

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: P636594

Luminaire Tested: **IFLD-S-SA2C-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636594
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-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: 7242.8 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

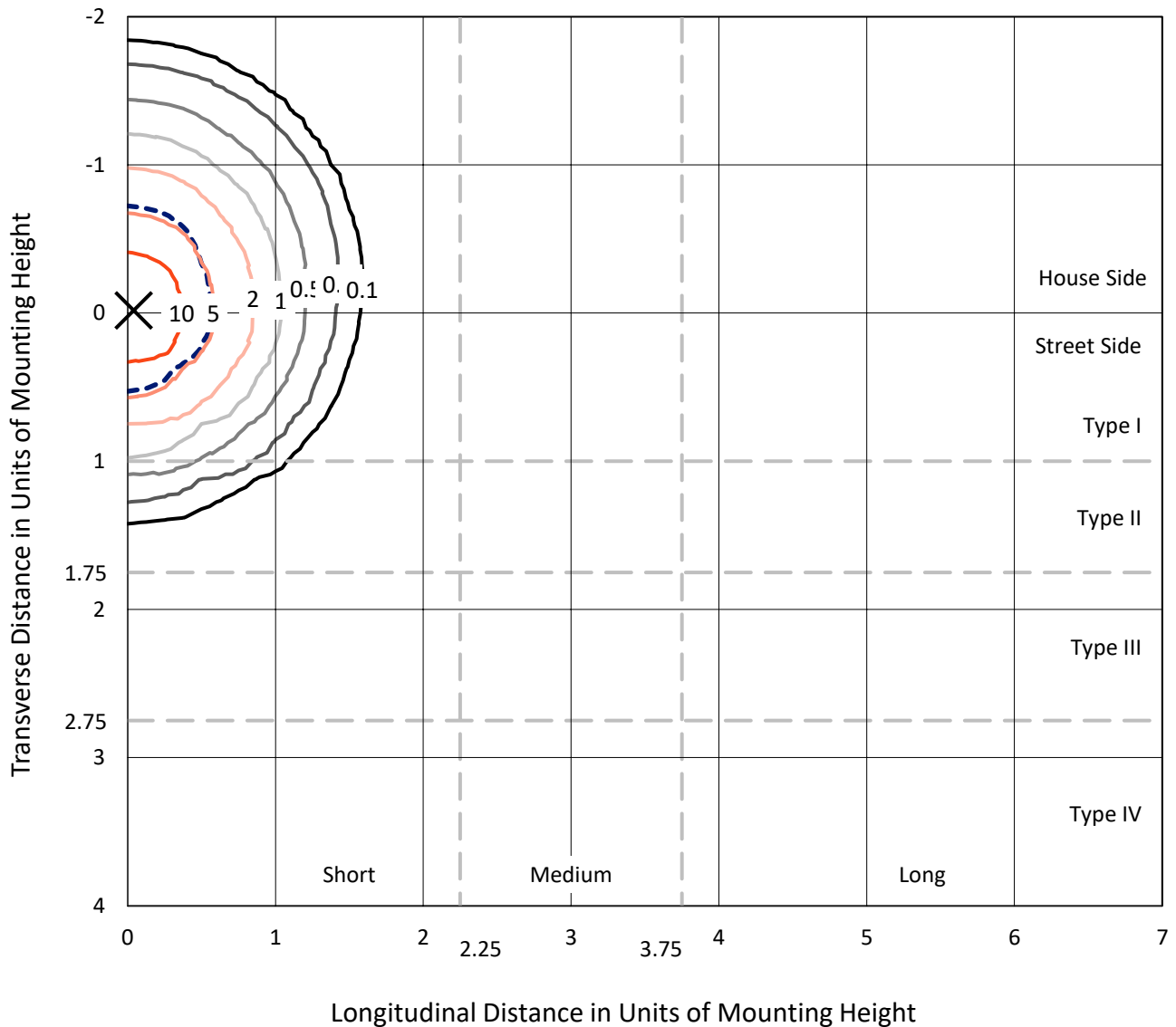
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

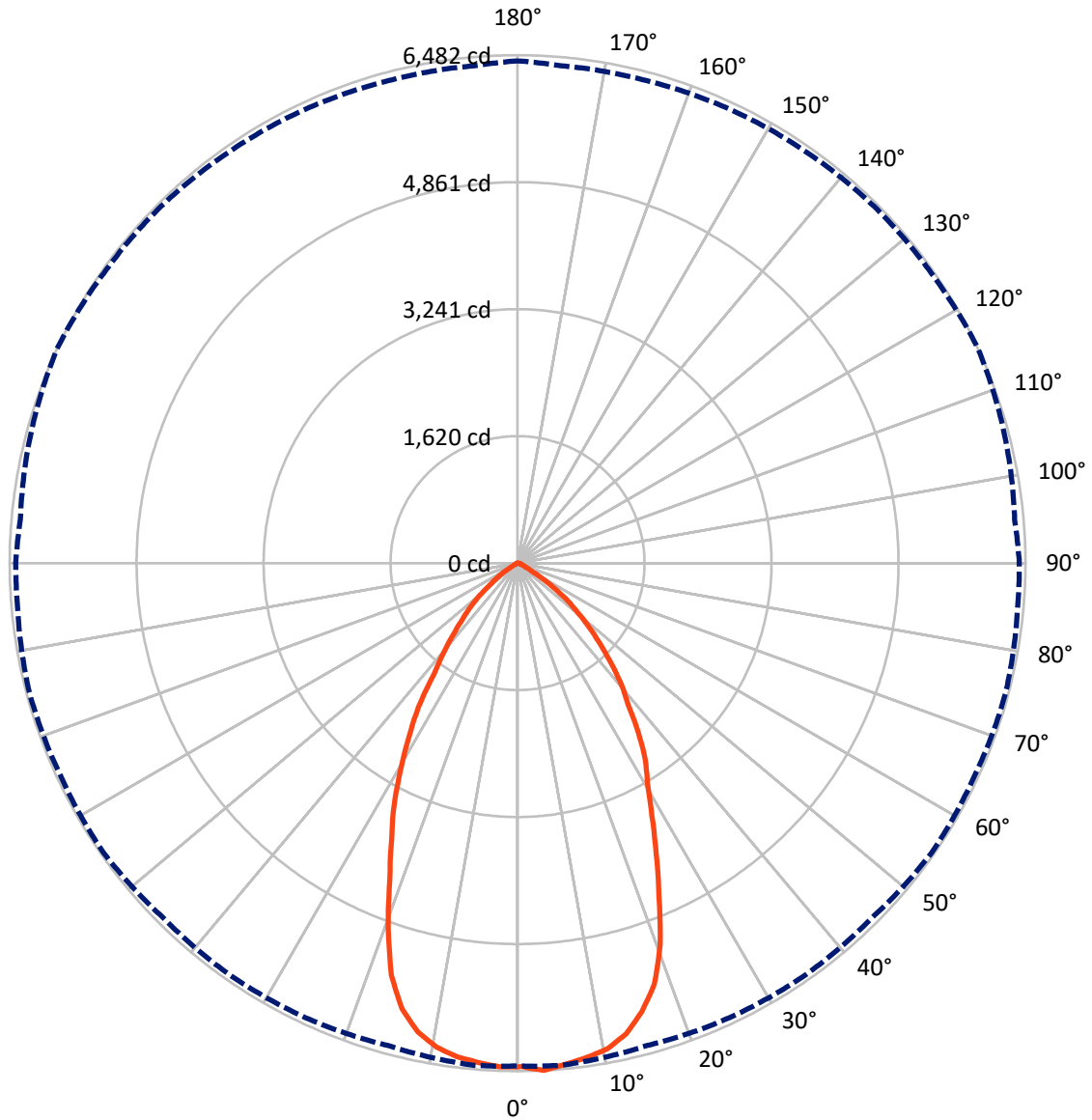
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 16.1 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	4145.0	0.0	4145.0
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	3097.8	0.0	3097.8
	% Fixture	42.8	0.0	42.8
Total	Lumens	7242.8	0.0	7242.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.3	8.4
10°-20°	1604.9	22.2
20°-30°	1835.6	25.3
30°-40°	1573.1	21.7
40°-50°	1040.2	14.4
50°-60°	453.9	6.3
60°-70°	89.2	1.2
70°-80°	32.2	0.4
80°-90°	8.6	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°	7242.8	100.0
0°-180°	7242.8	100.0



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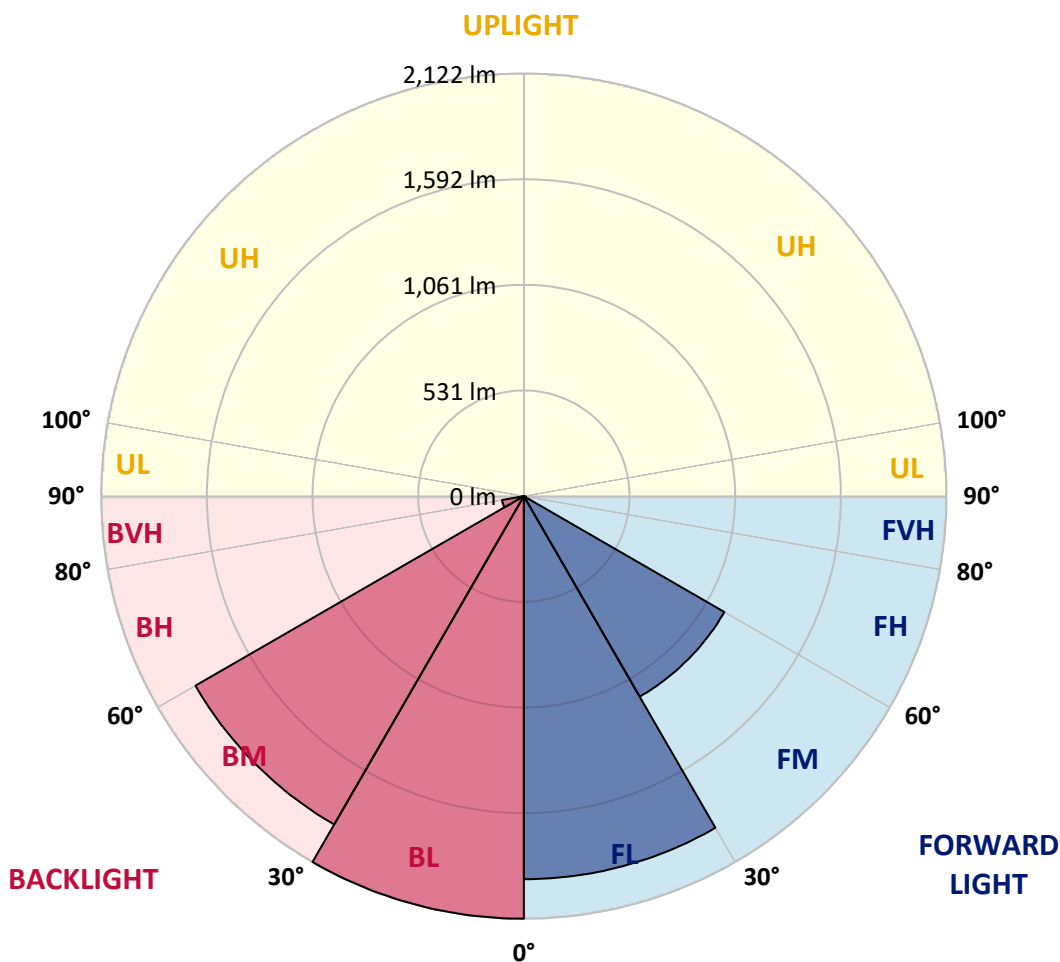
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1923.5	26.6			
FM (30°-60°)	1163.0	16.1			
FH (60°-80°)	9.8	0.1			G0/660
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	2122.2	29.3	B3/2500		
BM (30°-60°)	1904.1	26.3	B2/2500		
BH (60°-80°)	111.5	1.5	B1/500		G1/500
BVH (80°-90°)	7.1	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-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6426.2	6426.2	6426.2	6426.2	6426.2	6426.2	6426.2	6426.2	6426.2	6426.2
2.5°	6416.9	6432.3	6373.8	6400.0	6410.8	6396.9	6447.7	6432.3	6444.7	6406.2
5°	6416.9	6432.3	6364.6	6376.9	6380.0	6353.8	6409.2	6390.8	6392.3	6352.3
7.5°	6376.9	6395.4	6333.8	6343.0	6344.6	6323.0	6370.8	6344.6	6335.3	6293.8
10°	6269.1	6279.9	6224.5	6247.6	6269.1	6249.1	6290.7	6261.4	6261.4	6224.5
12.5°	6098.2	6118.3	6056.7	6084.4	6102.9	6079.8	6127.5	6116.7	6118.3	6081.3
15°	5787.3	5718.0	5791.9	5847.3	5848.8	5844.2	5888.9	5878.1	5885.8	5830.4
17.5°	4275.4	4258.5	4344.7	4999.0	5485.5	5551.7	5559.4	5500.9	5474.7	5420.8
20°	3961.3	3973.6	3955.2	3958.2	4341.6	5137.6	5089.8	4945.1	4878.9	4825.0
22.5°	3731.9	3711.9	3699.6	3691.9	3702.7	4221.5	4564.8	4346.2	4310.8	4284.6
25°	3482.5	3473.3	3457.9	3454.8	3448.6	3360.9	3855.1	3875.1	3818.1	3785.8
27.5°	3250.0	3243.9	3226.9	3225.4	3154.6	2942.1	2996.0	3471.7	3456.3	3444.0
30°	3002.2	2989.9	2980.6	2980.6	2766.6	2548.0	2460.2	3026.8	3026.8	3016.0
32.5°	2732.7	2722.0	2725.0	2688.1	2432.5	2232.4	2093.8	2612.7	2774.3	2765.1
35°	1670.4	1667.4	1979.9	2391.0	2090.7	1909.1	1899.8	2235.5	2471.0	2495.6
37.5°	1487.2	1478.0	1482.6	1508.8	1790.5	1718.2	1715.1	1772.0	2103.1	2115.4
40°	1334.8	1328.7	1324.0	1230.1	1140.8	1533.4	1522.6	1485.7	1796.7	1818.2
42.5°	1190.1	1183.9	1183.9	1051.5	906.8	1260.9	1265.5	1222.4	1514.9	1522.6
45°	1040.8	1036.1	1010.0	839.1	797.5	837.5	1048.4	999.2	1202.4	1282.5
47.5°	491.1	488.0	706.7	697.4	694.3	669.7	800.6	828.3	954.5	1034.6
50°	394.1	391.1	372.6	327.9	571.2	508.1	577.3	637.4	677.4	751.3
52.5°	326.4	323.3	284.8	252.5	317.2	371.0	344.9	426.5	424.9	505.0
55°	214.0	198.6	218.6	206.3	166.3	269.4	263.3	323.3	315.6	384.9
57.5°	4.6	4.6	10.8	117.0	104.7	113.9	150.9	184.7	207.8	227.9
60°	1.5	1.5	3.1	6.2	43.1	47.7	58.5	67.7	95.5	118.5
62.5°	0.0	0.0	1.5	3.1	6.2	24.6	27.7	32.3	44.6	61.6
65°	0.0	0.0	0.0	1.5	3.1	6.2	9.2	20.0	27.7	35.4
67.5°	0.0	0.0	0.0	1.5	1.5	3.1	6.2	9.2	12.3	24.6
70°	0.0	0.0	0.0	1.5	1.5	3.1	4.6	6.2	9.2	12.3
72.5°	0.0	0.0	0.0	1.5	1.5	4.6	3.1	4.6	6.2	7.7
75°	0.0	0.0	0.0	1.5	1.5	1.5	3.1	4.6	4.6	6.2
77.5°	0.0	0.0	0.0	1.5	3.1	3.1	3.1	3.1	3.1	4.6
80°	0.0	0.0	0.0	1.5	1.5	3.1	4.6	6.2	3.1	3.1
82.5°	0.0	0.0	0.0	3.1	1.5	6.2	9.2	7.7	3.1	1.5
85°	0.0	0.0	0.0	1.5	6.2	7.7	7.7	4.6	1.5	1.5
87.5°	0.0	0.0	0.0	1.5	1.5	3.1	4.6	4.6	1.5	1.5
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°
6426.2	0°	6426.2	6426.2	6426.2	6426.2	6426.2	6426.2	6426.2	6426.2	6426.2
6403.1	2.5°	6367.7	6427.7	6481.6	6447.7	6435.4	6410.8	6392.3	6372.3	6370.8
6347.7	5°	6312.2	6369.2	6421.6	6381.5	6384.6	6372.3	6360.0	6355.4	6358.4
6290.7	7.5°	6264.5	6312.2	6369.2	6335.3	6344.6	6336.9	6330.7	6321.5	6335.3
6216.8	10°	6192.2	6235.3	6301.5	6269.1	6264.5	6256.8	6250.7	6233.7	6241.4
6082.9	12.5°	6033.6	6087.5	6162.9	6126.0	6138.3	6116.7	6107.5	6096.7	6098.2
5850.4	15°	5818.0	5859.6	5936.6	5907.3	5916.6	5902.7	5902.7	5902.7	5913.5
5428.5	17.5°	5442.4	5527.1	5648.7	5611.7	5625.6	5628.7	5625.6	5636.4	5650.2
4828.1	20°	4831.2	4975.9	5197.6	5270.0	5299.2	5300.7	5279.2	5305.4	5333.1
4266.2	22.5°	4269.2	4421.7	4617.2	4815.8	4938.9	4932.8	4935.9	4952.8	4982.1
3765.8	25°	3782.7	3929.0	4106.0	4283.1	4552.5	4607.9	4609.5	4624.9	4648.0
3424.0	27.5°	3431.7	3488.7	3650.3	3828.9	4118.4	4295.4	4286.2	4300.0	4324.7
2996.0	30°	3008.3	3226.9	3263.9	3373.2	3622.6	3947.5	3949.0	3964.4	3989.0
2743.5	32.5°	2735.8	2880.5	2994.5	2997.5	3210.0	3544.1	3610.3	3625.7	3642.6
2481.8	35°	2480.3	2497.2	2651.1	2694.3	2817.4	3148.4	3265.4	3274.7	3302.4
2110.8	37.5°	2146.2	2246.2	2289.3	2443.3	2449.5	2717.3	2949.8	2940.6	2962.1
1816.7	40°	1839.8	1935.2	2044.6	2156.9	2172.3	2372.5	2629.6	2638.8	2648.1
1507.2	42.5°	1519.6	1641.2	1753.6	1829.0	1933.7	2049.2	2294.0	2337.1	2358.6
1291.7	45°	1314.8	1348.7	1482.6	1593.5	1699.7	1753.6	1983.0	2061.5	2075.3
1022.3	47.5°	1036.1	1150.1	1240.9	1334.8	1467.2	1514.9	1681.2	1790.5	1801.3
759.0	50°	800.6	882.2	1006.9	1091.6	1245.5	1271.7	1385.6	1527.3	1541.1
508.1	52.5°	572.7	683.6	805.2	886.8	1034.6	1068.5	1153.1	1288.6	1297.9
389.5	55°	411.1	483.4	583.5	700.5	808.3	883.7	942.2	1071.5	1083.9
255.6	57.5°	280.2	347.9	389.5	506.5	571.2	652.8	700.5	799.0	808.3
121.6	60°	133.9	166.3	198.6	257.1	298.7	368.0	398.7	438.8	449.6
73.9	62.5°	86.2	101.6	129.3	154.0	194.0	237.1	249.4	283.3	295.6
46.2	65°	57.0	72.4	101.6	107.8	147.8	181.7	197.1	221.7	235.6
27.7	67.5°	32.3	50.8	75.4	89.3	117.0	149.3	166.3	187.8	200.1
18.5	70°	21.6	41.6	60.0	73.9	92.4	120.1	141.6	160.1	167.8
9.2	72.5°	12.3	26.2	41.6	58.5	73.9	100.1	120.1	135.5	89.3
6.2	75°	7.7	20.0	35.4	49.3	61.6	80.1	97.0	95.5	40.0
4.6	77.5°	6.2	15.4	30.8	41.6	50.8	55.4	69.3	78.5	30.8
3.1	80°	4.6	12.3	27.7	35.4	20.0	40.0	53.9	58.5	21.6
3.1	82.5°	3.1	7.7	23.1	24.6	13.9	29.3	43.1	38.5	15.4
1.5	85°	1.5	4.6	7.7	13.9	12.3	13.9	10.8	15.4	10.8
1.5	87.5°	1.5	3.1	6.2	6.2	6.2	4.6	6.2	6.2	6.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
6426.2
6407.7
6396.9
6373.8
6278.4
6142.9
5918.1
5696.4
5351.6
4986.7
4688.0
4347.8
4032.1
3681.1
3331.6
2988.3
2677.3
2389.4
2109.2
1827.5
1561.1
1314.8
1094.6
826.8
461.9
298.7
235.6
198.6
166.3
72.4
40.0
30.8
23.1
15.4
10.8
6.2
0.0

(END OF REPORT)