

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: P636747

Luminaire Tested: **IFLD-S-SA6A-930-U-77-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636747
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-930-U-77-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13286.5 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

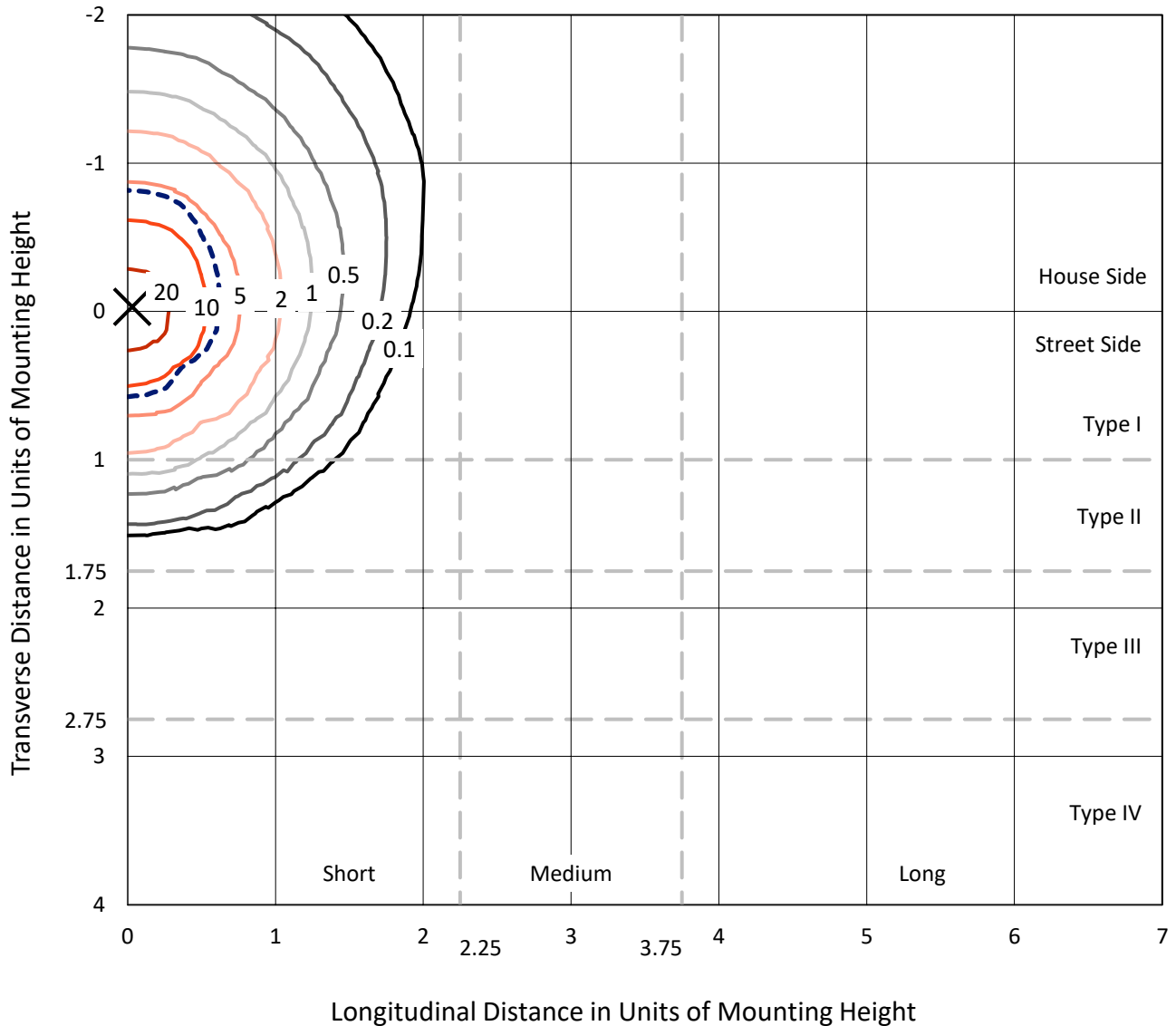
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636747
 CATALOG NUMBER: IFLD-S-SA6A-930-U-77-VI

Iso-Footcandle Lines of Horizontal Illumination

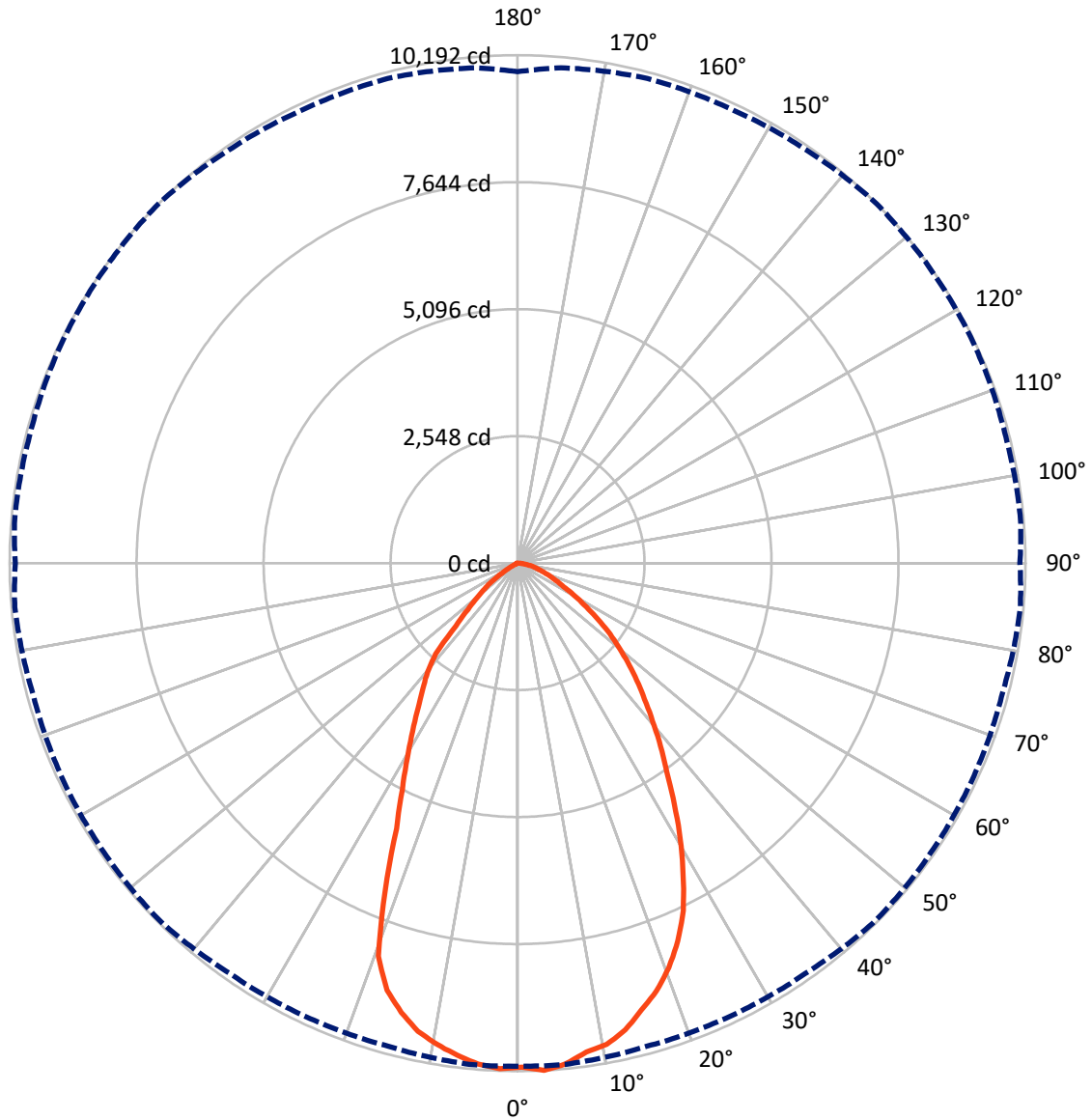
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 25.3 fc
 Type I - Short - N/A

REPORT NUMBER: P636747
CATALOG NUMBER: IFLD-S-SA6A-930-U-77-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 135-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P636747

CATALOG NUMBER: IFLD-S-SA6A-930-U-77-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7869.0	0.0	7869.0
	% Fixture	59.2	0.0	59.2
Street Side	Lumens	5417.6	0.0	5417.6
	% Fixture	40.8	0.0	40.8
Total	Lumens	13286.5	0.0	13286.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	948.3	7.1
10°-20°	2542.8	19.1
20°-30°	3101.1	23.3
30°-40°	2831.3	21.3
40°-50°	2046.1	15.4
50°-60°	1117.2	8.4
60°-70°	461.9	3.5
70°-80°	187.1	1.4
80°-90°	50.9	0.4
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°	13286.5	100.0
0°-180°	13286.5	100.0



REPORT NUMBER: P636747

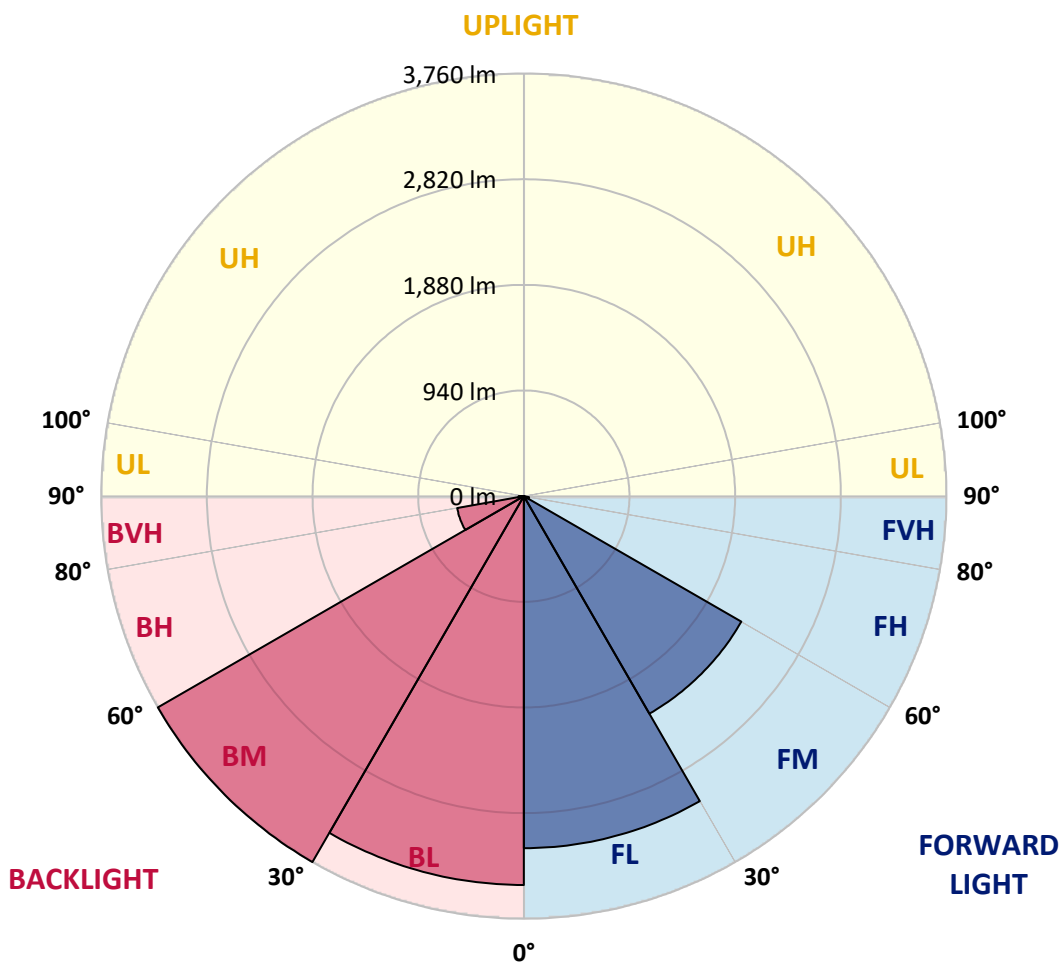
CATALOG NUMBER: IFLD-S-SA6A-930-U-77-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3132.1	23.6			
FM	(30°-60°)	2234.6	16.8			
FH	(60°-80°)	46.8	0.4			G0/660
FVH	(80°-90°)	4.1	0.0			G0/10
BL	(0°-30°)	3460.0	26.0	B4/5000		
BM	(30°-60°)	3760.0	28.3	B3/5000		
BH	(60°-80°)	602.2	4.5	B2/1000		G2/1000
BVH	(80°-90°)	46.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type I Short





REPORT NUMBER: P636747
 CATALOG NUMBER: IFLD-S-SA6A-930-U-77-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10111.0	10111.0	10111.0	10111.0	10111.0	10111.0	10111.0	10111.0	10111.0	10111.0
2.5°	10092.3	10105.4	10034.3	10041.8	10054.9	10150.3	10126.0	10103.5	10071.7	10126.0
5°	10079.2	10086.7	10011.9	9985.7	9996.9	10083.0	10004.4	10004.4	9996.9	9987.5
7.5°	9978.2	9981.9	9923.9	9877.1	9907.1	9946.4	9888.4	9916.4	9875.3	9907.1
10°	9826.6	9802.3	9733.1	9720.0	9753.7	9791.1	9751.8	9778.0	9740.6	9764.9
12.5°	9604.0	9566.6	9510.4	9493.6	9551.6	9602.1	9570.3	9555.3	9506.7	9566.6
15°	8745.2	8717.1	8844.3	9067.0	9267.2	9310.2	9276.5	9291.5	9190.5	9207.3
17.5°	7197.8	7145.4	7282.0	7809.7	8561.8	8958.5	8928.5	8831.2	8681.6	8715.2
20°	6541.1	6526.1	6511.2	6636.5	7162.3	8365.4	8406.5	8159.5	7946.2	7899.5
22.5°	6170.6	6165.0	6150.1	6178.1	6316.6	7089.3	7560.8	7332.6	7190.4	7177.3
25°	5832.0	5822.6	5777.7	5813.3	5813.3	5858.2	6462.5	6601.0	6475.6	6460.7
27.5°	5487.7	5470.9	5463.4	5480.2	5394.2	5091.1	5244.5	5919.9	5854.4	5858.2
30°	5115.4	5109.8	5089.2	5124.7	4859.1	4483.0	4385.7	5302.5	5315.6	5311.8
32.5°	4561.6	4585.9	4679.4	4718.7	4280.9	3970.3	3807.5	4587.8	4855.3	4849.7
35°	3313.6	3313.6	3618.6	4185.5	3751.4	3517.5	3429.6	3889.9	4400.7	4419.4
37.5°	2724.2	2733.6	2793.4	3051.6	3236.9	3154.6	3128.4	3274.3	3816.9	3846.8
40°	2451.0	2451.0	2451.0	2344.4	2338.8	2842.1	2827.1	2780.3	3296.7	3362.2
42.5°	2202.2	2207.8	2211.6	1942.1	1792.4	2456.7	2423.0	2351.9	2830.9	2907.6
45°	1945.9	1955.2	1966.4	1624.1	1558.6	1768.1	2050.6	1972.1	2370.6	2469.8
47.5°	1188.1	1203.1	1457.5	1377.1	1384.6	1364.0	1672.7	1659.6	1944.0	2084.3
50°	802.7	808.3	832.6	873.8	1188.1	1072.1	1184.4	1373.3	1476.2	1689.5
52.5°	673.6	682.9	623.1	566.9	780.2	838.2	827.0	1019.7	1060.9	1324.7
55°	473.4	503.3	475.2	469.6	443.4	651.1	626.8	784.0	810.2	1006.6
57.5°	48.6	56.1	97.3	349.9	290.0	368.6	447.2	574.4	600.6	742.8
60°	3.7	3.7	9.4	48.6	211.4	220.8	308.7	353.6	404.1	518.3
62.5°	0.0	1.9	3.7	7.5	33.7	117.9	155.3	185.2	243.2	334.9
65°	0.0	0.0	1.9	5.6	7.5	44.9	59.9	97.3	132.8	207.7
67.5°	0.0	0.0	1.9	3.7	5.6	11.2	20.6	35.5	71.1	117.9
70°	0.0	0.0	1.9	3.7	5.6	9.4	15.0	22.5	31.8	63.6
72.5°	0.0	0.0	1.9	1.9	3.7	9.4	11.2	15.0	22.5	31.8
75°	0.0	0.0	1.9	1.9	5.6	11.2	9.4	11.2	15.0	20.6
77.5°	0.0	0.0	1.9	3.7	5.6	11.2	9.4	11.2	11.2	13.1
80°	0.0	0.0	1.9	3.7	7.5	13.1	11.2	11.2	9.4	9.4
82.5°	0.0	0.0	1.9	5.6	7.5	16.8	16.8	15.0	7.5	5.6
85°	0.0	0.0	3.7	7.5	11.2	18.7	18.7	15.0	5.6	3.7
87.5°	0.0	0.0	3.7	5.6	9.4	13.1	18.7	15.0	5.6	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636747

CATALOG NUMBER: IFLD-S-SA6A-930-U-77-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
10111.0	0°	10111.0	10111.0	10111.0	10111.0	10111.0	10111.0	10111.0	10111.0	10111.0
10079.2	2.5°	10129.7	10118.5	10155.9	10170.9	10191.5	10112.9	10064.2	10066.1	9976.3
9965.1	5°	10025.0	10026.8	10075.5	10071.7	10092.3	10049.3	10030.6	9998.8	9920.2
9821.0	7.5°	9892.1	9875.3	9922.1	9957.6	9905.2	9935.1	9892.1	9907.1	9860.3
9693.8	10°	9789.2	9749.9	9793.0	9817.3	9819.1	9789.2	9748.0	9708.8	9691.9
9495.5	12.5°	9560.9	9510.4	9583.4	9617.1	9611.5	9553.5	9506.7	9516.0	9461.8
9147.4	15°	9246.6	9248.5	9300.9	9332.7	9302.7	9289.6	9293.4	9270.9	9224.2
8666.6	17.5°	8765.8	8793.8	8932.3	9009.0	9025.8	8999.6	8986.5	8960.3	8913.6
7899.5	20°	7965.0	8133.4	8380.3	8617.9	8664.7	8657.2	8610.5	8599.2	8573.0
7139.8	22.5°	7261.5	7386.8	7673.1	8043.5	8234.4	8253.1	8197.0	8180.1	8152.1
6460.7	25°	6533.6	6668.3	6926.5	7328.8	7723.6	7804.1	7794.7	7744.2	7714.2
5858.2	27.5°	5919.9	6054.6	6288.5	6651.5	7074.3	7332.6	7356.9	7276.4	7274.5
5321.2	30°	5366.1	5551.3	5729.1	6024.7	6434.5	6821.8	6862.9	6806.8	6812.4
4829.1	32.5°	4932.0	5085.4	5237.0	5435.3	5775.9	6226.8	6387.7	6335.3	6314.7
4419.4	35°	4488.6	4593.4	4748.7	4930.2	5162.2	5609.3	5888.1	5848.8	5828.2
3865.5	37.5°	3983.4	4163.0	4275.3	4479.2	4660.7	5016.2	5409.1	5403.5	5360.5
3394.0	40°	3465.1	3654.1	3824.4	4030.2	4170.5	4453.0	4889.0	4887.1	4892.7
2905.7	42.5°	2995.5	3169.5	3375.3	3599.9	3734.6	3940.4	4408.1	4434.3	4466.1
2503.4	45°	2570.8	2728.0	2918.8	3192.0	3354.7	3472.6	3888.0	4007.7	4005.9
2144.2	47.5°	2189.1	2336.9	2497.8	2763.5	2971.2	3077.8	3422.1	3592.4	3581.1
1758.8	50°	1837.3	1968.3	2136.7	2329.4	2608.2	2701.8	2958.1	3182.6	3165.8
1401.4	52.5°	1478.1	1659.6	1801.8	1977.7	2271.4	2363.1	2561.4	2780.3	2767.2
1051.5	55°	1152.6	1328.4	1500.6	1652.1	1899.1	2035.7	2177.9	2402.4	2398.7
823.3	57.5°	871.9	1064.6	1227.4	1371.5	1567.9	1736.3	1850.4	2054.4	2080.6
563.2	60°	645.5	793.3	969.2	1130.1	1285.4	1459.4	1536.1	1736.3	1747.5
385.4	62.5°	439.7	602.5	774.6	920.5	1036.5	1216.2	1285.4	1450.0	1470.6
247.0	65°	305.0	409.8	606.2	711.0	853.2	1006.6	1075.8	1206.8	1248.0
142.2	67.5°	202.1	291.9	473.4	568.8	709.1	813.9	901.8	1008.5	1053.4
89.8	70°	110.4	215.2	338.7	449.0	570.7	671.7	757.8	843.8	883.1
41.2	72.5°	74.8	144.1	235.7	355.5	460.3	559.4	636.1	699.8	701.6
24.3	75°	37.4	97.3	179.6	275.0	359.2	456.5	525.8	563.2	518.3
15.0	77.5°	22.5	71.1	145.9	220.8	291.9	368.6	407.9	428.5	355.5
11.2	80°	13.1	50.5	114.1	175.9	202.1	271.3	308.7	314.3	237.6
7.5	82.5°	9.4	37.4	89.8	129.1	123.5	190.8	232.0	224.5	151.6
5.6	85°	5.6	26.2	56.1	80.5	74.8	125.4	134.7	138.5	87.9
3.7	87.5°	3.7	15.0	29.9	43.0	35.5	54.3	54.3	65.5	43.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
10111.0
9860.3
9901.5
9781.7
9617.1
9415.0
9177.4
8893.0
8513.2
8144.6
7682.4
7270.8
6784.3
6316.6
5800.2
5396.0
4892.7
4449.3
4009.6
3584.9
3180.7
2795.3
2408.0
2069.4
1764.4
1474.4
1238.6
1047.8
868.2
684.8
484.6
342.4
222.7
140.3
80.5
37.4
0.0

(END OF REPORT)