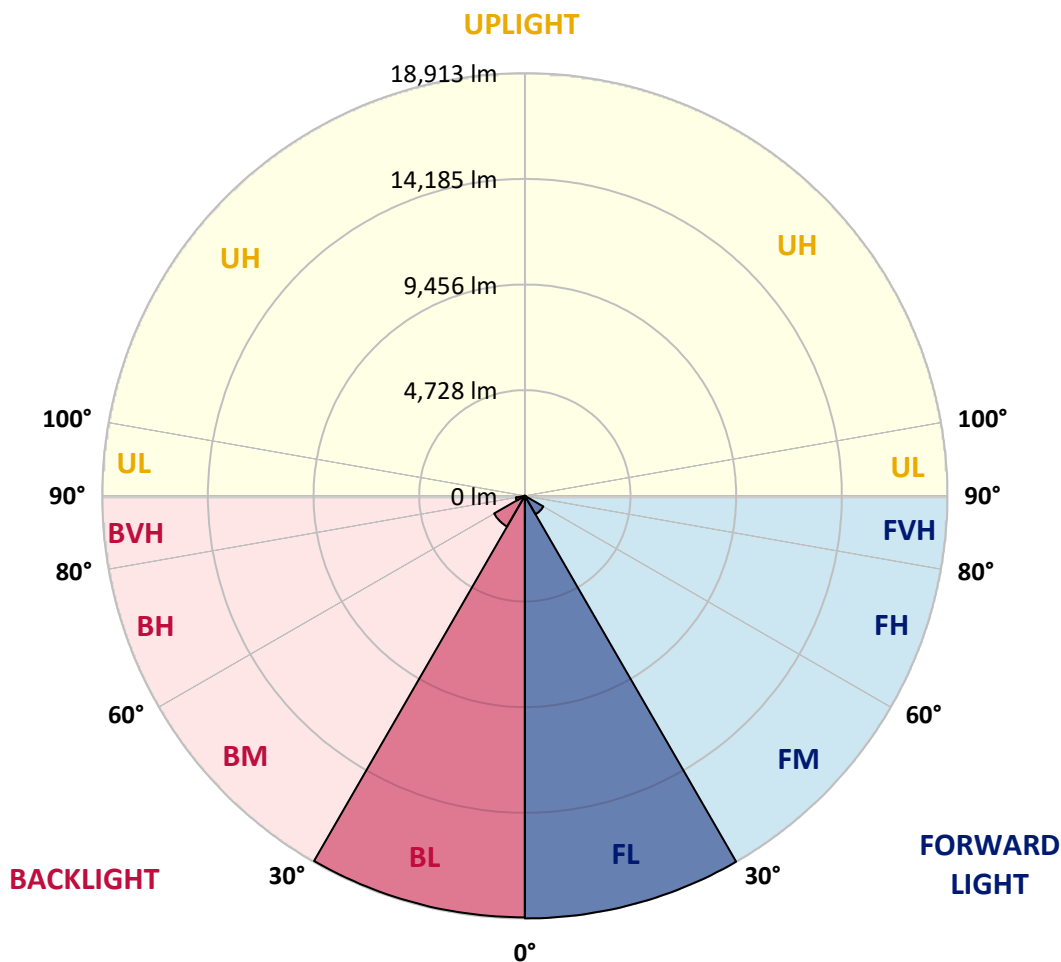


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	18912.9	46.3			
FM (30°-60°)	954.4	2.3			
FH (60°-80°)	44.9	0.1			G0/660
FVH (80°-90°)	8.8	0.0			G0/10
BL (0°-30°)	18868.1	46.2	B5		
BM (30°-60°)	1588.1	3.9	B2/2500		
BH (60°-80°)	410.0	1.0	B1/500		G0/660
BVH (80°-90°)	49.8	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°	405645.0	405645.0	405645.0	405645.0	405645.0	405645.0	405645.0	405645.0	405645.0	405645.0
1°	400788.0	399564.8	396406.9	398653.0	400627.9	400054.1	400014.1	399800.6	399502.6	401842.1
2°	384767.0	383975.2	379305.0	381230.9	384037.5	381991.5	383272.5	382147.2	382169.4	384962.7
3°	357759.8	358191.3	350741.2	354241.6	358142.4	353183.0	354722.0	357613.1	354584.1	353672.3
4°	322657.7	318912.6	314842.9	318401.1	319410.8	316524.2	319361.9	322902.3	318694.7	318881.5
5°	282582.9	279816.4	274999.4	277196.6	274692.5	275604.3	279856.4	281315.3	278379.7	274683.6
6°	241378.4	239412.4	233390.1	236556.9	235667.4	235151.4	240519.9	236072.1	237673.3	235436.1
7°	200778.7	197104.8	194147.0	197180.4	197376.2	195823.9	202793.6	201984.1	199070.8	198394.7
8°	166348.2	162683.2	160179.1	162438.6	163915.3	161477.9	164755.9	166908.6	164631.4	164836.0
9°	134168.3	133523.3	130040.7	132994.1	134599.7	131988.9	135618.3	136396.6	134266.1	135302.5
10°	110163.4	109411.8	106631.9	107828.3	110488.1	107374.7	110857.3	111110.8	109411.8	109896.6
12.5°	68078.2	67775.8	67700.2	67873.6	67838.0	68389.6	69279.1	68265.0	68131.6	66454.8
15°	44002.2	44451.4	43988.9	44878.4	45007.4	45527.8	44985.2	44166.8	42605.6	41831.7
17.5°	27460.8	28034.6	28826.3	30129.5	31432.7	31583.9	30863.4	29902.6	29146.5	28319.2
20°	15798.6	16078.8	15958.8	17519.9	20891.4	21807.6	20878.0	19868.4	18956.6	18120.4
22.5°	9816.3	9714.0	9900.8	10425.7	11524.3	14357.5	13597.0	12587.3	11924.6	11235.2
25°	6017.9	6129.1	6057.9	6347.0	6840.7	8041.6	8215.1	7779.2	7441.2	7085.4
27.5°	3874.0	3874.0	3905.2	4065.3	4403.3	4363.3	5288.4	4950.4	4768.1	4594.6
30°	2690.9	2699.8	2699.8	2793.2	2868.8	2735.4	2975.6	3411.5	3327.0	3193.5
32.5°	1997.1	2023.8	2046.0	2094.9	2032.7	1890.3	1948.1	2455.2	2406.3	2357.3
35°	1521.2	1543.4	1596.8	1623.5	1534.5	1445.5	1392.2	1805.8	1828.1	1814.7
37.5°	1107.5	1120.8	1218.7	1321.0	1218.7	1138.6	1107.5	1387.7	1494.5	1481.1
40°	849.5	854.0	871.8	987.4	987.4	925.1	934.0	1036.3	1223.1	1223.1
42.5°	729.4	729.4	747.2	729.4	733.9	800.6	822.8	836.2	1036.3	1036.3
45°	631.6	631.6	640.5	596.0	551.5	689.4	707.2	711.7	871.8	894.0
47.5°	529.3	529.3	547.1	489.3	467.0	547.1	596.0	609.4	751.7	769.5
50°	391.4	395.9	449.2	400.3	413.6	422.5	515.9	524.8	636.0	676.1
52.5°	262.4	262.4	271.3	311.3	360.3	346.9	418.1	449.2	507.1	560.4
55°	213.5	213.5	209.0	200.2	266.9	289.1	306.9	373.6	413.6	480.4
57.5°	146.8	155.7	142.3	164.6	173.5	217.9	231.3	293.6	315.8	404.8
60°	17.8	22.2	31.1	120.1	115.6	146.8	173.5	231.3	258.0	311.3
62.5°	4.4	4.4	8.9	22.2	80.1	97.9	137.9	160.1	186.8	240.2
65°	0.0	0.0	4.4	8.9	17.8	53.4	71.2	93.4	133.4	169.0
67.5°	0.0	0.0	4.4	8.9	8.9	22.2	35.6	57.8	71.2	124.5
70°	0.0	0.0	4.4	8.9	8.9	17.8	22.2	26.7	48.9	66.7
72.5°	0.0	0.0	4.4	8.9	13.3	17.8	22.2	22.2	22.2	44.5
75°	0.0	0.0	4.4	8.9	13.3	17.8	22.2	22.2	17.8	17.8
77.5°	0.0	0.0	4.4	8.9	17.8	22.2	26.7	22.2	13.3	13.3
80°	0.0	0.0	4.4	13.3	22.2	31.1	35.6	26.7	13.3	8.9
82.5°	0.0	0.0	8.9	17.8	26.7	35.6	48.9	40.0	17.8	8.9
85°	0.0	0.0	4.4	13.3	26.7	35.6	71.2	48.9	22.2	4.4
87.5°	0.0	0.0	0.0	4.4	4.4	8.9	26.7	17.8	8.9	4.4
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°
405645.0	0°	405645.0	405645.0	405645.0	405645.0	405645.0	405645.0	405645.0	405645.0
399142.3	1°	401931.1	402211.3	401295.0	402713.9	402215.7	399298.0	398332.8	397189.7
383321.4	2°	382147.2	383574.9	383646.1	385220.6	385198.4	381795.8	380741.7	382685.4
355522.6	3°	354446.2	356109.7	354610.8	357408.5	356567.8	352440.3	351368.3	353574.4
320358.2	4°	319401.9	319086.1	318570.2	316977.8	318939.3	316123.9	314002.3	316995.6
279585.1	5°	279024.7	278321.9	277316.7	276845.2	278304.1	276502.7	272139.4	276511.6
239483.6	6°	239777.2	236752.6	236605.9	236343.4	236490.2	231446.4	231748.8	235004.6
196068.5	7°	198141.2	198697.2	197563.0	199382.1	197994.4	194578.5	193261.9	196691.2
165734.4	8°	164578.0	163875.2	163007.9	165725.5	163319.2	161077.5	159543.1	162251.8
135471.5	9°	135218.0	134003.7	133123.0	132985.2	133358.8	129151.1	130005.1	132055.6
110163.4	10°	110203.5	108210.8	108695.7	108824.6	108415.4	105657.8	105684.5	106391.7
67566.7	12.5°	67326.5	66348.0	66592.7	66726.1	67557.8	66588.2	65218.3	64230.9
42601.2	15°	42316.5	41613.7	43050.4	44015.6	43819.9	42957.0	42312.0	41418.0
28319.2	17.5°	28056.8	28977.5	28981.9	29862.6	29951.6	29088.7	28590.5	27785.5
18418.4	20°	18351.7	18734.2	19530.3	20153.0	20513.3	19855.0	19259.0	18707.5
11484.3	22.5°	11484.3	12151.4	12649.6	13459.1	13788.2	13307.9	12885.3	12436.1
7169.9	25°	7049.8	7525.7	7939.3	8642.1	9091.3	8860.0	8473.1	8157.3
4630.2	27.5°	4701.3	4901.5	5106.1	5590.9	6057.9	5928.9	5773.3	5582.0
3264.7	30°	3313.6	3331.4	3549.4	3820.7	4132.0	4212.1	4140.9	4043.1
2397.4	32.5°	2441.8	2513.0	2615.3	2784.3	2993.4	3184.6	3149.1	3104.6
1832.5	35°	1885.9	1992.6	2077.1	2206.1	2317.3	2499.7	2530.8	2517.5
1507.8	37.5°	1538.9	1632.3	1716.9	1792.5	1885.9	2010.4	2108.3	2112.7
1245.4	40°	1276.5	1361.0	1472.2	1530.0	1596.8	1690.2	1810.3	1819.2
1054.1	42.5°	1076.4	1156.4	1267.6	1338.8	1387.7	1476.7	1596.8	1614.6
902.9	45°	925.1	974.1	1089.7	1174.2	1223.1	1281.0	1410.0	1427.7
778.4	47.5°	805.1	854.0	925.1	1045.2	1089.7	1143.1	1245.4	1276.5
689.4	50°	707.2	756.1	818.4	925.1	991.9	1036.3	1120.8	1165.3
600.5	52.5°	627.1	676.1	742.8	827.3	902.9	942.9	1023.0	1080.8
489.3	55°	524.8	609.4	658.3	733.9	836.2	871.8	934.0	1009.7
427.0	57.5°	458.1	529.3	600.5	662.7	765.0	809.5	871.8	942.9
338.0	60°	387.0	453.7	538.2	591.6	689.4	747.2	813.9	880.7
258.0	62.5°	306.9	395.9	453.7	529.3	622.7	698.3	751.7	818.4
200.2	65°	226.8	324.7	391.4	471.5	560.4	640.5	685.0	756.1
142.3	67.5°	164.6	253.5	333.6	409.2	493.7	573.8	618.2	680.5
89.0	70°	129.0	186.8	275.8	342.5	431.4	498.2	547.1	587.1
57.8	72.5°	75.6	142.3	222.4	298.0	378.1	422.5	458.1	493.7
26.7	75°	48.9	111.2	182.4	249.1	306.9	346.9	378.1	409.2
13.3	77.5°	31.1	80.1	146.8	209.0	235.7	284.7	311.3	329.1
8.9	80°	17.8	62.3	129.0	169.0	191.3	222.4	249.1	271.3
8.9	82.5°	13.3	53.4	106.7	142.3	142.3	177.9	191.3	191.3
4.4	85°	8.9	44.5	84.5	133.4	106.7	133.4	124.5	124.5
4.4	87.5°	8.9	31.1	40.0	57.8	48.9	57.8	57.8	66.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
405645.0
392661.8
374452.5
343775.9
306160.8
264991.8
225566.4
187364.1
154517.0
125650.7
101579.2
63630.4
40959.9
27585.3
18516.2
12195.9
7974.9
5470.8
3976.3
3069.0
2473.0
2081.6
1805.8
1601.2
1423.3
1281.0
1169.8
1080.8
1014.1
947.4
898.5
849.5
769.5
685.0
600.5
502.6
409.2
320.2
244.6
177.9
120.1
66.7
0.0

(END OF REPORT)