

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: P636903

Luminaire Tested: **IFLD-L-SA7B-930-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636903
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-930-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16798.3 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

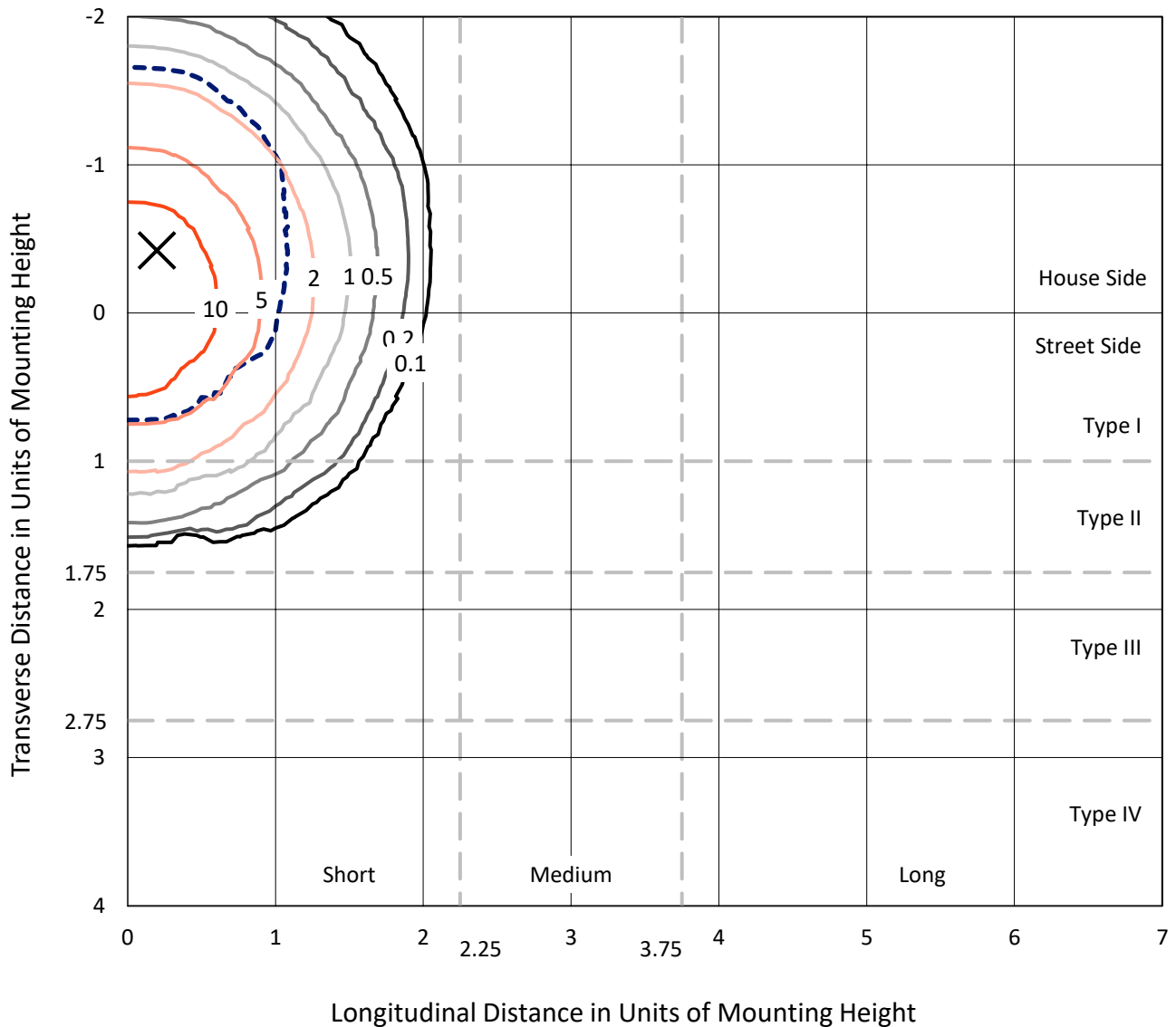
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

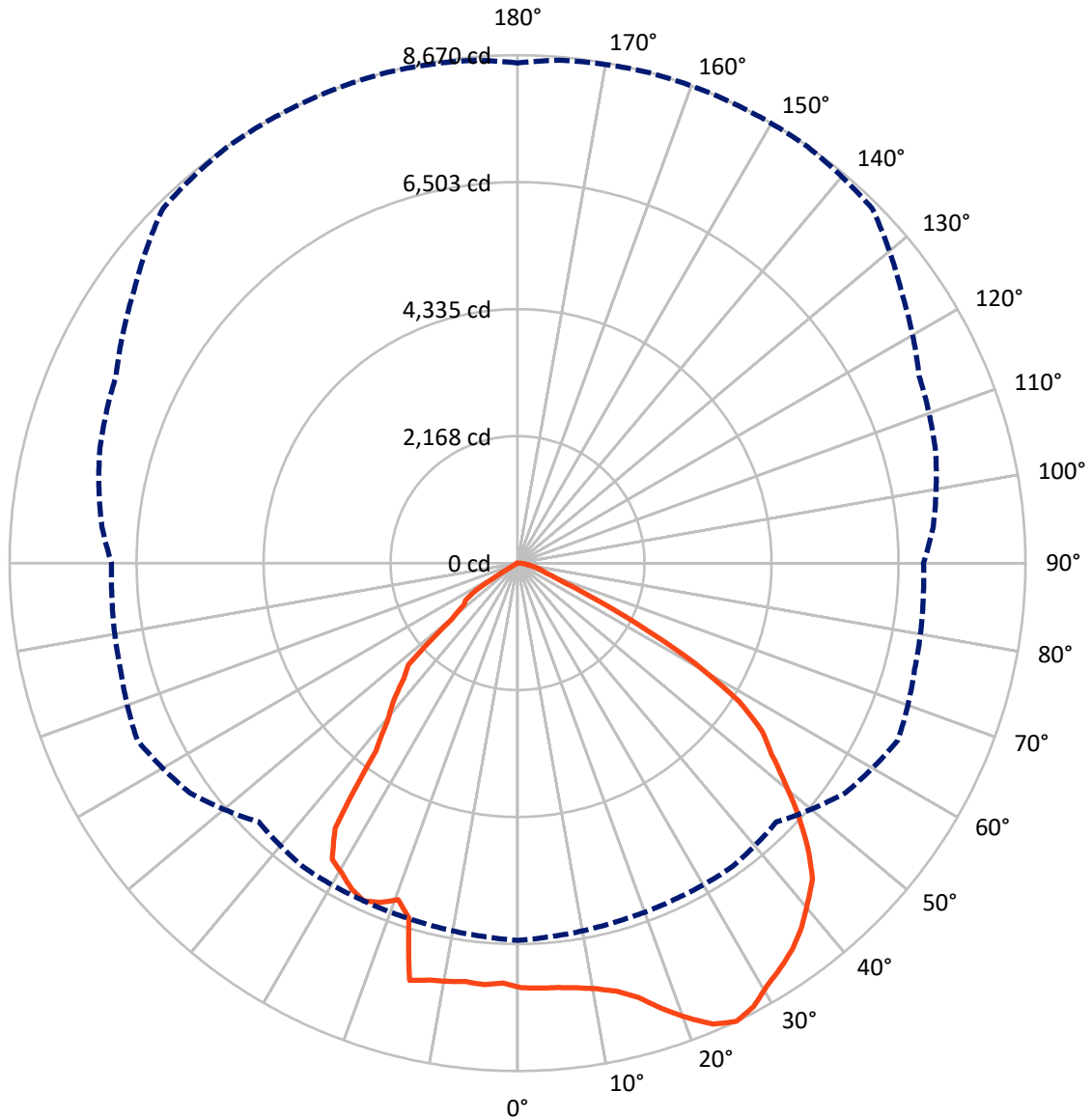
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 18.1 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	10399.9	0.0	10399.9
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	6398.4	0.0	6398.4
	% Fixture	38.1	0.0	38.1
Total	Lumens	16798.3	0.0	16798.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.4	4.1
10°-20°	2123.3	12.6
20°-30°	3356.8	20.0
30°-40°	3791.8	22.6
40°-50°	3551.1	21.1
50°-60°	2448.2	14.6
60°-70°	657.7	3.9
70°-80°	137.1	0.8
80°-90°	37.1	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°	16798.3	100.0
0°-180°	16798.3	100.0



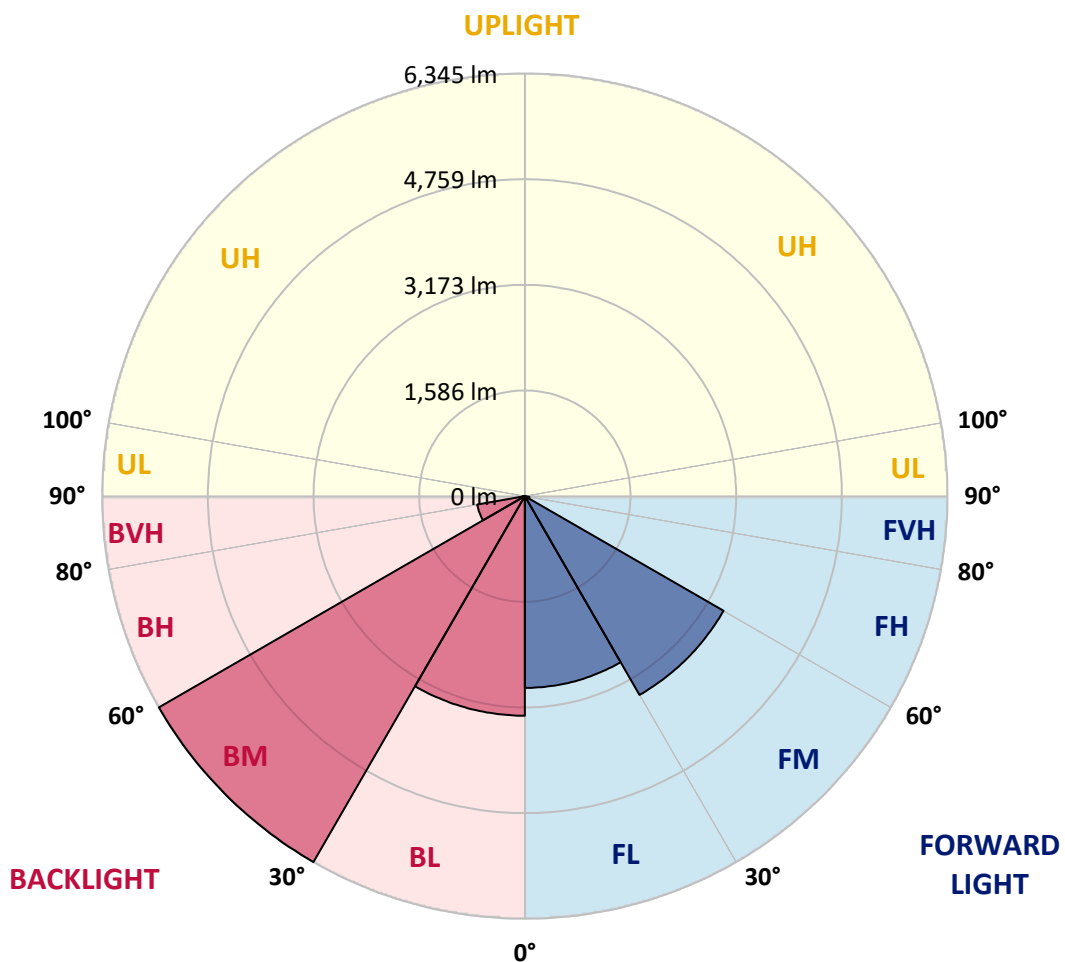
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2878.7	17.1			
FM (30°-60°)	3445.7	20.5			
FH (60°-80°)	69.0	0.4			G0/660
FVH (80°-90°)	5.0	0.0			G0/10
BL (0°-30°)	3296.7	19.6	B4/5000		
BM (30°-60°)	6345.3	37.8	B4/8500		
BH (60°-80°)	725.8	4.3	B2/1000		G2/1000
BVH (80°-90°)	32.1	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°	7248.2	7248.2	7248.2	7248.2	7248.2	7248.2	7248.2	7248.2	7248.2	7248.2
2.5°	7280.3	7233.4	7188.9	7174.1	7235.8	7302.5	7260.5	7263.0	7248.2	7275.3
5°	7334.6	7270.4	7240.8	7218.6	7228.4	7297.6	7238.3	7260.5	7235.8	7267.9
7.5°	7314.8	7270.4	7240.8	7198.8	7230.9	7312.4	7255.6	7258.1	7245.7	7275.3
10°	7302.5	7270.4	7233.4	7238.3	7275.3	7344.5	7300.0	7324.7	7307.4	7324.7
12.5°	7332.1	7297.6	7277.8	7277.8	7309.9	7388.9	7366.7	7388.9	7381.5	7396.3
15°	7053.2	7085.2	7272.9	7356.8	7421.0	7500.0	7490.1	7512.3	7517.3	7539.5
17.5°	5949.6	5917.5	5902.7	6334.8	7482.7	7727.1	7719.7	7717.2	7692.6	7675.3
20°	6095.3	6082.9	6065.7	6097.8	6226.1	7845.6	7895.0	7591.3	7502.5	7495.1
22.5°	6327.3	6307.6	6243.4	6245.9	6285.4	6821.1	7650.6	7374.1	7344.5	7327.2
25°	6440.9	6401.4	6349.6	6334.8	6347.1	6248.3	6833.4	7161.8	7016.1	6949.5
27.5°	6240.9	6243.4	6201.4	6240.9	6194.0	5749.7	5500.3	6747.0	6742.1	6712.5
30°	6090.4	6082.9	6033.6	6082.9	5759.5	5263.3	5157.2	6292.8	6240.9	6201.4
32.5°	5628.7	5633.6	5776.8	5969.4	5438.6	5046.1	4725.1	5621.3	6112.6	6090.4
35°	4026.5	4036.4	4544.9	5495.4	4952.3	4614.1	4589.4	4858.5	5910.1	5920.0
37.5°	3875.9	3875.9	3863.6	4019.1	4569.6	4438.8	4488.1	4461.0	5413.9	5438.6
40°	3767.3	3745.1	3727.8	3483.4	3177.3	4315.3	4349.9	4226.5	5117.7	5122.6
42.5°	3636.4	3611.7	3616.7	3164.9	2844.0	4009.2	3912.9	3747.5	4623.9	4628.9
45°	3397.0	3438.9	3468.6	2769.9	2745.2	2863.7	3609.3	3505.6	4290.6	4382.0
47.5°	1728.1	1765.1	2708.2	2547.7	2604.5	2545.3	3048.9	3051.3	3569.8	3873.4
50°	1567.6	1557.8	1560.2	1486.2	2404.5	2058.9	2204.6	2797.1	2858.8	3293.3
52.5°	1461.5	1459.0	1308.4	1162.8	1510.9	1812.0	1599.7	2024.4	2125.6	2789.7
55°	1081.3	1160.3	1031.9	1093.6	945.5	1451.6	1444.2	1826.9	1861.4	2236.7
57.5°	9.9	12.3	29.6	832.0	654.2	725.8	997.4	1246.7	1308.4	1742.9
60°	2.5	4.9	12.3	24.7	424.6	446.8	666.6	720.9	812.2	1039.3
62.5°	0.0	0.0	4.9	12.3	22.2	182.7	212.3	232.1	358.0	530.8
65°	0.0	0.0	2.5	7.4	12.3	29.6	51.8	108.6	155.5	192.6
67.5°	0.0	0.0	2.5	4.9	9.9	14.8	29.6	42.0	66.7	113.6
70°	0.0	0.0	2.5	4.9	7.4	12.3	19.7	29.6	39.5	56.8
72.5°	0.0	0.0	2.5	4.9	4.9	14.8	14.8	22.2	29.6	37.0
75°	0.0	0.0	2.5	2.5	4.9	9.9	14.8	17.3	19.7	29.6
77.5°	0.0	0.0	2.5	4.9	7.4	9.9	12.3	19.7	17.3	17.3
80°	0.0	0.0	2.5	7.4	7.4	12.3	14.8	19.7	12.3	12.3
82.5°	0.0	0.0	2.5	9.9	7.4	24.7	24.7	27.2	9.9	9.9
85°	0.0	0.0	7.4	4.9	14.8	24.7	22.2	14.8	12.3	7.4
87.5°	0.0	0.0	2.5	2.5	4.9	7.4	17.3	14.8	4.9	4.9
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°
7248.2	0°	7248.2	7248.2	7248.2	7248.2	7248.2	7248.2	7248.2	7248.2	7248.2
7203.7	2.5°	7302.5	7270.4	7337.1	7329.7	7297.6	7282.7	7265.5	7250.7	7142.0
7208.7	5°	7305.0	7255.6	7337.1	7322.2	7317.3	7292.6	7277.8	7300.0	7201.3
7228.4	7.5°	7305.0	7255.6	7344.5	7349.4	7342.0	7322.2	7319.8	7334.6	7253.1
7263.0	10°	7354.3	7334.6	7408.7	7416.1	7406.2	7401.2	7388.9	7379.0	7292.6
7381.5	12.5°	7458.0	7418.5	7502.5	7524.7	7517.3	7529.6	7500.0	7514.8	7425.9
7502.5	15°	7583.9	7586.4	7650.6	7700.0	7695.0	7734.5	7690.1	7729.6	7665.4
7640.7	17.5°	7776.5	7803.6	7895.0	7969.1	7996.2	8025.8	7996.2	8008.6	7917.2
7487.7	20°	7574.1	7675.3	8114.7	8250.5	8307.3	8334.4	8285.1	8299.9	8208.5
7300.0	22.5°	7391.4	7522.2	7912.3	8336.9	8512.2	8566.5	8549.2	8546.7	8512.2
6929.7	25°	7122.3	7386.4	7561.7	8011.0	8561.5	8660.3	8670.2	8667.7	8615.9
6702.6	27.5°	6791.5	6850.7	7305.0	7579.0	8215.9	8591.2	8576.4	8504.8	8435.6
6231.1	30°	6369.3	6638.4	6843.3	7280.3	7769.1	8378.9	8378.9	8324.5	8253.0
6063.2	32.5°	6154.5	6502.6	6692.7	6850.7	7267.9	8141.9	8240.6	8183.8	8127.1
5932.4	35°	6041.0	6092.8	6537.2	6680.4	7033.4	7685.1	8085.1	8028.3	7986.3
5584.3	37.5°	5791.6	5912.6	6120.0	6502.6	6611.3	7312.4	7877.7	7848.1	7798.7
5132.5	40°	5236.2	5559.6	5878.0	6240.9	6354.5	6833.4	7625.9	7638.2	7571.6
4651.1	42.5°	4907.8	5127.5	5626.2	5870.6	6176.8	6524.8	7381.5	7401.2	7354.3
4406.7	45°	4522.7	4767.1	5117.7	5562.0	5979.3	6100.2	6949.5	7156.8	7117.3
3920.3	47.5°	4169.7	4367.2	4796.7	5246.0	5707.7	5690.4	6453.3	6843.3	6789.0
3547.6	50°	3668.5	4014.2	4216.6	4628.9	5317.6	5364.5	5924.9	6475.5	6431.0
3014.3	52.5°	3093.3	3527.8	3915.4	4293.1	4922.6	5033.7	5433.7	6100.2	6070.6
2303.3	55°	2703.3	3019.3	3456.2	3759.9	4443.7	4740.0	5065.8	5742.3	5727.4
1893.5	57.5°	1923.1	2532.9	2893.3	3318.0	3678.4	4214.1	4456.1	5014.0	4875.7
1049.2	60°	1303.5	1589.9	2029.3	2486.0	2727.9	3263.7	3488.3	3935.2	3898.1
627.1	62.5°	688.8	952.9	1266.5	1496.0	1671.3	2192.2	2286.0	2767.4	2755.1
251.8	65°	303.7	402.4	686.3	804.8	985.0	1227.0	1308.4	1481.2	1439.3
123.4	67.5°	158.0	239.5	387.6	476.5	599.9	691.2	757.9	812.2	846.8
81.5	70°	96.3	175.3	239.5	330.8	412.3	486.3	538.2	612.2	656.7
42.0	72.5°	71.6	111.1	165.4	254.3	298.7	385.1	437.0	491.3	530.8
34.6	75°	39.5	74.1	133.3	200.0	239.5	313.5	360.4	397.5	409.8
19.7	77.5°	24.7	56.8	111.1	155.5	187.6	254.3	241.9	276.5	306.1
14.8	80°	17.3	42.0	86.4	128.4	130.8	162.9	192.6	222.2	241.9
9.9	82.5°	12.3	34.6	64.2	98.7	86.4	125.9	150.6	172.8	125.9
7.4	85°	9.9	24.7	32.1	59.2	49.4	88.9	76.5	74.1	49.4
4.9	87.5°	7.4	12.3	22.2	27.2	19.7	19.7	24.7	29.6	24.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
7248.2
7068.0
7117.3
7159.3
7221.0
7346.9
7559.2
7838.2
8144.3
8401.1
8536.9
8381.3
8225.8
8080.1
7927.1
7749.3
7556.8
7349.4
7122.3
6828.5
6438.4
6090.4
5744.7
4860.9
3900.6
2757.6
1422.0
846.8
659.2
538.2
402.4
311.1
244.4
91.3
49.4
24.7
0.0

(END OF REPORT)