

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: P636593

Luminaire Tested: **IFLD-S-SA2B-930-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636593  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-930-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (32) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5818.2 lumens  
Efficiency: N/A  
Efficacy: 70.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G0

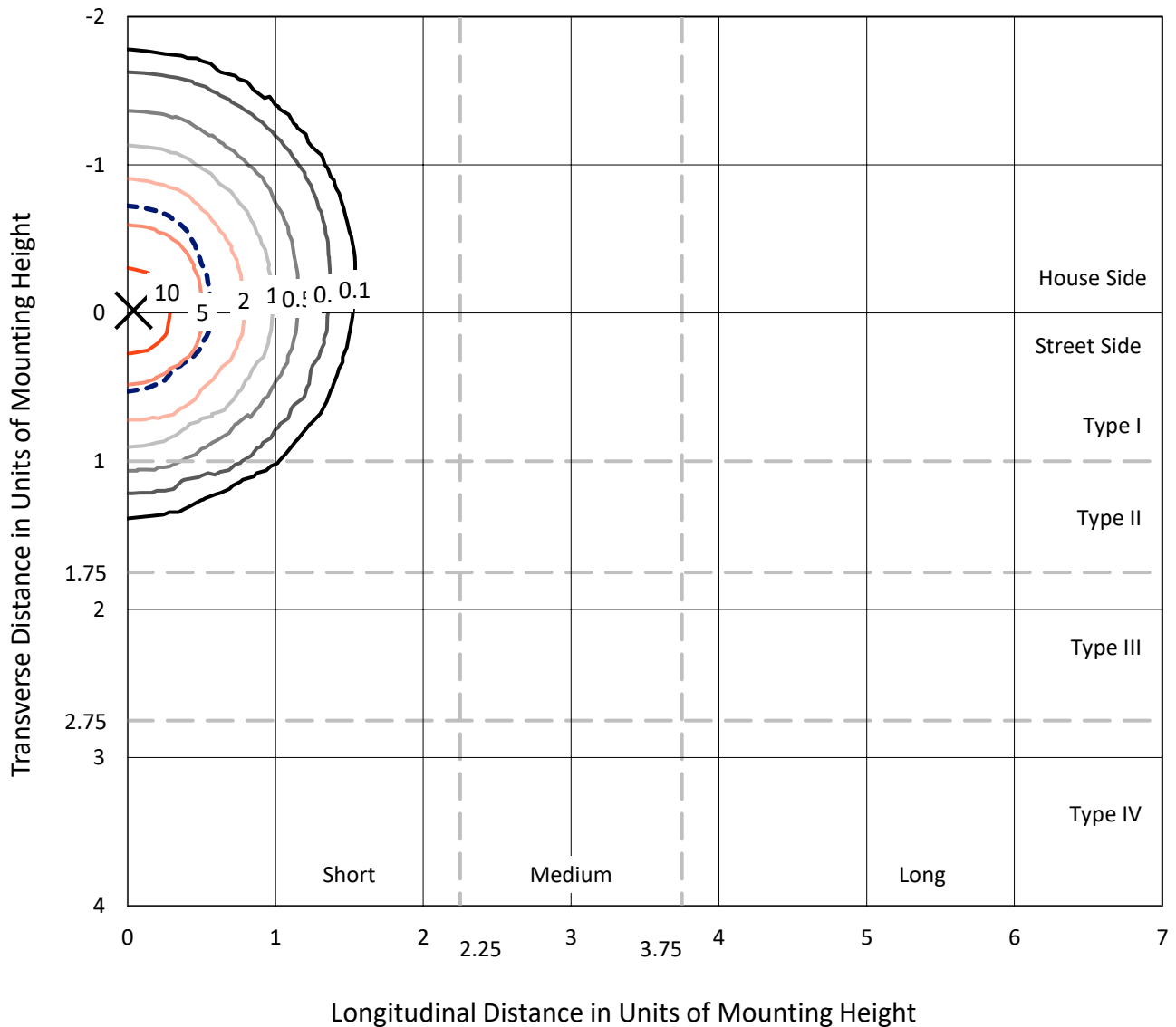
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

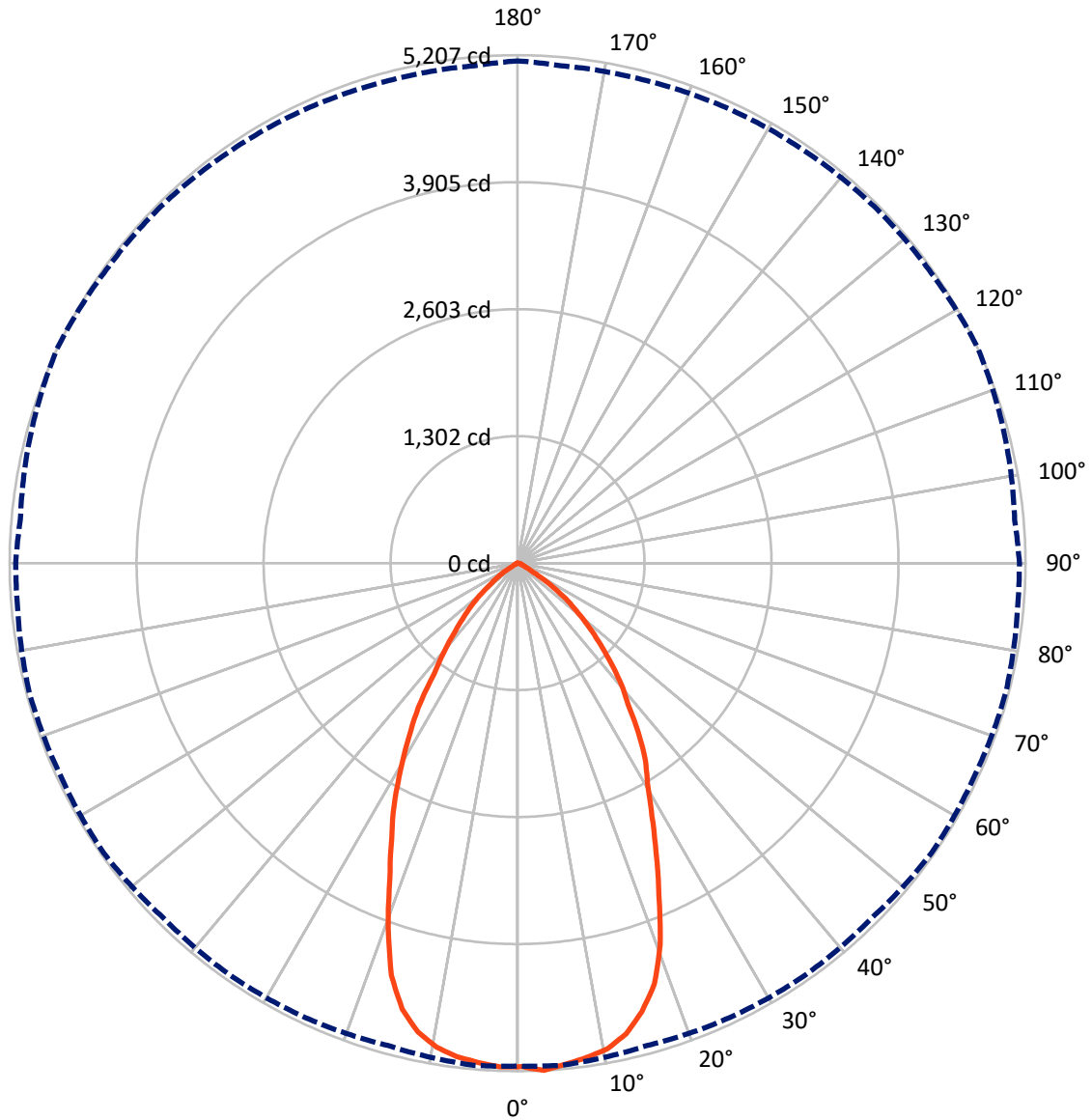
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.9 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	3329.7	0.0	3329.7
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	2488.5	0.0	2488.5
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	5818.2	0.0	5818.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	486.2	8.4
10°-20°	1289.2	22.2
20°-30°	1474.6	25.3
30°-40°	1263.7	21.7
40°-50°	835.6	14.4
50°-60°	364.6	6.3
60°-70°	71.6	1.2
70°-80°	25.8	0.4
80°-90°	6.9	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°	5818.2	100.0
0°-180°	5818.2	100.0



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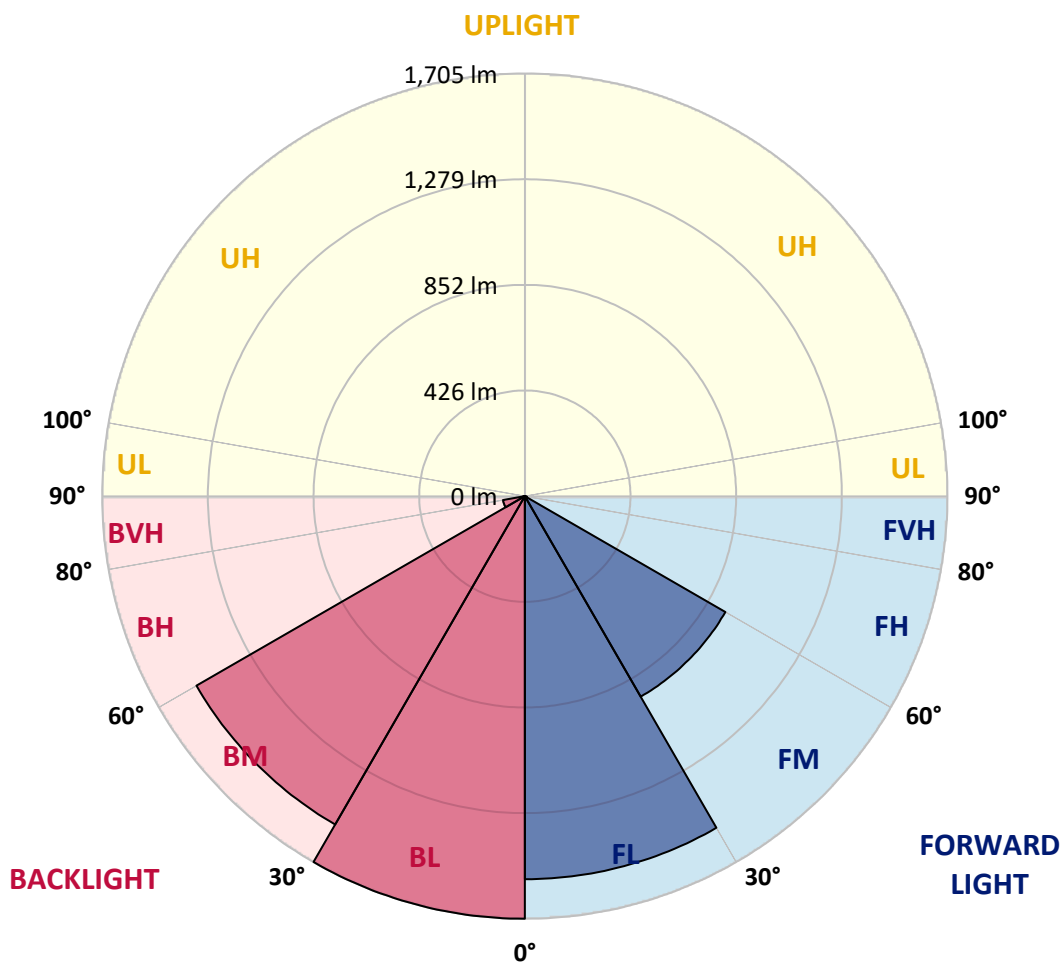
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1545.2	26.6			
FM (30°-60°)	934.3	16.1			
FH (60°-80°)	7.9	0.1			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	1704.8	29.3	B3/2500		
BM (30°-60°)	1529.6	26.3	B2/2500		
BH (60°-80°)	89.6	1.5	B0/110		G0/110
BVH (80°-90°)	5.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2
2.5°	5154.8	5167.2	5120.2	5141.2	5149.8	5138.7	5179.5	5167.2	5177.1	5146.1
5°	5154.8	5167.2	5112.7	5122.6	5125.1	5104.1	5148.6	5133.8	5135.0	5102.8
7.5°	5122.6	5137.5	5088.0	5095.4	5096.7	5079.4	5117.7	5096.7	5089.2	5055.9
10°	5036.1	5044.7	5000.2	5018.7	5036.1	5020.0	5053.4	5029.9	5029.9	5000.2
12.5°	4898.8	4914.9	4865.4	4887.7	4902.5	4883.9	4922.3	4913.6	4914.9	4885.2
15°	4649.0	4593.3	4652.7	4697.2	4698.4	4694.7	4730.6	4721.9	4728.1	4683.6
17.5°	3434.5	3420.9	3490.1	4015.7	4406.6	4459.7	4465.9	4418.9	4397.9	4354.6
20°	3182.2	3192.1	3177.2	3179.7	3487.6	4127.0	4088.7	3972.5	3919.3	3876.0
22.5°	2997.9	2981.8	2971.9	2965.7	2974.4	3391.2	3667.0	3491.4	3462.9	3441.9
25°	2797.5	2790.1	2777.8	2775.3	2770.3	2699.8	3096.8	3112.9	3067.2	3041.2
27.5°	2610.8	2605.8	2592.2	2591.0	2534.1	2363.4	2406.7	2788.9	2776.5	2766.6
30°	2411.7	2401.8	2394.4	2394.4	2222.4	2046.8	1976.3	2431.5	2431.5	2422.8
32.5°	2195.2	2186.6	2189.1	2159.4	1954.1	1793.3	1682.0	2098.8	2228.6	2221.2
35°	1341.9	1339.4	1590.5	1920.7	1679.5	1533.6	1526.2	1795.8	1985.0	2004.8
37.5°	1194.7	1187.3	1191.0	1212.0	1438.3	1380.2	1377.7	1423.5	1689.4	1699.3
40°	1072.3	1067.3	1063.6	988.2	916.4	1231.8	1223.2	1193.5	1443.3	1460.6
42.5°	956.0	951.1	951.1	844.7	728.4	1012.9	1016.6	982.0	1217.0	1223.2
45°	836.0	832.3	811.3	674.0	640.6	672.8	842.2	802.7	965.9	1030.2
47.5°	394.5	392.1	567.7	560.2	557.8	538.0	643.1	665.4	766.8	831.1
50°	316.6	314.1	299.3	263.4	458.8	408.1	463.8	512.0	544.2	603.5
52.5°	262.2	259.7	228.8	202.8	254.8	298.1	277.0	342.6	341.3	405.7
55°	171.9	159.5	175.6	165.7	133.6	216.4	211.5	259.7	253.5	309.2
57.5°	3.7	3.7	8.7	94.0	84.1	91.5	121.2	148.4	167.0	183.0
60°	1.2	1.2	2.5	4.9	34.6	38.3	47.0	54.4	76.7	95.2
62.5°	0.0	0.0	1.2	2.5	4.9	19.8	22.3	26.0	35.9	49.5
65°	0.0	0.0	0.0	1.2	2.5	4.9	7.4	16.1	22.3	28.4
67.5°	0.0	0.0	0.0	1.2	1.2	2.5	4.9	7.4	9.9	19.8
70°	0.0	0.0	0.0	1.2	1.2	2.5	3.7	4.9	7.4	9.9
72.5°	0.0	0.0	0.0	1.2	1.2	3.7	2.5	3.7	4.9	6.2
75°	0.0	0.0	0.0	1.2	1.2	1.2	2.5	3.7	3.7	4.9
77.5°	0.0	0.0	0.0	1.2	2.5	2.5	2.5	2.5	2.5	3.7
80°	0.0	0.0	0.0	1.2	1.2	2.5	3.7	4.9	2.5	2.5
82.5°	0.0	0.0	0.0	2.5	1.2	4.9	7.4	6.2	2.5	1.2
85°	0.0	0.0	0.0	1.2	4.9	6.2	6.2	3.7	1.2	1.2
87.5°	0.0	0.0	0.0	1.2	1.2	2.5	3.7	3.7	1.2	1.2
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°
5162.2	0°	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2
5143.7	2.5°	5115.2	5163.5	5206.7	5179.5	5169.6	5149.8	5135.0	5118.9	5117.7
5099.1	5°	5070.7	5116.5	5158.5	5126.3	5128.8	5118.9	5109.0	5105.3	5107.8
5053.4	7.5°	5032.4	5070.7	5116.5	5089.2	5096.7	5090.5	5085.5	5078.1	5089.2
4994.0	10°	4974.2	5008.9	5062.0	5036.1	5032.4	5026.2	5021.2	5007.6	5013.8
4886.4	12.5°	4846.8	4890.1	4950.7	4921.0	4930.9	4913.6	4906.2	4897.5	4898.8
4699.7	15°	4673.7	4707.1	4768.9	4745.4	4752.8	4741.7	4741.7	4741.7	4750.4
4360.8	17.5°	4371.9	4439.9	4537.7	4508.0	4519.1	4521.6	4519.1	4527.8	4538.9
3878.5	20°	3880.9	3997.2	4175.3	4233.4	4256.9	4258.1	4240.8	4261.9	4284.1
3427.0	22.5°	3429.5	3552.0	3709.0	3868.6	3967.5	3962.6	3965.0	3978.6	4002.1
3025.1	25°	3038.7	3156.2	3298.4	3440.7	3657.1	3701.6	3702.8	3715.2	3733.8
2750.5	27.5°	2756.7	2802.5	2932.3	3075.8	3308.3	3450.5	3443.1	3454.3	3474.0
2406.7	30°	2416.6	2592.2	2621.9	2709.7	2910.1	3171.0	3172.3	3184.6	3204.4
2203.9	32.5°	2197.7	2314.0	2405.5	2408.0	2578.6	2847.0	2900.2	2912.6	2926.2
1993.6	35°	1992.4	2006.0	2129.7	2164.3	2263.3	2529.2	2623.2	2630.6	2652.8
1695.6	37.5°	1724.0	1804.4	1839.1	1962.7	1967.7	2182.9	2369.6	2362.2	2379.5
1459.4	40°	1477.9	1554.6	1642.4	1732.7	1745.1	1905.8	2112.4	2119.8	2127.2
1210.8	42.5°	1220.7	1318.4	1408.7	1469.3	1553.4	1646.1	1842.8	1877.4	1894.7
1037.6	45°	1056.2	1083.4	1191.0	1280.0	1365.4	1408.7	1592.9	1656.0	1667.1
821.2	47.5°	832.3	923.9	996.8	1072.3	1178.6	1217.0	1350.5	1438.3	1447.0
609.7	50°	643.1	708.7	808.8	876.9	1000.5	1021.6	1113.1	1226.9	1238.0
408.1	52.5°	460.1	549.1	646.8	712.4	831.1	858.3	926.3	1035.2	1042.6
312.9	55°	330.2	388.3	468.7	562.7	649.3	709.9	756.9	860.8	870.7
205.3	57.5°	225.1	279.5	312.9	406.9	458.8	524.4	562.7	641.9	649.3
97.7	60°	107.6	133.6	159.5	206.5	239.9	295.6	320.3	352.5	361.1
59.4	62.5°	69.3	81.6	103.9	123.7	155.8	190.5	200.4	227.6	237.5
37.1	65°	45.8	58.1	81.6	86.6	118.7	145.9	158.3	178.1	189.2
22.3	67.5°	26.0	40.8	60.6	71.7	94.0	120.0	133.6	150.9	160.8
14.8	70°	17.3	33.4	48.2	59.4	74.2	96.5	113.8	128.6	134.8
7.4	72.5°	9.9	21.0	33.4	47.0	59.4	80.4	96.5	108.8	71.7
4.9	75°	6.2	16.1	28.4	39.6	49.5	64.3	77.9	76.7	32.2
3.7	77.5°	4.9	12.4	24.7	33.4	40.8	44.5	55.7	63.1	24.7
2.5	80°	3.7	9.9	22.3	28.4	16.1	32.2	43.3	47.0	17.3
2.5	82.5°	2.5	6.2	18.6	19.8	11.1	23.5	34.6	30.9	12.4
1.2	85°	1.2	3.7	6.2	11.1	9.9	11.1	8.7	12.4	8.7
1.2	87.5°	1.2	2.5	4.9	4.9	4.9	3.7	4.9	4.9	4.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
5162.2  
*5147.4*  
5138.7  
5120.2  
5043.5  
4934.7  
4754.1  
4576.0  
4299.0  
4005.8  
3765.9  
3492.6  
3239.1  
2957.1  
2676.3  
2400.5  
2150.7  
1919.4  
1694.4  
1468.0  
1254.1  
1056.2  
879.3  
664.1  
371.0  
239.9  
189.2  
159.5  
133.6  
58.1  
32.2  
24.7  
18.6  
12.4  
8.7  
4.9  
0.0

(END OF REPORT)