

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: P636615

Luminaire Tested: **IFLD-L-SA7D-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636615
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24856.6 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

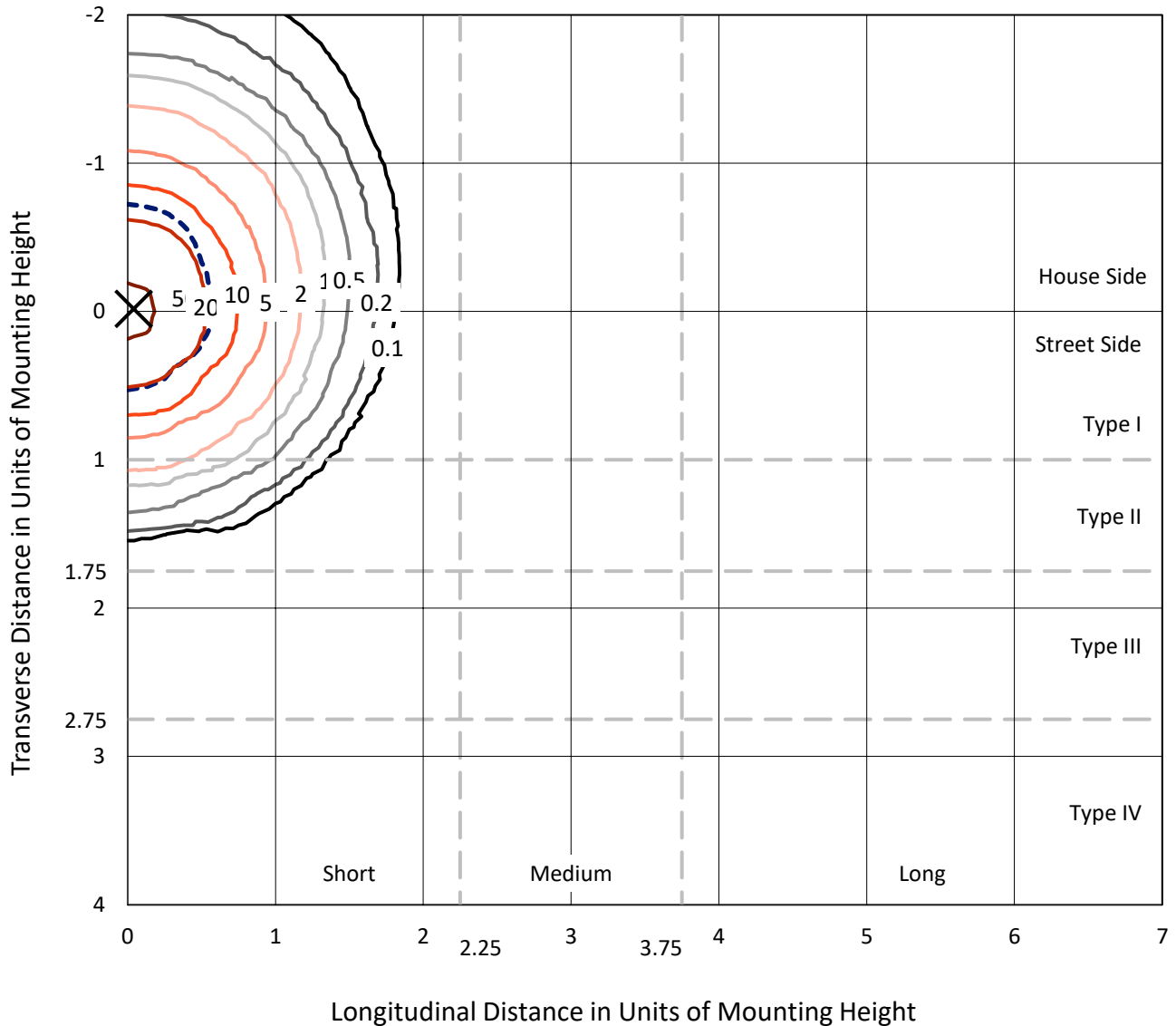
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

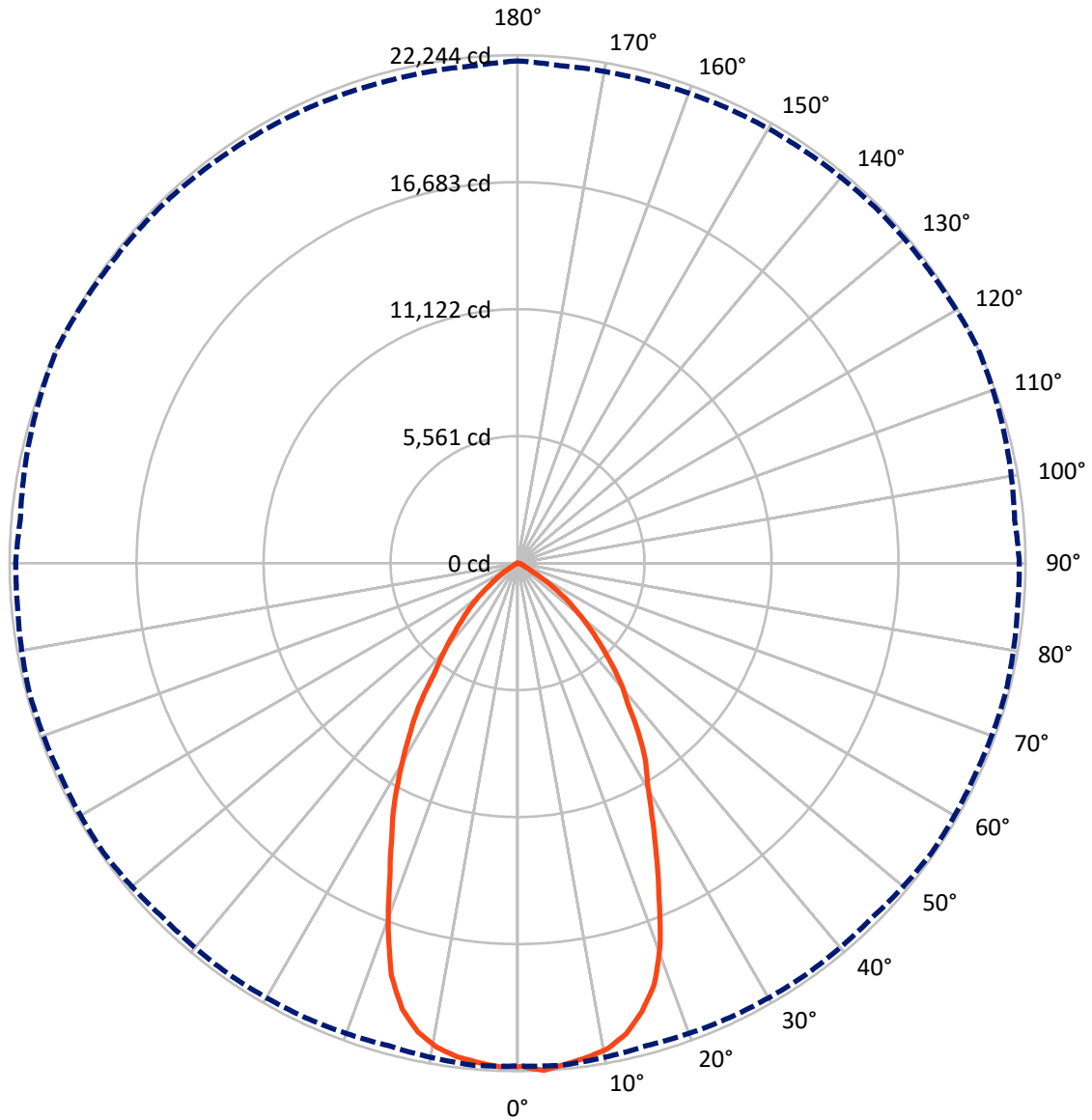
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 55.1 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	14225.1	0.0	14225.1
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	10631.5	0.0	10631.5
	% Fixture	42.8	0.0	42.8
Total	Lumens	24856.6	0.0	24856.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2077.2	8.4
10°-20°	5507.7	22.2
20°-30°	6299.7	25.3
30°-40°	5398.6	21.7
40°-50°	3569.8	14.4
50°-60°	1557.7	6.3
60°-70°	306.1	1.2
70°-80°	110.4	0.4
80°-90°	29.4	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°	24856.6	100.0
0°-180°	24856.6	100.0



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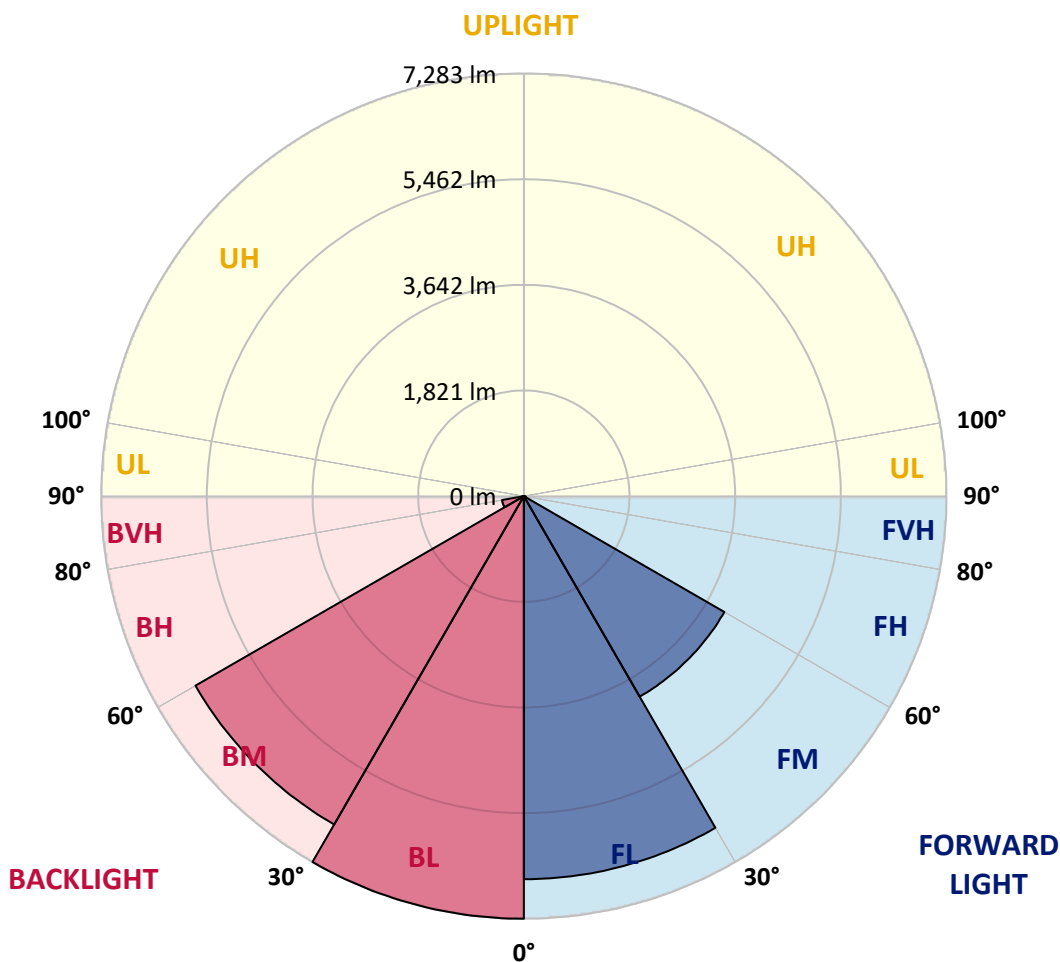
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6601.4	26.6			
FM (30°-60°)	3991.4	16.1			
FH (60°-80°)	33.8	0.1			G0/660
FVH (80°-90°)	4.9	0.0			G0/10
BL (0°-30°)	7283.2	29.3	B5		
BM (30°-60°)	6534.7	26.3	B4/8500		
BH (60°-80°)	382.7	1.5	B1/500		G1/500
BVH (80°-90°)	24.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	22054.0	22054.0	22054.0	22054.0	22054.0	22054.0	22054.0	22054.0	22054.0	22054.0
2.5°	22022.3	22075.2	21874.4	21964.2	22001.2	21953.7	22128.0	22075.2	22117.4	21985.4
5°	22022.3	22075.2	21842.7	21885.0	21895.5	21805.7	21995.9	21932.5	21937.8	21800.4
7.5°	21885.0	21948.4	21737.0	21768.7	21774.0	21700.0	21863.8	21774.0	21742.3	21599.6
10°	21515.1	21552.1	21361.9	21441.1	21515.1	21446.4	21589.1	21488.7	21488.7	21361.9
12.5°	20928.6	20997.3	20786.0	20881.1	20944.5	20865.2	21029.0	20992.0	20997.3	20870.5
15°	19861.3	19623.6	19877.2	20067.4	20072.7	20056.8	20210.0	20173.1	20199.5	20009.3
17.5°	14672.8	14614.6	14910.5	17156.1	18825.7	19052.9	19079.3	18878.6	18788.7	18603.8
20°	13594.9	13637.2	13573.8	13584.3	14900.0	17631.6	17467.8	16971.2	16744.0	16559.0
22.5°	12807.6	12738.9	12696.7	12670.2	12707.2	14487.8	15666.1	14915.8	14794.3	14704.5
25°	11951.7	11920.0	11867.1	11856.6	11835.4	11534.3	13230.3	13299.0	13103.5	12992.5
27.5°	11153.8	11132.7	11074.6	11069.3	10826.2	10097.1	10282.0	11914.7	11861.8	11819.6
30°	10303.2	10260.9	10229.2	10229.2	9494.8	8744.5	8443.3	10387.7	10387.7	10350.7
32.5°	9378.5	9341.5	9352.1	9225.3	8348.2	7661.3	7185.8	8966.4	9521.2	9489.5
35°	5732.8	5722.2	6794.8	8205.5	7175.2	6551.8	6520.0	7671.9	8480.3	8564.8
37.5°	5104.0	5072.3	5088.2	5178.0	6144.9	5896.6	5886.0	6081.5	7217.5	7259.8
40°	4580.9	4559.8	4544.0	4221.7	3915.2	5262.5	5225.6	5098.7	6166.0	6240.0
42.5°	4084.3	4063.1	4063.1	3608.7	3112.1	4327.3	4343.2	4195.2	5199.1	5225.6
45°	3571.8	3555.9	3466.1	2879.6	2736.9	2874.3	3598.2	3429.1	4126.5	4401.3
47.5°	1685.5	1674.9	2425.2	2393.5	2382.9	2298.4	2747.5	2842.6	3275.9	3550.6
50°	1352.6	1342.1	1278.6	1125.4	1960.2	1743.6	1981.4	2187.4	2324.8	2578.4
52.5°	1120.1	1109.6	977.5	866.5	1088.4	1273.4	1183.5	1463.6	1458.3	1733.0
55°	734.4	681.6	750.3	708.0	570.6	924.6	903.5	1109.6	1083.2	1320.9
57.5°	15.9	15.9	37.0	401.6	359.3	391.0	517.8	634.0	713.3	782.0
60°	5.3	5.3	10.6	21.1	147.9	163.8	200.8	232.5	327.6	406.8
62.5°	0.0	0.0	5.3	10.6	21.1	84.5	95.1	111.0	153.2	211.3
65°	0.0	0.0	0.0	5.3	10.6	21.1	31.7	68.7	95.1	121.5
67.5°	0.0	0.0	0.0	5.3	5.3	10.6	21.1	31.7	42.3	84.5
70°	0.0	0.0	0.0	5.3	5.3	10.6	15.9	21.1	31.7	42.3
72.5°	0.0	0.0	0.0	5.3	5.3	15.9	10.6	15.9	21.1	26.4
75°	0.0	0.0	0.0	5.3	5.3	5.3	10.6	15.9	15.9	21.1
77.5°	0.0	0.0	0.0	5.3	10.6	10.6	10.6	10.6	10.6	15.9
80°	0.0	0.0	0.0	5.3	5.3	10.6	15.9	21.1	10.6	10.6
82.5°	0.0	0.0	0.0	10.6	5.3	21.1	31.7	26.4	10.6	5.3
85°	0.0	0.0	0.0	5.3	21.1	26.4	26.4	15.9	5.3	5.3
87.5°	0.0	0.0	0.0	5.3	5.3	10.6	15.9	15.9	5.3	5.3
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°
22054.0	0°	22054.0	22054.0	22054.0	22054.0	22054.0	22054.0	22054.0	22054.0	22054.0
21974.8	2.5°	21853.3	22059.3	22244.3	22128.0	22085.7	22001.2	21937.8	21869.1	21863.8
21784.6	5°	21663.0	21858.5	22038.2	21900.8	21911.4	21869.1	21826.8	21811.0	21821.6
21589.1	7.5°	21499.3	21663.0	21858.5	21742.3	21774.0	21747.6	21726.5	21694.8	21742.3
21335.5	10°	21250.9	21398.9	21626.1	21515.1	21499.3	21472.8	21451.7	21393.6	21420.0
20875.8	12.5°	20706.7	20891.6	21150.5	21023.7	21066.0	20992.0	20960.3	20923.3	20928.6
20077.9	15°	19967.0	20109.7	20373.8	20273.4	20305.1	20257.6	20257.6	20257.6	20294.6
18630.2	17.5°	18677.8	18968.4	19385.8	19259.0	19306.5	19317.1	19306.5	19343.5	19391.1
16569.6	20°	16580.2	17076.8	17837.7	18086.0	18186.4	18191.7	18117.7	18207.5	18302.6
14641.1	22.5°	14651.6	15174.7	15845.7	16527.3	16950.0	16928.9	16939.4	16997.6	17098.0
12923.9	25°	12982.0	13483.9	14091.5	14699.2	15623.8	15814.0	15819.3	15872.1	15951.4
11750.9	27.5°	11777.3	11972.8	12527.6	13140.5	14133.8	14741.4	14709.7	14757.3	14841.8
10282.0	30°	10324.3	11074.6	11201.4	11576.5	12432.5	13547.3	13552.6	13605.5	13690.0
9415.5	32.5°	9389.1	9885.7	10276.7	10287.3	11016.5	12163.0	12390.2	12443.0	12501.2
8517.3	35°	8512.0	8570.1	9098.5	9246.4	9669.1	10805.1	11206.7	11238.4	11333.5
7243.9	37.5°	7365.4	7708.9	7856.8	8385.2	8406.3	9325.7	10123.5	10091.8	10165.8
6234.7	40°	6314.0	6641.6	7016.7	7402.4	7455.3	8142.1	9024.5	9056.2	9087.9
5172.7	42.5°	5215.0	5632.4	6018.1	6277.0	6636.3	7032.6	7872.7	8020.6	8094.6
4433.0	45°	4512.3	4628.5	5088.2	5468.6	5833.2	6018.1	6805.4	7074.8	7122.4
3508.4	47.5°	3555.9	3946.9	4258.6	4580.9	5035.3	5199.1	5769.8	6144.9	6181.9
2604.8	50°	2747.5	3027.5	3455.5	3746.1	4274.5	4364.3	4755.3	5241.4	5289.0
1743.6	52.5°	1965.5	2345.9	2763.4	3043.4	3550.6	3666.9	3957.5	4422.4	4454.1
1336.8	55°	1410.7	1659.1	2002.5	2404.1	2773.9	3032.8	3233.6	3677.4	3719.7
877.1	57.5°	961.6	1194.1	1336.8	1738.3	1960.2	2240.3	2404.1	2742.2	2773.9
417.4	60°	459.7	570.6	681.6	882.4	1025.0	1262.8	1368.5	1505.8	1542.8
253.6	62.5°	295.9	348.7	443.8	528.4	665.7	813.7	856.0	972.2	1014.5
158.5	65°	195.5	248.3	348.7	369.9	507.2	623.5	676.3	760.8	808.4
95.1	67.5°	111.0	174.4	258.9	306.5	401.6	512.5	570.6	644.6	686.9
63.4	70°	74.0	142.7	206.1	253.6	317.0	412.1	486.1	549.5	575.9
31.7	72.5°	42.3	89.8	142.7	200.8	253.6	343.4	412.1	465.0	306.5
21.1	75°	26.4	68.7	121.5	169.1	211.3	274.8	332.9	327.6	137.4
15.9	77.5°	21.1	52.8	105.7	142.7	174.4	190.2	237.8	269.5	105.7
10.6	80°	15.9	42.3	95.1	121.5	68.7	137.4	184.9	200.8	74.0
10.6	82.5°	10.6	26.4	79.3	84.5	47.6	100.4	147.9	132.1	52.8
5.3	85°	5.3	15.9	26.4	47.6	42.3	47.6	37.0	52.8	37.0
5.3	87.5°	5.3	10.6	21.1	21.1	21.1	15.9	21.1	21.1	21.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
22054.0
21990.6
21953.7
21874.4
21546.8
21081.8
20310.4
19549.6
18366.0
17113.8
16088.8
14921.1
13837.9
12633.3
11433.9
10255.6
9188.3
8200.3
7238.6
6271.7
5357.6
4512.3
3756.7
2837.3
1585.1
1025.0
808.4
681.6
570.6
248.3
137.4
105.7
79.3
52.8
37.0
21.1
0.0

(END OF REPORT)