

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: P637531

Luminaire Tested: **IFLD-S-SA6B-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637531
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23096 lumens
Efficiency: N/A
Efficacy: 94.3 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): 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

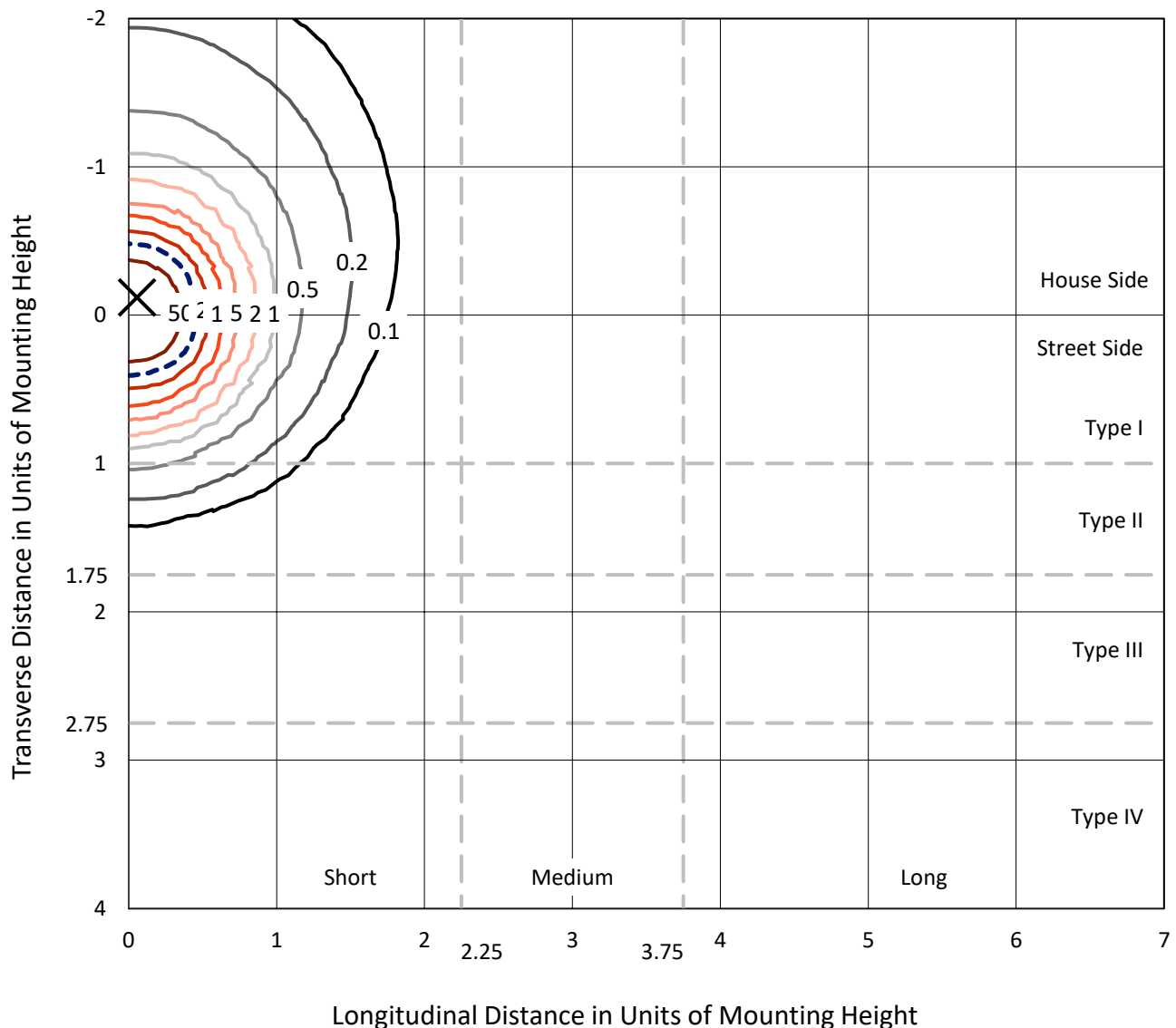


REPORT NUMBER: P637531

CATALOG NUMBER: IFLD-S-SA6B-722-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

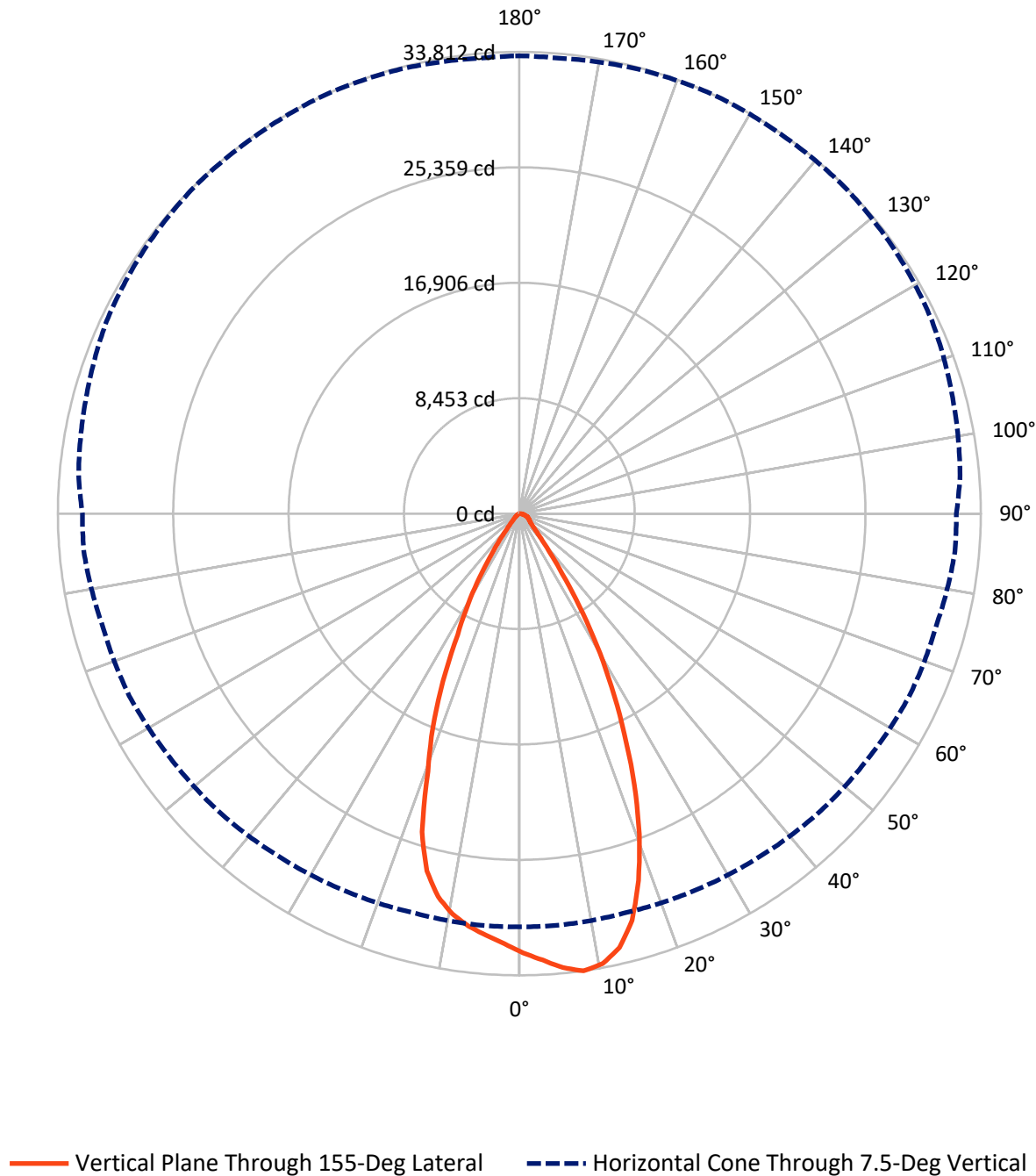


Based on 20 foot mounting height. Maximum calculated value = 81.8 fc

Type I - Short - N/A

REPORT NUMBER: P637531
CATALOG NUMBER: IFLD-S-SA6B-722-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637531

CATALOG NUMBER: IFLD-S-SA6B-722-U-55-VI

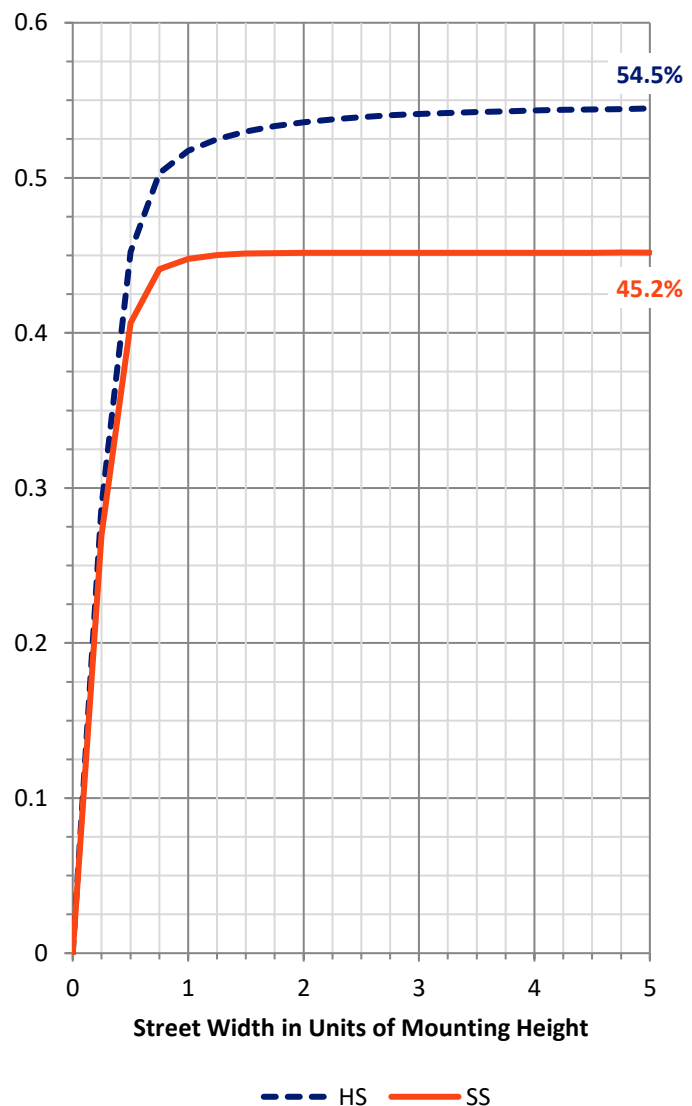
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12749.9	0.0	12749.9
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	10346.2	0.0	10346.2
	% Fixture	44.8	0.0	44.8
Total	Lumens	23096.0	0.0	23096.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3068.1	13.3
10°-20°	7955.5	34.4
20°-30°	7289.4	31.6
30°-40°	2944.9	12.8
40°-50°	863.9	3.7
50°-60°	483.0	2.1
60°-70°	293.4	1.3
70°-80°	149.1	0.6
80°-90°	48.8	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°	23096.0	100.0
0°-180°	23096.0	100.0

Coefficient of Utilization



REPORT NUMBER: P637531

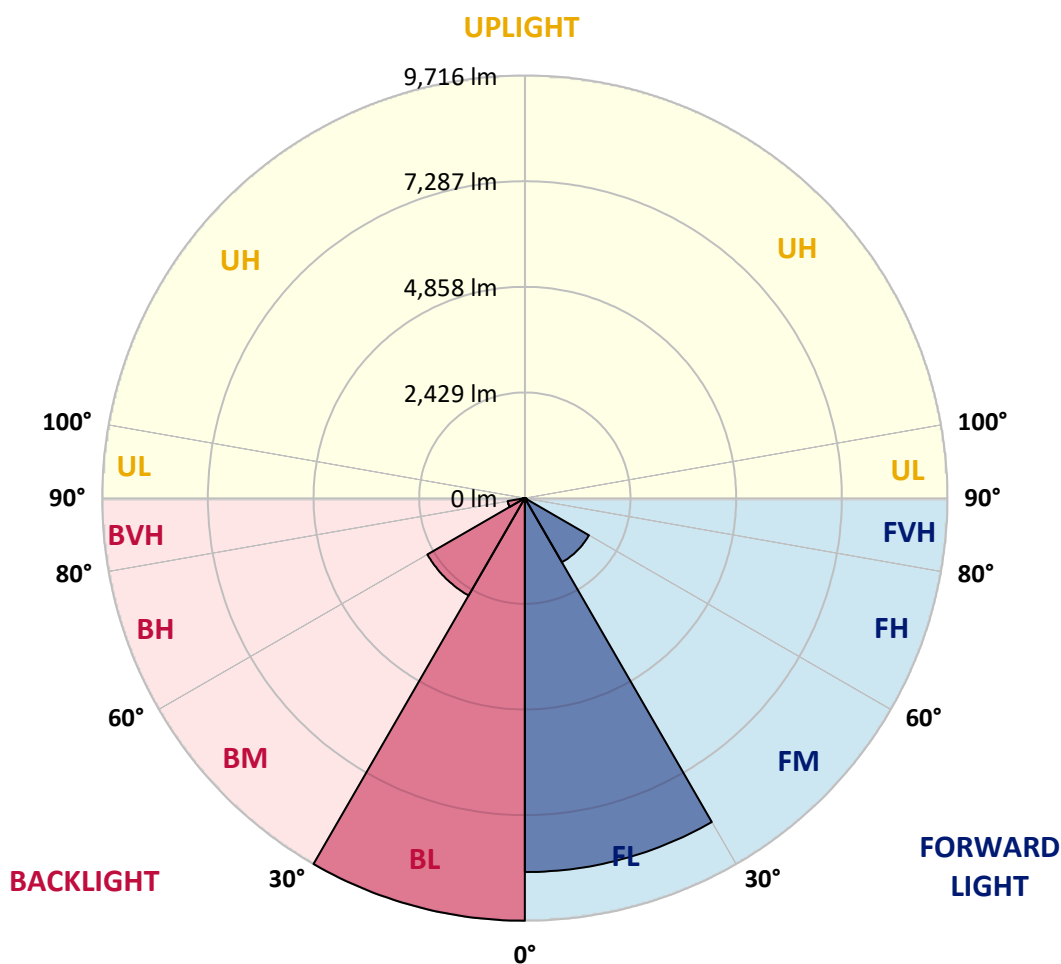
CATALOG NUMBER: IFLD-S-SA6B-722-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8596.9	37.2			
FM	(30°-60°)	1703.8	7.4			
FH	(60°-80°)	41.3	0.2			G0/660
FVH	(80°-90°)	4.2	0.0			G0/10
BL	(0°-30°)	9716.0	42.1	B5		
BM	(30°-60°)	2588.1	11.2	B3/5000		
BH	(60°-80°)	401.2	1.7	B1/500		G1/500
BVH	(80°-90°)	44.5	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-G1

Type I Short



REPORT NUMBER: P637531

CATALOG NUMBER: IFLD-S-SA6B-722-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	32174.6	32174.6	32174.6	32174.6	32174.6	32174.6	32174.6	32174.6	32174.6	32174.6
2.5°	31476.8	31583.3	31370.3	31511.4	31620.6	31881.6	31902.9	31993.5	32025.4	32262.4
5°	30880.2	30962.8	30789.7	30978.8	31133.2	31364.9	31543.4	31793.7	31932.2	32211.8
7.5°	30259.7	30278.3	30243.7	30443.5	30675.2	30994.7	31215.8	31543.4	31628.6	32028.1
10°	29508.7	29372.8	29439.4	29732.4	30078.6	30568.6	30720.4	31048.0	31199.8	31607.3
12.5°	28310.2	28379.4	28296.9	28669.7	28957.4	29514.0	29673.8	30004.0	30294.3	30653.9
15°	26621.7	26581.8	26749.5	27039.8	27351.4	27793.5	28051.9	28411.4	28632.5	29005.3
17.5°	22826.6	22962.4	23654.9	24381.9	25021.1	25537.8	25846.7	26145.0	26304.8	26709.6
20°	19713.3	19542.8	19636.0	20046.2	21865.2	22656.2	22981.1	23053.0	23119.6	23439.1
22.5°	16232.4	16176.5	16488.1	16948.8	17380.3	19204.6	19646.7	19478.9	19617.4	19918.3
25°	12053.8	12336.1	12613.1	13497.3	14056.6	14951.4	15790.3	15864.9	15915.5	16104.6
27.5°	9811.4	9712.8	9707.5	9955.2	10780.8	11526.5	12240.2	12405.4	12376.1	12557.2
30°	7712.7	7680.8	7568.9	7627.5	7544.9	8208.1	8543.7	9222.8	9185.5	9190.8
32.5°	5563.5	5443.7	5398.4	5486.3	5401.0	5339.8	5632.7	6399.8	6386.4	6439.7
35°	3366.3	3350.4	3387.6	3464.9	3294.4	3289.1	3350.4	4072.1	4160.0	4245.2
37.5°	1858.9	1843.0	1872.3	2157.2	2101.3	2050.7	2066.7	2447.5	2700.5	2764.4
40°	1225.1	1222.4	1243.7	1294.3	1390.2	1371.6	1379.6	1550.0	1789.7	1845.6
42.5°	820.3	822.9	836.3	894.8	908.2	1004.0	988.1	1028.0	1251.7	1299.7
45°	655.2	652.5	660.5	633.9	649.8	748.4	759.0	761.7	953.4	982.7
47.5°	516.7	516.7	524.7	490.0	482.0	543.3	599.2	607.2	761.7	801.6
50°	362.2	362.2	402.1	386.2	404.8	423.5	484.7	492.7	623.2	665.8
52.5°	266.3	271.7	277.0	279.6	340.9	338.2	391.5	428.8	471.4	546.0
55°	202.4	207.7	194.4	207.7	253.0	282.3	293.0	346.2	375.5	458.1
57.5°	133.2	146.5	135.8	159.8	170.4	218.4	234.4	285.0	303.6	375.5
60°	18.6	21.3	34.6	111.9	119.8	143.8	181.1	226.4	245.0	306.3
62.5°	2.7	2.7	8.0	18.6	79.9	95.9	135.8	157.1	181.1	229.0
65°	0.0	0.0	2.7	5.3	16.0	55.9	69.2	85.2	125.2	165.1
67.5°	0.0	0.0	2.7	5.3	8.0	18.6	29.3	55.9	71.9	114.5
70°	0.0	0.0	2.7	5.3	8.0	10.7	16.0	21.3	42.6	66.6
72.5°	0.0	0.0	2.7	5.3	8.0	10.7	13.3	16.0	18.6	42.6
75°	0.0	0.0	2.7	5.3	8.0	13.3	16.0	16.0	16.0	18.6
77.5°	0.0	0.0	2.7	5.3	10.7	16.0	18.6	16.0	13.3	13.3
80°	0.0	0.0	2.7	8.0	13.3	18.6	21.3	16.0	10.7	8.0
82.5°	0.0	0.0	2.7	8.0	13.3	18.6	21.3	18.6	10.7	8.0
85°	0.0	0.0	2.7	8.0	10.7	13.3	21.3	18.6	10.7	5.3
87.5°	0.0	0.0	0.0	2.7	2.7	5.3	10.7	8.0	5.3	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637531

CATALOG NUMBER: IFLD-S-SA6B-722-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
32174.6	0°	32174.6	32174.6	32174.6	32174.6	32174.6	32174.6	32174.6	32174.6	32174.6
32257.1	2.5°	32496.8	32616.7	32827.1	32885.6	33066.7	32859.0	32744.5	32755.1	32507.5
32177.2	5°	32496.8	32771.1	33138.7	33314.4	33447.6	33436.9	33407.6	33333.1	33152.0
32017.4	7.5°	32411.6	32859.0	33365.0	33599.4	33759.2	33745.9	33812.4	33692.6	33471.6
31732.5	10°	32137.3	32526.1	33149.3	33341.1	33599.4	33604.7	33522.2	33546.1	33152.0
30691.1	12.5°	31274.4	31578.0	32124.0	32342.3	32656.6	32707.2	32616.7	32582.0	32209.2
28984.0	15°	29604.5	29780.3	30328.9	30547.3	30858.9	30816.3	30906.9	30869.6	30542.0
26677.6	17.5°	27162.3	27218.3	27793.5	27977.3	28270.3	28384.8	28248.9	28422.1	28139.8
23495.1	20°	23660.2	23961.1	24608.3	24890.6	25061.1	25266.1	25087.7	25282.1	24951.9
19633.4	22.5°	20107.4	20285.9	20871.8	21279.3	21596.2	21636.1	21569.6	21705.4	21260.6
16229.8	25°	16227.1	16522.7	16986.1	17518.8	17830.4	18022.1	17849.0	17936.9	17865.0
12586.5	27.5°	12799.5	13063.2	13412.1	13808.9	14277.6	14528.0	14389.5	14538.6	14187.1
9385.2	30°	9393.2	9526.4	9920.6	10341.3	10855.4	11159.0	11172.3	11324.1	11116.3
6575.5	32.5°	6623.5	6740.7	6983.0	7262.6	7752.7	8090.9	8037.6	8059.0	7931.1
4285.1	35°	4306.5	4463.6	4636.7	4769.9	5065.5	5438.3	5409.0	5382.4	5294.5
2817.7	37.5°	2879.0	2940.2	3036.1	3155.9	3347.7	3582.1	3659.3	3563.4	3526.1
1901.6	40°	1946.8	2053.4	2117.3	2207.8	2298.4	2495.5	2548.7	2530.1	2492.8
1331.6	42.5°	1382.2	1464.8	1544.7	1632.6	1680.5	1803.0	1906.9	1877.6	1861.6
1012.0	45°	1049.3	1123.9	1217.1	1283.7	1331.6	1403.5	1502.1	1512.7	1488.7
812.3	47.5°	841.6	908.2	982.7	1065.3	1121.2	1166.5	1251.7	1283.7	1267.7
684.5	50°	713.7	764.3	836.3	918.8	980.1	1020.0	1094.6	1129.2	1118.6
572.6	52.5°	607.2	668.5	735.1	804.3	878.9	918.8	988.1	1038.7	1030.7
474.1	55°	503.4	583.2	652.5	721.7	807.0	846.9	908.2	974.7	961.4
402.1	57.5°	439.4	506.0	577.9	644.5	735.1	788.3	844.2	913.5	910.8
330.2	60°	367.5	434.1	514.0	569.9	665.8	740.4	791.0	862.9	868.2
250.3	62.5°	293.0	375.5	436.8	514.0	601.9	689.8	737.7	809.6	836.3
191.8	65°	218.4	308.9	378.2	455.4	538.0	636.5	679.1	751.0	777.7
138.5	67.5°	162.5	231.7	319.6	386.2	479.4	564.6	615.2	681.8	700.4
82.6	70°	122.5	178.4	266.3	324.9	420.8	490.0	540.6	591.2	615.2
55.9	72.5°	71.9	133.2	210.4	279.6	362.2	420.8	458.1	498.0	514.0
26.6	75°	50.6	101.2	165.1	231.7	293.0	340.9	375.5	410.1	426.1
13.3	77.5°	26.6	74.6	130.5	186.4	229.0	269.0	303.6	330.2	340.9
10.7	80°	16.0	53.3	106.5	146.5	175.8	210.4	245.0	263.7	261.0
8.0	82.5°	10.7	42.6	77.2	106.5	127.8	154.5	178.4	191.8	191.8
5.3	85°	8.0	29.3	53.3	82.6	85.2	106.5	111.9	125.2	127.8
5.3	87.5°	5.3	18.6	29.3	47.9	45.3	55.9	58.6	66.6	71.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
32174.6
32307.7
33210.6
33522.2
33037.4
32124.0
30645.9
28070.5
24925.2
21199.4
17819.7
14277.6
11153.6
8003.0
5217.3
3518.1
2498.1
1848.3
1486.1
1259.7
1115.9
1025.3
961.4
908.2
868.2
833.6
775.0
700.4
609.9
508.7
420.8
338.2
258.3
189.1
125.2
69.2
0.0

(END OF REPORT)