

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: P476856

Luminaire Tested: **IFLD-L-SA7B-722-U-T2R**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476856  
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-T2R  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

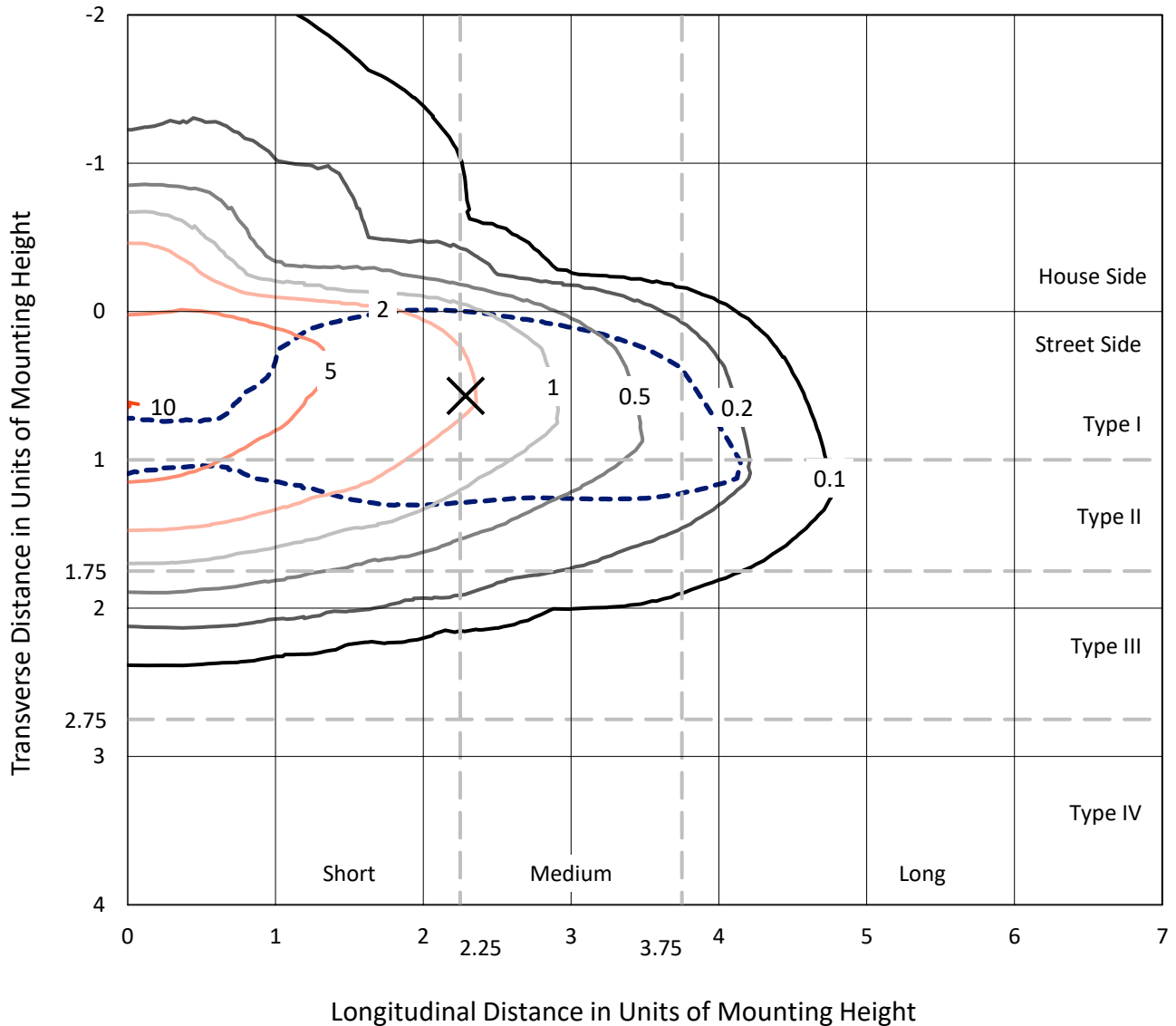
Lumens per Lamp: N/A  
Luminaire Lumens: 26379.3 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

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

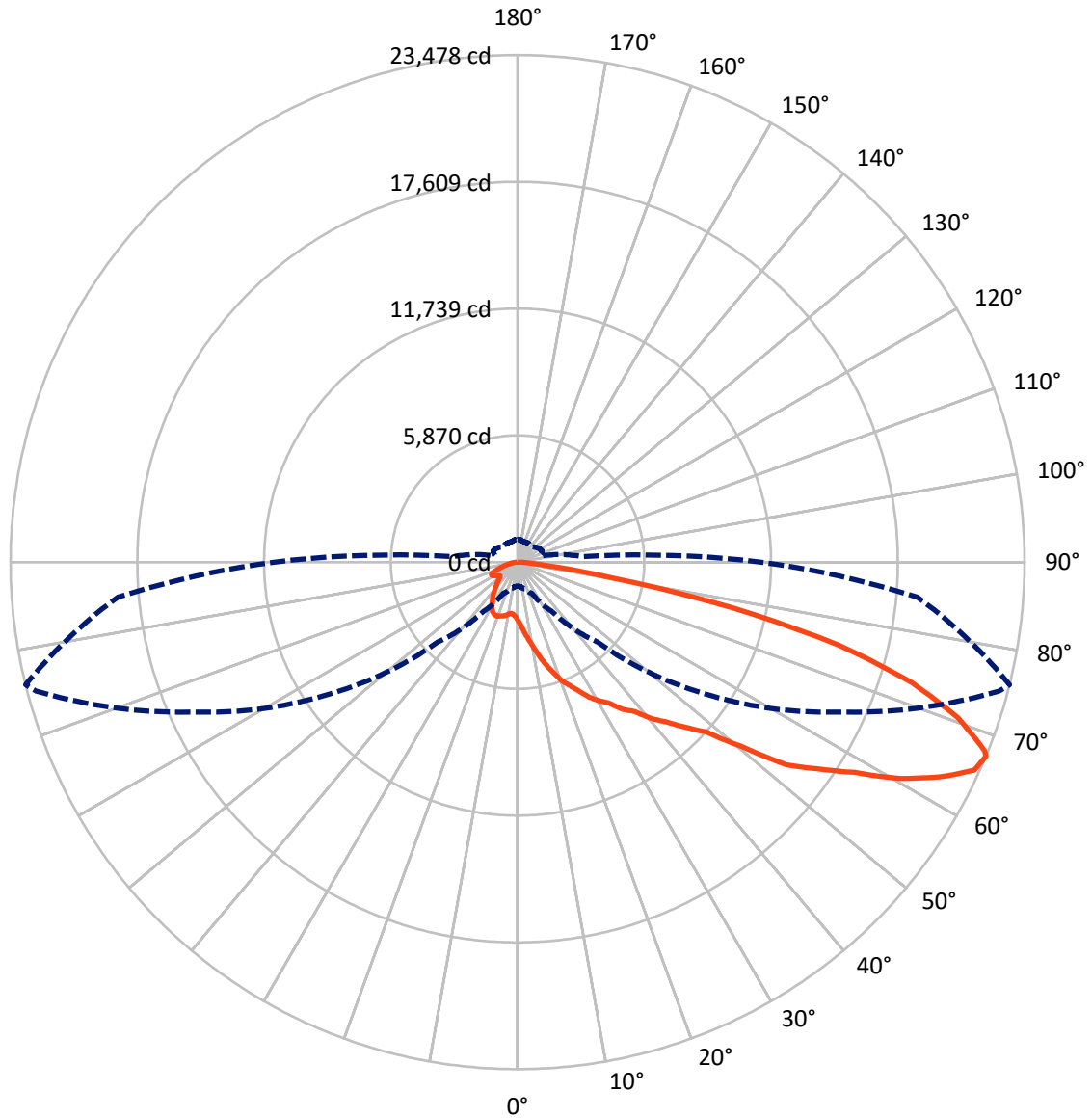
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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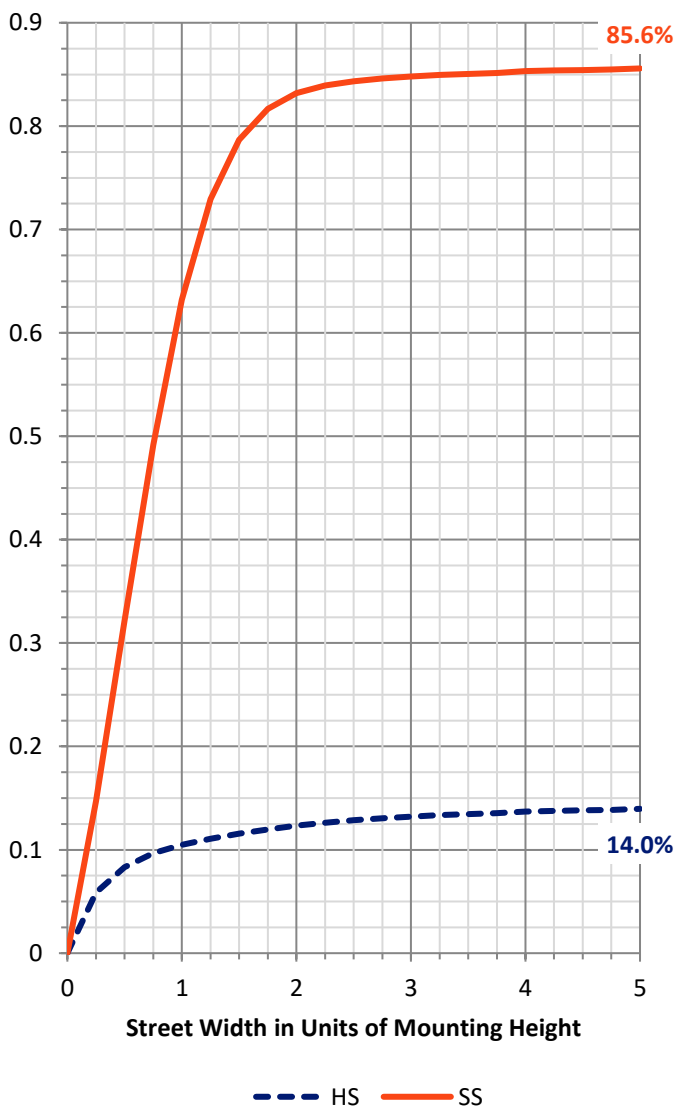
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3752.8	0.0	3752.8
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	22626.5	0.0	22626.5
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	26379.3	0.0	26379.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	312.7	1.2
10°-20°	1172.8	4.4
20°-30°	2180.4	8.3
30°-40°	3456.4	13.1
40°-50°	4780.5	18.1
50°-60°	5880.3	22.3
60°-70°	5471.9	20.7
70°-80°	2745.8	10.4
80°-90°	378.6	1.4
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°	26379.3	100.0
0°-180°	26379.3	100.0

**Coefficient of Utilization**



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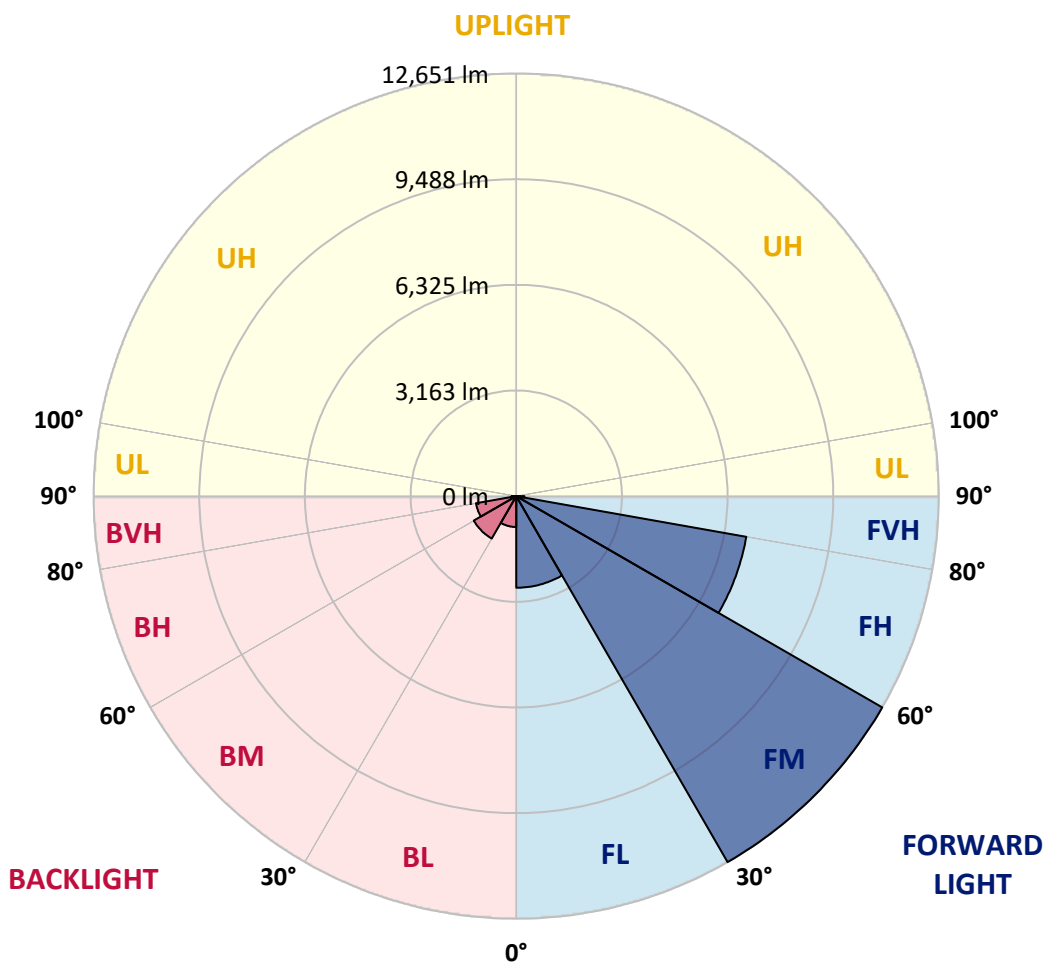
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2741.7	10.4			
FM (30°-60°)	12650.7	48.0			
FH (60°-80°)	6992.9	26.5			G3/7500
FVH (80°-90°)	241.2	0.9			G3/500
BL (0°-30°)	924.2	3.5	B2/1000		
BM (30°-60°)	1466.5	5.6	B2/2500		
BH (60°-80°)	1224.7	4.6	B3/2500		G3/2500
BVH (80°-90°)	137.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5
2.5°	3745.7	3700.6	3655.5	3559.3	3526.2	3436.0	3270.7	3087.3	2937.0	2916.0	2810.7
5°	4647.5	4581.4	4566.3	4512.2	4340.9	4166.5	3896.0	3601.4	3234.6	3261.7	2900.9
7.5°	5323.9	5284.8	5203.6	5152.5	5050.3	4818.8	4539.3	4148.5	3682.5	3592.3	3102.3
10°	5834.9	5780.8	5777.8	5732.7	5678.6	5441.1	5227.7	4701.6	4103.4	3980.1	3348.8
12.5°	6093.5	6084.4	6243.8	6243.8	6222.7	6123.5	5756.8	5275.8	4503.2	4461.1	3634.4
15°	6373.0	6297.9	6436.2	6541.4	6595.5	6646.6	6343.0	5834.9	5014.2	4933.1	3941.1
17.5°	6373.0	6367.0	6505.3	6679.7	6962.2	7028.4	6863.0	6349.0	5438.1	5378.0	4277.7
20°	6264.8	6352.0	6448.2	6682.7	6989.3	7256.8	7304.9	6875.0	5907.1	5859.0	4659.5
22.5°	6769.8	6685.7	6784.9	6875.0	7112.5	7518.4	7650.6	7338.0	6400.1	6216.7	5005.2
25°	7617.6	7560.5	7488.3	7356.0	7455.2	7632.6	7834.0	7680.7	6820.9	6616.5	5338.9
27.5°	8444.3	8447.3	8290.9	8002.4	7788.9	7825.0	8062.5	7981.3	7175.7	7085.5	5567.4
30°	9619.7	9547.5	9373.2	8982.4	8564.5	8221.8	8182.7	8260.9	7626.6	7452.2	5895.0
32.5°	10500.5	10515.5	10269.0	9706.8	9135.7	8856.1	8513.4	8546.5	7912.2	7782.9	6156.6
35°	11212.9	11194.9	11020.5	10554.6	9878.2	9541.5	9078.6	8889.2	8576.5	8372.1	6556.4
37.5°	11982.5	11835.2	11552.6	11026.5	10593.6	10127.7	9676.8	9249.9	9018.4	8771.9	6899.1
40°	12292.1	12292.1	11913.3	11672.9	11158.8	10807.1	10515.5	9724.9	9556.5	9508.4	7338.0
42.5°	12072.7	12207.9	12051.6	11778.1	11567.6	11122.7	11044.6	10217.9	10220.9	10124.7	7864.1
45°	12051.6	11865.2	11736.0	11805.1	11705.9	11681.9	11880.3	10900.3	10918.3	10906.3	8570.5
47.5°	11447.4	11363.2	11555.6	11669.8	11751.0	12123.8	12694.9	11714.9	11844.2	11754.0	9385.2
50°	10846.2	10831.1	10951.4	11366.2	11717.9	12331.2	13470.5	12971.5	13395.4	13389.4	10861.2
52.5°	9198.8	9358.1	9830.1	10707.9	11576.7	12613.8	14056.7	14576.8	15385.4	15604.9	12084.7
55°	7623.6	7539.4	8236.8	9511.4	10960.4	12725.0	14712.1	15541.8	16732.2	16891.5	13341.3
57.5°	5931.1	6087.4	6637.6	7861.1	9685.8	12174.9	15193.0	16494.7	18253.3	18376.6	14799.2
60°	4425.0	4446.1	5050.3	6036.3	7990.3	10933.3	15349.4	17471.7	19996.9	20348.6	16326.4
62.5°	2783.7	2909.9	3369.9	4340.9	6015.3	9195.8	14648.9	18063.9	21824.6	21917.8	17865.5
65°	1500.1	1581.2	1926.9	2537.2	4202.6	6956.2	12791.1	17709.2	22684.4	23237.5	18550.9
67°	1109.3	1124.3	1283.6	1620.3	2810.7	5236.7	10665.8	16425.6	23075.2	23478.0	18578.0
67.5°	1040.1	1061.2	1187.4	1455.0	2492.1	4821.9	10109.7	15968.6	22900.8	23333.7	18367.5
70°	889.8	895.8	925.9	1001.0	1397.9	2900.9	6884.1	13085.7	21226.4	21641.2	16891.5
72.5°	790.6	796.6	808.7	823.7	946.9	1677.4	4187.6	10070.6	18448.7	19110.1	14573.8
75°	694.4	715.5	721.5	709.4	805.6	1091.2	2227.6	7401.1	15048.8	15370.4	11333.2
77.5°	589.2	598.2	610.2	622.3	718.5	814.7	1070.2	4996.2	10329.1	10133.7	6129.5
80°	496.0	499.0	508.0	517.1	622.3	622.3	607.2	2699.5	4512.2	4313.8	2071.2
82.5°	354.7	375.8	396.8	420.9	517.1	417.9	396.8	1202.5	1427.9	1358.8	700.4
85°	138.3	168.3	261.5	288.6	327.7	225.5	264.5	520.1	595.2	589.2	261.5
87.5°	24.0	27.1	72.1	111.2	120.2	78.2	126.3	186.4	222.5	240.5	96.2
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°	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5	2699.5
2.5°	2723.6	2630.4	2519.1	2407.9	2335.8	2221.5	2212.5	2143.4	2134.4	2110.3	2122.3
5°	2744.6	2633.4	2407.9	2230.6	2149.4	2083.3	2098.3	2068.2	2059.2	2044.2	2020.1
7.5°	2909.9	2690.5	2353.8	2200.5	2140.4	2110.3	2110.3	2074.2	2047.2	2065.2	2083.3
10°	3018.2	2717.6	2395.9	2242.6	2194.5	2128.3	2152.4	2107.3	2122.3	2086.3	2086.3
12.5°	3192.5	2870.9	2483.1	2305.7	2227.6	2167.4	2191.5	2140.4	2128.3	2131.4	2122.3
15°	3427.0	2973.1	2522.2	2341.8	2287.7	2212.5	2194.5	2149.4	2104.3	2089.3	2107.3
17.5°	3646.5	3099.3	2549.2	2362.8	2275.7	2191.5	2170.4	2113.3	2098.3	2053.2	2017.1
20°	3908.0	3249.6	2585.3	2380.9	2230.6	2146.4	2092.3	2035.2	1984.1	1957.0	1969.0
22.5°	4082.3	3327.8	2603.3	2344.8	2164.4	2086.3	1972.0	1933.0	1860.8	1830.7	1806.7
25°	4367.9	3424.0	2558.2	2245.6	2047.2	1920.9	1818.7	1764.6	1713.5	1674.4	1662.4
27.5°	4440.1	3496.1	2453.0	2077.2	1860.8	1728.5	1641.4	1575.2	1542.2	1482.0	1470.0
30°	4650.5	3424.0	2296.7	1872.8	1683.4	1548.2	1461.0	1412.9	1334.7	1319.7	1286.6
32.5°	4785.8	3445.0	2098.3	1674.4	1479.0	1358.8	1301.7	1253.6	1232.5	1160.4	1142.3
35°	5011.2	3372.9	1896.9	1491.0	1310.7	1217.5	1169.4	1154.4	1085.2	1052.2	1022.1
37.5°	5155.5	3330.8	1695.5	1283.6	1127.3	1088.2	1103.3	1040.1	956.0	892.8	871.8
40°	5408.1	3315.8	1467.0	1112.3	1001.0	992.0	1040.1	919.9	766.6	712.5	682.4
42.5°	5771.8	3213.6	1289.6	959.0	901.8	940.9	949.9	766.6	679.4	634.3	613.3
45°	6120.5	3234.6	1115.3	793.6	784.6	841.7	820.7	649.3	598.2	565.2	583.2
47.5°	6790.9	3339.8	943.9	661.4	706.4	760.6	637.3	580.2	532.1	508.0	511.0
50°	7828.0	3442.0	793.6	604.2	667.4	688.4	547.1	526.1	523.1	475.0	472.0
52.5°	8450.3	3403.0	766.6	676.4	715.5	688.4	595.2	580.2	556.1	535.1	511.0
55°	9439.3	3517.2	823.7	790.6	811.7	661.4	667.4	661.4	643.3	589.2	604.2
57.5°	10226.9	3592.3	898.8	883.8	871.8	688.4	697.4	700.4	688.4	664.4	685.4
60°	11309.1	3742.6	977.0	980.0	983.0	748.5	763.6	781.6	778.6	769.6	775.6
62.5°	11973.5	3673.5	1064.2	1112.3	1097.2	871.8	868.8	880.8	880.8	895.8	904.8
65°	11874.3	3418.0	1109.3	1229.5	1151.4	962.0	962.0	968.0	971.0	1001.0	1004.1
67°	11279.0	2961.1	1085.2	1247.5	1151.4	998.0	998.0	1004.1	983.0	1061.2	1037.1
67.5°	11002.5	2825.8	1064.2	1232.5	1142.3	995.0	995.0	998.0	980.0	1055.2	1031.1
70°	9568.6	2098.3	916.9	1091.2	1058.2	968.0	968.0	949.9	934.9	1034.1	1013.1
72.5°	8167.7	1524.1	736.5	928.9	956.0	931.9	937.9	892.8	850.7	919.9	901.8
75°	6255.8	1121.3	574.2	715.5	808.7	871.8	910.9	796.6	742.5	760.6	727.5
77.5°	3490.1	730.5	453.9	529.1	616.3	811.7	874.8	718.5	607.2	586.2	586.2
80°	1184.4	426.9	333.7	393.8	423.9	718.5	817.7	583.2	478.0	456.9	441.9
82.5°	447.9	261.5	228.5	270.6	270.6	568.2	667.4	447.9	360.7	466.0	475.0
85°	204.4	156.3	150.3	156.3	156.3	348.7	472.0	291.6	324.7	279.6	246.5
87.5°	81.2	75.2	69.1	66.1	54.1	60.1	162.3	78.2	147.3	39.1	36.1
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)