

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: P480436

Luminaire Tested: **IFLD-S-SA6D-730-U-SL3**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P480436  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-730-U-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

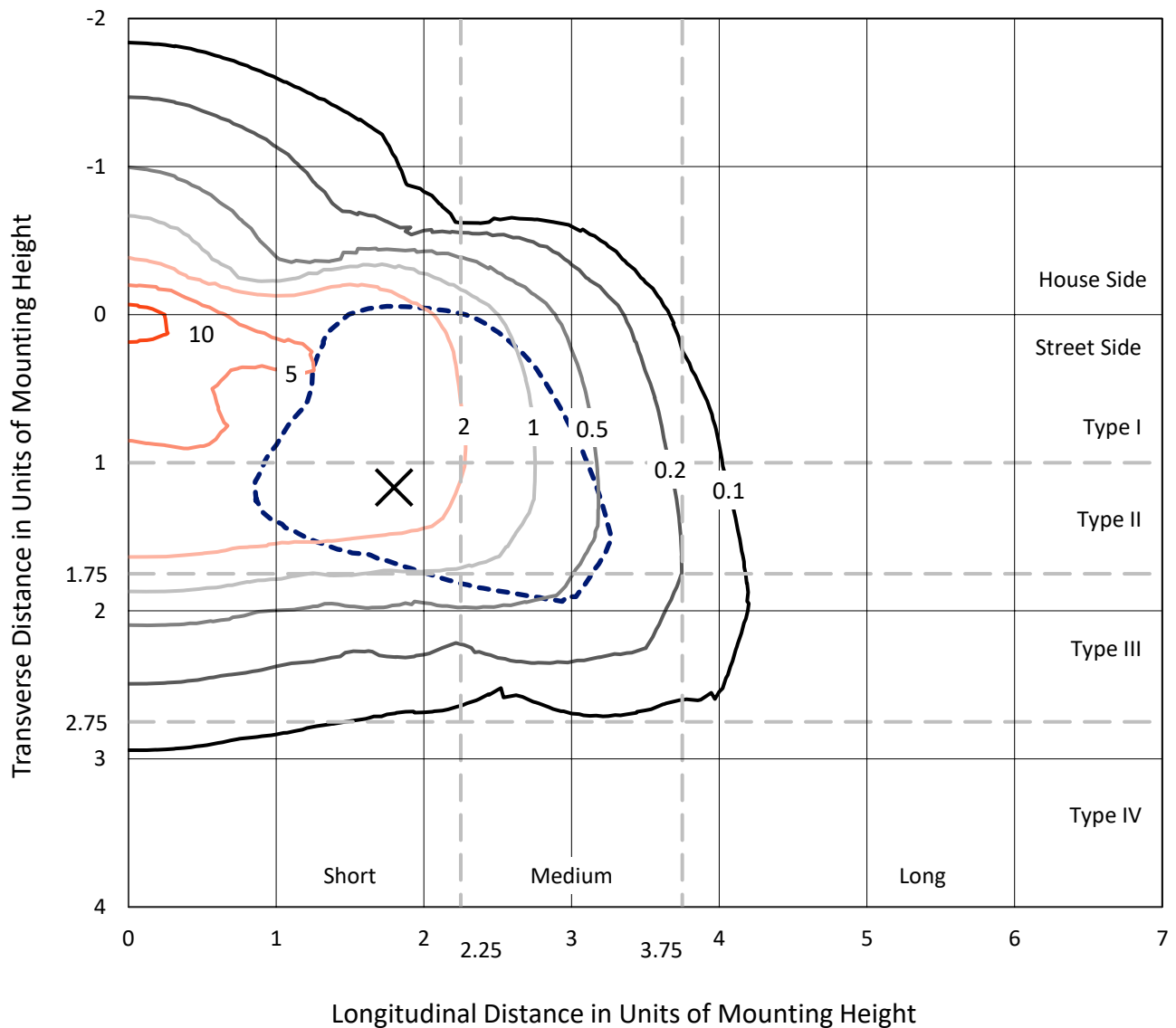
Lumens per Lamp: N/A  
Luminaire Lumens: 41081.7 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2  
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

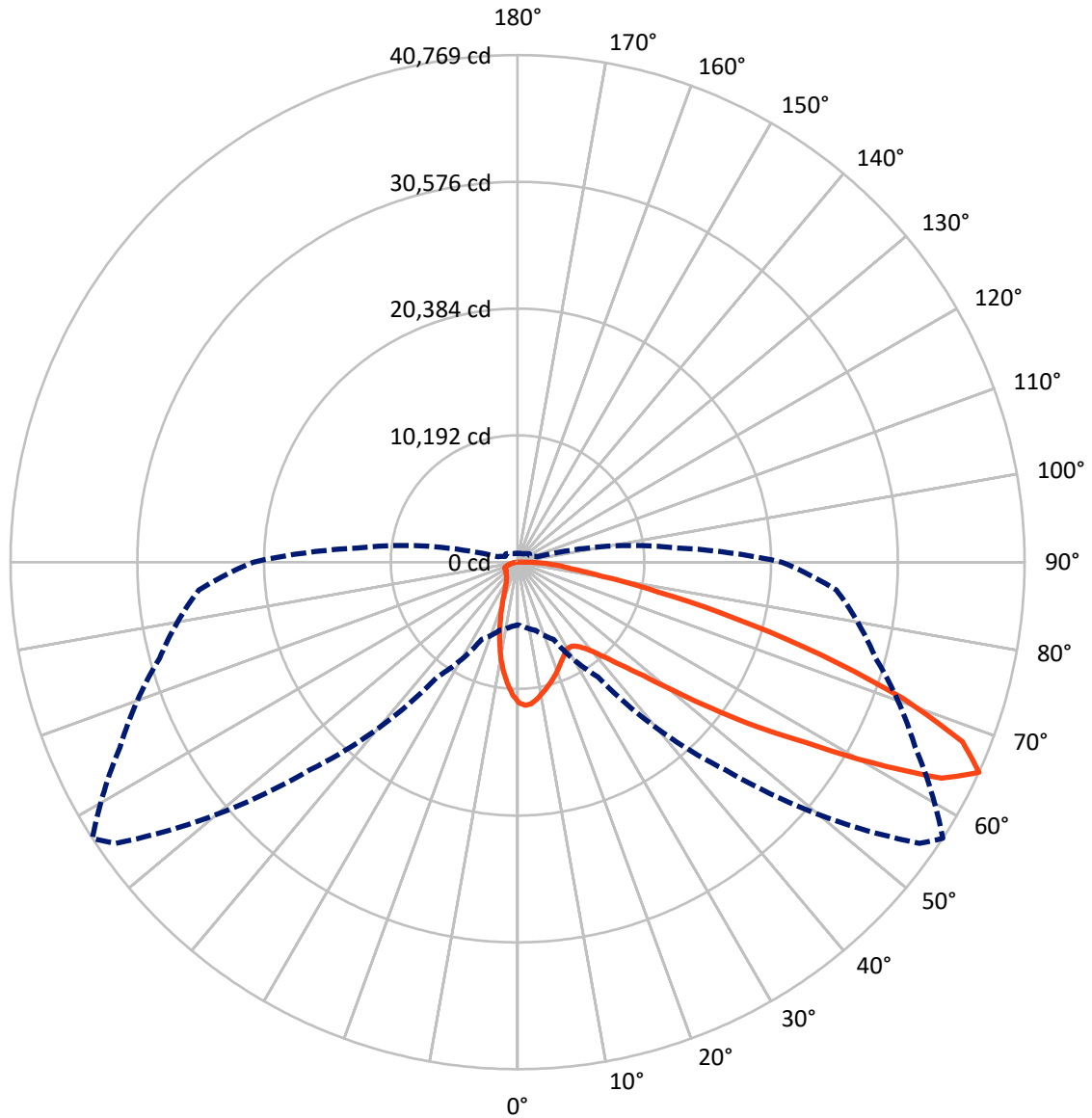
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.6 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	6300.3	0.0	6300.3
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	34781.4	0.0	34781.4
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	41081.7	0.0	41081.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	946.0	2.3
10°-20°	2036.0	5.0
20°-30°	2632.4	6.4
30°-40°	3542.3	8.6
40°-50°	5648.4	13.7
50°-60°	9976.4	24.3
60°-70°	10975.3	26.7
70°-80°	4591.2	11.2
80°-90°	733.8	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°	41081.7	100.0
0°-180°	41081.7	100.0

**Coefficient of Utilization**

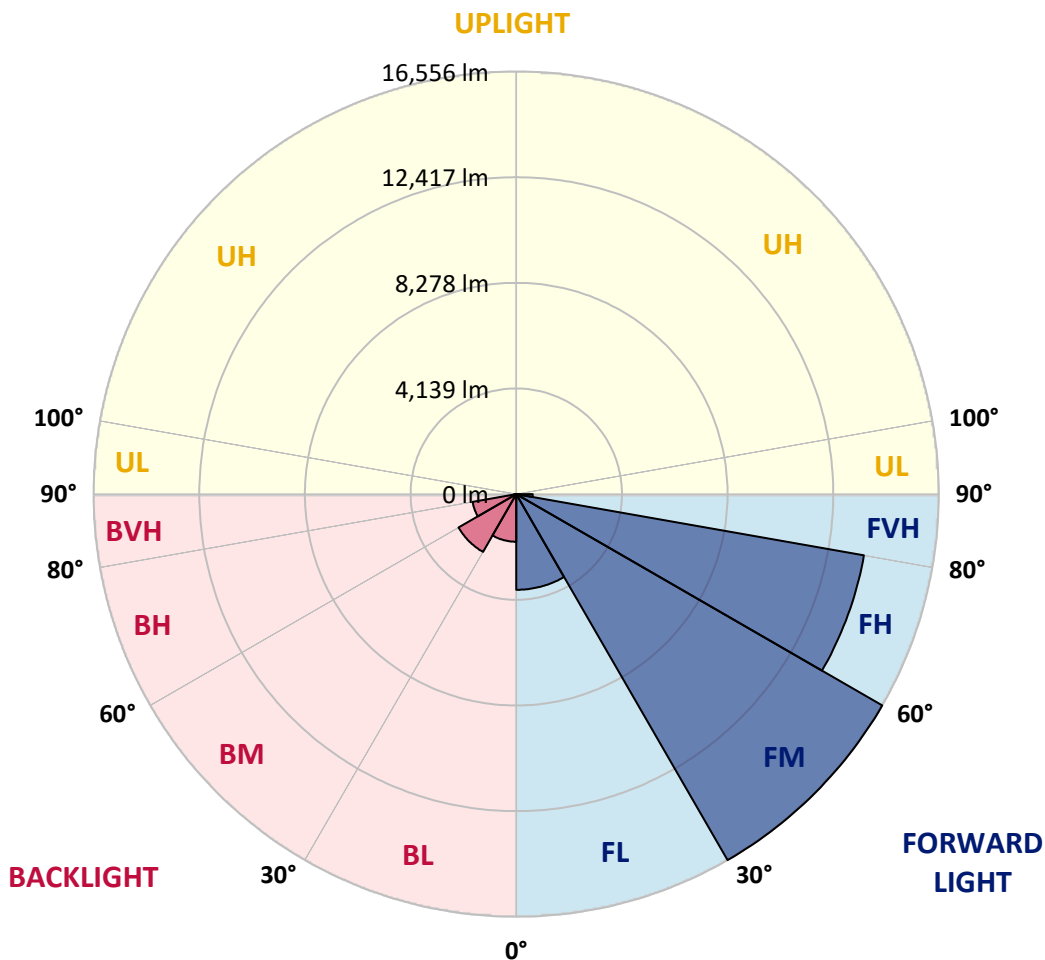


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3748.5	9.1			
FM (30°-60°)	16555.8	40.3			
FH (60°-80°)	13829.3	33.7			G5
FVH (80°-90°)	647.7	1.6			G4/750
BL (0°-30°)	1865.8	4.5	B3/2500		
BM (30°-60°)	2611.2	6.4	B3/5000		
BH (60°-80°)	1737.2	4.2	B3/2500		G3/2500
BVH (80°-90°)	86.1	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-G5**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9
2.5°	11601.9	11620.4	11620.4	11657.4	11532.6	11592.7	11583.5	11528.0	11546.5	11449.4	11352.3
5°	11273.8	11259.9	11333.8	11343.1	11440.2	11467.9	11491.0	11454.0	11463.3	11250.6	11158.2
7.5°	10432.5	10427.9	10552.7	10659.0	10862.4	11051.9	11176.7	11139.7	11190.6	11056.5	10839.3
10°	9434.1	9540.4	9669.8	9776.1	10150.5	10390.9	10714.5	10746.8	10941.0	10908.6	10515.7
12.5°	8685.3	8731.5	8828.6	9133.6	9475.7	9873.2	10335.4	10377.0	10566.5	10659.0	10316.9
15°	8070.5	8112.1	8236.9	8463.4	8847.1	9318.5	9905.6	10011.9	10390.9	10423.3	10058.1
17.5°	7622.2	7654.5	7737.7	7964.2	8278.5	8884.0	9438.7	9628.2	10127.4	10284.6	9790.0
20°	7446.5	7377.2	7423.4	7566.7	7881.0	8347.9	9064.3	9230.7	9868.6	10178.3	9535.8
22.5°	7367.9	7307.8	7335.6	7326.3	7575.9	7908.7	8662.2	8837.8	9623.6	10053.5	9309.3
25°	7428.0	7428.0	7400.3	7377.2	7404.9	7622.2	8227.7	8500.4	9295.4	9947.2	9078.2
27.5°	7751.6	7626.8	7640.6	7543.6	7515.8	7515.8	8033.5	8195.3	9189.1	9887.1	8888.7
30°	7959.6	8019.7	8024.3	7881.0	7737.7	7478.9	7853.3	8010.4	9101.3	9961.0	8777.7
32.5°	8491.1	8463.4	8384.8	8357.1	8144.5	7853.3	7941.1	8047.4	9050.4	10127.4	8810.1
35°	9022.7	9008.8	9013.5	8999.6	8777.7	8347.9	8176.8	8320.1	9142.9	10418.6	8921.0
37.5°	9572.8	9609.7	9766.9	9766.9	9531.2	9064.3	8837.8	8796.2	9480.3	10894.7	9184.5
40°	10122.8	10215.3	10414.0	10728.3	10395.5	9961.0	9595.9	9531.2	9887.1	11532.6	9817.7
42.5°	10649.8	10802.3	11195.2	11662.0	11551.1	11116.6	10631.3	10557.3	10723.7	12480.2	10700.6
45°	11324.6	11454.0	12073.4	12789.9	12942.4	12558.8	11990.2	11930.1	11920.9	13866.9	11916.3
47.5°	12350.8	12489.4	13108.8	13829.9	14301.4	14361.4	13723.6	13658.9	13437.0	15738.9	13695.8
50°	13635.7	13862.2	14384.6	15225.8	15909.9	16552.4	16372.1	16182.6	15748.1	17916.0	15951.5
52.5°	14574.1	14851.4	15558.6	16635.6	17842.0	18863.6	19510.7	19510.7	18512.3	20305.7	18664.8
55°	14823.7	14990.1	15882.2	17439.9	19506.1	22089.9	23444.2	23342.6	21803.3	22820.2	21821.8
57.5°	13829.9	14047.1	15128.7	16760.4	20379.7	25108.3	27350.1	27373.2	25399.5	25741.5	24937.2
60°	11093.5	11162.8	12438.6	14620.3	19538.4	27539.6	32684.2	32772.0	29490.2	28343.9	26522.7
62.5°	7668.4	7890.2	8851.7	10765.3	16187.3	27266.9	37828.8	38263.3	32767.4	29716.7	26772.3
65°	5047.5	5181.6	5694.7	6859.5	11269.1	23633.8	39428.1	40768.6	35272.7	29795.3	25727.7
67.5°	3660.9	3684.0	3836.5	4437.4	6771.7	16996.2	36696.3	38586.9	36211.0	29138.9	23277.8
70°	2958.3	2976.8	3032.2	3415.9	4372.7	10635.9	29929.3	32892.2	33396.0	26028.1	18748.0
72.5°	2403.6	2426.7	2496.0	2856.6	3605.4	5916.5	21886.5	25496.5	27165.2	19256.4	12461.7
75°	1890.5	1909.0	2075.4	2431.3	3388.1	4063.0	14518.6	18054.7	18281.1	11255.3	5833.3
77.5°	1294.2	1326.6	1530.0	2061.5	3189.4	3554.5	9050.4	11565.0	10377.0	4405.0	2006.1
80°	822.8	869.0	989.2	1562.3	2819.6	3392.8	5629.9	6905.7	4543.7	1506.9	966.1
82.5°	485.3	531.6	651.7	1012.3	2214.1	3147.8	3965.9	4321.8	2130.9	771.9	582.4
85°	268.1	300.4	392.9	610.1	1298.9	2796.5	3175.5	3101.6	1220.3	411.4	365.2
87.5°	87.8	101.7	143.3	245.0	536.2	1317.4	1904.4	1788.8	633.3	189.5	143.3
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°	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9	11296.9
2.5°	11287.6	11273.8	11065.8	10908.6	10640.5	10418.6	10330.8	10210.6	10206.0	10118.2	10095.1
5°	11014.9	10871.6	10552.7	10247.6	9771.5	9452.6	9161.4	8958.0	8874.8	8694.5	8652.9
7.5°	10663.6	10474.1	9984.1	9411.0	8851.7	8352.5	7899.5	7446.5	7192.3	7104.5	7007.4
10°	10298.5	9965.7	9240.0	8597.5	7816.3	7049.0	6337.2	5699.3	5352.6	5107.6	5001.3
12.5°	10007.3	9563.5	8639.1	7677.6	6646.8	5620.7	4793.3	4123.1	3730.2	3545.3	3462.1
15°	9679.1	9092.0	7982.7	6767.0	5482.0	4317.2	3508.3	2981.4	2824.2	2736.4	2722.5
17.5°	9332.4	8652.9	7270.9	5870.3	4345.0	3249.5	2727.1	2514.5	2445.2	2408.2	2389.7
20°	9008.8	8260.0	6540.5	4871.9	3402.0	2607.0	2362.0	2251.1	2246.4	2264.9	2260.3
22.5°	8551.2	7747.0	5819.5	3947.4	2717.9	2269.5	2112.4	2084.7	2112.4	2135.5	2144.7
25°	8292.4	7326.3	5015.2	3133.9	2246.4	2015.3	1964.5	1955.2	1996.8	2024.6	2019.9
27.5°	8024.3	6891.8	4266.4	2509.9	1969.1	1835.0	1825.8	1835.0	1876.6	1918.2	1913.6
30°	7816.3	6545.2	3563.8	2098.5	1756.5	1705.6	1696.4	1705.6	1728.7	1733.4	1733.4
32.5°	7645.3	6133.8	2967.5	1821.2	1627.0	1585.4	1594.7	1590.1	1594.7	1599.3	1603.9
35°	7543.6	5888.8	2477.5	1650.2	1520.7	1488.4	1483.8	1469.9	1474.5	1479.1	1474.5
37.5°	7760.8	5768.6	2089.3	1530.0	1446.8	1419.0	1409.8	1400.6	1386.7	1386.7	1386.7
40°	8089.0	5703.9	1853.5	1451.4	1391.3	1359.0	1331.2	1322.0	1322.0	1326.6	1331.2
42.5°	8740.7	5810.2	1691.8	1391.3	1322.0	1285.0	1257.3	1261.9	1275.8	1289.6	1280.4
45°	9683.7	6133.8	1617.8	1345.1	1280.4	1229.5	1211.0	1206.4	1220.3	1243.4	1261.9
47.5°	10917.8	6637.6	1590.1	1303.5	1252.6	1183.3	1160.2	1174.1	1192.6	1224.9	1211.0
50°	12937.8	7770.1	1613.2	1266.5	1211.0	1160.2	1132.5	1118.6	1132.5	1155.6	1164.8
52.5°	15577.1	9827.0	1701.0	1248.0	1183.3	1141.7	1095.5	1072.4	1086.2	1104.7	1104.7
55°	18734.1	12637.3	1946.0	1224.9	1137.1	1114.0	1063.1	1016.9	1026.1	1026.1	1021.5
57.5°	21516.7	14759.0	2237.2	1192.6	1109.3	1077.0	1012.3	956.8	947.6	952.2	956.8
60°	22764.8	15322.9	2375.9	1183.3	1109.3	1030.8	942.9	887.5	873.6	864.4	864.4
62.5°	22547.5	14347.6	2093.9	1141.7	1137.1	993.8	878.2	818.1	799.7	781.2	785.8
65°	21234.8	12956.3	1650.2	1086.2	1141.7	970.7	813.5	753.4	721.1	698.0	693.3
67.5°	18835.8	11061.1	1308.1	1044.6	1095.5	929.1	758.1	688.7	661.0	637.9	628.6
70°	14735.9	8671.4	1137.1	989.2	984.5	827.4	693.3	633.3	591.7	563.9	563.9
72.5°	9554.3	5482.0	975.3	878.2	850.5	693.3	600.9	563.9	531.6	508.5	508.5
75°	4326.5	2546.9	785.8	734.9	693.3	554.7	508.5	490.0	462.2	439.1	439.1
77.5°	1553.1	1086.2	587.0	577.8	517.7	429.9	411.4	397.5	379.0	355.9	355.9
80°	869.0	688.7	439.1	420.6	360.5	318.9	295.8	295.8	286.6	272.7	268.1
82.5°	550.1	448.4	323.6	282.0	235.7	212.6	203.4	198.8	194.1	175.6	171.0
85°	346.7	305.1	212.6	166.4	138.7	106.3	101.7	97.1	87.8	78.6	78.6
87.5°	157.2	175.6	83.2	50.8	37.0	23.1	13.9	4.6	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)