

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: P636894

Luminaire Tested: **IFLD-S-SA6C-930-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636894
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-930-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19600.1 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

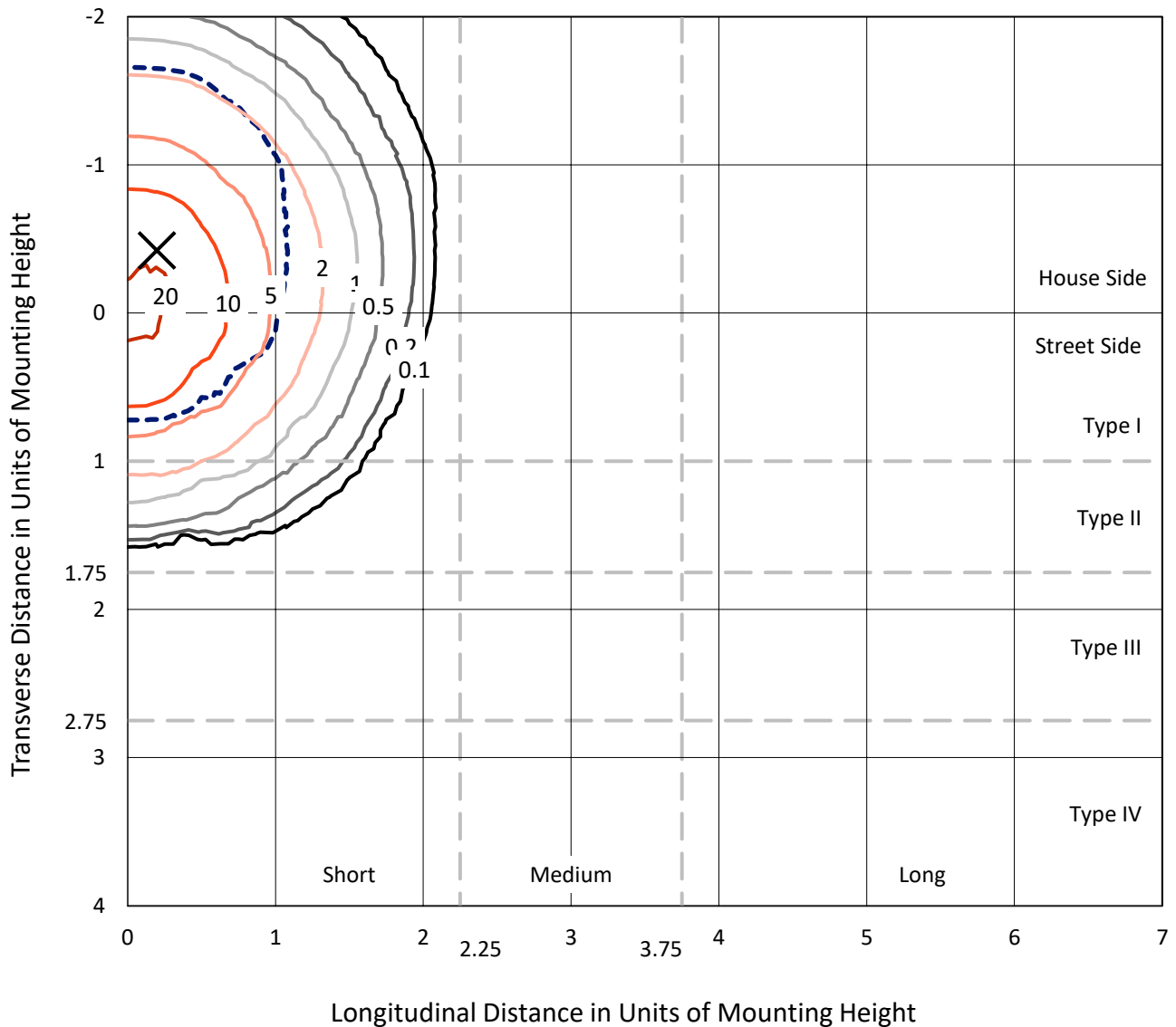
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

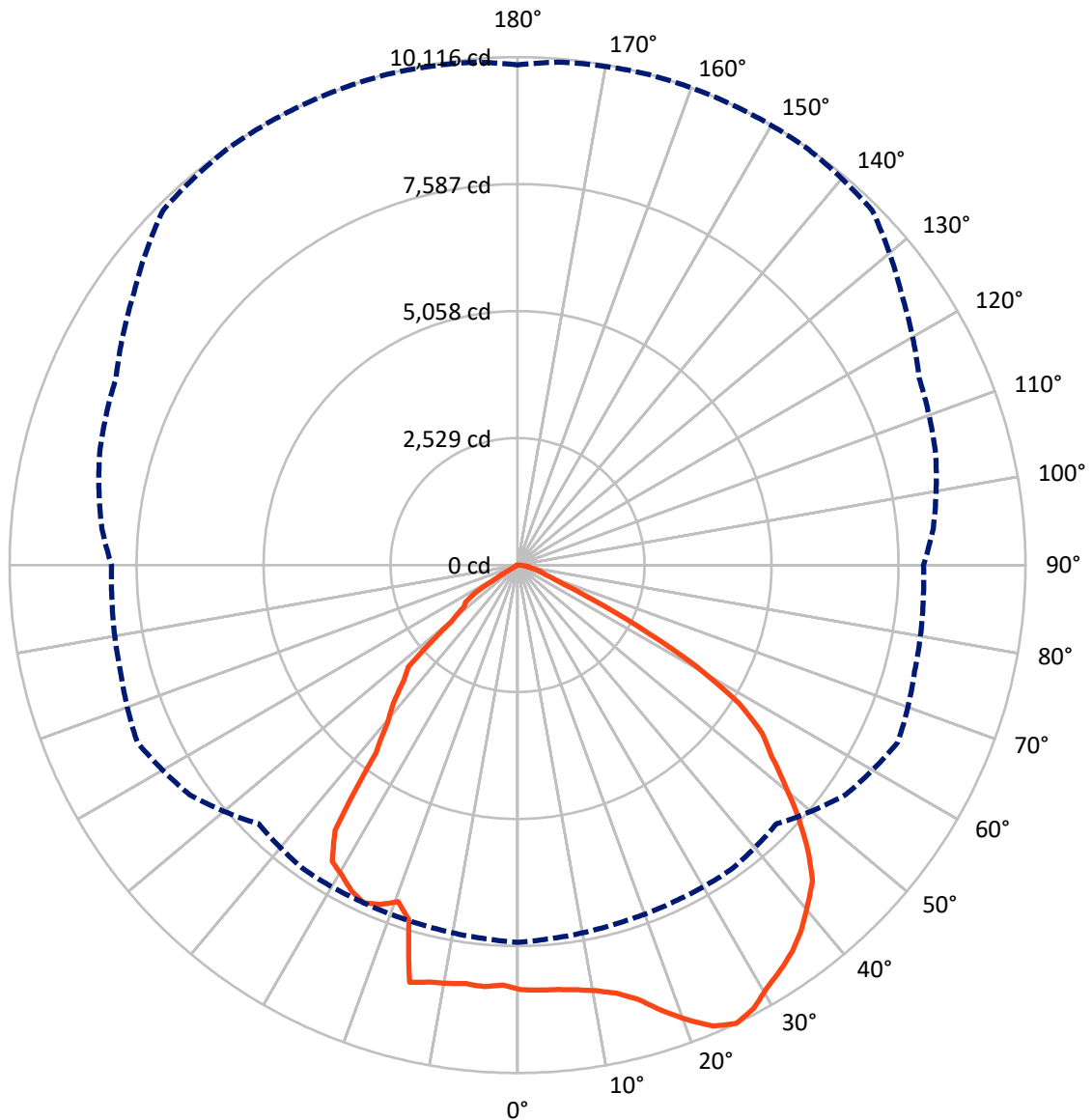
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 21.1 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	12134.5	0.0	12134.5
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	7465.7	0.0	7465.7
	% Fixture	38.1	0.0	38.1
Total	Lumens	19600.1	0.0	19600.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.3	4.1
10°-20°	2477.4	12.6
20°-30°	3916.6	20.0
30°-40°	4424.2	22.6
40°-50°	4143.3	21.1
50°-60°	2856.5	14.6
60°-70°	767.5	3.9
70°-80°	159.9	0.8
80°-90°	43.3	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°	19600.1	100.0
0°-180°	19600.1	100.0



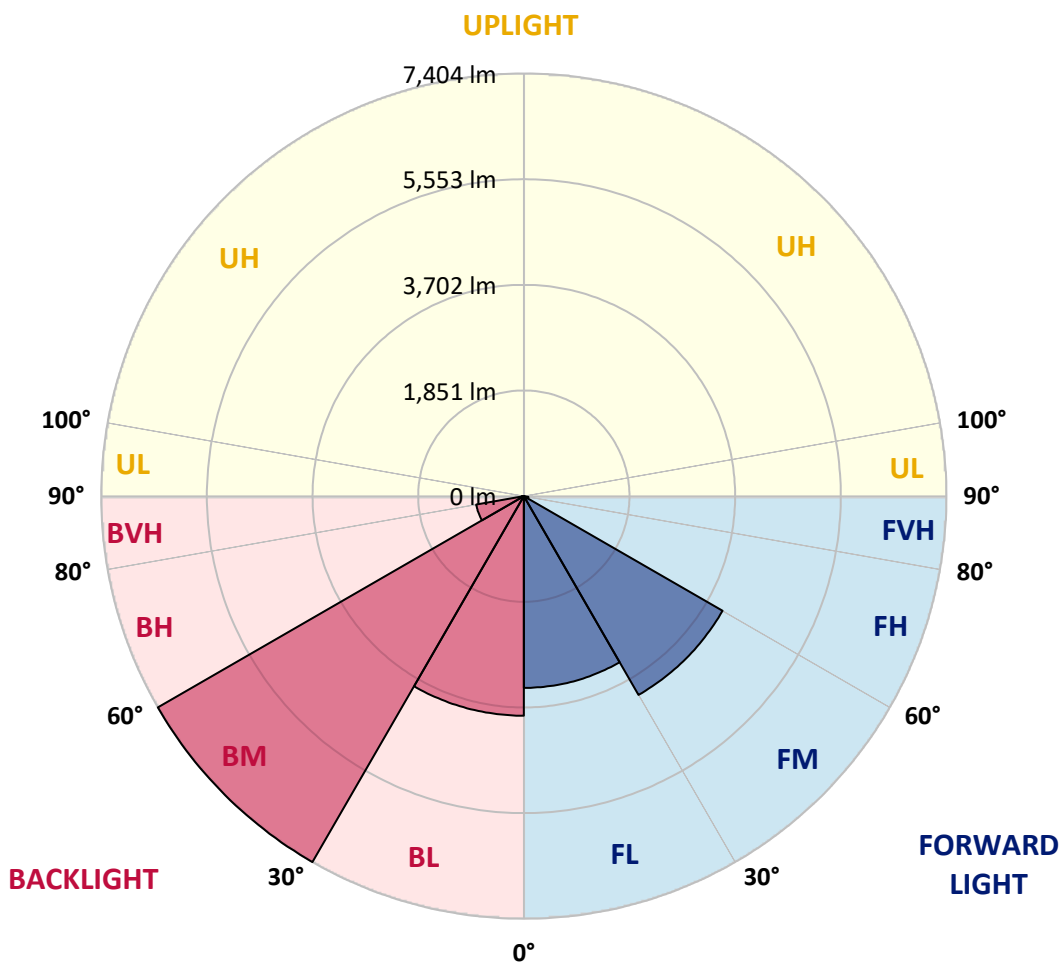
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3358.8	17.1			
FM (30°-60°)	4020.4	20.5			
FH (60°-80°)	80.6	0.4			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	3846.6	19.6	B4/5000		
BM (30°-60°)	7403.7	37.8	B4/8500		
BH (60°-80°)	846.8	4.3	B2/1000		G2/1000
BVH (80°-90°)	37.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8457.1	8457.1	8457.1	8457.1	8457.1	8457.1	8457.1	8457.1	8457.1	8457.1
2.5°	8494.6	8439.8	8388.0	8370.7	8442.7	8520.5	8471.5	8474.4	8457.1	8488.8
5°	8557.9	8483.0	8448.5	8422.5	8434.1	8514.7	8445.6	8471.5	8442.7	8480.2
7.5°	8534.9	8483.0	8448.5	8399.5	8436.9	8532.0	8465.8	8468.6	8454.2	8488.8
10°	8520.5	8483.0	8439.8	8445.6	8488.8	8569.4	8517.6	8546.4	8526.2	8546.4
12.5°	8555.0	8514.7	8491.7	8491.7	8529.1	8621.3	8595.4	8621.3	8612.7	8629.9
15°	8229.6	8267.0	8485.9	8583.9	8658.7	8750.9	8739.4	8765.3	8771.1	8797.0
17.5°	6942.0	6904.5	6887.2	7391.3	8730.8	9015.9	9007.3	9004.4	8975.6	8955.4
20°	7111.9	7097.5	7077.4	7114.8	7264.6	9154.2	9211.8	8857.5	8753.8	8745.2
22.5°	7382.7	7359.6	7284.8	7287.6	7333.7	7958.8	8926.6	8604.0	8569.4	8549.3
25°	7515.2	7469.1	7408.6	7391.3	7405.7	7290.5	7973.2	8356.3	8186.3	8108.6
27.5°	7281.9	7284.8	7235.8	7281.9	7227.1	6708.7	6417.7	7872.4	7866.6	7832.0
30°	7106.2	7097.5	7039.9	7097.5	6720.2	6141.2	6017.3	7342.4	7281.9	7235.8
32.5°	6567.5	6573.3	6740.3	6965.0	6345.7	5887.7	5513.3	6558.9	7132.1	7106.2
35°	4698.1	4709.6	5303.0	6412.0	5778.3	5383.6	5354.8	5668.8	6895.9	6907.4
37.5°	4522.4	4522.4	4508.0	4689.4	5331.8	5179.1	5236.7	5205.0	6316.9	6345.7
40°	4395.6	4369.7	4349.5	4064.4	3707.2	5035.1	5075.4	4931.4	5971.2	5977.0
42.5°	4243.0	4214.2	4219.9	3692.8	3318.3	4677.9	4565.6	4372.6	5395.2	5400.9
45°	3963.5	4012.5	4047.1	3231.9	3203.1	3341.4	4211.3	4090.3	5006.3	5112.9
47.5°	2016.3	2059.5	3159.9	2972.7	3038.9	2969.8	3557.4	3560.3	4165.2	4519.5
50°	1829.1	1817.6	1820.5	1734.1	2805.6	2402.3	2572.3	3263.6	3335.6	3842.6
52.5°	1705.2	1702.4	1526.7	1356.7	1762.9	2114.3	1866.6	2362.0	2480.1	3255.0
55°	1261.7	1353.8	1204.0	1276.1	1103.2	1693.7	1685.1	2131.6	2171.9	2609.7
57.5°	11.5	14.4	34.6	970.7	763.3	846.9	1163.7	1454.6	1526.7	2033.6
60°	2.9	5.8	14.4	28.8	495.4	521.4	777.7	841.1	947.7	1212.7
62.5°	0.0	0.0	5.8	14.4	25.9	213.2	247.7	270.8	417.7	619.3
65°	0.0	0.0	2.9	8.6	14.4	34.6	60.5	126.7	181.5	224.7
67.5°	0.0	0.0	2.9	5.8	11.5	17.3	34.6	49.0	77.8	132.5
70°	0.0	0.0	2.9	5.8	8.6	14.4	23.0	34.6	46.1	66.3
72.5°	0.0	0.0	2.9	5.8	5.8	17.3	17.3	25.9	34.6	43.2
75°	0.0	0.0	2.9	2.9	5.8	11.5	17.3	20.2	23.0	34.6
77.5°	0.0	0.0	2.9	5.8	8.6	11.5	14.4	23.0	20.2	20.2
80°	0.0	0.0	2.9	8.6	8.6	14.4	17.3	23.0	14.4	14.4
82.5°	0.0	0.0	2.9	11.5	8.6	28.8	28.8	31.7	11.5	11.5
85°	0.0	0.0	8.6	5.8	17.3	28.8	25.9	17.3	14.4	8.6
87.5°	0.0	0.0	2.9	2.9	5.8	8.6	20.2	17.3	5.8	5.8
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°
8457.1	0°	8457.1	8457.1	8457.1	8457.1	8457.1	8457.1	8457.1	8457.1	8457.1
8405.3	2.5°	8520.5	8483.0	8560.8	8552.2	8514.7	8497.4	8477.3	8460.0	8333.2
8411.0	5°	8523.4	8465.8	8560.8	8543.5	8537.8	8509.0	8491.7	8517.6	8402.4
8434.1	7.5°	8523.4	8465.8	8569.4	8575.2	8566.6	8543.5	8540.6	8557.9	8462.9
8474.4	10°	8581.0	8557.9	8644.3	8653.0	8641.5	8635.7	8621.3	8609.8	8509.0
8612.7	12.5°	8702.0	8655.9	8753.8	8779.7	8771.1	8785.5	8750.9	8768.2	8664.5
8753.8	15°	8848.9	8851.7	8926.6	8984.2	8978.5	9024.6	8972.7	9018.8	8943.9
8915.1	17.5°	9073.5	9105.2	9211.8	9298.2	9329.9	9364.5	9329.9	9344.3	9237.7
8736.5	20°	8837.3	8955.4	9468.2	9626.6	9692.8	9724.5	9666.9	9684.2	9577.6
8517.6	22.5°	8624.2	8776.8	9232.0	9727.4	9931.9	9995.3	9975.1	9972.2	9931.9
8085.5	25°	8310.2	8618.4	8822.9	9347.2	9989.5	10104.7	10116.3	10113.4	10052.9
7820.5	27.5°	7924.2	7993.4	8523.4	8843.1	9586.3	10024.1	10006.8	9923.3	9842.6
7270.3	30°	7431.7	7745.6	7984.7	8494.6	9064.9	9776.4	9776.4	9713.0	9629.5
7074.5	32.5°	7181.1	7587.2	7809.0	7993.4	8480.2	9499.8	9615.1	9548.8	9482.6
6921.8	35°	7048.6	7109.0	7627.5	7794.6	8206.5	8967.0	9433.6	9367.3	9318.4
6515.7	37.5°	6757.6	6898.8	7140.7	7587.2	7713.9	8532.0	9191.6	9157.1	9099.5
5988.5	40°	6109.5	6486.9	6858.4	7281.9	7414.4	7973.2	8897.8	8912.2	8834.5
5426.8	42.5°	5726.4	5982.8	6564.6	6849.8	7207.0	7613.1	8612.7	8635.7	8581.0
5141.7	45°	5277.1	5562.2	5971.2	6489.7	6976.5	7117.7	8108.6	8350.5	8304.4
4574.2	47.5°	4865.1	5095.6	5596.8	6121.0	6659.7	6639.5	7529.6	7984.7	7921.3
4139.3	50°	4280.4	4683.7	4919.9	5400.9	6204.6	6259.3	6913.2	7555.5	7503.7
3517.1	52.5°	3609.2	4116.2	4568.5	5009.2	5743.7	5873.3	6340.0	7117.7	7083.1
2687.5	55°	3154.1	3522.8	4032.7	4387.0	5184.9	5530.5	5910.8	6700.0	6682.7
2209.3	57.5°	2243.9	2955.4	3375.9	3871.4	4291.9	4917.0	5199.3	5850.3	5689.0
1224.2	60°	1520.9	1855.0	2367.8	2900.7	3182.9	3808.0	4070.1	4591.5	4548.3
731.6	62.5°	803.7	1111.9	1477.7	1745.6	1950.1	2557.9	2667.3	3229.0	3214.6
293.8	65°	354.3	469.5	800.8	939.0	1149.3	1431.6	1526.7	1728.3	1679.3
144.0	67.5°	184.4	279.4	452.2	555.9	700.0	806.5	884.3	947.7	988.0
95.1	70°	112.3	204.5	279.4	386.0	481.0	567.5	627.9	714.4	766.2
49.0	72.5°	83.5	129.6	193.0	296.7	348.5	449.4	509.8	573.2	619.3
40.3	75°	46.1	86.4	155.5	233.3	279.4	365.8	420.6	463.8	478.2
23.0	77.5°	28.8	66.3	129.6	181.5	218.9	296.7	282.3	322.6	357.2
17.3	80°	20.2	49.0	100.8	149.8	152.7	190.1	224.7	259.2	282.3
11.5	82.5°	14.4	40.3	74.9	115.2	100.8	146.9	175.7	201.6	146.9
8.6	85°	11.5	28.8	37.4	69.1	57.6	103.7	89.3	86.4	57.6
5.8	87.5°	8.6	14.4	25.9	31.7	23.0	23.0	28.8	34.6	28.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
8457.1
8246.8
8304.4
8353.4
8425.4
8572.3
8820.1
9145.5
9502.7
9802.3
9960.7
9779.3
9597.8
9427.8
9249.2
9041.8
8817.2
8575.2
8310.2
7967.4
7512.3
7106.2
6702.9
5671.7
4551.2
3217.5
1659.2
988.0
769.1
627.9
469.5
362.9
285.2
106.6
57.6
28.8
0.0

(END OF REPORT)