

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: P476676

Luminaire Tested: **IFLD-S-SA3C-760-U-T2**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P476676
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-760-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

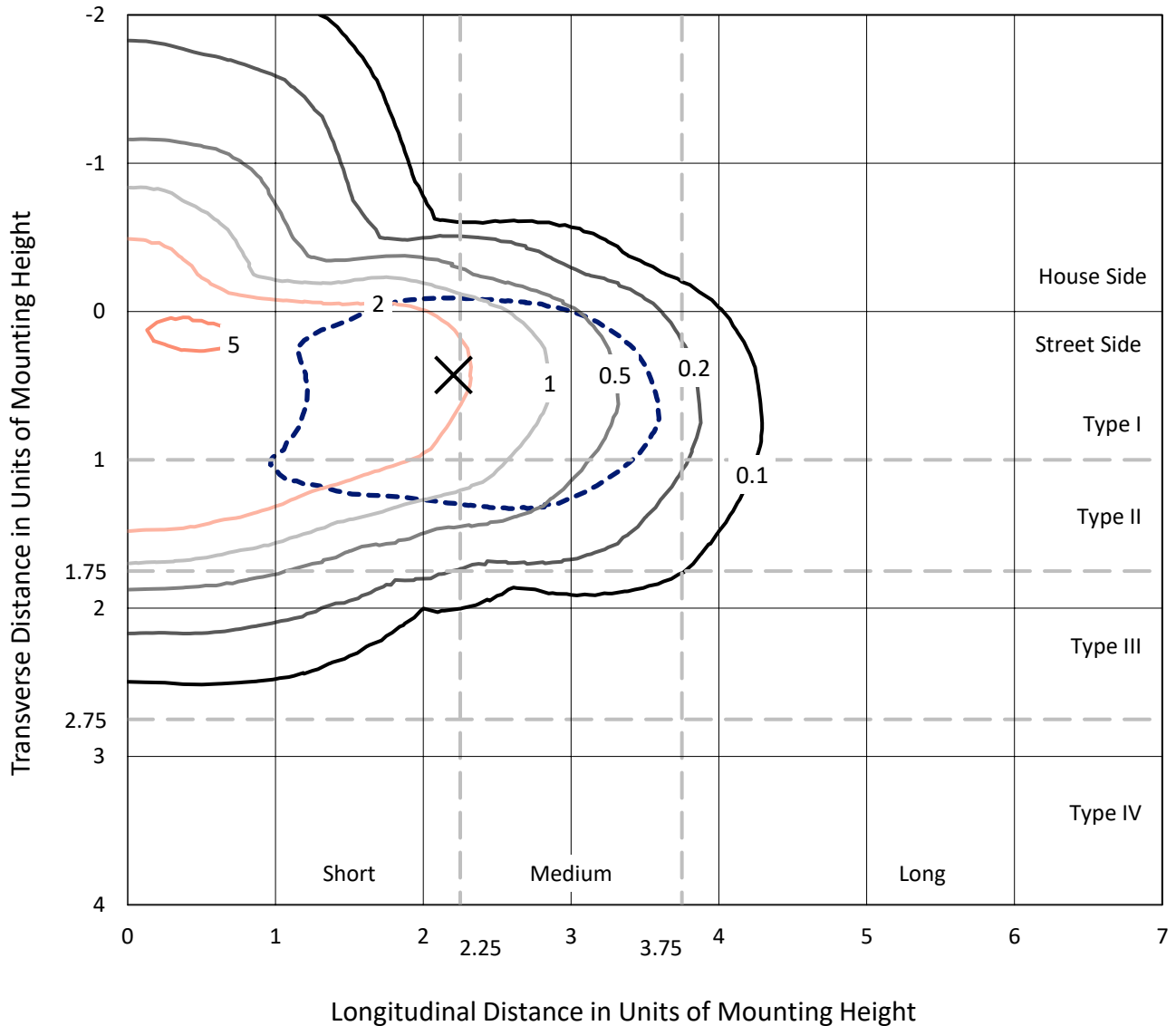
Lumens per Lamp: N/A
Luminaire Lumens: 21640.9 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 160.8
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

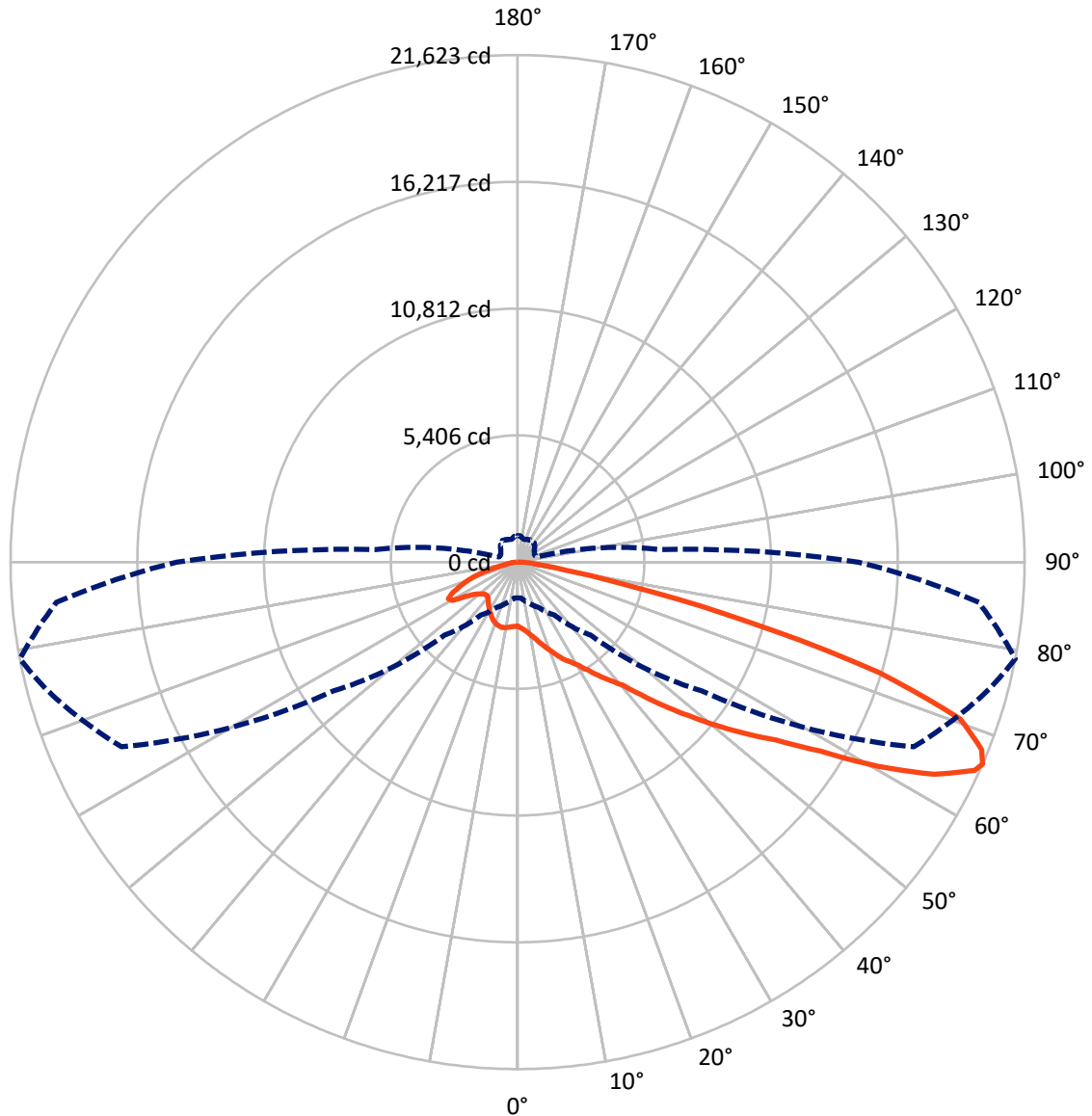
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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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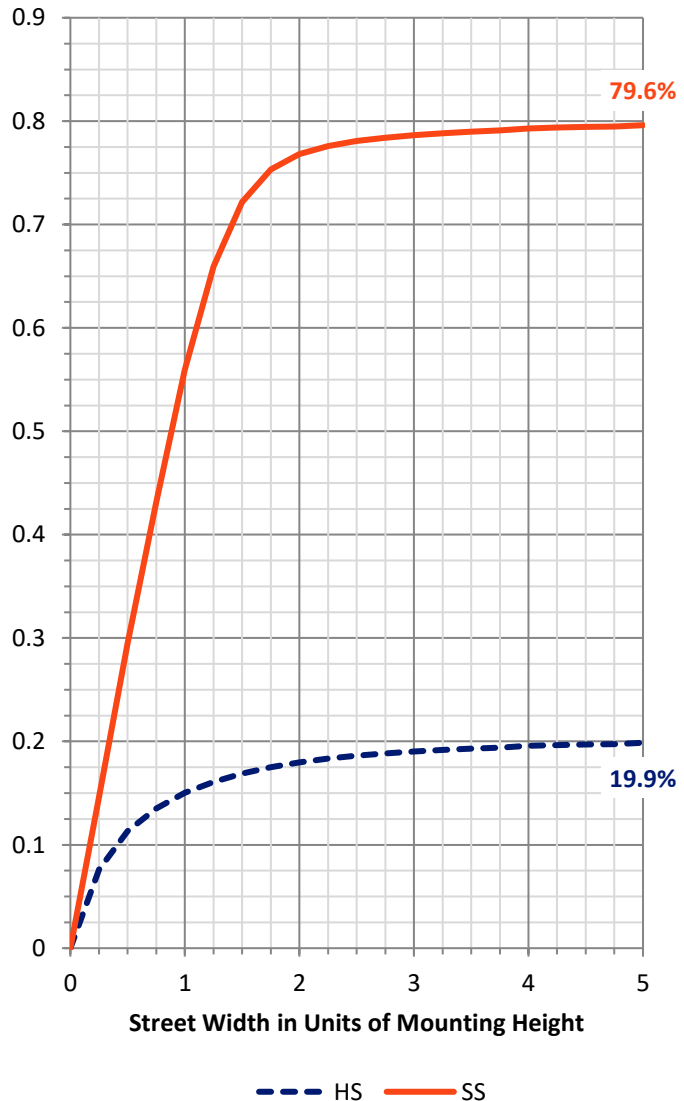
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4370.1	0.0	4370.1
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	17270.8	0.0	17270.8
	% Fixture	79.8	0.0	79.8
Total	Lumens	21640.9	0.0	21640.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.7	1.2
10°-20°	829.7	3.8
20°-30°	1424.3	6.6
30°-40°	2200.2	10.2
40°-50°	3524.2	16.3
50°-60°	5261.8	24.3
60°-70°	5406.5	25.0
70°-80°	2396.6	11.1
80°-90°	328.8	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°	21640.9	100.0
0°-180°	21640.9	100.0

Coefficient of Utilization



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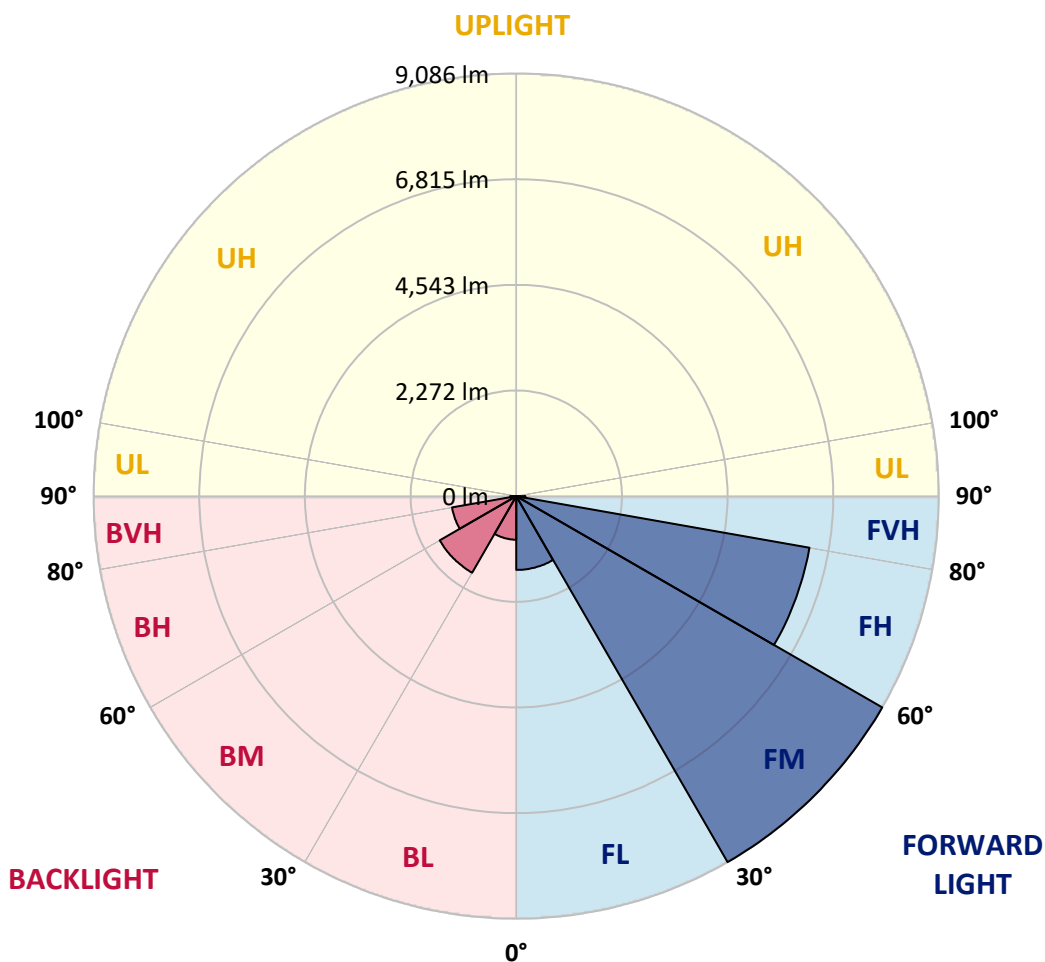
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1586.4	7.3			
FM (30°-60°)	9086.3	42.0			
FH (60°-80°)	6400.9	29.6			G3/7500
FVH (80°-90°)	197.2	0.9			G2/225
BL (0°-30°)	936.3	4.3	B2/1000		
BM (30°-60°)	1899.9	8.8	B2/2500		
BH (60°-80°)	1402.3	6.5	B3/2500		G3/2500
BVH (80°-90°)	131.6	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6
2.5°	2906.4	2908.8	2908.8	2899.3	2901.7	2908.8	2882.6	2825.5	2825.5	2816.0	2799.3
5°	3084.9	3073.0	3056.4	3058.8	3049.2	3049.2	3020.7	2965.9	2918.3	2899.3	2849.3
7.5°	3108.7	3120.6	3118.3	3146.8	3161.1	3161.1	3175.4	3130.2	3058.8	3013.5	2963.5
10°	3156.3	3125.4	3123.0	3189.7	3211.1	3261.1	3318.2	3294.4	3234.9	3170.6	3104.0
12.5°	3184.9	3204.0	3204.0	3237.3	3287.3	3361.1	3461.0	3506.3	3413.4	3346.8	3244.4
15°	3227.8	3201.6	3277.7	3306.3	3401.5	3453.9	3596.7	3713.4	3651.5	3570.5	3408.7
17.5°	3246.8	3230.1	3273.0	3325.4	3487.2	3565.8	3739.5	3901.4	3849.0	3796.7	3630.0
20°	3344.4	3342.0	3361.1	3403.9	3520.5	3675.3	3891.9	4115.6	4134.7	4039.5	3813.3
22.5°	3582.4	3551.5	3551.5	3534.8	3584.8	3744.3	4037.1	4346.5	4432.2	4320.3	4020.4
25°	3801.4	3844.3	3818.1	3741.9	3722.9	3806.2	4141.8	4591.7	4706.0	4601.2	4301.3
27.5°	4082.3	4096.6	4141.8	4039.5	3908.5	3934.7	4256.1	4729.8	4965.4	4825.0	4460.8
30°	4487.0	4460.8	4451.3	4337.0	4165.6	4129.9	4387.0	4932.1	5305.8	5108.2	4648.8
32.5°	4760.7	4825.0	4822.6	4665.5	4458.4	4379.8	4548.9	5122.5	5670.0	5486.7	4996.4
35°	5303.4	5370.1	5317.7	5086.8	4844.0	4686.9	4782.1	5370.1	6086.6	5943.7	5291.5
37.5°	5996.1	6153.2	6041.3	5615.3	5272.5	5101.1	5105.9	5639.1	6512.6	6396.0	5608.1
40°	6474.6	6686.4	6531.7	6131.8	5767.6	5605.7	5541.5	5958.0	7022.0	6898.3	6103.2
42.5°	7067.3	7243.4	7162.5	6767.3	6341.3	6203.2	6074.7	6491.2	7800.4	7743.3	6738.8
45°	7714.7	7798.0	7771.9	7521.9	7048.2	7000.6	6717.4	7193.4	8716.9	8740.7	7533.8
47.5°	8317.0	8362.2	8412.2	8231.3	7936.1	7976.6	7457.6	7945.6	9607.1	9764.2	8419.3
50°	8471.7	8626.4	8743.0	8864.4	8928.7	9202.4	8274.1	8869.2	10630.7	10935.3	9404.8
52.5°	8314.6	8302.7	8657.3	9038.2	9680.9	10254.6	9385.7	10016.5	11535.2	12137.4	10306.9
55°	7600.5	7576.7	8147.9	8652.6	9907.0	10840.1	10973.4	11544.7	12627.8	13410.9	11528.0
57.5°	6350.8	6203.2	6826.9	7655.2	9416.7	10904.4	12568.3	13813.2	14308.3	15200.9	13391.9
60°	4268.0	4206.1	4803.6	5791.4	7645.7	9992.7	13522.8	16652.9	16676.8	17681.3	16284.0
62.5°	2627.9	2639.8	3023.0	3763.3	5353.4	7921.8	13111.0	18921.4	18926.2	19933.1	18664.3
65°	1718.6	1725.8	2035.2	2444.6	3344.4	5372.5	10842.5	19100.0	20490.1	21425.6	19754.5
66°	1530.6	1532.9	1799.5	2132.8	2770.7	4396.5	9576.2	18635.8	20842.4	21623.1	19740.3
67.5°	1290.2	1321.1	1535.3	1792.4	2161.4	3158.7	7598.1	17293.3	20661.5	21347.0	19292.8
70°	1009.3	1025.9	1194.9	1456.8	1621.0	1828.1	4515.5	14096.4	18911.9	20023.5	17664.6
72.5°	809.3	823.6	952.1	1183.0	1316.3	1204.5	2458.9	10228.4	14939.1	16124.5	13894.1
75°	683.2	685.5	747.4	930.7	1083.1	904.5	1309.2	6565.0	9585.7	10137.9	8512.1
77.5°	552.2	561.8	604.6	709.3	871.2	711.7	780.8	3677.6	4813.1	4853.5	3934.7
80°	449.9	454.6	480.8	516.5	664.1	526.1	528.4	1794.8	2063.8	2016.2	1599.6
82.5°	354.7	359.4	390.4	383.2	488.0	376.1	328.5	864.1	949.8	930.7	735.5
85°	199.9	199.9	307.1	307.1	309.4	238.0	199.9	407.0	502.3	468.9	345.2
87.5°	64.3	66.6	92.8	97.6	154.7	107.1	97.6	152.3	238.0	209.5	123.8
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°	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6	2732.6
2.5°	2789.8	2751.7	2735.0	2680.3	2666.0	2630.3	2613.6	2592.2	2585.1	2554.1	2582.7
5°	2811.2	2799.3	2732.6	2663.6	2611.2	2587.4	2551.7	2504.1	2499.4	2456.5	2451.8
7.5°	2901.7	2861.2	2744.5	2670.8	2566.0	2506.5	2428.0	2404.2	2373.2	2358.9	2389.9
10°	3042.1	2939.7	2766.0	2580.3	2451.8	2380.4	2323.2	2306.6	2308.9	2299.4	2285.1
12.5°	3142.1	3044.5	2730.3	2504.1	2337.5	2268.5	2263.7	2280.4	2306.6	2294.7	2311.3
15°	3284.9	3101.6	2704.1	2378.0	2244.7	2225.6	2223.2	2273.2	2270.9	2270.9	2268.5
17.5°	3418.2	3158.7	2608.9	2268.5	2147.1	2161.4	2178.0	2175.6	2199.4	2209.0	2225.6
20°	3587.2	3225.4	2475.6	2159.0	2073.3	2068.5	2066.1	2068.5	2092.3	2106.6	2094.7
22.5°	3734.8	3239.7	2363.7	2054.2	1985.2	1966.2	1935.2	1966.2	1954.3	1959.0	1973.3
25°	3863.3	3242.0	2204.2	1975.7	1897.1	1854.3	1830.5	1828.1	1806.7	1804.3	1804.3
27.5°	3970.4	3161.1	2063.8	1866.2	1792.4	1751.9	1749.6	1723.4	1668.6	1632.9	1637.7
30°	4053.7	3099.2	1966.2	1771.0	1699.6	1692.4	1671.0	1611.5	1540.1	1494.9	1494.9
32.5°	4201.3	2975.4	1832.9	1673.4	1637.7	1628.2	1578.2	1525.8	1459.2	1416.3	1409.2
35°	4310.8	2861.2	1744.8	1590.1	1573.4	1554.4	1511.5	1454.4	1435.4	1425.8	1433.0
37.5°	4434.6	2732.6	1637.7	1518.7	1535.3	1499.6	1449.6	1423.5	1490.1	1473.4	1480.6
40°	4632.2	2642.2	1532.9	1475.8	1492.5	1452.0	1387.7	1378.2	1461.5	1402.0	1387.7
42.5°	4994.0	2639.8	1468.7	1411.5	1423.5	1392.5	1335.4	1330.6	1363.9	1292.5	1271.1
45°	5443.9	2723.1	1421.1	1363.9	1354.4	1349.7	1330.6	1309.2	1280.6	1187.8	1164.0
47.5°	5981.8	2858.8	1411.5	1292.5	1304.4	1344.9	1321.1	1266.3	1192.6	1133.0	1121.1
50°	6634.0	3139.7	1387.7	1240.2	1261.6	1325.9	1306.8	1230.6	1164.0	1125.9	1118.8
52.5°	7355.3	3494.4	1356.8	1159.2	1206.8	1309.2	1318.7	1247.3	1149.7	1116.4	1111.6
55°	8205.1	4018.0	1321.1	1071.2	1142.6	1292.5	1318.7	1199.7	1130.7	1130.7	1125.9
57.5°	9883.2	4960.7	1247.3	990.2	1085.4	1261.6	1280.6	1202.1	1133.0	1133.0	1123.5
60°	12344.5	6431.7	1106.9	928.3	1030.7	1218.7	1252.1	1166.4	1106.9	1121.1	1118.8
62.5°	14270.2	6879.2	987.8	868.8	975.9	1140.2	1214.0	1128.3	1075.9	1128.3	1133.0
65°	14682.0	6427.0	866.4	804.6	899.8	1064.0	1159.2	1073.5	1030.7	1133.0	1137.8
66°	14534.4	6074.7	823.6	785.5	866.4	1025.9	1125.9	1054.5	1006.9	1128.3	1130.7
67.5°	13877.5	5546.2	776.0	745.1	821.2	971.2	1087.8	1028.3	968.8	1114.0	1092.6
70°	12449.2	4703.6	695.1	673.6	757.0	880.7	999.7	961.7	909.3	1025.9	987.8
72.5°	9588.1	3758.6	609.4	611.8	683.2	787.9	911.7	885.5	840.3	899.8	876.0
75°	5839.0	2401.8	530.8	535.6	595.1	699.8	828.4	809.3	754.6	787.9	776.0
77.5°	2587.4	1190.2	447.5	457.0	504.6	616.5	721.2	690.3	633.2	640.3	635.6
80°	1004.5	564.1	364.2	376.1	407.0	492.7	597.5	568.9	518.9	509.4	504.6
82.5°	483.2	314.2	280.9	285.6	297.5	392.8	514.2	478.5	411.8	369.0	369.0
85°	242.8	195.2	197.6	180.9	197.6	266.6	347.5	290.4	240.4	214.2	219.0
87.5°	97.6	97.6	97.6	83.3	88.1	126.2	161.9	109.5	100.0	59.5	59.5
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)