

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: P476862

Luminaire Tested: **IFLD-L-SA8C-722-U-T2R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476862
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-722-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

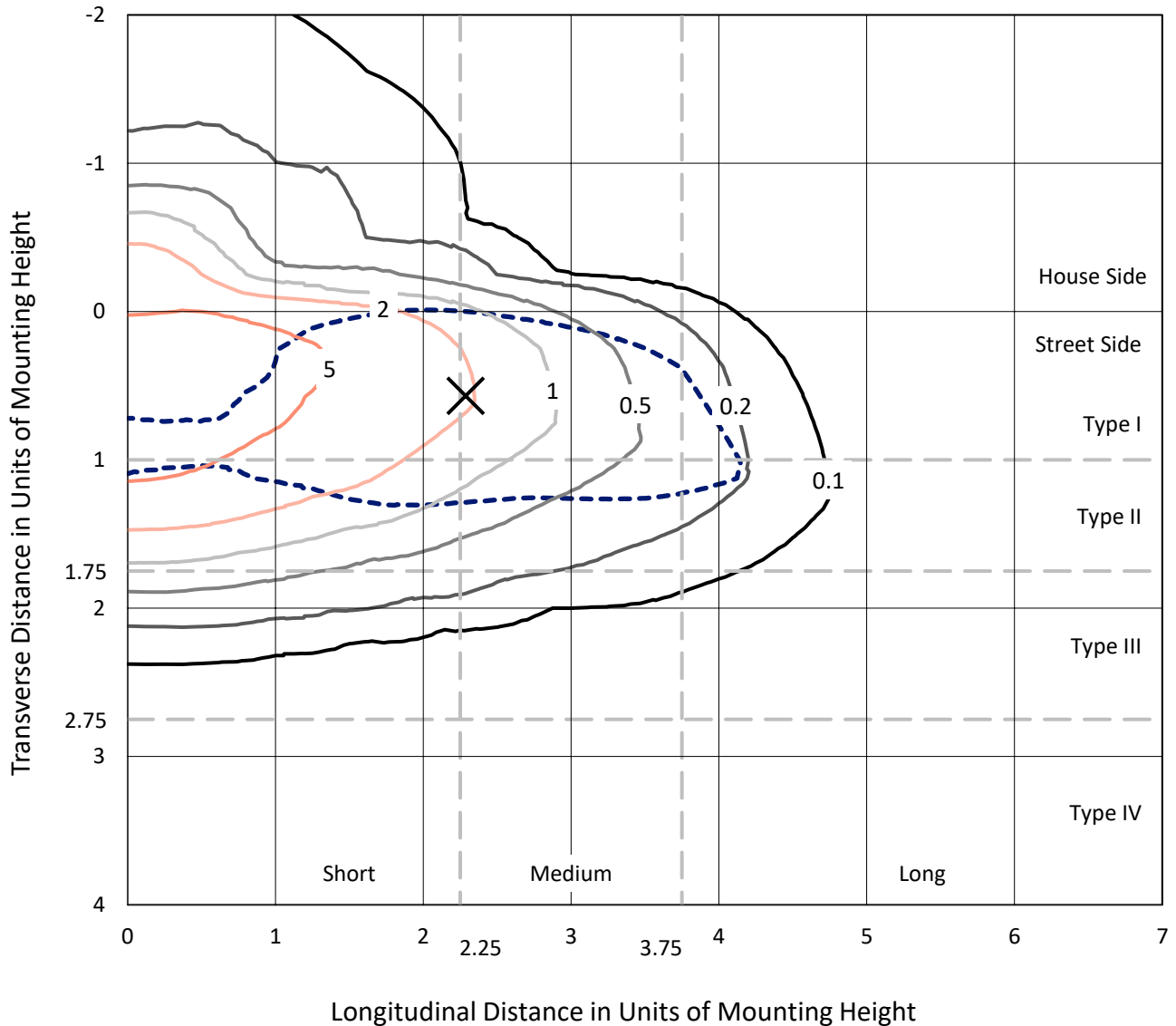
Lumens per Lamp: N/A
Luminaire Lumens: 37528.8 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 420.3
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

REPORT NUMBER: P476862
 CATALOG NUMBER: IFLD-L-SA8C-722-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

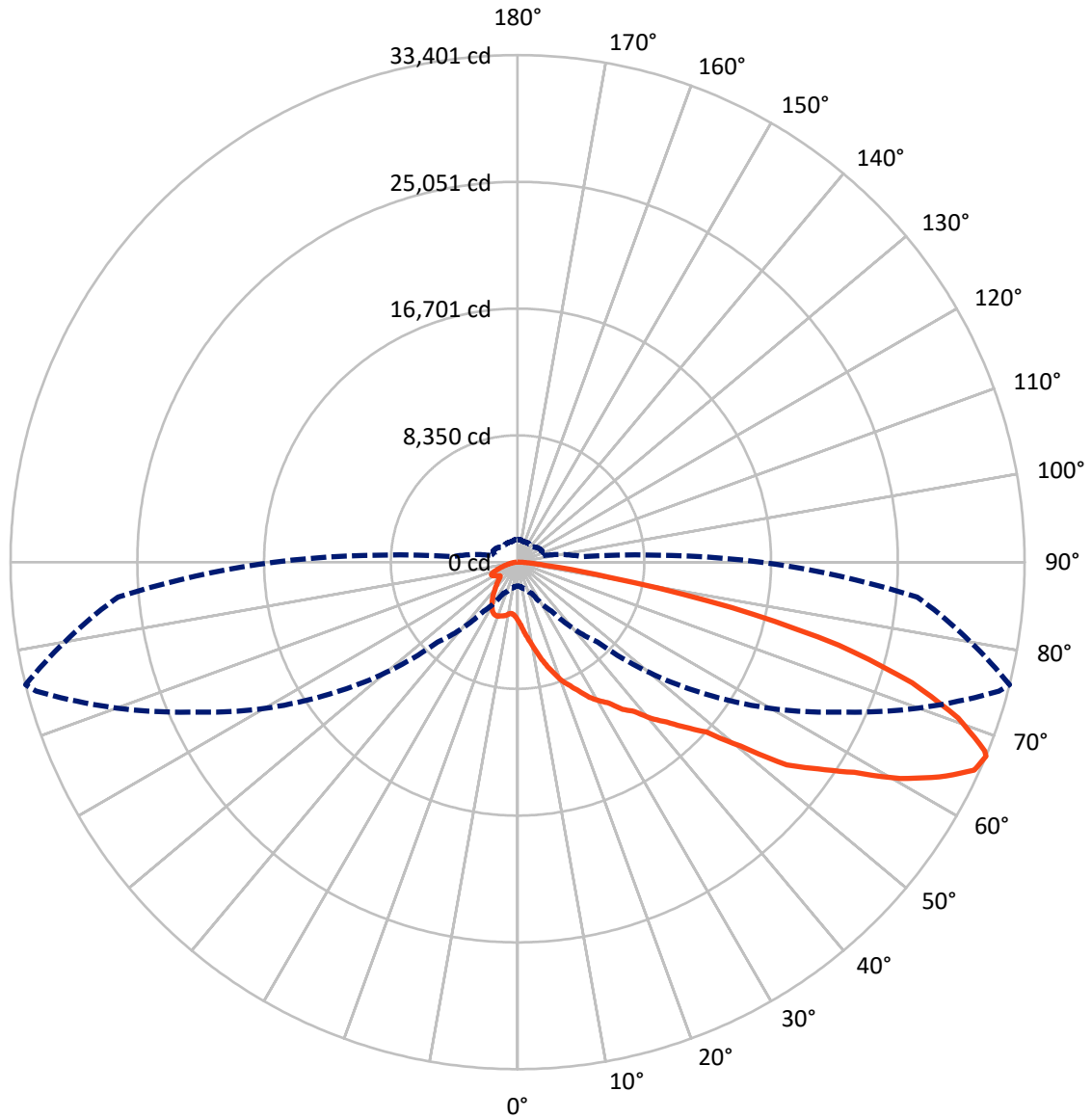
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10 fc
 Type II - Medium - N/A

REPORT NUMBER: P476862
CATALOG NUMBER: IFLD-L-SA8C-722-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P476862

CATALOG NUMBER: IFLD-L-SA8C-722-U-T2R

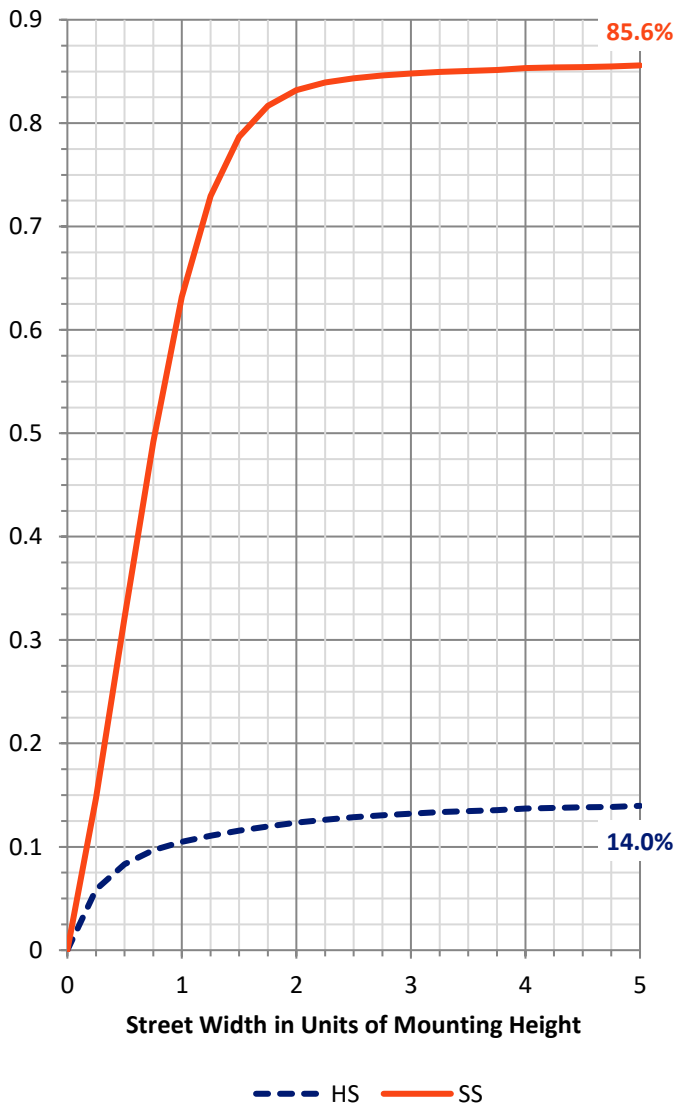
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5339.0	0.0	5339.0
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	32189.9	0.0	32189.9
	% Fixture	85.8	0.0	85.8
Total	Lumens	37528.8	0.0	37528.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.9	1.2
10°-20°	1668.5	4.4
20°-30°	3101.9	8.3
30°-40°	4917.3	13.1
40°-50°	6801.0	18.1
50°-60°	8365.7	22.3
60°-70°	7784.7	20.7
70°-80°	3906.3	10.4
80°-90°	538.6	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°	37528.8	100.0
0°-180°	37528.8	100.0



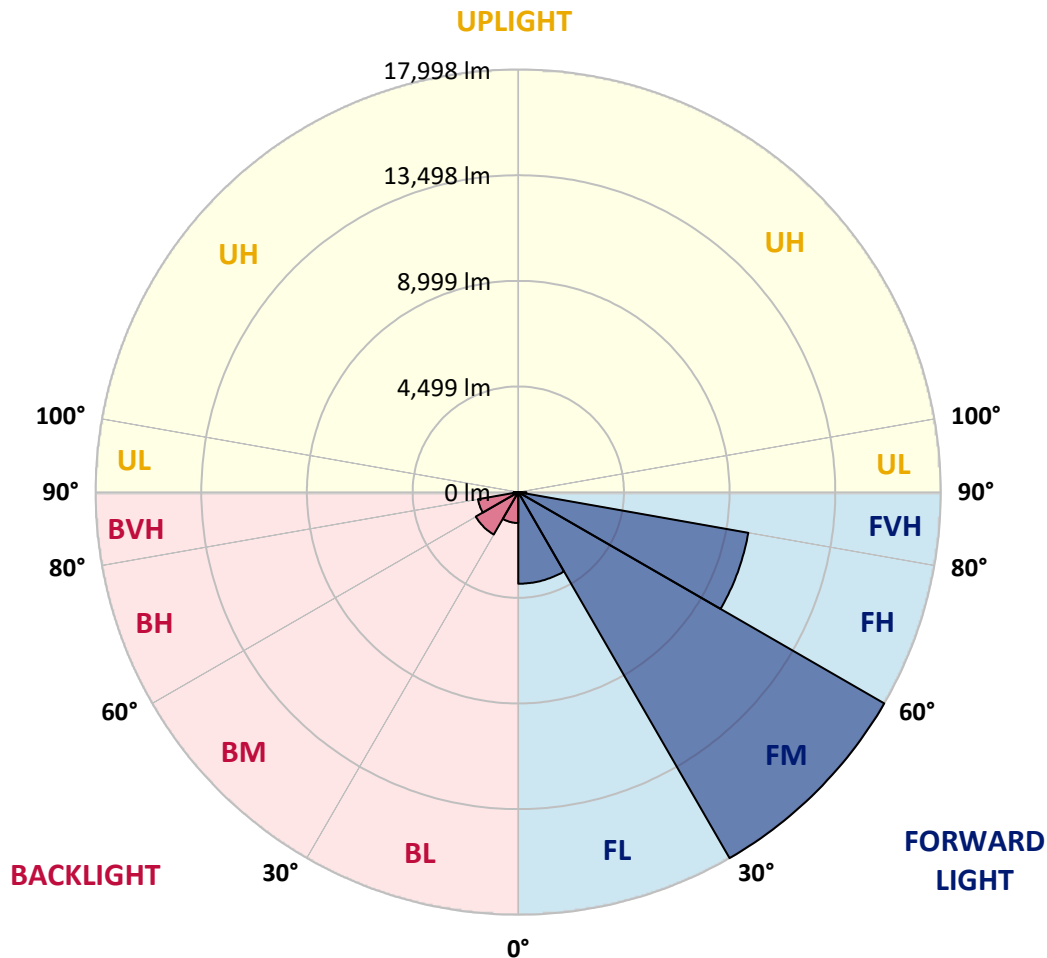
REPORT NUMBER: P476862
 CATALOG NUMBER: IFLD-L-SA8C-722-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3900.5	10.4			
FM (30°-60°)	17997.6	48.0			
FH (60°-80°)	9948.6	26.5			G4/12000
FVH (80°-90°)	343.2	0.9			G3/500
BL (0°-30°)	1314.8	3.5	B3/2500		
BM (30°-60°)	2086.4	5.6	B2/2500		
BH (60°-80°)	1742.4	4.6	B3/2500		G3/2500
BVH (80°-90°)	195.5	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-G4

Type II Medium





REPORT NUMBER: P476862

CATALOG NUMBER: IFLD-L-SA8C-722-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5
2.5°	5328.8	5264.7	5200.5	5063.6	5016.6	4888.3	4653.1	4392.2	4178.4	4148.4	3998.7
5°	6611.8	6517.7	6496.3	6419.4	6175.6	5927.5	5542.6	5123.5	4601.8	4640.2	4127.0
7.5°	7574.1	7518.5	7403.0	7330.3	7184.9	6855.6	6457.9	5901.9	5239.0	5110.7	4413.6
10°	8301.1	8224.1	8219.9	8155.7	8078.7	7740.9	7437.2	6688.8	5837.7	5662.4	4764.3
12.5°	8668.9	8656.1	8882.8	8882.8	8852.8	8711.7	8189.9	7505.7	6406.5	6346.7	5170.6
15°	9066.7	8959.7	9156.5	9306.2	9383.1	9455.8	9023.9	8301.1	7133.6	7018.1	5606.8
17.5°	9066.7	9058.1	9254.8	9502.9	9904.9	9999.0	9763.8	9032.4	7736.6	7651.1	6085.8
20°	8912.7	9036.7	9173.6	9507.2	9943.4	10324.0	10392.4	9780.9	8403.8	8335.3	6628.9
22.5°	9631.2	9511.4	9652.6	9780.9	10118.7	10696.1	10884.3	10439.5	9105.2	8844.3	7120.8
25°	10837.2	10756.0	10653.3	10465.2	10606.3	10858.6	11145.2	10927.0	9703.9	9413.1	7595.5
27.5°	12013.3	12017.6	11795.2	11384.6	11081.0	11132.3	11470.2	11354.7	10208.5	10080.2	7920.5
30°	13685.5	13582.9	13334.8	12778.9	12184.4	11696.9	11641.3	11752.4	10850.1	10602.0	8386.7
32.5°	14938.6	14960.0	14609.3	13809.6	12997.0	12599.2	12111.7	12158.7	11256.3	11072.4	8758.7
35°	15952.2	15926.5	15678.5	15015.6	14053.3	13574.3	12915.7	12646.3	12201.5	11910.7	9327.5
37.5°	17047.0	16837.5	16435.5	15687.0	15071.2	14408.3	13766.8	13159.5	12830.2	12479.5	9815.1
40°	17487.5	17487.5	16948.7	16606.5	15875.2	15374.8	14960.0	13835.2	13595.7	13527.3	10439.5
42.5°	17175.3	17367.8	17145.4	16756.2	16456.8	15823.9	15712.7	14536.6	14540.9	14404.0	11187.9
45°	17145.4	16880.2	16696.3	16794.7	16653.6	16619.4	16901.6	15507.4	15533.1	15516.0	12193.0
47.5°	16285.8	16166.0	16439.7	16602.3	16717.7	17248.0	18060.6	16666.4	16850.3	16722.0	13351.9
50°	15430.4	15409.0	15580.1	16170.3	16670.7	17543.1	19164.0	18454.1	19057.1	19048.5	15451.8
52.5°	13086.8	13313.5	13984.9	15233.7	16469.7	17945.1	19998.0	20737.9	21888.3	22200.5	17192.4
55°	10845.8	10726.0	11718.2	13531.6	15592.9	18103.4	20930.3	22110.7	23804.3	24030.9	18980.1
57.5°	8438.0	8660.4	9443.0	11183.6	13779.6	17320.7	21614.6	23466.4	25968.3	26143.6	21054.3
60°	6295.3	6325.3	7184.9	8587.7	11367.5	15554.5	21837.0	24856.3	28448.8	28949.2	23226.9
62.5°	3960.2	4139.9	4794.2	6175.6	8557.7	13082.5	20840.5	25698.9	31049.0	31181.6	25416.6
65°	2134.1	2249.6	2741.4	3609.6	5978.9	9896.3	18197.5	25194.2	32272.2	33059.1	26391.7
67°	1578.1	1599.5	1826.2	2305.2	3998.7	7450.1	15173.8	23368.0	32828.2	33401.2	26430.2
67.5°	1479.7	1509.7	1689.3	2069.9	3545.4	6859.9	14382.6	22718.0	32580.1	33196.0	26130.8
70°	1265.9	1274.5	1317.2	1424.2	1988.7	4127.0	9793.7	18616.6	30198.0	30788.2	24030.9
72.5°	1124.8	1133.3	1150.4	1171.8	1347.2	2386.4	5957.5	14327.0	26246.3	27187.2	20733.6
75°	987.9	1017.9	1026.4	1009.3	1146.2	1552.5	3169.1	10529.3	21409.3	21866.9	16123.3
77.5°	838.2	851.1	868.2	885.3	1022.1	1159.0	1522.5	7107.9	14694.8	14416.8	8720.2
80°	705.7	709.9	722.8	735.6	885.3	885.3	863.9	3840.5	6419.4	6137.1	2946.7
82.5°	504.7	534.6	564.5	598.7	735.6	594.5	564.5	1710.7	2031.4	1933.1	996.5
85°	196.7	239.5	372.1	410.6	466.2	320.8	376.4	739.9	846.8	838.2	372.1
87.5°	34.2	38.5	102.6	158.2	171.1	111.2	179.6	265.2	316.5	342.1	136.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P476862
 CATALOG NUMBER: IFLD-L-SA8C-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5
2.5°	3874.7	3742.1	3583.9	3425.7	3323.0	3160.5	3147.7	3049.3	3036.5	3002.3	3019.4
5°	3904.7	3746.4	3425.7	3173.3	3057.9	2963.8	2985.2	2942.4	2929.6	2908.2	2874.0
7.5°	4139.9	3827.7	3348.7	3130.6	3045.0	3002.3	3002.3	2950.9	2912.5	2938.1	2963.8
10°	4293.8	3866.2	3408.6	3190.4	3122.0	3027.9	3062.1	2998.0	3019.4	2968.0	2968.0
12.5°	4541.9	4084.3	3532.6	3280.3	3169.1	3083.5	3117.7	3045.0	3027.9	3032.2	3019.4
15°	4875.5	4229.7	3588.2	3331.6	3254.6	3147.7	3122.0	3057.9	2993.7	2972.3	2998.0
17.5°	5187.7	4409.3	3626.7	3361.5	3237.5	3117.7	3087.8	3006.5	2985.2	2921.0	2869.7
20°	5559.7	4623.1	3678.0	3387.2	3173.3	3053.6	2976.6	2895.3	2822.6	2784.1	2801.3
22.5°	5807.8	4734.3	3703.6	3335.8	3079.2	2968.0	2805.5	2749.9	2647.3	2604.5	2570.3
25°	6214.1	4871.2	3639.5	3194.7	2912.5	2732.8	2587.4	2510.4	2437.7	2382.1	2365.0
27.5°	6316.7	4973.8	3489.8	2955.2	2647.3	2459.1	2335.1	2241.0	2194.0	2108.4	2091.3
30°	6616.1	4871.2	3267.4	2664.4	2395.0	2202.5	2078.5	2010.1	1898.9	1877.5	1830.4
32.5°	6808.6	4901.1	2985.2	2382.1	2104.2	1933.1	1851.8	1783.4	1753.5	1650.8	1625.2
35°	7129.3	4798.5	2698.6	2121.3	1864.7	1732.1	1663.6	1642.3	1543.9	1496.9	1454.1
37.5°	7334.6	4738.6	2412.1	1826.2	1603.8	1548.2	1569.6	1479.7	1360.0	1270.2	1240.3
40°	7693.8	4717.2	2087.0	1582.4	1424.2	1411.3	1479.7	1308.7	1090.6	1013.6	970.8
42.5°	8211.3	4571.8	1834.7	1364.3	1283.0	1338.6	1351.4	1090.6	966.5	902.4	872.5
45°	8707.4	4601.8	1586.7	1129.1	1116.2	1197.5	1167.5	923.8	851.1	804.0	829.7
47.5°	9661.1	4751.4	1342.9	940.9	1005.0	1082.0	906.7	825.4	757.0	722.8	727.0
50°	11136.6	4896.9	1129.1	859.6	949.4	979.4	778.4	748.4	744.2	675.7	671.4
52.5°	12021.9	4841.3	1090.6	962.3	1017.9	979.4	846.8	825.4	791.2	761.3	727.0
55°	13428.9	5003.8	1171.8	1124.8	1154.7	940.9	949.4	940.9	915.2	838.2	859.6
57.5°	14549.4	5110.7	1278.7	1257.4	1240.3	979.4	992.2	996.5	979.4	945.2	975.1
60°	16089.0	5324.5	1389.9	1394.2	1398.5	1064.9	1086.3	1111.9	1107.7	1094.8	1103.4
62.5°	17034.2	5226.2	1514.0	1582.4	1561.0	1240.3	1236.0	1253.1	1253.1	1274.5	1287.3
65°	16893.1	4862.6	1578.1	1749.2	1638.0	1368.6	1368.6	1377.1	1381.4	1424.2	1428.4
67°	16046.3	4212.6	1543.9	1774.8	1638.0	1419.9	1419.9	1428.4	1398.5	1509.7	1475.5
67.5°	15652.8	4020.1	1514.0	1753.5	1625.2	1415.6	1415.6	1419.9	1394.2	1501.1	1466.9
70°	13612.8	2985.2	1304.4	1552.5	1505.4	1377.1	1377.1	1351.4	1330.1	1471.2	1441.3
72.5°	11619.9	2168.3	1047.8	1321.5	1360.0	1325.8	1334.3	1270.2	1210.3	1308.7	1283.0
75°	8899.9	1595.2	816.9	1017.9	1150.4	1240.3	1295.8	1133.3	1056.4	1082.0	1035.0
77.5°	4965.3	1039.2	645.8	752.7	876.7	1154.7	1244.5	1022.1	863.9	834.0	834.0
80°	1685.0	607.3	474.7	560.3	603.0	1022.1	1163.3	829.7	680.0	650.1	628.7
82.5°	637.2	372.1	325.0	384.9	384.9	808.3	949.4	637.2	513.2	662.9	675.7
85°	290.8	222.4	213.8	222.4	222.4	496.1	671.4	414.8	461.9	397.7	350.7
87.5°	115.5	106.9	98.4	94.1	77.0	85.5	230.9	111.2	209.6	55.6	51.3
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)