

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: P636644

Luminaire Tested: **IFLD-L-SA7D-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636644
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25788.7 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

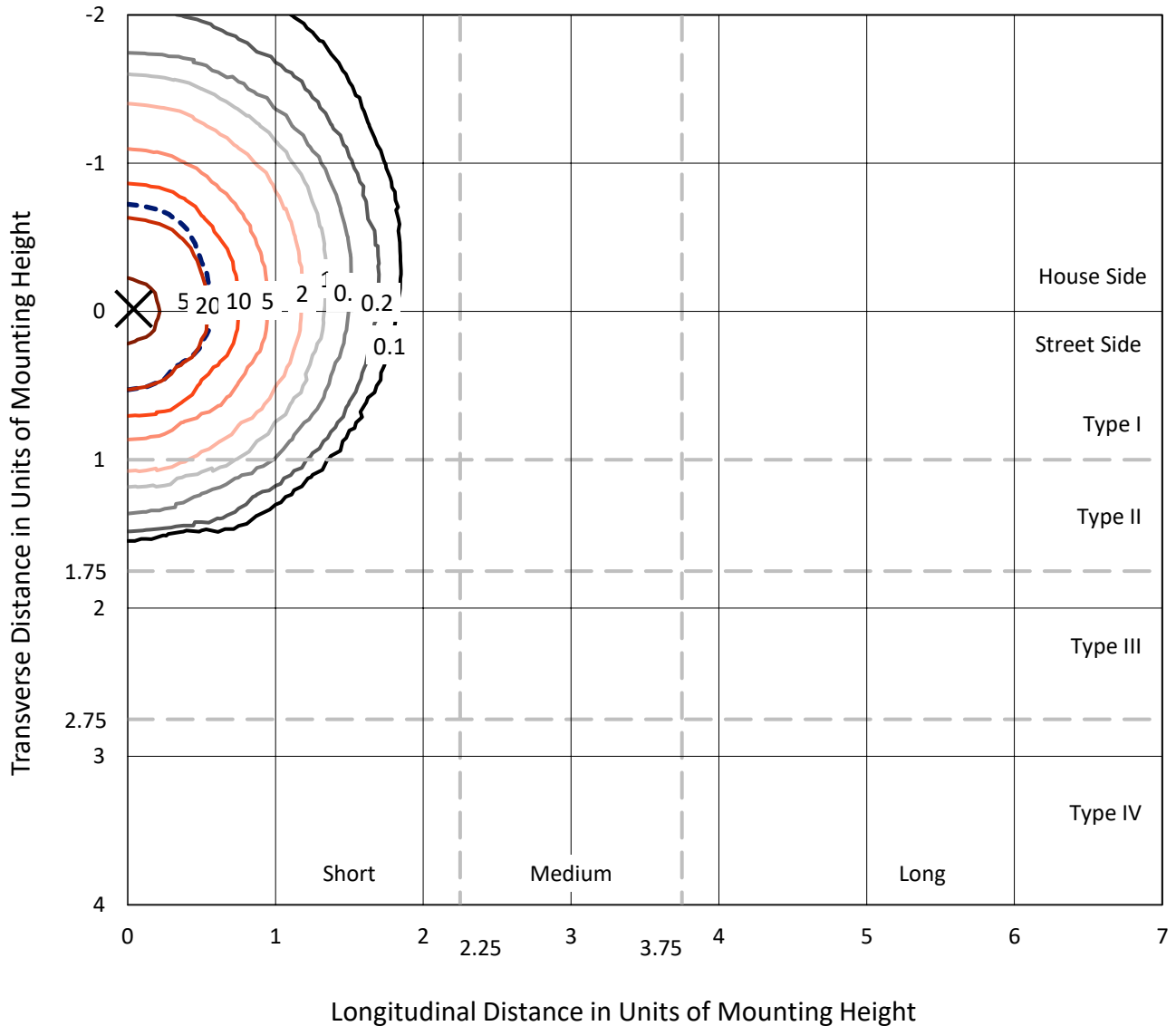
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

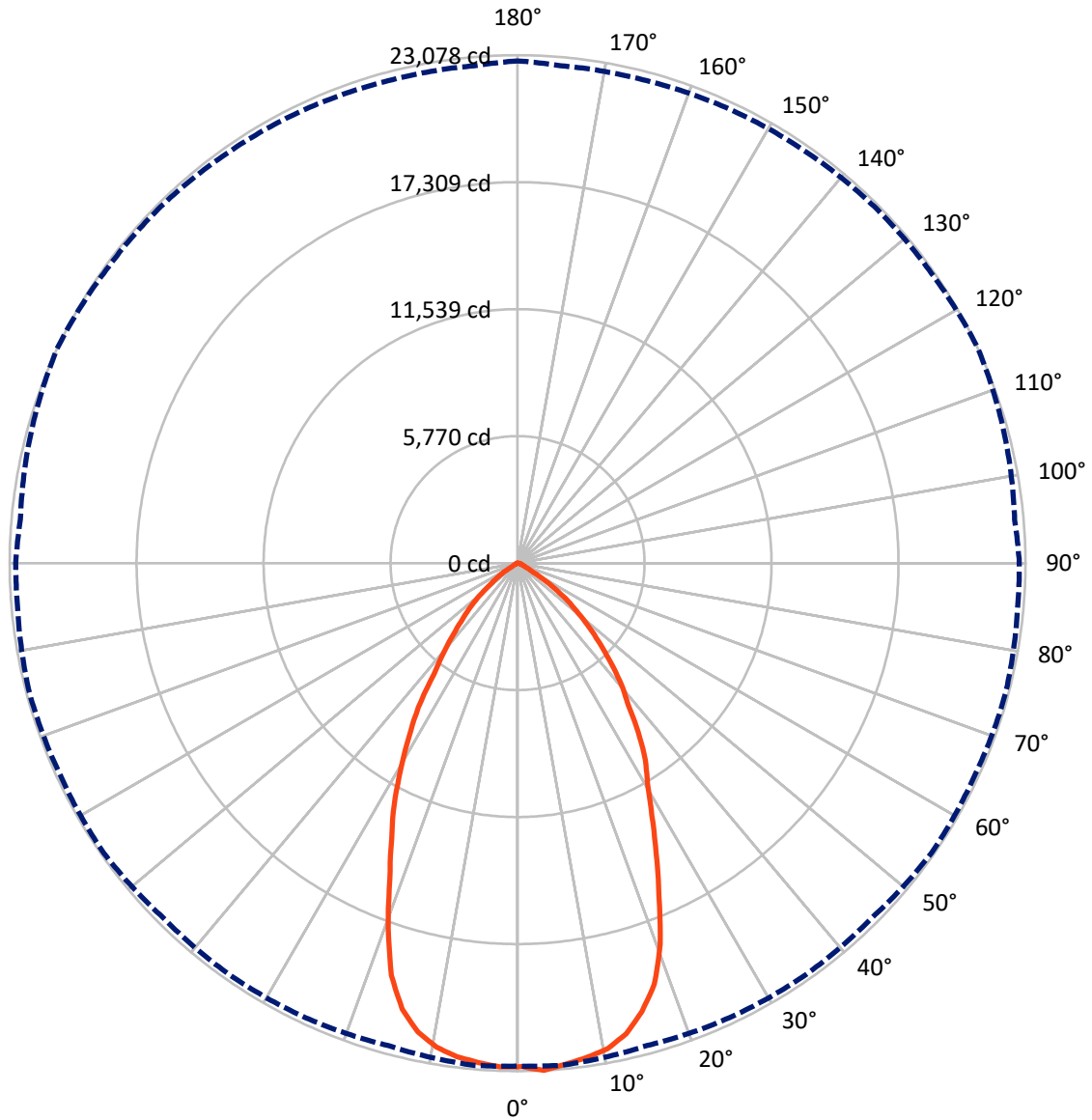
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 57.2 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	14758.5	0.0	14758.5
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	11030.2	0.0	11030.2
	% Fixture	42.8	0.0	42.8
Total	Lumens	25788.7	0.0	25788.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2155.1	8.4
10°-20°	5714.2	22.2
20°-30°	6535.9	25.3
30°-40°	5601.1	21.7
40°-50°	3703.7	14.4
50°-60°	1616.1	6.3
60°-70°	317.5	1.2
70°-80°	114.6	0.4
80°-90°	30.5	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°	25788.7	100.0
0°-180°	25788.7	100.0



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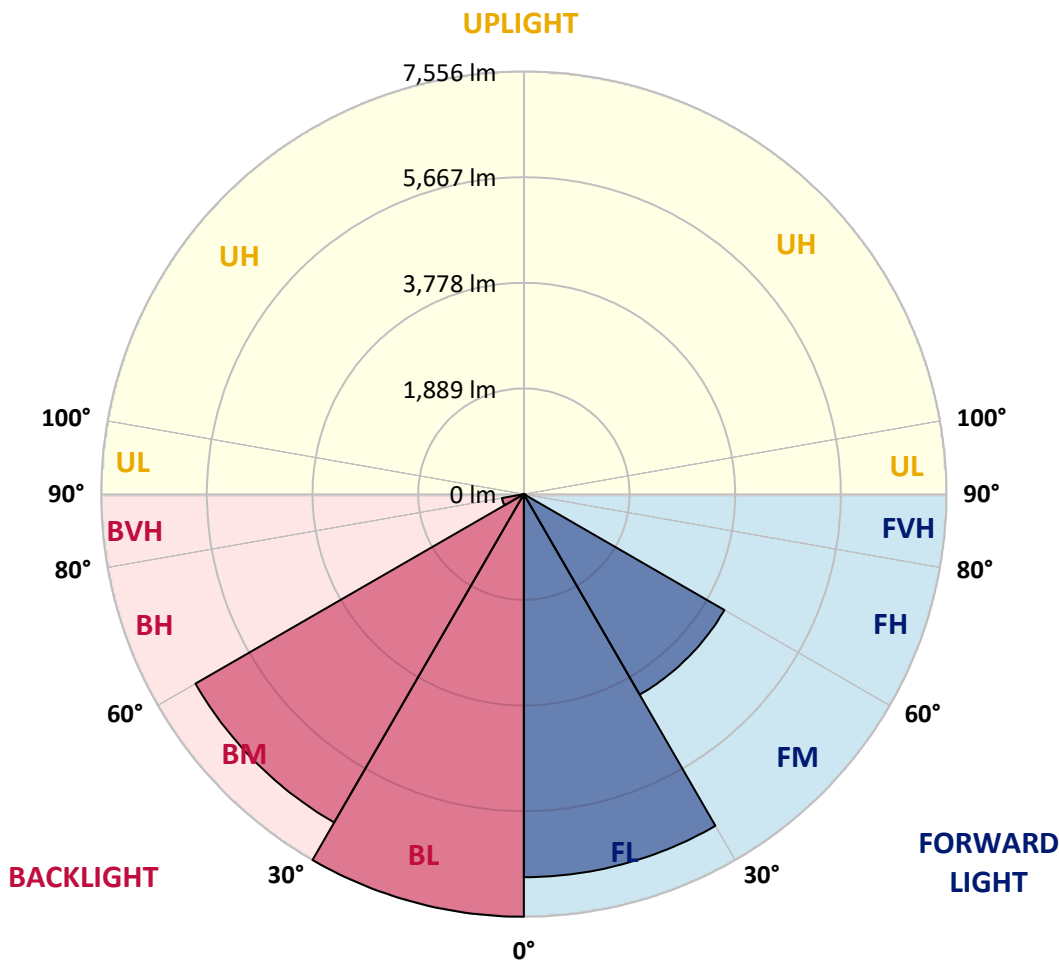
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6848.9	26.6			
FM (30°-60°)	4141.1	16.1			
FH (60°-80°)	35.1	0.1			G0/660
FVH (80°-90°)	5.0	0.0			G0/10
BL (0°-30°)	7556.3	29.3	B5		
BM (30°-60°)	6779.8	26.3	B4/8500		
BH (60°-80°)	397.0	1.5	B1/500		G1/500
BVH (80°-90°)	25.4	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°	22881.1	22881.1	22881.1	22881.1	22881.1	22881.1	22881.1	22881.1	22881.1	22881.1
2.5°	22848.2	22903.0	22694.7	22787.9	22826.3	22776.9	22957.8	22903.0	22946.8	22809.8
5°	22848.2	22903.0	22661.8	22705.7	22716.6	22623.4	22820.8	22755.0	22760.5	22617.9
7.5°	22705.7	22771.4	22552.2	22585.1	22590.5	22513.8	22683.7	22590.5	22557.6	22409.6
10°	22321.9	22360.3	22163.0	22245.2	22321.9	22250.7	22398.7	22294.5	22294.5	22163.0
12.5°	21713.4	21784.7	21565.4	21664.1	21729.9	21647.7	21817.6	21779.2	21784.7	21653.1
15°	20606.1	20359.4	20622.6	20819.9	20825.4	20808.9	20967.9	20929.5	20957.0	20759.6
17.5°	15223.0	15162.7	15469.7	17799.4	19531.7	19767.4	19794.8	19586.5	19493.3	19301.4
20°	14104.7	14148.5	14082.8	14093.7	15458.7	18292.8	18122.9	17607.6	17371.9	17180.0
22.5°	13287.9	13216.6	13172.8	13145.4	13183.7	15031.1	16253.6	15475.1	15349.1	15255.9
25°	12399.9	12367.0	12312.1	12301.2	12279.3	11966.8	13726.4	13797.7	13594.9	13479.8
27.5°	11572.1	11550.2	11489.9	11484.4	11232.2	10475.7	10667.6	12361.5	12306.7	12262.8
30°	10689.5	10645.7	10612.8	10612.8	9850.8	9072.4	8759.9	10777.2	10777.2	10738.9
32.5°	9730.2	9691.8	9702.8	9571.2	8661.3	7948.6	7455.3	9302.6	9878.2	9845.3
35°	5947.8	5936.8	7049.6	8513.2	7444.3	6797.4	6764.6	7959.6	8798.3	8886.0
37.5°	5295.4	5262.5	5279.0	5372.2	6375.3	6117.7	6106.7	6309.6	7488.2	7532.0
40°	4752.7	4730.8	4714.4	4380.0	4062.0	5459.9	5421.5	5289.9	6397.3	6474.0
42.5°	4237.4	4215.5	4215.5	3744.1	3228.8	4489.6	4506.0	4352.6	5394.1	5421.5
45°	3705.7	3689.3	3596.1	2987.6	2839.6	2982.1	3733.1	3557.7	4281.3	4566.3
47.5°	1748.7	1737.7	2516.2	2483.3	2472.3	2384.6	2850.5	2949.2	3398.7	3683.8
50°	1403.3	1392.4	1326.6	1167.6	2033.8	1809.0	2055.7	2269.5	2412.0	2675.1
52.5°	1162.1	1151.2	1014.1	899.0	1129.3	1321.1	1227.9	1518.5	1513.0	1798.0
55°	762.0	707.2	778.4	734.6	592.0	959.3	937.4	1151.2	1123.8	1370.5
57.5°	16.4	16.4	38.4	416.6	372.8	405.7	537.2	657.8	740.0	811.3
60°	5.5	5.5	11.0	21.9	153.5	169.9	208.3	241.2	339.9	422.1
62.5°	0.0	0.0	5.5	11.0	21.9	87.7	98.7	115.1	159.0	219.3
65°	0.0	0.0	0.0	5.5	11.0	21.9	32.9	71.3	98.7	126.1
67.5°	0.0	0.0	0.0	5.5	5.5	11.0	21.9	32.9	43.9	87.7
70°	0.0	0.0	0.0	5.5	5.5	11.0	16.4	21.9	32.9	43.9
72.5°	0.0	0.0	0.0	5.5	5.5	16.4	11.0	16.4	21.9	27.4
75°	0.0	0.0	0.0	5.5	5.5	5.5	11.0	16.4	16.4	21.9
77.5°	0.0	0.0	0.0	5.5	11.0	11.0	11.0	11.0	11.0	16.4
80°	0.0	0.0	0.0	5.5	5.5	11.0	16.4	21.9	11.0	11.0
82.5°	0.0	0.0	0.0	11.0	5.5	21.9	32.9	27.4	11.0	5.5
85°	0.0	0.0	0.0	5.5	21.9	27.4	27.4	16.4	5.5	5.5
87.5°	0.0	0.0	0.0	5.5	5.5	11.0	16.4	16.4	5.5	5.5
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°
22881.1	0°	22881.1	22881.1	22881.1	22881.1	22881.1	22881.1	22881.1	22881.1	22881.1
22798.8	2.5°	22672.8	22886.5	23078.4	22957.8	22914.0	22826.3	22760.5	22689.2	22683.7
22601.5	5°	22475.4	22678.2	22864.6	22722.1	22733.1	22689.2	22645.4	22628.9	22639.9
22398.7	7.5°	22305.5	22475.4	22678.2	22557.6	22590.5	22563.1	22541.2	22508.3	22557.6
22135.5	10°	22047.8	22201.3	22437.0	22321.9	22305.5	22278.1	22256.1	22195.8	22223.3
21658.6	12.5°	21483.2	21675.1	21943.7	21812.1	21856.0	21779.2	21746.3	21708.0	21713.4
20830.9	15°	20715.8	20863.8	21137.9	21033.7	21066.6	21017.3	21017.3	21017.3	21055.6
19328.9	17.5°	19378.2	19679.7	20112.8	19981.2	20030.5	20041.5	20030.5	20068.9	20118.2
17191.0	20°	17201.9	17717.2	18506.6	18764.2	18868.4	18873.9	18797.1	18890.3	18989.0
15190.1	22.5°	15201.1	15743.8	16439.9	17147.1	17585.6	17563.7	17574.7	17635.0	17739.1
13408.5	25°	13468.8	13989.6	14620.0	15250.4	16209.7	16407.1	16412.5	16467.4	16549.6
12191.5	27.5°	12219.0	12421.8	12997.4	13633.3	14663.8	15294.2	15261.4	15310.7	15398.4
10667.6	30°	10711.5	11489.9	11621.4	12010.6	12898.7	14055.4	14060.8	14115.7	14203.4
9768.6	32.5°	9741.2	10256.5	10662.1	10673.1	11429.6	12619.1	12854.8	12909.7	12970.0
8836.7	35°	8831.2	8891.5	9439.7	9593.2	10031.7	11210.3	11626.9	11659.8	11758.5
7515.6	37.5°	7641.6	7998.0	8151.4	8699.6	8721.6	9675.4	10503.1	10470.3	10547.0
6468.5	40°	6550.8	6890.6	7279.8	7680.0	7734.8	8447.5	9362.9	9395.8	9428.7
5366.7	42.5°	5410.5	5843.6	6243.8	6512.4	6885.2	7296.3	8167.9	8321.4	8398.1
4599.2	45°	4681.5	4802.1	5279.0	5673.7	6051.9	6243.8	7060.6	7340.1	7389.5
3639.9	47.5°	3689.3	4094.9	4418.3	4752.7	5224.2	5394.1	5986.1	6375.3	6413.7
2702.5	50°	2850.5	3141.1	3585.1	3886.6	4434.8	4528.0	4933.6	5438.0	5487.3
1809.0	52.5°	2039.2	2433.9	2867.0	3157.5	3683.8	3804.4	4105.9	4588.3	4621.2
1386.9	55°	1463.6	1721.3	2077.6	2494.2	2877.9	3146.6	3354.9	3815.3	3859.2
910.0	57.5°	997.7	1238.9	1386.9	1803.5	2033.8	2324.3	2494.2	2845.1	2877.9
433.1	60°	476.9	592.0	707.2	915.5	1063.5	1310.2	1419.8	1562.3	1600.7
263.1	62.5°	307.0	361.8	460.5	548.2	690.7	844.2	888.1	1008.7	1052.5
164.5	65°	202.8	257.6	361.8	383.7	526.3	646.9	701.7	789.4	838.7
98.7	67.5°	115.1	180.9	268.6	317.9	416.6	531.7	592.0	668.8	712.6
65.8	70°	76.7	148.0	213.8	263.1	328.9	427.6	504.3	570.1	597.5
32.9	72.5°	43.9	93.2	148.0	208.3	263.1	356.3	427.6	482.4	317.9
21.9	75°	27.4	71.3	126.1	175.4	219.3	285.1	345.4	339.9	142.5
16.4	77.5°	21.9	54.8	109.6	148.0	180.9	197.3	246.7	279.6	109.6
11.0	80°	16.4	43.9	98.7	126.1	71.3	142.5	191.9	208.3	76.7
11.0	82.5°	11.0	27.4	82.2	87.7	49.3	104.2	153.5	137.0	54.8
5.5	85°	5.5	16.4	27.4	49.3	43.9	49.3	38.4	54.8	38.4
5.5	87.5°	5.5	11.0	21.9	21.9	21.9	16.4	21.9	21.9	21.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
22881.1
22815.3
22776.9
22694.7
22354.8
21872.4
21072.1
20282.7
19054.8
17755.6
16692.1
15480.6
14356.9
13107.0
11862.6
10640.2
9532.9
8507.8
7510.1
6506.9
5558.6
4681.5
3897.6
2943.7
1644.5
1063.5
838.7
707.2
592.0
257.6
142.5
109.6
82.2
54.8
38.4
21.9
0.0

(END OF REPORT)