

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: P480357

Luminaire Tested: **IFLD-S-SA6C-722-U-SL3**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480357  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-722-U-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

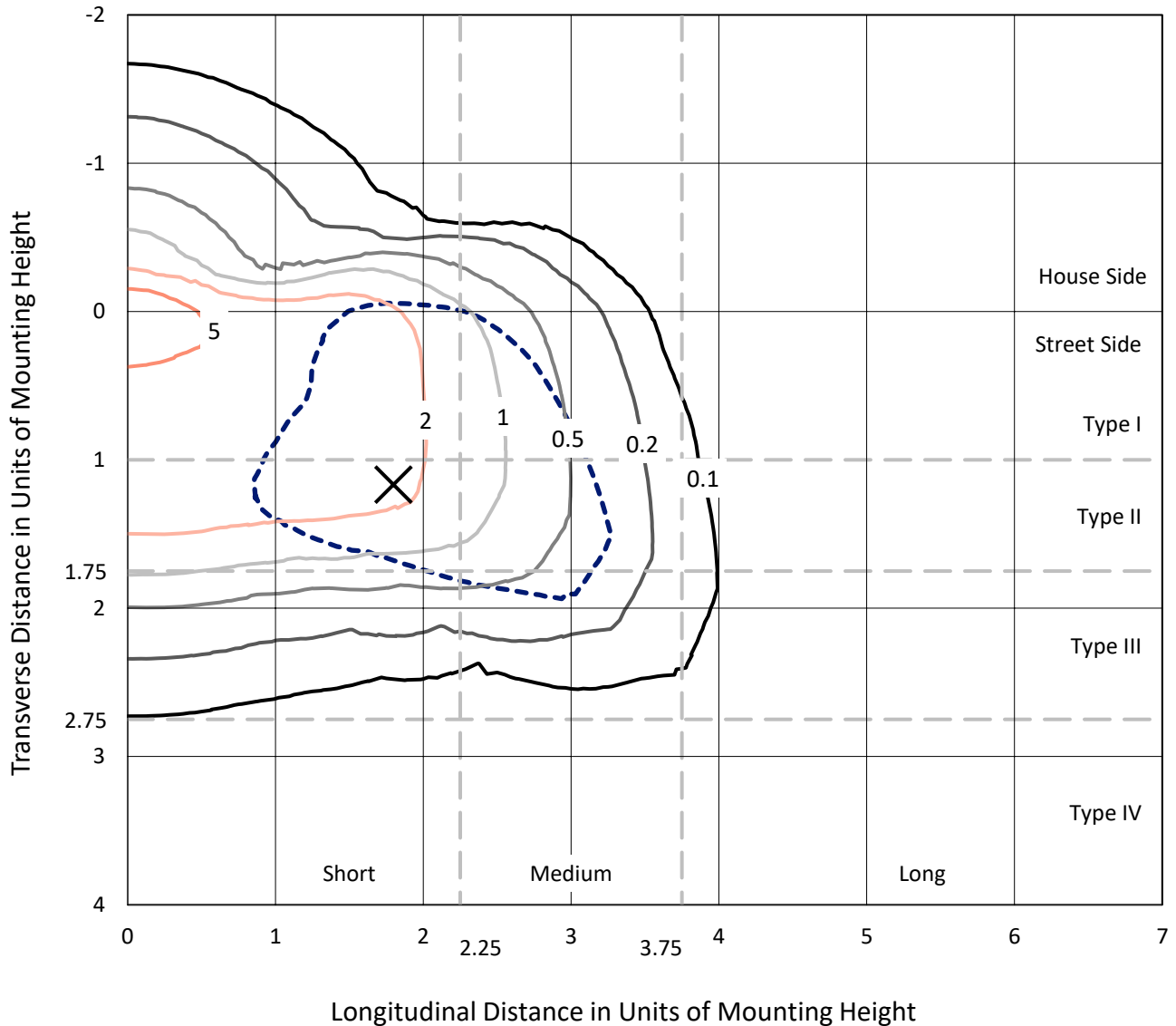
Lumens per Lamp: N/A  
Luminaire Lumens: 30200.8 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 321.5  
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

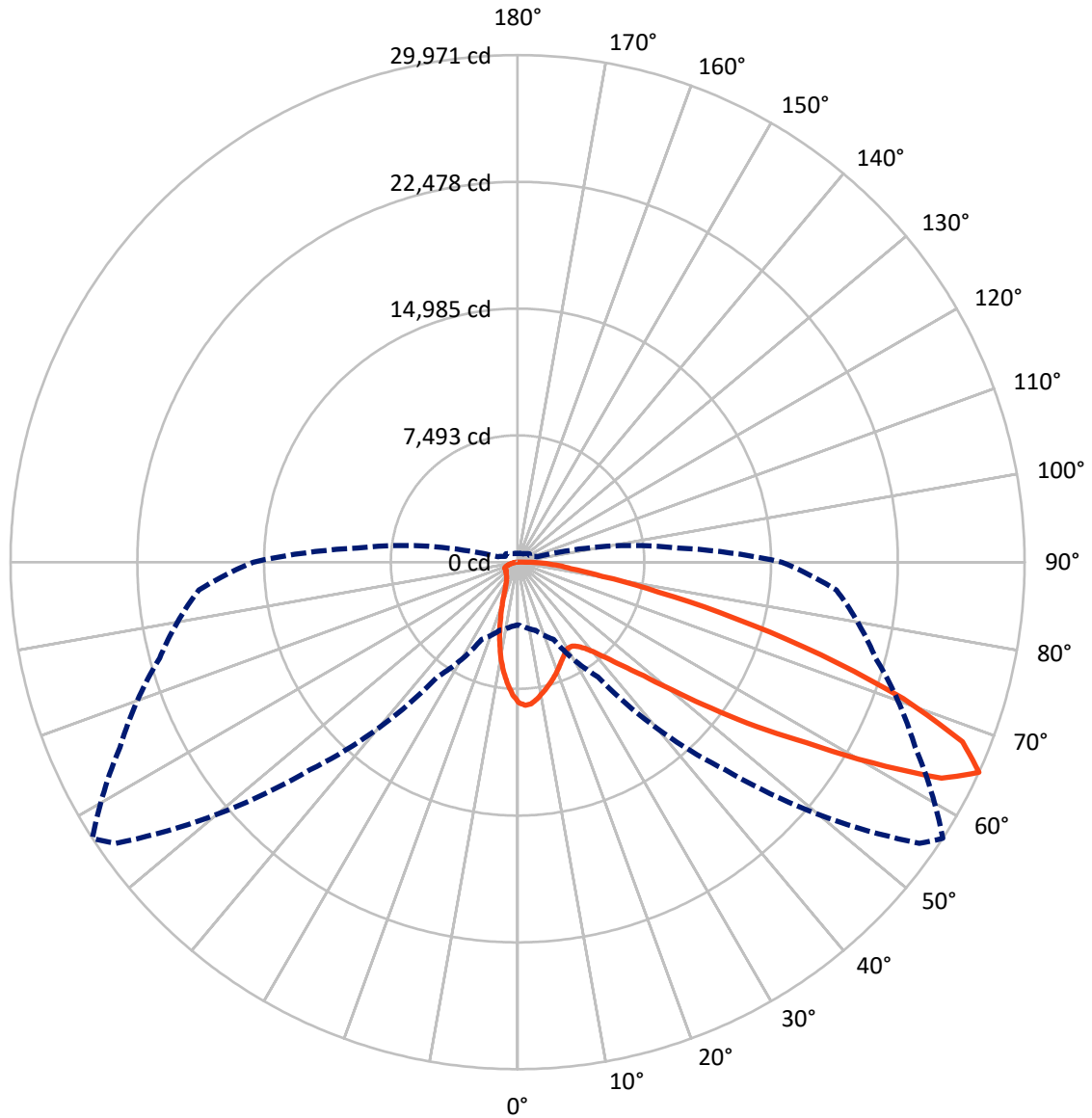
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.2 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	4631.6	0.0	4631.6
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	25569.2	0.0	25569.2
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	30200.8	0.0	30200.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	695.5	2.3
10°-20°	1496.7	5.0
20°-30°	1935.2	6.4
30°-40°	2604.1	8.6
40°-50°	4152.3	13.7
50°-60°	7334.0	24.3
60°-70°	8068.4	26.7
70°-80°	3375.1	11.2
80°-90°	539.4	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°	30200.8	100.0
0°-180°	30200.8	100.0

**Coefficient of Utilization**



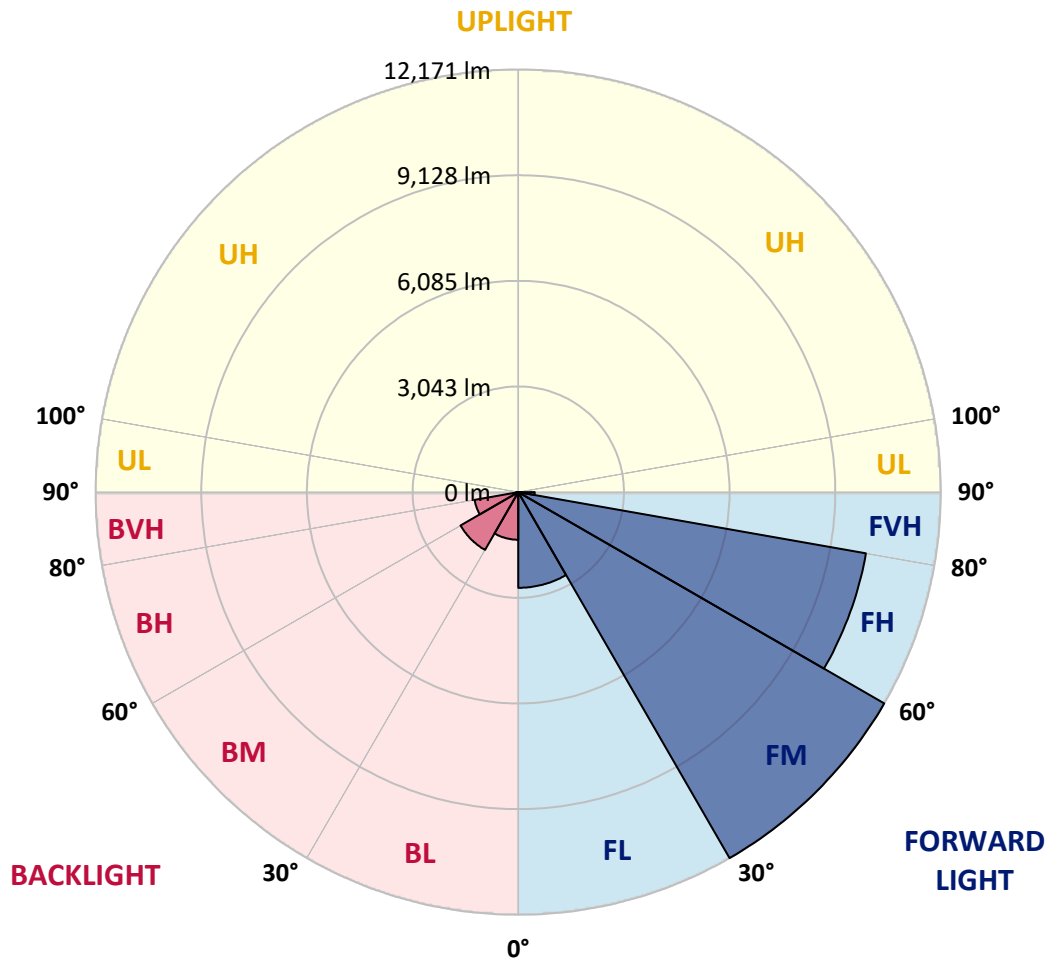
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2755.7	9.1			
FM (30°-60°)	12170.9	40.3			
FH (60°-80°)	10166.5	33.7			G4/12000
FVH (80°-90°)	476.1	1.6			G3/500
BL (0°-30°)	1371.6	4.5	B3/2500		
BM (30°-60°)	1919.6	6.4	B2/2500		
BH (60°-80°)	1277.1	4.2	B3/2500		G3/2500
BVH (80°-90°)	63.3	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°	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8
2.5°	8529.1	8542.7	8542.7	8569.8	8478.1	8522.3	8515.5	8474.7	8488.3	8416.9	8345.6
5°	8287.8	8277.6	8332.0	8338.8	8410.1	8430.5	8447.5	8420.3	8427.1	8270.8	8202.8
7.5°	7669.4	7666.0	7757.7	7835.9	7985.4	8124.7	8216.4	8189.3	8226.6	8128.1	7968.4
10°	6935.4	7013.5	7108.7	7186.8	7462.1	7638.8	7876.6	7900.4	8043.1	8019.4	7730.5
12.5°	6384.9	6418.9	6490.2	6714.5	6966.0	7258.2	7598.0	7628.6	7767.9	7835.9	7584.4
15°	5933.0	5963.5	6055.3	6221.8	6503.8	6850.4	7282.0	7360.1	7638.8	7662.6	7394.1
17.5°	5603.4	5627.1	5688.3	5854.8	6085.9	6531.0	6938.8	7078.1	7445.1	7560.6	7197.0
20°	5474.2	5423.3	5457.2	5562.6	5793.6	6136.8	6663.5	6785.9	7254.8	7482.5	7010.1
22.5°	5416.5	5372.3	5392.7	5385.9	5569.4	5814.0	6367.9	6497.0	7074.7	7390.7	6843.6
25°	5460.6	5460.6	5440.2	5423.3	5443.6	5603.4	6048.5	6249.0	6833.4	7312.6	6673.7
27.5°	5698.5	5606.8	5616.9	5545.6	5525.2	5525.2	5905.8	6024.7	6755.3	7268.4	6534.4
30°	5851.4	5895.6	5899.0	5793.6	5688.3	5498.0	5773.3	5888.8	6690.7	7322.8	6452.9
32.5°	6242.2	6221.8	6164.0	6143.6	5987.3	5773.3	5837.8	5916.0	6653.3	7445.1	6476.6
35°	6633.0	6622.8	6626.2	6616.0	6452.9	6136.8	6011.1	6116.5	6721.3	7659.2	6558.2
37.5°	7037.3	7064.5	7180.0	7180.0	7006.7	6663.5	6497.0	6466.5	6969.4	8009.2	6751.9
40°	7441.7	7509.6	7655.8	7886.8	7642.2	7322.8	7054.3	7006.7	7268.4	8478.1	7217.4
42.5°	7829.1	7941.2	8230.0	8573.2	8491.7	8172.3	7815.5	7761.1	7883.4	9174.7	7866.4
45°	8325.2	8420.3	8875.7	9402.4	9514.5	9232.5	8814.5	8770.3	8763.5	10194.1	8760.1
47.5°	9079.5	9181.5	9636.8	10166.9	10513.5	10557.7	10088.8	10041.2	9878.1	11570.3	10068.4
50°	10024.2	10190.7	10574.7	11193.1	11696.0	12168.4	12035.8	11896.5	11577.1	13170.8	11726.6
52.5°	10714.0	10917.9	11437.8	12229.5	13116.4	13867.4	14343.1	14343.1	13609.1	14927.6	13721.3
55°	10897.5	11019.8	11675.6	12820.8	14339.7	16239.2	17234.8	17160.1	16028.5	16776.1	16042.1
57.5°	10166.9	10326.6	11121.8	12321.3	14981.9	18458.1	20106.2	20123.1	18672.2	18923.6	18332.4
60°	8155.3	8206.2	9144.1	10748.0	14363.5	20245.5	24027.5	24092.0	21679.4	20836.7	19497.9
62.5°	5637.3	5800.4	6507.2	7914.0	11899.9	20045.0	27809.5	28128.9	24088.6	21845.9	19681.4
65°	3710.7	3809.2	4186.4	5042.7	8284.4	17374.1	28985.2	29970.6	25930.4	21903.7	18913.4
67.5°	2691.2	2708.2	2820.4	3262.1	4978.1	12494.6	26977.0	28366.8	26620.2	21421.2	17112.5
70°	2174.7	2188.3	2229.1	2511.1	3214.5	7818.9	22002.3	24180.4	24550.8	19134.3	13782.4
72.5°	1767.0	1784.0	1834.9	2100.0	2650.5	4349.5	16089.7	18743.5	19970.2	14156.2	9161.1
75°	1389.8	1403.4	1525.7	1787.4	2490.8	2986.9	10673.2	13272.7	13439.2	8274.2	4288.3
77.5°	951.4	975.2	1124.7	1515.5	2344.6	2613.1	6653.3	8501.9	7628.6	3238.3	1474.7
80°	604.8	638.8	727.2	1148.5	2072.8	2494.2	4138.8	5076.7	3340.3	1107.8	710.2
82.5°	356.8	390.8	479.1	744.2	1627.7	2314.1	2915.5	3177.2	1566.5	567.5	428.2
85°	197.1	220.9	288.8	448.5	954.8	2055.8	2334.4	2280.1	897.1	302.4	268.4
87.5°	64.6	74.8	105.3	180.1	394.2	968.4	1400.0	1315.0	465.5	139.3	105.3
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°	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8	8304.8
2.5°	8298.0	8287.8	8134.9	8019.4	7822.3	7659.2	7594.6	7506.3	7502.9	7438.3	7421.3
5°	8097.5	7992.2	7757.7	7533.4	7183.4	6949.0	6734.9	6585.4	6524.2	6391.7	6361.1
7.5°	7839.3	7699.9	7339.7	6918.4	6507.2	6140.2	5807.2	5474.2	5287.3	5222.8	5151.4
10°	7570.8	7326.2	6792.7	6320.3	5746.1	5182.0	4658.7	4189.8	3934.9	3754.8	3676.7
12.5°	7356.7	7030.5	6350.9	5644.1	4886.4	4132.0	3523.8	3031.0	2742.2	2606.3	2545.1
15°	7115.5	6683.9	5868.4	4974.7	4030.1	3173.8	2579.1	2191.7	2076.2	2011.6	2001.4
17.5°	6860.6	6361.1	5345.1	4315.5	3194.1	2388.8	2004.8	1848.5	1797.6	1770.4	1756.8
20°	6622.8	6072.3	4808.2	3581.5	2501.0	1916.5	1736.4	1654.8	1651.4	1665.0	1661.6
22.5°	6286.4	5695.1	4278.1	2901.9	1998.0	1668.4	1552.9	1532.5	1552.9	1569.9	1576.7
25°	6096.1	5385.9	3686.9	2303.9	1651.4	1481.5	1444.2	1437.4	1467.9	1488.3	1484.9
27.5°	5899.0	5066.5	3136.4	1845.1	1447.6	1349.0	1342.2	1349.0	1379.6	1410.2	1406.8
30°	5746.1	4811.6	2619.9	1542.7	1291.3	1253.9	1247.1	1253.9	1270.9	1274.3	1274.3
32.5°	5620.3	4509.2	2181.5	1338.8	1196.1	1165.5	1172.3	1168.9	1172.3	1175.7	1179.1
35°	5545.6	4329.1	1821.3	1213.1	1118.0	1094.2	1090.8	1080.6	1084.0	1087.4	1084.0
37.5°	5705.3	4240.7	1535.9	1124.7	1063.6	1043.2	1036.4	1029.6	1019.4	1019.4	1019.4
40°	5946.6	4193.2	1362.6	1067.0	1022.8	999.0	978.6	971.8	971.8	975.2	978.6
42.5°	6425.7	4271.3	1243.7	1022.8	971.8	944.7	924.3	927.7	937.9	948.1	941.3
45°	7118.9	4509.2	1189.3	988.8	941.3	903.9	890.3	886.9	897.1	914.1	927.7
47.5°	8026.2	4879.6	1168.9	958.2	920.9	869.9	852.9	863.1	876.7	900.5	890.3
50°	9511.1	5712.1	1185.9	931.1	890.3	852.9	832.5	822.3	832.5	849.5	856.3
52.5°	11451.4	7224.2	1250.5	917.5	869.9	839.3	805.3	788.3	798.5	812.1	812.1
55°	13772.2	9290.2	1430.6	900.5	835.9	818.9	781.5	747.6	754.4	754.4	751.0
57.5°	15817.8	10849.9	1644.6	876.7	815.5	791.7	744.2	703.4	696.6	700.0	703.4
60°	16735.3	11264.5	1746.6	869.9	815.5	757.8	693.2	652.4	642.2	635.4	635.4
62.5°	16575.6	10547.5	1539.3	839.3	835.9	730.6	645.6	601.5	587.9	574.3	577.7
65°	15610.6	9524.7	1213.1	798.5	839.3	713.6	598.1	553.9	530.1	513.1	509.7
67.5°	13847.0	8131.5	961.6	768.0	805.3	683.0	557.3	506.3	485.9	468.9	462.1
70°	10832.9	6374.7	835.9	727.2	723.8	608.2	509.7	465.5	434.9	414.6	414.6
72.5°	7023.7	4030.1	717.0	645.6	625.2	509.7	441.7	414.6	390.8	373.8	373.8
75°	3180.6	1872.3	577.7	540.3	509.7	407.8	373.8	360.2	339.8	322.8	322.8
77.5°	1141.7	798.5	431.5	424.8	380.6	316.0	302.4	292.2	278.6	261.6	261.6
80°	638.8	506.3	322.8	309.2	265.0	234.5	217.5	217.5	210.7	200.5	197.1
82.5°	404.4	329.6	237.9	207.3	173.3	156.3	149.5	146.1	142.7	129.1	125.7
85°	254.9	224.3	156.3	122.3	101.9	78.2	74.8	71.4	64.6	57.8	57.8
87.5°	115.5	129.1	61.2	37.4	27.2	17.0	10.2	3.4	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)