

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: P637590

Luminaire Tested: **IFLD-S-SA6C-730-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637590
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-730-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35542 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 321.5
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



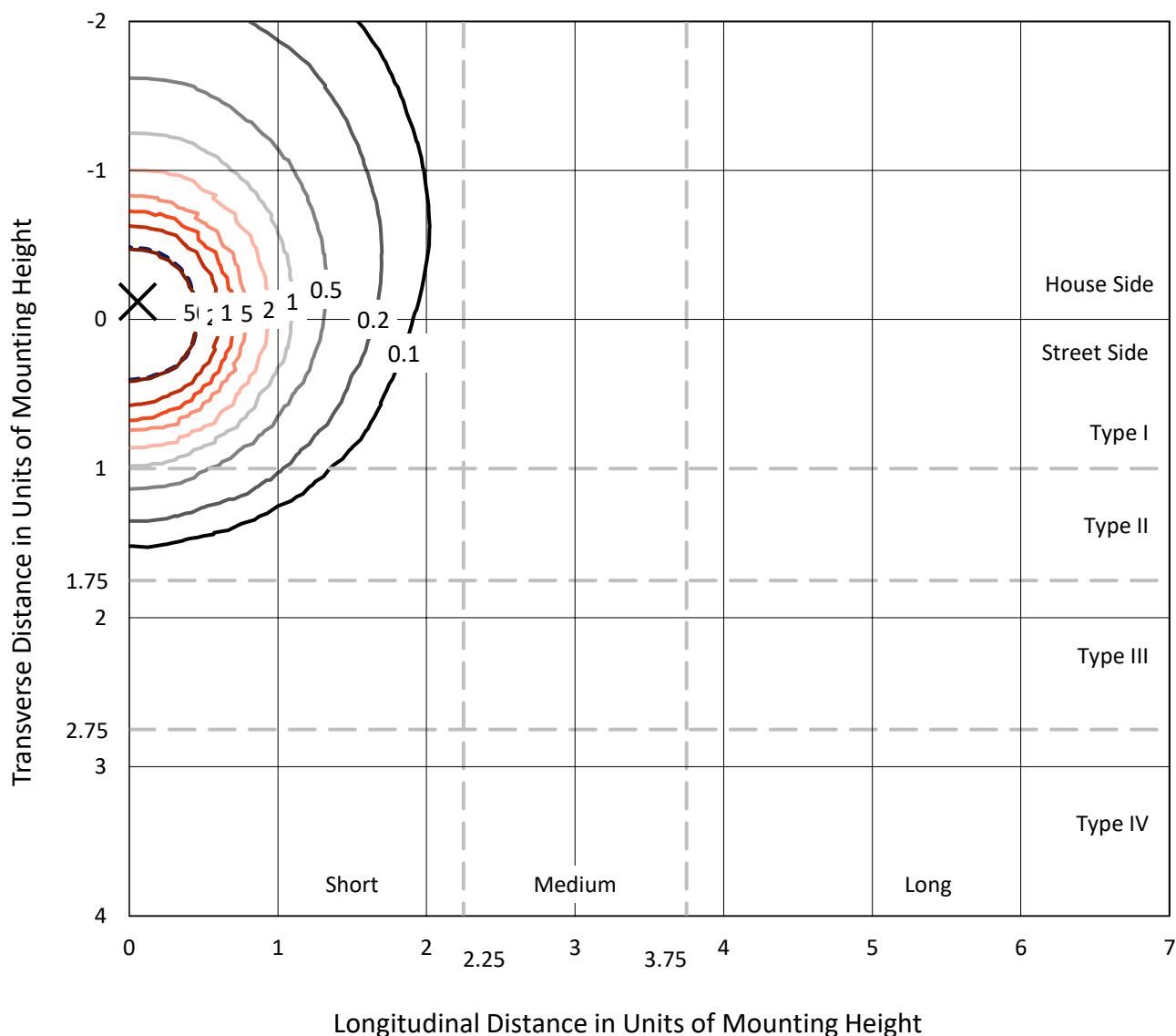
REPORT NUMBER: P637590

CATALOG NUMBER: IFLD-S-SA6C-730-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

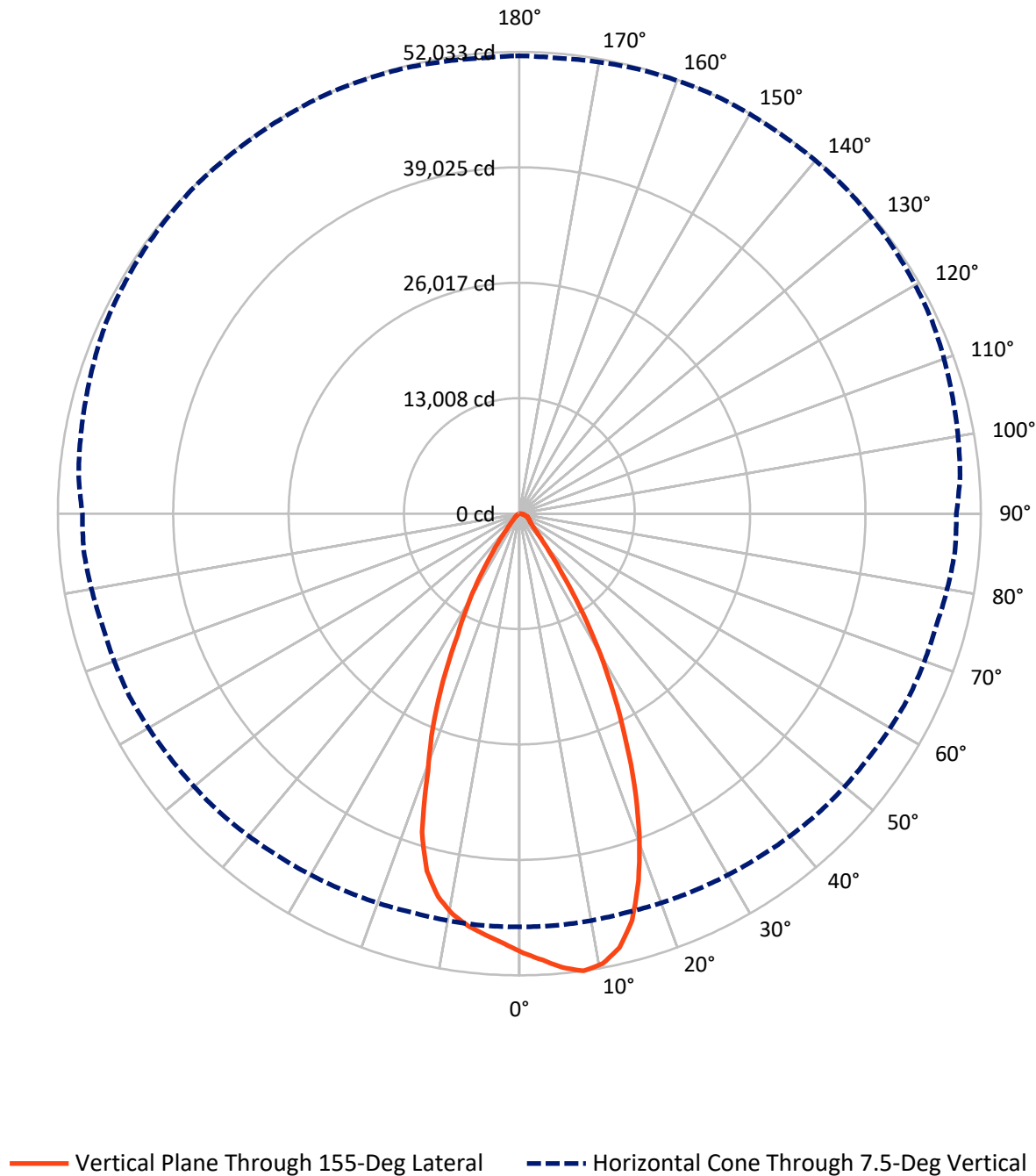


Based on 20 foot mounting height. Maximum calculated value = 125.8 fc

Type I - Short - N/A

REPORT NUMBER: P637590
CATALOG NUMBER: IFLD-S-SA6C-730-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637590

CATALOG NUMBER: IFLD-S-SA6C-730-U-55-VI

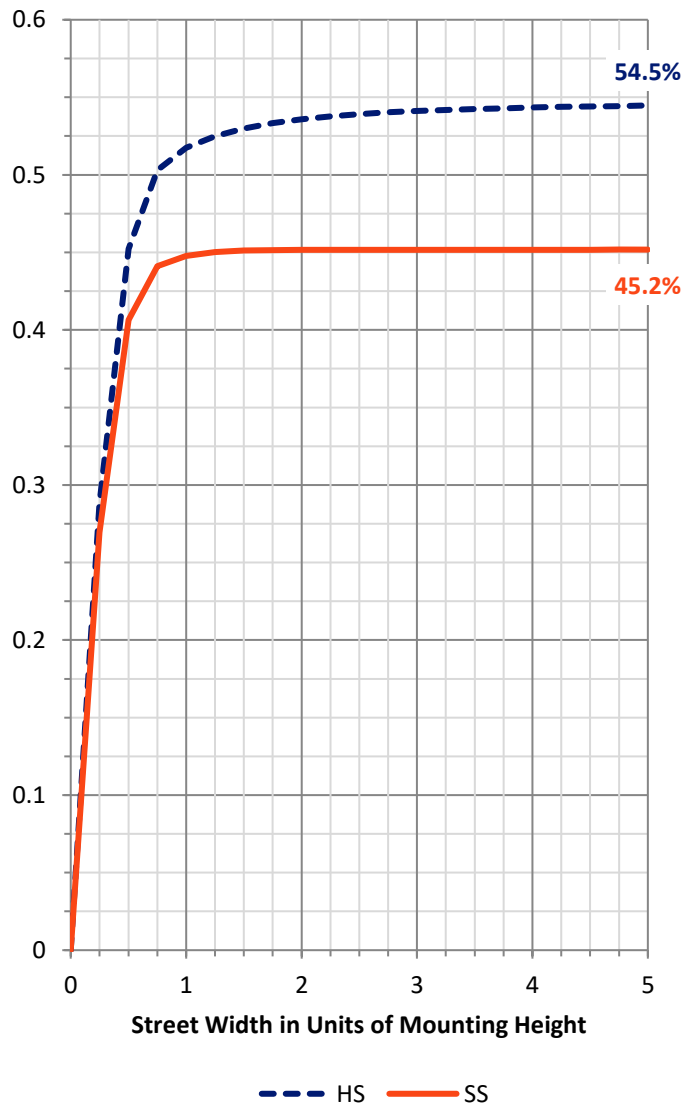
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19620.5	0.0	19620.5
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	15921.5	0.0	15921.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	35542.0	0.0	35542.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4721.4	13.3
10°-20°	12242.5	34.4
20°-30°	11217.5	31.6
30°-40°	4531.9	12.8
40°-50°	1329.4	3.7
50°-60°	743.3	2.1
60°-70°	451.5	1.3
70°-80°	229.4	0.6
80°-90°	75.0	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°	35542.0	100.0
0°-180°	35542.0	100.0

Coefficient of Utilization



REPORT NUMBER: P637590

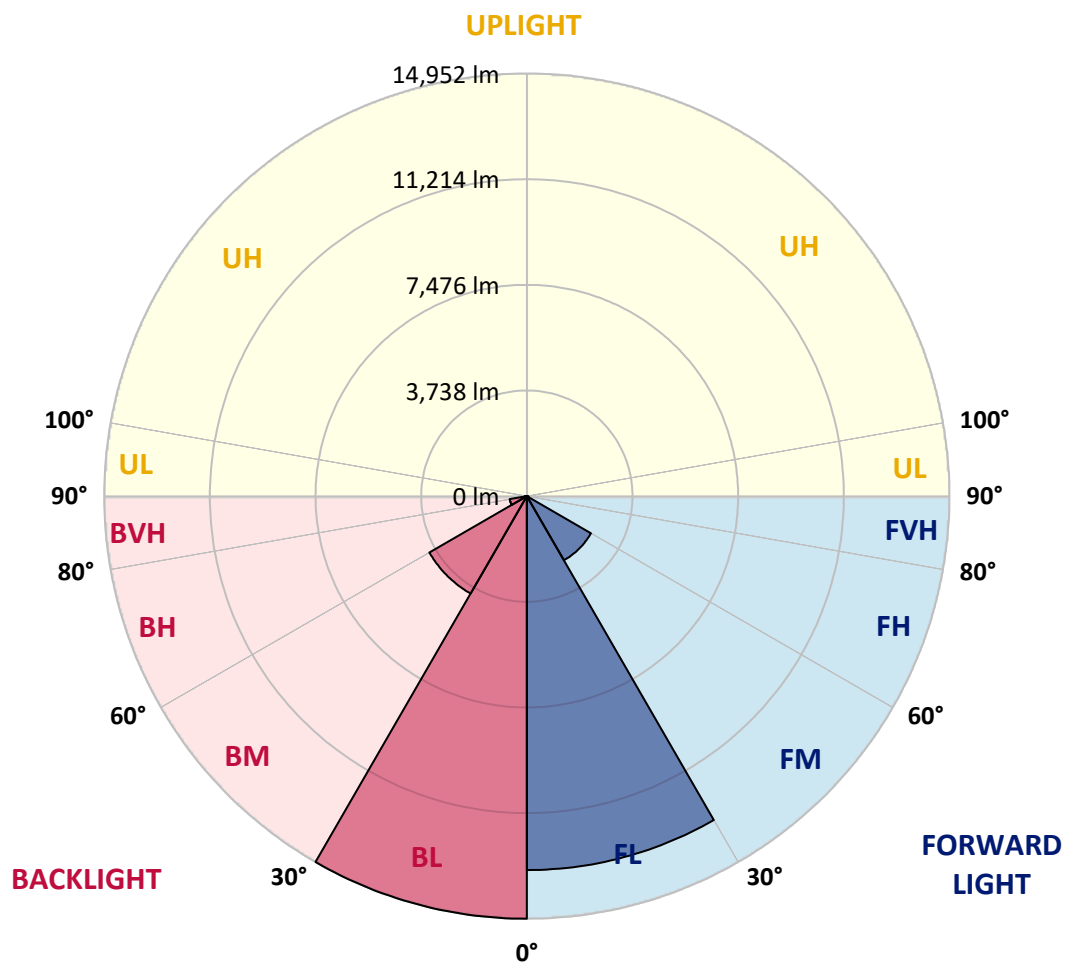
CATALOG NUMBER: IFLD-S-SA6C-730-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	13229.6	37.2			
FM	(30°-60°)	2621.9	7.4			
FH	(60°-80°)	63.5	0.2			G0/660
FVH	(80°-90°)	6.5	0.0			G0/10
BL	(0°-30°)	14951.8	42.1	B5		
BM	(30°-60°)	3982.8	11.2	B3/5000		
BH	(60°-80°)	617.4	1.7	B2/1000		G2/1000
BVH	(80°-90°)	68.5	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: P637590

CATALOG NUMBER: IFLD-S-SA6C-730-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	49512.7	49512.7	49512.7	49512.7	49512.7	49512.7	49512.7	49512.7	49512.7	49512.7
2.5°	48438.9	48602.8	48275.0	48492.2	48660.2	49061.9	49094.6	49234.0	49283.2	49647.9
5°	47520.9	47647.9	47381.5	47672.5	47910.2	48266.8	48541.4	48926.6	49139.7	49570.1
7.5°	46565.9	46594.6	46541.4	46848.7	47205.3	47697.1	48037.3	48541.4	48672.5	49287.3
10°	45410.2	45201.2	45303.6	45754.5	46287.2	47041.4	47275.0	47779.1	48012.7	48639.7
12.5°	43565.9	43672.5	43545.4	44119.2	44561.8	45418.4	45664.3	46172.5	46619.2	47172.5
15°	40967.5	40906.1	41164.3	41611.0	42090.5	42770.8	43168.4	43721.7	44061.8	44635.6
17.5°	35127.3	35336.3	36401.9	37520.8	38504.4	39299.5	39774.9	40233.9	40479.8	41102.8
20°	30336.3	30074.0	30217.5	30848.6	33647.8	34865.0	35365.0	35475.7	35578.1	36070.0
22.5°	24979.7	24893.6	25373.2	26082.2	26746.1	29553.5	30233.8	29975.6	30188.8	30651.9
25°	18549.3	18983.8	19410.0	20770.7	21631.3	23008.4	24299.4	24414.1	24492.0	24783.0
27.5°	15098.5	14946.8	14938.6	15319.8	16590.3	17737.8	18836.2	19090.3	19045.2	19323.9
30°	11868.9	11819.8	11647.6	11737.8	11610.7	12631.2	13147.6	14192.7	14135.4	14143.6
32.5°	8561.5	8377.1	8307.4	8442.7	8311.5	8217.3	8668.1	9848.4	9827.9	9909.9
35°	5180.4	5155.8	5213.2	5332.0	5069.7	5061.5	5155.8	6266.4	6401.7	6532.8
37.5°	2860.7	2836.1	2881.2	3319.7	3233.6	3155.8	3180.4	3766.4	4155.8	4254.1
40°	1885.3	1881.2	1913.9	1991.8	2139.4	2110.7	2123.0	2385.3	2754.1	2840.2
42.5°	1262.3	1266.4	1286.9	1377.1	1397.6	1545.1	1520.5	1582.0	1926.2	2000.0
45°	1008.2	1004.1	1016.4	975.4	1000.0	1151.6	1168.0	1172.1	1467.2	1512.3
47.5°	795.1	795.1	807.4	754.1	741.8	836.1	922.1	934.4	1172.1	1233.6
50°	557.4	557.4	618.9	594.3	623.0	651.6	745.9	758.2	959.0	1024.6
52.5°	409.8	418.0	426.2	430.3	524.6	520.5	602.5	659.8	725.4	840.2
55°	311.5	319.7	299.2	319.7	389.3	434.4	450.8	532.8	577.9	704.9
57.5°	204.9	225.4	209.0	245.9	262.3	336.1	360.7	438.5	467.2	577.9
60°	28.7	32.8	53.3	172.1	184.4	221.3	278.7	348.4	377.1	471.3
62.5°	4.1	4.1	12.3	28.7	123.0	147.5	209.0	241.8	278.7	352.5
65°	0.0	0.0	4.1	8.2	24.6	86.1	106.6	131.1	192.6	254.1
67.5°	0.0	0.0	4.1	8.2	12.3	28.7	45.1	86.1	110.7	176.2
70°	0.0	0.0	4.1	8.2	12.3	16.4	24.6	32.8	65.6	102.5
72.5°	0.0	0.0	4.1	8.2	12.3	16.4	20.5	24.6	28.7	65.6
75°	0.0	0.0	4.1	8.2	12.3	20.5	24.6	24.6	24.6	28.7
77.5°	0.0	0.0	4.1	8.2	16.4	24.6	28.7	24.6	20.5	20.5
80°	0.0	0.0	4.1	12.3	20.5	28.7	32.8	24.6	16.4	12.3
82.5°	0.0	0.0	4.1	12.3	20.5	28.7	32.8	28.7	16.4	12.3
85°	0.0	0.0	4.1	12.3	16.4	20.5	32.8	28.7	16.4	8.2
87.5°	0.0	0.0	0.0	4.1	4.1	8.2	16.4	12.3	8.2	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637590

CATALOG NUMBER: IFLD-S-SA6C-730-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
49512.7	0°	49512.7	49512.7	49512.7	49512.7	49512.7	49512.7	49512.7	49512.7	49512.7
49639.7	2.5°	50008.6	50193.0	50516.8	50607.0	50885.6	50566.0	50389.7	50406.1	50025.0
49516.8	5°	50008.6	50430.7	50996.3	51266.8	51471.7	51455.3	51410.2	51295.5	51016.8
49270.9	7.5°	49877.4	50566.0	51344.7	51705.3	51951.2	51930.7	52033.2	51848.8	51508.6
48832.4	10°	49455.3	50053.7	51012.7	51307.8	51705.3	51713.5	51586.5	51623.4	51016.8
47229.9	12.5°	48127.4	48594.6	49434.8	49770.9	50254.5	50332.4	50193.0	50139.7	49566.0
44602.8	15°	45557.7	45828.2	46672.5	47008.6	47488.1	47422.5	47561.9	47504.5	47000.4
41053.6	17.5°	41799.5	41885.6	42770.8	43053.6	43504.4	43680.7	43471.7	43738.0	43303.6
36156.0	20°	36410.1	36873.2	37869.2	38303.6	38565.9	38881.5	38606.9	38906.0	38397.8
30213.4	22.5°	30942.9	31217.5	32119.1	32746.2	33233.9	33295.3	33192.9	33401.9	32717.5
24975.6	25°	24971.5	25426.4	26139.6	26959.2	27438.7	27733.8	27467.4	27602.7	27492.0
19369.0	27.5°	19696.9	20102.6	20639.5	21250.2	21971.5	22356.7	22143.6	22373.1	21832.1
14442.7	30°	14455.0	14660.0	15266.5	15914.1	16705.0	17172.3	17192.8	17426.4	17106.7
10118.9	32.5°	10192.7	10373.0	10746.0	11176.3	11930.4	12450.9	12368.9	12401.7	12205.0
6594.3	35°	6627.1	6868.9	7135.3	7340.2	7795.1	8368.9	8323.8	8282.9	8147.6
4336.1	37.5°	4430.4	4524.6	4672.2	4856.6	5151.7	5512.3	5631.2	5483.6	5426.3
2926.3	40°	2995.9	3159.9	3258.2	3397.6	3536.9	3840.2	3922.2	3893.5	3836.1
2049.2	42.5°	2127.1	2254.1	2377.1	2512.3	2586.1	2774.6	2934.4	2889.4	2864.8
1557.4	45°	1614.8	1729.5	1873.0	1975.4	2049.2	2159.9	2311.5	2327.9	2291.0
1250.0	47.5°	1295.1	1397.6	1512.3	1639.4	1725.4	1795.1	1926.2	1975.4	1950.8
1053.3	50°	1098.4	1176.2	1286.9	1413.9	1508.2	1569.7	1684.4	1737.7	1721.3
881.2	52.5°	934.4	1028.7	1131.2	1237.7	1352.5	1413.9	1520.5	1598.4	1586.1
729.5	55°	774.6	897.5	1004.1	1110.7	1241.8	1303.3	1397.6	1500.0	1479.5
618.9	57.5°	676.2	778.7	889.4	991.8	1131.2	1213.1	1299.2	1405.7	1401.7
508.2	60°	565.6	668.0	791.0	877.1	1024.6	1139.4	1217.2	1327.9	1336.1
385.2	62.5°	450.8	577.9	672.1	791.0	926.2	1061.5	1135.3	1245.9	1286.9
295.1	65°	336.1	475.4	582.0	700.8	827.9	979.5	1045.1	1155.7	1196.7
213.1	67.5°	250.0	356.6	491.8	594.3	737.7	868.9	946.7	1049.2	1077.9
127.1	70°	188.5	274.6	409.8	500.0	647.5	754.1	832.0	909.8	946.7
86.1	72.5°	110.7	204.9	323.8	430.3	557.4	647.5	704.9	766.4	791.0
41.0	75°	77.9	155.7	254.1	356.6	450.8	524.6	577.9	631.2	655.7
20.5	77.5°	41.0	114.8	200.8	286.9	352.5	413.9	467.2	508.2	524.6
16.4	80°	24.6	82.0	163.9	225.4	270.5	323.8	377.1	405.7	401.6
12.3	82.5°	16.4	65.6	118.9	163.9	196.7	237.7	274.6	295.1	295.1
8.2	85°	12.3	45.1	82.0	127.1	131.1	163.9	172.1	192.6	196.7
8.2	87.5°	8.2	28.7	45.1	73.8	69.7	86.1	90.2	102.5	110.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
49512.7
49717.6
51107.0
51586.5
50840.6
49434.8
47160.2
43197.1
38356.9
32623.2
27422.3
21971.5
17164.1
12315.7
8028.8
5414.0
3844.3
2844.3
2286.9
1938.5
1717.2
1577.9
1479.5
1397.6
1336.1
1282.8
1192.6
1077.9
938.5
782.8
647.5
520.5
397.5
291.0
192.6
106.6
0.0

(END OF REPORT)