

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: P476466

Luminaire Tested: **IFLD-L-SA7B-722-U-T2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476466  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-722-U-T2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

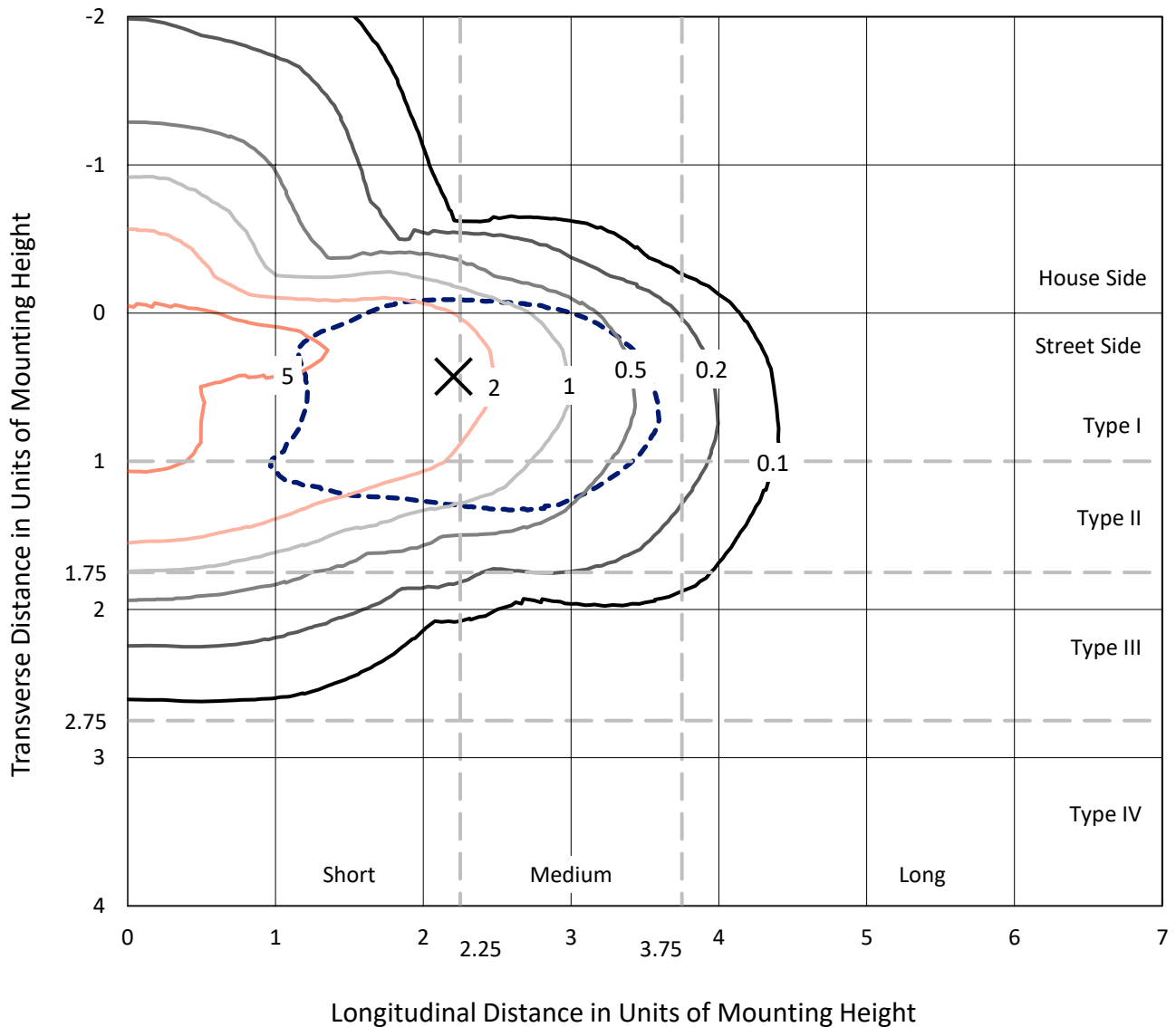
Lumens per Lamp: N/A  
Luminaire Lumens: 26200.2 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 281  
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

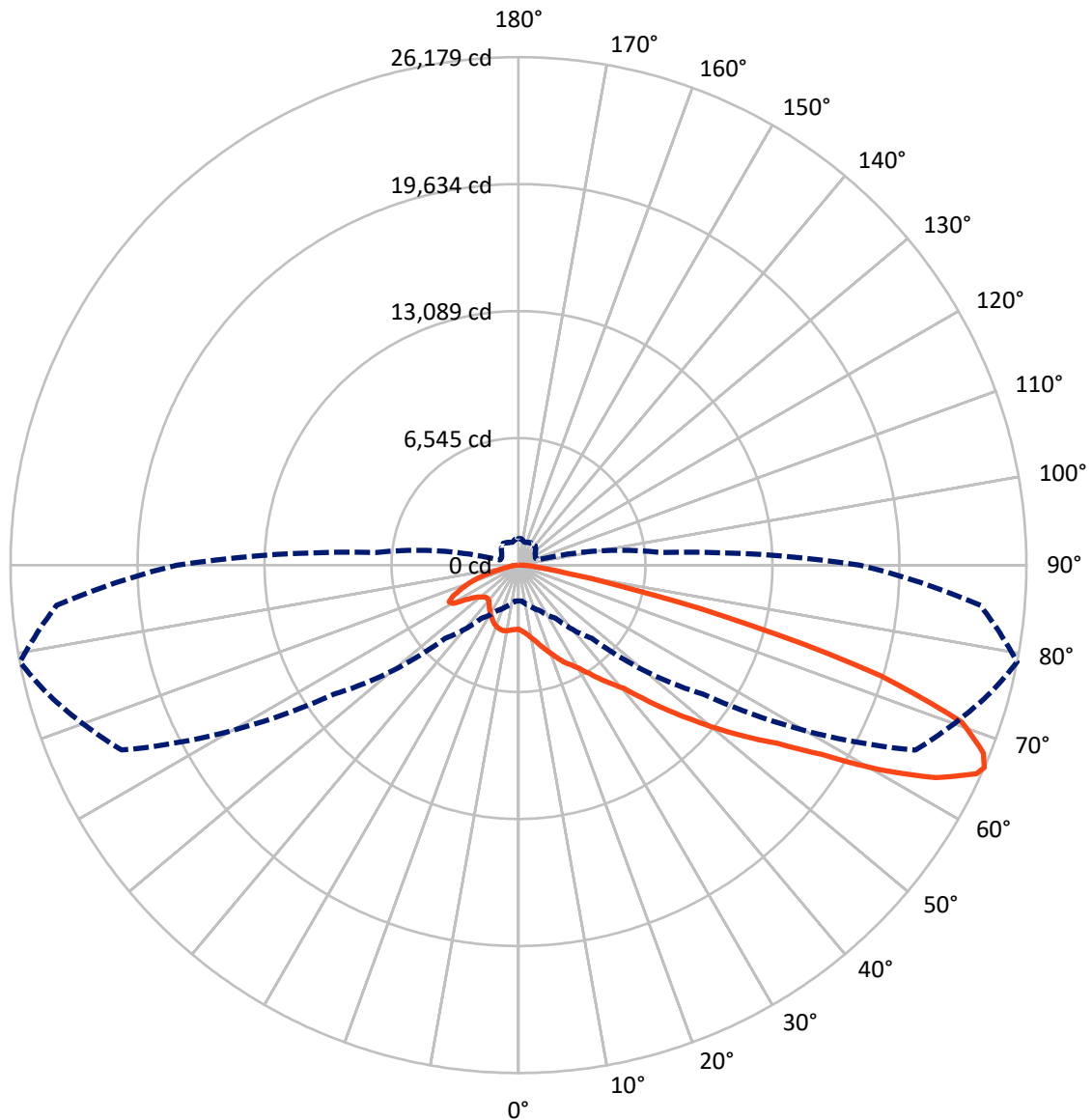
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5290.8	0.0	5290.8
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	20909.4	0.0	20909.4
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	26200.2	0.0	26200.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	325.3	1.2
10°-20°	1004.5	3.8
20°-30°	1724.3	6.6
30°-40°	2663.7	10.2
40°-50°	4266.6	16.3
50°-60°	6370.4	24.3
60°-70°	6545.6	25.0
70°-80°	2901.6	11.1
80°-90°	398.1	1.5
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°	26200.2	100.0
0°-180°	26200.2	100.0

**Coefficient of Utilization**



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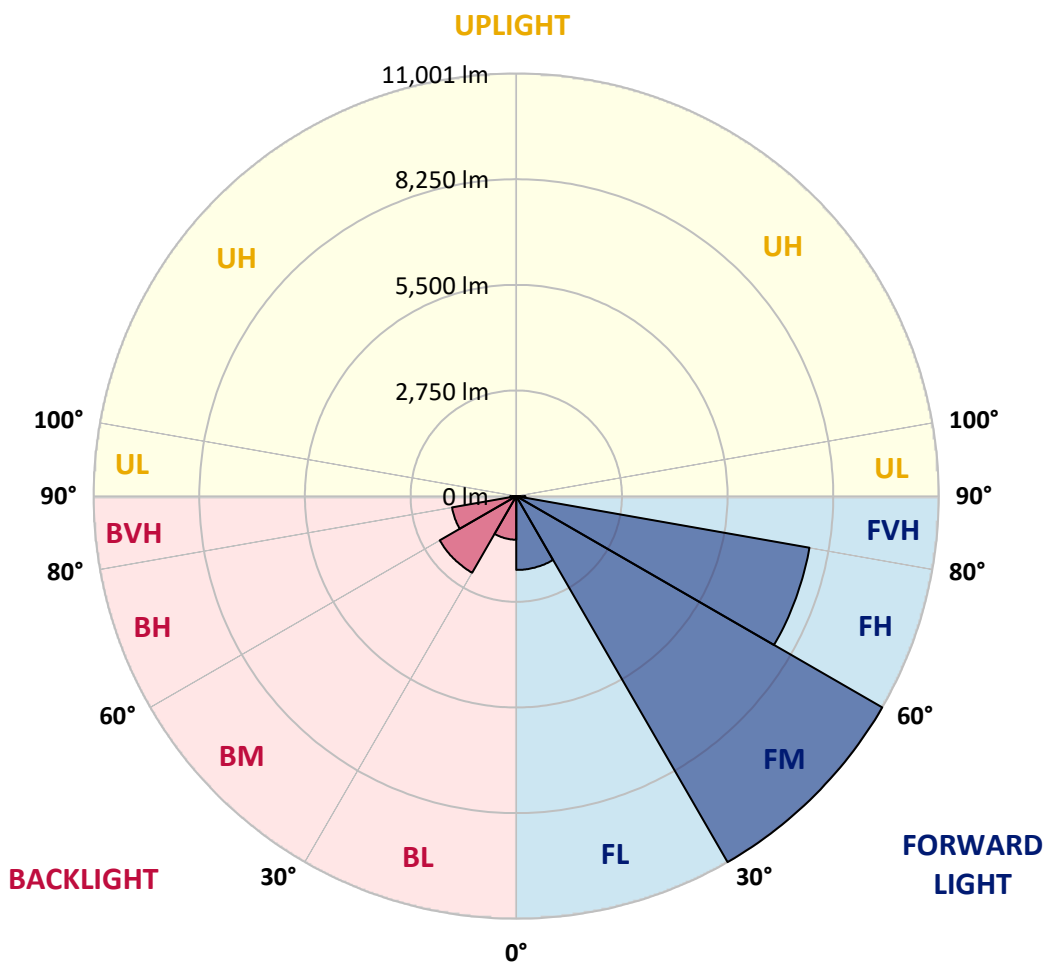
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1920.6	7.3			
FM (30°-60°)	11000.6	42.0			
FH (60°-80°)	7749.4	29.6			G4/12000
FVH (80°-90°)	238.8	0.9			G3/500
BL (0°-30°)	1133.5	4.3	B3/2500		
BM (30°-60°)	2300.2	8.8	B2/2500		
BH (60°-80°)	1697.7	6.5	B3/2500		G3/2500
BVH (80°-90°)	159.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3518.7	3521.6	3521.6	3510.1	3513.0	3521.6	3489.9	3420.8	3420.8	3409.2	3389.1
5°	3734.9	3720.5	3700.3	3703.2	3691.6	3691.6	3657.1	3590.8	3533.1	3510.1	3449.6
7.5°	3763.7	3778.1	3775.2	3809.8	3827.1	3827.1	3844.4	3789.6	3703.2	3648.4	3587.9
10°	3821.3	3783.9	3781.0	3861.7	3887.6	3948.1	4017.3	3988.5	3916.4	3838.6	3757.9
12.5°	3855.9	3879.0	3879.0	3919.3	3979.8	4069.2	4190.2	4245.0	4132.6	4051.9	3928.0
15°	3907.8	3876.1	3968.3	4002.9	4118.2	4181.6	4354.5	4495.7	4420.8	4322.8	4126.8
17.5°	3930.8	3910.7	3962.5	4025.9	4221.9	4317.0	4527.4	4723.3	4659.9	4596.5	4394.8
20°	4049.0	4046.1	4069.2	4121.0	4262.2	4449.6	4711.8	4982.7	5005.8	4890.5	4616.7
22.5°	4337.2	4299.7	4299.7	4279.5	4340.1	4533.1	4887.6	5262.2	5366.0	5230.5	4867.4
25°	4602.3	4654.2	4622.5	4530.3	4507.2	4608.1	5014.4	5559.1	5697.4	5570.6	5207.5
27.5°	4942.4	4959.7	5014.4	4890.5	4732.0	4763.7	5152.7	5726.2	6011.5	5841.5	5400.6
30°	5432.3	5400.6	5389.1	5250.7	5043.2	5000.0	5311.2	5971.2	6423.6	6184.4	5628.2
32.5°	5763.7	5841.5	5838.6	5648.4	5397.7	5302.6	5507.2	6201.7	6864.6	6642.7	6049.0
35°	6420.8	6501.4	6438.0	6158.5	5864.6	5674.4	5789.6	6501.4	7368.9	7196.0	6406.3
37.5°	7259.4	7449.6	7314.1	6798.3	6383.3	6175.8	6181.6	6827.1	7884.7	7743.5	6789.6
40°	7838.6	8095.1	7907.8	7423.6	6982.7	6786.7	6708.9	7213.3	8501.4	8351.6	7389.1
42.5°	8556.2	8769.5	8671.5	8193.1	7677.2	7510.1	7354.5	7858.8	9443.8	9374.6	8158.5
45°	9340.1	9440.9	9409.2	9106.6	8533.1	8475.5	8132.6	8708.9	10553.3	10582.1	9121.0
47.5°	10069.2	10123.9	10184.4	9965.4	9608.1	9657.1	9028.8	9619.6	11631.1	11821.3	10193.1
50°	10256.5	10443.8	10585.0	10732.0	10809.8	11141.2	10017.3	10737.8	12870.3	13239.2	11386.2
52.5°	10066.3	10051.9	10481.3	10942.4	11720.5	12415.0	11363.1	12126.8	13965.4	14694.5	12478.4
55°	9201.7	9172.9	9864.6	10475.5	11994.2	13123.9	13285.3	13976.9	15288.2	16236.3	13956.8
57.5°	7688.8	7510.1	8265.1	9268.0	11400.6	13201.7	15216.1	16723.3	17322.8	18403.5	16213.3
60°	5167.1	5092.2	5815.6	7011.5	9256.5	12098.0	16371.8	20161.4	20190.2	21406.3	19714.7
62.5°	3181.6	3196.0	3659.9	4556.2	6481.3	9590.8	15873.2	22907.8	22913.6	24132.6	22596.5
65°	2080.7	2089.3	2464.0	2959.7	4049.0	6504.3	13126.8	23123.9	24806.9	25939.5	23916.4
66°	1853.0	1855.9	2178.7	2582.1	3354.5	5322.8	11593.7	22562.0	25233.4	26178.7	23899.1
67.5°	1562.0	1599.4	1858.8	2170.0	2616.7	3824.2	9198.9	20936.6	25014.4	25844.4	23357.4
70°	1221.9	1242.1	1446.7	1763.7	1962.5	2213.3	5466.9	17066.3	22896.3	24242.1	21386.2
72.5°	979.8	997.1	1152.7	1432.3	1593.7	1458.2	2976.9	12383.3	18086.5	19521.6	16821.3
75°	827.1	830.0	904.9	1126.8	1311.2	1095.1	1585.0	7948.1	11605.2	12273.8	10305.5
77.5°	668.6	680.1	732.0	858.8	1054.8	861.7	945.2	4452.5	5827.1	5876.1	4763.7
80°	544.7	550.4	582.1	625.4	804.0	636.9	639.8	2172.9	2498.6	2440.9	1936.6
82.5°	429.4	435.2	472.6	464.0	590.8	455.3	397.7	1046.1	1149.9	1126.8	890.5
85°	242.1	242.1	371.8	371.8	374.6	288.2	242.1	492.8	608.1	567.7	417.9
87.5°	77.8	80.7	112.4	118.2	187.3	129.7	118.2	184.4	288.2	253.6	149.9
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°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3377.5	3331.4	3311.2	3245.0	3227.7	3184.4	3164.3	3138.3	3129.7	3092.2	3126.8
5°	3403.5	3389.1	3308.4	3224.8	3161.4	3132.6	3089.3	3031.7	3025.9	2974.1	2968.3
7.5°	3513.0	3464.0	3322.8	3233.4	3106.6	3034.6	2939.5	2910.7	2873.2	2855.9	2893.4
10°	3683.0	3559.1	3348.7	3123.9	2968.3	2881.8	2812.7	2792.5	2795.4	2783.9	2766.6
12.5°	3804.0	3685.9	3305.5	3031.7	2830.0	2746.4	2740.6	2760.8	2792.5	2778.1	2798.3
15°	3976.9	3755.0	3273.8	2879.0	2717.6	2694.5	2691.6	2752.2	2749.3	2749.3	2746.4
17.5°	4138.3	3824.2	3158.5	2746.4	2599.4	2616.7	2636.9	2634.0	2662.8	2674.4	2694.5
20°	4342.9	3904.9	2997.1	2613.8	2510.1	2504.3	2501.4	2504.3	2533.1	2550.4	2536.0
22.5°	4521.6	3922.2	2861.7	2487.0	2403.5	2380.4	2342.9	2380.4	2366.0	2371.8	2389.0
25°	4677.2	3925.1	2668.6	2391.9	2296.8	2245.0	2216.1	2213.3	2187.3	2184.4	2184.4
27.5°	4806.9	3827.1	2498.6	2259.4	2170.0	2121.0	2118.2	2086.5	2020.2	1976.9	1982.7
30°	4907.8	3752.2	2380.4	2144.1	2057.6	2049.0	2023.1	1951.0	1864.6	1809.8	1809.8
32.5°	5086.5	3602.3	2219.0	2025.9	1982.7	1971.2	1910.7	1847.3	1766.6	1714.7	1706.1
35°	5219.0	3464.0	2112.4	1925.1	1904.9	1881.8	1830.0	1760.8	1737.8	1726.2	1734.9
37.5°	5368.9	3308.4	1982.7	1838.6	1858.8	1815.6	1755.0	1723.3	1804.0	1783.9	1792.5
40°	5608.1	3198.8	1855.9	1786.7	1806.9	1757.9	1680.1	1668.6	1769.5	1697.4	1680.1
42.5°	6046.1	3196.0	1778.1	1708.9	1723.3	1685.9	1616.7	1611.0	1651.3	1564.8	1538.9
45°	6590.8	3296.8	1720.5	1651.3	1639.8	1634.0	1611.0	1585.0	1550.4	1438.0	1409.2
47.5°	7242.1	3461.1	1708.9	1564.8	1579.3	1628.2	1599.4	1533.1	1443.8	1371.8	1357.3
50°	8031.7	3801.2	1680.1	1501.4	1527.4	1605.2	1582.1	1489.9	1409.2	1363.1	1354.5
52.5°	8904.9	4230.5	1642.7	1403.5	1461.1	1585.0	1596.5	1510.1	1391.9	1351.6	1345.8
55°	9933.7	4864.6	1599.4	1296.8	1383.3	1564.8	1596.5	1452.5	1368.9	1368.9	1363.1
57.5°	11965.4	6005.8	1510.1	1198.8	1314.1	1527.4	1550.4	1455.3	1371.8	1371.8	1360.2
60°	14945.2	7786.7	1340.1	1123.9	1247.8	1475.5	1515.9	1412.1	1340.1	1357.3	1354.5
62.5°	17276.7	8328.5	1196.0	1051.9	1181.6	1380.4	1469.7	1366.0	1302.6	1366.0	1371.8
65°	17775.2	7781.0	1049.0	974.1	1089.3	1288.2	1403.5	1299.7	1247.8	1371.8	1377.5
66°	17596.5	7354.5	997.1	951.0	1049.0	1242.1	1363.1	1276.7	1219.0	1366.0	1368.9
67.5°	16801.2	6714.7	939.5	902.0	994.2	1175.8	1317.0	1245.0	1172.9	1348.7	1322.8
70°	15072.1	5694.5	841.5	815.6	916.4	1066.3	1210.4	1164.3	1100.9	1242.1	1196.0
72.5°	11608.1	4550.4	737.8	740.6	827.1	953.9	1103.7	1072.0	1017.3	1089.3	1060.5
75°	7069.2	2907.8	642.7	648.4	720.5	847.3	1002.9	979.8	913.5	953.9	939.5
77.5°	3132.6	1440.9	541.8	553.3	611.0	746.4	873.2	835.7	766.6	775.2	769.5
80°	1216.1	683.0	440.9	455.3	492.8	596.5	723.3	688.8	628.2	616.7	611.0
82.5°	585.0	380.4	340.1	345.8	360.2	475.5	622.5	579.3	498.6	446.7	446.7
85°	293.9	236.3	239.2	219.0	239.2	322.8	420.7	351.6	291.1	259.4	265.1
87.5°	118.2	118.2	118.2	100.9	106.6	152.7	196.0	132.6	121.0	72.0	72.0
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)