

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: P636910

Luminaire Tested: **IFLD-L-SA8D-930-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636910
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-930-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26296.4 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

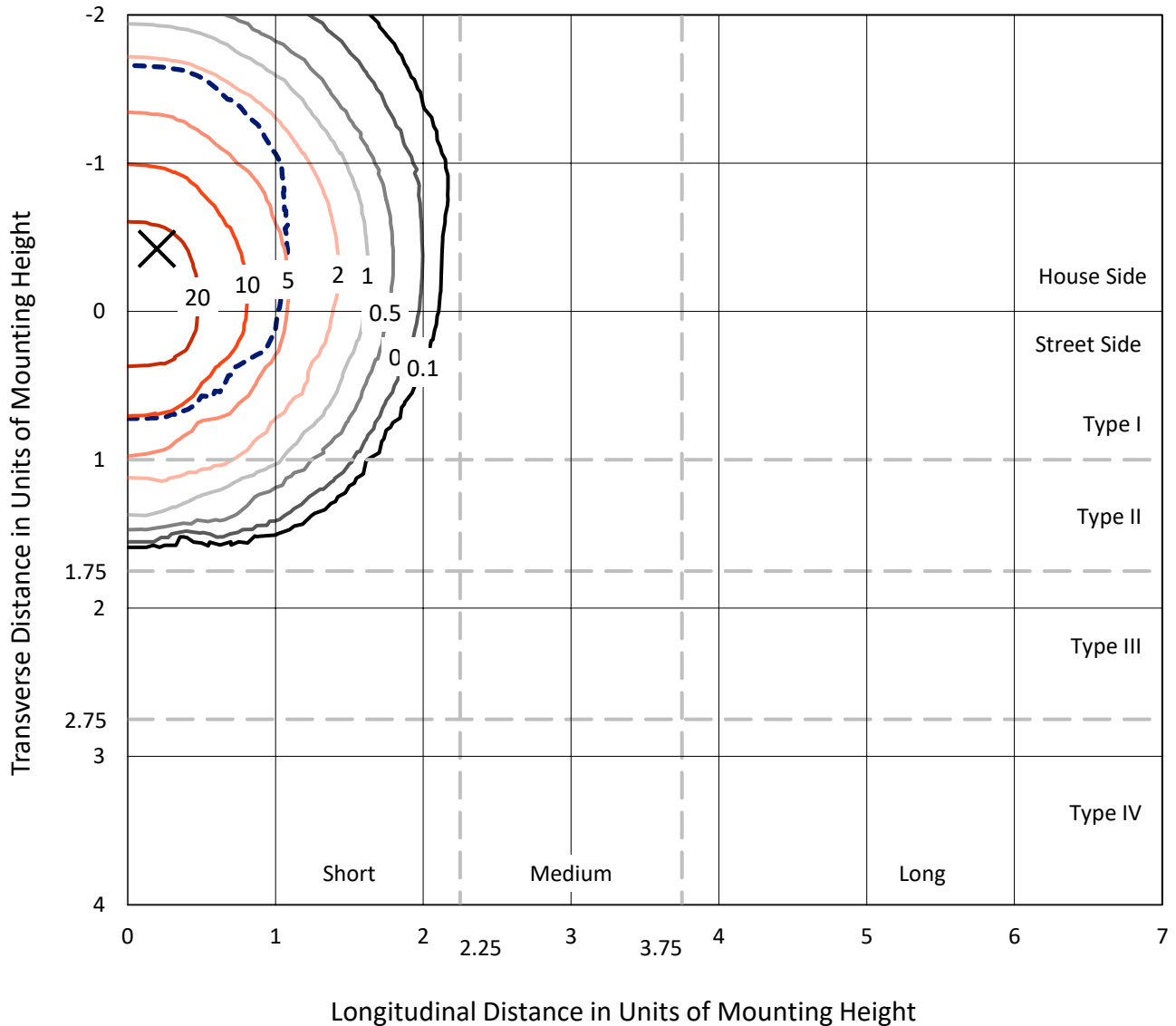
Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636910
 CATALOG NUMBER: IFLD-L-SA8D-930-U-LAM-VI

Iso-Footcandle Lines of Horizontal Illumination

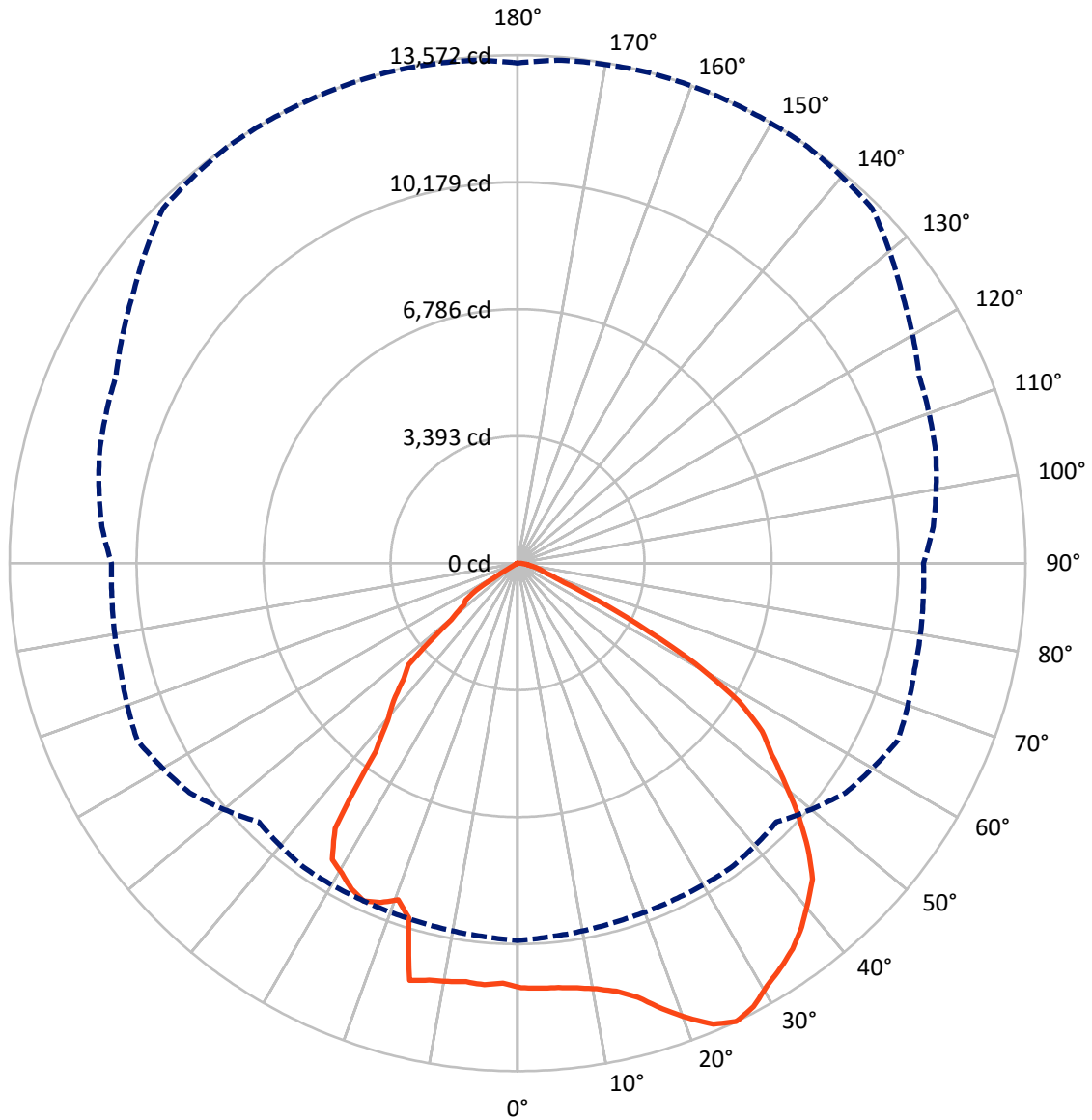
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 28.4 fc
 Type I - Short - N/A

REPORT NUMBER: P636910
CATALOG NUMBER: IFLD-L-SA8D-930-U-LAM-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636910
 CATALOG NUMBER: IFLD-L-SA8D-930-U-LAM-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16280.1	0.0	16280.1
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	10016.2	0.0	10016.2
	% Fixture	38.1	0.0	38.1
Total	Lumens	26296.4	0.0	26296.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1088.5	4.1
10°-20°	3323.8	12.6
20°-30°	5254.7	20.0
30°-40°	5935.7	22.6
40°-50°	5558.9	21.1
50°-60°	3832.5	14.6
60°-70°	1029.7	3.9
70°-80°	214.6	0.8
80°-90°	58.0	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°	26296.4	100.0
0°-180°	26296.4	100.0



REPORT NUMBER: P636910

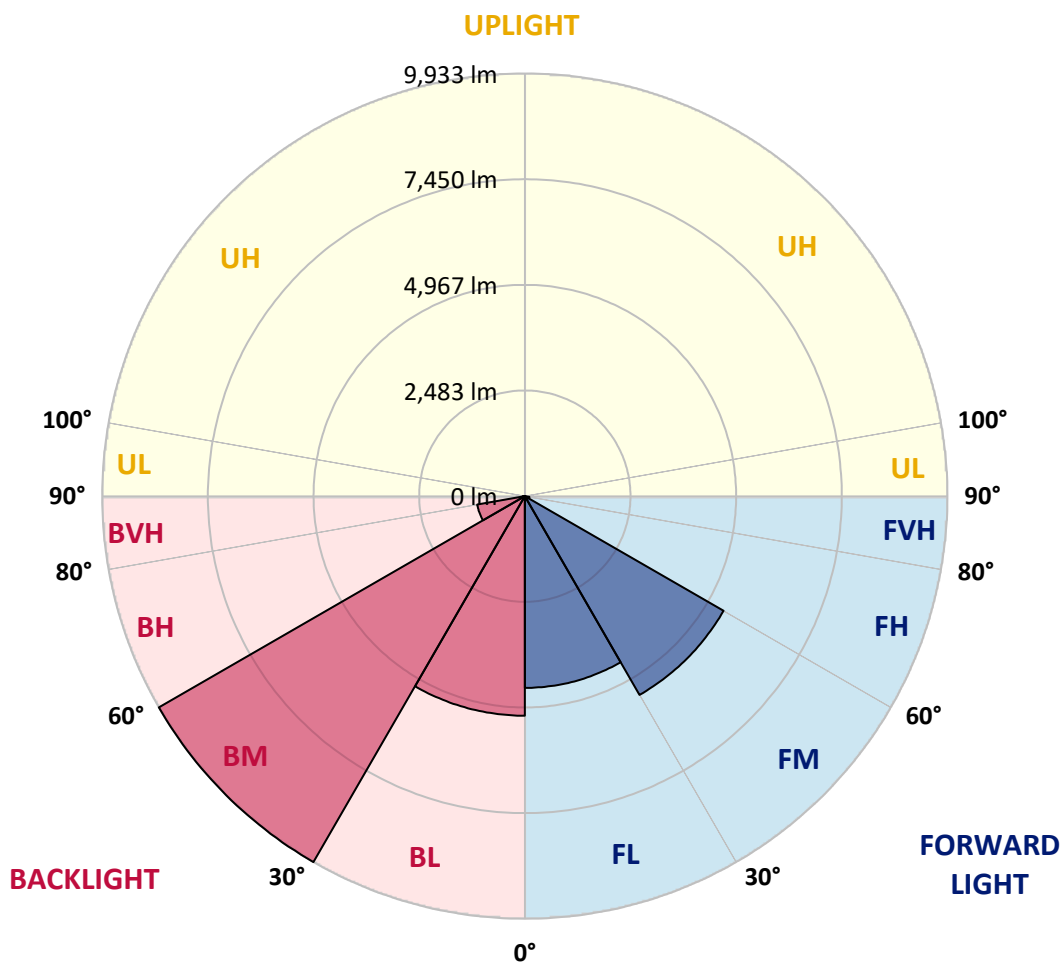
CATALOG NUMBER: IFLD-L-SA8D-930-U-LAM-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4506.4	17.1			
FM (30°-60°)	5394.0	20.5			
FH (60°-80°)	108.1	0.4			G0/660
FVH (80°-90°)	7.8	0.0			G0/10
BL (0°-30°)	5160.7	19.6	B5		
BM (30°-60°)	9933.0	37.8	B5		
BH (60°-80°)	1136.1	4.3	B3/2500		G3/2500
BVH (80°-90°)	50.3	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





REPORT NUMBER: P636910
 CATALOG NUMBER: IFLD-L-SA8D-930-U-LAM-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11346.4	11346.4	11346.4	11346.4	11346.4	11346.4	11346.4	11346.4	11346.4	11346.4
2.5°	11396.6	11323.2	11253.7	11230.5	11327.1	11431.4	11365.7	11369.6	11346.4	11388.9
5°	11481.7	11381.2	11334.8	11300.0	11315.5	11423.7	11331.0	11365.7	11327.1	11377.3
7.5°	11450.8	11381.2	11334.8	11269.1	11319.4	11446.9	11358.0	11361.9	11342.5	11388.9
10°	11431.4	11381.2	11323.2	11331.0	11388.9	11497.1	11427.6	11466.2	11439.2	11466.2
12.5°	11477.8	11423.7	11392.8	11392.8	11443.0	11566.7	11531.9	11566.7	11555.1	11578.3
15°	11041.1	11091.3	11385.1	11516.5	11616.9	11740.6	11725.1	11759.9	11767.6	11802.4
17.5°	9313.6	9263.4	9240.2	9916.5	11713.5	12096.1	12084.5	12080.7	12042.0	12015.0
20°	9541.7	9522.3	9495.3	9545.5	9746.5	12281.6	12358.9	11883.6	11744.5	11732.9
22.5°	9904.9	9874.0	9773.5	9777.4	9839.2	10677.8	11976.3	11543.5	11497.1	11470.1
25°	10082.7	10020.9	9939.7	9916.5	9935.8	9781.3	10697.2	11211.1	10983.1	10878.8
27.5°	9769.7	9773.5	9707.8	9769.7	9696.2	9000.6	8610.3	10561.9	10554.2	10507.8
30°	9533.9	9522.3	9445.0	9522.3	9016.1	8239.3	8073.1	9850.8	9769.7	9707.8
32.5°	8811.2	8819.0	9043.1	9344.6	8513.7	7899.2	7396.8	8799.7	9568.7	9533.9
35°	6303.1	6318.6	7114.7	8602.6	7752.3	7222.9	7184.3	7605.5	9251.8	9267.3
37.5°	6067.4	6067.4	6048.1	6291.5	7153.3	6948.5	7025.8	6983.3	8475.0	8513.7
40°	5897.4	5862.6	5835.5	5452.9	4973.7	6755.3	6809.4	6616.2	8011.3	8019.0
42.5°	5692.5	5653.9	5661.6	4954.4	4452.0	6276.1	6125.4	5866.4	7238.4	7246.1
45°	5317.7	5383.4	5429.7	4336.1	4297.4	4482.9	5650.0	5487.7	6716.6	6859.6
47.5°	2705.2	2763.2	4239.4	3988.2	4077.1	3984.4	4772.8	4776.6	5588.2	6063.5
50°	2454.0	2438.6	2442.4	2326.5	3764.1	3223.1	3451.1	4378.6	4475.2	5155.4
52.5°	2287.8	2284.0	2048.2	1820.2	2365.1	2836.6	2504.2	3169.0	3327.4	4367.0
55°	1692.7	1816.4	1615.4	1712.0	1480.1	2272.4	2260.8	2859.8	2913.9	3501.3
57.5°	15.5	19.3	46.4	1302.4	1024.1	1136.2	1561.3	1951.6	2048.2	2728.4
60°	3.9	7.7	19.3	38.6	664.7	699.5	1043.4	1128.5	1271.4	1627.0
62.5°	0.0	0.0	7.7	19.3	34.8	286.0	332.4	363.3	560.4	830.9
65°	0.0	0.0	3.9	11.6	19.3	46.4	81.2	170.0	243.5	301.4
67.5°	0.0	0.0	3.9	7.7	15.5	23.2	46.4	65.7	104.3	177.8
70°	0.0	0.0	3.9	7.7	11.6	19.3	30.9	46.4	61.8	88.9
72.5°	0.0	0.0	3.9	7.7	7.7	23.2	23.2	34.8	46.4	58.0
75°	0.0	0.0	3.9	3.9	7.7	15.5	23.2	27.1	30.9	46.4
77.5°	0.0	0.0	3.9	7.7	11.6	15.5	19.3	30.9	27.1	27.1
80°	0.0	0.0	3.9	11.6	11.6	19.3	23.2	30.9	19.3	19.3
82.5°	0.0	0.0	3.9	15.5	11.6	38.6	38.6	42.5	15.5	15.5
85°	0.0	0.0	11.6	7.7	23.2	38.6	34.8	23.2	19.3	11.6
87.5°	0.0	0.0	3.9	3.9	7.7	11.6	27.1	23.2	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636910

CATALOG NUMBER: IFLD-L-SA8D-930-U-LAM-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
11346.4	0°	11346.4	11346.4	11346.4	11346.4	11346.4	11346.4	11346.4	11346.4	11346.4
11276.8	2.5°	11431.4	11381.2	11485.5	11473.9	11423.7	11400.5	11373.5	11350.3	11180.2
11284.6	5°	11435.3	11358.0	11485.5	11462.3	11454.6	11416.0	11392.8	11427.6	11273.0
11315.5	7.5°	11435.3	11358.0	11497.1	11504.9	11493.3	11462.3	11458.5	11481.7	11354.1
11369.6	10°	11512.6	11481.7	11597.6	11609.2	11593.7	11586.0	11566.7	11551.2	11416.0
11555.1	12.5°	11674.9	11613.1	11744.5	11779.2	11767.6	11787.0	11740.6	11763.8	11624.7
11744.5	15°	11872.0	11875.9	11976.3	12053.6	12045.9	12107.7	12038.2	12100.0	11999.5
11960.9	17.5°	12173.4	12215.9	12358.9	12474.9	12517.4	12563.8	12517.4	12536.7	12393.7
11721.3	20°	11856.5	12015.0	12702.9	12915.4	13004.3	13046.8	12969.5	12992.7	12849.7
11427.6	22.5°	11570.6	11775.4	12386.0	13050.7	13325.1	13410.1	13383.0	13379.2	13325.1
10847.9	25°	11149.3	11562.8	11837.2	12540.6	13402.4	13556.9	13572.4	13568.5	13487.4
10492.3	27.5°	10631.5	10724.2	11435.3	11864.3	12861.3	13448.7	13425.6	13313.5	13205.3
9754.2	30°	9970.6	10391.9	10712.6	11396.6	12161.8	13116.4	13116.4	13031.4	12919.3
9491.4	32.5°	9634.4	10179.3	10476.9	10724.2	11377.3	12745.4	12900.0	12811.1	12722.2
9286.6	35°	9456.6	9537.8	10233.4	10457.6	11010.2	12030.4	12656.5	12567.6	12501.9
8741.7	37.5°	9066.3	9255.7	9580.3	10179.3	10349.3	11446.9	12331.9	12285.5	12208.2
8034.5	40°	8196.8	8703.0	9201.6	9769.7	9947.4	10697.2	11937.7	11957.0	11852.7
7280.9	42.5°	7682.8	8026.7	8807.4	9190.0	9669.2	10214.1	11555.1	11586.0	11512.6
6898.3	45°	7079.9	7462.5	8011.3	8706.9	9360.0	9549.4	10878.8	11203.4	11141.6
6137.0	47.5°	6527.3	6836.4	7508.9	8212.2	8934.9	8907.9	10102.0	10712.6	10627.6
5553.4	50°	5742.8	6283.8	6600.7	7246.1	8324.3	8397.7	9275.0	10136.8	10067.2
4718.7	52.5°	4842.3	5522.5	6129.2	6720.5	7706.0	7879.9	8505.9	9549.4	9503.0
3605.7	55°	4231.7	4726.4	5410.4	5885.8	6956.2	7420.0	7930.1	8989.0	8965.8
2964.1	57.5°	3010.5	3965.1	4529.3	5194.0	5758.2	6596.8	6975.6	7849.0	7632.5
1642.4	60°	2040.5	2488.8	3176.7	3891.6	4270.4	5109.0	5460.7	6160.1	6102.2
981.6	62.5°	1078.2	1491.7	1982.5	2341.9	2616.3	3431.7	3578.6	4332.2	4312.9
394.2	65°	475.3	629.9	1074.4	1259.9	1542.0	1920.7	2048.2	2318.7	2253.1
193.2	67.5°	247.3	374.9	606.7	745.9	939.1	1082.1	1186.4	1271.4	1325.6
127.5	70°	150.7	274.4	374.9	517.9	645.4	761.3	842.5	958.4	1028.0
65.7	72.5°	112.1	173.9	258.9	398.1	467.6	602.9	684.0	769.1	830.9
54.1	75°	61.8	115.9	208.7	313.0	374.9	490.8	564.2	622.2	641.5
30.9	77.5°	38.6	88.9	173.9	243.5	293.7	398.1	378.7	432.8	479.2
23.2	80°	27.1	65.7	135.3	201.0	204.8	255.1	301.4	347.8	378.7
15.5	82.5°	19.3	54.1	100.5	154.6	135.3	197.1	235.7	270.5	197.1
11.6	85°	15.5	38.6	50.2	92.7	77.3	139.1	119.8	115.9	77.3
7.7	87.5°	11.6	19.3	34.8	42.5	30.9	30.9	38.6	46.4	38.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
11346.4
11064.3
11141.6
11207.3
11303.9
11501.0
11833.3
12270.0
12749.3
13151.2
13363.7
13120.3
12876.8
12648.8
12409.2
12130.9
11829.5
11504.9
11149.3
10689.4
10078.8
9533.9
8992.9
7609.4
6106.0
4316.7
2226.0
1325.6
1031.8
842.5
629.9
486.9
382.6
143.0
77.3
38.6
0.0

(END OF REPORT)