

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: P637850

Luminaire Tested: **IFLD-S-SA6B-730-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637850
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-730-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25629.9 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

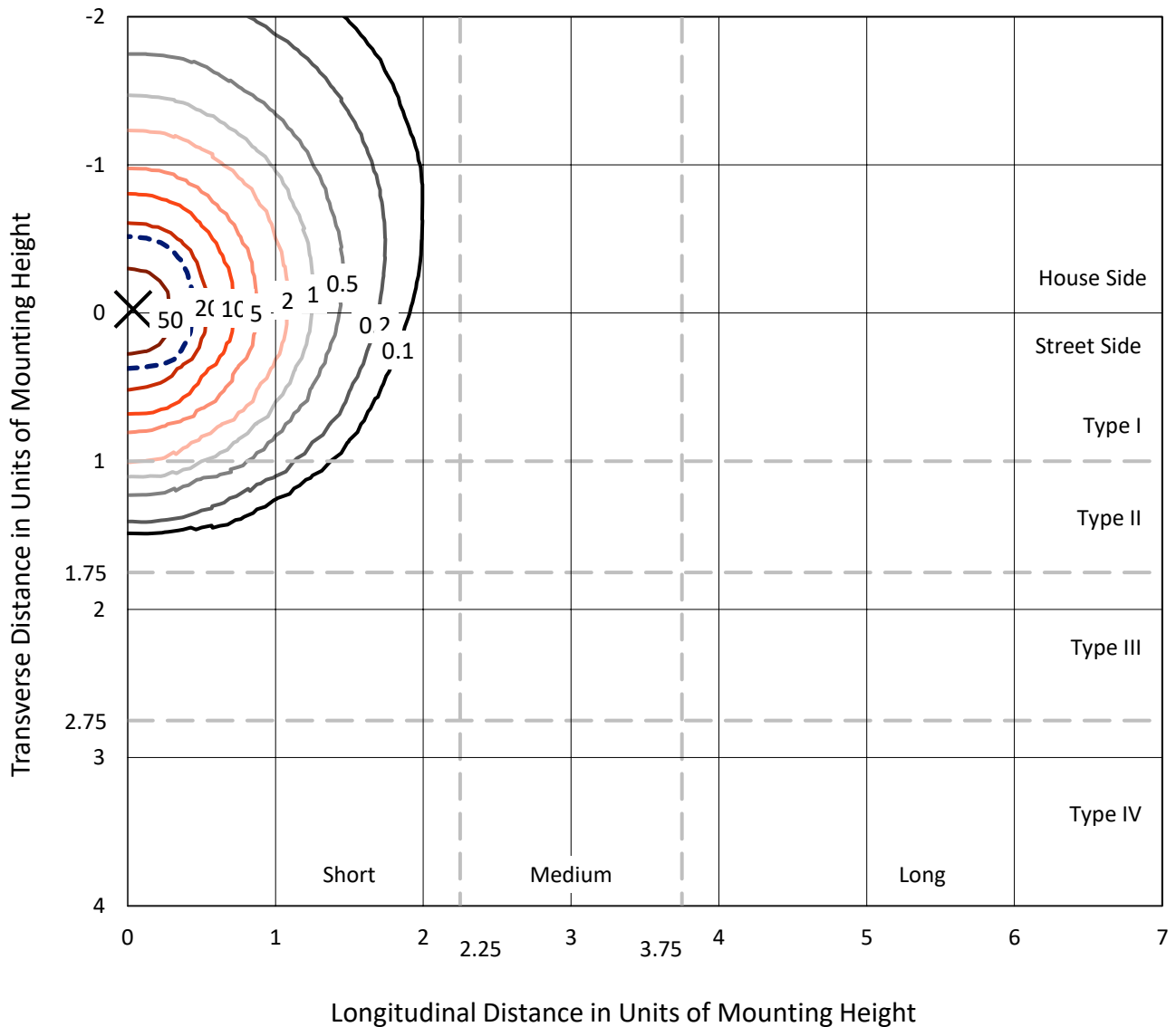
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

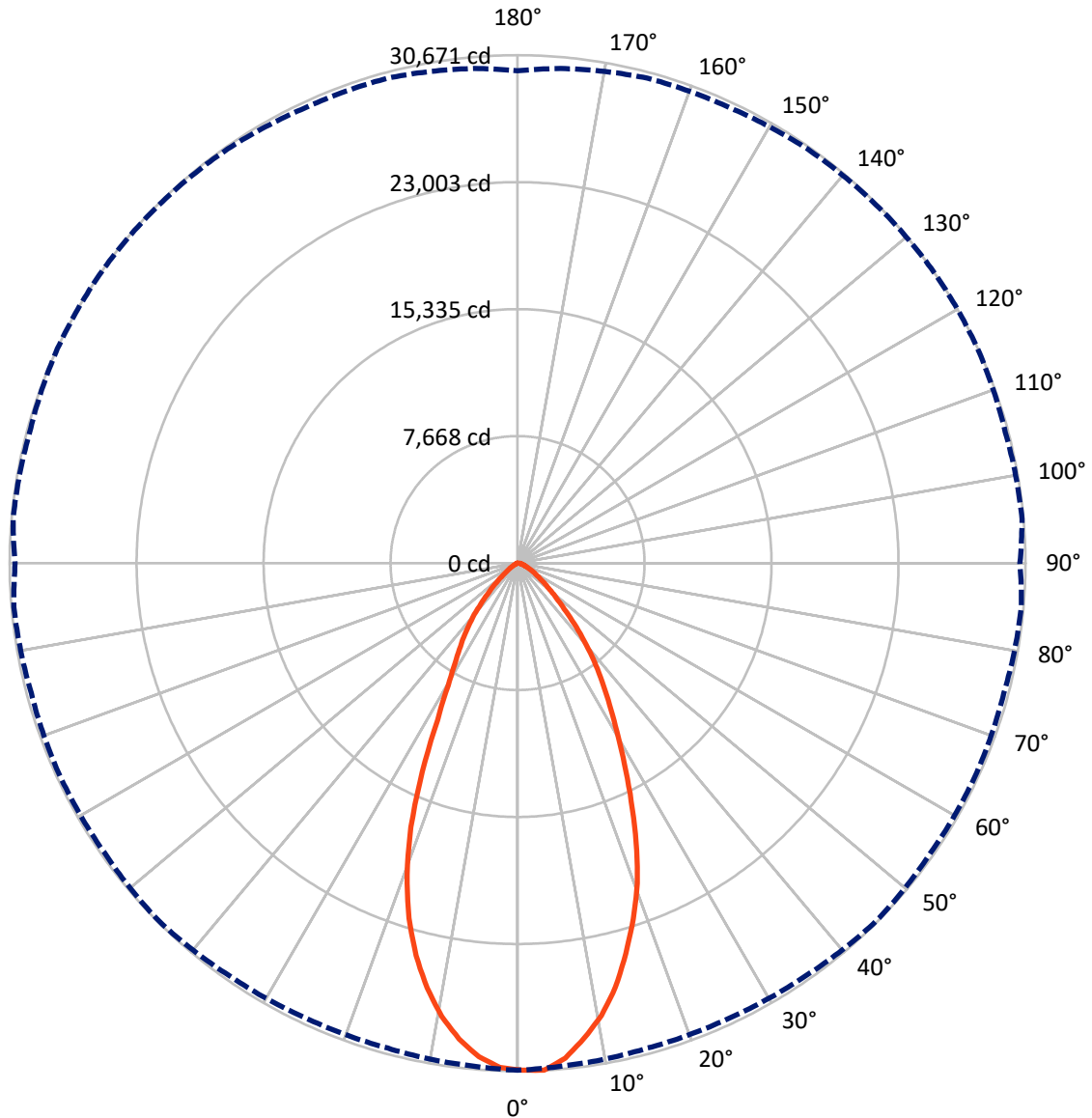
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 76.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14543.4	0.0	14543.4
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	11086.5	0.0	11086.5
	% Fixture	43.3	0.0	43.3
Total	Lumens	25629.9	0.0	25629.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2780.6	10.8
10°-20°	6628.2	25.9
20°-30°	6750.7	26.3
30°-40°	5034.0	19.6
40°-50°	2629.9	10.3
50°-60°	1106.1	4.3
60°-70°	451.8	1.8
70°-80°	190.1	0.7
80°-90°	58.6	0.2
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°	25629.9	100.0
0°-180°	25629.9	100.0



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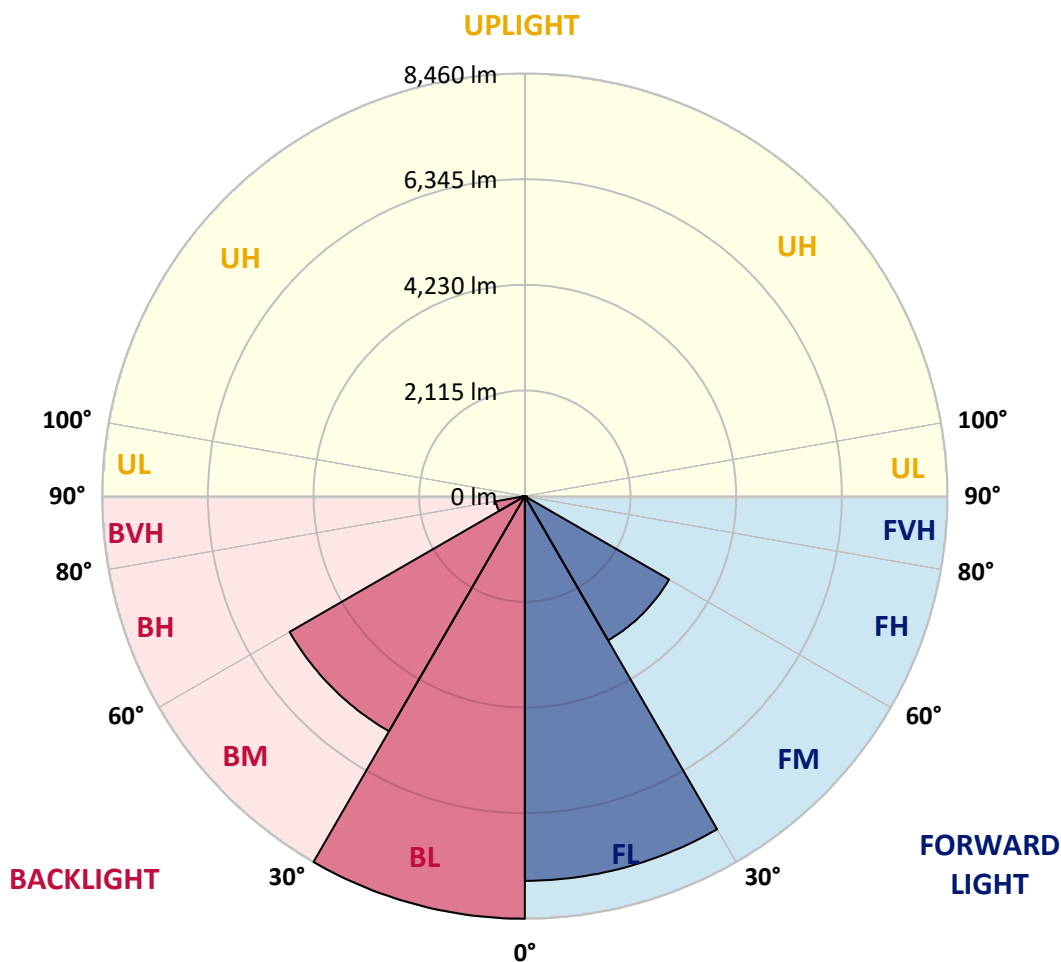
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7699.5	30.0			
FM (30°-60°)	3333.3	13.0			
FH (60°-80°)	48.2	0.2			G0/660
FVH (80°-90°)	5.5	0.0			G0/10
BL (0°-30°)	8459.9	33.0	B5		
BM (30°-60°)	5436.7	21.2	B4/8500		
BH (60°-80°)	593.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	53.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	30621.5	30621.5	30621.5	30621.5	30621.5	30621.5	30621.5	30621.5	30621.5	30621.5
2.5°	30624.8	30499.7	30321.9	30305.4	30397.6	30598.5	30470.1	30476.6	30397.6	30532.6
5°	30144.1	30025.6	29903.8	29742.5	29877.5	29963.1	29897.2	29824.8	29722.7	29854.4
7.5°	29235.5	29169.6	28988.5	28916.1	28998.4	29093.9	28952.3	28932.6	28791.0	28962.2
10°	27846.1	27819.8	27642.0	27599.2	27671.6	27816.5	27753.9	27740.8	27651.9	27635.4
12.5°	26404.1	26302.0	26081.5	26068.3	26176.9	26394.2	26226.3	26065.0	26114.4	26157.2
15°	22690.4	22581.8	23128.3	23987.6	24438.6	24422.1	24471.5	24277.3	24218.0	24237.8
17.5°	18038.4	17854.0	18051.6	19381.7	21524.9	22769.4	22427.0	22008.9	21785.0	21636.9
20°	15569.2	15579.1	15542.9	15885.3	17221.9	20059.9	19977.6	19171.0	18877.9	18756.1
22.5°	14067.9	14011.9	13932.9	14041.6	14400.4	16066.3	17182.4	16441.7	16339.6	16204.6
25°	12596.3	12596.3	12500.8	12609.4	12711.5	12734.5	13853.9	14156.8	13959.3	13959.3
27.5°	11322.2	11256.3	11213.5	11262.9	11127.9	10479.3	10620.9	12171.6	12036.6	11954.3
30°	10057.9	10038.2	9965.7	10031.6	9531.2	8800.3	8504.0	10271.9	10413.5	10383.9
32.5°	8303.1	8382.1	8704.8	8806.9	7950.9	7361.5	7078.4	8527.0	9093.3	9070.2
35°	5643.0	5708.8	6077.6	7295.7	6591.1	6169.7	6087.4	6782.1	7713.8	7802.7
37.5°	4494.0	4484.1	4589.4	4806.7	5297.3	5195.2	5172.2	5353.2	6291.5	6331.1
40°	3703.8	3690.6	3687.4	3509.6	3387.8	4319.5	4256.9	4148.3	4961.5	5040.5
42.5°	2986.1	2999.3	3009.1	2620.7	2442.9	3331.8	3295.6	3183.6	3891.5	3983.7
45°	2344.1	2340.8	2360.6	1952.3	1902.9	2130.1	2462.6	2373.7	2936.7	3035.5
47.5°	1214.9	1257.7	1524.3	1511.2	1534.2	1511.2	1863.4	1840.4	2209.1	2367.2
50°	816.5	829.7	852.7	856.0	1208.3	1112.8	1264.2	1432.1	1547.4	1791.0
52.5°	632.1	642.0	582.7	546.5	740.8	823.1	829.7	991.0	1079.9	1326.8
55°	352.3	395.1	424.7	428.0	408.2	609.1	605.8	734.2	803.3	967.9
57.5°	46.1	56.0	85.6	276.6	273.3	339.1	424.7	533.3	572.9	707.8
60°	3.3	6.6	9.9	42.8	181.1	197.5	289.7	332.5	398.4	497.1
62.5°	0.0	0.0	3.3	9.9	36.2	115.2	151.4	174.5	233.8	325.9
65°	0.0	0.0	3.3	6.6	13.2	42.8	59.3	95.5	138.3	200.8
67.5°	0.0	0.0	3.3	6.6	9.9	16.5	26.3	42.8	72.4	121.8
70°	0.0	0.0	3.3	6.6	9.9	13.2	19.8	26.3	39.5	65.8
72.5°	0.0	0.0	3.3	3.3	6.6	16.5	16.5	19.8	26.3	36.2
75°	0.0	0.0	3.3	6.6	9.9	16.5	16.5	16.5	19.8	23.0
77.5°	0.0	0.0	3.3	6.6	9.9	16.5	13.2	16.5	16.5	16.5
80°	0.0	0.0	3.3	6.6	9.9	16.5	19.8	16.5	13.2	13.2
82.5°	0.0	0.0	3.3	9.9	9.9	23.0	23.0	23.0	9.9	9.9
85°	0.0	0.0	6.6	9.9	16.5	26.3	26.3	19.8	9.9	6.6
87.5°	0.0	0.0	3.3	6.6	6.6	13.2	19.8	16.5	6.6	3.3
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°
30621.5	0°	30621.5	30621.5	30621.5	30621.5	30621.5	30621.5	30621.5	30621.5	30621.5
30335.1	2.5°	30578.7	30496.4	30651.1	30670.9	30605.0	30522.7	30331.8	30315.3	29982.8
29663.5	5°	29999.3	29864.3	29963.1	30028.9	30005.9	29917.0	29837.9	29765.5	29465.9
28573.7	7.5°	28919.4	28870.0	28916.1	28965.5	29061.0	28965.5	28932.6	28856.8	28560.5
27500.4	10°	27721.0	27628.8	27803.3	27780.3	27753.9	27727.6	27589.3	27602.5	27253.5
26038.7	12.5°	26249.4	26094.6	26262.5	26282.3	26262.5	26170.3	26015.6	26081.5	25762.1
24063.3	15°	24270.7	24254.2	24376.1	24455.1	24511.0	24412.3	24359.6	24392.5	24201.6
21521.6	17.5°	21841.0	22055.0	22453.4	22588.3	22591.6	22693.7	22664.1	22624.6	22483.0
18706.7	20°	18983.3	19394.8	20007.2	20636.0	20817.1	20731.5	20692.0	20764.4	20553.7
16063.0	22.5°	16346.2	16698.5	17409.6	18328.1	18858.2	18910.9	18901.0	18838.4	18756.1
13946.1	25°	14107.4	14420.2	15101.7	15941.2	16958.5	17110.0	17116.6	17096.8	17024.4
12026.7	27.5°	12217.7	12596.3	12971.6	13722.2	14805.4	15430.9	15351.9	15328.9	15302.5
10406.9	30°	10505.7	10983.1	11335.3	11802.8	12774.1	13620.2	13702.5	13663.0	13600.4
9066.9	32.5°	9149.2	9432.4	9880.1	10196.2	10894.2	11852.2	12168.3	12138.6	12082.7
7858.7	35°	7970.6	8082.6	8434.8	8787.1	9251.3	10179.7	10647.2	10581.4	10571.5
6403.5	37.5°	6564.8	6940.1	7134.4	7489.9	7815.9	8536.9	9182.2	9152.5	9155.8
5149.1	40°	5300.6	5517.9	5903.1	6202.7	6502.3	7029.0	7746.7	7766.5	7759.9
3987.0	42.5°	4069.3	4280.0	4684.9	5010.9	5277.5	5603.5	6288.3	6311.3	6340.9
3104.6	45°	3177.1	3312.0	3608.3	3947.4	4230.6	4428.1	4948.3	5096.5	5099.7
2406.7	47.5°	2465.9	2620.7	2831.4	3157.3	3433.8	3575.4	3954.0	4154.9	4145.0
1847.0	50°	1935.9	2077.4	2248.6	2505.4	2805.0	2917.0	3196.8	3394.3	3384.5
1392.6	52.5°	1481.5	1662.6	1814.0	2011.6	2304.6	2400.1	2600.9	2828.1	2795.1
1020.6	55°	1122.7	1307.0	1448.6	1613.2	1879.9	2001.7	2140.0	2321.1	2327.6
790.1	57.5°	846.1	1037.1	1165.5	1333.4	1534.2	1669.2	1774.5	1968.8	1965.5
539.9	60°	605.8	770.4	925.1	1099.6	1254.4	1409.1	1481.5	1665.9	1672.5
381.9	62.5°	437.9	592.6	740.8	892.2	1030.5	1181.9	1247.8	1392.6	1412.4
250.2	65°	306.2	414.8	586.0	701.3	856.0	967.9	1053.5	1178.6	1201.7
148.2	67.5°	197.5	299.6	464.2	566.3	707.8	803.3	892.2	991.0	1020.6
95.5	70°	118.5	227.2	345.7	454.3	582.7	668.3	753.9	839.5	856.0
46.1	72.5°	75.7	158.0	250.2	368.7	467.5	559.7	635.4	698.0	648.6
29.6	75°	42.8	108.6	197.5	289.7	378.6	467.5	530.1	563.0	451.0
19.8	77.5°	26.3	79.0	161.3	233.8	293.0	375.3	414.8	434.6	322.6
13.2	80°	16.5	59.3	135.0	191.0	191.0	276.6	322.6	339.1	233.8
9.9	82.5°	13.2	42.8	105.4	144.9	128.4	207.4	253.5	256.8	164.6
6.6	85°	9.9	32.9	65.8	95.5	88.9	144.9	148.2	164.6	108.6
6.6	87.5°	6.6	19.8	39.5	56.0	49.4	69.1	79.0	88.9	59.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
30621.5
29722.7
29225.6
28498.0
27135.0
25669.9
23971.1
22272.3
20402.3
18598.1
16780.8
15147.8
13521.4
11934.5
10462.9
9050.5
7644.7
6242.2
5014.1
4108.8
3384.5
2798.4
2327.6
1958.9
1656.0
1405.8
1195.1
1017.3
842.8
602.5
428.0
302.9
217.3
151.4
98.8
52.7
0.0

(END OF REPORT)