

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: P637676

Luminaire Tested: **IFLD-S-SA6B-750-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637676
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32073 lumens
Efficiency: N/A
Efficacy: 131.0 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): 244.9
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



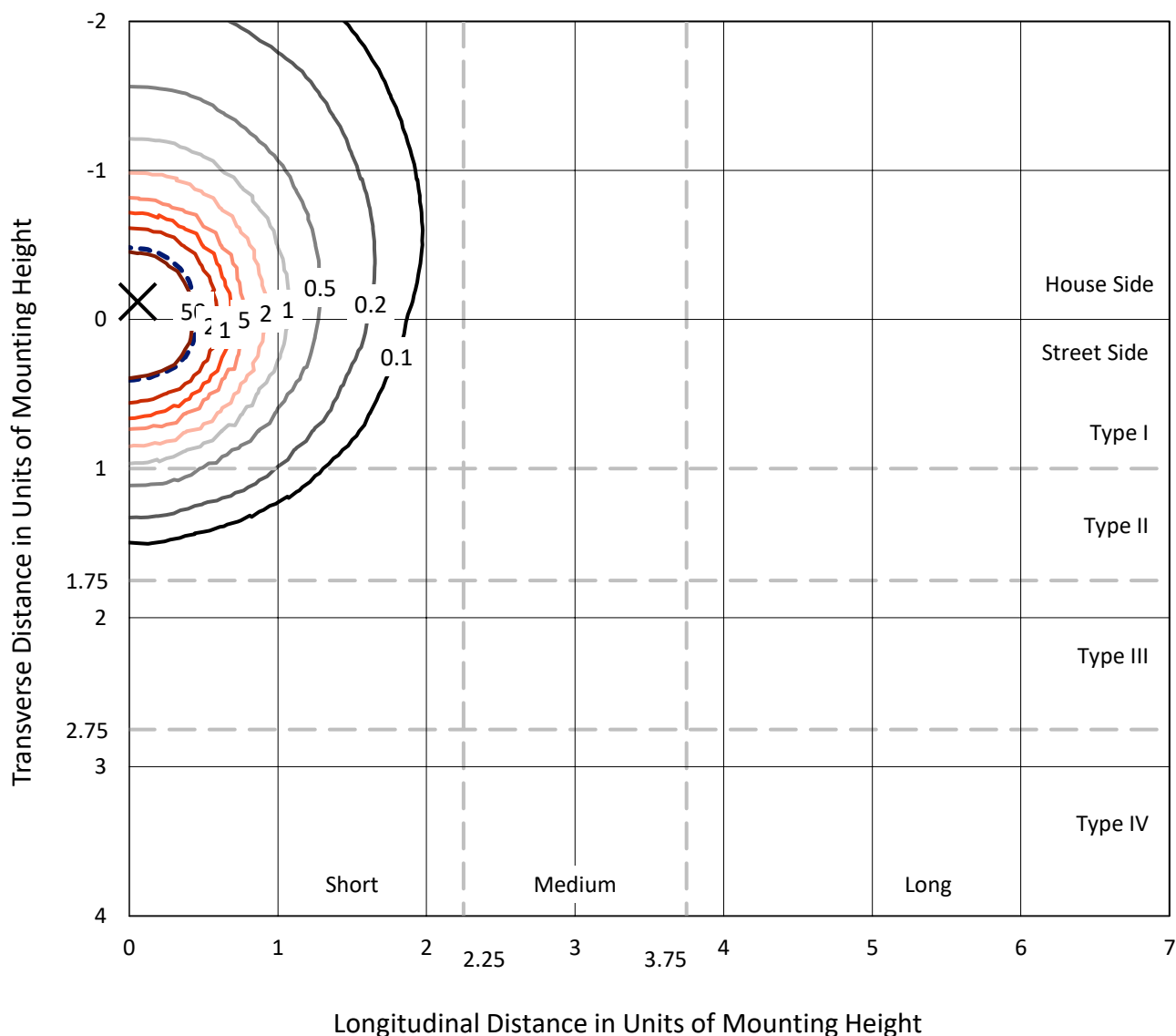
REPORT NUMBER: P637676

CATALOG NUMBER: IFLD-S-SA6B-750-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



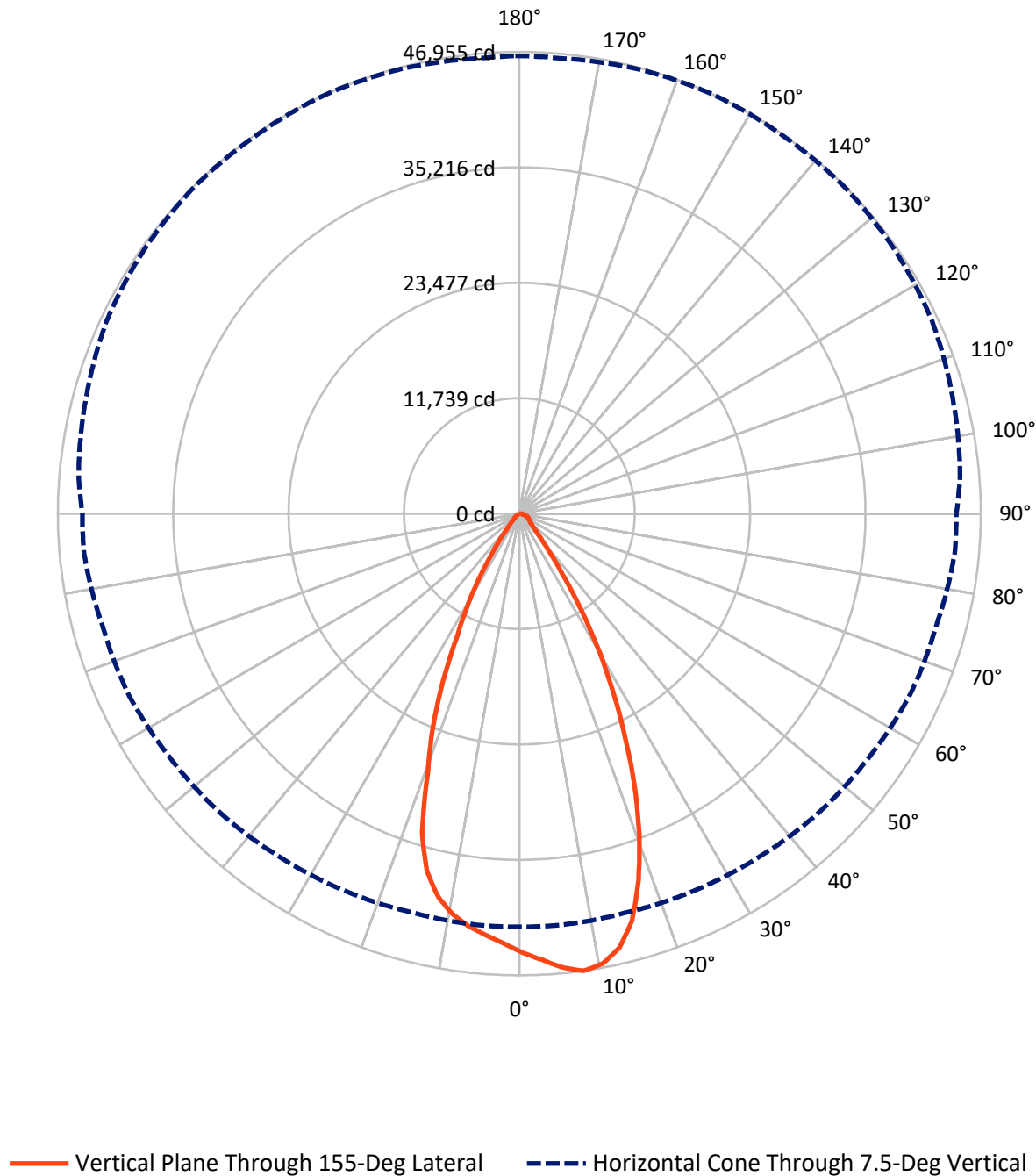
Based on 20 foot mounting height. Maximum calculated value = 113.5 fc

Type I - Short - N/A

REPORT NUMBER: P637676

CATALOG NUMBER: IFLD-S-SA6B-750-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637676

CATALOG NUMBER: IFLD-S-SA6B-750-U-55-VI

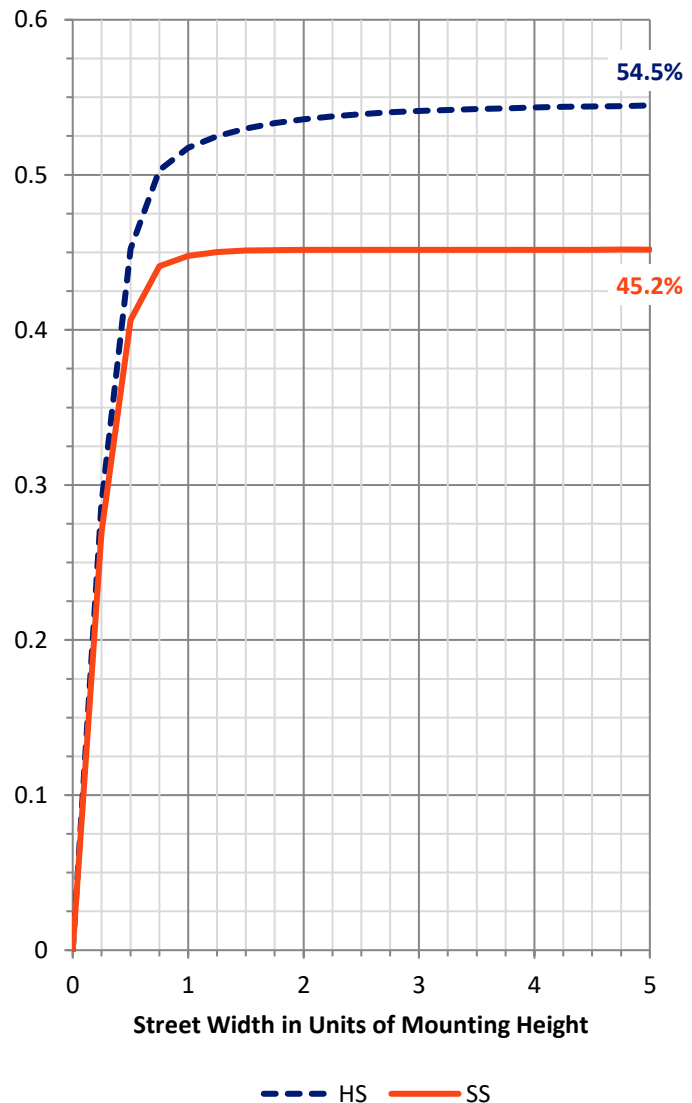
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17705.4	0.0	17705.4
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	14367.5	0.0	14367.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	32073.0	0.0	32073.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4260.5	13.3
10°-20°	11047.6	34.4
20°-30°	10122.7	31.6
30°-40°	4089.6	12.8
40°-50°	1199.7	3.7
50°-60°	670.8	2.1
60°-70°	407.4	1.3
70°-80°	207.0	0.6
80°-90°	67.7	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°	32073.0	100.0
0°-180°	32073.0	100.0

Coefficient of Utilization



REPORT NUMBER: P637676

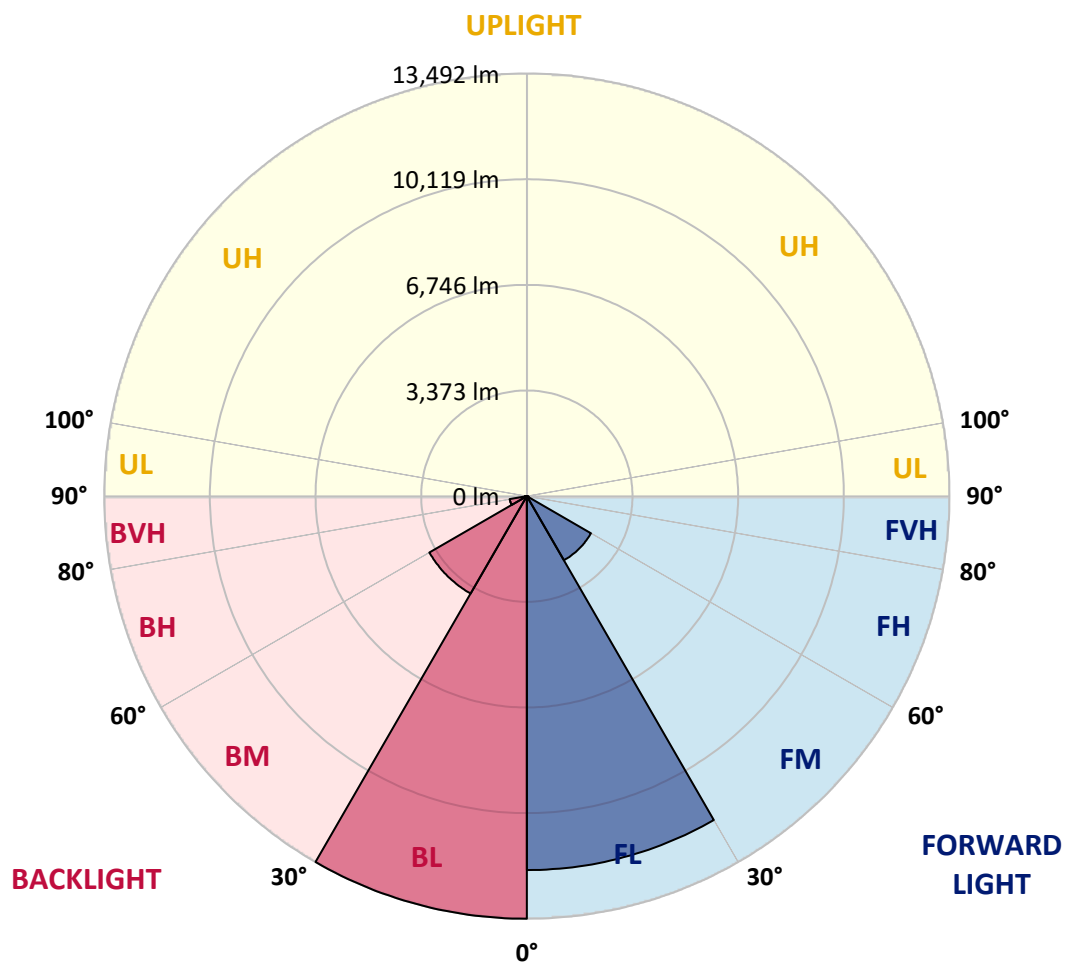
CATALOG NUMBER: IFLD-S-SA6B-750-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11938.4	37.2			
FM	(30°-60°)	2366.0	7.4			
FH	(60°-80°)	57.3	0.2			G0/660
FVH	(80°-90°)	5.9	0.0			G0/10
BL	(0°-30°)	13492.4	42.1	B5		
BM	(30°-60°)	3594.1	11.2	B3/5000		
BH	(60°-80°)	557.1	1.7	B2/1000		G2/1000
BVH	(80°-90°)	61.8	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: P637676

CATALOG NUMBER: IFLD-S-SA6B-750-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	44680.1	44680.1	44680.1	44680.1	44680.1	44680.1	44680.1	44680.1	44680.1	44680.1
2.5°	43711.1	43859.1	43563.2	43759.2	43910.8	44273.3	44302.9	44428.6	44473.0	44802.1
5°	42882.7	42997.3	42756.9	43019.5	43234.0	43555.8	43803.6	44151.2	44343.5	44731.9
7.5°	42021.0	42046.8	41998.8	42276.1	42597.9	43041.7	43348.7	43803.6	43921.9	44476.7
10°	40978.0	40789.4	40881.9	41288.7	41769.5	42450.0	42660.8	43115.7	43326.5	43892.3
12.5°	39313.7	39409.9	39295.3	39813.0	40212.5	40985.4	41207.3	41665.9	42069.0	42568.3
15°	36969.0	36913.5	37146.5	37549.6	37982.3	38596.3	38955.0	39454.3	39761.3	40279.0
17.5°	31698.8	31887.4	32849.0	33858.6	34746.3	35463.7	35892.7	36307.0	36528.9	37091.0
20°	27375.4	27138.7	27268.1	27837.7	30363.7	31462.1	31913.3	32013.2	32105.6	32549.4
22.5°	22541.6	22463.9	22896.7	23536.5	24135.6	26669.0	27282.9	27049.9	27242.2	27660.2
25°	16738.9	17130.9	17515.5	18743.4	19520.0	20762.7	21927.7	22031.2	22101.5	22364.1
27.5°	13624.8	13488.0	13480.6	13824.5	14971.0	16006.6	16997.7	17227.0	17186.4	17437.8
30°	10710.5	10666.1	10510.8	10592.2	10477.5	11398.4	11864.4	12807.5	12755.7	12763.1
32.5°	7725.9	7559.5	7496.6	7618.7	7500.3	7415.2	7822.1	8887.2	8868.7	8942.7
35°	4674.7	4652.6	4704.3	4811.6	4574.9	4567.5	4652.6	5654.8	5776.9	5895.2
37.5°	2581.5	2559.3	2600.0	2995.7	2918.0	2847.8	2869.9	3398.8	3750.2	3838.9
40°	1701.3	1697.6	1727.1	1797.4	1930.6	1904.7	1915.8	2152.5	2485.3	2563.0
42.5°	1139.1	1142.8	1161.3	1242.7	1261.1	1394.3	1372.1	1427.6	1738.2	1804.8
45°	909.8	906.1	917.2	880.2	902.4	1039.2	1054.0	1057.7	1324.0	1364.7
47.5°	717.5	717.5	728.6	680.5	669.4	754.5	832.1	843.2	1057.7	1113.2
50°	503.0	503.0	558.5	536.3	562.2	588.0	673.1	684.2	865.4	924.6
52.5°	369.8	377.2	384.6	388.3	473.4	469.7	543.7	595.4	654.6	758.2
55°	281.1	288.5	270.0	288.5	351.3	392.0	406.8	480.8	521.5	636.1
57.5°	184.9	203.4	188.6	221.9	236.7	303.3	325.5	395.7	421.6	521.5
60°	25.9	29.6	48.1	155.3	166.4	199.7	251.5	314.4	340.3	425.3
62.5°	3.7	3.7	11.1	25.9	111.0	133.1	188.6	218.2	251.5	318.1
65°	0.0	0.0	3.7	7.4	22.2	77.7	96.2	118.3	173.8	229.3
67.5°	0.0	0.0	3.7	7.4	11.1	25.9	40.7	77.7	99.9	159.0
70°	0.0	0.0	3.7	7.4	11.1	14.8	22.2	29.6	59.2	92.5
72.5°	0.0	0.0	3.7	7.4	11.1	14.8	18.5	22.2	25.9	59.2
75°	0.0	0.0	3.7	7.4	11.1	18.5	22.2	22.2	22.2	25.9
77.5°	0.0	0.0	3.7	7.4	14.8	22.2	25.9	22.2	18.5	18.5
80°	0.0	0.0	3.7	11.1	18.5	25.9	29.6	22.2	14.8	11.1
82.5°	0.0	0.0	3.7	11.1	18.5	25.9	29.6	25.9	14.8	11.1
85°	0.0	0.0	3.7	11.1	14.8	18.5	29.6	25.9	14.8	7.4
87.5°	0.0	0.0	0.0	3.7	3.7	7.4	14.8	11.1	7.4	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637676

CATALOG NUMBER: IFLD-S-SA6B-750-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
44680.1	0°	44680.1	44680.1	44680.1	44680.1	44680.1	44680.1	44680.1	44680.1	44680.1
44794.7	2.5°	45127.6	45294.0	45586.2	45667.6	45919.0	45630.6	45471.5	45486.3	45142.4
44683.8	5°	45127.6	45508.5	46018.9	46263.0	46447.9	46433.1	46392.4	46288.9	46037.4
44461.9	7.5°	45009.2	45630.6	46333.3	46658.7	46880.6	46862.1	46954.6	46788.2	46481.2
44066.2	10°	44628.3	45168.3	46033.7	46300.0	46658.7	46666.1	46551.5	46584.8	46037.4
42620.1	12.5°	43430.0	43851.7	44609.8	44913.1	45349.5	45419.8	45294.0	45245.9	44728.2
40249.4	15°	41111.2	41355.3	42117.1	42420.4	42853.1	42793.9	42919.7	42867.9	42413.0
37046.6	17.5°	37719.7	37797.4	38596.3	38851.5	39258.3	39417.3	39228.7	39469.1	39077.1
32627.1	20°	32856.4	33274.3	34173.0	34565.0	34801.7	35086.5	34838.7	35108.7	34650.1
27264.4	22.5°	27922.7	28170.5	28984.2	29550.0	29990.1	30045.6	29953.2	30141.8	29524.1
22537.9	25°	22534.2	22944.7	23588.2	24327.9	24760.6	25026.9	24786.5	24908.6	24808.7
17478.5	27.5°	17774.4	18140.5	18625.0	19176.1	19827.0	20174.6	19982.3	20189.4	19701.3
13033.1	30°	13044.2	13229.1	13776.5	14360.8	15074.6	15496.2	15514.7	15725.5	15437.0
9131.3	32.5°	9197.9	9360.6	9697.1	10085.5	10766.0	11235.7	11161.7	11191.3	11013.8
5950.7	35°	5980.3	6198.5	6438.9	6623.8	7034.3	7552.1	7511.4	7474.4	7352.4
3912.9	37.5°	3997.9	4083.0	4216.1	4382.6	4648.9	4974.3	5081.6	4948.4	4896.7
2640.6	40°	2703.5	2851.4	2940.2	3066.0	3191.7	3465.4	3539.3	3513.5	3461.7
1849.2	42.5°	1919.5	2034.1	2145.1	2267.1	2333.7	2503.8	2648.0	2607.4	2585.2
1405.4	45°	1457.2	1560.7	1690.2	1782.6	1849.2	1949.0	2085.9	2100.7	2067.4
1128.0	47.5°	1168.7	1261.1	1364.7	1479.4	1557.0	1619.9	1738.2	1782.6	1760.4
950.5	50°	991.2	1061.4	1161.3	1275.9	1361.0	1416.5	1520.0	1568.1	1553.3
795.2	52.5°	843.2	928.3	1020.8	1116.9	1220.5	1275.9	1372.1	1442.4	1431.3
658.3	55°	699.0	809.9	906.1	1002.3	1120.6	1176.1	1261.1	1353.6	1335.1
558.5	57.5°	610.2	702.7	802.5	895.0	1020.8	1094.7	1172.4	1268.5	1264.8
458.6	60°	510.4	602.8	713.8	791.5	924.6	1028.1	1098.4	1198.3	1205.7
347.6	62.5°	406.8	521.5	606.5	713.8	835.8	957.9	1024.5	1124.3	1161.3
266.3	65°	303.3	429.0	525.2	632.4	747.1	883.9	943.1	1042.9	1079.9
192.3	67.5°	225.6	321.8	443.8	536.3	665.7	784.1	854.3	946.8	972.7
114.6	70°	170.1	247.8	369.8	451.2	584.3	680.5	750.8	821.0	854.3
77.7	72.5°	99.9	184.9	292.2	388.3	503.0	584.3	636.1	691.6	713.8
37.0	75°	70.3	140.5	229.3	321.8	406.8	473.4	521.5	569.6	591.7
18.5	77.5°	37.0	103.6	181.2	258.9	318.1	373.5	421.6	458.6	473.4
14.8	80°	22.2	74.0	147.9	203.4	244.1	292.2	340.3	366.1	362.4
11.1	82.5°	14.8	59.2	107.3	147.9	177.5	214.5	247.8	266.3	266.3
7.4	85°	11.1	40.7	74.0	114.6	118.3	147.9	155.3	173.8	177.5
7.4	87.5°	7.4	25.9	40.7	66.6	62.9	77.7	81.4	92.5	99.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
44680.1
44865.0
46118.8
46551.5
45878.4
44609.8
42557.2
38980.9
34613.1
29439.1
24745.8
19827.0
15488.8
11113.6
7245.1
4885.6
3469.1
2566.7
2063.7
1749.3
1549.6
1423.9
1335.1
1261.1
1205.7
1157.6
1076.2
972.7
846.9
706.4
584.3
469.7
358.7
262.6
173.8
96.2
0.0

(END OF REPORT)