

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: P636937

Luminaire Tested: **IFLD-L-SA8B-935-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636937
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-935-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19917.6 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

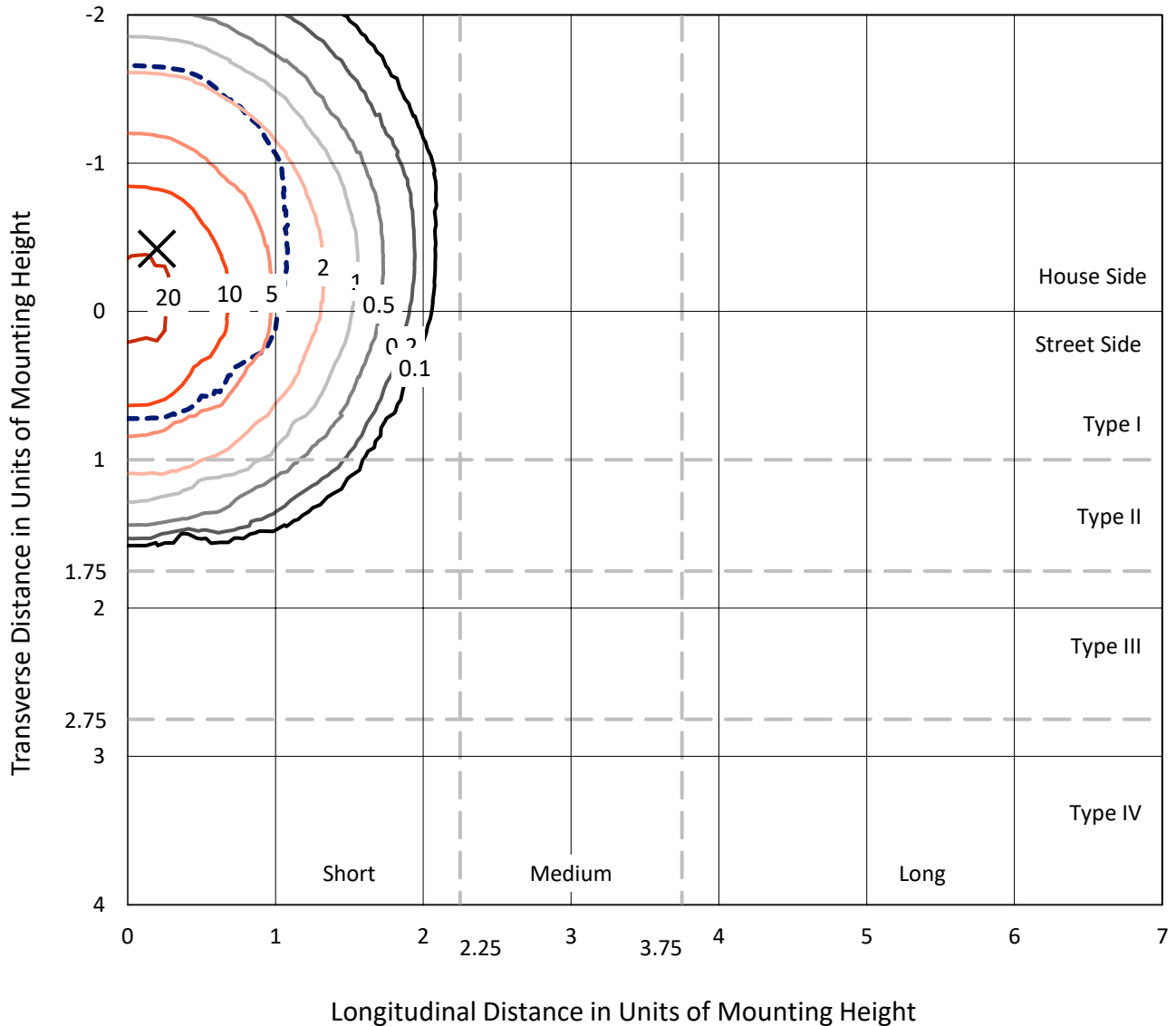
Input Watts (W): 320
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636937
 CATALOG NUMBER: IFLD-L-SA8B-935-U-LAM-VI

Iso-Footcandle Lines of Horizontal Illumination

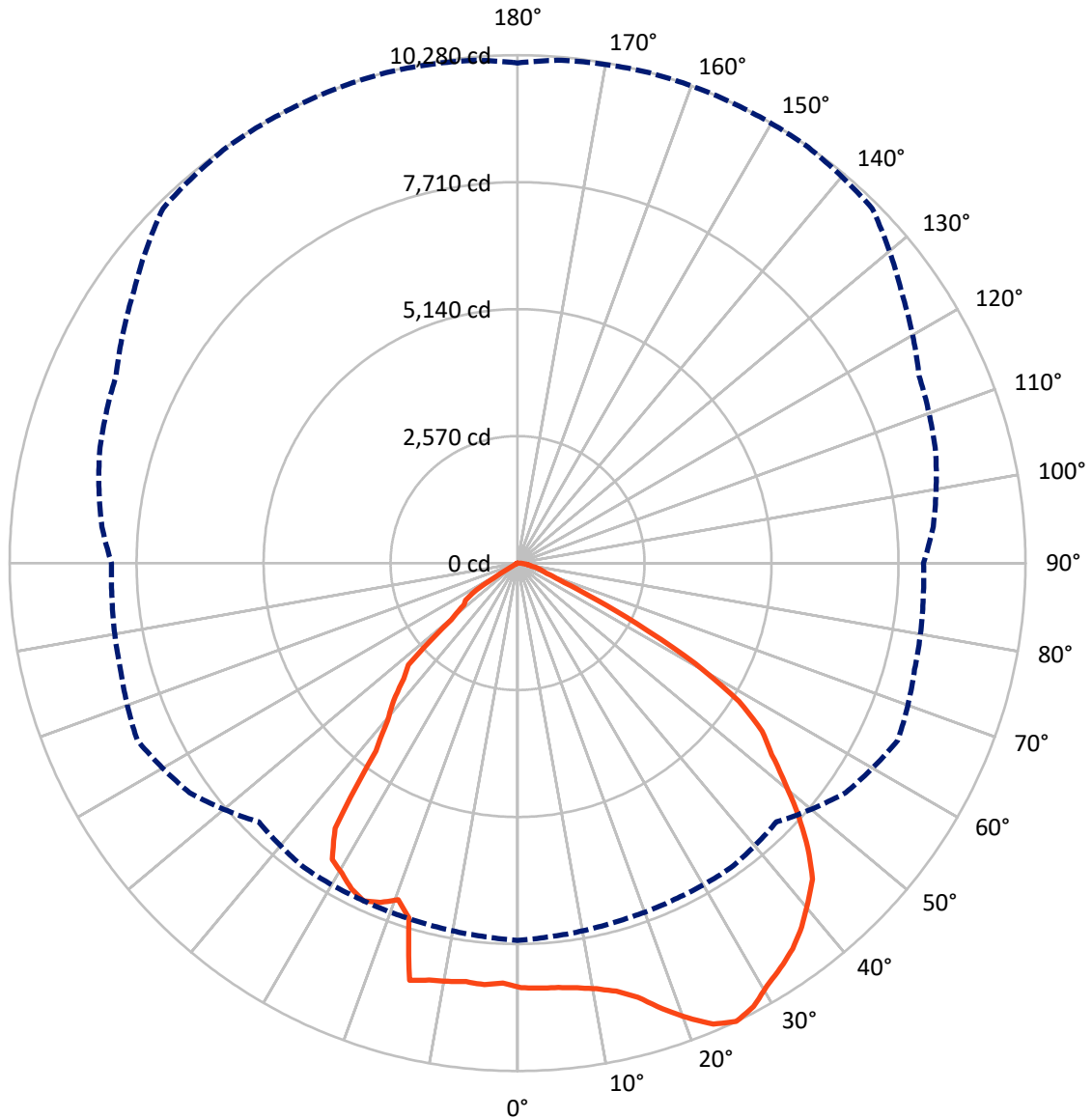
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 21.5 fc
 Type I - Short - N/A

REPORT NUMBER: P636937
CATALOG NUMBER: IFLD-L-SA8B-935-U-LAM-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 25-Deg Vertical

REPORT NUMBER: P636937
 CATALOG NUMBER: IFLD-L-SA8B-935-U-LAM-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12331.0	0.0	12331.0
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	7586.6	0.0	7586.6
	% Fixture	38.1	0.0	38.1
Total	Lumens	19917.6	0.0	19917.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.5	4.1
10°-20°	2517.5	12.6
20°-30°	3980.1	20.0
30°-40°	4495.9	22.6
40°-50°	4210.5	21.1
50°-60°	2902.8	14.6
60°-70°	779.9	3.9
70°-80°	162.5	0.8
80°-90°	44.0	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°	19917.6	100.0
0°-180°	19917.6	100.0



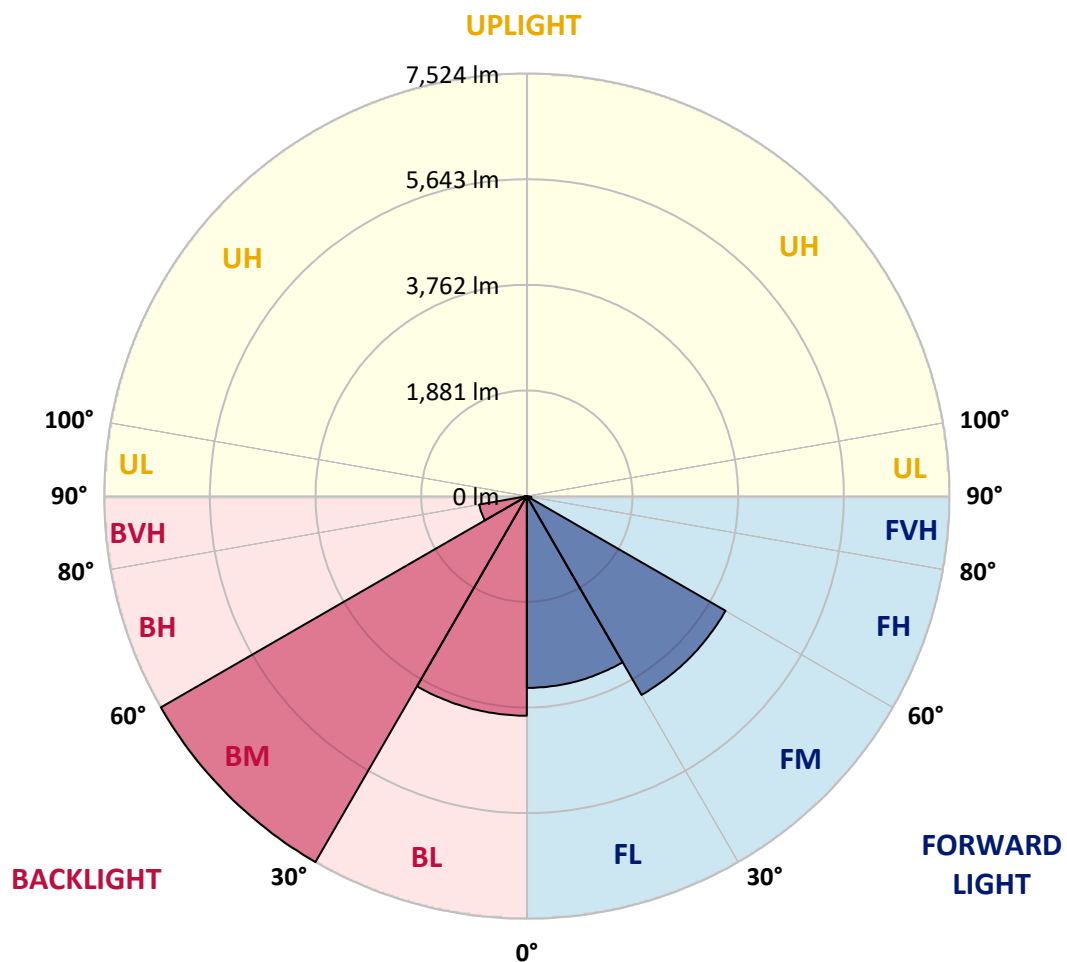
REPORT NUMBER: P636937
 CATALOG NUMBER: IFLD-L-SA8B-935-U-LAM-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3413.2	17.1			
FM (30°-60°)	4085.6	20.5			
FH (60°-80°)	81.9	0.4			G0/660
FVH (80°-90°)	5.9	0.0			G0/10
BL (0°-30°)	3908.9	19.6	B4/5000		
BM (30°-60°)	7523.6	37.8	B4/8500		
BH (60°-80°)	860.5	4.3	B2/1000		G2/1000
BVH (80°-90°)	38.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type I Short





REPORT NUMBER: P636937
 CATALOG NUMBER: IFLD-L-SA8B-935-U-LAM-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8594.1	8594.1	8594.1	8594.1	8594.1	8594.1	8594.1	8594.1	8594.1	8594.1
2.5°	8632.2	8576.5	8523.8	8506.3	8579.5	8658.5	8608.7	8611.7	8594.1	8626.3
5°	8696.5	8620.4	8585.3	8559.0	8570.7	8652.6	8582.4	8608.7	8579.5	8617.5
7.5°	8673.1	8620.4	8585.3	8535.6	8573.6	8670.2	8602.9	8605.8	8591.2	8626.3
10°	8658.5	8620.4	8576.5	8582.4	8626.3	8708.3	8655.6	8684.8	8664.4	8684.8
12.5°	8693.6	8652.6	8629.2	8629.2	8667.3	8760.9	8734.6	8760.9	8752.2	8769.7
15°	8362.9	8400.9	8623.4	8722.9	8799.0	8892.7	8881.0	8907.3	8913.2	8939.5
17.5°	7054.4	7016.4	6998.8	7511.1	8872.2	9162.0	9153.2	9150.3	9121.0	9100.5
20°	7227.1	7212.5	7192.0	7230.0	7382.3	9302.5	9361.0	9001.0	8895.6	8886.8
22.5°	7502.3	7478.9	7402.8	7405.7	7452.5	8087.7	9071.2	8743.4	8708.3	8687.8
25°	7636.9	7590.1	7528.6	7511.1	7525.7	7408.6	8102.3	8491.6	8318.9	8239.9
27.5°	7399.8	7402.8	7353.0	7399.8	7344.2	6817.3	6521.7	7999.9	7994.0	7958.9
30°	7221.3	7212.5	7153.9	7212.5	6829.0	6240.7	6114.8	7461.3	7399.8	7353.0
32.5°	6673.9	6679.7	6849.5	7077.8	6448.5	5983.1	5602.6	6665.1	7247.6	7221.3
35°	4774.2	4785.9	5388.9	6515.8	5871.9	5470.8	5441.6	5760.6	7007.6	7019.3
37.5°	4595.6	4595.6	4581.0	4765.4	5418.1	5263.0	5321.6	5289.4	6419.2	6448.5
40°	4466.8	4440.5	4420.0	4130.2	3767.2	5116.7	5157.6	5011.3	6068.0	6073.8
42.5°	4311.7	4282.4	4288.3	3752.6	3372.1	4753.7	4639.5	4443.4	5482.5	5488.4
45°	4027.8	4077.5	4112.6	3284.3	3255.0	3395.5	4279.5	4156.5	5087.4	5195.7
47.5°	2049.0	2092.9	3211.1	3020.8	3088.1	3017.9	3615.0	3618.0	4232.7	4592.7
50°	1858.7	1847.0	1850.0	1762.1	2851.0	2441.2	2613.9	3316.5	3389.6	3904.8
52.5°	1732.9	1729.9	1551.4	1378.7	1791.4	2148.5	1896.8	2400.3	2520.3	3307.7
55°	1282.1	1375.8	1223.5	1296.7	1121.1	1721.2	1712.4	2166.1	2207.1	2652.0
57.5°	11.7	14.6	35.1	986.4	775.7	860.6	1182.6	1478.2	1551.4	2066.6
60°	2.9	5.9	14.6	29.3	503.5	529.8	790.3	854.7	963.0	1232.3
62.5°	0.0	0.0	5.9	14.6	26.3	216.6	251.7	275.2	424.4	629.3
65°	0.0	0.0	2.9	8.8	14.6	35.1	61.5	128.8	184.4	228.3
67.5°	0.0	0.0	2.9	5.9	11.7	17.6	35.1	49.8	79.0	134.6
70°	0.0	0.0	2.9	5.9	8.8	14.6	23.4	35.1	46.8	67.3
72.5°	0.0	0.0	2.9	5.9	5.9	17.6	17.6	26.3	35.1	43.9
75°	0.0	0.0	2.9	2.9	5.9	11.7	17.6	20.5	23.4	35.1
77.5°	0.0	0.0	2.9	5.9	8.8	11.7	14.6	23.4	20.5	20.5
80°	0.0	0.0	2.9	8.8	8.8	14.6	17.6	23.4	14.6	14.6
82.5°	0.0	0.0	2.9	11.7	8.8	29.3	29.3	32.2	11.7	11.7
85°	0.0	0.0	8.8	5.9	17.6	29.3	26.3	17.6	14.6	8.8
87.5°	0.0	0.0	2.9	2.9	5.9	8.8	20.5	17.6	5.9	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636937

CATALOG NUMBER: IFLD-L-SA8B-935-U-LAM-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
8594.1	0°	8594.1	8594.1	8594.1	8594.1	8594.1	8594.1	8594.1	8594.1	8594.1
8541.4	2.5°	8658.5	8620.4	8699.5	8690.7	8652.6	8635.1	8614.6	8597.0	8468.2
8547.3	5°	8661.4	8602.9	8699.5	8681.9	8676.1	8646.8	8629.2	8655.6	8538.5
8570.7	7.5°	8661.4	8602.9	8708.3	8714.1	8705.3	8681.9	8679.0	8696.5	8600.0
8611.7	10°	8720.0	8696.5	8784.4	8793.1	8781.4	8775.6	8760.9	8749.2	8646.8
8752.2	12.5°	8842.9	8796.1	8895.6	8921.9	8913.2	8927.8	8892.7	8910.2	8804.9
8895.6	15°	8992.2	8995.1	9071.2	9129.8	9123.9	9170.7	9118.1	9164.9	9088.8
9059.5	17.5°	9220.5	9252.7	9361.0	9448.8	9481.0	9516.2	9481.0	9495.7	9387.4
8878.0	20°	8980.5	9100.5	9621.5	9782.5	9849.8	9882.0	9823.5	9841.1	9732.8
8655.6	22.5°	8763.9	8919.0	9381.5	9885.0	10092.8	10157.2	10136.7	10133.8	10092.8
8216.5	25°	8444.8	8758.0	8965.8	9498.6	10151.3	10268.4	10280.1	10277.2	10215.7
7947.2	27.5°	8052.6	8122.8	8661.4	8986.3	9741.5	10186.5	10168.9	10084.0	10002.1
7388.1	30°	7552.0	7871.1	8114.0	8632.2	9211.7	9934.7	9934.7	9870.3	9785.4
7189.1	32.5°	7297.4	7710.1	7935.5	8122.8	8617.5	9653.7	9770.8	9703.5	9636.2
7033.9	35°	7162.7	7224.2	7751.1	7920.9	8339.4	9112.2	9586.4	9519.1	9469.3
6621.2	37.5°	6867.1	7010.5	7256.4	7710.1	7838.9	8670.2	9340.5	9305.4	9246.9
6085.5	40°	6208.5	6591.9	6969.5	7399.8	7534.5	8102.3	9042.0	9056.6	8977.6
5514.7	42.5°	5819.2	6079.7	6671.0	6960.8	7323.7	7736.4	8752.2	8775.6	8720.0
5225.0	45°	5362.5	5652.3	6068.0	6594.9	7089.5	7233.0	8239.9	8485.8	8439.0
4648.3	47.5°	4943.9	5178.1	5687.4	6220.2	6767.6	6747.1	7651.6	8114.0	8049.7
4206.3	50°	4349.7	4759.5	4999.6	5488.4	6305.1	6360.7	7025.1	7677.9	7625.2
3574.0	52.5°	3667.7	4182.9	4642.5	5090.3	5836.7	5968.4	6442.6	7233.0	7197.9
2731.0	55°	3205.2	3579.9	4098.0	4458.0	5268.9	5620.1	6006.5	6808.5	6791.0
2245.1	57.5°	2280.2	3003.3	3430.6	3934.1	4361.4	4996.6	5283.5	5945.0	5781.1
1244.0	60°	1545.5	1885.1	2406.1	2947.6	3234.5	3869.7	4136.1	4665.9	4622.0
743.5	62.5°	816.7	1129.9	1501.6	1773.9	1981.7	2599.3	2710.5	3281.3	3266.7
298.6	65°	360.0	477.1	813.7	954.2	1167.9	1454.8	1551.4	1756.3	1706.5
146.4	67.5°	187.3	283.9	459.6	564.9	711.3	819.6	898.6	963.0	1004.0
96.6	70°	114.2	207.8	283.9	392.2	488.8	576.6	638.1	725.9	778.6
49.8	72.5°	84.9	131.7	196.1	301.5	354.2	456.6	518.1	582.5	629.3
41.0	75°	46.8	87.8	158.1	237.1	283.9	371.7	427.4	471.3	485.9
23.4	77.5°	29.3	67.3	131.7	184.4	222.5	301.5	286.9	327.8	363.0
17.6	80°	20.5	49.8	102.5	152.2	155.1	193.2	228.3	263.4	286.9
11.7	82.5°	14.6	41.0	76.1	117.1	102.5	149.3	178.6	204.9	149.3
8.8	85°	11.7	29.3	38.1	70.3	58.5	105.4	90.7	87.8	58.5
5.9	87.5°	8.8	14.6	26.3	32.2	23.4	23.4	29.3	35.1	29.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
8594.1
8380.4
8439.0
8488.7
8561.9
8711.2
8962.9
9293.7
9656.7
9961.1
10122.1
9937.7
9753.2
9580.5
9399.1
9188.3
8960.0
8714.1
8444.8
8096.5
7634.0
7221.3
6811.5
5763.5
4624.9
3269.6
1686.0
1004.0
781.5
638.1
477.1
368.8
289.8
108.3
58.5
29.3
0.0

(END OF REPORT)