

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: P636609

Luminaire Tested: **IFLD-M-SA4C-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636609
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14488.1 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

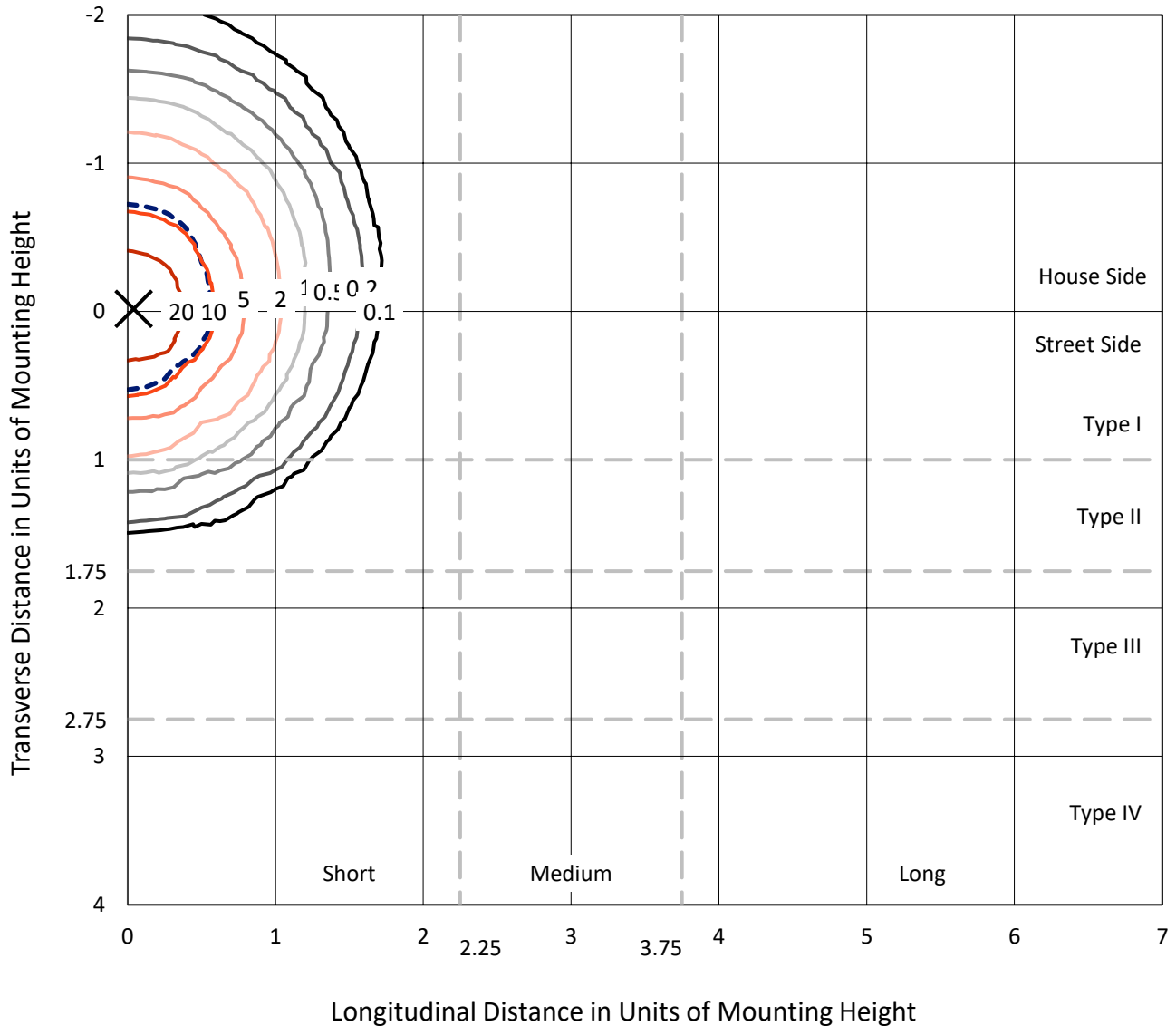
Input Watts (W): 218.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

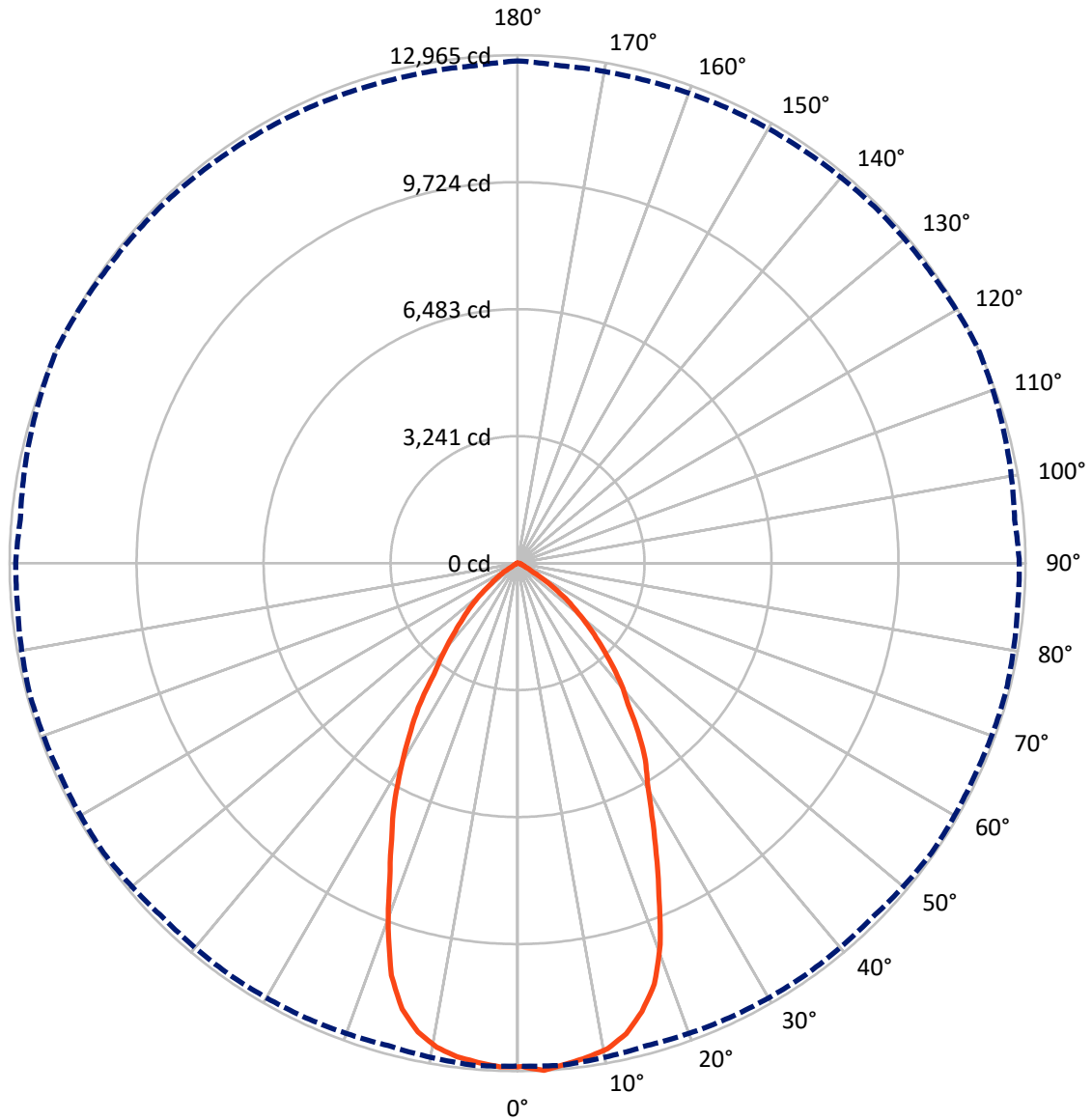
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 32.1 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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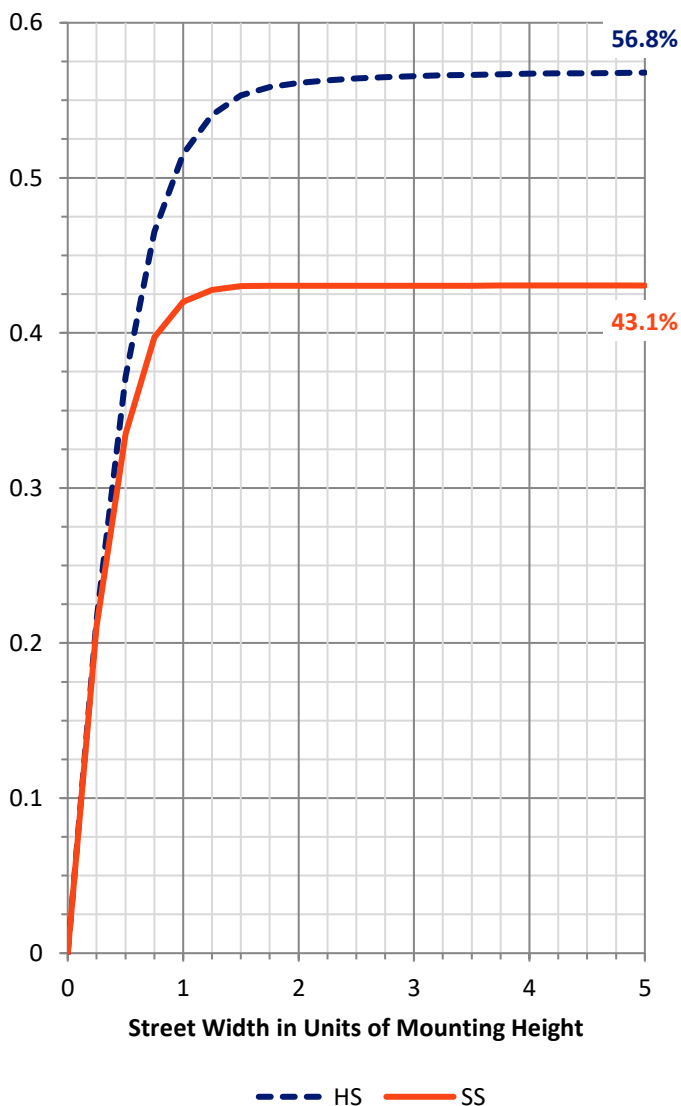
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8291.3	0.0	8291.3
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	6196.7	0.0	6196.7
	% Fixture	42.8	0.0	42.8
Total	Lumens	14488.1	0.0	14488.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1210.7	8.4
10°-20°	3210.2	22.2
20°-30°	3671.9	25.3
30°-40°	3146.7	21.7
40°-50°	2080.7	14.4
50°-60°	907.9	6.3
60°-70°	178.4	1.2
70°-80°	64.4	0.4
80°-90°	17.1	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°	14488.1	100.0
0°-180°	14488.1	100.0



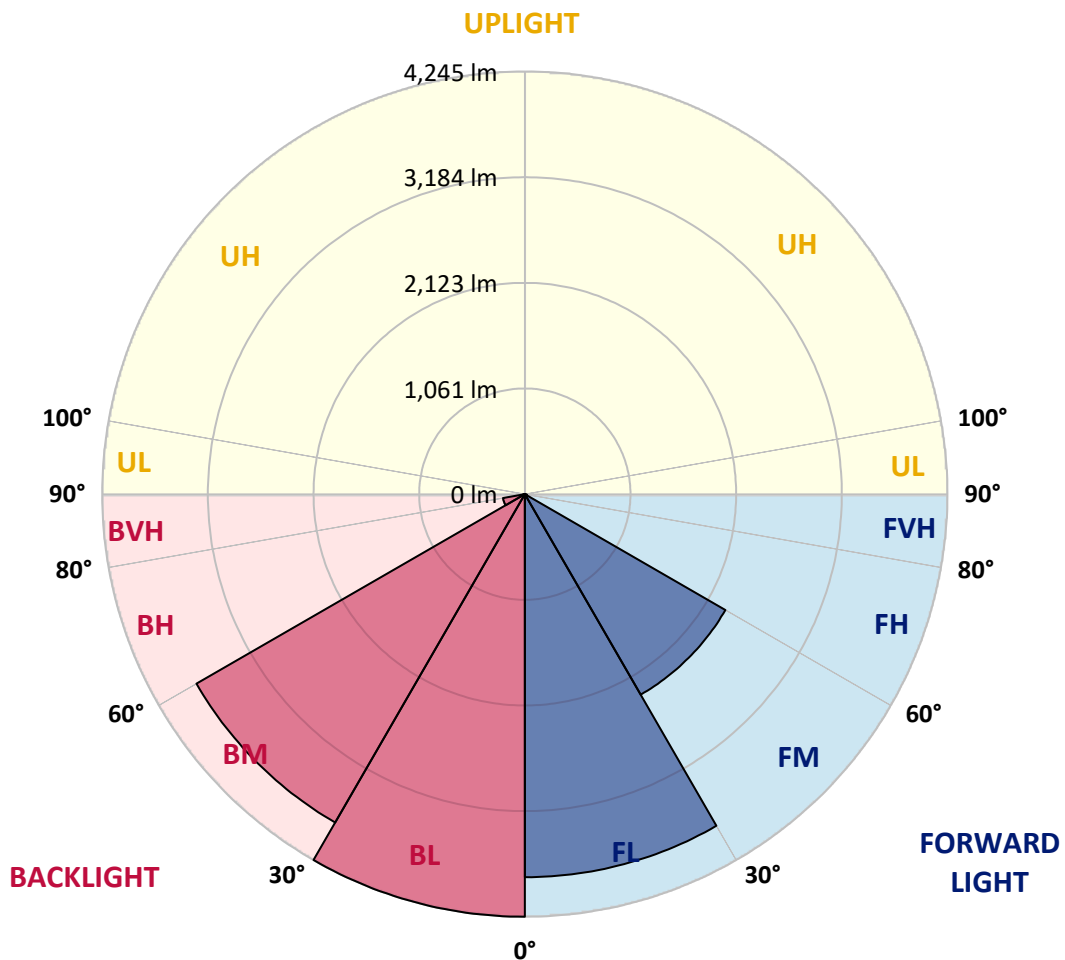
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3847.7	26.6			
FM (30°-60°)	2326.5	16.1			
FH (60°-80°)	19.7	0.1			G0/660
FVH (80°-90°)	2.8	0.0			G0/10
BL (0°-30°)	4245.1	29.3	B4/5000		
BM (30°-60°)	3808.9	26.3	B3/5000		
BH (60°-80°)	223.0	1.5	B1/500		G1/500
BVH (80°-90°)	14.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12854.6	12854.6	12854.6	12854.6	12854.6	12854.6	12854.6	12854.6	12854.6	12854.6
2.5°	12836.1	12866.9	12749.9	12802.2	12823.8	12796.0	12897.7	12866.9	12891.5	12814.5
5°	12836.1	12866.9	12731.4	12756.0	12762.2	12709.8	12820.7	12783.7	12786.8	12706.7
7.5°	12756.0	12793.0	12669.8	12688.3	12691.3	12648.2	12743.7	12691.3	12672.9	12589.7
10°	12540.4	12562.0	12451.1	12497.3	12540.4	12500.4	12583.5	12525.0	12525.0	12451.1
12.5°	12198.6	12238.6	12115.4	12170.9	12207.8	12161.6	12257.1	12235.5	12238.6	12164.7
15°	11576.5	11437.9	11585.7	11696.6	11699.7	11690.4	11779.8	11758.2	11773.6	11662.7
17.5°	8552.3	8518.4	8690.8	9999.7	10972.9	11105.3	11120.7	11003.7	10951.3	10843.5
20°	7924.0	7948.6	7911.7	7917.8	8684.7	10276.9	10181.4	9891.9	9759.5	9651.7
22.5°	7465.1	7425.1	7400.5	7385.1	7406.6	8444.5	9131.2	8693.9	8623.1	8570.7
25°	6966.2	6947.7	6916.9	6910.8	6898.5	6722.9	7711.5	7751.5	7637.6	7572.9
27.5°	6501.2	6488.9	6455.0	6451.9	6310.3	5885.3	5993.0	6944.7	6913.9	6889.2
30°	6005.4	5980.7	5962.2	5962.2	5534.2	5096.9	4921.3	6054.6	6054.6	6033.1
32.5°	5466.4	5444.9	5451.0	5377.1	4865.9	4465.5	4188.4	5226.2	5549.6	5531.1
35°	3341.4	3335.3	3960.5	4782.7	4182.2	3818.8	3800.3	4471.7	4942.9	4992.2
37.5°	2975.0	2956.5	2965.7	3018.1	3581.7	3436.9	3430.8	3544.7	4206.8	4231.5
40°	2670.1	2657.8	2648.5	2460.7	2282.0	3067.4	3045.8	2971.9	3594.0	3637.1
42.5°	2380.6	2368.3	2368.3	2103.4	1813.9	2522.3	2531.5	2445.3	3030.4	3045.8
45°	2081.9	2072.6	2020.3	1678.4	1595.3	1675.3	2097.3	1998.7	2405.2	2565.4
47.5°	982.4	976.3	1413.6	1395.1	1388.9	1339.7	1601.4	1656.9	1909.4	2069.5
50°	788.4	782.2	745.3	656.0	1142.6	1016.3	1154.9	1275.0	1355.1	1502.9
52.5°	652.9	646.7	569.7	505.1	634.4	742.2	689.8	853.1	850.0	1010.1
55°	428.1	397.3	437.3	412.7	332.6	538.9	526.6	646.7	631.3	769.9
57.5°	9.2	9.2	21.6	234.1	209.4	227.9	301.8	369.6	415.8	455.8
60°	3.1	3.1	6.2	12.3	86.2	95.5	117.0	135.5	190.9	237.1
62.5°	0.0	0.0	3.1	6.2	12.3	49.3	55.4	64.7	89.3	123.2
65°	0.0	0.0	0.0	3.1	6.2	12.3	18.5	40.0	55.4	70.8
67.5°	0.0	0.0	0.0	3.1	3.1	6.2	12.3	18.5	24.6	49.3
70°	0.0	0.0	0.0	3.1	3.1	6.2	9.2	12.3	18.5	24.6
72.5°	0.0	0.0	0.0	3.1	3.1	9.2	6.2	9.2	12.3	15.4
75°	0.0	0.0	0.0	3.1	3.1	3.1	6.2	9.2	9.2	12.3
77.5°	0.0	0.0	0.0	3.1	6.2	6.2	6.2	6.2	6.2	9.2
80°	0.0	0.0	0.0	3.1	3.1	6.2	9.2	12.3	6.2	6.2
82.5°	0.0	0.0	0.0	6.2	3.1	12.3	18.5	15.4	6.2	3.1
85°	0.0	0.0	0.0	3.1	12.3	15.4	15.4	9.2	3.1	3.1
87.5°	0.0	0.0	0.0	3.1	3.1	6.2	9.2	9.2	3.1	3.1
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°
12854.6	0°	12854.6	12854.6	12854.6	12854.6	12854.6	12854.6	12854.6	12854.6	12854.6
12808.4	2.5°	12737.5	12857.6	12965.4	12897.7	12873.0	12823.8	12786.8	12746.8	12743.7
12697.5	5°	12626.7	12740.6	12845.3	12765.2	12771.4	12746.8	12722.1	12712.9	12719.1
12583.5	7.5°	12531.2	12626.7	12740.6	12672.9	12691.3	12675.9	12663.6	12645.1	12672.9
12435.7	10°	12386.4	12472.7	12605.1	12540.4	12531.2	12515.8	12503.5	12469.6	12485.0
12167.8	12.5°	12069.2	12177.0	12327.9	12254.0	12278.7	12235.5	12217.1	12195.5	12198.6
11702.8	15°	11638.1	11721.2	11875.2	11816.7	11835.2	11807.5	11807.5	11807.5	11829.0
10858.9	17.5°	10886.6	11056.0	11299.3	11225.4	11253.1	11259.3	11253.1	11274.7	11302.4
9657.9	20°	9664.0	9953.5	10397.0	10541.7	10600.2	10603.3	10560.2	10612.6	10668.0
8533.8	22.5°	8539.9	8844.8	9235.9	9633.2	9879.6	9867.3	9873.4	9907.3	9965.8
7532.9	25°	7566.8	7859.3	8213.5	8567.7	9106.6	9217.5	9220.5	9251.3	9297.5
6849.2	27.5°	6864.6	6978.5	7301.9	7659.1	8238.1	8592.3	8573.8	8601.5	8650.8
5993.0	30°	6017.7	6455.0	6528.9	6747.6	7246.5	7896.3	7899.4	7930.2	7979.4
5488.0	32.5°	5472.6	5762.1	5990.0	5996.1	6421.1	7089.4	7221.8	7252.6	7286.5
4964.4	35°	4961.4	4995.2	5303.2	5389.4	5635.8	6297.9	6532.0	6550.5	6605.9
4222.2	37.5°	4293.1	4493.2	4579.5	4887.4	4899.8	5435.6	5900.7	5882.2	5925.3
3634.0	40°	3680.2	3871.2	4089.8	4314.6	4345.4	4745.8	5260.1	5278.6	5297.0
3015.0	42.5°	3039.6	3282.9	3507.7	3658.7	3868.1	4099.0	4588.7	4674.9	4718.1
2583.8	45°	2630.0	2697.8	2965.7	3187.5	3400.0	3507.7	3966.6	4123.7	4151.4
2044.9	47.5°	2072.6	2300.5	2482.2	2670.1	2934.9	3030.4	3363.0	3581.7	3603.2
1518.3	50°	1601.4	1764.7	2014.1	2183.5	2491.5	2543.8	2771.7	3055.0	3082.8
1016.3	52.5°	1145.6	1367.4	1610.7	1773.9	2069.5	2137.3	2306.7	2577.7	2596.2
779.2	55°	822.3	967.0	1167.2	1401.3	1616.8	1767.7	1884.8	2143.5	2168.1
511.2	57.5°	560.5	696.0	779.2	1013.2	1142.6	1305.8	1401.3	1598.4	1616.8
243.3	60°	267.9	332.6	397.3	514.3	597.5	736.0	797.6	877.7	899.3
147.8	62.5°	172.5	203.3	258.7	308.0	388.0	474.3	498.9	566.7	591.3
92.4	65°	113.9	144.7	203.3	215.6	295.6	363.4	394.2	443.5	471.2
55.4	67.5°	64.7	101.6	150.9	178.6	234.1	298.7	332.6	375.7	400.4
37.0	70°	43.1	83.2	120.1	147.8	184.8	240.2	283.3	320.3	335.7
18.5	72.5°	24.6	52.4	83.2	117.0	147.8	200.2	240.2	271.0	178.6
12.3	75°	15.4	40.0	70.8	98.5	123.2	160.1	194.0	190.9	80.1
9.2	77.5°	12.3	30.8	61.6	83.2	101.6	110.9	138.6	157.1	61.6
6.2	80°	9.2	24.6	55.4	70.8	40.0	80.1	107.8	117.0	43.1
6.2	82.5°	6.2	15.4	46.2	49.3	27.7	58.5	86.2	77.0	30.8
3.1	85°	3.1	9.2	15.4	27.7	24.6	27.7	21.6	30.8	21.6
3.1	87.5°	3.1	6.2	12.3	12.3	12.3	9.2	12.3	12.3	12.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
12854.6
12817.6
12796.0
12749.9
12558.9
12287.9
11838.3
11394.8
10704.9
9975.1
9377.6
8697.0
8065.7
7363.5
6664.4
5977.6
5355.6
4779.7
4219.2
3655.6
3122.8
2630.0
2189.6
1653.8
923.9
597.5
471.2
397.3
332.6
144.7
80.1
61.6
46.2
30.8
21.6
12.3
0.0

(END OF REPORT)