

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: P636500

Luminaire Tested: **IFLD-L-SA7E-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636500
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31017.2 lumens
Efficiency: N/A
Efficacy: 58.2 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): 532.7
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



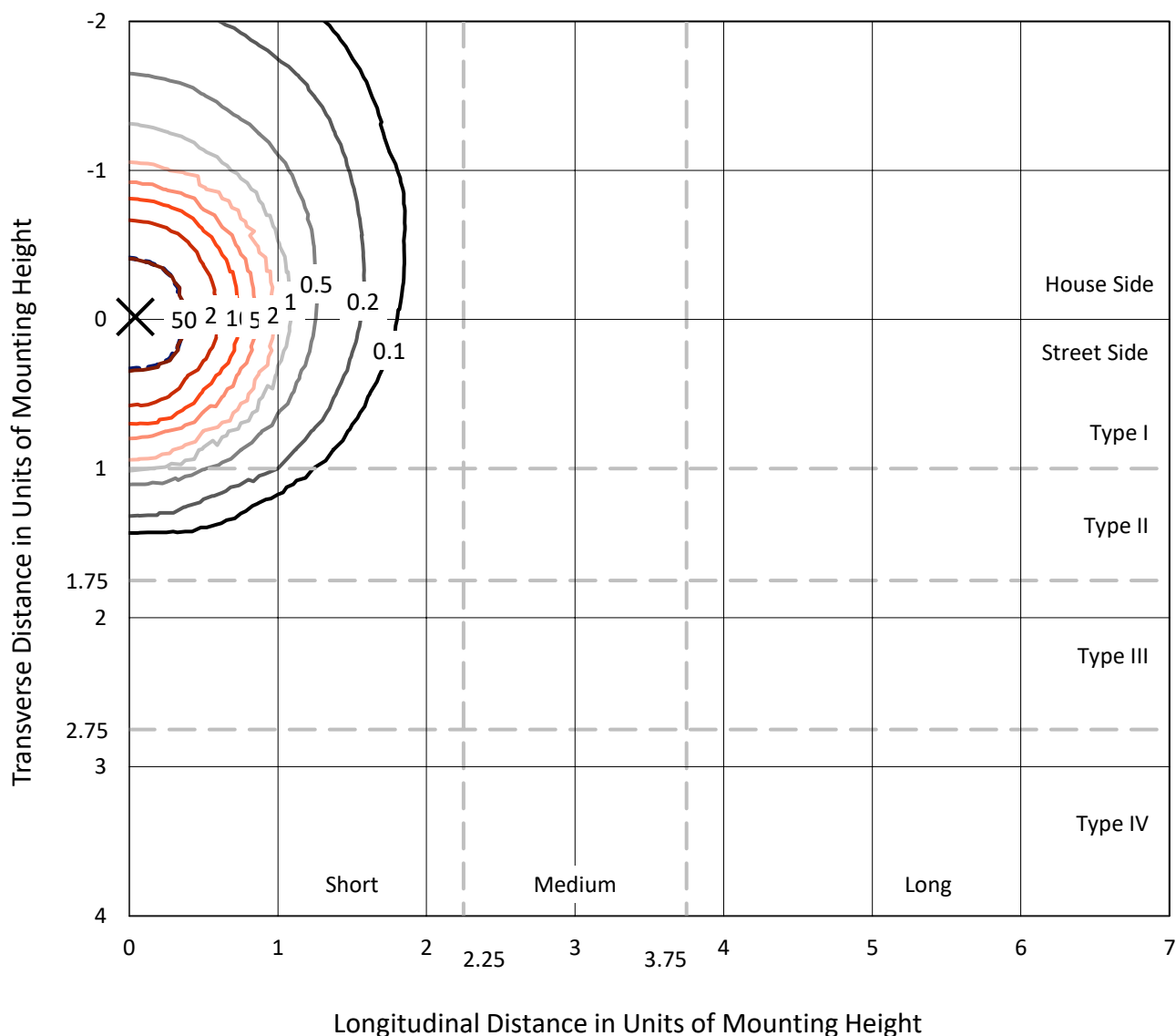
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

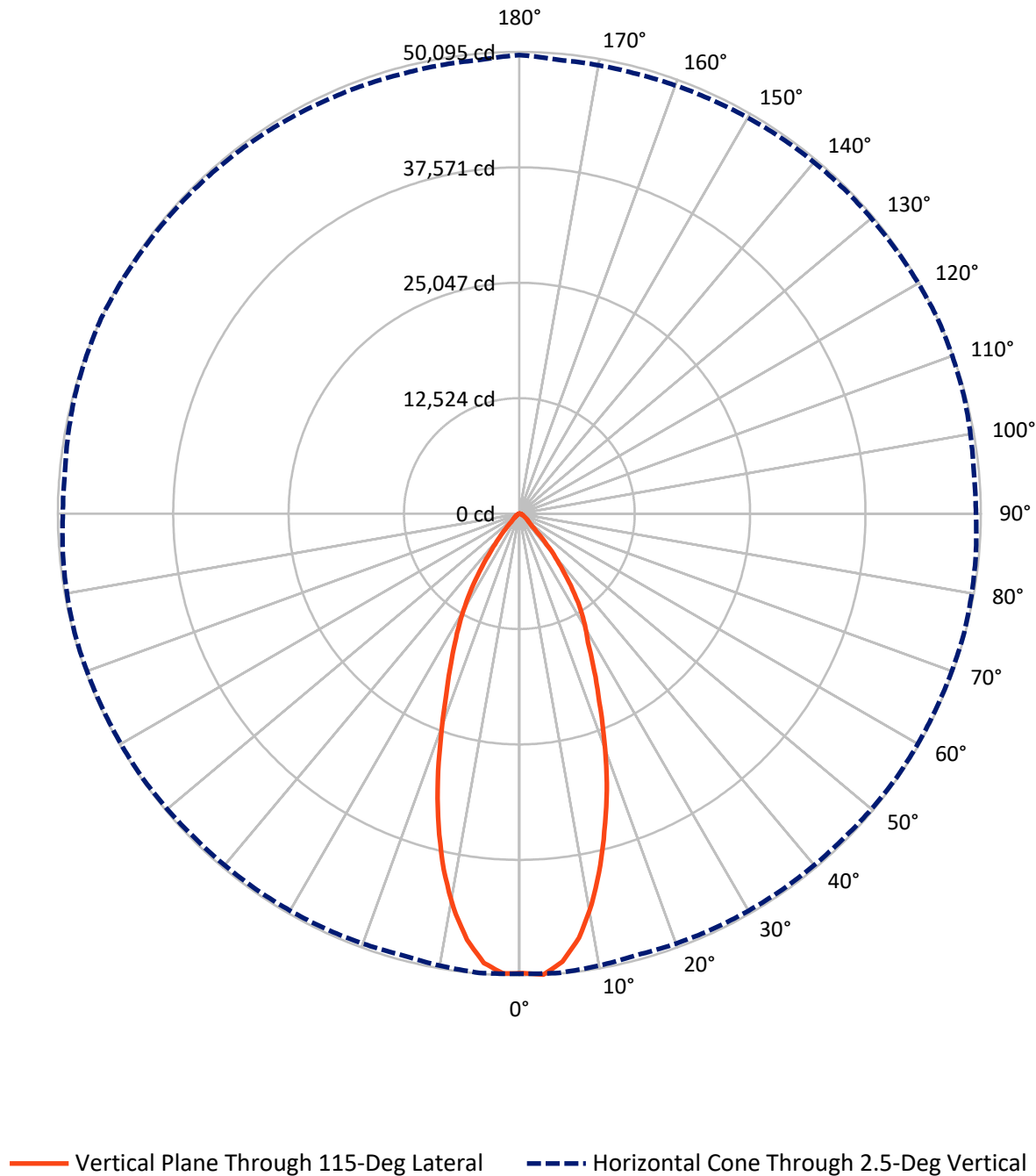


Based on 20 foot mounting height. Maximum calculated value = 124.7 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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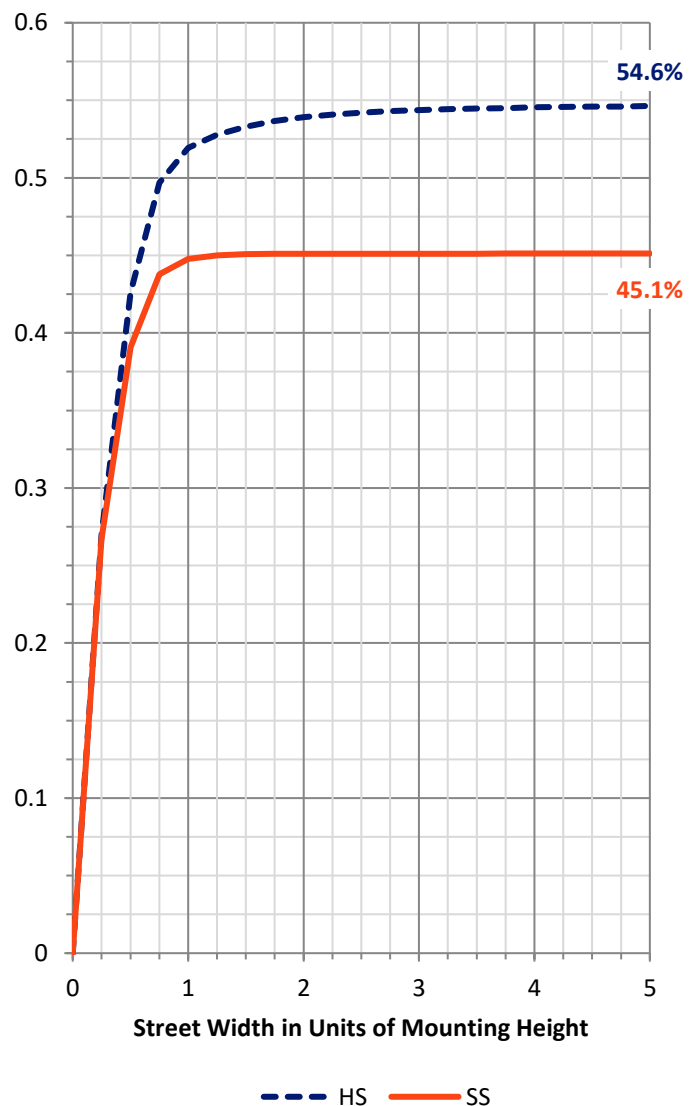
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17117.9	0.0	17117.9
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	13899.3	0.0	13899.3
	% Fixture	44.8	0.0	44.8
Total	Lumens	31017.2	0.0	31017.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4472.1	14.4
10°-20°	9451.6	30.5
20°-30°	8530.7	27.5
30°-40°	5645.3	18.2
40°-50°	1691.1	5.5
50°-60°	678.4	2.2
60°-70°	351.3	1.1
70°-80°	152.5	0.5
80°-90°	44.4	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°	31017.2	100.0
0°-180°	31017.2	100.0

Coefficient of Utilization



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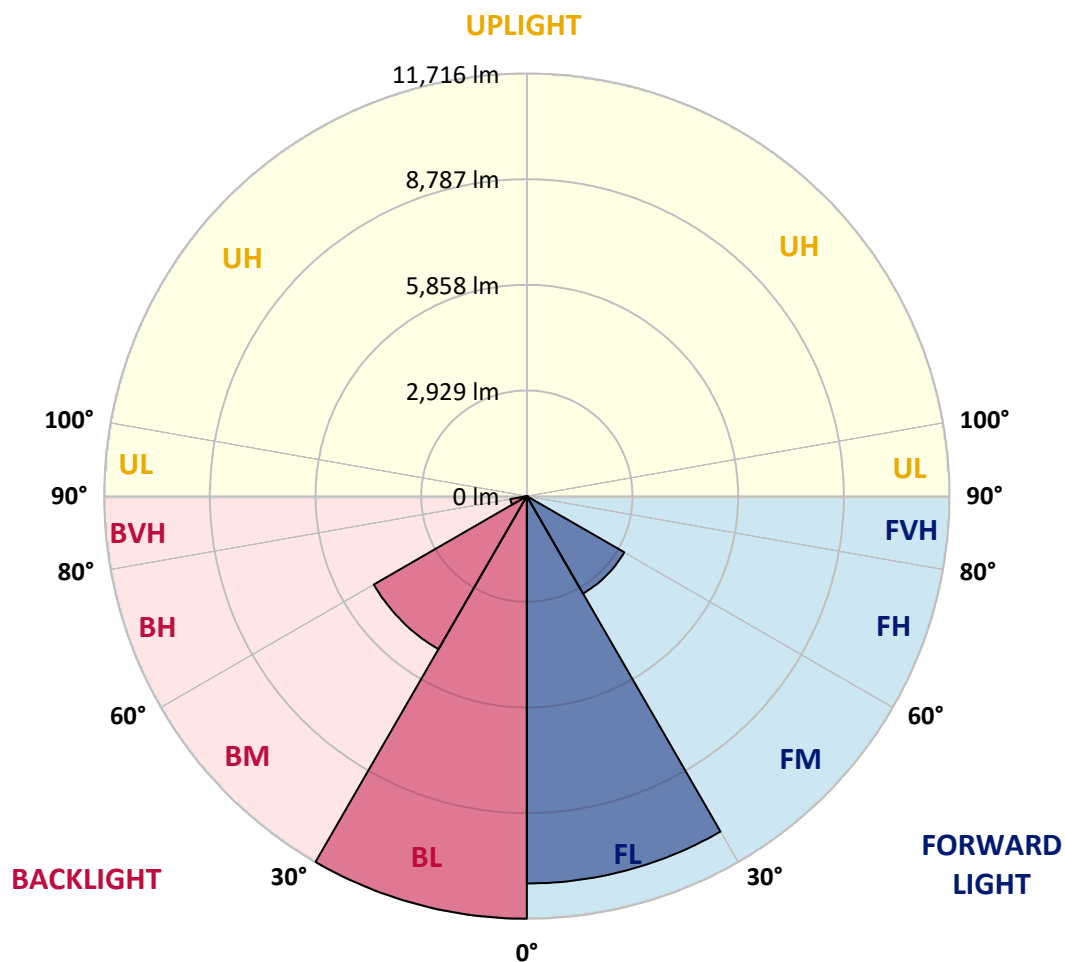
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10738.4	34.6			
FM	(30°-60°)	3115.9	10.0			
FH	(60°-80°)	38.6	0.1			G0/660
FVH	(80°-90°)	6.4	0.0			G0/10
BL	(0°-30°)	11716.0	37.8	B5		
BM	(30°-60°)	4898.7	15.8	B3/5000		
BH	(60°-80°)	465.2	1.5	B1/500		G1/500
BVH	(80°-90°)	38.0	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°	49860.2	49860.2	49860.2	49860.2	49860.2	49860.2	49860.2	49860.2	49860.2	49860.2
2.5°	49923.6	50012.4	49568.4	49720.6	49784.1	49803.1	49961.7	49936.3	49980.7	49746.0
5°	49263.9	49092.6	48762.7	48769.1	48750.1	48572.4	48934.0	48908.6	48832.5	48553.4
7.5°	47018.3	47265.7	46644.0	46631.3	46618.6	46403.0	46878.7	46586.9	46650.3	46250.7
10°	43732.3	43764.0	43212.2	43161.4	43205.8	42926.7	43478.6	43364.4	43484.9	43066.3
12.5°	39704.2	39881.8	39272.8	39184.0	39361.6	38968.3	39412.4	39469.5	39291.9	39234.8
15°	31140.4	31609.8	32764.4	34527.9	34984.6	34654.7	35010.0	35003.6	35079.7	34648.4
17.5°	23724.8	23769.2	23496.5	24340.1	29224.7	30810.5	30886.7	30284.0	29827.3	29668.7
20°	20711.6	20863.9	20616.5	20686.3	21466.5	26116.3	26293.9	25386.8	24606.6	24543.1
22.5°	18313.8	18408.9	18231.3	18288.4	18326.5	18872.0	21961.3	21162.0	20787.8	20502.3
25°	16283.9	16283.9	16188.7	16207.7	16169.7	15364.0	16949.9	17863.4	17647.7	17546.2
27.5°	14431.5	14456.9	14336.4	14406.2	13943.1	12642.7	12452.4	15148.4	14920.0	14736.0
30°	12674.4	12756.8	12642.7	12680.7	11672.1	10606.4	10060.8	12636.3	12921.8	12871.0
32.5°	9540.7	9914.9	10834.8	10872.8	9502.6	8684.3	8443.2	10143.3	11228.1	11132.9
35°	5912.2	5893.1	5931.2	7758.1	7288.7	6730.5	6819.3	7663.0	8887.3	8842.9
37.5°	4510.3	4503.9	4573.7	4389.7	4776.7	5106.5	5176.3	5176.3	6489.4	6495.8
40°	3419.2	3393.8	3387.4	3095.6	2594.5	3831.5	3717.3	3622.2	4510.3	4605.4
42.5°	2182.2	2258.3	2201.2	1884.0	1693.7	2093.4	2334.4	2258.3	2784.8	2854.6
45°	1218.0	1218.0	1167.2	989.6	983.2	1059.4	1332.1	1243.3	1427.3	1522.4
47.5°	589.9	577.3	634.4	780.3	812.0	786.6	951.5	989.6	1078.4	1167.2
50°	475.8	475.8	450.4	406.0	672.4	647.0	704.1	754.9	805.6	881.8
52.5°	399.6	399.6	367.9	342.6	387.0	494.8	501.1	596.3	589.9	697.8
55°	203.0	209.3	298.1	298.1	260.1	406.0	412.3	482.1	494.8	583.6
57.5°	19.0	25.4	38.1	184.0	203.0	222.0	310.8	355.2	412.3	450.4
60°	6.3	6.3	12.7	25.4	120.5	152.2	196.6	234.7	285.5	374.3
62.5°	0.0	0.0	6.3	12.7	25.4	95.2	107.8	120.5	171.3	234.7
65°	0.0	0.0	6.3	6.3	12.7	31.7	44.4	76.1	107.8	145.9
67.5°	0.0	0.0	6.3	6.3	12.7	19.0	25.4	38.1	50.7	95.2
70°	0.0	0.0	6.3	6.3	12.7	19.0	19.0	25.4	31.7	44.4
72.5°	0.0	0.0	6.3	6.3	12.7	25.4	19.0	19.0	25.4	31.7
75°	0.0	0.0	6.3	6.3	12.7	19.0	19.0	19.0	19.0	19.0
77.5°	0.0	0.0	6.3	6.3	12.7	19.0	19.0	19.0	12.7	12.7
80°	0.0	0.0	6.3	6.3	12.7	19.0	25.4	25.4	12.7	12.7
82.5°	0.0	0.0	6.3	12.7	12.7	31.7	38.1	31.7	12.7	6.3
85°	0.0	0.0	6.3	6.3	19.0	31.7	31.7	19.0	12.7	6.3
87.5°	0.0	0.0	0.0	6.3	6.3	12.7	19.0	19.0	6.3	6.3
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°
49860.2	0°	49860.2	49860.2	49860.2	49860.2	49860.2	49860.2	49860.2	49860.2	49860.2
49555.7	2.5°	49530.3	49917.3	50094.9	49910.9	49822.1	49695.2	49511.3	49384.4	49409.8
48401.2	5°	48293.3	48699.3	48838.9	48680.3	48547.1	48477.3	48445.6	48509.0	48673.9
46079.4	7.5°	46066.7	46326.8	46479.1	46403.0	46219.0	46428.3	46485.4	46447.4	46688.4
42939.4	10°	42952.1	43237.5	43098.0	43129.7	42914.0	43021.8	42990.1	43129.7	43370.7
39190.4	12.5°	38936.6	39209.4	39101.5	39082.5	38854.1	39057.1	38930.3	39082.5	39399.7
34470.8	15°	34718.2	34889.4	34819.7	34711.8	34508.8	34578.6	34971.9	34946.5	35086.1
29573.6	17.5°	29446.7	30271.3	30721.7	30816.9	30652.0	30791.5	31070.6	31000.9	31318.0
24409.9	20°	24365.5	25196.5	26306.6	27207.4	27226.4	27245.5	27423.1	27467.5	27740.3
20508.6	22.5°	20419.8	21009.8	22202.4	23395.0	24219.6	24390.9	24371.9	24435.3	24511.4
17406.7	25°	17362.3	17793.6	18884.7	19709.4	21155.7	21637.8	21777.4	21637.8	21682.2
14672.6	27.5°	14837.5	15497.3	15858.8	16740.6	18155.2	19271.7	19227.3	19144.8	19157.5
12769.5	30°	12763.2	13473.7	14006.5	14273.0	15338.7	16949.9	17114.9	16880.1	16886.5
11088.5	32.5°	11018.7	11240.7	12027.3	12243.0	12928.1	14393.5	14958.1	14780.4	14748.7
8868.3	35°	9128.3	9248.9	9610.5	10035.5	10441.5	11551.6	12484.1	12319.1	12401.6
6521.2	37.5°	6495.8	6990.6	7339.5	7688.4	7980.2	8678.0	9800.8	9648.5	9731.0
4618.1	40°	4580.0	4802.1	5404.7	5556.9	5988.3	6311.8	7263.3	7212.6	7314.1
2867.3	42.5°	2816.5	2975.1	3279.6	3425.5	3717.3	3901.3	4459.5	4522.9	4656.2
1585.9	45°	1598.6	1668.3	1877.7	2036.3	2252.0	2328.1	2524.7	2613.5	2689.7
1230.6	47.5°	1218.0	1294.1	1433.6	1573.2	1750.8	1814.3	1953.8	2087.0	2156.8
951.5	50°	995.9	1065.7	1211.6	1325.8	1503.4	1560.5	1674.7	1820.6	1909.4
723.2	52.5°	754.9	856.4	1034.0	1154.5	1338.5	1408.3	1516.1	1662.0	1744.5
596.3	55°	621.7	697.8	856.4	1021.3	1192.6	1287.7	1357.5	1535.1	1623.9
488.5	57.5°	532.9	589.9	691.4	888.1	1034.0	1173.6	1230.6	1395.6	1484.4
387.0	60°	406.0	494.8	583.6	735.8	900.8	1046.7	1110.1	1256.0	1325.8
279.1	62.5°	336.2	393.3	507.5	589.9	773.9	926.2	989.6	1122.8	1173.6
184.0	65°	234.7	317.2	425.0	475.8	647.0	792.9	881.8	983.2	1034.0
107.8	67.5°	139.6	234.7	336.2	406.0	526.5	672.4	767.6	862.7	907.1
63.4	70°	88.8	184.0	266.4	342.6	412.3	551.9	666.1	748.5	729.5
38.1	72.5°	50.7	114.2	196.6	279.1	342.6	463.1	570.9	634.4	450.4
25.4	75°	31.7	82.5	164.9	228.4	279.1	367.9	469.4	482.1	279.1
12.7	77.5°	25.4	63.4	126.9	184.0	190.3	272.8	329.9	374.3	209.3
12.7	80°	12.7	50.7	107.8	152.2	120.5	190.3	253.7	291.8	164.9
6.3	82.5°	12.7	31.7	82.5	107.8	88.8	145.9	184.0	209.3	139.6
6.3	85°	6.3	25.4	44.4	63.4	63.4	95.2	82.5	101.5	88.8
6.3	87.5°	6.3	12.7	25.4	31.7	25.4	38.1	44.4	44.4	38.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
49860.2
49752.3
49016.5
46929.5
43465.9
39456.8
35117.8
31267.3
27683.2
24371.9
21612.4
19176.5
16892.8
14824.8
12477.7
9800.8
7352.2
4808.4
2683.3
2188.5
1947.5
1801.6
1649.3
1522.4
1338.5
1179.9
1034.0
900.8
672.4
399.6
260.1
209.3
171.3
152.2
88.8
31.7
0.0

(END OF REPORT)