

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: P636461

Luminaire Tested: **IFLD-S-SA6E-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636461
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-930-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28022.2 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2
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



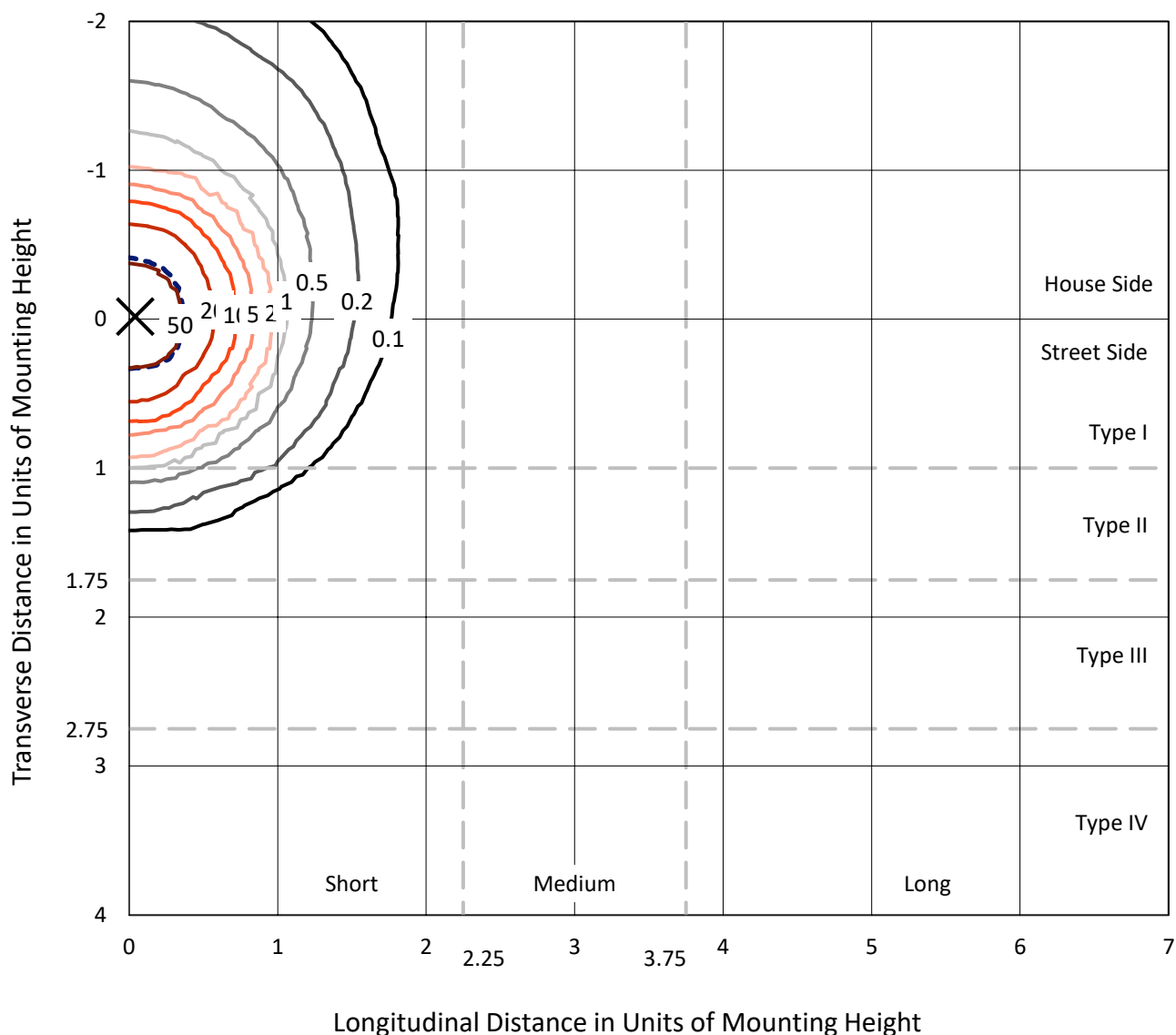
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

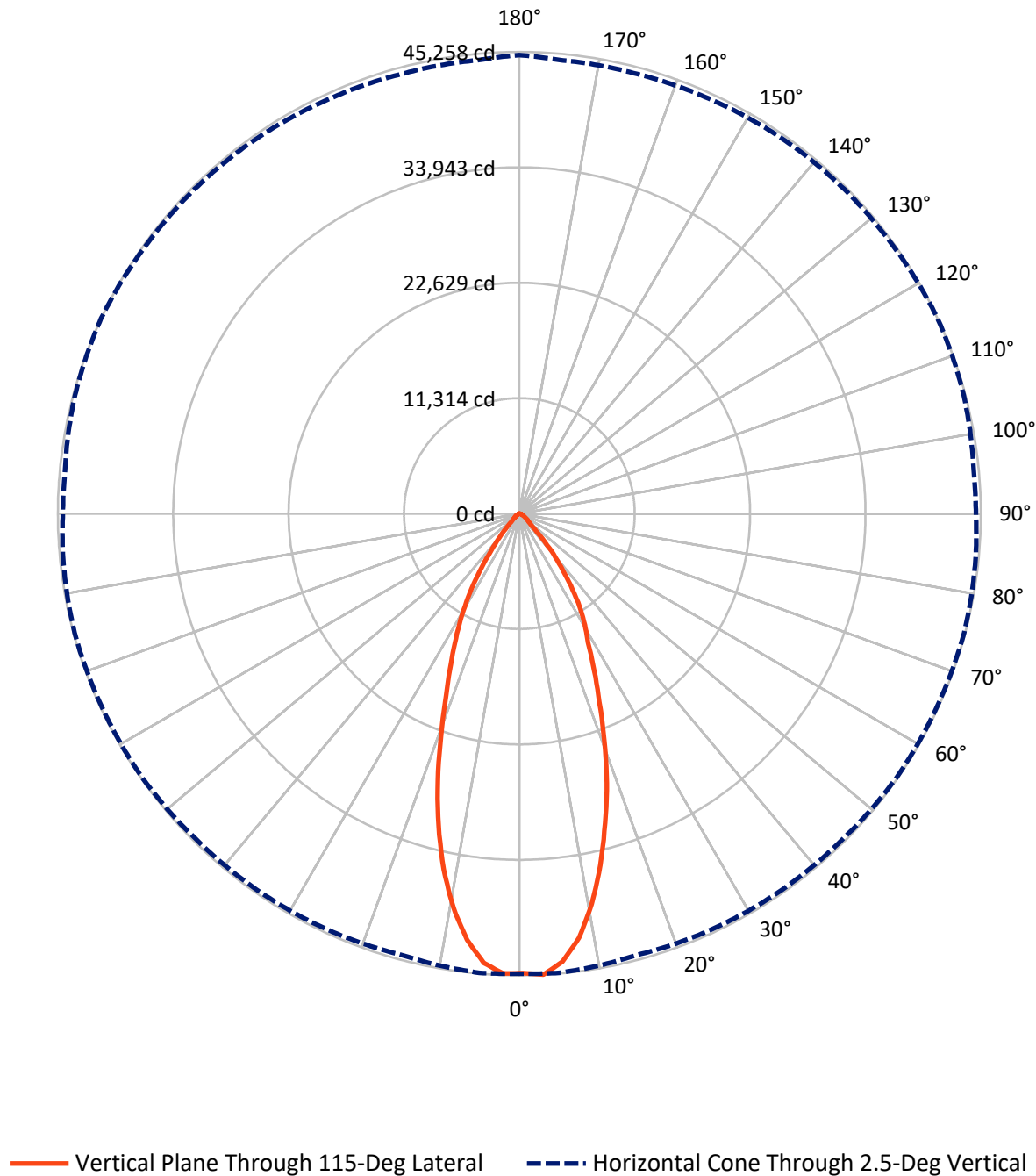


Based on 20 foot mounting height. Maximum calculated value = 112.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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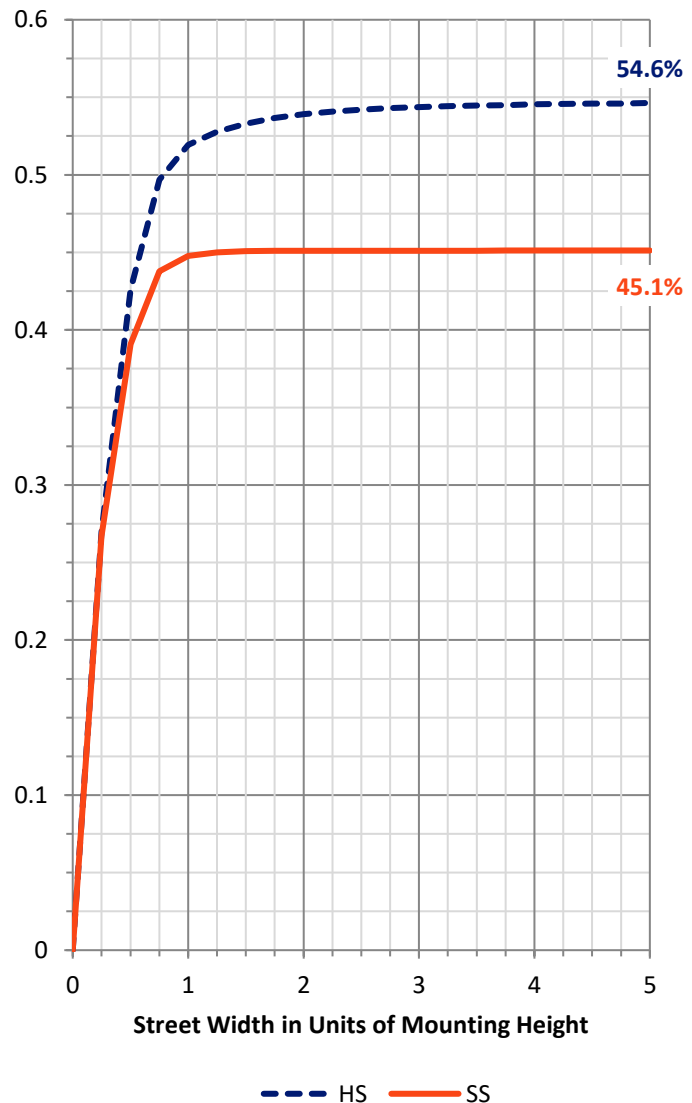
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15465.0	0.0	15465.0
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	12557.2	0.0	12557.2
	% Fixture	44.8	0.0	44.8
Total	Lumens	28022.2	0.0	28022.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4040.3	14.4
10°-20°	8539.0	30.5
20°-30°	7707.0	27.5
30°-40°	5100.1	18.2
40°-50°	1527.8	5.5
50°-60°	612.9	2.2
60°-70°	317.4	1.1
70°-80°	137.8	0.5
80°-90°	40.1	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°	28022.2	100.0
0°-180°	28022.2	100.0

Coefficient of Utilization



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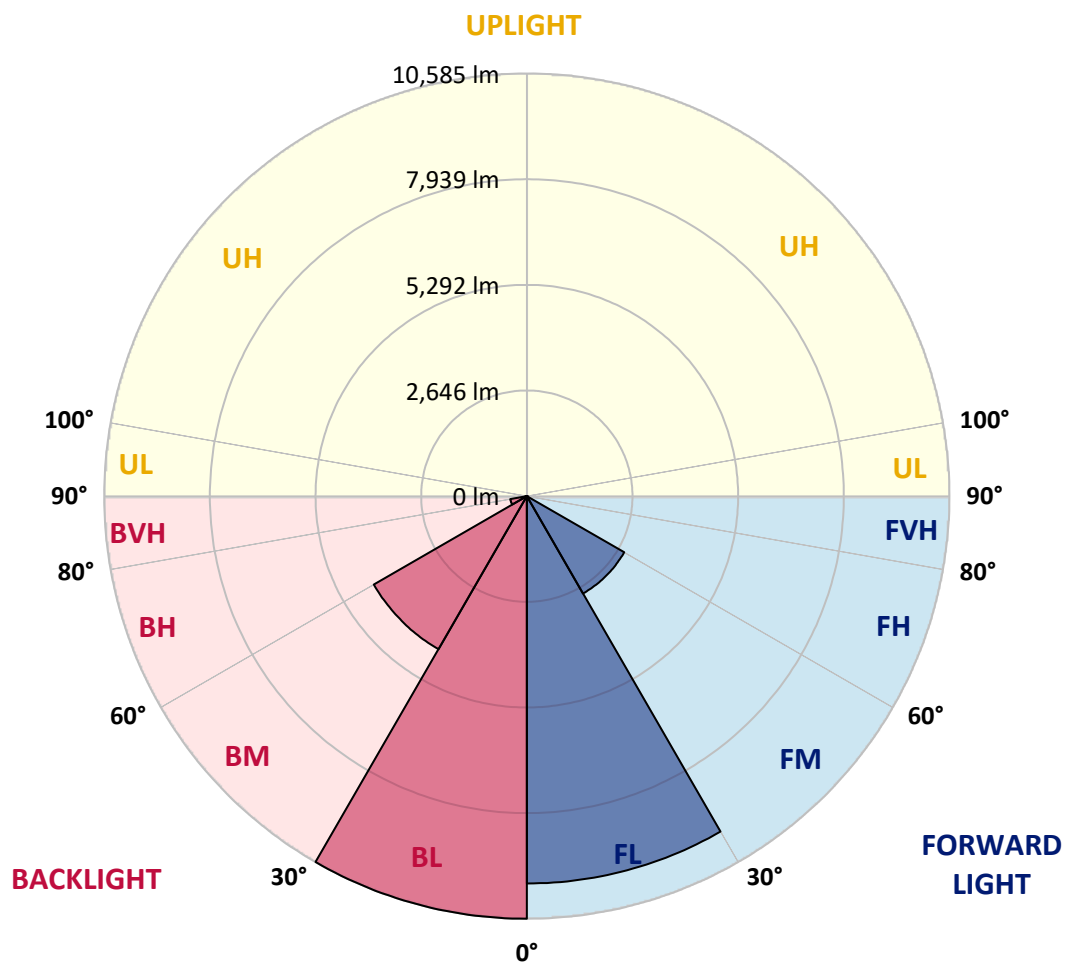
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9701.5	34.6			
FM	(30°-60°)	2815.1	10.0			
FH	(60°-80°)	34.9	0.1			G0/660
FVH	(80°-90°)	5.8	0.0			G0/10
BL	(0°-30°)	10584.7	37.8	B5		
BM	(30°-60°)	4425.7	15.8	B3/5000		
BH	(60°-80°)	420.3	1.5	B1/500		G1/500
BVH	(80°-90°)	34.3	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	45045.7	45045.7	45045.7	45045.7	45045.7	45045.7	45045.7	45045.7	45045.7	45045.7
2.5°	45103.0	45183.2	44782.0	44919.6	44976.9	44994.1	45137.3	45114.4	45154.5	44942.5
5°	44506.9	44352.2	44054.2	44059.9	44042.7	43882.3	44208.9	44186.0	44117.2	43865.1
7.5°	42478.2	42701.7	42140.0	42128.6	42117.1	41922.3	42352.1	42088.5	42145.8	41784.7
10°	39509.5	39538.2	39039.6	38993.7	39033.8	38781.7	39280.3	39177.1	39286.0	38907.8
12.5°	35870.3	36030.8	35480.6	35400.4	35560.8	35205.5	35606.7	35658.3	35497.8	35446.2
15°	28133.5	28557.6	29600.6	31193.8	31606.5	31308.4	31629.4	31623.7	31692.4	31302.7
17.5°	21433.9	21474.1	21227.6	21989.8	26402.7	27835.5	27904.2	27359.8	26947.2	26803.9
20°	18711.7	18849.3	18625.7	18688.8	19393.7	23594.5	23755.0	22935.5	22230.5	22173.2
22.5°	16545.4	16631.4	16470.9	16522.5	16556.9	17049.7	19840.7	19118.6	18780.5	18522.6
25°	14711.5	14711.5	14625.5	14642.7	14608.3	13880.5	15313.2	16138.5	15943.6	15851.9
27.5°	13038.0	13060.9	12952.1	13015.1	12596.7	11421.9	11250.0	13685.6	13479.3	13313.1
30°	11450.5	11525.0	11421.9	11456.3	10545.0	9582.2	9089.4	11416.2	11674.0	11628.2
32.5°	8619.4	8957.6	9788.5	9822.9	8585.0	7845.7	7628.0	9163.9	10143.9	10057.9
35°	5341.3	5324.1	5358.5	7009.0	6584.9	6080.6	6160.8	6923.0	8029.1	7989.0
37.5°	4074.7	4069.0	4132.1	3965.9	4315.4	4613.5	4676.5	4676.5	5862.8	5868.5
40°	3089.0	3066.1	3060.4	2796.7	2344.0	3461.5	3358.4	3272.4	4074.7	4160.7
42.5°	1971.5	2040.2	1988.7	1702.1	1530.2	1891.2	2109.0	2040.2	2515.9	2578.9
45°	1100.4	1100.4	1054.5	894.0	888.3	957.1	1203.5	1123.3	1289.5	1375.4
47.5°	533.0	521.5	573.1	704.9	733.6	710.6	859.6	894.0	974.3	1054.5
50°	429.8	429.8	406.9	366.8	607.5	584.6	636.1	682.0	727.8	796.6
52.5°	361.1	361.1	332.4	309.5	349.6	447.0	452.7	538.7	533.0	630.4
55°	183.4	189.1	269.4	269.4	235.0	366.8	372.5	435.6	447.0	527.3
57.5°	17.2	22.9	34.4	166.2	183.4	200.6	280.8	320.9	372.5	406.9
60°	5.7	5.7	11.5	22.9	108.9	137.5	177.7	212.0	257.9	338.1
62.5°	0.0	0.0	5.7	11.5	22.9	86.0	97.4	108.9	154.7	212.0
65°	0.0	0.0	5.7	5.7	11.5	28.7	40.1	68.8	97.4	131.8
67.5°	0.0	0.0	5.7	5.7	11.5	17.2	22.9	34.4	45.8	86.0
70°	0.0	0.0	5.7	5.7	11.5	17.2	17.2	22.9	28.7	40.1
72.5°	0.0	0.0	5.7	5.7	11.5	22.9	17.2	17.2	22.9	28.7
75°	0.0	0.0	5.7	5.7	11.5	17.2	17.2	17.2	17.2	17.2
77.5°	0.0	0.0	5.7	5.7	11.5	17.2	17.2	17.2	11.5	11.5
80°	0.0	0.0	5.7	5.7	11.5	17.2	22.9	22.9	11.5	11.5
82.5°	0.0	0.0	5.7	11.5	11.5	28.7	34.4	28.7	11.5	5.7
85°	0.0	0.0	5.7	5.7	17.2	28.7	28.7	17.2	11.5	5.7
87.5°	0.0	0.0	0.0	5.7	5.7	11.5	17.2	17.2	5.7	5.7
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°
45045.7	0°	45045.7	45045.7	45045.7	45045.7	45045.7	45045.7	45045.7	45045.7	45045.7
44770.6	2.5°	44747.6	45097.2	45257.7	45091.5	45011.3	44896.6	44730.4	44615.8	44638.8
43727.5	5°	43630.1	43996.9	44123.0	43979.7	43859.3	43796.3	43767.6	43824.9	43974.0
41630.0	7.5°	41618.5	41853.5	41991.0	41922.3	41756.1	41945.2	41996.8	41962.4	42180.2
38793.1	10°	38804.6	39062.5	38936.4	38965.1	38770.2	38867.6	38839.0	38965.1	39182.8
35406.1	12.5°	35176.9	35423.3	35325.9	35308.7	35102.4	35285.8	35171.1	35308.7	35595.2
31142.2	15°	31365.8	31520.5	31457.5	31360.0	31176.6	31239.7	31595.0	31572.1	31698.2
26717.9	17.5°	26603.3	27348.3	27755.2	27841.2	27692.2	27818.3	28070.4	28007.4	28293.9
22052.9	20°	22012.8	22763.5	23766.5	24580.3	24597.4	24614.6	24775.1	24815.2	25061.7
18528.3	22.5°	18448.1	18981.1	20058.5	21135.9	21881.0	22035.7	22018.5	22075.8	22144.6
15725.9	25°	15685.7	16075.5	17061.2	17806.2	19112.9	19548.4	19674.5	19548.4	19588.6
13255.8	27.5°	13404.8	14000.8	14327.5	15124.1	16402.1	17410.8	17370.7	17296.2	17307.6
11536.5	30°	11530.8	12172.6	12654.0	12894.7	13857.6	15313.2	15462.2	15250.2	15255.9
10017.8	32.5°	9954.7	10155.3	10866.0	11060.8	11679.8	13003.6	13513.7	13353.2	13324.6
8011.9	35°	8246.9	8355.8	8682.5	9066.4	9433.2	10436.1	11278.6	11129.6	11204.1
5891.5	37.5°	5868.5	6315.6	6630.8	6946.0	7209.6	7840.0	8854.4	8716.8	8791.4
4172.2	40°	4137.8	4338.4	4882.8	5020.4	5410.1	5702.3	6562.0	6516.1	6607.8
2590.4	42.5°	2544.6	2687.8	2962.9	3094.7	3358.4	3524.6	4028.9	4086.2	4206.6
1432.7	45°	1444.2	1507.3	1696.4	1839.7	2034.5	2103.3	2280.9	2361.2	2429.9
1111.8	47.5°	1100.4	1169.1	1295.2	1421.3	1581.8	1639.1	1765.1	1885.5	1948.5
859.6	50°	899.8	962.8	1094.6	1197.8	1358.2	1409.8	1513.0	1644.8	1725.0
653.3	52.5°	682.0	773.7	934.2	1043.0	1209.2	1272.3	1369.7	1501.5	1576.0
538.7	55°	561.6	630.4	773.7	922.7	1077.4	1163.4	1226.4	1386.9	1467.1
441.3	57.5°	481.4	533.0	624.7	802.3	934.2	1060.2	1111.8	1260.8	1341.1
349.6	60°	366.8	447.0	527.3	664.8	813.8	945.6	1002.9	1134.7	1197.8
252.2	62.5°	303.7	355.3	458.5	533.0	699.2	836.7	894.0	1014.4	1060.2
166.2	65°	212.0	286.5	384.0	429.8	584.6	716.4	796.6	888.3	934.2
97.4	67.5°	126.1	212.0	303.7	366.8	475.7	607.5	693.5	779.4	819.5
57.3	70°	80.2	166.2	240.7	309.5	372.5	498.6	601.8	676.3	659.1
34.4	72.5°	45.8	103.2	177.7	252.2	309.5	418.4	515.8	573.1	406.9
22.9	75°	28.7	74.5	149.0	206.3	252.2	332.4	424.1	435.6	252.2
11.5	77.5°	22.9	57.3	114.6	166.2	171.9	246.4	298.0	338.1	189.1
11.5	80°	11.5	45.8	97.4	137.5	108.9	171.9	229.2	263.6	149.0
5.7	82.5°	11.5	28.7	74.5	97.4	80.2	131.8	166.2	189.1	126.1
5.7	85°	5.7	22.9	40.1	57.3	57.3	86.0	74.5	91.7	80.2
5.7	87.5°	5.7	11.5	22.9	28.7	22.9	34.4	40.1	40.1	34.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
45045.7
44948.2
44283.4
42397.9
39268.8
35646.8
31726.8
28248.1
25010.1
22018.5
19525.5
17324.8
15261.7
13393.3
11272.9
8854.4
6642.2
4344.1
2424.2
1977.2
1759.4
1627.6
1490.1
1375.4
1209.2
1066.0
934.2
813.8
607.5
361.1
235.0
189.1
154.7
137.5
80.2
28.7
0.0

(END OF REPORT)