

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: P480551

Luminaire Tested: **IFLD-S-SA6B-750-U-SL3**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480551  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-750-U-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

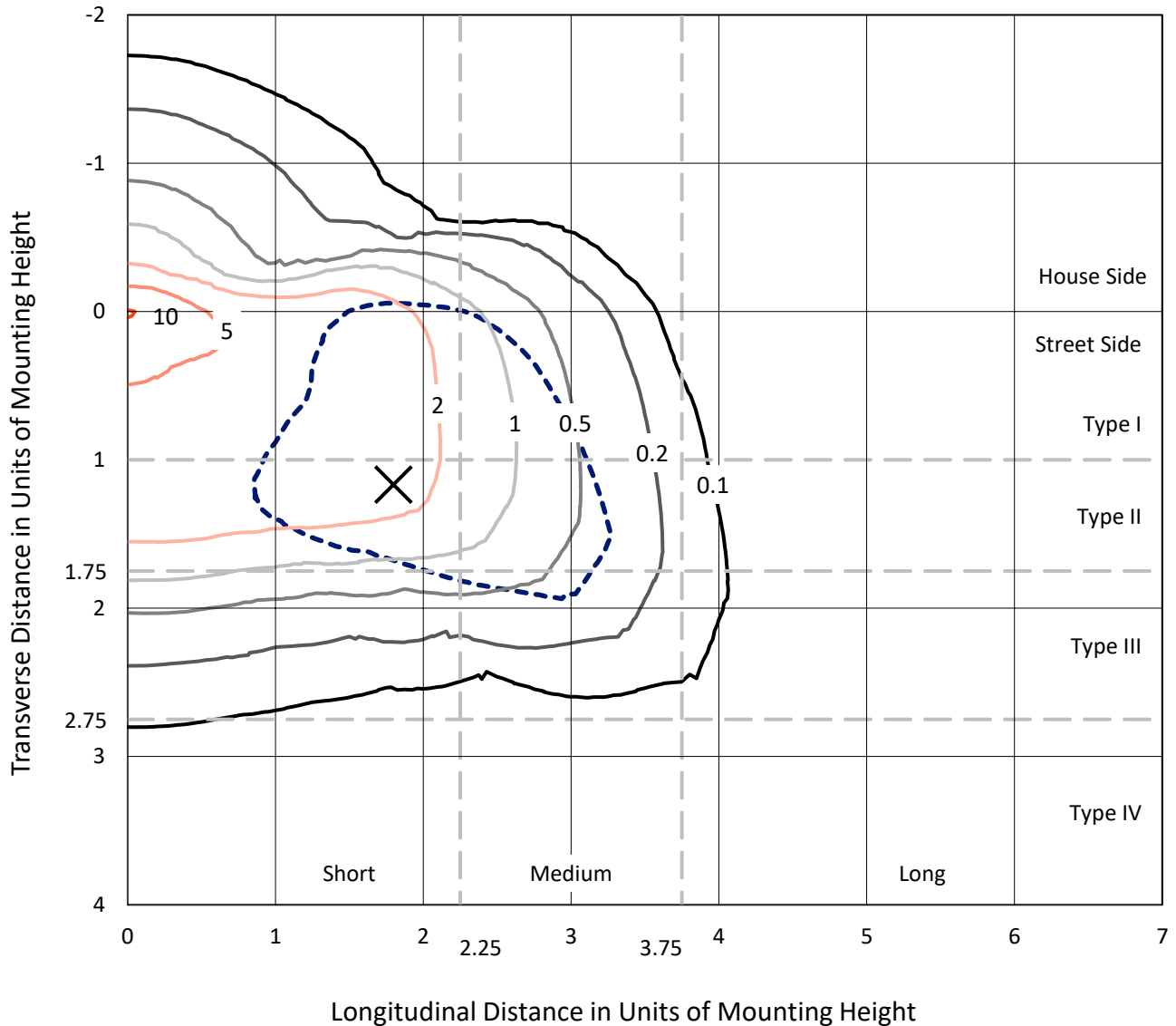
Lumens per Lamp: N/A  
Luminaire Lumens: 33690.8 lumens  
Efficiency: N/A  
Efficacy: 137.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

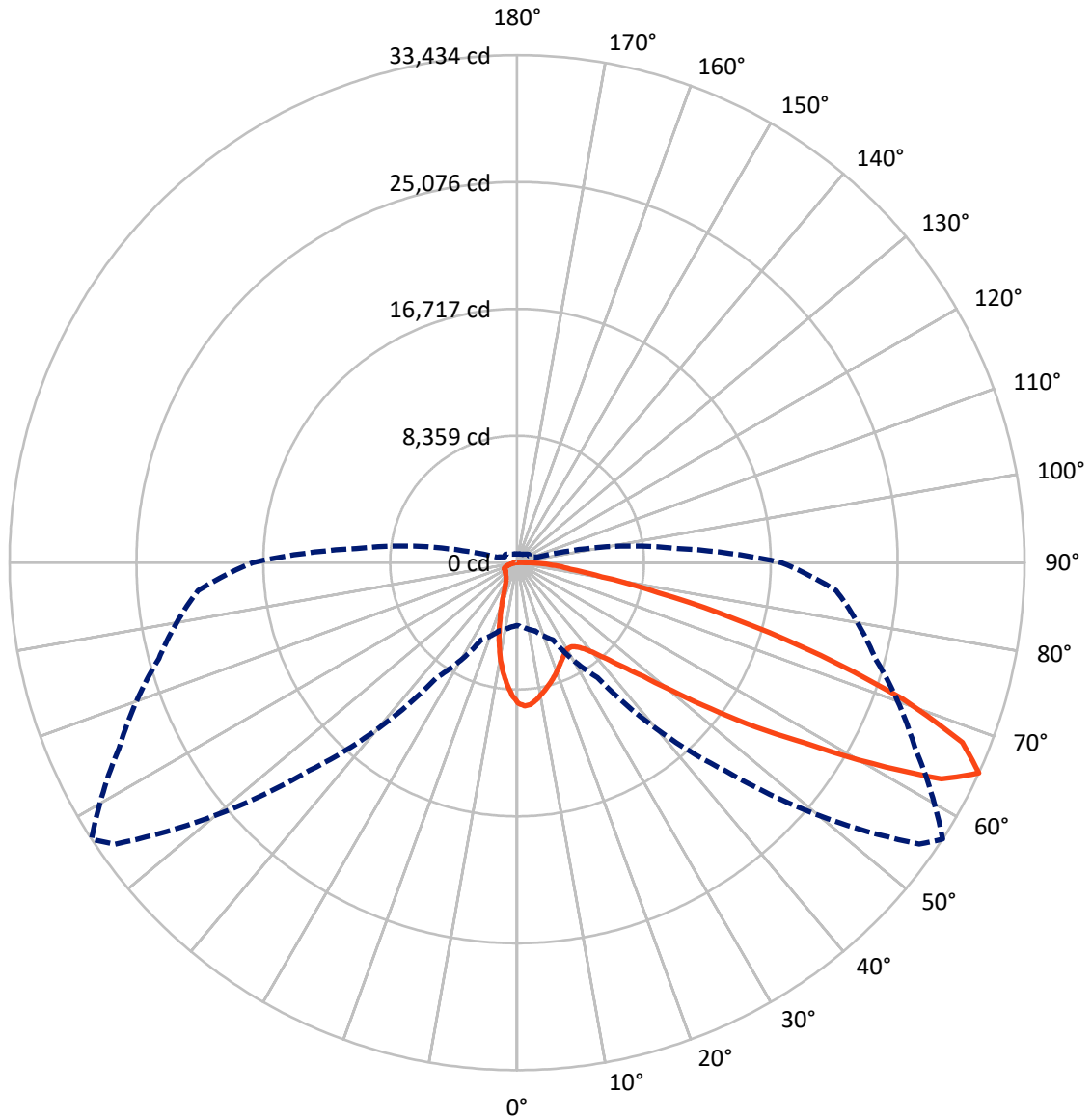
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5166.8	0.0	5166.8
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	28524.0	0.0	28524.0
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	33690.8	0.0	33690.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	775.8	2.3
10°-20°	1669.7	5.0
20°-30°	2158.8	6.4
30°-40°	2905.0	8.6
40°-50°	4632.2	13.7
50°-60°	8181.6	24.3
60°-70°	9000.8	26.7
70°-80°	3765.2	11.2
80°-90°	601.8	1.8
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°	33690.8	100.0
0°-180°	33690.8	100.0

**Coefficient of Utilization**



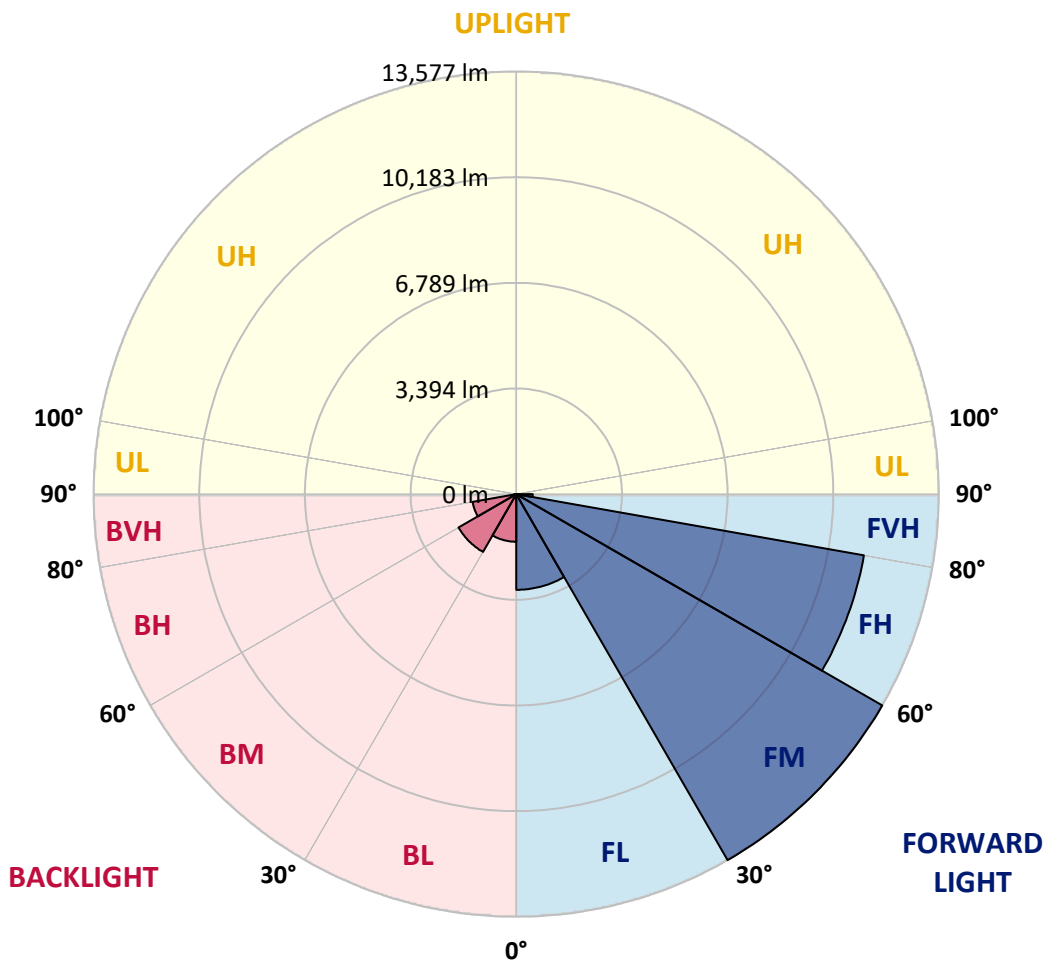
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3074.2	9.1			
FM (30°-60°)	13577.4	40.3			
FH (60°-80°)	11341.3	33.7			G4/12000
FVH (80°-90°)	531.2	1.6			G4/750
BL (0°-30°)	1530.2	4.5	B3/2500		
BM (30°-60°)	2141.4	6.4	B2/2500		
BH (60°-80°)	1424.7	4.2	B3/2500		G3/2500
BVH (80°-90°)	70.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5
2.5°	9514.7	9529.9	9529.9	9560.2	9457.8	9507.1	9499.5	9454.0	9469.2	9389.6	9310.0
5°	9245.5	9234.2	9294.8	9302.4	9382.0	9404.8	9423.7	9393.4	9401.0	9226.6	9150.8
7.5°	8555.6	8551.8	8654.2	8741.4	8908.2	9063.6	9165.9	9135.6	9177.3	9067.4	8889.2
10°	7736.8	7824.0	7930.2	8017.4	8324.4	8521.5	8786.9	8813.4	8972.6	8946.1	8623.9
12.5°	7122.7	7160.7	7240.3	7490.4	7771.0	8097.0	8476.0	8510.2	8665.6	8741.4	8460.9
15°	6618.6	6652.7	6755.1	6940.8	7255.4	7642.1	8123.5	8210.7	8521.5	8548.1	8248.6
17.5°	6250.9	6277.4	6345.7	6531.4	6789.2	7285.8	7740.6	7896.1	8305.5	8434.3	8028.7
20°	6106.8	6050.0	6087.9	6205.4	6463.2	6846.0	7433.6	7570.1	8093.2	8347.2	7820.2
22.5°	6042.4	5993.1	6015.9	6008.3	6213.0	6485.9	7103.8	7247.8	7892.3	8244.8	7634.5
25°	6091.7	6091.7	6068.9	6050.0	6072.7	6250.9	6747.5	6971.1	7623.1	8157.6	7445.0
27.5°	6357.0	6254.7	6266.0	6186.4	6163.7	6163.7	6588.3	6720.9	7535.9	8108.3	7289.5
30°	6527.6	6576.9	6580.7	6463.2	6345.7	6133.4	6440.4	6569.3	7463.9	8169.0	7198.6
32.5°	6963.5	6940.8	6876.4	6853.6	6679.2	6440.4	6512.4	6599.6	7422.2	8305.5	7225.1
35°	7399.5	7388.1	7391.9	7380.5	7198.6	6846.0	6705.8	6823.3	7498.0	8544.3	7316.1
37.5°	7850.6	7880.9	8009.8	8009.8	7816.5	7433.6	7247.8	7213.7	7774.8	8934.7	7532.1
40°	8301.7	8377.5	8540.5	8798.2	8525.3	8169.0	7869.5	7816.5	8108.3	9457.8	8051.5
42.5°	8733.8	8858.9	9181.1	9564.0	9473.0	9116.7	8718.6	8658.0	8794.5	10234.9	8775.5
45°	9287.2	9393.4	9901.3	10488.9	10614.0	10299.4	9833.1	9783.8	9776.2	11372.1	9772.5
47.5°	10128.8	10242.5	10750.5	11341.8	11728.5	11777.7	11254.6	11201.6	11019.6	12907.4	11231.9
50°	11182.6	11368.3	11796.7	12486.6	13047.6	13574.5	13426.7	13271.3	12915.0	14692.8	13081.8
52.5°	11952.1	12179.6	12759.5	13642.8	14632.2	15469.9	16000.6	16000.6	15181.8	16652.6	15306.9
55°	12156.8	12293.3	13024.9	14302.4	15996.8	18115.8	19226.5	19143.1	17880.8	18714.8	17896.0
57.5°	11341.8	11520.0	12407.0	13745.1	16713.3	20591.2	22429.6	22448.6	20830.0	21110.5	20450.9
60°	9097.7	9154.6	10200.8	11990.0	16023.3	22585.1	26804.1	26876.2	24184.7	23244.7	21751.1
62.5°	6288.8	6470.7	7259.2	8828.6	13275.1	22361.4	31023.2	31379.5	26872.4	24370.5	21955.8
65°	4139.5	4249.4	4670.2	5625.4	9241.8	19381.9	32334.8	33434.1	28926.9	24434.9	21099.1
67.5°	3002.2	3021.2	3146.3	3639.1	5553.4	13938.5	30094.5	31644.9	29696.4	23896.7	19090.0
70°	2426.1	2441.2	2486.7	2801.3	3586.0	8722.4	24544.9	26974.7	27387.9	21345.5	15375.1
72.5°	1971.2	1990.1	2047.0	2342.7	2956.8	4852.1	17949.0	20909.6	22278.0	15792.1	10219.8
75°	1550.4	1565.6	1702.0	1993.9	2778.6	3332.0	11906.6	14806.5	14992.3	9230.4	4783.9
77.5°	1061.4	1087.9	1254.7	1690.7	2615.6	2915.1	7422.2	9484.4	8510.2	3612.5	1645.2
80°	674.7	712.7	811.2	1281.3	2312.3	2782.4	4617.1	5663.3	3726.3	1235.8	792.3
82.5°	398.0	435.9	534.5	830.2	1815.8	2581.5	3252.4	3544.3	1747.5	633.0	477.6
85°	219.9	246.4	322.2	500.4	1065.2	2293.4	2604.2	2543.6	1000.7	337.4	299.5
87.5°	72.0	83.4	117.5	200.9	439.7	1080.4	1561.8	1467.0	519.3	155.4	117.5
90°	0.0	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°	180°
0°	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5	9264.5
2.5°	9256.9	9245.5	9075.0	8946.1	8726.2	8544.3	8472.2	8373.7	8369.9	8297.9	8278.9
5°	9033.3	8915.8	8654.2	8404.0	8013.6	7752.0	7513.2	7346.4	7278.2	7130.3	7096.2
7.5°	8745.2	8589.8	8187.9	7717.9	7259.2	6849.8	6478.3	6106.8	5898.3	5826.3	5746.7
10°	8445.7	8172.8	7577.6	7050.7	6410.1	5780.8	5197.1	4673.9	4389.6	4188.7	4101.6
12.5°	8206.9	7843.0	7084.8	6296.4	5451.0	4609.5	3931.0	3381.3	3059.1	2907.5	2839.2
15°	7937.8	7456.3	6546.6	5549.6	4495.8	3540.5	2877.2	2445.0	2316.1	2244.1	2232.7
17.5°	7653.4	7096.2	5962.8	4814.2	3563.3	2664.9	2236.5	2062.1	2005.3	1975.0	1959.8
20°	7388.1	6774.0	5363.9	3995.4	2790.0	2138.0	1937.1	1846.1	1842.3	1857.4	1853.7
22.5°	7012.8	6353.2	4772.5	3237.3	2228.9	1861.2	1732.4	1709.6	1732.4	1751.3	1758.9
25°	6800.5	6008.3	4112.9	2570.1	1842.3	1652.8	1611.1	1603.5	1637.6	1660.3	1656.5
27.5°	6580.7	5652.0	3498.8	2058.4	1614.8	1504.9	1497.3	1504.9	1539.0	1573.1	1569.4
30°	6410.1	5367.6	2922.6	1721.0	1440.5	1398.8	1391.2	1398.8	1417.7	1421.5	1421.5
32.5°	6269.8	5030.3	2433.6	1493.5	1334.3	1300.2	1307.8	1304.0	1307.8	1311.6	1315.4
35°	6186.4	4829.4	2031.8	1353.3	1247.1	1220.6	1216.8	1205.4	1209.2	1213.0	1209.2
37.5°	6364.6	4730.8	1713.4	1254.7	1186.5	1163.7	1156.2	1148.6	1137.2	1137.2	1137.2
40°	6633.7	4677.7	1520.1	1190.3	1141.0	1114.5	1091.7	1084.1	1084.1	1087.9	1091.7
42.5°	7168.2	4764.9	1387.4	1141.0	1084.1	1053.8	1031.1	1034.9	1046.2	1057.6	1050.0
45°	7941.5	5030.3	1326.7	1103.1	1050.0	1008.3	993.2	989.4	1000.7	1019.7	1034.9
47.5°	8953.7	5443.5	1304.0	1069.0	1027.3	970.4	951.5	962.8	978.0	1004.5	993.2
50°	10610.2	6372.2	1323.0	1038.7	993.2	951.5	928.7	917.4	928.7	947.7	955.3
52.5°	12774.7	8059.1	1395.0	1023.5	970.4	936.3	898.4	879.4	890.8	906.0	906.0
55°	15363.8	10363.8	1595.9	1004.5	932.5	913.6	871.9	834.0	841.5	841.5	837.7
57.5°	17645.8	12103.7	1834.7	978.0	909.8	883.2	830.2	784.7	777.1	780.9	784.7
60°	18669.3	12566.2	1948.4	970.4	909.8	845.3	773.3	727.8	716.4	708.9	708.9
62.5°	18491.1	11766.4	1717.2	936.3	932.5	815.0	720.2	671.0	655.8	640.6	644.4
65°	17414.5	10625.4	1353.3	890.8	936.3	796.0	667.2	617.9	591.4	572.4	568.6
67.5°	15447.2	9071.2	1072.8	856.7	898.4	761.9	621.7	564.8	542.1	523.1	515.5
70°	12084.8	7111.4	932.5	811.2	807.4	678.5	568.6	519.3	485.2	462.5	462.5
72.5°	7835.4	4495.8	799.8	720.2	697.5	568.6	492.8	462.5	435.9	417.0	417.0
75°	3548.1	2088.7	644.4	602.7	568.6	454.9	417.0	401.8	379.1	360.1	360.1
77.5°	1273.7	890.8	481.4	473.8	424.6	352.5	337.4	326.0	310.8	291.9	291.9
80°	712.7	564.8	360.1	345.0	295.7	261.6	242.6	242.6	235.0	223.7	219.9
82.5°	451.1	367.7	265.3	231.2	193.3	174.4	166.8	163.0	159.2	144.0	140.3
85°	284.3	250.2	174.4	136.5	113.7	87.2	83.4	79.6	72.0	64.4	64.4
87.5°	128.9	144.0	68.2	41.7	30.3	19.0	11.4	3.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)