

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: P636922

Luminaire Tested: **IFLD-S-SA6B-935-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636922
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-935-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16335.7 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

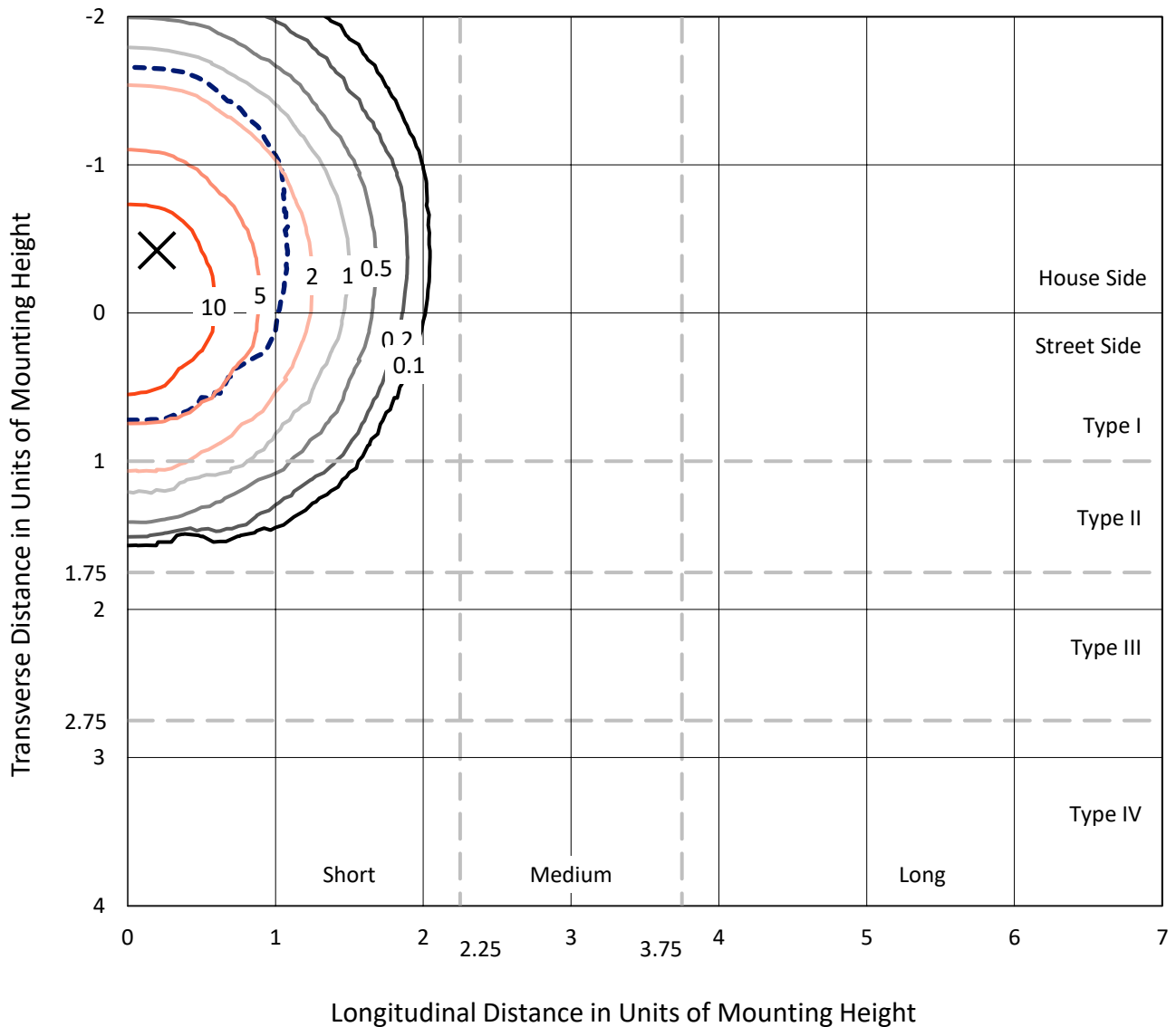
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

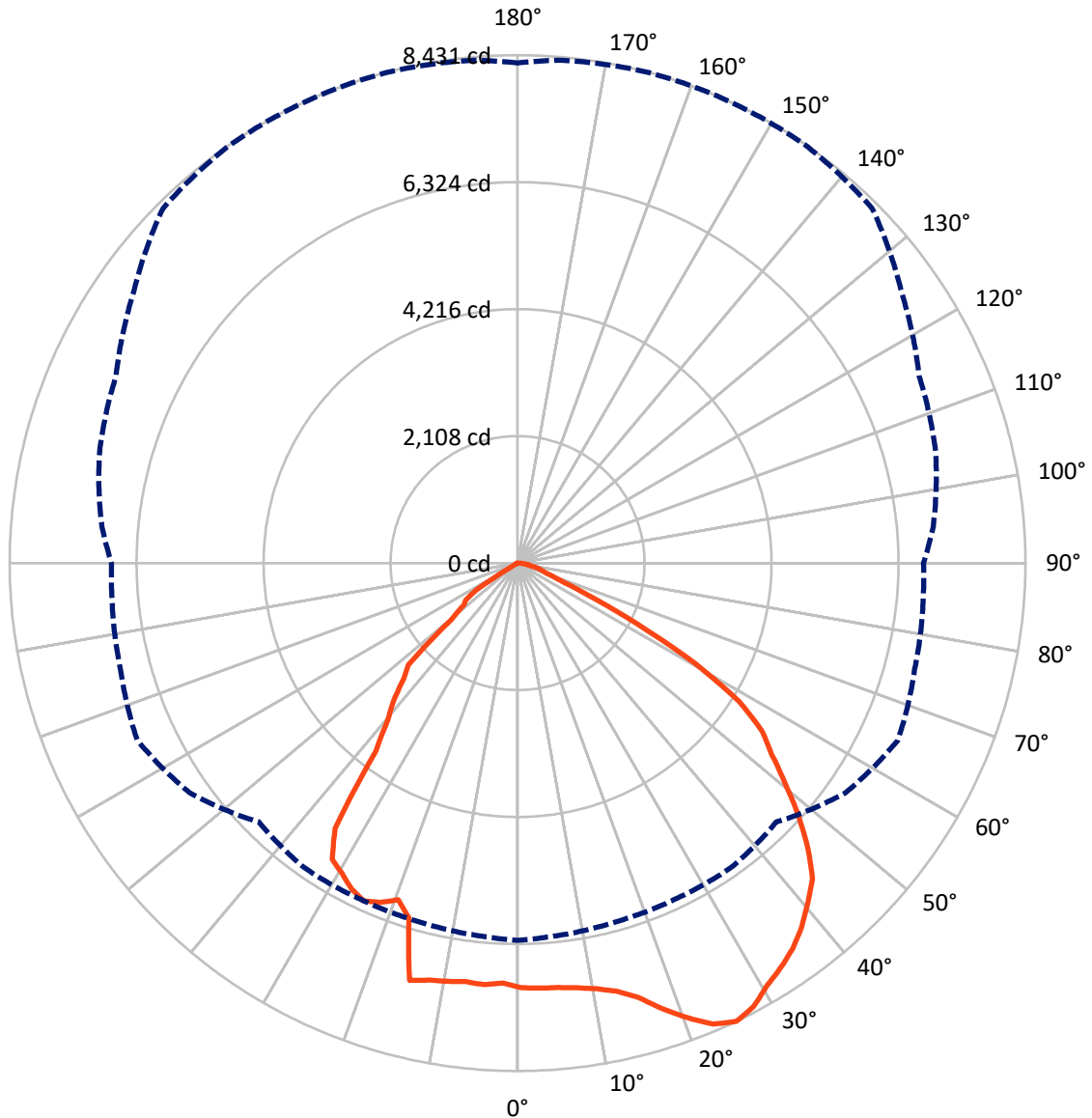
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 17.6 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	10113.5	0.0	10113.5
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	6222.2	0.0	6222.2
	% Fixture	38.1	0.0	38.1
Total	Lumens	16335.7	0.0	16335.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.2	4.1
10°-20°	2064.8	12.6
20°-30°	3264.3	20.0
30°-40°	3687.3	22.6
40°-50°	3453.3	21.1
50°-60°	2380.8	14.6
60°-70°	639.6	3.9
70°-80°	133.3	0.8
80°-90°	36.1	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°	16335.7	100.0
0°-180°	16335.7	100.0



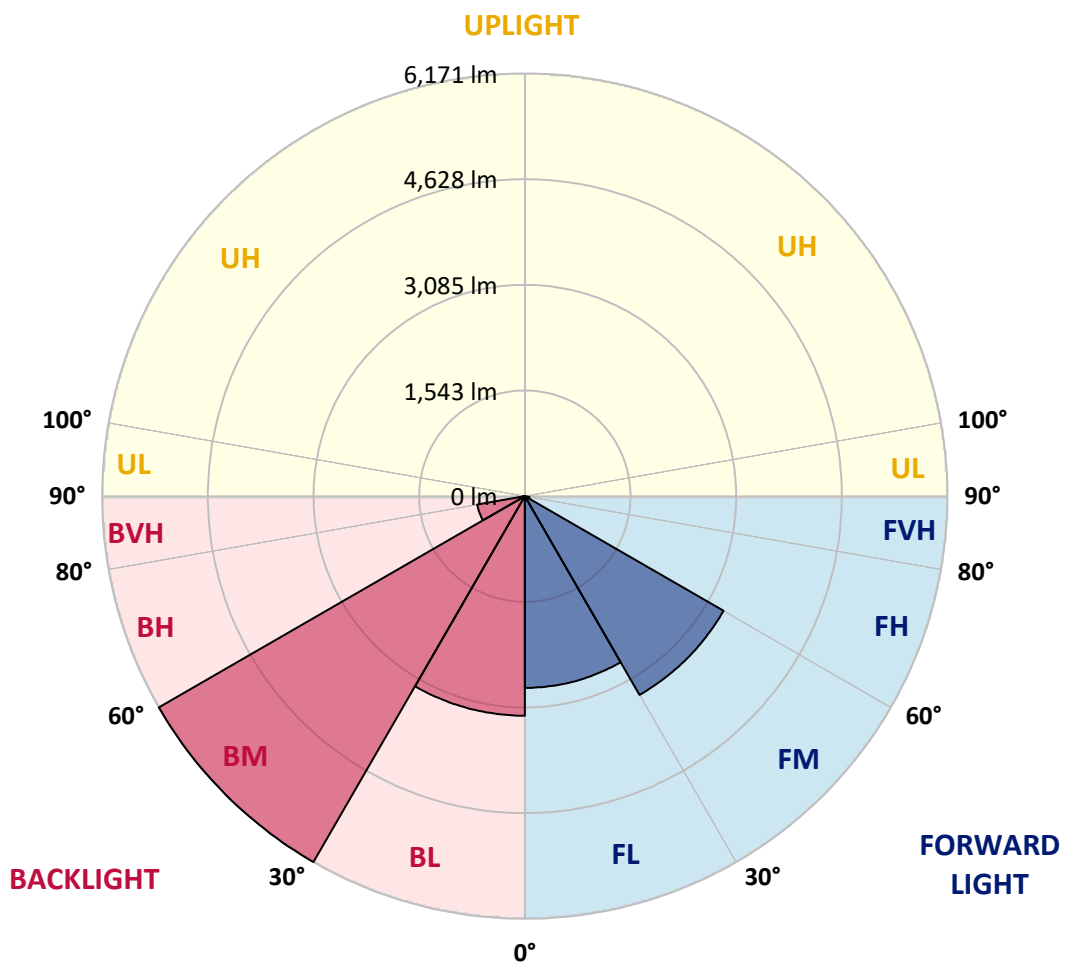
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2799.4	17.1			
FM (30°-60°)	3350.8	20.5			
FH (60°-80°)	67.1	0.4			G0/660
FVH (80°-90°)	4.8	0.0			G0/10
BL (0°-30°)	3205.9	19.6	B4/5000		
BM (30°-60°)	6170.6	37.8	B4/8500		
BH (60°-80°)	705.8	4.3	B2/1000		G2/1000
BVH (80°-90°)	31.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7048.6	7048.6	7048.6	7048.6	7048.6	7048.6	7048.6	7048.6	7048.6	7048.6
2.5°	7079.8	7034.2	6991.0	6976.6	7036.6	7101.4	7060.6	7063.0	7048.6	7075.0
5°	7132.6	7070.2	7041.4	7019.8	7029.4	7096.6	7039.0	7060.6	7036.6	7067.8
7.5°	7113.4	7070.2	7041.4	7000.6	7031.8	7111.0	7055.8	7058.2	7046.2	7075.0
10°	7101.4	7070.2	7034.2	7039.0	7075.0	7142.2	7099.0	7123.0	7106.2	7123.0
12.5°	7130.2	7096.6	7077.4	7077.4	7108.6	7185.4	7163.8	7185.4	7178.2	7192.6
15°	6858.9	6890.1	7072.6	7154.2	7216.6	7293.5	7283.9	7305.5	7310.3	7331.9
17.5°	5785.8	5754.6	5740.2	6160.3	7276.7	7514.3	7507.1	7504.7	7480.7	7463.9
20°	5927.4	5915.4	5898.6	5929.8	6054.7	7629.6	7677.6	7382.3	7295.9	7288.7
22.5°	6153.1	6133.9	6071.5	6073.9	6112.3	6633.3	7439.9	7171.0	7142.2	7125.4
25°	6263.5	6225.1	6174.7	6160.3	6172.3	6076.3	6645.3	6964.6	6822.9	6758.1
27.5°	6069.1	6071.5	6030.7	6069.1	6023.5	5591.3	5348.9	6561.2	6556.4	6527.6
30°	5922.6	5915.4	5867.4	5915.4	5600.9	5118.4	5015.2	6119.5	6069.1	6030.7
32.5°	5473.7	5478.5	5617.7	5805.0	5288.8	4907.1	4595.0	5466.5	5944.2	5922.6
35°	3915.6	3925.2	4419.8	5344.1	4815.9	4487.0	4463.0	4724.7	5747.4	5757.0
37.5°	3769.2	3769.2	3757.2	3908.4	4443.8	4316.5	4364.6	4338.1	5264.8	5288.8
40°	3663.5	3641.9	3625.1	3387.5	3089.8	4196.5	4230.1	4110.1	4976.7	4981.5
42.5°	3536.3	3512.3	3517.1	3077.8	2765.7	3898.8	3805.2	3644.3	4496.6	4501.4
45°	3303.4	3344.2	3373.0	2693.6	2669.6	2784.9	3509.9	3409.1	4172.5	4261.3
47.5°	1680.5	1716.5	2633.6	2477.6	2532.8	2475.2	2964.9	2967.3	3471.5	3766.8
50°	1524.5	1514.9	1517.3	1445.2	2338.3	2002.2	2143.9	2720.0	2780.1	3202.6
52.5°	1421.2	1418.8	1272.4	1130.8	1469.3	1762.1	1555.7	1968.6	2067.0	2712.8
55°	1051.5	1128.4	1003.5	1063.5	919.5	1411.6	1404.4	1776.6	1810.2	2175.1
57.5°	9.6	12.0	28.8	809.1	636.2	705.8	969.9	1212.4	1272.4	1694.9
60°	2.4	4.8	12.0	24.0	412.9	434.5	648.2	701.0	789.8	1010.7
62.5°	0.0	0.0	4.8	12.0	21.6	177.7	206.5	225.7	348.1	516.2
65°	0.0	0.0	2.4	7.2	12.0	28.8	50.4	105.6	151.2	187.3
67.5°	0.0	0.0	2.4	4.8	9.6	14.4	28.8	40.8	64.8	110.4
70°	0.0	0.0	2.4	4.8	7.2	12.0	19.2	28.8	38.4	55.2
72.5°	0.0	0.0	2.4	4.8	4.8	14.4	14.4	21.6	28.8	36.0
75°	0.0	0.0	2.4	2.4	4.8	9.6	14.4	16.8	19.2	28.8
77.5°	0.0	0.0	2.4	4.8	7.2	9.6	12.0	19.2	16.8	16.8
80°	0.0	0.0	2.4	7.2	7.2	12.0	14.4	19.2	12.0	12.0
82.5°	0.0	0.0	2.4	9.6	7.2	24.0	24.0	26.4	9.6	9.6
85°	0.0	0.0	7.2	4.8	14.4	24.0	21.6	14.4	12.0	7.2
87.5°	0.0	0.0	2.4	2.4	4.8	7.2	16.8	14.4	4.8	4.8
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°
7048.6	0°	7048.6	7048.6	7048.6	7048.6	7048.6	7048.6	7048.6	7048.6	7048.6
7005.4	2.5°	7101.4	7070.2	7135.0	7127.8	7096.6	7082.2	7065.4	7051.0	6945.4
7010.2	5°	7103.8	7055.8	7135.0	7120.6	7115.8	7091.8	7077.4	7099.0	7003.0
7029.4	7.5°	7103.8	7055.8	7142.2	7147.0	7139.8	7120.6	7118.2	7132.6	7053.4
7063.0	10°	7151.8	7132.6	7204.6	7211.8	7202.2	7197.4	7185.4	7175.8	7091.8
7178.2	12.5°	7252.7	7214.2	7295.9	7317.5	7310.3	7322.3	7293.5	7307.9	7221.4
7295.9	15°	7375.1	7377.5	7439.9	7487.9	7483.1	7521.5	7478.3	7516.7	7454.3
7430.3	17.5°	7562.3	7588.8	7677.6	7749.6	7776.0	7804.8	7776.0	7788.0	7699.2
7281.5	20°	7365.5	7463.9	7891.2	8023.3	8078.5	8104.9	8056.9	8071.3	7982.5
7099.0	22.5°	7187.8	7315.1	7694.4	8107.3	8277.8	8330.6	8313.8	8311.4	8277.8
6738.9	25°	6926.1	7183.0	7353.5	7790.4	8325.8	8421.8	8431.4	8429.0	8378.6
6518.0	27.5°	6604.4	6662.1	7103.8	7370.3	7989.7	8354.6	8340.2	8270.6	8203.3
6059.5	30°	6193.9	6455.6	6654.9	7079.8	7555.1	8148.1	8148.1	8095.3	8025.7
5896.2	32.5°	5985.1	6323.6	6508.4	6662.1	7067.8	7917.7	8013.7	7958.5	7903.3
5769.0	35°	5874.6	5925.0	6357.2	6496.4	6839.7	7473.5	7862.4	7807.2	7766.4
5430.5	37.5°	5632.1	5749.8	5951.4	6323.6	6429.2	7111.0	7660.8	7632.0	7584.0
4991.1	40°	5092.0	5406.5	5716.2	6069.1	6179.5	6645.3	7415.9	7427.9	7363.1
4523.0	42.5°	4772.7	4986.3	5471.3	5709.0	6006.7	6345.2	7178.2	7197.4	7151.8
4285.3	45°	4398.2	4635.8	4976.7	5408.9	5814.6	5932.2	6758.1	6959.8	6921.3
3812.4	47.5°	4054.9	4246.9	4664.6	5101.6	5550.5	5533.7	6275.5	6654.9	6602.0
3449.9	50°	3567.5	3903.6	4100.5	4501.4	5171.2	5216.8	5761.8	6297.2	6253.9
2931.3	52.5°	3008.1	3430.7	3807.6	4174.9	4787.1	4895.1	5284.0	5932.2	5903.4
2239.9	55°	2628.8	2936.1	3361.0	3656.3	4321.3	4609.4	4926.3	5584.1	5569.7
1841.4	57.5°	1870.2	2463.2	2813.7	3226.6	3577.1	4098.1	4333.3	4875.9	4741.5
1020.3	60°	1267.6	1546.1	1973.4	2417.6	2652.8	3173.8	3392.3	3826.8	3790.8
609.8	62.5°	669.8	926.7	1231.6	1454.9	1625.3	2131.9	2223.1	2691.2	2679.2
244.9	65°	295.3	391.3	667.4	782.6	957.9	1193.2	1272.4	1440.4	1399.6
120.0	67.5°	153.6	232.9	376.9	463.3	583.4	672.2	737.0	789.8	823.5
79.2	70°	93.6	170.5	232.9	321.7	400.9	472.9	523.4	595.4	638.6
40.8	72.5°	69.6	108.0	160.8	247.3	290.5	374.5	424.9	477.7	516.2
33.6	75°	38.4	72.0	129.6	194.5	232.9	304.9	350.5	386.5	398.5
19.2	77.5°	24.0	55.2	108.0	151.2	182.5	247.3	235.3	268.9	297.7
14.4	80°	16.8	40.8	84.0	124.8	127.2	158.4	187.3	216.1	235.3
9.6	82.5°	12.0	33.6	62.4	96.0	84.0	122.4	146.4	168.1	122.4
7.2	85°	9.6	24.0	31.2	57.6	48.0	86.4	74.4	72.0	48.0
4.8	87.5°	7.2	12.0	21.6	26.4	19.2	19.2	24.0	28.8	24.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
7048.6
6873.3
6921.3
6962.2
7022.2
7144.6
7351.1
7622.4
7920.1
8169.7
8301.8
8150.5
7999.3
7857.6
7708.8
7535.9
7348.7
7147.0
6926.1
6640.5
6261.1
5922.6
5586.5
4727.1
3793.2
2681.6
1382.8
823.5
641.0
523.4
391.3
302.5
237.7
88.8
48.0
24.0
0.0

(END OF REPORT)