

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: P476457

Luminaire Tested: **IFLD-S-SA6C-722-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476457
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-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

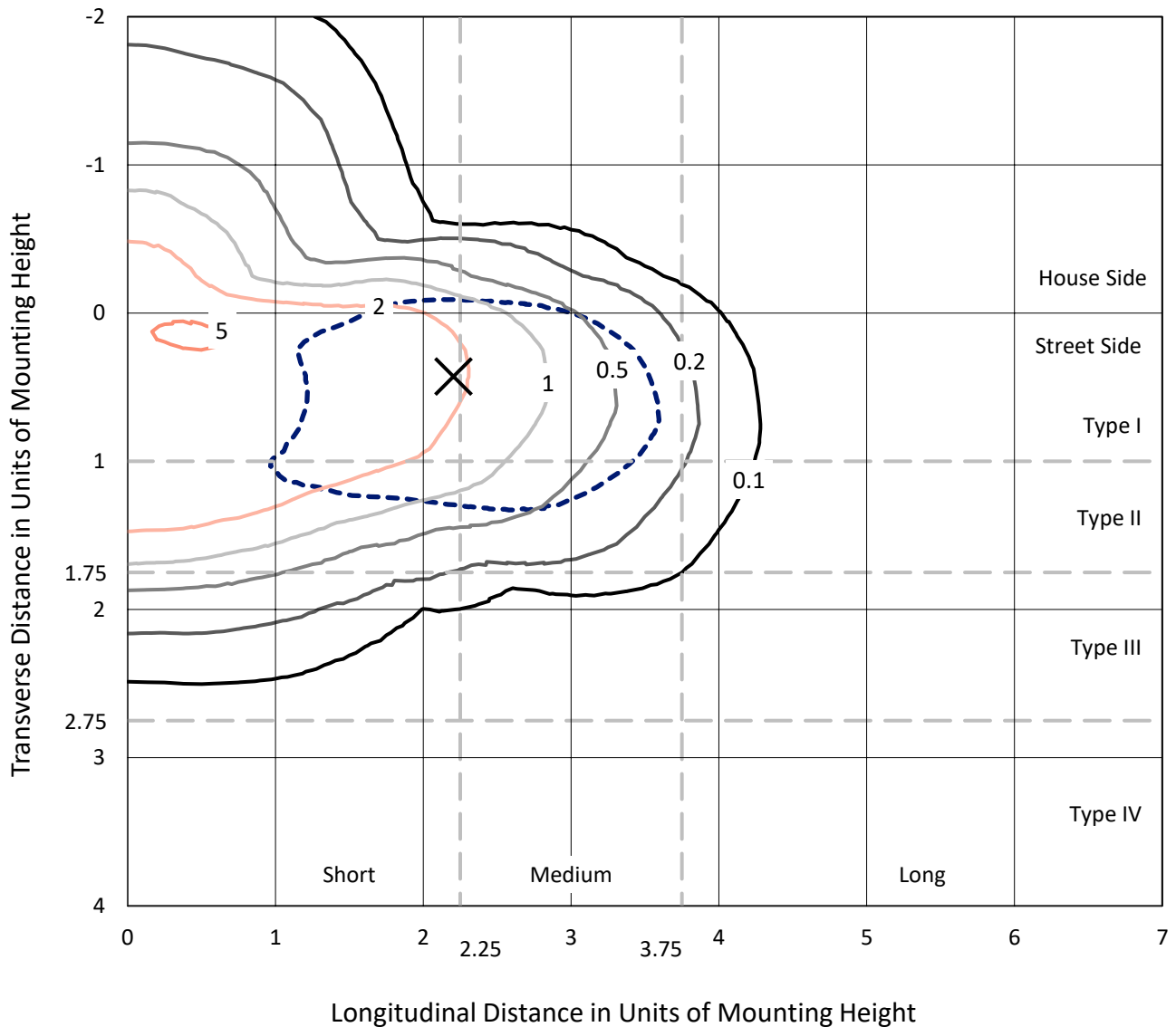
Lumens per Lamp: N/A
Luminaire Lumens: 30570.2 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 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

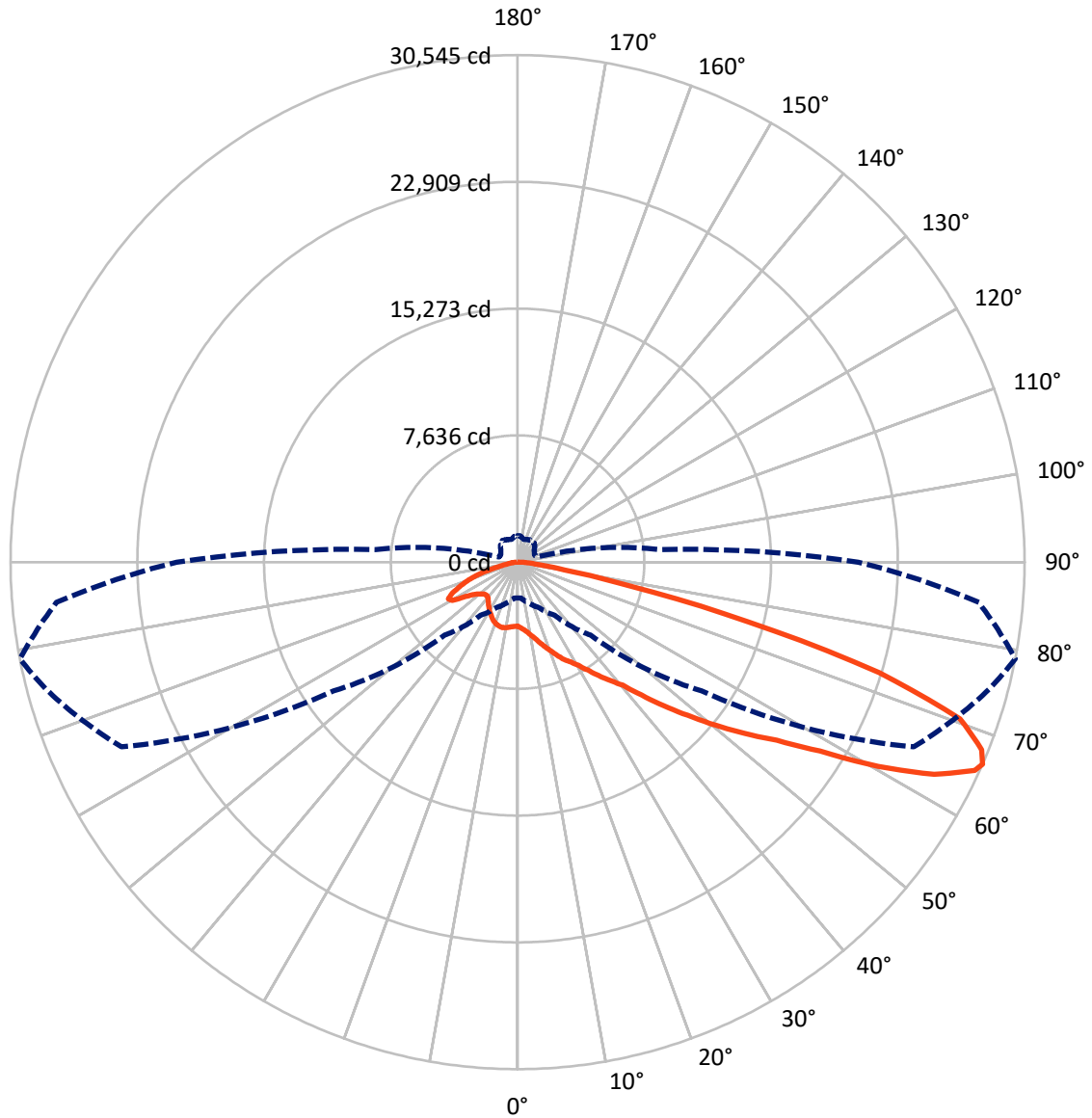
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.4 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
House Side	Lumens	6173.2	0.0	6173.2
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	24396.9	0.0	24396.9
	% Fixture	79.8	0.0	79.8
Total	Lumens	30570.2	0.0	30570.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.6	1.2
10°-20°	1172.1	3.8
20°-30°	2011.9	6.6
30°-40°	3108.0	10.2
40°-50°	4978.3	16.3
50°-60°	7432.9	24.3
60°-70°	7637.3	25.0
70°-80°	3385.5	11.1
80°-90°	464.5	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°	30570.2	100.0
0°-180°	30570.2	100.0

Coefficient of Utilization



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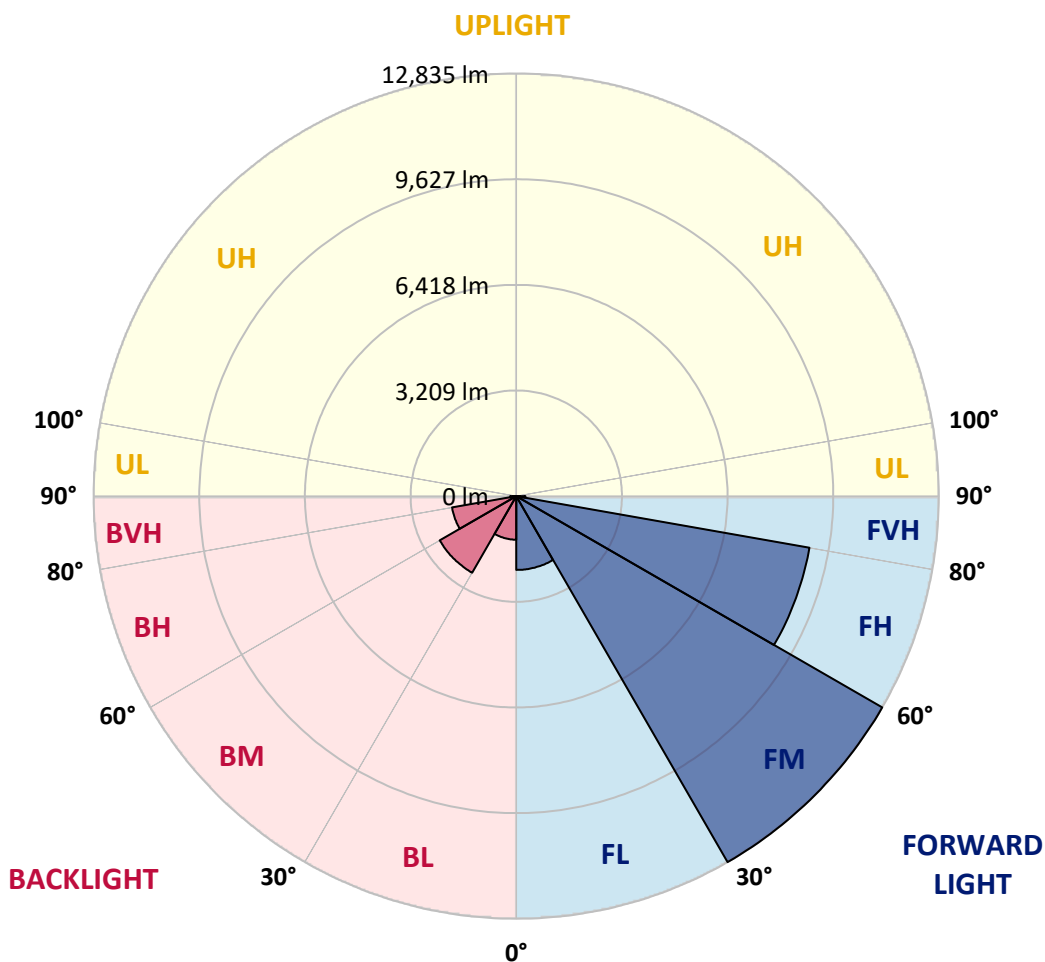
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2241.0	7.3			
FM (30°-60°)	12835.4	42.0			
FH (60°-80°)	9042.0	29.6			G4/12000
FVH (80°-90°)	278.6	0.9			G3/500
BL (0°-30°)	1322.6	4.3	B3/2500		
BM (30°-60°)	2683.8	8.8	B3/5000		
BH (60°-80°)	1980.9	6.5	B3/2500		G3/2500
BVH (80°-90°)	185.9	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°	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2
2.5°	4105.6	4109.0	4109.0	4095.5	4098.9	4109.0	4072.0	3991.3	3991.3	3977.8	3954.3
5°	4357.8	4341.0	4317.5	4320.8	4307.4	4307.4	4267.0	4189.7	4122.4	4095.5	4024.9
7.5°	4391.4	4408.2	4404.9	4445.2	4465.4	4465.4	4485.6	4421.7	4320.8	4256.9	4186.3
10°	4458.7	4415.0	4411.6	4505.8	4536.0	4606.6	4687.3	4653.7	4569.6	4478.9	4384.7
12.5°	4499.0	4525.9	4525.9	4573.0	4643.6	4747.9	4889.1	4953.0	4821.8	4727.7	4583.1
15°	4559.6	4522.6	4630.2	4670.5	4805.0	4879.0	5080.8	5245.5	5158.1	5043.8	4815.1
17.5°	4586.5	4562.9	4623.4	4697.4	4926.1	5037.0	5282.5	5511.2	5437.2	5363.2	5127.8
20°	4724.3	4721.0	4747.9	4808.4	4973.1	5191.7	5497.7	5813.8	5840.7	5706.2	5386.7
22.5°	5060.6	5016.9	5016.9	4993.3	5063.9	5289.2	5702.8	6139.9	6261.0	6103.0	5679.3
25°	5369.9	5430.5	5393.5	5285.9	5259.0	5376.7	5850.8	6486.3	6647.7	6499.7	6076.1
27.5°	5766.7	5786.9	5850.8	5706.2	5521.2	5558.2	6012.2	6681.3	7014.2	6815.8	6301.3
30°	6338.3	6301.3	6287.9	6126.5	5884.4	5834.0	6197.1	6967.1	7495.0	7215.9	6567.0
32.5°	6725.0	6815.8	6812.4	6590.5	6298.0	6187.0	6425.8	7236.1	8009.5	7750.6	7057.9
35°	7491.7	7585.8	7511.8	7185.7	6842.7	6620.8	6755.3	7585.8	8597.9	8396.2	7474.9
37.5°	8470.2	8692.1	8534.0	7932.2	7448.0	7205.9	7212.6	7965.8	9199.8	9035.1	7922.1
40°	9146.0	9445.3	9226.7	8661.8	8147.4	7918.7	7827.9	8416.4	9919.4	9744.5	8621.5
42.5°	9983.3	10232.1	10117.8	9559.6	8957.7	8762.7	8581.1	9169.6	11018.9	10938.2	9519.3
45°	10897.9	11015.6	10978.6	10625.5	9956.4	9889.1	9489.0	10161.5	12313.5	12347.1	10642.3
47.5°	11748.6	11812.5	11883.1	11627.6	11210.6	11267.8	10534.7	11224.1	13571.1	13793.0	11893.2
50°	11967.2	12185.7	12350.5	12522.0	12612.8	12999.5	11688.1	12528.7	15017.0	15447.4	13285.3
52.5°	11745.2	11728.4	12229.4	12767.4	13675.3	14485.7	13258.4	14149.4	16294.7	17145.4	14559.7
55°	10736.5	10702.9	11509.9	12222.7	13994.8	15312.9	15501.2	16308.2	17838.1	18944.4	16284.6
57.5°	8971.2	8762.7	9643.7	10813.8	13302.1	15403.7	17754.0	19512.6	20212.0	21473.0	18917.5
60°	6029.0	5941.6	6785.5	8181.0	10800.4	14115.8	19102.4	23524.1	23557.7	24976.7	23002.9
62.5°	3712.2	3729.0	4270.4	5316.1	7562.3	11190.4	18520.7	26728.6	26735.3	28157.6	26365.4
65°	2427.7	2437.8	2874.9	3453.3	4724.3	7589.2	15316.2	26980.8	28944.5	30265.9	27905.5
66°	2162.1	2165.5	2542.1	3012.8	3914.0	6210.6	13527.4	26325.1	29442.1	30545.0	27885.3
67.5°	1822.5	1866.2	2168.8	2532.0	3053.2	4462.0	10733.1	24428.6	29186.6	30155.0	27253.1
70°	1425.7	1449.2	1688.0	2057.9	2289.9	2582.4	6378.7	19912.8	26715.1	28285.4	24953.2
72.5°	1143.3	1163.4	1345.0	1671.2	1859.5	1701.4	3473.5	14448.7	21103.1	22777.6	19627.0
75°	965.0	968.4	1055.8	1314.7	1529.9	1277.8	1849.4	9273.8	13540.8	14320.9	12024.3
77.5°	780.1	793.6	854.1	1002.0	1230.7	1005.4	1102.9	5195.1	6799.0	6856.2	5558.2
80°	635.5	642.2	679.2	729.7	938.1	743.1	746.5	2535.3	2915.3	2848.0	2259.6
82.5°	501.0	507.7	551.5	541.4	689.3	531.3	464.0	1220.6	1341.6	1314.7	1039.0
85°	282.5	282.5	433.8	433.8	437.1	336.3	282.5	575.0	709.5	662.4	487.6
87.5°	90.8	94.2	131.1	137.9	218.6	151.3	137.9	215.2	336.3	295.9	174.9
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°	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2
2.5°	3940.9	3887.1	3863.5	3786.2	3766.0	3715.6	3692.0	3661.8	3651.7	3608.0	3648.3
5°	3971.1	3954.3	3860.2	3762.6	3688.7	3655.0	3604.6	3537.4	3530.6	3470.1	3463.4
7.5°	4098.9	4041.7	3877.0	3772.7	3624.8	3540.7	3429.8	3396.1	3352.4	3332.2	3376.0
10°	4297.3	4152.7	3907.2	3645.0	3463.4	3362.5	3281.8	3258.3	3261.6	3248.2	3228.0
12.5°	4438.5	4300.6	3856.8	3537.4	3302.0	3204.5	3197.7	3221.3	3258.3	3241.5	3265.0
15°	4640.3	4381.3	3819.8	3359.1	3170.8	3143.9	3140.6	3211.2	3207.8	3207.8	3204.5
17.5°	4828.6	4462.0	3685.3	3204.5	3033.0	3053.2	3076.7	3073.3	3107.0	3120.4	3143.9
20°	5067.3	4556.2	3497.0	3049.8	2928.7	2922.0	2918.7	2922.0	2955.6	2975.8	2959.0
22.5°	5275.8	4576.4	3339.0	2901.8	2804.3	2777.4	2733.7	2777.4	2760.6	2767.3	2787.5
25°	5457.4	4579.7	3113.7	2790.9	2679.9	2619.4	2585.8	2582.4	2552.1	2548.8	2548.8
27.5°	5608.7	4465.4	2915.3	2636.2	2532.0	2474.8	2471.4	2434.5	2357.1	2306.7	2313.4
30°	5726.4	4378.0	2777.4	2501.7	2400.8	2390.7	2360.5	2276.4	2175.5	2111.7	2111.7
32.5°	5934.8	4203.1	2589.1	2363.8	2313.4	2300.0	2229.3	2155.4	2061.2	2000.7	1990.6
35°	6089.5	4041.7	2464.7	2246.2	2222.6	2195.7	2135.2	2054.5	2027.6	2014.1	2024.2
37.5°	6264.4	3860.2	2313.4	2145.3	2168.8	2118.4	2047.8	2010.8	2104.9	2081.4	2091.5
40°	6543.4	3732.4	2165.5	2084.8	2108.3	2051.1	1960.3	1946.9	2064.6	1980.5	1960.3
42.5°	7054.5	3729.0	2074.7	1994.0	2010.8	1967.1	1886.4	1879.6	1926.7	1825.8	1795.6
45°	7690.1	3846.7	2007.4	1926.7	1913.3	1906.5	1879.6	1849.4	1809.0	1677.9	1644.3
47.5°	8450.0	4038.4	1994.0	1825.8	1842.7	1899.8	1866.2	1788.9	1684.6	1600.6	1583.7
50°	9371.3	4435.1	1960.3	1751.9	1782.1	1872.9	1846.0	1738.4	1644.3	1590.5	1580.4
52.5°	10390.2	4936.2	1916.6	1637.5	1704.8	1849.4	1862.8	1762.0	1624.1	1577.0	1570.3
55°	11590.6	5675.9	1866.2	1513.1	1614.0	1825.8	1862.8	1694.7	1597.2	1597.2	1590.5
57.5°	13961.1	7007.5	1762.0	1398.8	1533.3	1782.1	1809.0	1698.1	1600.6	1600.6	1587.1
60°	17438.0	9085.5	1563.6	1311.4	1456.0	1721.6	1768.7	1647.6	1563.6	1583.7	1580.4
62.5°	20158.2	9717.6	1395.4	1227.3	1378.6	1610.6	1714.9	1593.8	1519.9	1593.8	1600.6
65°	20740.0	9078.8	1224.0	1136.5	1271.0	1503.0	1637.5	1516.5	1456.0	1600.6	1607.3
66°	20531.5	8581.1	1163.4	1109.6	1224.0	1449.2	1590.5	1489.6	1422.3	1593.8	1597.2
67.5°	19603.4	7834.6	1096.2	1052.5	1160.1	1371.9	1536.7	1452.6	1368.5	1573.7	1543.4
70°	17585.9	6644.3	981.9	951.6	1069.3	1244.1	1412.3	1358.5	1284.5	1449.2	1395.4
72.5°	13544.2	5309.4	860.8	864.2	965.0	1113.0	1287.8	1250.9	1187.0	1271.0	1237.4
75°	8248.2	3392.8	749.8	756.6	840.6	988.6	1170.2	1143.3	1065.9	1113.0	1096.2
77.5°	3655.0	1681.3	632.2	645.6	712.9	870.9	1018.8	975.1	894.4	904.5	897.8
80°	1419.0	796.9	514.5	531.3	575.0	696.0	844.0	803.6	733.0	719.6	712.9
82.5°	682.6	443.9	396.8	403.5	420.3	554.8	726.3	675.9	581.7	521.2	521.2
85°	343.0	275.7	279.1	255.6	279.1	376.6	490.9	410.2	339.6	302.6	309.4
87.5°	137.9	137.9	137.9	117.7	124.4	178.2	228.7	154.7	141.2	84.1	84.1
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)