

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: P636496

Luminaire Tested: **IFLD-L-SA7A-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636496
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-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: 17198 lumens
Efficiency: N/A
Efficacy: 79.0 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): 217.6
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

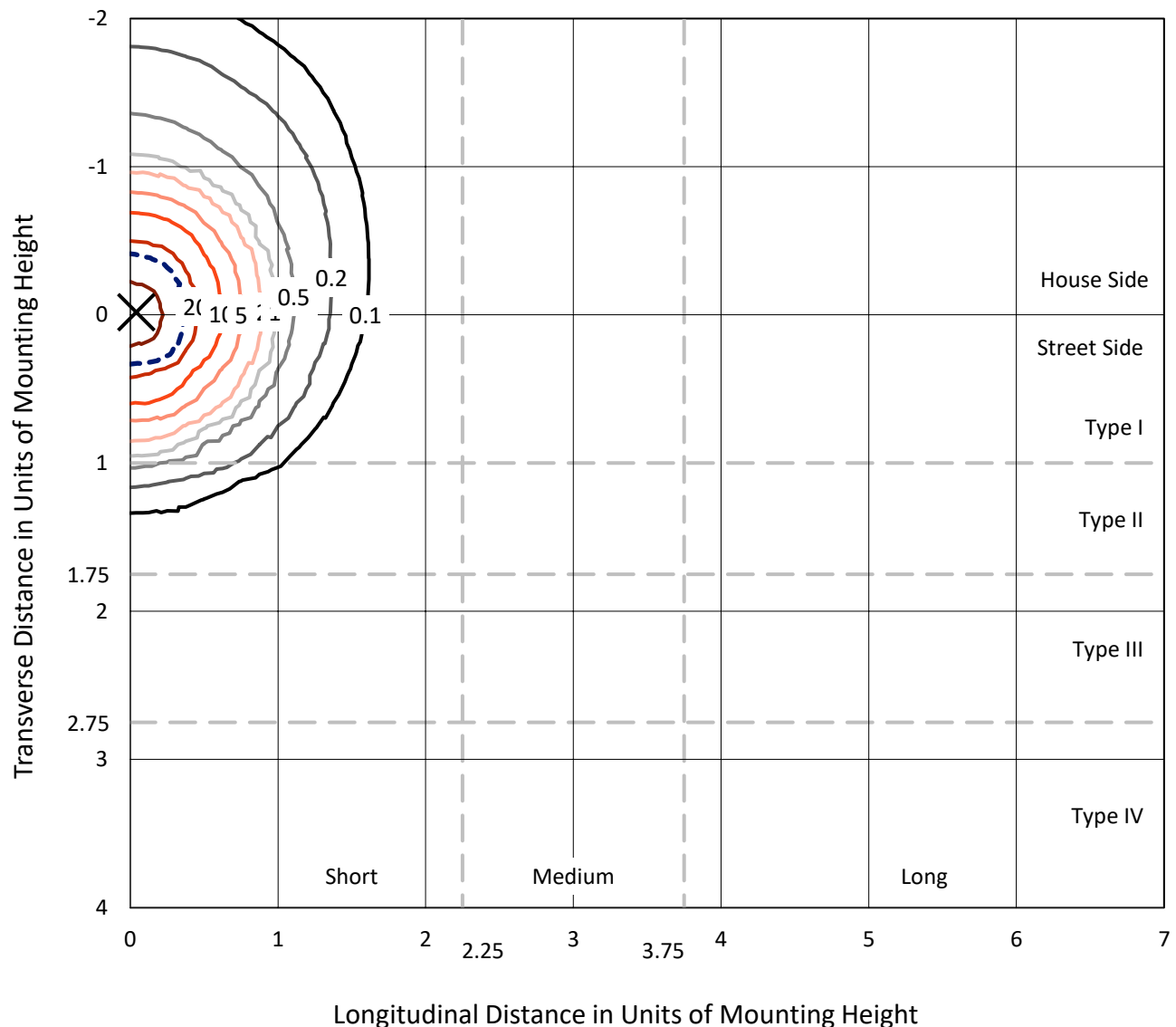


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



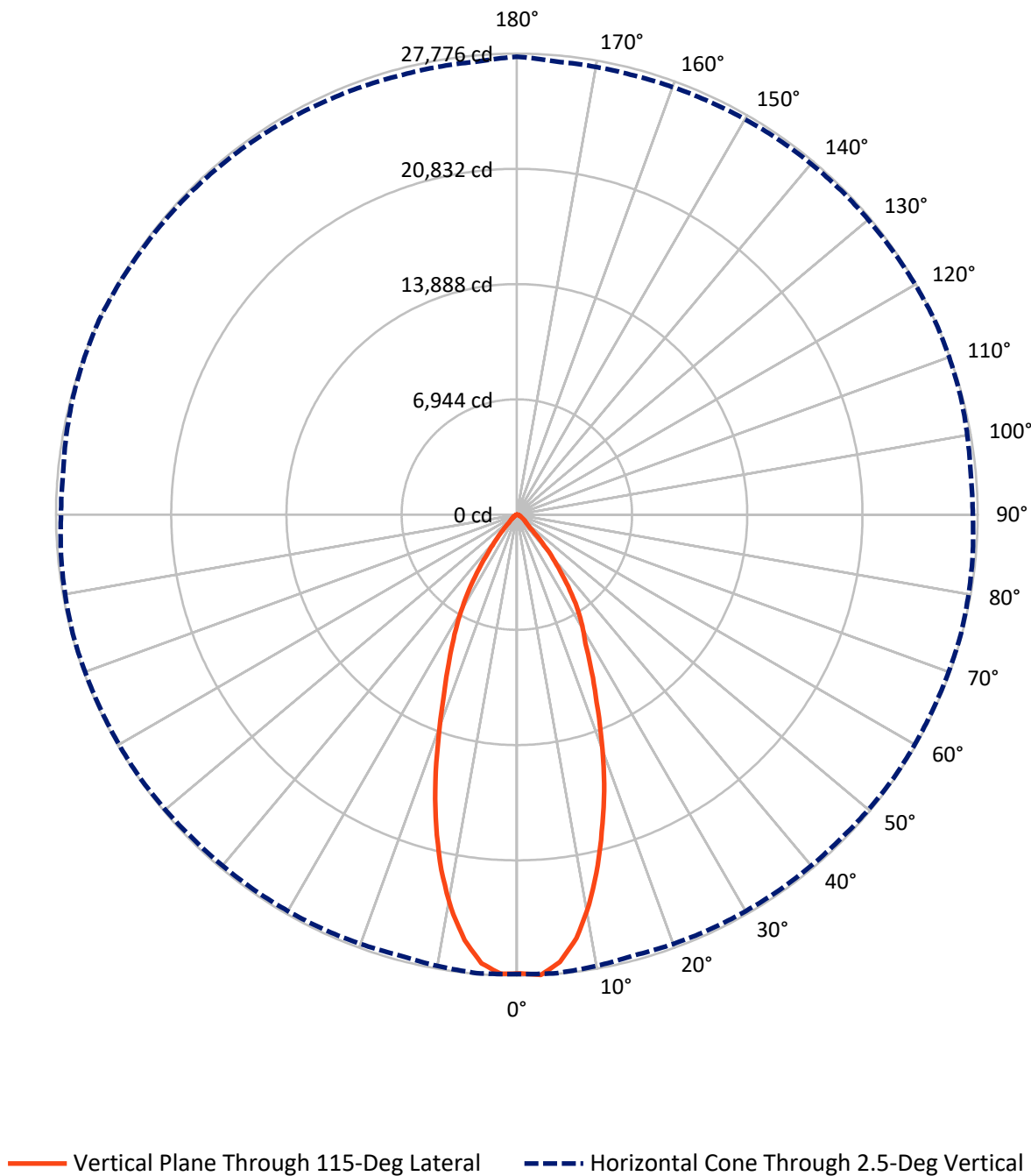
Based on 20 foot mounting height. Maximum calculated value = 69.1 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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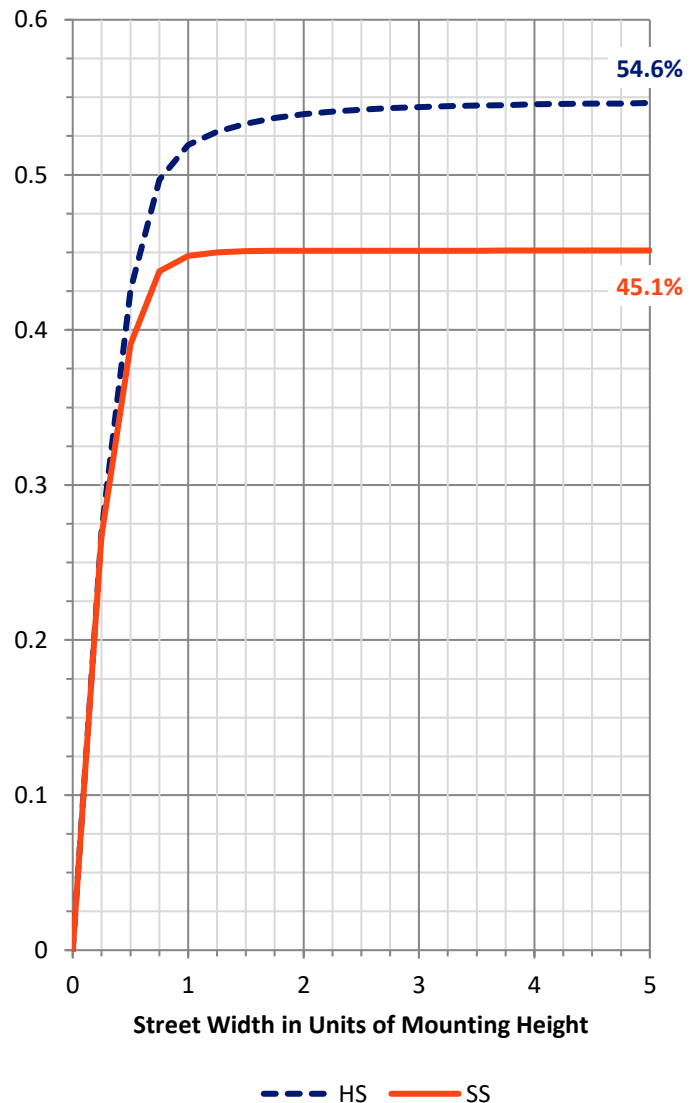
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9491.3	0.0	9491.3
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	7706.7	0.0	7706.7
	% Fixture	44.8	0.0	44.8
Total	Lumens	17198.0	0.0	17198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2479.6	14.4
10°-20°	5240.6	30.5
20°-30°	4730.0	27.5
30°-40°	3130.1	18.2
40°-50°	937.6	5.5
50°-60°	376.1	2.2
60°-70°	194.8	1.1
70°-80°	84.6	0.5
80°-90°	24.6	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°	17198.0	100.0
0°-180°	17198.0	100.0

Coefficient of Utilization



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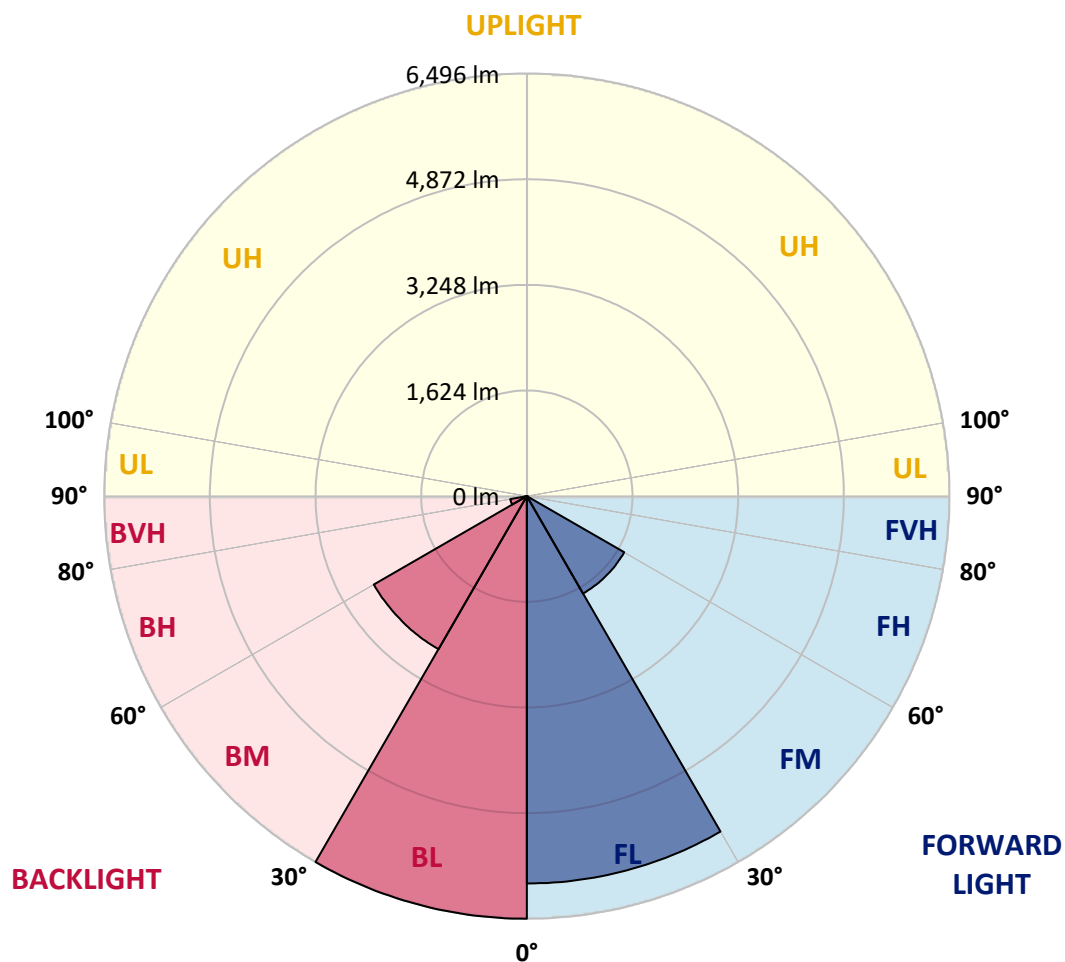
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5954.1	34.6			
FM	(30°-60°)	1727.7	10.0			
FH	(60°-80°)	21.4	0.1			G0/660
FVH	(80°-90°)	3.5	0.0			G0/10
BL	(0°-30°)	6496.1	37.8	B5		
BM	(30°-60°)	2716.2	15.8	B3/5000		
BH	(60°-80°)	257.9	1.5	B1/500		G1/500
BVH	(80°-90°)	21.1	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°	27645.9	27645.9	27645.9	27645.9	27645.9	27645.9	27645.9	27645.9	27645.9	27645.9
2.5°	27681.1	27730.3	27484.1	27568.5	27603.7	27614.2	27702.2	27688.1	27712.7	27582.6
5°	27315.3	27220.3	27037.4	27040.9	27030.4	26931.9	27132.4	27118.3	27076.1	26921.3
7.5°	26070.1	26207.3	25862.6	25855.6	25848.5	25729.0	25992.8	25831.0	25866.1	25644.5
10°	24248.2	24265.8	23959.8	23931.6	23956.2	23801.5	24107.5	24044.2	24111.0	23878.9
12.5°	22014.7	22113.2	21775.5	21726.3	21824.8	21606.7	21852.9	21884.6	21786.1	21754.4
15°	17266.4	17526.6	18166.8	19144.6	19397.8	19214.9	19411.9	19408.4	19450.6	19211.4
17.5°	13154.7	13179.3	13028.0	13495.8	16204.1	17083.5	17125.7	16791.5	16538.3	16450.4
20°	11483.9	11568.4	11431.2	11469.9	11902.5	14480.7	14579.2	14076.2	13643.6	13608.4
22.5°	10154.4	10207.2	10108.7	10140.3	10161.4	10463.9	12176.8	11733.7	11526.2	11367.9
25°	9028.9	9028.9	8976.1	8986.7	8965.6	8518.9	9398.2	9904.7	9785.1	9728.8
27.5°	8001.8	8015.9	7949.1	7987.8	7731.0	7010.0	6904.4	8399.3	8272.7	8170.7
30°	7027.5	7073.3	7010.0	7031.1	6471.8	5880.9	5578.4	7006.4	7164.7	7136.6
32.5°	5290.0	5497.5	6007.5	6028.6	5268.9	4815.2	4681.5	5624.1	6225.6	6172.8
35°	3278.1	3267.6	3288.7	4301.6	4041.4	3731.8	3781.1	4248.9	4927.7	4903.1
37.5°	2500.8	2497.3	2536.0	2434.0	2648.5	2831.4	2870.1	2870.1	3598.2	3601.7
40°	1895.8	1881.7	1878.2	1716.4	1438.6	2124.4	2061.1	2008.4	2500.8	2553.6
42.5°	1209.9	1252.2	1220.5	1044.6	939.1	1160.7	1294.4	1252.2	1544.1	1582.8
45°	675.3	675.3	647.2	548.7	545.2	587.4	738.6	689.4	791.4	844.1
47.5°	327.1	320.1	351.7	432.6	450.2	436.1	527.6	548.7	597.9	647.2
50°	263.8	263.8	249.7	225.1	372.8	358.8	390.4	418.6	446.7	488.9
52.5°	221.6	221.6	204.0	189.9	214.6	274.3	277.9	330.6	327.1	386.9
55°	112.6	116.1	165.3	165.3	144.2	225.1	228.6	267.3	274.3	323.6
57.5°	10.6	14.1	21.1	102.0	112.6	123.1	172.3	197.0	228.6	249.7
60°	3.5	3.5	7.0	14.1	66.8	84.4	109.0	130.1	158.3	207.5
62.5°	0.0	0.0	3.5	7.0	14.1	52.8	59.8	66.8	95.0	130.1
65°	0.0	0.0	3.5	3.5	7.0	17.6	24.6	42.2	59.8	80.9
67.5°	0.0	0.0	3.5	3.5	7.0	10.6	14.1	21.1	28.1	52.8
70°	0.0	0.0	3.5	3.5	7.0	10.6	10.6	14.1	17.6	24.6
72.5°	0.0	0.0	3.5	3.5	7.0	14.1	10.6	10.6	14.1	17.6
75°	0.0	0.0	3.5	3.5	7.0	10.6	10.6	10.6	10.6	10.6
77.5°	0.0	0.0	3.5	3.5	7.0	10.6	10.6	10.6	7.0	7.0
80°	0.0	0.0	3.5	3.5	7.0	10.6	14.1	14.1	7.0	7.0
82.5°	0.0	0.0	3.5	7.0	7.0	17.6	21.1	17.6	7.0	3.5
85°	0.0	0.0	3.5	3.5	10.6	17.6	17.6	10.6	7.0	3.5
87.5°	0.0	0.0	0.0	3.5	3.5	7.0	10.6	10.6	3.5	3.5
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°
27645.9	0°	27645.9	27645.9	27645.9	27645.9	27645.9	27645.9	27645.9	27645.9	27645.9
27477.0	2.5°	27463.0	27677.5	27776.0	27674.0	27624.8	27554.4	27452.4	27382.1	27396.2
26836.9	5°	26777.1	27002.2	27079.6	26991.7	26917.8	26879.1	26861.5	26896.7	26988.1
25549.6	7.5°	25542.5	25686.7	25771.2	25729.0	25627.0	25743.0	25774.7	25753.6	25887.2
23808.5	10°	23815.6	23973.8	23896.5	23914.0	23794.4	23854.2	23836.7	23914.0	24047.7
21729.8	12.5°	21589.1	21740.4	21680.6	21670.0	21543.4	21655.9	21585.6	21670.0	21845.9
19112.9	15°	19250.1	19345.1	19306.4	19246.6	19134.0	19172.7	19390.8	19376.7	19454.1
16397.6	17.5°	16327.2	16784.5	17034.2	17087.0	16995.5	17072.9	17227.7	17189.0	17364.8
13534.5	20°	13509.9	13970.7	14586.2	15085.6	15096.2	15106.7	15205.2	15229.9	15381.1
11371.4	22.5°	11322.1	11649.3	12310.5	12971.8	13429.0	13524.0	13513.4	13548.6	13590.8
9651.4	25°	9626.8	9866.0	10471.0	10928.2	11730.2	11997.5	12074.8	11997.5	12022.1
8135.5	27.5°	8226.9	8592.7	8793.2	9282.1	10066.5	10685.5	10660.9	10615.2	10622.2
7080.3	30°	7076.8	7470.7	7766.2	7913.9	8504.8	9398.2	9489.6	9359.5	9363.0
6148.2	32.5°	6109.5	6232.6	6668.8	6788.4	7168.2	7980.7	8293.8	8195.3	8177.7
4917.2	35°	5061.4	5128.2	5328.7	5564.3	5789.5	6405.0	6922.0	6830.6	6876.3
3615.8	37.5°	3601.7	3876.1	4069.5	4263.0	4424.7	4811.6	5434.2	5349.8	5395.5
2560.6	40°	2539.5	2662.6	2996.7	3081.1	3320.3	3499.7	4027.3	3999.2	4055.4
1589.8	42.5°	1561.7	1649.6	1818.4	1899.3	2061.1	2163.1	2472.7	2507.8	2581.7
879.3	45°	886.4	925.0	1041.1	1129.0	1248.6	1290.8	1399.9	1449.1	1491.3
682.4	47.5°	675.3	717.5	794.9	872.3	970.8	1005.9	1083.3	1157.2	1195.9
527.6	50°	552.2	590.9	671.8	735.1	833.6	865.3	928.6	1009.5	1058.7
401.0	52.5°	418.6	474.8	573.3	640.1	742.1	780.8	840.6	921.5	967.3
330.6	55°	344.7	386.9	474.8	566.3	661.3	714.0	752.7	851.2	900.4
270.8	57.5°	295.5	327.1	383.4	492.4	573.3	650.7	682.4	773.8	823.0
214.6	60°	225.1	274.3	323.6	408.0	499.5	580.4	615.5	696.4	735.1
154.8	62.5°	186.4	218.1	281.4	327.1	429.1	513.5	548.7	622.6	650.7
102.0	65°	130.1	175.9	235.7	263.8	358.8	439.7	488.9	545.2	573.3
59.8	67.5°	77.4	130.1	186.4	225.1	291.9	372.8	425.6	478.4	503.0
35.2	70°	49.2	102.0	147.7	189.9	228.6	306.0	369.3	415.0	404.5
21.1	72.5°	28.1	63.3	109.0	154.8	189.9	256.8	316.6	351.7	249.7
14.1	75°	17.6	45.7	91.4	126.6	154.8	204.0	260.3	267.3	154.8
7.0	77.5°	14.1	35.2	70.3	102.0	105.5	151.2	182.9	207.5	116.1
7.0	80°	7.0	28.1	59.8	84.4	66.8	105.5	140.7	161.8	91.4
3.5	82.5°	7.0	17.6	45.7	59.8	49.2	80.9	102.0	116.1	77.4
3.5	85°	3.5	14.1	24.6	35.2	35.2	52.8	45.7	56.3	49.2
3.5	87.5°	3.5	7.0	14.1	17.6	14.1	21.1	24.6	24.6	21.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
27645.9
27586.1
27178.1
26020.9
24100.5
21877.5
19471.7
17336.7
15349.4
13513.4
11983.4
10632.8
9366.5
8219.9
6918.5
5434.2
4076.5
2666.1
1487.8
1213.5
1079.8
998.9
914.5
844.1
742.1
654.2
573.3
499.5
372.8
221.6
144.2
116.1
95.0
84.4
49.2
17.6
0.0

(END OF REPORT)