

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: P637270

Luminaire Tested: **IFLD-S-SA6B-722-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637270
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23714.2 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

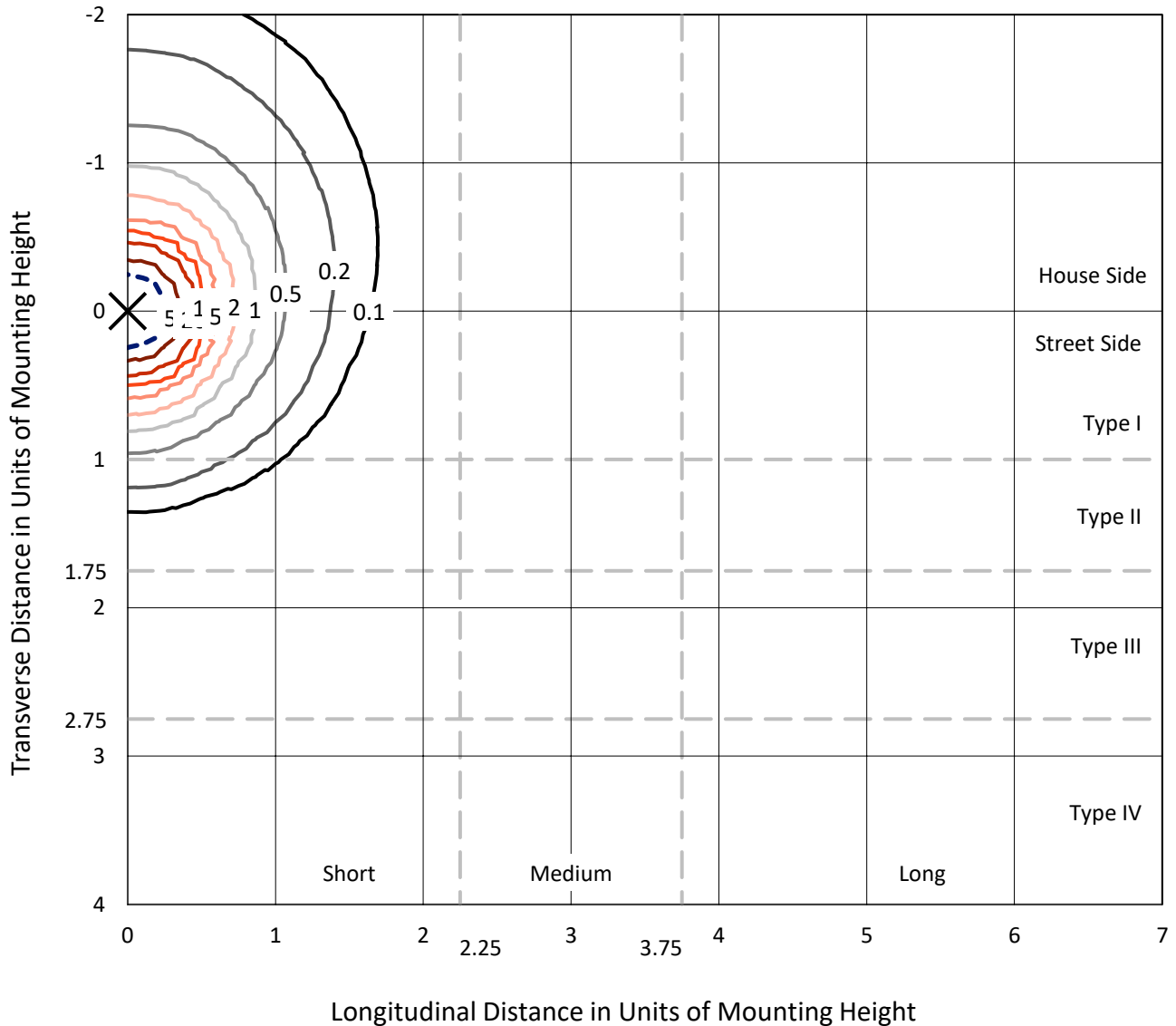
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

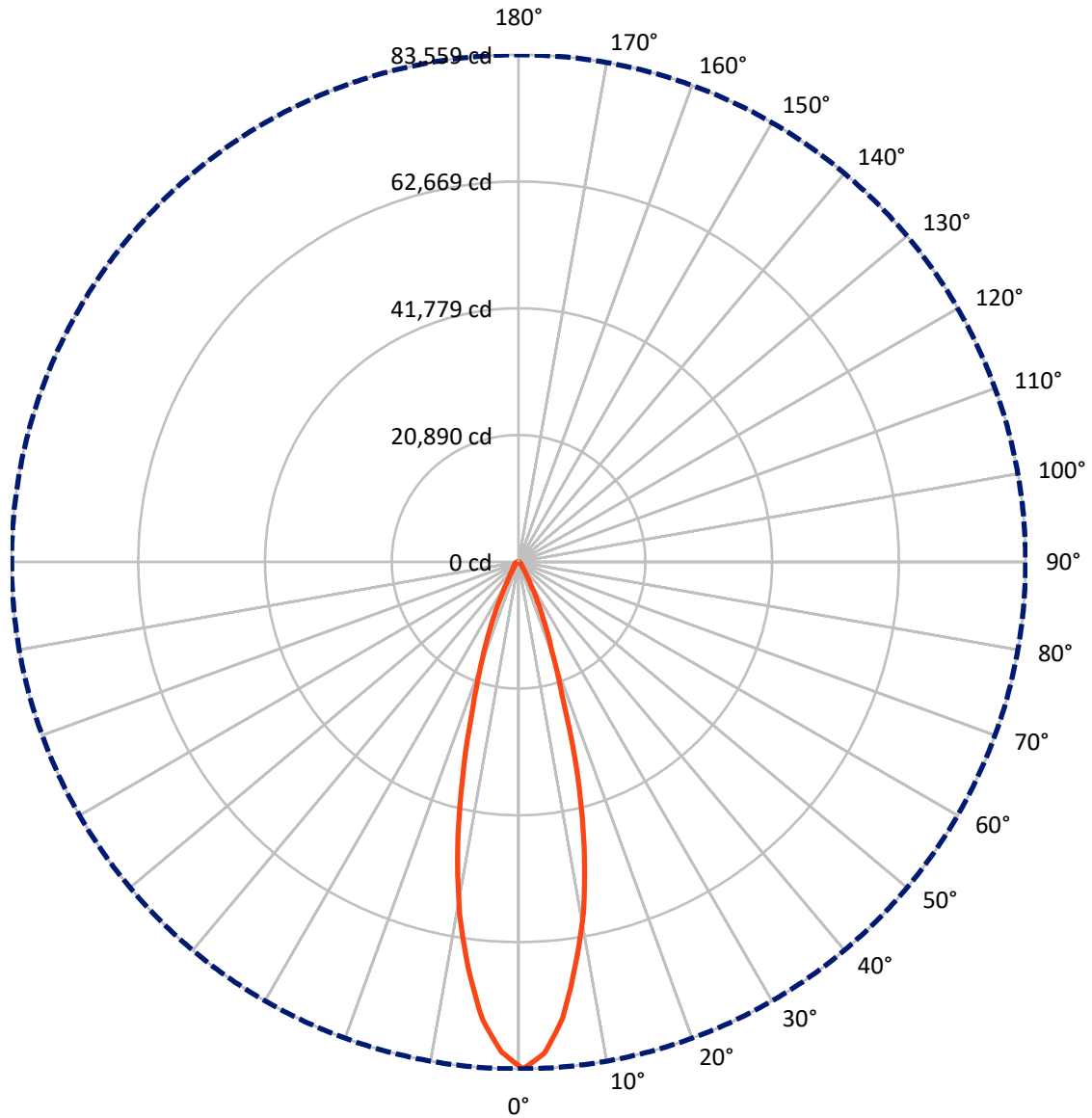
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 208.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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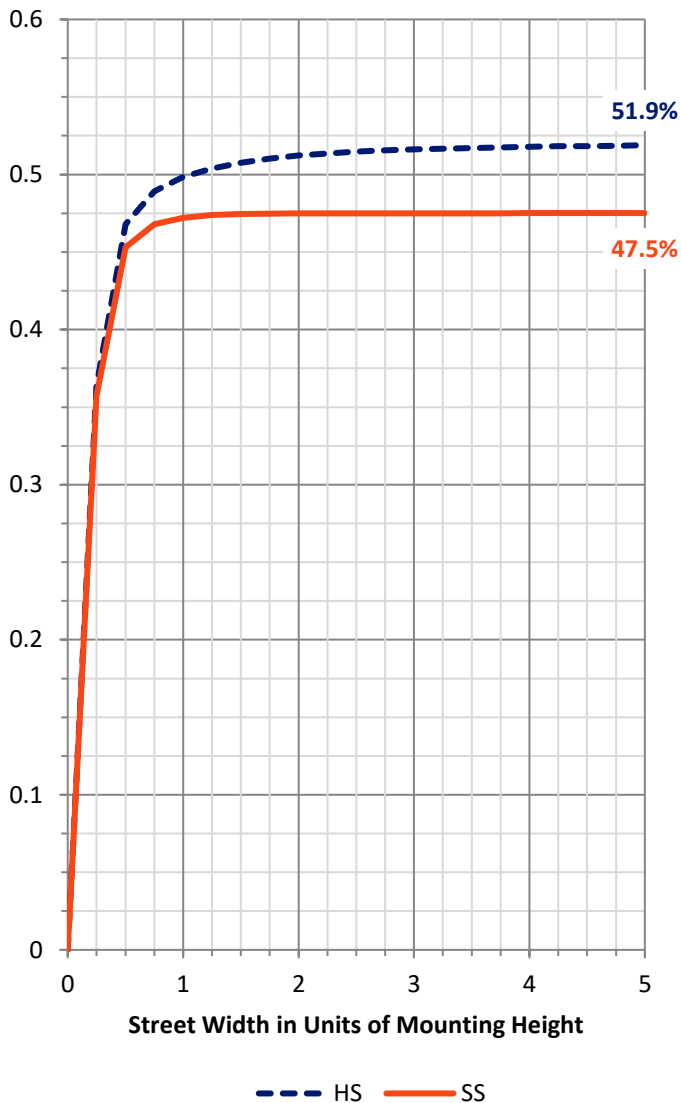
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12503.7	0.0	12503.7
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	11210.5	0.0	11210.5
	% Fixture	47.3	0.0	47.3
Total	Lumens	23714.2	0.0	23714.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6743.9	28.4
10°-20°	10213.6	43.1
20°-30°	4310.2	18.2
30°-40°	1124.1	4.7
40°-50°	568.6	2.4
50°-60°	371.6	1.6
60°-70°	222.7	0.9
70°-80°	117.1	0.5
80°-90°	42.3	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°	23714.2	100.0
0°-180°	23714.2	100.0

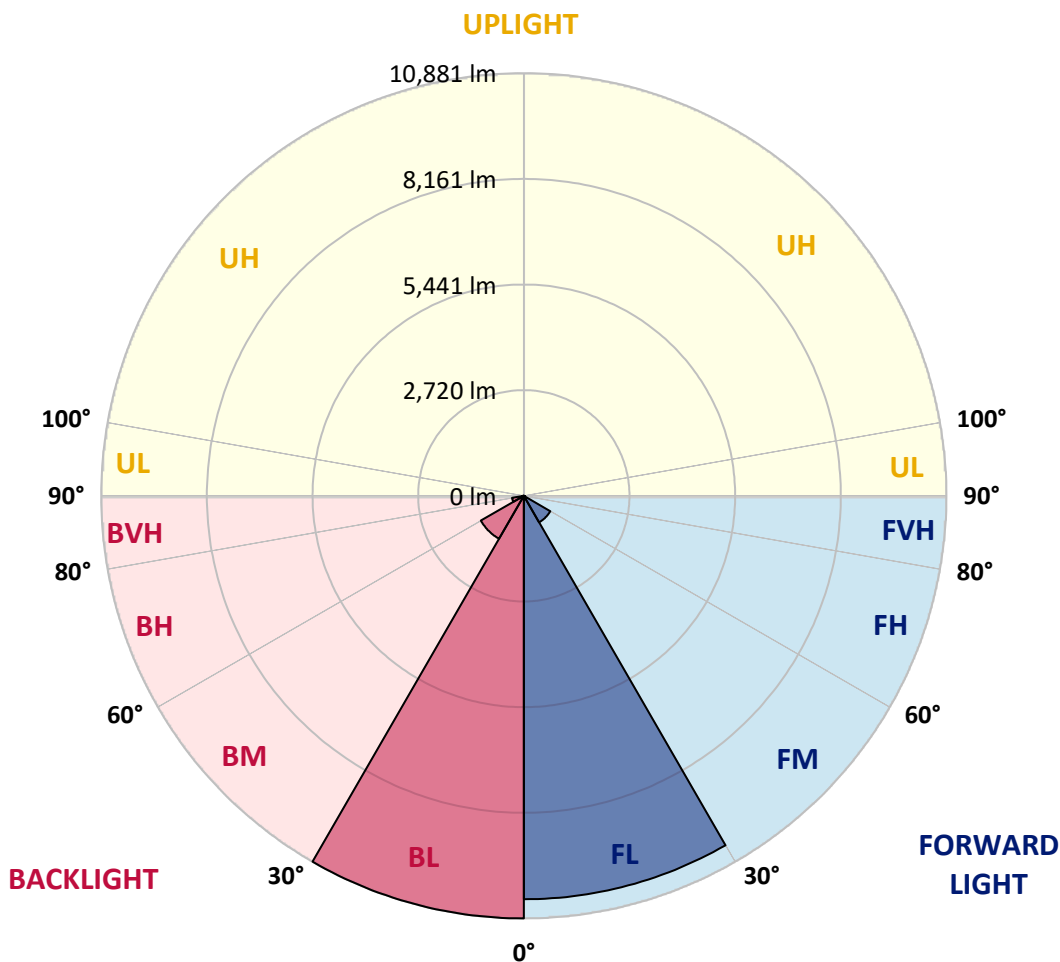


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10386.7	43.8			
FM (30°-60°)	786.6	3.3			
FH (60°-80°)	32.1	0.1			G0/660
FVH (80°-90°)	5.1	0.0			G0/10
BL (0°-30°)	10881.1	45.9	B5		
BM (30°-60°)	1277.7	5.4	B2/2500		
BH (60°-80°)	307.7	1.3	B1/500		G0/660
BVH (80°-90°)	37.2	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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	83558.6	83558.6	83558.6	83558.6	83558.6	83558.6	83558.6	83558.6	83558.6	83558.6
2.5°	81124.5	81169.7	81002.0	81364.1	81081.9	81838.2	81462.7	82048.6	81851.5	82179.1
5°	75585.1	75510.6	75462.6	76024.6	75862.1	76674.4	76155.1	75984.6	76511.9	76416.0
7.5°	67220.2	67417.3	67305.4	67451.9	67534.5	68461.2	68754.2	68525.2	68533.2	68666.3
10°	58644.9	58354.6	57941.9	58216.2	58796.7	59201.5	59039.1	59374.6	59300.1	59617.0
12.5°	48093.6	48322.6	48090.9	47845.9	48860.6	48748.7	49031.0	49214.8	48754.0	49779.3
15°	36226.6	36346.5	36628.8	36610.1	37390.4	37547.6	37510.3	37704.7	37345.2	37515.6
17.5°	23273.1	23677.9	24436.9	25720.6	27164.0	27331.8	27289.2	27129.4	26956.3	26764.5
20°	15632.6	15590.0	15864.3	16239.8	19227.8	20018.8	19994.8	19494.2	18769.8	18631.3
22.5°	10950.8	11030.7	10993.4	11366.3	11984.1	14165.2	13896.2	13387.6	13150.6	12996.1
25°	7203.8	7174.5	7360.9	7472.8	8002.7	8269.0	9211.8	9022.7	8657.9	8697.8
27.5°	4391.5	4428.8	4498.0	4593.9	4969.4	4884.2	5422.1	5494.1	5376.9	5251.7
30°	2695.1	2721.7	2777.7	2846.9	2977.4	2884.2	3033.3	3291.6	3249.0	3161.1
32.5°	1829.6	1832.2	1872.2	1898.8	1882.8	1795.0	1842.9	2087.9	2093.2	2085.2
35°	1315.6	1315.6	1352.9	1374.2	1328.9	1257.0	1265.0	1416.8	1483.4	1496.7
37.5°	908.1	910.8	974.7	1038.6	988.0	969.4	937.4	1038.6	1145.1	1161.1
40°	689.8	687.1	719.0	767.0	772.3	737.7	748.3	812.3	921.4	934.8
42.5°	559.3	561.9	577.9	572.6	575.2	620.5	636.5	665.8	767.0	791.0
45°	471.4	474.0	482.0	455.4	444.7	514.0	535.3	551.3	636.5	665.8
47.5°	388.8	394.1	402.1	372.8	367.5	412.8	450.1	466.0	540.6	572.6
50°	279.6	285.0	314.3	298.3	314.3	324.9	375.5	399.5	450.1	492.7
52.5°	202.4	207.7	215.7	218.4	258.3	263.7	300.9	338.2	362.2	410.1
55°	159.8	165.1	159.8	154.5	189.1	218.4	231.7	271.6	290.3	346.2
57.5°	90.5	95.9	103.9	119.8	125.2	167.8	181.1	215.7	231.7	285.0
60°	16.0	18.6	29.3	71.9	87.9	106.5	135.8	165.1	186.4	223.7
62.5°	2.7	2.7	5.3	16.0	50.6	74.6	98.5	117.2	135.8	170.4
65°	0.0	0.0	2.7	5.3	13.3	42.6	53.3	69.2	93.2	122.5
67.5°	0.0	0.0	2.7	5.3	8.0	16.0	24.0	42.6	53.3	82.6
70°	0.0	0.0	2.7	5.3	8.0	10.7	13.3	18.6	32.0	50.6
72.5°	0.0	0.0	2.7	5.3	8.0	10.7	13.3	16.0	16.0	32.0
75°	0.0	0.0	2.7	5.3	8.0	13.3	16.0	16.0	13.3	13.3
77.5°	0.0	0.0	2.7	5.3	10.7	16.0	18.6	16.0	10.7	10.7
80°	0.0	0.0	5.3	8.0	13.3	18.6	24.0	18.6	10.7	5.3
82.5°	0.0	0.0	5.3	10.7	13.3	21.3	29.3	24.0	10.7	5.3
85°	0.0	0.0	2.7	8.0	16.0	21.3	29.3	21.3	10.7	2.7
87.5°	0.0	0.0	2.7	2.7	5.3	8.0	16.0	13.3	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



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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
83558.6	0°	83558.6	83558.6	83558.6	83558.6	83558.6	83558.6	83558.6	83558.6	83558.6
81558.6	2.5°	82027.3	82453.4	82541.3	82424.1	82594.5	82288.3	82053.9	81446.7	81081.9
76386.7	5°	76879.4	76815.5	77260.3	77406.7	77388.1	77153.7	76826.2	76458.6	76101.8
68408.0	7.5°	68834.1	68916.6	69321.4	69579.8	69449.3	69156.3	68930.0	68653.0	68413.3
59731.5	10°	60277.4	59710.2	60213.5	60213.5	60562.4	59734.2	59811.4	59113.6	59145.6
49760.7	12.5°	49931.1	50136.2	50218.8	50455.8	50048.3	49608.9	49071.0	48964.4	48631.5
37190.7	15°	37726.0	38311.9	37808.5	38668.7	38253.3	37795.2	37712.7	36887.1	37148.1
26974.9	17.5°	26841.8	27488.9	27691.3	28184.0	27805.8	27534.2	27190.6	26940.3	26921.6
18884.3	20°	19033.4	19683.2	19832.4	20423.6	20381.0	20295.8	20005.5	19688.6	19345.0
12855.0	22.5°	13049.4	13579.3	14074.7	14871.0	14857.6	14607.3	14578.0	14130.6	14138.6
8684.5	25°	8775.0	9161.2	9278.4	10093.3	10183.8	10157.2	10005.4	9590.0	9747.1
5305.0	27.5°	5310.3	5648.5	6045.3	6332.9	6604.6	6562.0	6410.2	6178.5	6077.3
3187.8	30°	3273.0	3424.8	3571.3	3917.5	4079.9	4165.1	4093.2	3877.5	3893.5
2098.6	32.5°	2143.8	2271.7	2378.2	2596.6	2681.8	2838.9	2809.6	2764.3	2711.1
1510.0	35°	1563.3	1656.5	1728.4	1829.6	1938.8	2071.9	2093.2	2074.6	2053.3
1166.5	37.5°	1193.1	1289.0	1371.5	1414.1	1499.3	1603.2	1661.8	1659.1	1643.2
950.7	40°	969.4	1041.3	1115.9	1171.8	1230.4	1307.6	1379.5	1387.5	1387.5
798.9	42.5°	809.6	870.8	945.4	1004.0	1046.6	1118.5	1193.1	1198.4	1193.1
676.4	45°	692.4	745.7	817.6	886.8	921.4	974.7	1046.6	1062.6	1051.9
580.6	47.5°	601.9	649.8	711.1	785.6	822.9	870.8	937.4	956.1	953.4
500.7	50°	516.6	572.6	633.8	695.1	743.0	788.3	852.2	873.5	865.5
426.1	52.5°	455.4	506.0	559.3	625.8	681.8	721.7	772.3	809.6	798.9
359.5	55°	380.8	442.1	498.0	553.9	623.2	665.8	713.7	759.0	748.3
303.6	57.5°	330.2	380.8	444.7	495.3	564.6	615.2	663.1	711.1	708.4
247.7	60°	277.0	330.2	391.5	444.7	508.7	564.6	612.5	665.8	671.1
186.4	62.5°	218.4	282.3	335.6	396.8	460.7	522.0	564.6	617.8	625.8
141.1	65°	165.1	231.7	290.3	348.9	412.8	479.4	516.6	561.9	569.9
103.9	67.5°	122.5	178.4	247.7	300.9	367.5	431.4	466.0	503.3	516.6
63.9	70°	93.2	135.8	207.7	258.3	327.6	378.2	415.4	447.4	458.1
42.6	72.5°	58.6	106.5	167.8	221.0	282.3	327.6	354.2	372.8	388.8
24.0	75°	39.9	82.6	135.8	189.1	234.4	269.0	292.9	308.9	322.2
10.7	77.5°	24.0	63.9	111.9	157.1	186.4	213.1	237.0	247.7	255.7
8.0	80°	13.3	47.9	93.2	127.8	146.5	165.1	183.8	197.1	202.4
5.3	82.5°	8.0	37.3	74.6	98.5	106.5	125.2	143.8	151.8	151.8
2.7	85°	5.3	26.6	50.6	71.9	77.2	90.5	95.9	101.2	106.5
2.7	87.5°	5.3	16.0	32.0	39.9	42.6	47.9	50.6	55.9	61.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
83558.6
80812.9
75702.3
67601.1
58834.0
48327.9
36887.1
26426.3
19195.9
13984.1
9499.4
5989.4
3824.3
2692.4
2045.3
1635.2
1371.5
1187.8
1051.9
948.1
860.2
796.3
753.7
711.1
673.8
631.2
577.9
522.0
463.4
386.2
319.6
253.0
197.1
149.1
103.9
58.6
0.0

(END OF REPORT)