

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: P636933

Luminaire Tested: **IFLD-L-SA7C-935-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636933
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-935-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21695.2 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

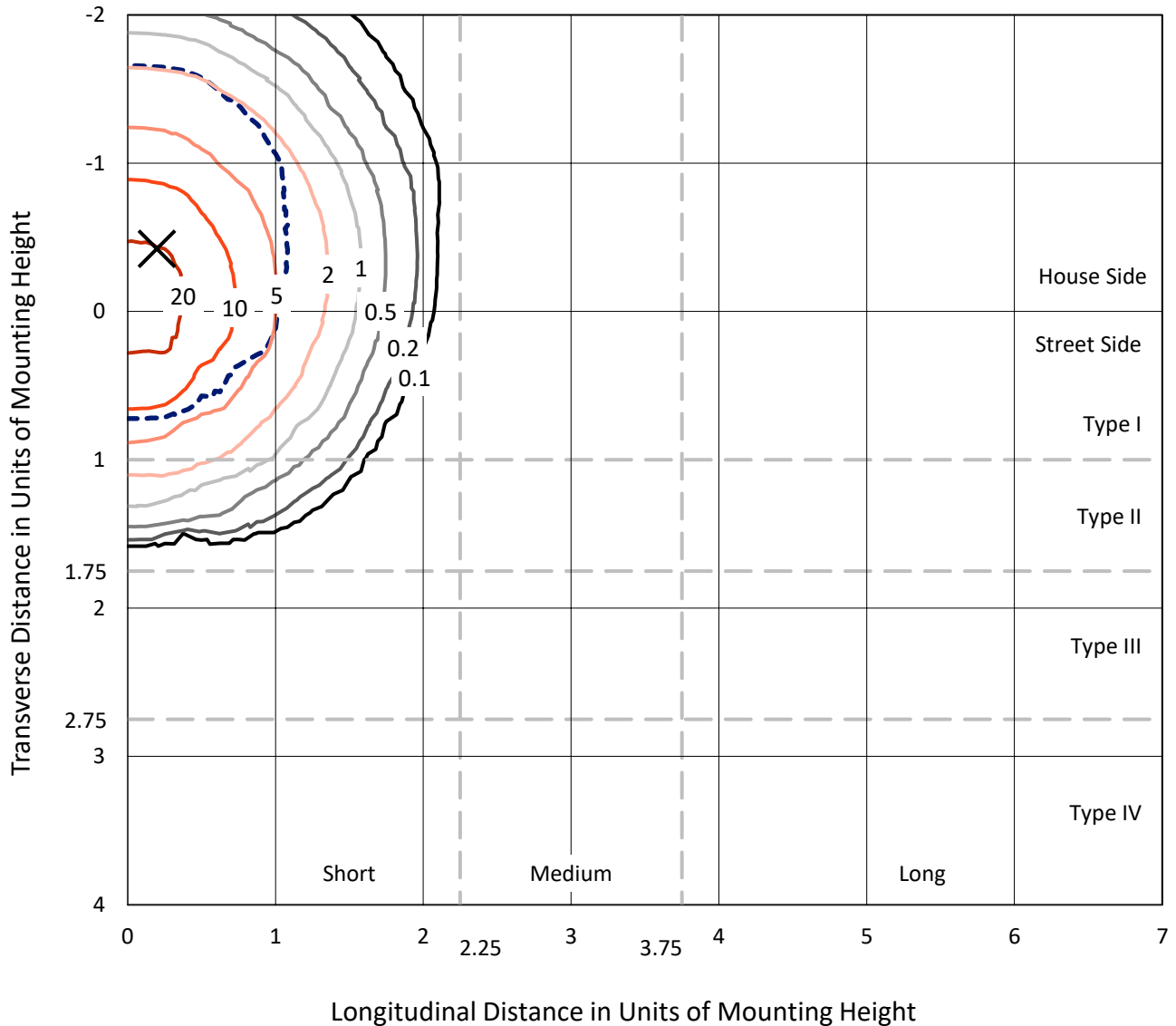
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636933
 CATALOG NUMBER: IFLD-L-SA7C-935-U-LAM-VI

Iso-Footcandle Lines of Horizontal Illumination

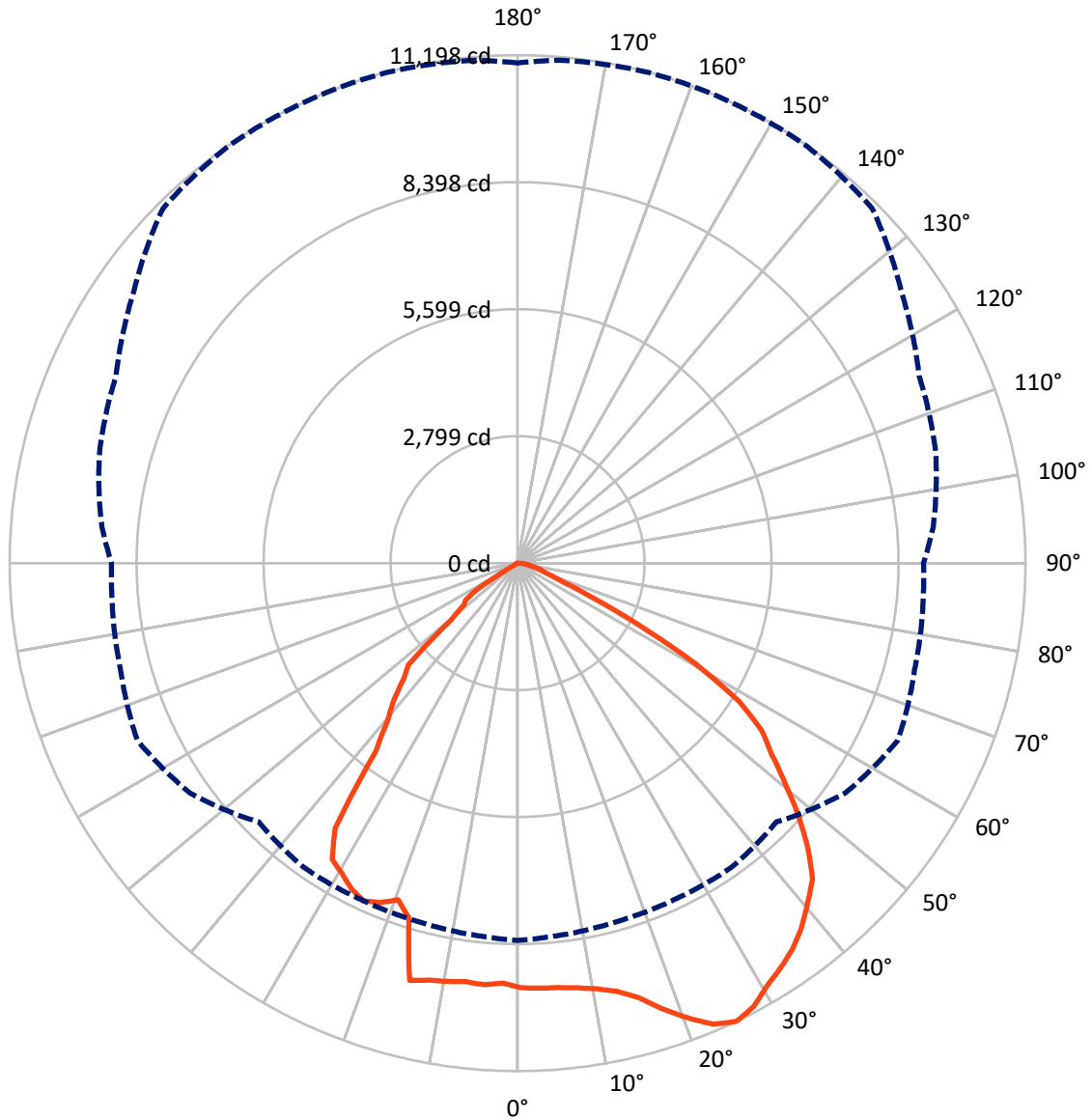
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 23.4 fc
 Type I - Short - N/A

REPORT NUMBER: P636933
CATALOG NUMBER: IFLD-L-SA7C-935-U-LAM-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636933
 CATALOG NUMBER: IFLD-L-SA7C-935-U-LAM-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13431.5	0.0	13431.5
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	8263.6	0.0	8263.6
	% Fixture	38.1	0.0	38.1
Total	Lumens	21695.2	0.0	21695.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	898.1	4.1
10°-20°	2742.2	12.6
20°-30°	4335.3	20.0
30°-40°	4897.1	22.6
40°-50°	4586.2	21.1
50°-60°	3161.9	14.6
60°-70°	849.5	3.9
70°-80°	177.0	0.8
80°-90°	47.9	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°	21695.2	100.0
0°-180°	21695.2	100.0



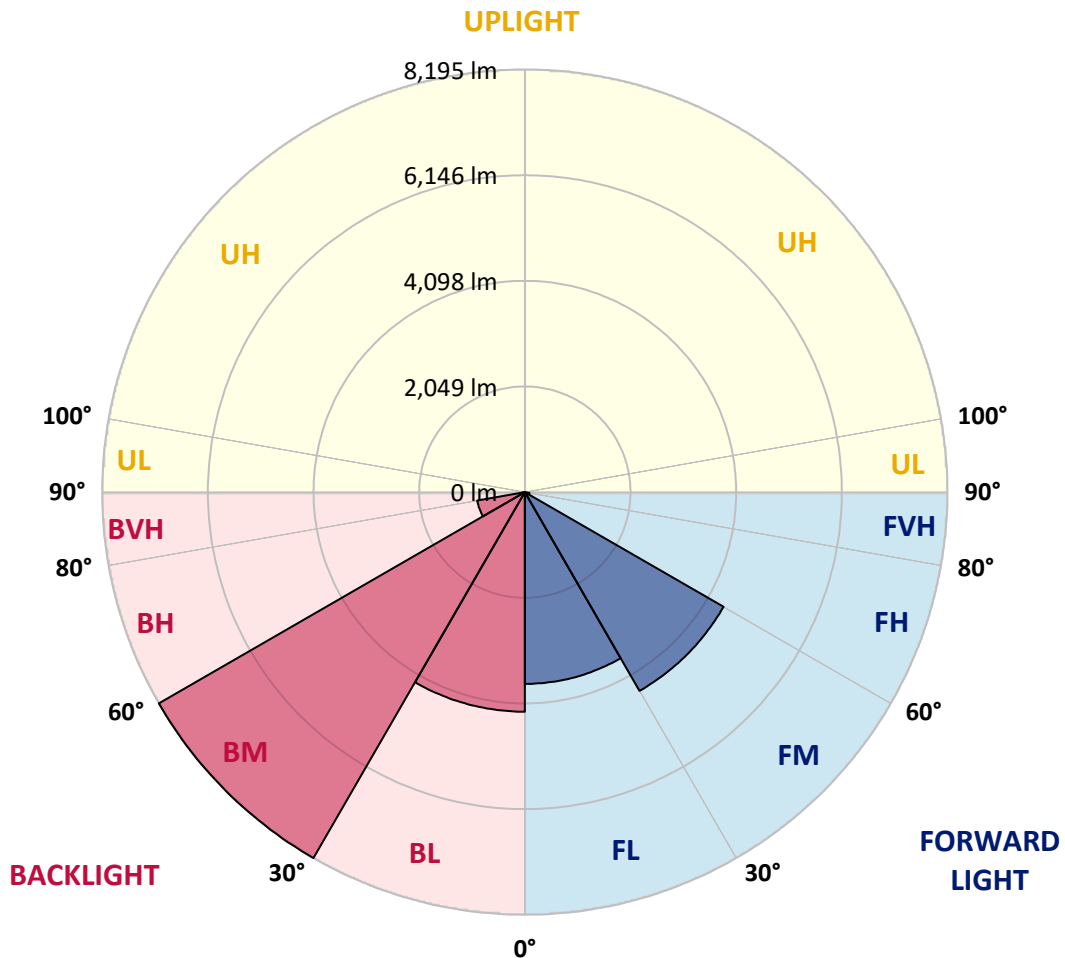
REPORT NUMBER: P636933
 CATALOG NUMBER: IFLD-L-SA7C-935-U-LAM-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3717.9	17.1			
FM (30°-60°)	4450.2	20.5			
FH (60°-80°)	89.2	0.4			G0/660
FVH (80°-90°)	6.4	0.0			G0/10
BL (0°-30°)	4257.7	19.6	B4/5000		
BM (30°-60°)	8195.0	37.8	B4/8500		
BH (60°-80°)	937.3	4.3	B2/1000		G2/1000
BVH (80°-90°)	41.5	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: P636933
 CATALOG NUMBER: IFLD-L-SA7C-935-U-LAM-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9361.1	9361.1	9361.1	9361.1	9361.1	9361.1	9361.1	9361.1	9361.1	9361.1
2.5°	9402.5	9342.0	9284.6	9265.4	9345.1	9431.2	9377.0	9380.2	9361.1	9396.2
5°	9472.7	9389.8	9351.5	9322.8	9335.6	9424.9	9348.3	9377.0	9345.1	9386.6
7.5°	9447.2	9389.8	9351.5	9297.3	9338.8	9444.0	9370.6	9373.8	9357.9	9396.2
10°	9431.2	9389.8	9342.0	9348.3	9396.2	9485.4	9428.0	9459.9	9437.6	9459.9
12.5°	9469.5	9424.9	9399.3	9399.3	9440.8	9542.8	9514.1	9542.8	9533.3	9552.4
15°	9109.2	9150.7	9393.0	9501.4	9584.3	9686.3	9673.5	9702.2	9708.6	9737.3
17.5°	7684.0	7642.5	7623.4	8181.4	9664.0	9979.6	9970.1	9966.9	9935.0	9912.7
20°	7872.1	7856.2	7833.8	7875.3	8041.1	10132.7	10196.4	9804.3	9689.5	9679.9
22.5°	8171.8	8146.3	8063.4	8066.6	8117.6	8809.5	9880.8	9523.7	9485.4	9463.1
25°	8318.5	8267.5	8200.5	8181.4	8197.3	8069.8	8825.4	9249.5	9061.4	8975.3
27.5°	8060.2	8063.4	8009.2	8060.2	7999.6	7425.7	7103.7	8713.8	8707.5	8669.2
30°	7865.7	7856.2	7792.4	7856.2	7438.5	6797.6	6660.5	8127.2	8060.2	8009.2
32.5°	7269.5	7275.9	7460.8	7709.5	7024.0	6517.0	6102.6	7259.9	7894.4	7865.7
35°	5200.2	5213.0	5869.8	7097.3	6395.9	5959.1	5927.2	6274.7	7633.0	7645.7
37.5°	5005.8	5005.8	4989.8	5190.7	5901.7	5732.7	5796.5	5761.4	6992.1	7024.0
40°	4865.5	4836.8	4814.5	4498.8	4103.4	5573.3	5617.9	5458.5	6609.5	6615.9
42.5°	4696.5	4664.6	4671.0	4087.5	3673.0	5177.9	5053.6	4840.0	5971.8	5978.2
45°	4387.2	4441.4	4479.7	3577.4	3545.5	3698.5	4661.4	4527.5	5541.4	5659.4
47.5°	2231.9	2279.7	3497.7	3290.4	3363.7	3287.2	3937.6	3940.8	4610.4	5002.6
50°	2024.6	2011.9	2015.1	1919.4	3105.5	2659.1	2847.2	3612.4	3692.1	4253.3
52.5°	1887.5	1884.3	1689.8	1501.7	1951.3	2340.3	2066.1	2614.5	2745.2	3602.9
55°	1396.5	1498.5	1332.7	1412.5	1221.1	1874.8	1865.2	2359.4	2404.0	2888.7
57.5°	12.8	15.9	38.3	1074.5	844.9	937.4	1288.1	1610.1	1689.8	2251.0
60°	3.2	6.4	15.9	31.9	548.4	577.1	860.9	931.0	1049.0	1342.3
62.5°	0.0	0.0	6.4	15.9	28.7	235.9	274.2	299.7	462.3	685.5
65°	0.0	0.0	3.2	9.6	15.9	38.3	67.0	140.3	200.9	248.7
67.5°	0.0	0.0	3.2	6.4	12.8	19.1	38.3	54.2	86.1	146.7
70°	0.0	0.0	3.2	6.4	9.6	15.9	25.5	38.3	51.0	73.3
72.5°	0.0	0.0	3.2	6.4	6.4	19.1	19.1	28.7	38.3	47.8
75°	0.0	0.0	3.2	3.2	6.4	12.8	19.1	22.3	25.5	38.3
77.5°	0.0	0.0	3.2	6.4	9.6	12.8	15.9	25.5	22.3	22.3
80°	0.0	0.0	3.2	9.6	9.6	15.9	19.1	25.5	15.9	15.9
82.5°	0.0	0.0	3.2	12.8	9.6	31.9	31.9	35.1	12.8	12.8
85°	0.0	0.0	9.6	6.4	19.1	31.9	28.7	19.1	15.9	9.6
87.5°	0.0	0.0	3.2	3.2	6.4	9.6	22.3	19.1	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636933

CATALOG NUMBER: IFLD-L-SA7C-935-U-LAM-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
9361.1	0°	9361.1	9361.1	9361.1	9361.1	9361.1	9361.1	9361.1	9361.1	9361.1
9303.7	2.5°	9431.2	9389.8	9475.9	9466.3	9424.9	9405.7	9383.4	9364.3	9224.0
9310.1	5°	9434.4	9370.6	9475.9	9456.7	9450.4	9418.5	9399.3	9428.0	9300.5
9335.6	7.5°	9434.4	9370.6	9485.4	9491.8	9482.2	9456.7	9453.5	9472.7	9367.5
9380.2	10°	9498.2	9472.7	9568.3	9577.9	9565.1	9558.8	9542.8	9530.1	9418.5
9533.3	12.5°	9632.1	9581.1	9689.5	9718.2	9708.6	9724.6	9686.3	9705.4	9590.6
9689.5	15°	9794.7	9797.9	9880.8	9944.6	9938.2	9989.2	9931.8	9982.8	9899.9
9868.0	17.5°	10043.4	10078.5	10196.4	10292.1	10327.2	10365.4	10327.2	10343.1	10225.1
9670.4	20°	9781.9	9912.7	10480.2	10655.6	10728.9	10764.0	10700.2	10719.3	10601.4
9428.0	22.5°	9546.0	9715.0	10218.8	10767.2	10993.5	11063.7	11041.4	11038.2	10993.5
8949.8	25°	9198.5	9539.6	9766.0	10346.3	11057.3	11184.8	11197.6	11194.4	11127.4
8656.5	27.5°	8771.2	8847.8	9434.4	9788.3	10610.9	11095.6	11076.4	10984.0	10894.7
8047.5	30°	8226.0	8573.6	8838.2	9402.5	10033.8	10821.4	10821.4	10751.2	10658.8
7830.7	32.5°	7948.6	8398.2	8643.7	8847.8	9386.6	10515.3	10642.8	10569.5	10496.1
7661.7	35°	7802.0	7868.9	8442.8	8627.8	9083.7	9925.4	10441.9	10368.6	10314.4
7212.1	37.5°	7479.9	7636.2	7904.0	8398.2	8538.5	9444.0	10174.1	10135.9	10072.1
6628.6	40°	6762.6	7180.2	7591.5	8060.2	8206.9	8825.4	9848.9	9864.8	9778.8
6006.9	42.5°	6338.5	6622.3	7266.3	7582.0	7977.3	8426.9	9533.3	9558.8	9498.2
5691.3	45°	5841.1	6156.8	6609.5	7183.4	7722.3	7878.5	8975.3	9243.1	9192.1
5063.1	47.5°	5385.2	5640.2	6195.0	6775.3	7371.5	7349.2	8334.4	8838.2	8768.0
4581.7	50°	4737.9	5184.3	5445.8	5978.2	6867.8	6928.3	7652.1	8363.1	8305.7
3893.0	52.5°	3995.0	4556.2	5056.8	5544.6	6357.6	6501.1	7017.6	7878.5	7840.2
2974.8	55°	3491.3	3899.4	4463.7	4855.9	5739.1	6121.7	6542.6	7416.2	7397.0
2445.5	57.5°	2483.7	3271.3	3736.8	4285.2	4750.7	5442.6	5755.0	6475.6	6297.1
1355.1	60°	1683.5	2053.3	2620.8	3210.7	3523.2	4215.0	4505.2	5082.3	5034.5
809.8	62.5°	889.6	1230.7	1635.6	1932.2	2158.5	2831.3	2952.4	3574.2	3558.2
325.2	65°	392.2	519.7	886.4	1039.4	1272.2	1584.6	1689.8	1913.0	1858.8
159.4	67.5°	204.1	309.3	500.6	615.4	774.8	892.7	978.8	1049.0	1093.6
105.2	70°	124.3	226.4	309.3	427.2	532.5	628.1	695.1	790.7	848.1
54.2	72.5°	92.5	143.5	213.6	328.4	385.8	497.4	564.3	634.5	685.5
44.6	75°	51.0	95.7	172.2	258.3	309.3	404.9	465.5	513.3	529.3
25.5	77.5°	31.9	73.3	143.5	200.9	242.3	328.4	312.5	357.1	395.4
19.1	80°	22.3	54.2	111.6	165.8	169.0	210.4	248.7	287.0	312.5
12.8	82.5°	15.9	44.6	82.9	127.5	111.6	162.6	194.5	223.2	162.6
9.6	85°	12.8	31.9	41.4	76.5	63.8	114.8	98.8	95.7	63.8
6.4	87.5°	9.6	15.9	28.7	35.1	25.5	25.5	31.9	38.3	31.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
9361.1
9128.3
9192.1
9246.3
9326.0
9488.6
9762.8
10123.1
10518.5
10850.1
11025.4
10824.5
10623.7
10435.6
10237.9
10008.3
9759.6
9491.8
9198.5
8819.1
8315.3
7865.7
7419.4
6277.9
5037.6
3561.4
1836.5
1093.6
851.3
695.1
519.7
401.7
315.6
118.0
63.8
31.9
0.0

(END OF REPORT)