

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: P638459

Luminaire Tested: **IFLD-S-SA6B-750-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638459
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25165.4 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

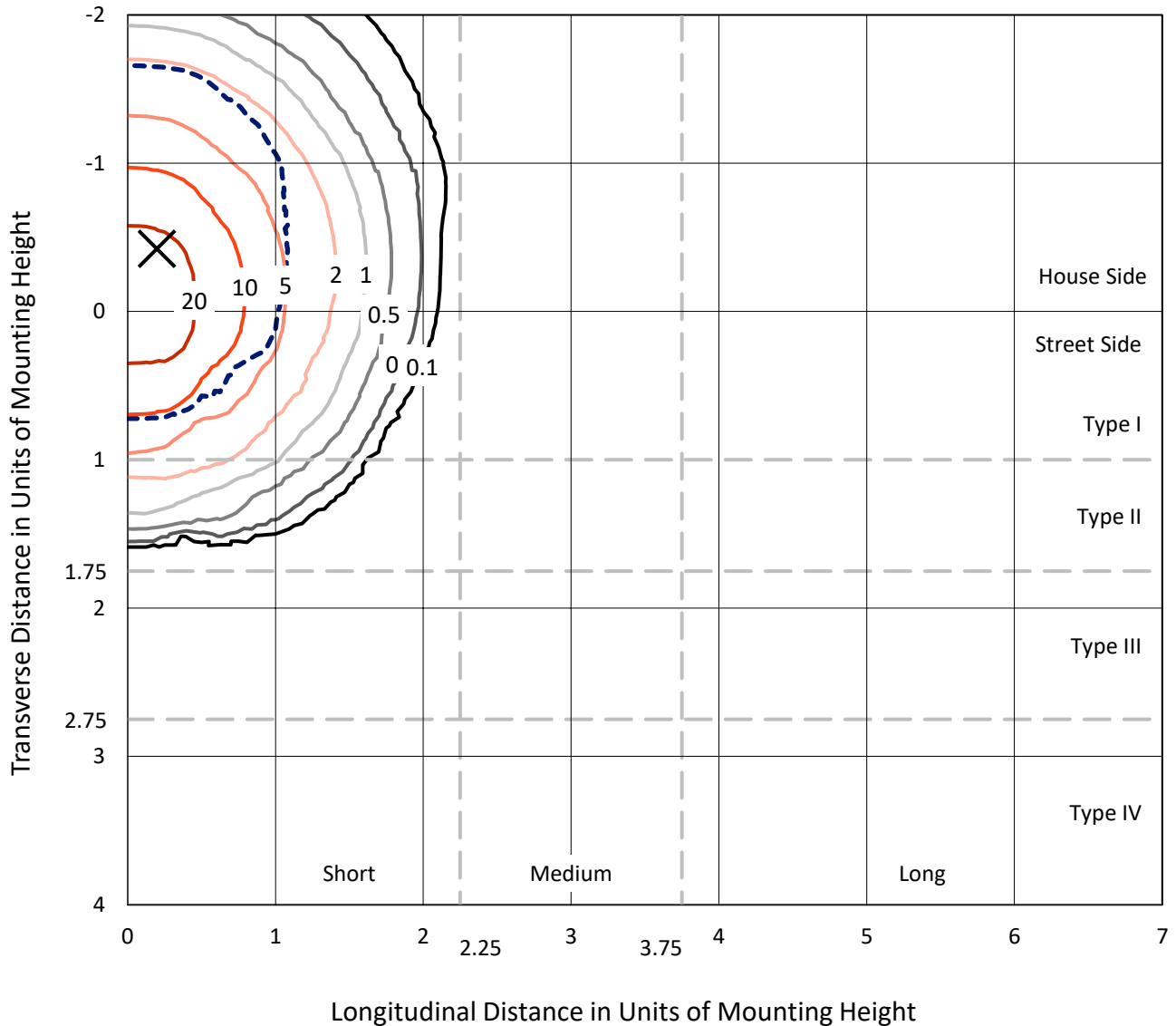
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

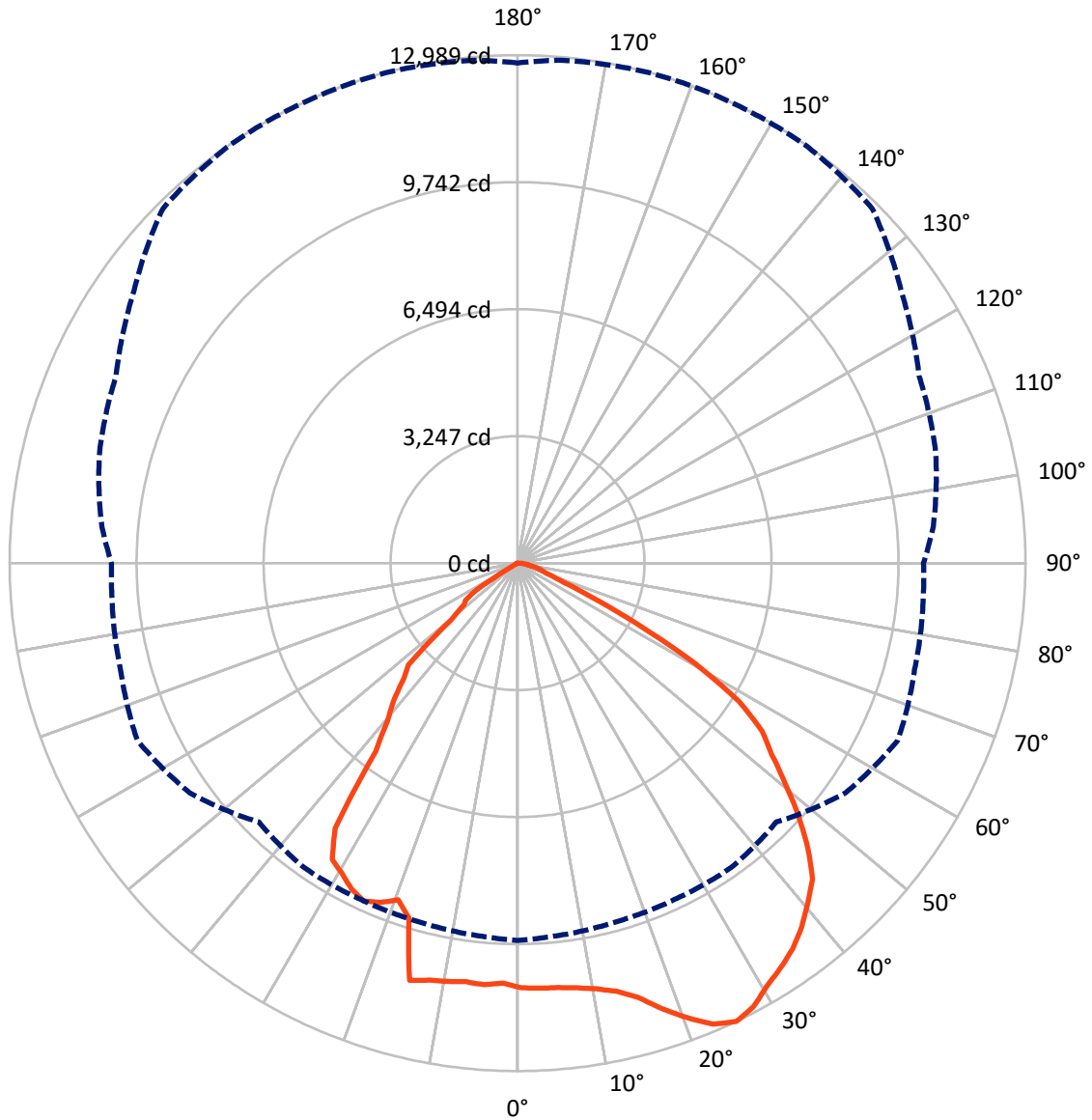
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 27.1 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
House Side	Lumens	15580.0	0.0	15580.0
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	9585.5	0.0	9585.5
	% Fixture	38.1	0.0	38.1
Total	Lumens	25165.4	0.0	25165.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1041.7	4.1
10°-20°	3180.8	12.6
20°-30°	5028.7	20.0
30°-40°	5680.4	22.6
40°-50°	5319.8	21.1
50°-60°	3667.6	14.6
60°-70°	985.4	3.9
70°-80°	205.3	0.8
80°-90°	55.6	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°	25165.4	100.0
0°-180°	25165.4	100.0



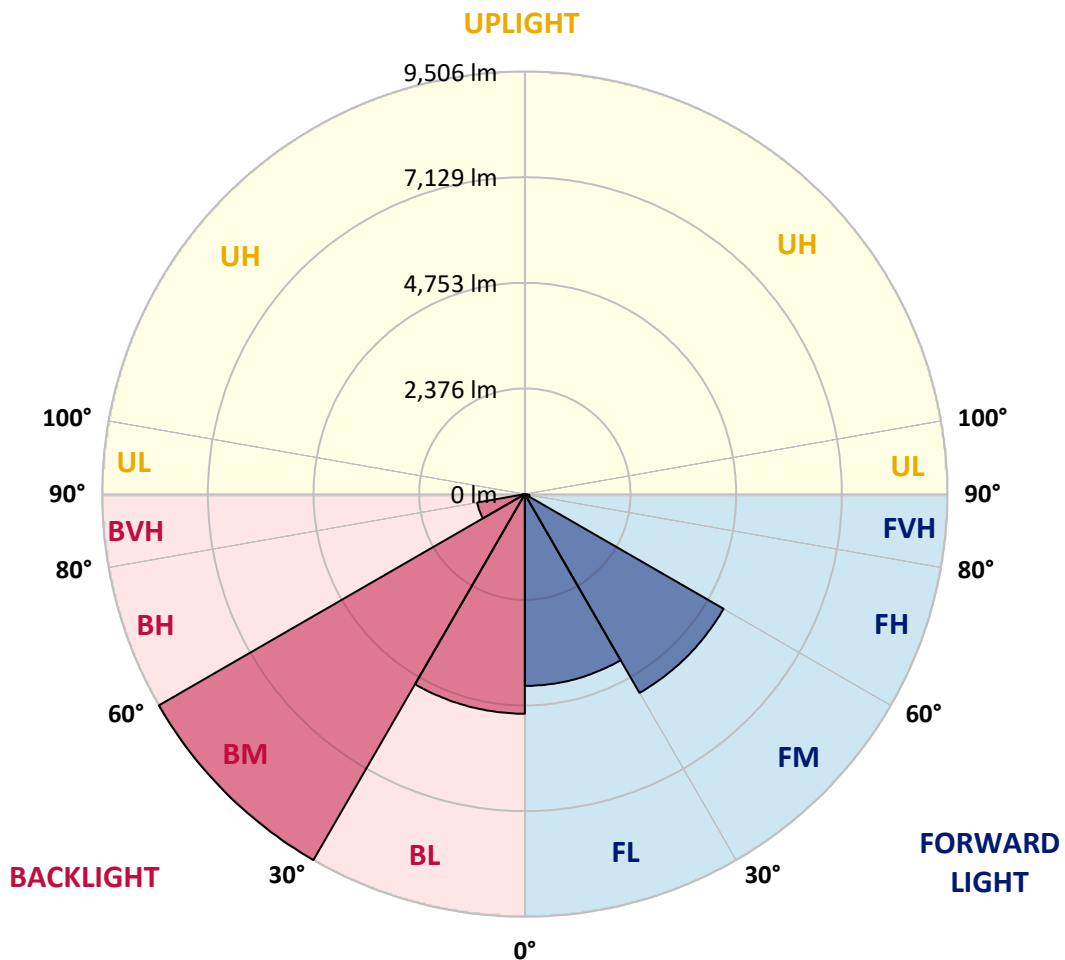
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4312.6	17.1			
FM (30°-60°)	5162.0	20.5			
FH (60°-80°)	103.5	0.4			G0/660
FVH (80°-90°)	7.5	0.0			G0/10
BL (0°-30°)	4938.8	19.6	B4/5000		
BM (30°-60°)	9505.8	37.8	B5		
BH (60°-80°)	1087.3	4.3	B3/2500		G3/2500
BVH (80°-90°)	48.1	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°	10858.4	10858.4	10858.4	10858.4	10858.4	10858.4	10858.4	10858.4	10858.4	10858.4
2.5°	10906.5	10836.2	10769.7	10747.5	10839.9	10939.8	10876.9	10880.6	10858.4	10899.1
5°	10987.9	10891.7	10847.3	10814.1	10828.8	10932.4	10843.6	10876.9	10839.9	10888.0
7.5°	10958.3	10891.7	10847.3	10784.5	10832.5	10954.6	10869.5	10873.2	10854.7	10899.1
10°	10939.8	10891.7	10836.2	10843.6	10899.1	11002.7	10936.1	10973.1	10947.2	10973.1
12.5°	10984.2	10932.4	10902.8	10902.8	10950.9	11069.2	11036.0	11069.2	11058.1	11080.3
15°	10566.3	10614.3	10895.4	11021.2	11117.3	11235.7	11220.9	11254.2	11261.6	11294.8
17.5°	8913.1	8865.0	8842.8	9490.0	11209.8	11575.9	11564.8	11561.1	11524.1	11498.3
20°	9131.3	9112.8	9086.9	9135.0	9327.3	11753.4	11827.4	11372.5	11239.4	11228.3
22.5°	9478.9	9449.4	9353.2	9356.9	9416.1	10218.6	11461.3	11047.1	11002.7	10976.8
25°	9649.1	9589.9	9512.2	9490.0	9508.5	9360.6	10237.1	10729.0	10510.8	10410.9
27.5°	9349.5	9353.2	9290.3	9349.5	9279.2	8613.5	8240.0	10107.7	10100.3	10055.9
30°	9123.9	9112.8	9038.8	9112.8	8628.3	7884.9	7725.9	9427.2	9349.5	9290.3
32.5°	8432.3	8439.7	8654.2	8942.7	8147.5	7559.5	7078.7	8421.2	9157.2	9123.9
35°	6032.1	6046.8	6808.7	8232.6	7418.9	6912.3	6875.3	7278.4	8853.9	8868.7
37.5°	5806.5	5806.5	5788.0	6021.0	6845.7	6649.7	6723.6	6683.0	8110.5	8147.5
40°	5643.7	5610.4	5584.5	5218.4	4759.8	6464.8	6516.5	6331.6	7666.7	7674.1
42.5°	5447.7	5410.7	5418.1	4741.3	4260.5	6006.2	5861.9	5614.1	6927.1	6934.5
45°	5089.0	5151.8	5196.2	4149.6	4112.6	4290.1	5407.0	5251.7	6427.8	6564.6
47.5°	2588.9	2644.3	4057.1	3816.7	3901.8	3813.0	4567.5	4571.2	5347.9	5802.8
50°	2348.5	2333.7	2337.4	2226.4	3602.2	3084.4	3302.7	4190.3	4282.7	4933.6
52.5°	2189.4	2185.7	1960.1	1741.9	2263.4	2714.6	2396.5	3032.7	3184.3	4179.2
55°	1619.9	1738.2	1545.9	1638.4	1416.5	2174.6	2163.6	2736.8	2788.6	3350.7
57.5°	14.8	18.5	44.4	1246.4	980.1	1087.3	1494.1	1867.7	1960.1	2611.1
60°	3.7	7.4	18.5	37.0	636.1	669.4	998.6	1079.9	1216.8	1557.0
62.5°	0.0	0.0	7.4	18.5	33.3	273.7	318.1	347.6	536.3	795.2
65°	0.0	0.0	3.7	11.1	18.5	44.4	77.7	162.7	233.0	288.5
67.5°	0.0	0.0	3.7	7.4	14.8	22.2	44.4	62.9	99.9	170.1
70°	0.0	0.0	3.7	7.4	11.1	18.5	29.6	44.4	59.2	85.1
72.5°	0.0	0.0	3.7	7.4	7.4	22.2	22.2	33.3	44.4	55.5
75°	0.0	0.0	3.7	3.7	7.4	14.8	22.2	25.9	29.6	44.4
77.5°	0.0	0.0	3.7	7.4	11.1	14.8	18.5	29.6	25.9	25.9
80°	0.0	0.0	3.7	11.1	11.1	18.5	22.2	29.6	18.5	18.5
82.5°	0.0	0.0	3.7	14.8	11.1	37.0	37.0	40.7	14.8	14.8
85°	0.0	0.0	11.1	7.4	22.2	37.0	33.3	22.2	18.5	11.1
87.5°	0.0	0.0	3.7	3.7	7.4	11.1	25.9	22.2	7.4	7.4
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°
10858.4	0°	10858.4	10858.4	10858.4	10858.4	10858.4	10858.4	10858.4	10858.4	10858.4
10791.9	2.5°	10939.8	10891.7	10991.6	10980.5	10932.4	10910.2	10884.3	10862.1	10699.4
10799.3	5°	10943.5	10869.5	10991.6	10969.4	10962.0	10925.0	10902.8	10936.1	10788.2
10828.8	7.5°	10943.5	10869.5	11002.7	11010.1	10999.0	10969.4	10965.7	10987.9	10865.8
10880.6	10°	11017.5	10987.9	11098.8	11109.9	11095.1	11087.7	11069.2	11054.4	10925.0
11058.1	12.5°	11172.8	11113.6	11239.4	11272.7	11261.6	11280.0	11235.7	11257.9	11124.7
11239.4	15°	11361.4	11365.1	11461.3	11535.2	11527.8	11587.0	11520.4	11579.6	11483.5
11446.5	17.5°	11649.9	11690.6	11827.4	11938.4	11979.0	12023.4	11979.0	11997.5	11860.7
11217.2	20°	11346.6	11498.3	12156.6	12360.0	12445.0	12485.7	12411.8	12433.9	12297.1
10936.1	22.5°	11072.9	11269.0	11853.3	12489.4	12752.0	12833.4	12807.5	12803.8	12752.0
10381.3	25°	10669.8	11065.5	11328.1	12001.2	12826.0	12973.9	12988.7	12985.0	12907.3
10041.1	27.5°	10174.2	10263.0	10943.5	11354.0	12308.2	12870.4	12848.2	12740.9	12637.4
9334.7	30°	9541.8	9944.9	10251.9	10906.5	11638.8	12552.3	12552.3	12470.9	12363.7
9083.2	32.5°	9220.1	9741.5	10026.3	10263.0	10888.0	12197.2	12345.2	12260.1	12175.1
8887.2	35°	9049.9	9127.6	9793.3	10007.8	10536.7	11513.0	12112.2	12027.1	11964.2
8365.7	37.5°	8676.4	8857.6	9168.3	9741.5	9904.3	10954.6	11801.5	11757.1	11683.2
7688.9	40°	7844.3	8328.7	8805.8	9349.5	9519.6	10237.1	11424.3	11442.8	11342.9
6967.7	42.5°	7352.4	7681.5	8428.6	8794.7	9253.3	9774.8	11058.1	11087.7	11017.5
6601.6	45°	6775.4	7141.6	7666.7	8332.4	8957.5	9138.7	10410.9	10721.6	10662.4
5873.0	47.5°	6246.6	6542.4	7185.9	7859.1	8550.6	8524.8	9667.6	10251.9	10170.5
5314.6	50°	5495.8	6013.6	6316.8	6934.5	7966.3	8036.6	8876.1	9700.8	9634.3
4515.7	52.5°	4634.1	5285.0	5865.6	6431.5	7374.6	7541.0	8140.1	9138.7	9094.3
3450.6	55°	4049.7	4523.1	5177.7	5632.6	6657.1	7100.9	7589.1	8602.4	8580.2
2836.7	57.5°	2881.0	3794.5	4334.5	4970.6	5510.6	6313.1	6675.6	7511.4	7304.3
1571.8	60°	1952.7	2381.8	3040.1	3724.3	4086.7	4889.3	5225.8	5895.2	5839.7
939.4	62.5°	1031.8	1427.6	1897.3	2241.2	2503.8	3284.2	3424.7	4145.9	4127.4
377.2	65°	454.9	602.8	1028.1	1205.7	1475.7	1838.1	1960.1	2219.0	2156.2
184.9	67.5°	236.7	358.7	580.6	713.8	898.7	1035.5	1135.4	1216.8	1268.5
122.0	70°	144.2	262.6	358.7	495.6	617.6	728.6	806.2	917.2	983.8
62.9	72.5°	107.3	166.4	247.8	380.9	447.5	576.9	654.6	736.0	795.2
51.8	75°	59.2	111.0	199.7	299.6	358.7	469.7	540.0	595.4	613.9
29.6	77.5°	37.0	85.1	166.4	233.0	281.1	380.9	362.4	414.2	458.6
22.2	80°	25.9	62.9	129.4	192.3	196.0	244.1	288.5	332.9	362.4
14.8	82.5°	18.5	51.8	96.2	147.9	129.4	188.6	225.6	258.9	188.6
11.1	85°	14.8	37.0	48.1	88.8	74.0	133.1	114.6	111.0	74.0
7.4	87.5°	11.1	18.5	33.3	40.7	29.6	29.6	37.0	44.4	37.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
10858.4
10588.5
10662.4
10725.3
10817.8
11006.4
11324.4
11742.3
12200.9
12585.6
12789.0
12556.0
12323.0
12104.8
11875.5
11609.2
11320.7
11010.1
10669.8
10229.7
9645.4
9123.9
8606.1
7282.1
5843.4
4131.1
2130.3
1268.5
987.5
806.2
602.8
466.0
366.1
136.8
74.0
37.0
0.0

(END OF REPORT)