

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: P638055

Luminaire Tested: **IFLD-S-SA6D-722-U-77-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638055
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-77-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25905.1 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

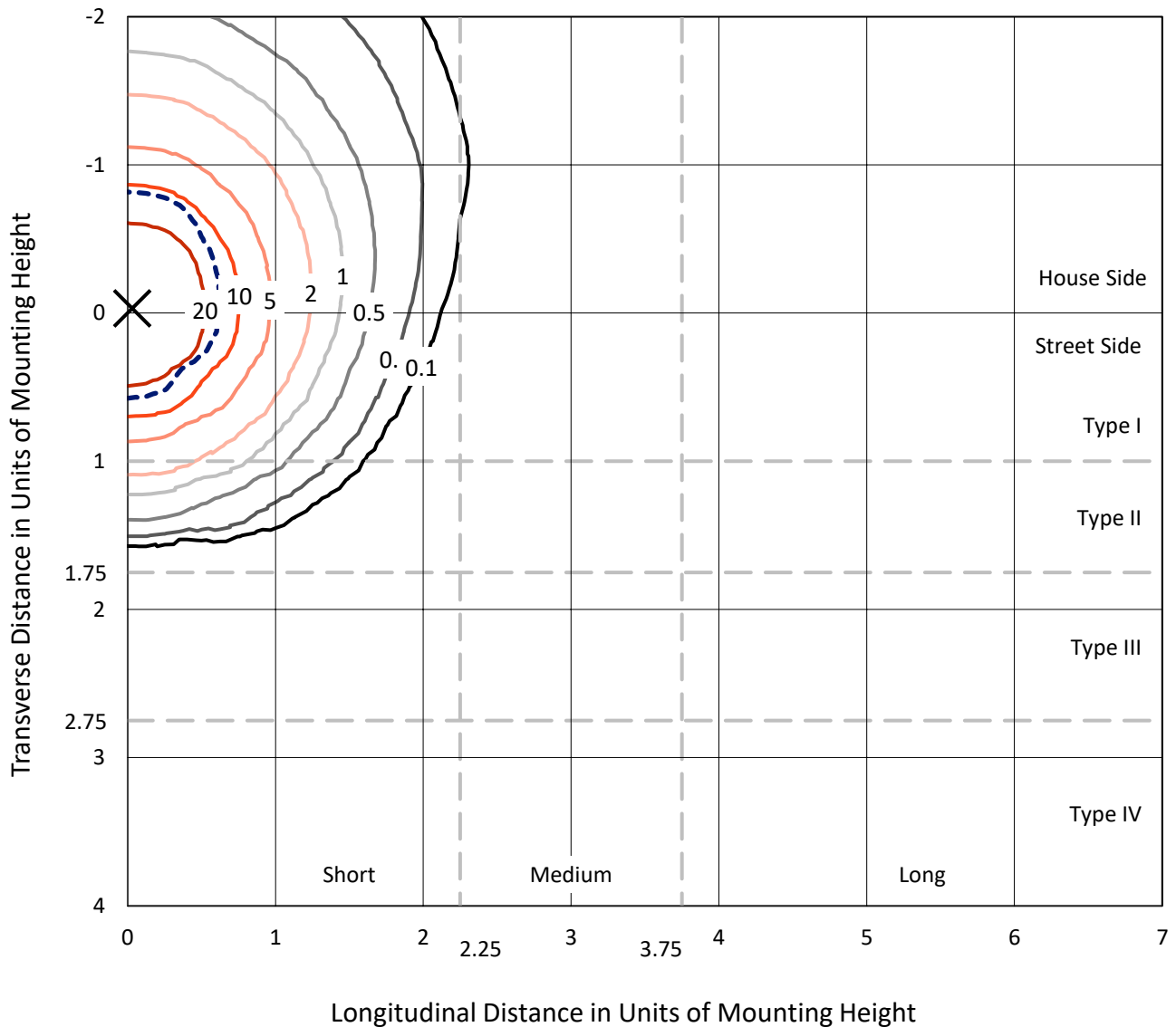
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

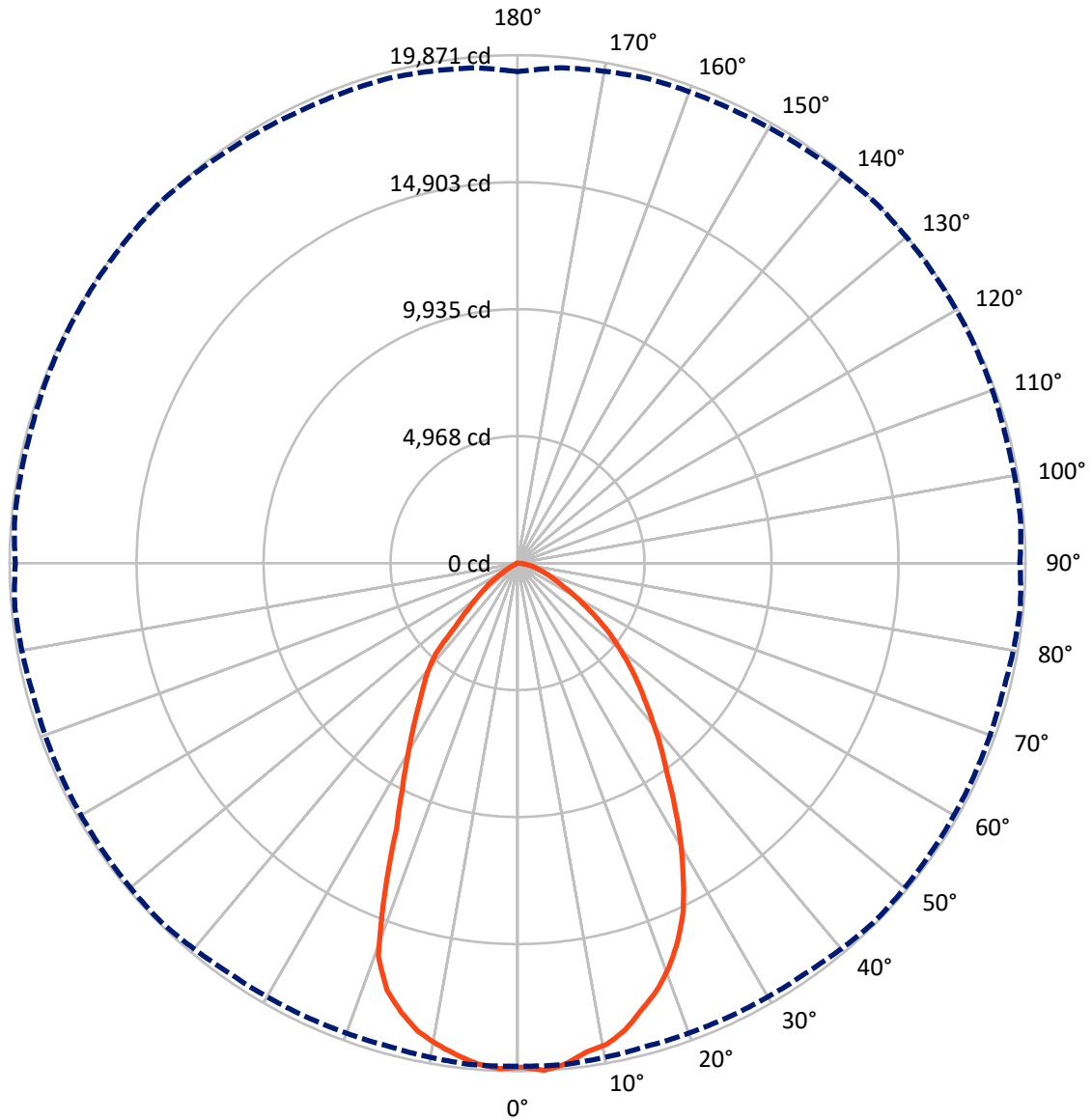
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 49.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 135-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15342.3	0.0	15342.3
	% Fixture	59.2	0.0	59.2
Street Side	Lumens	10562.8	0.0	10562.8
	% Fixture	40.8	0.0	40.8
Total	Lumens	25905.1	0.0	25905.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1848.8	7.1
10°-20°	4957.8	19.1
20°-30°	6046.3	23.3
30°-40°	5520.2	21.3
40°-50°	3989.3	15.4
50°-60°	2178.2	8.4
60°-70°	900.6	3.5
70°-80°	364.7	1.4
80°-90°	99.2	0.4
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°	25905.1	100.0
0°-180°	25905.1	100.0



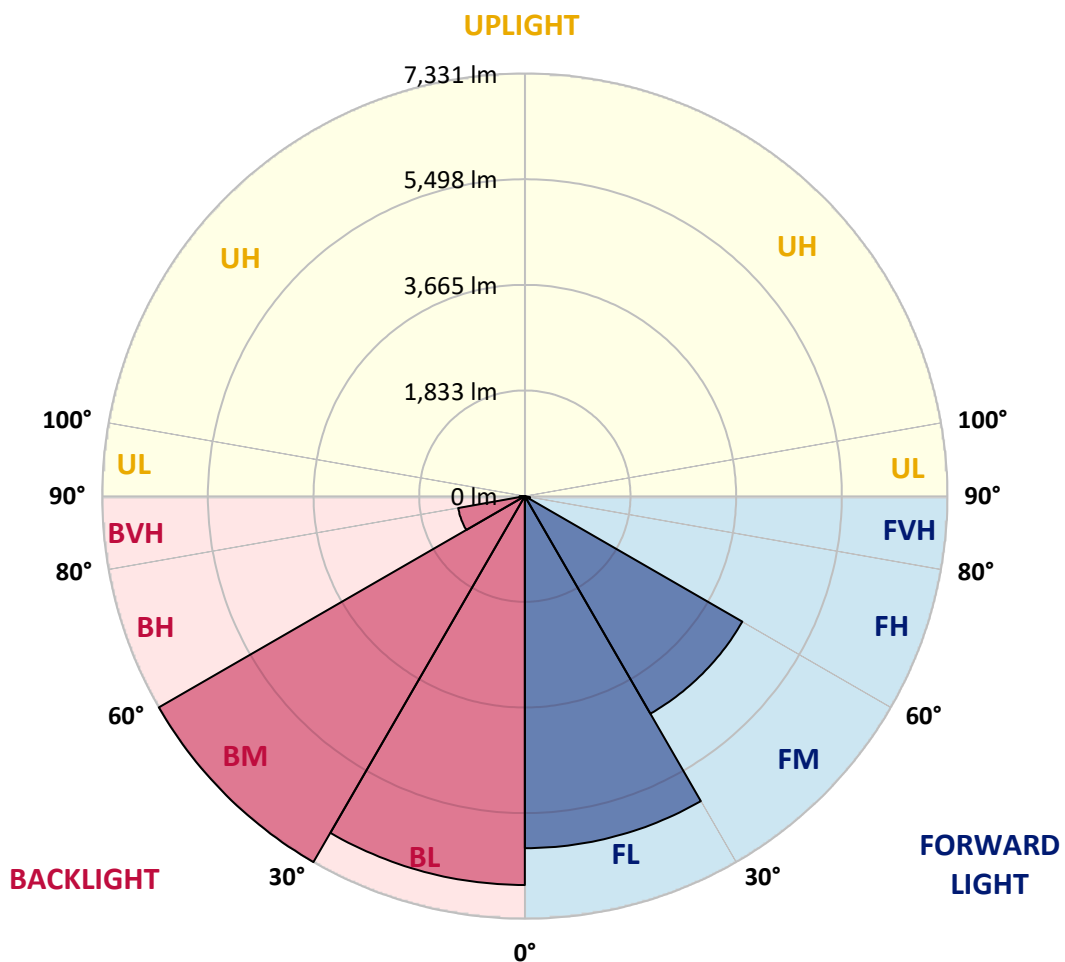
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6106.8	23.6			
FM (30°-60°)	4356.8	16.8			
FH (60°-80°)	91.3	0.4			G0/660
FVH (80°-90°)	7.9	0.0			G0/10
BL (0°-30°)	6746.1	26.0	B5		
BM (30°-60°)	7330.9	28.3	B4/8500		
BH (60°-80°)	1174.1	4.5	B3/2500		G3/2500
BVH (80°-90°)	91.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	19713.7	19713.7	19713.7	19713.7	19713.7	19713.7	19713.7	19713.7	19713.7	19713.7
2.5°	19677.2	19702.8	19564.2	19578.7	19604.3	19790.3	19742.9	19699.1	19637.1	19742.9
5°	19651.7	19666.3	19520.4	19469.3	19491.2	19659.0	19505.8	19505.8	19491.2	19473.0
7.5°	19454.7	19462.0	19348.9	19257.7	19316.1	19392.7	19279.6	19334.3	19254.1	19316.1
10°	19159.2	19111.8	18976.8	18951.3	19017.0	19089.9	19013.3	19064.4	18991.4	19038.8
12.5°	18725.1	18652.2	18542.7	18509.9	18623.0	18721.5	18659.5	18630.3	18535.4	18652.2
15°	17050.7	16996.0	17244.0	17678.1	18068.5	18152.4	18086.7	18115.9	17918.9	17951.7
17.5°	14033.8	13931.7	14198.0	15226.7	16693.2	17466.6	17408.2	17218.5	16926.7	16992.3
20°	12753.4	12724.2	12695.0	12939.4	13964.5	16310.2	16390.4	15908.9	15493.0	15401.8
22.5°	12031.1	12020.1	11990.9	12045.7	12315.6	13822.2	14741.5	14296.5	14019.2	13993.7
25°	11370.8	11352.5	11265.0	11334.3	11334.3	11421.8	12600.1	12870.1	12625.7	12596.5
27.5°	10699.5	10666.7	10652.1	10685.0	10517.1	9926.2	10225.3	11542.2	11414.6	11421.8
30°	9973.6	9962.7	9922.5	9991.8	9473.8	8740.6	8550.9	10338.4	10363.9	10356.6
32.5°	8893.8	8941.2	9123.6	9200.2	8346.6	7741.0	7423.7	8944.9	9466.5	9455.6
35°	6460.6	6460.6	7055.2	8160.5	7314.2	6858.2	6686.8	7584.2	8580.1	8616.5
37.5°	5311.5	5329.7	5446.4	5949.9	6311.0	6150.5	6099.4	6384.0	7441.9	7500.3
40°	4778.9	4778.9	4778.9	4570.9	4560.0	5541.3	5512.1	5420.9	6427.8	6555.4
42.5°	4293.7	4304.6	4311.9	3786.6	3494.8	4789.8	4724.1	4585.5	5519.4	5669.0
45°	3793.9	3812.1	3834.0	3166.5	3038.8	3447.3	3998.2	3845.0	4622.0	4815.3
47.5°	2316.5	2345.7	2841.8	2684.9	2699.5	2659.4	3261.3	3235.8	3790.3	4063.9
50°	1565.0	1575.9	1623.4	1703.6	2316.5	2090.3	2309.2	2677.6	2878.3	3294.1
52.5°	1313.3	1331.5	1214.8	1105.3	1521.2	1634.3	1612.4	1988.2	2068.4	2582.8
55°	922.9	981.3	926.6	915.6	864.6	1269.5	1222.1	1528.5	1579.6	1962.6
57.5°	94.8	109.4	189.7	682.2	565.4	718.7	871.9	1119.9	1171.0	1448.3
60°	7.3	7.3	18.2	94.8	412.2	430.5	601.9	689.5	788.0	1010.5
62.5°	0.0	3.6	7.3	14.6	65.7	229.8	302.8	361.2	474.2	653.0
65°	0.0	0.0	3.6	10.9	14.6	87.6	116.7	189.7	259.0	404.9
67.5°	0.0	0.0	3.6	7.3	10.9	21.9	40.1	69.3	138.6	229.8
70°	0.0	0.0	3.6	7.3	10.9	18.2	29.2	43.8	62.0	124.0
72.5°	0.0	0.0	3.6	3.6	7.3	18.2	21.9	29.2	43.8	62.0
75°	0.0	0.0	3.6	3.6	10.9	21.9	18.2	21.9	29.2	40.1
77.5°	0.0	0.0	3.6	7.3	10.9	21.9	18.2	21.9	21.9	25.5
80°	0.0	0.0	3.6	7.3	14.6	25.5	21.9	21.9	18.2	18.2
82.5°	0.0	0.0	3.6	10.9	14.6	32.8	32.8	29.2	14.6	10.9
85°	0.0	0.0	7.3	14.6	21.9	36.5	36.5	29.2	10.9	7.3
87.5°	0.0	0.0	7.3	10.9	18.2	25.5	36.5	29.2	10.9	3.6
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°
19713.7	0°	19713.7	19713.7	19713.7	19713.7	19713.7	19713.7	19713.7	19713.7	19713.7
19651.7	2.5°	19750.2	19728.3	19801.3	19830.5	19870.6	19717.4	19622.5	19626.2	19451.1
19429.2	5°	19545.9	19549.6	19644.4	19637.1	19677.2	19593.3	19556.9	19494.8	19341.6
19148.3	7.5°	19286.9	19254.1	19345.3	19414.6	19312.4	19370.8	19286.9	19316.1	19224.9
18900.2	10°	19086.3	19009.7	19093.6	19141.0	19144.6	19086.3	19006.0	18929.4	18896.6
18513.5	12.5°	18641.2	18542.7	18685.0	18750.7	18739.7	18626.6	18535.4	18553.7	18447.9
17835.0	15°	18028.4	18032.0	18134.1	18196.2	18137.8	18112.3	18119.6	18075.8	17984.6
16897.5	17.5°	17090.8	17145.5	17415.5	17565.1	17597.9	17546.8	17521.3	17470.2	17379.0
15401.8	20°	15529.5	15857.8	16339.3	16802.6	16893.8	16879.2	16788.0	16766.2	16715.1
13920.7	22.5°	14157.8	14402.3	14960.4	15682.7	16054.8	16091.3	15981.8	15949.0	15894.3
12596.5	25°	12738.8	13001.4	13504.9	14289.2	15058.9	15215.8	15197.5	15099.0	15040.7
11421.8	27.5°	11542.2	11804.9	12260.9	12968.6	13793.0	14296.5	14343.9	14187.0	14183.4
10374.9	30°	10462.4	10823.6	11170.1	11746.5	12545.4	13300.6	13380.8	13271.4	13282.3
9415.5	32.5°	9616.1	9915.2	10210.7	10597.4	11261.3	12140.5	12454.2	12352.1	12312.0
8616.5	35°	8751.5	8955.8	9258.6	9612.4	10064.8	10936.7	11480.2	11403.6	11363.5
7536.7	37.5°	7766.6	8116.8	8335.7	8733.3	9087.1	9780.3	10546.3	10535.4	10451.5
6617.4	40°	6756.1	7124.5	7456.5	7857.8	8131.4	8682.2	9532.2	9528.5	9539.5
5665.3	42.5°	5840.4	6179.7	6581.0	7018.7	7281.4	7682.7	8594.7	8645.7	8707.7
4881.0	45°	5012.3	5318.8	5690.9	6223.5	6540.8	6770.7	7580.5	7814.0	7810.3
4180.6	47.5°	4268.1	4556.3	4870.1	5388.1	5793.0	6000.9	6672.2	7004.1	6982.2
3429.1	50°	3582.3	3837.7	4166.0	4541.7	5085.3	5267.7	5767.5	6205.2	6172.4
2732.3	52.5°	2881.9	3235.8	3513.0	3855.9	4428.7	4607.4	4994.1	5420.9	5395.4
2050.2	55°	2247.2	2590.1	2925.7	3221.2	3702.7	3969.0	4246.3	4684.0	4676.7
1605.1	57.5°	1700.0	2075.7	2393.1	2674.0	3057.0	3385.3	3607.9	4005.5	4056.6
1098.0	60°	1258.6	1546.7	1889.7	2203.4	2506.2	2845.4	2995.0	3385.3	3407.2
751.5	62.5°	857.3	1174.7	1510.3	1794.8	2021.0	2371.2	2506.2	2827.2	2867.3
481.5	65°	594.6	798.9	1181.9	1386.2	1663.5	1962.6	2097.6	2353.0	2433.2
277.2	67.5°	394.0	569.1	922.9	1109.0	1382.6	1586.9	1758.3	1966.3	2053.8
175.1	70°	215.2	419.5	660.3	875.5	1112.6	1309.6	1477.4	1645.2	1721.9
80.3	72.5°	145.9	280.9	459.6	693.1	897.4	1090.7	1240.3	1364.3	1368.0
47.4	75°	73.0	189.7	350.2	536.3	700.4	890.1	1025.1	1098.0	1010.5
29.2	77.5°	43.8	138.6	284.5	430.5	569.1	718.7	795.3	835.4	693.1
21.9	80°	25.5	98.5	222.5	342.9	394.0	529.0	601.9	612.9	463.3
14.6	82.5°	18.2	73.0	175.1	251.7	240.8	372.1	452.4	437.8	295.5
10.9	85°	10.9	51.1	109.4	156.9	145.9	244.4	262.7	270.0	171.5
7.3	87.5°	7.3	29.2	58.4	83.9	69.3	105.8	105.8	127.7	83.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
19713.7
19224.9
19305.2
19071.7
18750.7
18356.7
17893.4
17338.9
16598.3
15879.7
14978.6
14176.1
13227.6
12315.6
11308.8
10520.8
9539.5
8674.9
7817.6
6989.5
6201.6
5450.1
4695.0
4034.7
3440.1
2874.6
2415.0
2042.9
1692.7
1335.2
944.8
667.6
434.1
273.6
156.9
73.0
0.0

(END OF REPORT)