

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: P636925

Luminaire Tested: **IFLD-S-SA6E-935-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636925
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-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: 25895.2 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

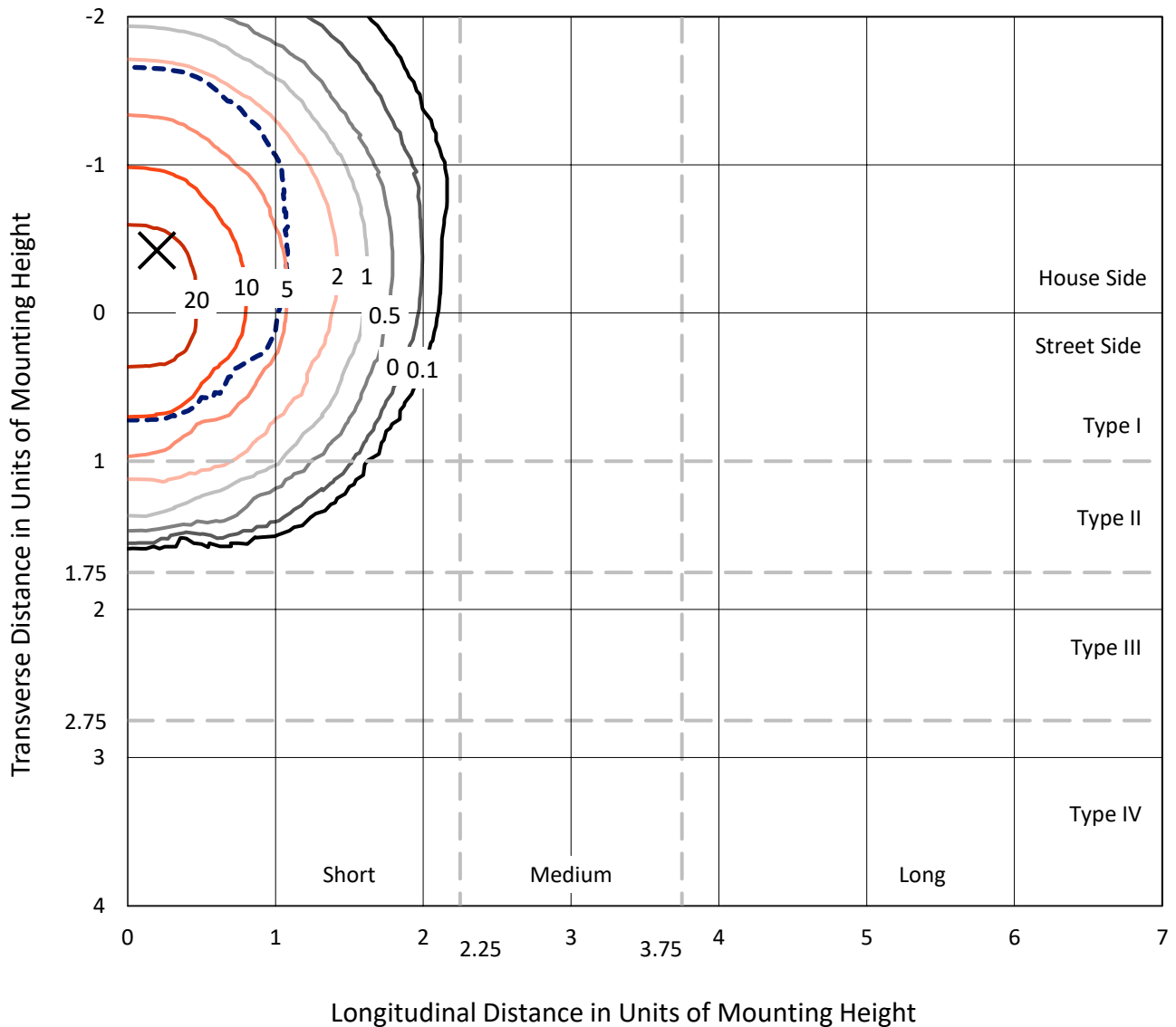
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

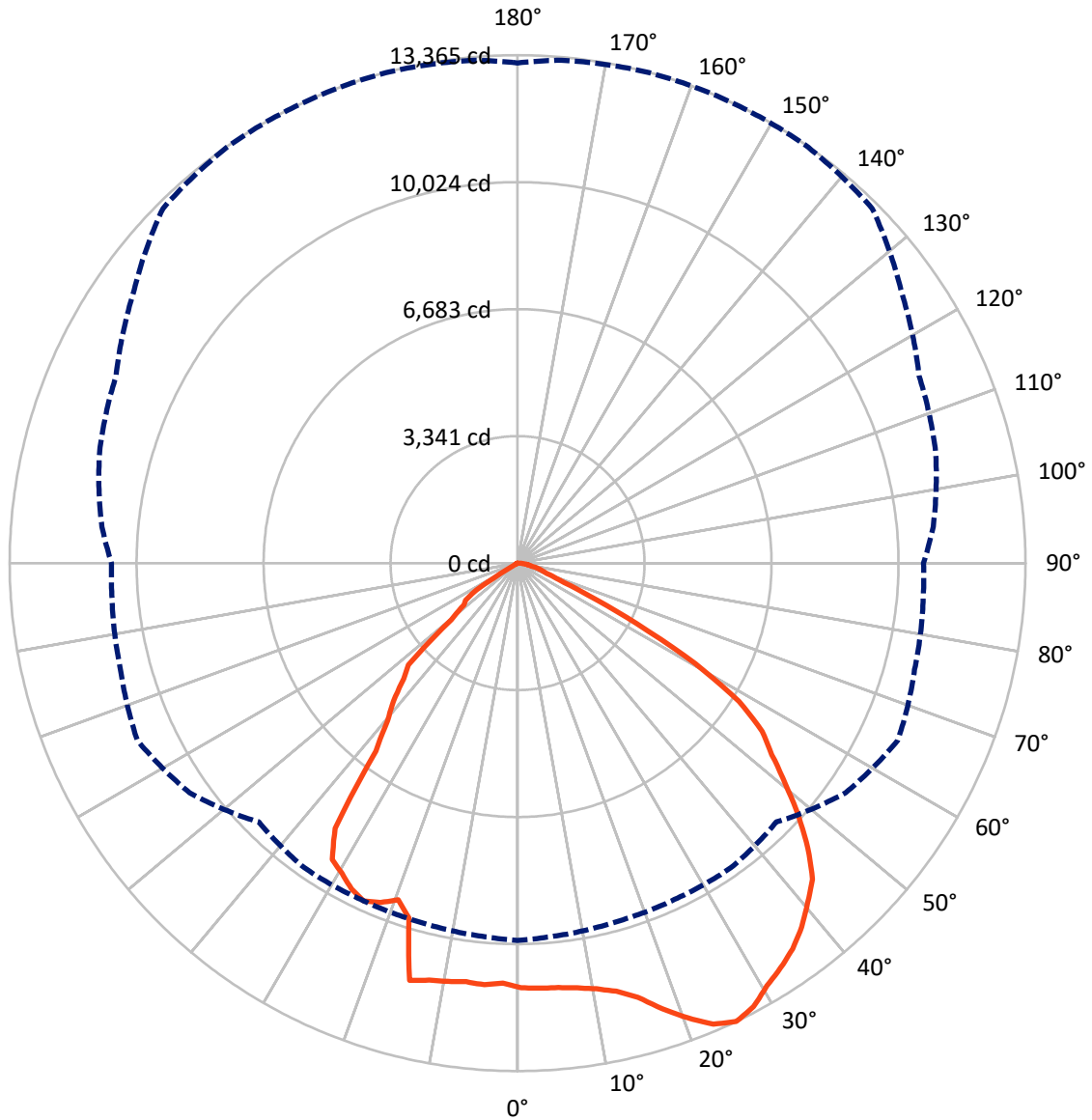
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 27.9 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	16031.8	0.0	16031.8
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	9863.4	0.0	9863.4
	% Fixture	38.1	0.0	38.1
Total	Lumens	25895.2	0.0	25895.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1071.9	4.1
10°-20°	3273.1	12.6
20°-30°	5174.6	20.0
30°-40°	5845.1	22.6
40°-50°	5474.1	21.1
50°-60°	3774.0	14.6
60°-70°	1013.9	3.9
70°-80°	211.3	0.8
80°-90°	57.2	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°	25895.2	100.0
0°-180°	25895.2	100.0



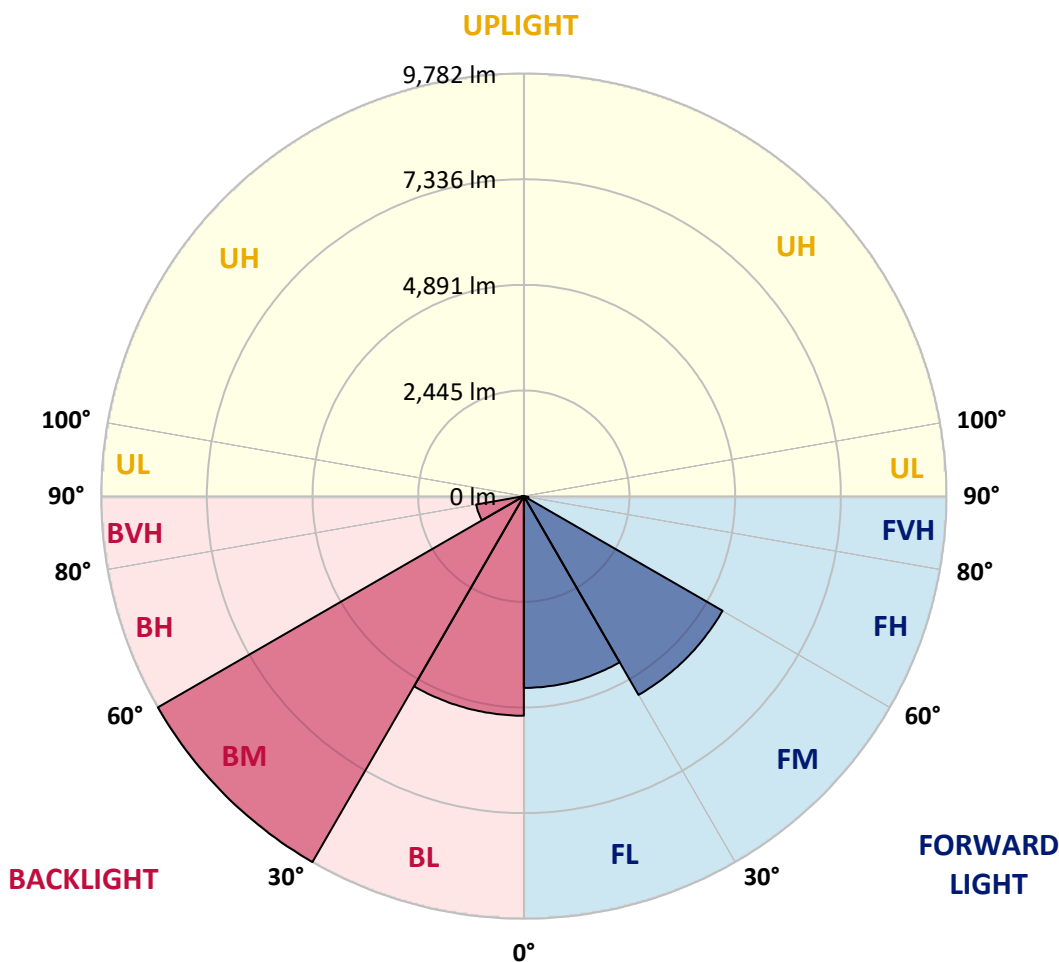
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4437.6	17.1			
FM (30°-60°)	5311.7	20.5			
FH (60°-80°)	106.4	0.4			G0/660
FVH (80°-90°)	7.7	0.0			G0/10
BL (0°-30°)	5082.0	19.6	B5		
BM (30°-60°)	9781.5	37.8	B5		
BH (60°-80°)	1118.8	4.3	B3/2500		G3/2500
BVH (80°-90°)	49.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11173.3	11173.3	11173.3	11173.3	11173.3	11173.3	11173.3	11173.3	11173.3	11173.3
2.5°	11222.8	11150.5	11082.0	11059.1	11154.3	11257.0	11192.3	11196.2	11173.3	11215.2
5°	11306.5	11207.6	11161.9	11127.7	11142.9	11249.4	11158.1	11192.3	11154.3	11203.8
7.5°	11276.1	11207.6	11161.9	11097.2	11146.7	11272.3	11184.7	11188.5	11169.5	11215.2
10°	11257.0	11207.6	11150.5	11158.1	11215.2	11321.7	11253.2	11291.3	11264.7	11291.3
12.5°	11302.7	11249.4	11219.0	11219.0	11268.5	11390.2	11356.0	11390.2	11378.8	11401.7
15°	10872.7	10922.1	11211.4	11340.8	11439.7	11561.5	11546.3	11580.5	11588.1	11622.4
17.5°	9171.6	9122.1	9099.3	9765.2	11534.9	11911.6	11900.2	11896.4	11858.3	11831.7
20°	9396.1	9377.1	9350.4	9399.9	9597.8	12094.3	12170.4	11702.3	11565.3	11553.9
22.5°	9753.8	9723.4	9624.4	9628.2	9689.1	10514.9	11793.6	11367.4	11321.7	11295.1
25°	9928.9	9868.0	9788.1	9765.2	9784.3	9632.0	10534.0	11040.1	10815.6	10712.8
27.5°	9620.6	9624.4	9559.7	9620.6	9548.3	8863.3	8478.9	10400.8	10393.2	10347.5
30°	9388.5	9377.1	9301.0	9377.1	8878.5	8113.6	7950.0	9700.5	9620.6	9559.7
32.5°	8676.8	8684.4	8905.2	9202.0	8383.8	7778.7	7284.0	8665.4	9422.7	9388.5
35°	6207.0	6222.2	7006.2	8471.3	7634.1	7112.7	7074.7	7489.5	9110.7	9125.9
37.5°	5974.8	5974.8	5955.8	6195.6	7044.2	6842.5	6918.6	6876.8	8345.7	8383.8
40°	5807.4	5773.1	5746.5	5369.7	4897.8	6652.2	6705.5	6515.2	7889.1	7896.7
42.5°	5605.7	5567.6	5575.2	4878.8	4384.1	6180.3	6031.9	5776.9	7127.9	7135.5
45°	5236.5	5301.2	5346.9	4269.9	4231.9	4414.5	5563.8	5404.0	6614.2	6755.0
47.5°	2663.9	2721.0	4174.8	3927.4	4014.9	3923.6	4699.9	4703.8	5502.9	5971.0
50°	2416.6	2401.4	2405.2	2291.0	3706.7	3173.9	3398.4	4311.8	4406.9	5076.7
52.5°	2252.9	2249.1	2017.0	1792.4	2329.0	2793.3	2466.0	3120.6	3276.6	4300.4
55°	1666.9	1788.6	1590.8	1685.9	1457.6	2237.7	2226.3	2816.2	2869.4	3447.9
57.5°	15.2	19.0	45.7	1282.5	1008.5	1118.9	1537.5	1921.8	2017.0	2686.8
60°	3.8	7.6	19.0	38.1	654.6	688.8	1027.5	1111.2	1252.1	1602.2
62.5°	0.0	0.0	7.6	19.0	34.3	281.6	327.3	357.7	551.8	818.2
65°	0.0	0.0	3.8	11.4	19.0	45.7	79.9	167.4	239.8	296.8
67.5°	0.0	0.0	3.8	7.6	15.2	22.8	45.7	64.7	102.8	175.1
70°	0.0	0.0	3.8	7.6	11.4	19.0	30.4	45.7	60.9	87.5
72.5°	0.0	0.0	3.8	7.6	7.6	22.8	22.8	34.3	45.7	57.1
75°	0.0	0.0	3.8	3.8	7.6	15.2	22.8	26.6	30.4	45.7
77.5°	0.0	0.0	3.8	7.6	11.4	15.2	19.0	30.4	26.6	26.6
80°	0.0	0.0	3.8	11.4	11.4	19.0	22.8	30.4	19.0	19.0
82.5°	0.0	0.0	3.8	15.2	11.4	38.1	38.1	41.9	15.2	15.2
85°	0.0	0.0	11.4	7.6	22.8	38.1	34.3	22.8	19.0	11.4
87.5°	0.0	0.0	3.8	3.8	7.6	11.4	26.6	22.8	7.6	7.6
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°
11173.3	0°	11173.3	11173.3	11173.3	11173.3	11173.3	11173.3	11173.3	11173.3	11173.3
11104.8	2.5°	11257.0	11207.6	11310.3	11298.9	11249.4	11226.6	11200.0	11177.1	11009.7
11112.4	5°	11260.8	11184.7	11310.3	11287.5	11279.9	11241.8	11219.0	11253.2	11101.0
11142.9	7.5°	11260.8	11184.7	11321.7	11329.3	11317.9	11287.5	11283.7	11306.5	11180.9
11196.2	10°	11337.0	11306.5	11420.7	11432.1	11416.9	11409.3	11390.2	11375.0	11241.8
11378.8	12.5°	11496.8	11435.9	11565.3	11599.5	11588.1	11607.2	11561.5	11584.3	11447.3
11565.3	15°	11690.9	11694.7	11793.6	11869.7	11862.1	11923.0	11854.5	11915.4	11816.5
11778.4	17.5°	11987.7	12029.6	12170.4	12284.6	12326.4	12372.1	12326.4	12345.5	12204.6
11542.5	20°	11675.7	11831.7	12509.1	12718.4	12805.9	12847.8	12771.7	12794.5	12653.7
11253.2	22.5°	11394.0	11595.7	12197.0	12851.6	13121.8	13205.5	13178.9	13175.1	13121.8
10682.4	25°	10979.2	11386.4	11656.6	12349.3	13197.9	13350.1	13365.4	13361.6	13281.6
10332.3	27.5°	10469.3	10560.6	11260.8	11683.3	12665.1	13243.6	13220.7	13110.4	13003.8
9605.4	30°	9818.5	10233.3	10549.2	11222.8	11976.3	12916.3	12916.3	12832.6	12722.2
9346.6	32.5°	9487.4	10024.0	10317.1	10560.6	11203.8	12551.0	12703.2	12615.7	12528.1
9144.9	35°	9312.4	9392.3	10077.3	10298.0	10842.2	11846.9	12463.4	12375.9	12311.2
8608.3	37.5°	8928.0	9114.5	9434.1	10024.0	10191.5	11272.3	12143.8	12098.1	12022.0
7911.9	40°	8071.7	8570.3	9061.2	9620.6	9795.7	10534.0	11755.6	11774.6	11671.9
7169.8	42.5°	7565.6	7904.3	8673.0	9049.8	9521.7	10058.3	11378.8	11409.3	11337.0
6793.0	45°	6971.9	7348.7	7889.1	8574.1	9217.2	9403.7	10712.8	11032.5	10971.6
6043.3	47.5°	6427.7	6732.2	7394.3	8087.0	8798.6	8772.0	9947.9	10549.2	10465.5
5468.7	50°	5655.2	6187.9	6500.0	7135.5	8197.3	8269.6	9133.5	9982.2	9913.7
4646.7	52.5°	4768.4	5438.2	6035.7	6618.0	7588.4	7759.7	8376.2	9403.7	9358.0
3550.6	55°	4167.2	4654.3	5327.9	5796.0	6850.1	7306.8	7809.1	8851.9	8829.1
2918.9	57.5°	2964.6	3904.6	4460.2	5114.8	5670.4	6496.2	6869.2	7729.2	7516.1
1617.4	60°	2009.4	2450.8	3128.2	3832.3	4205.2	5031.0	5377.3	6066.2	6009.1
966.6	62.5°	1061.8	1469.0	1952.3	2306.2	2576.4	3379.4	3524.0	4266.1	4247.1
388.2	65°	468.1	620.3	1058.0	1240.6	1518.4	1891.4	2017.0	2283.4	2218.7
190.3	67.5°	243.6	369.1	597.5	734.5	924.8	1065.6	1168.3	1252.1	1305.3
125.6	70°	148.4	270.2	369.1	510.0	635.5	749.7	829.6	943.8	1012.3
64.7	72.5°	110.4	171.3	255.0	392.0	460.5	593.7	673.6	757.3	818.2
53.3	75°	60.9	114.2	205.5	308.3	369.1	483.3	555.6	612.7	631.7
30.4	77.5°	38.1	87.5	171.3	239.8	289.2	392.0	373.0	426.2	471.9
22.8	80°	26.6	64.7	133.2	197.9	201.7	251.2	296.8	342.5	373.0
15.2	82.5°	19.0	53.3	98.9	152.2	133.2	194.1	232.1	266.4	194.1
11.4	85°	15.2	38.1	49.5	91.3	76.1	137.0	118.0	114.2	76.1
7.6	87.5°	11.4	19.0	34.3	41.9	30.4	30.4	38.1	45.7	38.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
11173.3
10895.5
10971.6
11036.3
11131.5
11325.5
11652.8
12082.9
12554.8
12950.5
13159.9
12920.1
12680.3
12455.8
12219.9
11945.9
11649.0
11329.3
10979.2
10526.4
9925.1
9388.5
8855.7
7493.3
6012.9
4250.9
2192.0
1305.3
1016.1
829.6
620.3
479.5
376.8
140.8
76.1
38.1
0.0

(END OF REPORT)