

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: P637856

Luminaire Tested: **IFLD-M-SA4C-730-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637856
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-730-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (64) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21830.7 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

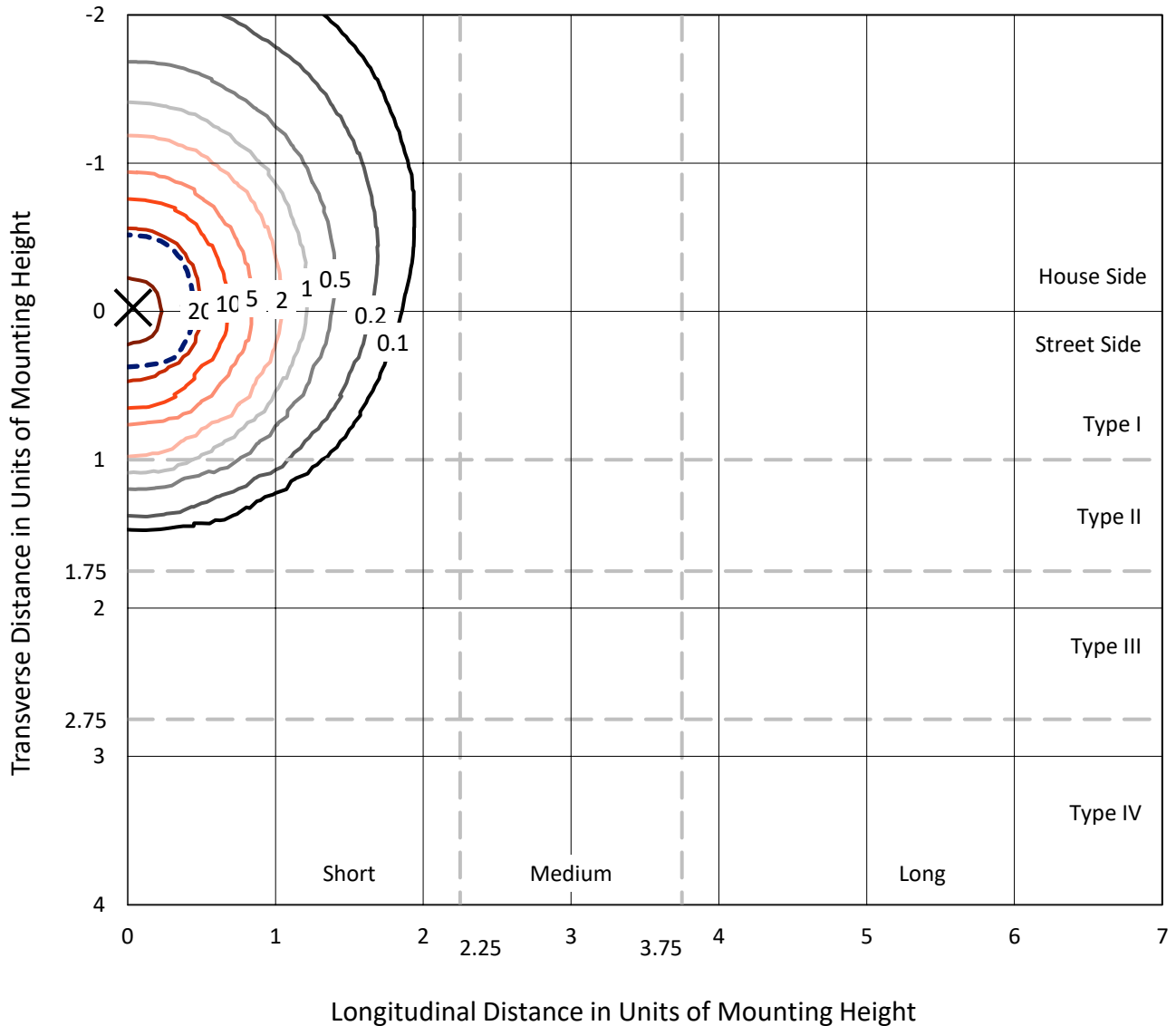
Input Watts (W): 218.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637856
 CATALOG NUMBER: IFLD-M-SA4C-730-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

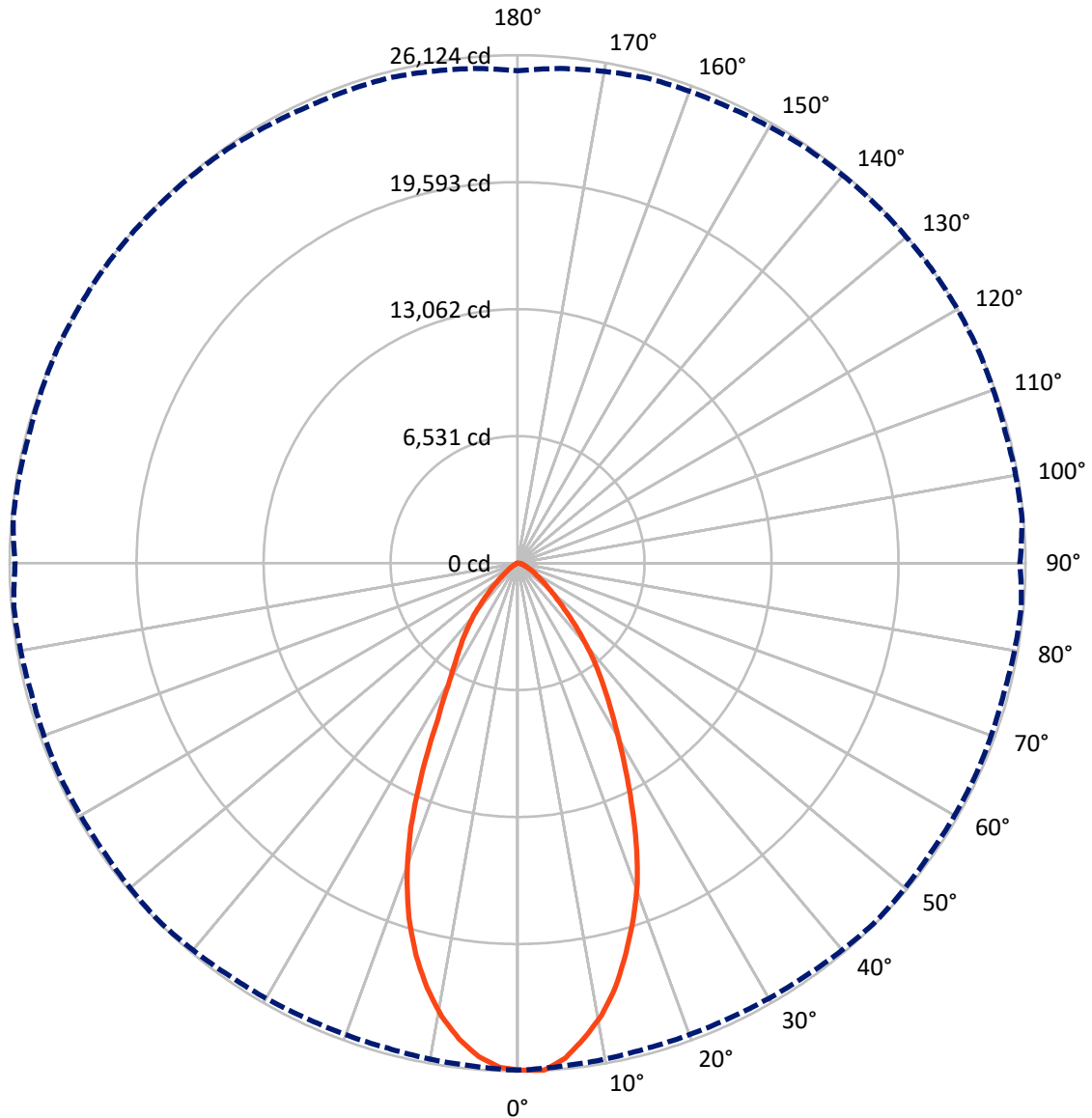
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 65.2 fc
 Type I - Short - N/A

REPORT NUMBER: P637856
CATALOG NUMBER: IFLD-M-SA4C-730-U-66-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637856
 CATALOG NUMBER: IFLD-M-SA4C-730-U-66-VI

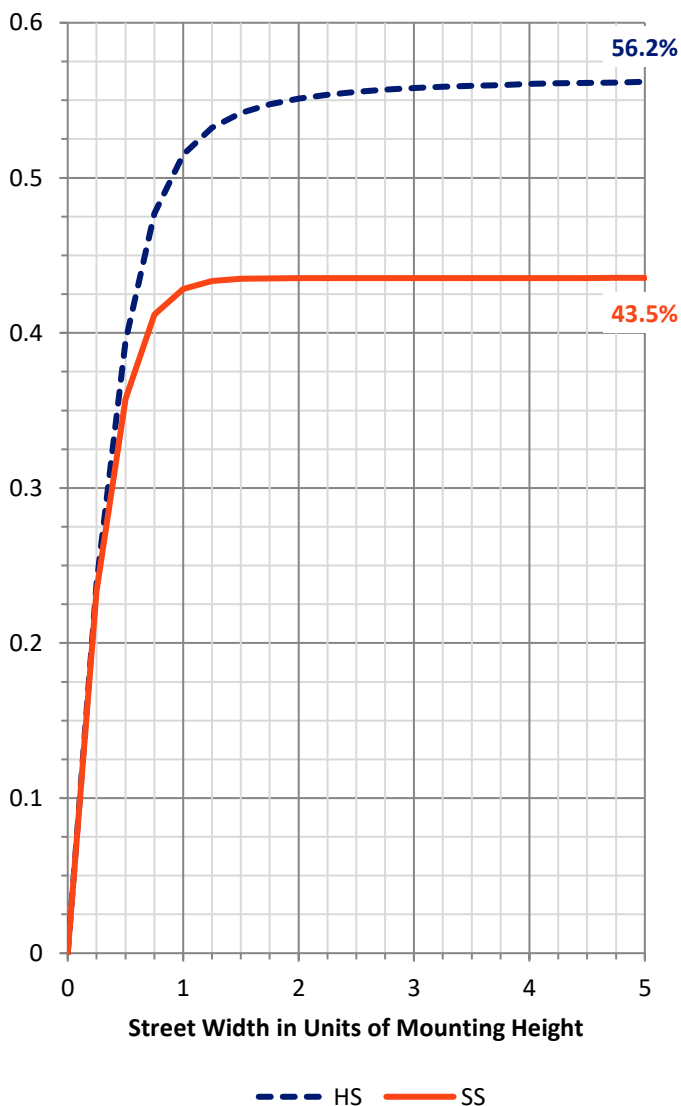
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12387.6	0.0	12387.6
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	9443.1	0.0	9443.1
	% Fixture	43.3	0.0	43.3
Total	Lumens	21830.7	0.0	21830.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2368.4	10.8
10°-20°	5645.7	25.9
20°-30°	5750.0	26.3
30°-40°	4287.8	19.6
40°-50°	2240.0	10.3
50°-60°	942.2	4.3
60°-70°	384.8	1.8
70°-80°	161.9	0.7
80°-90°	49.9	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°	21830.7	100.0
0°-180°	21830.7	100.0



REPORT NUMBER: P637856

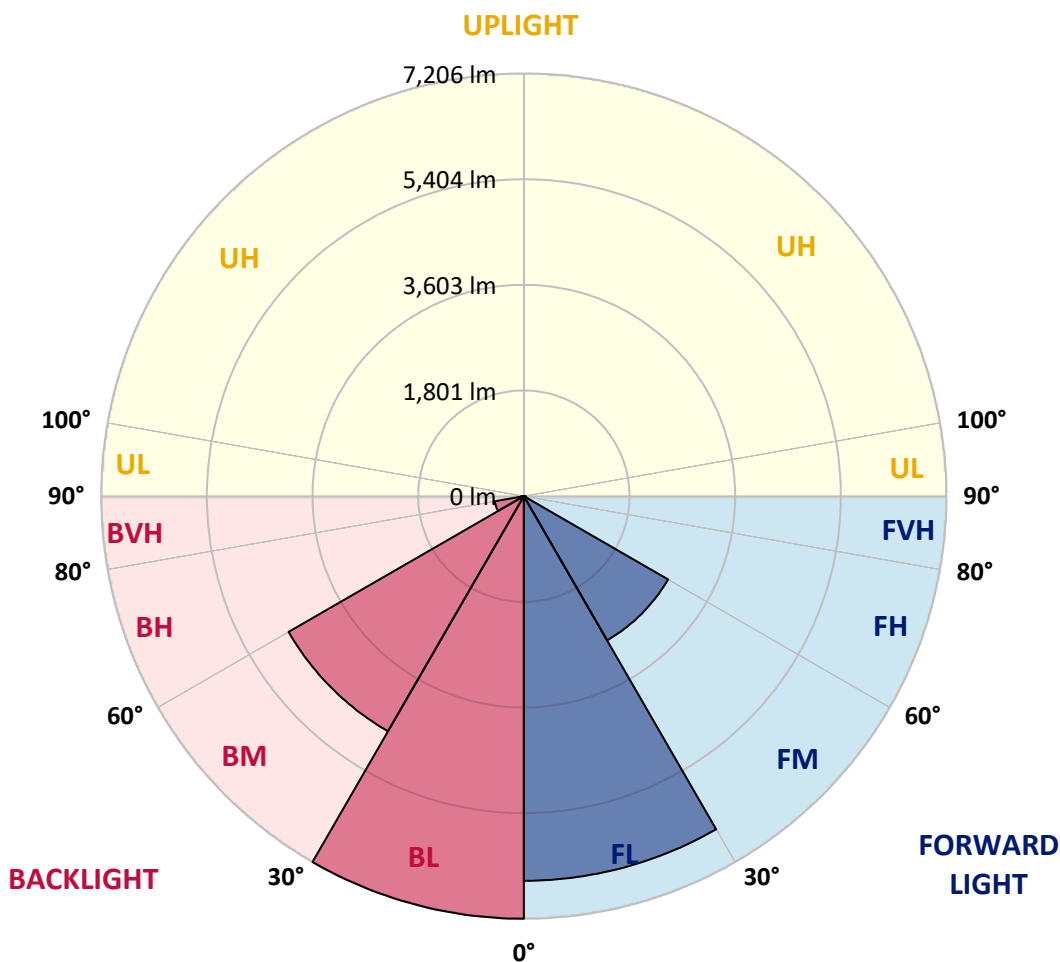
CATALOG NUMBER: IFLD-M-SA4C-730-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6558.2	30.0			
FM (30°-60°)	2839.2	13.0			
FH (60°-80°)	41.1	0.2			G0/660
FVH (80°-90°)	4.6	0.0			G0/10
BL (0°-30°)	7205.9	33.0	B5		
BM (30°-60°)	4630.8	21.2	B3/5000		
BH (60°-80°)	505.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	45.3	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





REPORT NUMBER: P637856
 CATALOG NUMBER: IFLD-M-SA4C-730-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	26082.4	26082.4	26082.4	26082.4	26082.4	26082.4	26082.4	26082.4	26082.4	26082.4
2.5°	26085.2	25978.6	25827.2	25813.2	25891.7	26062.7	25953.4	25959.0	25891.7	26006.7
5°	25675.8	25574.8	25471.0	25333.6	25448.6	25521.5	25465.4	25403.7	25316.8	25429.0
7.5°	24901.8	24845.7	24691.5	24629.8	24699.9	24781.2	24660.6	24643.8	24523.2	24669.0
10°	23718.4	23695.9	23544.5	23508.1	23569.8	23693.1	23639.9	23628.6	23552.9	23538.9
12.5°	22490.1	22403.2	22215.3	22204.1	22296.6	22481.7	22338.7	22201.3	22243.3	22279.8
15°	19326.9	19234.4	19699.9	20431.8	20816.0	20802.0	20844.0	20678.6	20628.1	20644.9
17.5°	15364.5	15207.5	15375.7	16508.6	18334.2	19394.2	19102.6	18746.4	18555.8	18429.6
20°	13261.3	13269.7	13238.9	13530.5	14669.1	17086.3	17016.2	16329.2	16079.6	15975.8
22.5°	11982.6	11934.9	11867.6	11960.1	12265.8	13684.8	14635.4	14004.4	13917.5	13802.5
25°	10729.1	10729.1	10647.8	10740.3	10827.2	10846.9	11800.3	12058.3	11890.0	11890.0
27.5°	9643.8	9587.7	9551.3	9593.4	9478.4	8925.9	9046.5	10367.3	10252.4	10182.2
30°	8567.0	8550.2	8488.5	8544.6	8118.3	7495.8	7243.4	8749.3	8869.9	8844.6
32.5°	7072.3	7139.6	7414.4	7501.4	6772.3	6270.3	6029.1	7263.0	7745.4	7725.7
35°	4806.5	4862.6	5176.7	6214.2	5614.1	5255.2	5185.1	5776.8	6570.4	6646.1
37.5°	3827.8	3819.4	3909.1	4094.2	4512.0	4425.1	4405.5	4559.7	5358.9	5392.6
40°	3154.8	3143.6	3140.8	2989.3	2885.6	3679.2	3625.9	3533.4	4226.0	4293.3
42.5°	2543.5	2554.7	2563.1	2232.2	2080.8	2837.9	2807.1	2711.7	3314.6	3393.1
45°	1996.6	1993.8	2010.7	1662.9	1620.9	1814.4	2097.6	2021.9	2501.4	2585.5
47.5°	1034.8	1071.2	1298.4	1287.2	1306.8	1287.2	1587.2	1567.6	1881.7	2016.3
50°	695.5	706.7	726.3	729.1	1029.2	947.8	1076.8	1219.9	1318.0	1525.5
52.5°	538.4	546.8	496.4	465.5	631.0	701.1	706.7	844.1	919.8	1130.1
55°	300.1	336.5	361.7	364.6	347.7	518.8	516.0	625.3	684.2	824.5
57.5°	39.3	47.7	72.9	235.6	232.8	288.8	361.7	454.3	487.9	602.9
60°	2.8	5.6	8.4	36.5	154.2	168.3	246.8	283.2	339.3	423.4
62.5°	0.0	0.0	2.8	8.4	30.8	98.1	129.0	148.6	199.1	277.6
65°	0.0	0.0	2.8	5.6	11.2	36.5	50.5	81.3	117.8	171.1
67.5°	0.0	0.0	2.8	5.6	8.4	14.0	22.4	36.5	61.7	103.8
70°	0.0	0.0	2.8	5.6	8.4	11.2	16.8	22.4	33.7	56.1
72.5°	0.0	0.0	2.8	2.8	5.6	14.0	14.0	16.8	22.4	30.8
75°	0.0	0.0	2.8	5.6	8.4	14.0	14.0	14.0	16.8	19.6
77.5°	0.0	0.0	2.8	5.6	8.4	14.0	11.2	14.0	14.0	14.0
80°	0.0	0.0	2.8	5.6	8.4	14.0	16.8	14.0	11.2	11.2
82.5°	0.0	0.0	2.8	8.4	8.4	19.6	19.6	19.6	8.4	8.4
85°	0.0	0.0	5.6	8.4	14.0	22.4	22.4	16.8	8.4	5.6
87.5°	0.0	0.0	2.8	5.6	5.6	11.2	16.8	14.0	5.6	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637856

CATALOG NUMBER: IFLD-M-SA4C-730-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
26082.4	0°	26082.4	26082.4	26082.4	26082.4	26082.4	26082.4	26082.4	26082.4	26082.4
25838.4	2.5°	26045.9	25975.8	26107.6	26124.4	26068.3	25998.2	25835.6	25821.6	25538.3
25266.3	5°	25552.4	25437.4	25521.5	25577.6	25558.0	25482.3	25415.0	25353.3	25098.1
24338.1	7.5°	24632.6	24590.5	24629.8	24671.8	24753.2	24671.8	24643.8	24579.3	24326.9
23423.9	10°	23611.8	23533.3	23681.9	23662.3	23639.9	23617.4	23499.7	23510.9	23213.6
22178.8	12.5°	22358.3	22226.5	22369.5	22386.4	22369.5	22291.0	22159.2	22215.3	21943.3
20496.3	15°	20673.0	20658.9	20762.7	20830.0	20877.7	20793.5	20748.7	20776.7	20614.1
18331.4	17.5°	18603.4	18785.7	19125.0	19240.0	19242.8	19329.7	19304.5	19270.8	19150.3
15933.8	20°	16169.3	16519.9	17041.5	17577.1	17731.3	17658.4	17624.7	17686.4	17507.0
13682.0	22.5°	13923.1	14223.2	14828.9	15611.3	16062.8	16107.6	16099.2	16045.9	15975.8
11878.8	25°	12016.2	12282.6	12863.1	13578.2	14444.7	14573.7	14579.3	14562.5	14500.8
10243.9	27.5°	10406.6	10729.1	11048.8	11688.1	12610.7	13143.5	13076.2	13056.6	13034.2
8864.2	30°	8948.4	9355.0	9655.0	10053.3	10880.5	11601.2	11671.3	11637.7	11584.4
7722.9	32.5°	7793.0	8034.2	8415.6	8684.8	9279.3	10095.3	10364.5	10339.3	10291.6
6693.8	35°	6789.1	6884.4	7184.5	7484.6	7880.0	8670.8	9069.0	9012.9	9004.5
5454.3	37.5°	5591.7	5911.4	6076.8	6379.7	6657.3	7271.4	7821.1	7795.8	7798.6
4385.9	40°	4514.8	4699.9	5028.0	5283.2	5538.4	5987.1	6598.4	6615.2	6609.6
3396.0	42.5°	3466.1	3645.5	3990.5	4268.1	4495.2	4772.8	5356.1	5375.8	5401.0
2644.4	45°	2706.1	2821.1	3073.5	3362.3	3603.5	3771.7	4214.8	4341.0	4343.8
2049.9	47.5°	2100.4	2232.2	2411.7	2689.3	2924.8	3045.4	3367.9	3539.0	3530.6
1573.2	50°	1648.9	1769.5	1915.3	2134.0	2389.2	2484.6	2722.9	2891.2	2882.8
1186.2	52.5°	1261.9	1416.1	1545.1	1713.4	1963.0	2044.3	2215.4	2408.9	2380.8
869.3	55°	956.3	1113.3	1233.9	1374.1	1601.2	1705.0	1822.8	1977.0	1982.6
673.0	57.5°	720.7	883.3	992.7	1135.7	1306.8	1421.8	1511.5	1676.9	1674.1
459.9	60°	516.0	656.2	788.0	936.6	1068.4	1200.2	1261.9	1419.0	1424.6
325.3	62.5°	373.0	504.8	631.0	760.0	877.7	1006.7	1062.8	1186.2	1203.0
213.1	65°	260.8	353.3	499.2	597.3	729.1	824.5	897.4	1003.9	1023.6
126.2	67.5°	168.3	255.2	395.4	482.3	602.9	684.2	760.0	844.1	869.3
81.3	70°	101.0	193.5	294.4	387.0	496.4	569.3	642.2	715.1	729.1
39.3	72.5°	64.5	134.6	213.1	314.1	398.2	476.7	541.2	594.5	552.4
25.2	75°	36.5	92.5	168.3	246.8	322.5	398.2	451.5	479.5	384.2
16.8	77.5°	22.4	67.3	137.4	199.1	249.6	319.7	353.3	370.2	274.8
11.2	80°	14.0	50.5	115.0	162.6	162.6	235.6	274.8	288.8	199.1
8.4	82.5°	11.2	36.5	89.7	123.4	109.4	176.7	215.9	218.7	140.2
5.6	85°	8.4	28.0	56.1	81.3	75.7	123.4	126.2	140.2	92.5
5.6	87.5°	5.6	16.8	33.7	47.7	42.1	58.9	67.3	75.7	50.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
26082.4
25316.8
24893.4
24273.6
23112.7
21864.8
20417.8
18970.8
17378.0
15841.2
14293.3
12902.4
11517.1
10165.4
8911.9
7708.9
6511.5
5316.9
4270.9
3499.7
2882.8
2383.6
1982.6
1668.5
1410.5
1197.4
1017.9
866.5
717.9
513.2
364.6
258.0
185.1
129.0
84.1
44.9
0.0

(END OF REPORT)