

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: P636603

Luminaire Tested: **IFLD-S-SA6B-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636603
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17009.4 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

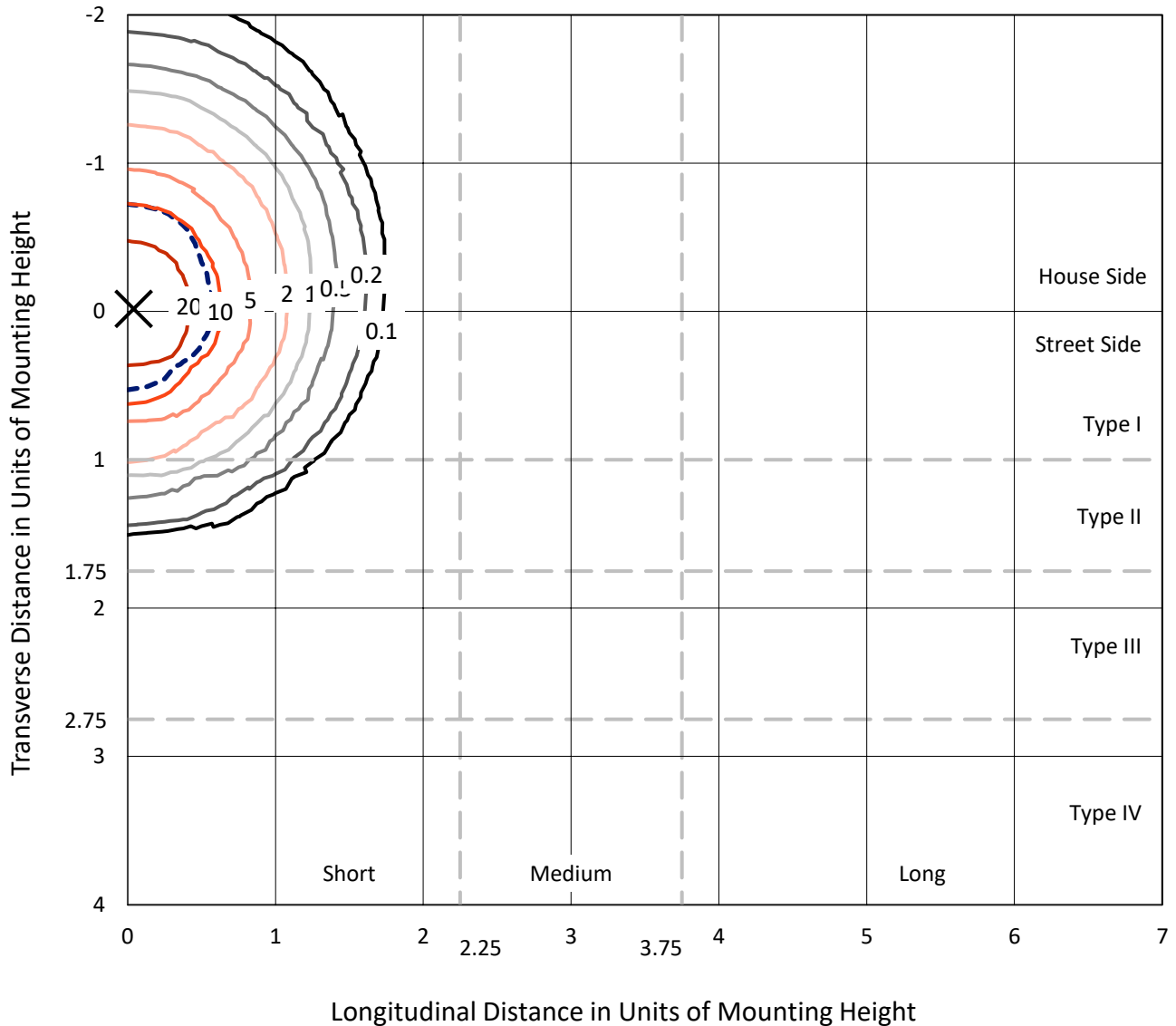
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

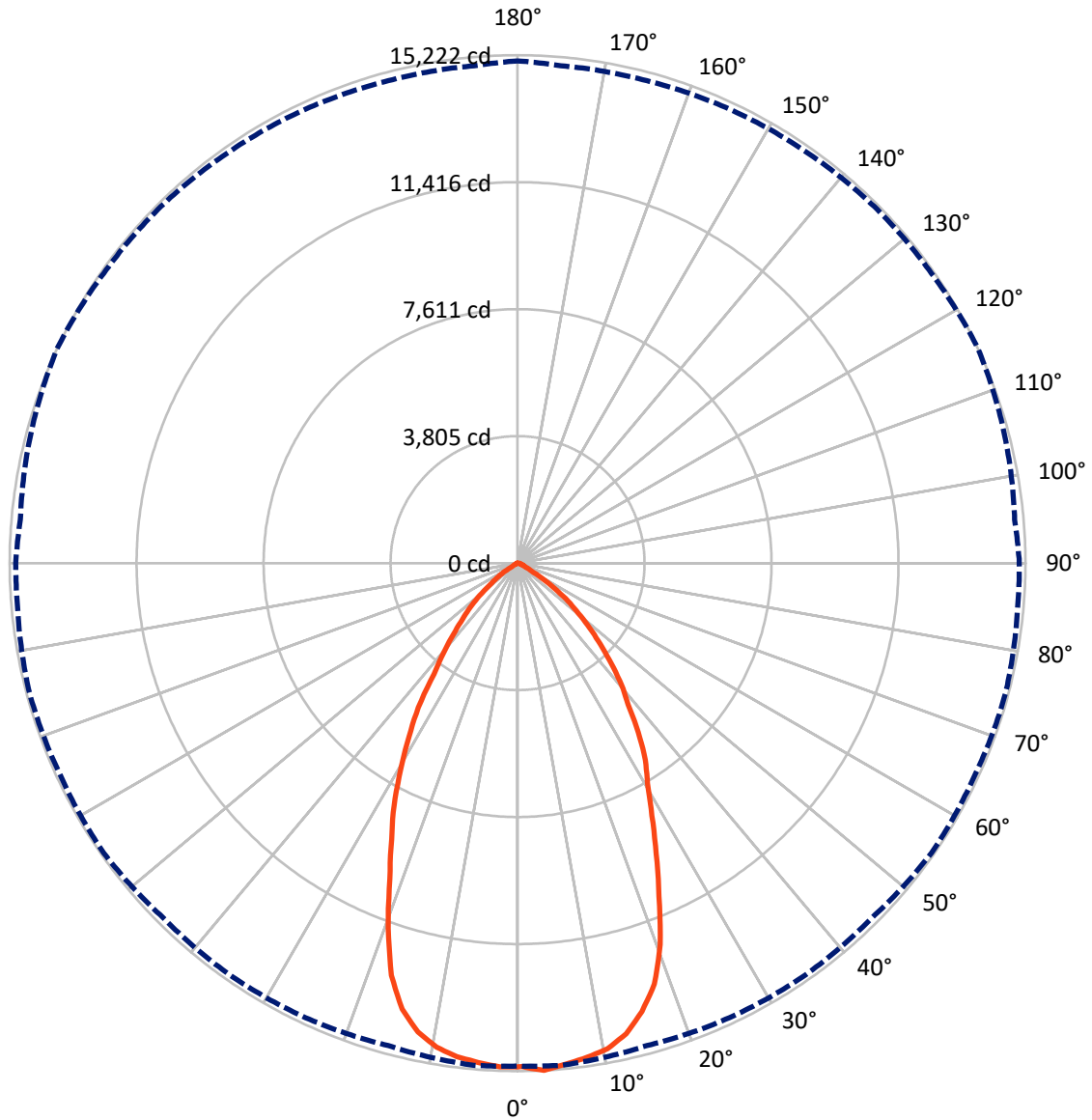
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 37.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9734.3	0.0	9734.3
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	7275.1	0.0	7275.1
	% Fixture	42.8	0.0	42.8
Total	Lumens	17009.4	0.0	17009.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1421.4	8.4
10°-20°	3768.9	22.2
20°-30°	4310.9	25.3
30°-40°	3694.3	21.7
40°-50°	2442.8	14.4
50°-60°	1065.9	6.3
60°-70°	209.4	1.2
70°-80°	75.6	0.4
80°-90°	20.1	0.1
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°	17009.4	100.0
0°-180°	17009.4	100.0



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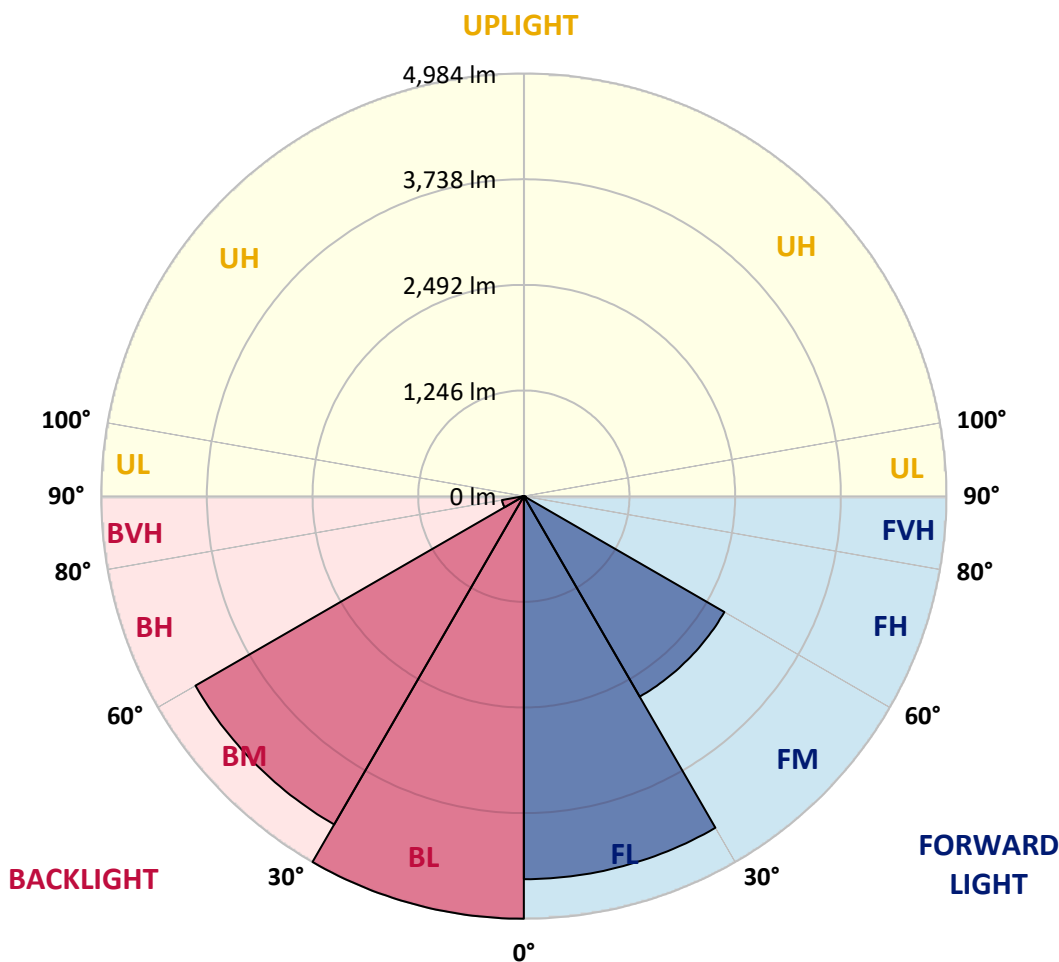
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4517.3	26.6			
FM (30°-60°)	2731.4	16.1			
FH (60°-80°)	23.1	0.1			G0/660
FVH (80°-90°)	3.3	0.0			G0/10
BL (0°-30°)	4983.9	29.3	B4/5000		
BM (30°-60°)	4471.7	26.3	B3/5000		
BH (60°-80°)	261.9	1.5	B1/500		G1/500
BVH (80°-90°)	16.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15091.7	15091.7	15091.7	15091.7	15091.7	15091.7	15091.7	15091.7	15091.7	15091.7
2.5°	15070.0	15106.1	14968.7	15030.2	15055.5	15023.0	15142.3	15106.1	15135.0	15044.6
5°	15070.0	15106.1	14947.0	14976.0	14983.2	14921.7	15051.9	15008.5	15012.1	14918.1
7.5°	14976.0	15019.3	14874.7	14896.4	14900.0	14849.4	14961.5	14900.0	14878.3	14780.7
10°	14722.9	14748.2	14618.0	14672.2	14722.9	14675.9	14773.5	14704.8	14704.8	14618.0
12.5°	14321.5	14368.5	14223.9	14289.0	14332.4	14278.1	14390.2	14364.9	14368.5	14281.7
15°	13591.2	13428.5	13602.0	13732.2	13735.8	13724.9	13829.8	13804.5	13822.6	13692.4
17.5°	10040.6	10000.8	10203.3	11740.0	12882.5	13038.0	13056.1	12918.7	12857.2	12730.6
20°	9303.0	9331.9	9288.6	9295.8	10196.1	12065.4	11953.3	11613.4	11457.9	11331.4
22.5°	8764.3	8717.3	8688.4	8670.3	8695.6	9914.1	10720.4	10206.9	10123.8	10062.3
25°	8178.6	8156.9	8120.7	8113.5	8099.0	7892.9	9053.5	9100.5	8966.8	8890.8
27.5°	7632.6	7618.1	7578.4	7574.8	7408.4	6909.5	7036.0	8153.3	8117.1	8088.2
30°	7050.5	7021.6	6999.9	6999.9	6497.3	5983.9	5777.8	7108.3	7108.3	7083.0
32.5°	6417.7	6392.4	6399.7	6312.9	5712.7	5242.7	4917.3	6135.7	6515.4	6493.7
35°	3923.0	3915.7	4649.7	5615.1	4910.0	4483.4	4461.7	5249.9	5803.1	5860.9
37.5°	3492.7	3471.0	3481.9	3543.3	4205.0	4035.0	4027.8	4161.6	4939.0	4967.9
40°	3134.8	3120.3	3109.4	2888.9	2679.2	3601.2	3575.9	3489.1	4219.4	4270.1
42.5°	2794.9	2780.4	2780.4	2469.5	2129.6	2961.2	2972.1	2870.8	3557.8	3575.9
45°	2444.2	2433.3	2371.9	1970.5	1872.9	1966.9	2462.2	2346.5	2823.8	3011.8
47.5°	1153.4	1146.2	1659.6	1637.9	1630.7	1572.8	1880.1	1945.2	2241.7	2429.7
50°	925.6	918.4	875.0	770.1	1341.4	1193.2	1355.9	1496.9	1590.9	1764.4
52.5°	766.5	759.3	668.9	593.0	744.8	871.4	809.9	1001.5	997.9	1185.9
55°	502.6	466.4	513.4	484.5	390.5	632.7	618.3	759.3	741.2	903.9
57.5°	10.8	10.8	25.3	274.8	245.9	267.6	354.3	433.9	488.1	535.1
60°	3.6	3.6	7.2	14.5	101.2	112.1	137.4	159.1	224.2	278.4
62.5°	0.0	0.0	3.6	7.2	14.5	57.9	65.1	75.9	104.9	144.6
65°	0.0	0.0	0.0	3.6	7.2	14.5	21.7	47.0	65.1	83.2
67.5°	0.0	0.0	0.0	3.6	3.6	7.2	14.5	21.7	28.9	57.9
70°	0.0	0.0	0.0	3.6	3.6	7.2	10.8	14.5	21.7	28.9
72.5°	0.0	0.0	0.0	3.6	3.6	10.8	7.2	10.8	14.5	18.1
75°	0.0	0.0	0.0	3.6	3.6	3.6	7.2	10.8	10.8	14.5
77.5°	0.0	0.0	0.0	3.6	7.2	7.2	7.2	7.2	7.2	10.8
80°	0.0	0.0	0.0	3.6	3.6	7.2	10.8	14.5	7.2	7.2
82.5°	0.0	0.0	0.0	7.2	3.6	14.5	21.7	18.1	7.2	3.6
85°	0.0	0.0	0.0	3.6	14.5	18.1	18.1	10.8	3.6	3.6
87.5°	0.0	0.0	0.0	3.6	3.6	7.2	10.8	10.8	3.6	3.6
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°
15091.7	0°	15091.7	15091.7	15091.7	15091.7	15091.7	15091.7	15091.7	15091.7	15091.7
15037.4	2.5°	14954.3	15095.3	15221.8	15142.3	15113.3	15055.5	15012.1	14965.1	14961.5
14907.3	5°	14824.1	14957.9	15080.8	14986.8	14994.0	14965.1	14936.2	14925.3	14932.6
14773.5	7.5°	14712.0	14824.1	14957.9	14878.3	14900.0	14881.9	14867.5	14845.8	14878.3
14599.9	10°	14542.1	14643.3	14798.8	14722.9	14712.0	14693.9	14679.5	14639.7	14657.8
14285.4	12.5°	14169.7	14296.2	14473.4	14386.6	14415.5	14364.9	14343.2	14317.9	14321.5
13739.4	15°	13663.5	13761.1	13941.9	13873.2	13894.9	13862.3	13862.3	13862.3	13887.6
12748.7	17.5°	12781.3	12980.1	13265.8	13179.0	13211.5	13218.8	13211.5	13236.8	13269.4
11338.6	20°	11345.9	11685.7	12206.4	12376.3	12445.0	12448.6	12398.0	12459.5	12524.6
10018.9	22.5°	10026.1	10384.1	10843.3	11309.7	11599.0	11584.5	11591.7	11631.5	11700.2
8843.8	25°	8883.6	9227.1	9642.9	10058.7	10691.4	10821.6	10825.2	10861.4	10915.6
8041.2	27.5°	8059.2	8193.0	8572.7	8992.1	9671.8	10087.6	10065.9	10098.5	10156.3
7036.0	30°	7064.9	7578.4	7665.1	7921.9	8507.6	9270.5	9274.1	9310.3	9368.1
6443.1	32.5°	6425.0	6764.8	7032.4	7039.6	7538.6	8323.2	8478.7	8514.8	8554.6
5828.4	35°	5824.8	5864.6	6226.1	6327.4	6616.6	7394.0	7668.8	7690.5	7755.5
4957.0	37.5°	5040.2	5275.2	5376.4	5738.0	5752.5	6381.6	6927.6	6905.9	6956.5
4266.4	40°	4320.7	4544.9	4801.6	5065.5	5101.7	5571.7	6175.5	6197.2	6218.9
3539.7	42.5°	3568.6	3854.3	4118.2	4295.4	4541.2	4812.4	5387.3	5488.5	5539.1
3033.5	45°	3087.8	3167.3	3481.9	3742.2	3991.7	4118.2	4656.9	4841.3	4873.9
2400.8	47.5°	2433.3	2700.9	2914.2	3134.8	3445.7	3557.8	3948.3	4205.0	4230.3
1782.5	50°	1880.1	2071.8	2364.6	2563.5	2925.0	2986.5	3254.1	3586.7	3619.2
1193.2	52.5°	1345.0	1605.3	1891.0	2082.6	2429.7	2509.2	2708.1	3026.3	3048.0
914.8	55°	965.4	1135.3	1370.3	1645.1	1898.2	2075.4	2212.8	2516.5	2545.4
600.2	57.5°	658.0	817.1	914.8	1189.5	1341.4	1533.0	1645.1	1876.5	1898.2
285.6	60°	314.6	390.5	466.4	603.8	701.4	864.1	936.4	1030.5	1055.8
173.6	62.5°	202.5	238.6	303.7	361.6	455.6	556.8	585.7	665.3	694.2
108.5	65°	133.8	169.9	238.6	253.1	347.1	426.6	462.8	520.7	553.2
65.1	67.5°	75.9	119.3	177.2	209.7	274.8	350.7	390.5	441.1	470.0
43.4	70°	50.6	97.6	141.0	173.6	216.9	282.0	332.6	376.0	394.1
21.7	72.5°	28.9	61.5	97.6	137.4	173.6	235.0	282.0	318.2	209.7
14.5	75°	18.1	47.0	83.2	115.7	144.6	188.0	227.8	224.2	94.0
10.8	77.5°	14.5	36.2	72.3	97.6	119.3	130.2	162.7	184.4	72.3
7.2	80°	10.8	28.9	65.1	83.2	47.0	94.0	126.5	137.4	50.6
7.2	82.5°	7.2	18.1	54.2	57.9	32.5	68.7	101.2	90.4	36.2
3.6	85°	3.6	10.8	18.1	32.5	28.9	32.5	25.3	36.2	25.3
3.6	87.5°	3.6	7.2	14.5	14.5	14.5	10.8	14.5	14.5	14.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
15091.7
15048.3
15023.0
14968.7
14744.6
14426.4
13898.5
13377.8
12567.9
11711.0
11009.6
10210.5
9469.3
8645.0
7824.2
7017.9
6287.6
5611.5
4953.4
4291.8
3666.3
3087.8
2570.7
1941.6
1084.7
701.4
553.2
466.4
390.5
169.9
94.0
72.3
54.2
36.2
25.3
14.5
0.0

(END OF REPORT)