

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: P636569

Luminaire Tested: **IFLD-S-SA3B-927-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636569  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-927-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (48) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8577.3 lumens  
Efficiency: N/A  
Efficacy: 70.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G1

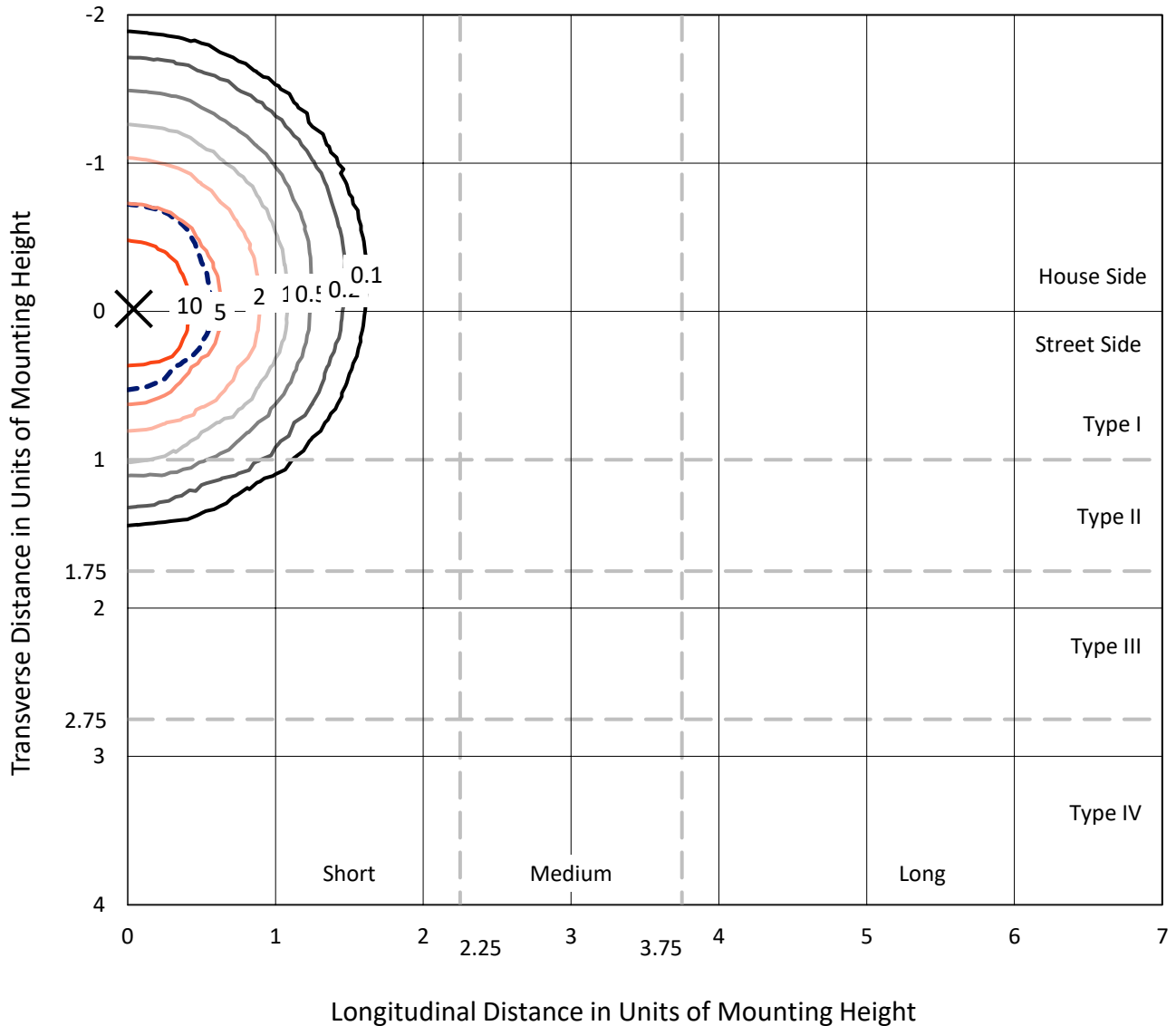
Input Watts (W): 122.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

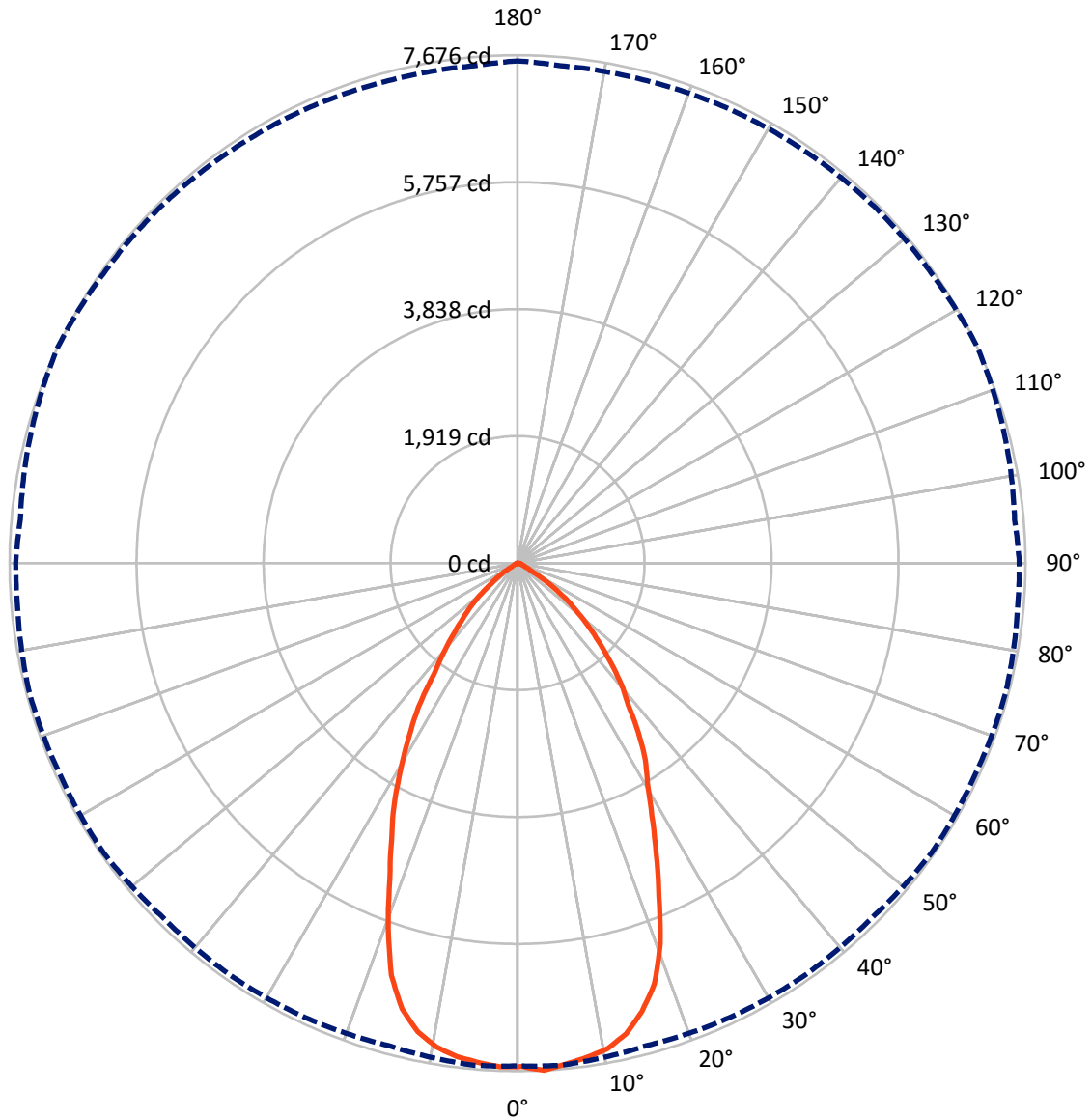
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 19 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
<b>House Side</b>	Lumens	4908.7	0.0	4908.7
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	3668.6	0.0	3668.6
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	8577.3	0.0	8577.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	716.8	8.4
10°-20°	1900.6	22.2
20°-30°	2173.9	25.3
30°-40°	1862.9	21.7
40°-50°	1231.8	14.4
50°-60°	537.5	6.3
60°-70°	105.6	1.2
70°-80°	38.1	0.4
80°-90°	10.1	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°	8577.3	100.0
0°-180°	8577.3	100.0



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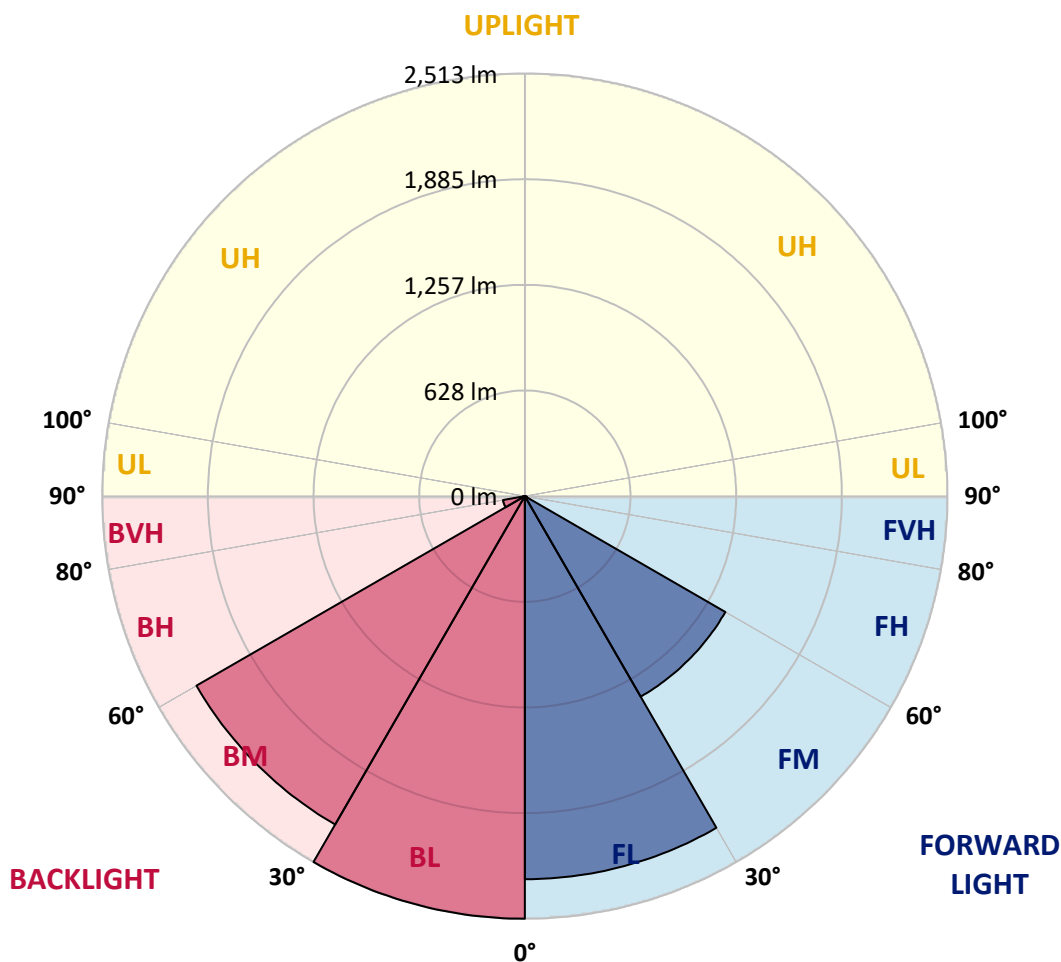
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2278.0	26.6			
FM (30°-60°)	1377.3	16.1			
FH (60°-80°)	11.7	0.1			G0/660
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	2513.3	29.3	B4/5000		
BM (30°-60°)	2255.0	26.3	B2/2500		
BH (60°-80°)	132.0	1.5	B1/500		G1/500
BVH (80°-90°)	8.5	0.1			G0/10
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°	7610.3	7610.3	7610.3	7610.3	7610.3	7610.3	7610.3	7610.3	7610.3	7610.3
2.5°	7599.3	7617.6	7548.3	7579.3	7592.1	7575.6	7635.8	7617.6	7632.2	7586.6
5°	7599.3	7617.6	7537.4	7551.9	7555.6	7524.6	7590.2	7568.4	7570.2	7522.8
7.5°	7551.9	7573.8	7500.9	7511.8	7513.7	7488.1	7544.6	7513.7	7502.7	7453.5
10°	7424.3	7437.1	7371.4	7398.8	7424.3	7400.6	7449.8	7415.2	7415.2	7371.4
12.5°	7221.9	7245.6	7172.7	7205.5	7227.4	7200.1	7256.6	7243.8	7245.6	7201.9
15°	6853.6	6771.6	6859.1	6924.7	6926.6	6921.1	6974.0	6961.2	6970.3	6904.7
17.5°	5063.2	5043.1	5145.2	5920.1	6496.3	6574.7	6583.8	6514.5	6483.5	6419.7
20°	4691.2	4705.8	4684.0	4687.6	5141.6	6084.2	6027.7	5856.3	5777.9	5714.1
22.5°	4419.6	4395.9	4381.3	4372.2	4384.9	4999.4	5406.0	5147.1	5105.1	5074.1
25°	4124.2	4113.3	4095.0	4091.4	4084.1	3980.2	4565.4	4589.1	4521.7	4483.4
27.5°	3848.9	3841.6	3821.6	3819.7	3735.9	3484.2	3548.1	4111.5	4093.2	4078.6
30°	3555.4	3540.8	3529.8	3529.8	3276.4	3017.5	2913.6	3584.5	3584.5	3571.8
32.5°	3236.3	3223.5	3227.2	3183.4	2880.8	2643.7	2479.6	3094.1	3285.5	3274.6
35°	1978.2	1974.6	2344.7	2831.5	2476.0	2260.8	2249.9	2647.4	2926.3	2955.5
37.5°	1761.3	1750.3	1755.8	1786.8	2120.5	2034.8	2031.1	2098.6	2490.6	2505.2
40°	1580.8	1573.5	1568.0	1456.8	1351.0	1816.0	1803.2	1759.4	2127.7	2153.3
42.5°	1409.4	1402.1	1402.1	1245.3	1073.9	1493.2	1498.7	1447.7	1794.1	1803.2
45°	1232.5	1227.1	1196.1	993.7	944.4	991.9	1241.6	1183.3	1424.0	1518.8
47.5°	581.6	578.0	836.9	825.9	822.3	793.1	948.1	980.9	1130.4	1225.2
50°	466.8	463.1	441.2	388.4	676.4	601.7	683.7	754.8	802.2	889.8
52.5°	386.5	382.9	337.3	299.0	375.6	439.4	408.4	505.0	503.2	598.0
55°	253.4	235.2	258.9	244.3	196.9	319.1	311.8	382.9	373.8	455.8
57.5°	5.5	5.5	12.8	138.6	124.0	134.9	178.7	218.8	246.1	269.8
60°	1.8	1.8	3.6	7.3	51.1	56.5	69.3	80.2	113.0	140.4
62.5°	0.0	0.0	1.8	3.6	7.3	29.2	32.8	38.3	52.9	72.9
65°	0.0	0.0	0.0	1.8	3.6	7.3	10.9	23.7	32.8	41.9
67.5°	0.0	0.0	0.0	1.8	1.8	3.6	7.3	10.9	14.6	29.2
70°	0.0	0.0	0.0	1.8	1.8	3.6	5.5	7.3	10.9	14.6
72.5°	0.0	0.0	0.0	1.8	1.8	5.5	3.6	5.5	7.3	9.1
75°	0.0	0.0	0.0	1.8	1.8	1.8	3.6	5.5	5.5	7.3
77.5°	0.0	0.0	0.0	1.8	3.6	3.6	3.6	3.6	3.6	5.5
80°	0.0	0.0	0.0	1.8	1.8	3.6	5.5	7.3	3.6	3.6
82.5°	0.0	0.0	0.0	3.6	1.8	7.3	10.9	9.1	3.6	1.8
85°	0.0	0.0	0.0	1.8	7.3	9.1	9.1	5.5	1.8	1.8
87.5°	0.0	0.0	0.0	1.8	1.8	3.6	5.5	5.5	1.8	1.8
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°
7610.3	0°	7610.3	7610.3	7610.3	7610.3	7610.3	7610.3	7610.3	7610.3	7610.3
7582.9	2.5°	7541.0	7612.1	7675.9	7635.8	7621.2	7592.1	7570.2	7546.5	7544.6
7517.3	5°	7475.4	7542.8	7604.8	7557.4	7561.1	7546.5	7531.9	7526.4	7530.1
7449.8	7.5°	7418.8	7475.4	7542.8	7502.7	7513.7	7504.5	7497.2	7486.3	7502.7
7362.3	10°	7333.2	7384.2	7462.6	7424.3	7418.8	7409.7	7402.4	7382.4	7391.5
7203.7	12.5°	7145.4	7209.2	7298.5	7254.8	7269.3	7243.8	7232.9	7220.1	7221.9
6928.4	15°	6890.1	6939.3	7030.5	6995.8	7006.8	6990.4	6990.4	6990.4	7003.1
6428.8	17.5°	6445.2	6545.5	6689.5	6645.8	6662.2	6665.8	6662.2	6675.0	6691.4
5717.7	20°	5721.4	5892.8	6155.3	6241.0	6275.7	6277.5	6252.0	6283.0	6315.8
5052.3	22.5°	5055.9	5236.4	5468.0	5703.2	5849.0	5841.7	5845.4	5865.4	5900.1
4459.7	25°	4479.7	4653.0	4862.6	5072.3	5391.4	5457.0	5458.8	5477.1	5504.4
4054.9	27.5°	4064.0	4131.5	4322.9	4534.4	4877.2	5086.9	5076.0	5092.4	5121.5
3548.1	30°	3562.6	3821.6	3865.3	3994.8	4290.1	4674.8	4676.7	4694.9	4724.1
3249.0	32.5°	3239.9	3411.3	3546.2	3549.9	3801.5	4197.1	4275.5	4293.8	4313.8
2939.1	35°	2937.3	2957.3	3139.7	3190.7	3336.6	3728.6	3867.1	3878.1	3910.9
2499.7	37.5°	2541.6	2660.1	2711.2	2893.5	2900.8	3218.1	3493.4	3482.4	3508.0
2151.4	40°	2178.8	2291.8	2421.3	2554.4	2572.6	2809.6	3114.1	3125.1	3136.0
1785.0	42.5°	1799.6	1943.6	2076.7	2166.0	2290.0	2426.8	2716.7	2767.7	2793.2
1529.7	45°	1557.1	1597.2	1755.8	1887.1	2012.9	2076.7	2348.4	2441.3	2457.8
1210.6	47.5°	1227.1	1362.0	1469.5	1580.8	1737.6	1794.1	1991.0	2120.5	2133.2
898.9	50°	948.1	1044.7	1192.4	1292.7	1475.0	1506.0	1640.9	1808.7	1825.1
601.7	52.5°	678.3	809.5	953.6	1050.2	1225.2	1265.3	1365.6	1526.1	1537.0
461.3	55°	486.8	572.5	691.0	829.6	957.2	1046.6	1115.8	1269.0	1283.6
302.7	57.5°	331.8	412.1	461.3	599.9	676.4	773.1	829.6	946.3	957.2
144.0	60°	158.6	196.9	235.2	304.5	353.7	435.8	472.2	519.6	532.4
87.5	62.5°	102.1	120.3	153.2	182.3	229.7	280.8	295.4	335.5	350.1
54.7	65°	67.5	85.7	120.3	127.6	175.0	215.1	233.4	262.5	279.0
32.8	67.5°	38.3	60.2	89.3	105.7	138.6	176.9	196.9	222.4	237.0
21.9	70°	25.5	49.2	71.1	87.5	109.4	142.2	167.7	189.6	198.7
10.9	72.5°	14.6	31.0	49.2	69.3	87.5	118.5	142.2	160.4	105.7
7.3	75°	9.1	23.7	41.9	58.3	72.9	94.8	114.9	113.0	47.4
5.5	77.5°	7.3	18.2	36.5	49.2	60.2	65.6	82.0	93.0	36.5
3.6	80°	5.5	14.6	32.8	41.9	23.7	47.4	63.8	69.3	25.5
3.6	82.5°	3.6	9.1	27.3	29.2	16.4	34.6	51.1	45.6	18.2
1.8	85°	1.8	5.5	9.1	16.4	14.6	16.4	12.8	18.2	12.8
1.8	87.5°	1.8	3.6	7.3	7.3	7.3	5.5	7.3	7.3	7.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
7610.3
7588.4
7575.6
7548.3
7435.3
7274.8
7008.6
6746.1
6337.7
5905.5
5551.8
5148.9
4775.1
4359.4
3945.5
3538.9
3170.6
2829.7
2497.9
2164.2
1848.8
1557.1
1296.3
979.1
547.0
353.7
279.0
235.2
196.9
85.7
47.4
36.5
27.3
18.2
12.8
7.3
0.0

(END OF REPORT)