

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: P477041

Luminaire Tested: **IFLD-S-SA6B-750-U-T2R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P477041
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

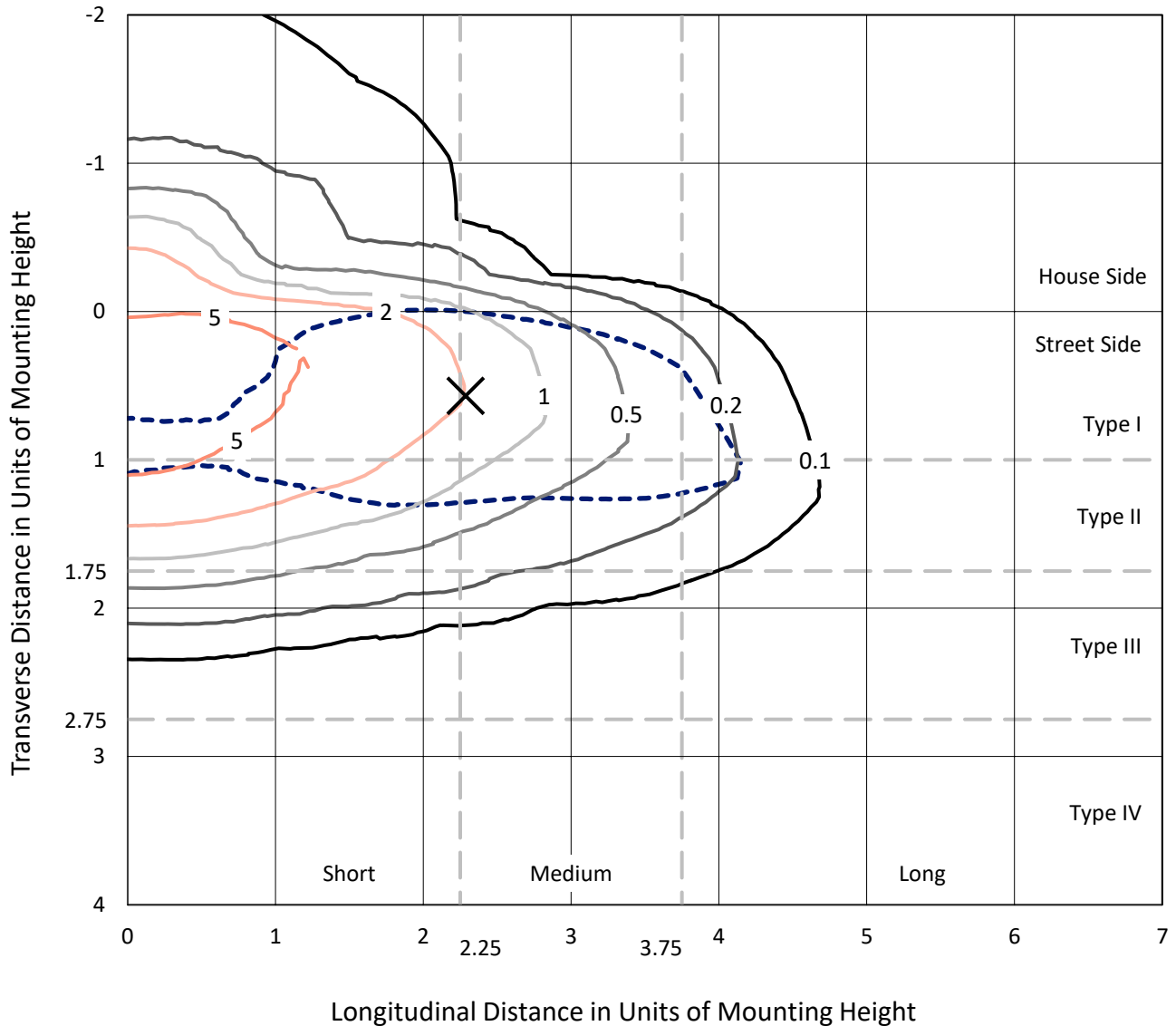
Lumens per Lamp: N/A
Luminaire Lumens: 34336 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 244.9
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

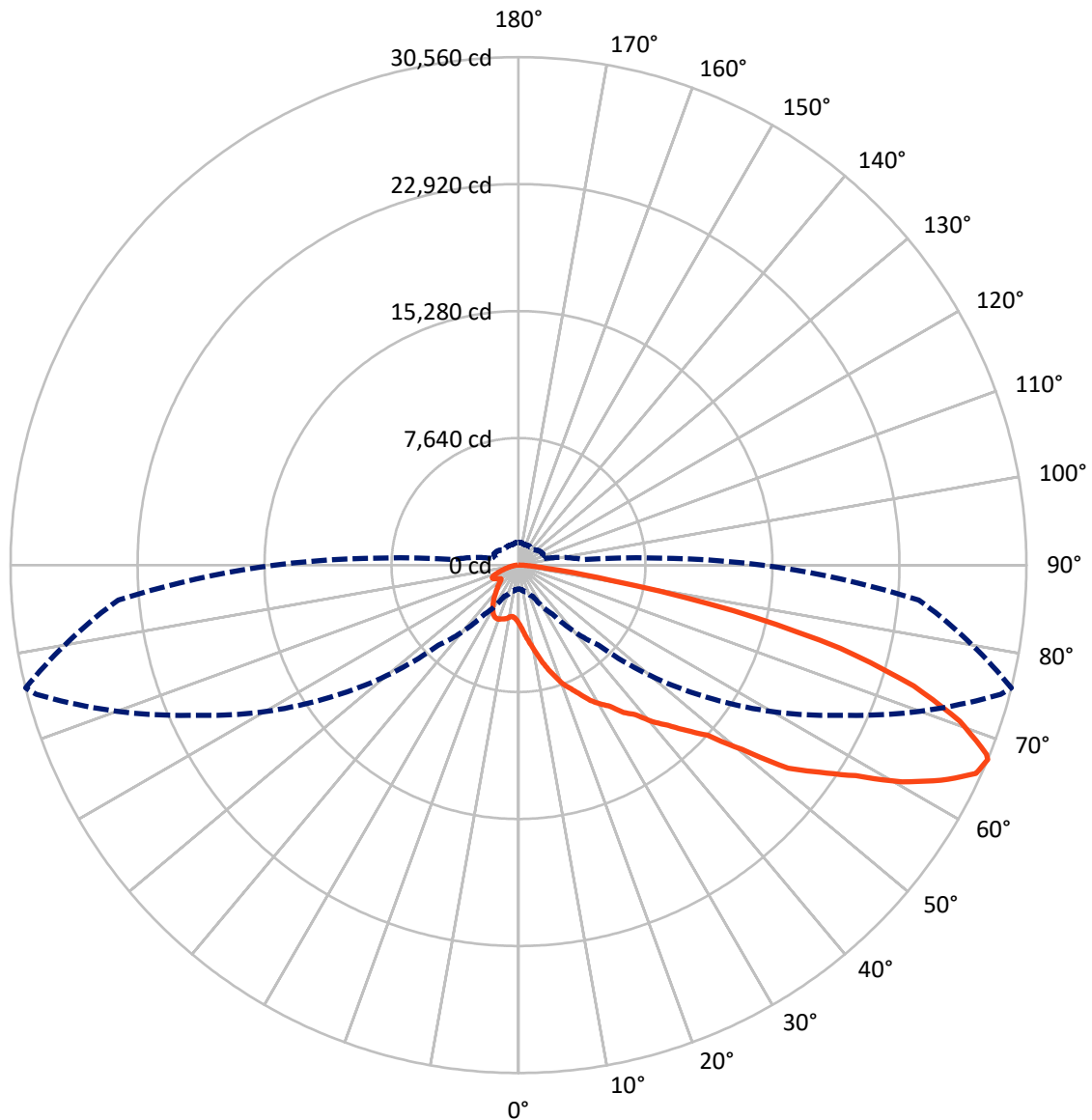
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.1 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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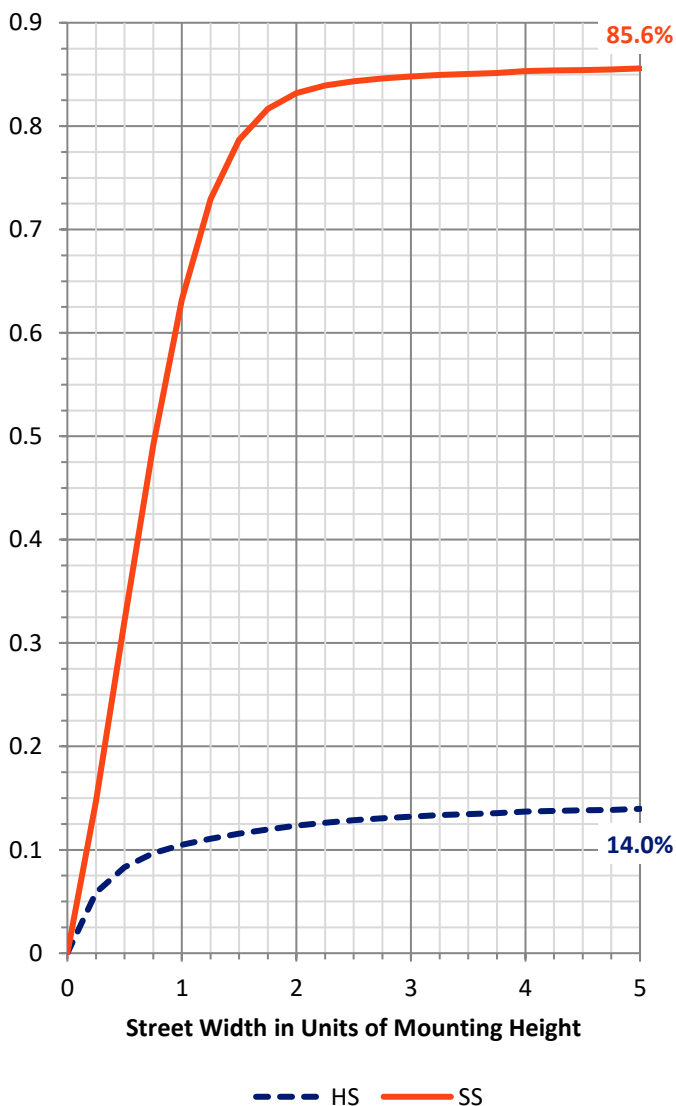
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4884.7	0.0	4884.7
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	29451.2	0.0	29451.2
	% Fixture	85.8	0.0	85.8
Total	Lumens	34336.0	0.0	34336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.0	1.2
10°-20°	1526.5	4.4
20°-30°	2838.0	8.3
30°-40°	4498.9	13.1
40°-50°	6222.4	18.1
50°-60°	7653.9	22.3
60°-70°	7122.4	20.7
70°-80°	3574.0	10.4
80°-90°	492.8	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°	34336.0	100.0
0°-180°	34336.0	100.0

Coefficient of Utilization



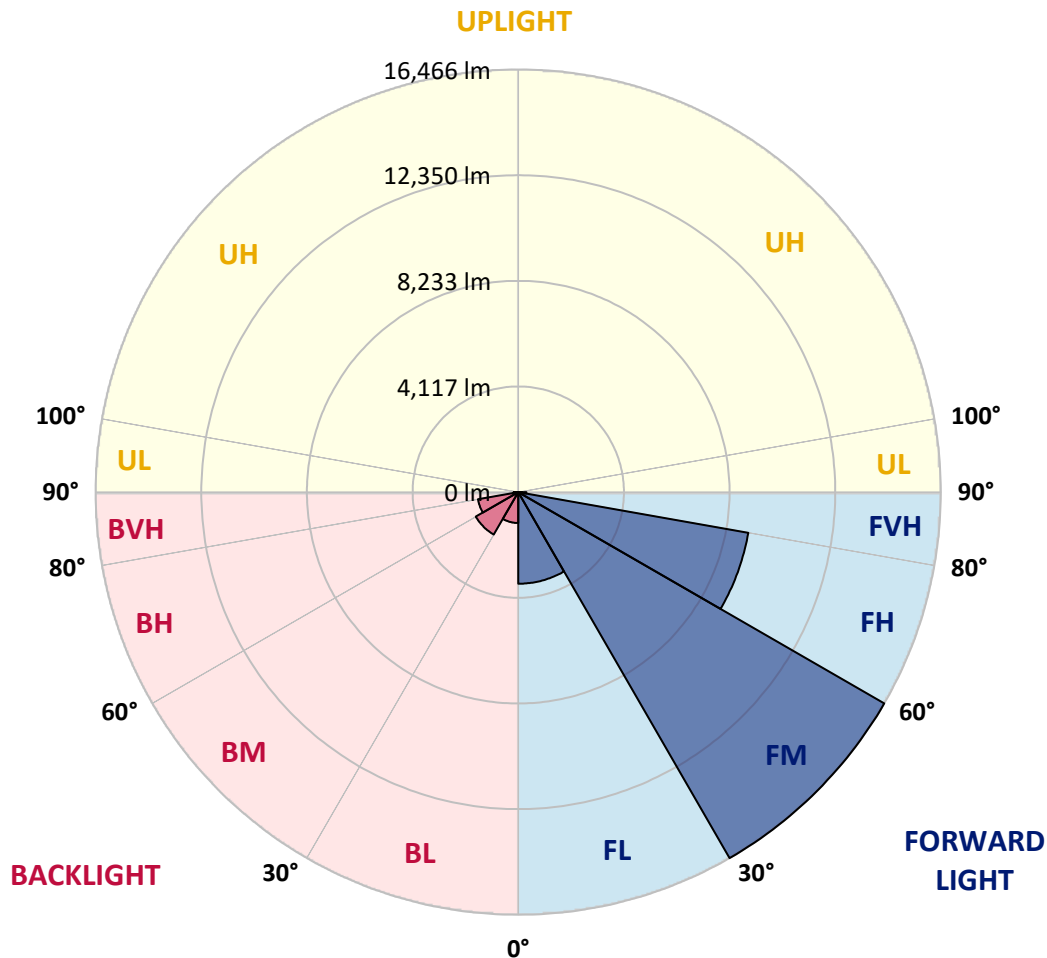
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3568.7	10.4			
FM (30°-60°)	16466.4	48.0			
FH (60°-80°)	9102.2	26.5			G4/12000
FVH (80°-90°)	314.0	0.9			G3/500
BL (0°-30°)	1202.9	3.5	B3/2500		
BM (30°-60°)	1908.9	5.6	B2/2500		
BH (60°-80°)	1594.1	4.6	B3/2500		G3/2500
BVH (80°-90°)	178.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8
2.5°	4875.4	4816.7	4758.1	4632.8	4589.8	4472.4	4257.2	4018.5	3822.9	3795.5	3658.5
5°	6049.3	5963.2	5943.7	5873.2	5650.2	5423.2	5071.1	4687.6	4210.3	4245.5	3775.9
7.5°	6929.7	6878.8	6773.2	6706.7	6573.6	6272.3	5908.4	5399.8	4793.3	4675.9	4038.1
10°	7594.9	7524.5	7520.5	7461.9	7391.4	7082.3	6804.5	6119.7	5341.1	5180.6	4358.9
12.5°	7931.4	7919.7	8127.0	8127.0	8099.7	7970.5	7493.2	6867.1	5861.5	5806.7	4730.7
15°	8295.3	8197.5	8377.5	8514.4	8584.8	8651.4	8256.2	7594.9	6526.7	6421.0	5129.8
17.5°	8295.3	8287.5	8467.5	8694.4	9062.2	9148.3	8933.1	8264.0	7078.4	7000.1	5568.0
20°	8154.4	8267.9	8393.1	8698.3	9097.4	9445.7	9508.3	8948.7	7688.8	7626.2	6065.0
22.5°	8811.8	8702.2	8831.4	8948.7	9257.9	9786.1	9958.3	9551.3	8330.5	8091.8	6514.9
25°	9915.2	9840.9	9747.0	9574.8	9703.9	9934.8	10197.0	9997.4	8878.3	8612.2	6949.3
27.5°	10991.3	10995.2	10791.7	10416.1	10138.3	10185.2	10494.3	10388.7	9340.0	9222.6	7246.6
30°	12521.2	12427.3	12200.3	11691.7	11147.8	10701.7	10650.8	10752.6	9927.0	9700.0	7673.1
32.5°	13667.7	13687.2	13366.4	12634.7	11891.2	11527.3	11081.3	11124.3	10298.7	10130.4	8013.6
35°	14595.0	14571.5	14344.6	13738.1	12857.7	12419.5	11816.9	11570.4	11163.4	10897.4	8534.0
37.5°	15596.7	15405.0	15037.2	14352.4	13789.0	13182.5	12595.5	12039.9	11738.6	11417.8	8980.0
40°	15999.7	15999.7	15506.7	15193.7	14524.6	14066.8	13687.2	12658.1	12439.0	12376.4	9551.3
42.5°	15714.1	15890.2	15686.7	15330.6	15056.7	14477.6	14375.9	13299.9	13303.8	13178.6	10236.1
45°	15686.7	15444.1	15275.9	15365.9	15236.7	15205.4	15463.7	14188.1	14211.6	14195.9	11155.6
47.5°	14900.2	14790.7	15041.1	15189.8	15295.4	15780.6	16524.1	15248.5	15416.7	15299.3	12216.0
50°	14117.7	14098.1	14254.6	14794.6	15252.4	16050.6	17533.6	16884.1	17435.8	17427.9	14137.2
52.5°	11973.4	12180.8	12795.1	13937.7	15068.5	16418.4	18296.6	18973.5	20026.1	20311.7	15729.8
55°	9923.0	9813.5	10721.3	12380.3	14266.3	16563.2	19149.6	20229.6	21779.1	21986.4	17365.3
57.5°	7720.1	7923.6	8639.6	10232.2	12607.3	15847.1	19775.7	21469.9	23759.0	23919.4	19263.1
60°	5759.8	5787.1	6573.6	7857.1	10400.4	14231.1	19979.1	22741.6	26028.4	26486.2	21250.8
62.5°	3623.3	3787.7	4386.3	5650.2	7829.7	11969.5	19067.4	23512.5	28407.5	28528.8	23254.2
65°	1952.5	2058.2	2508.2	3302.5	5470.2	9054.4	16649.3	23050.7	29526.6	30246.5	24146.3
67°	1443.9	1463.4	1670.8	2109.0	3658.5	6816.2	13882.9	21379.9	30035.2	30559.5	24181.6
67.5°	1353.9	1381.2	1545.6	1893.8	3243.8	6276.3	13159.0	20785.2	29808.3	30371.7	23907.7
70°	1158.2	1166.0	1205.2	1303.0	1819.5	3775.9	8960.5	17032.7	27628.8	28168.8	21986.4
72.5°	1029.1	1036.9	1052.6	1072.1	1232.6	2183.4	5450.6	13108.1	24013.3	24874.1	18969.6
75°	903.9	931.3	939.1	923.4	1048.7	1420.4	2899.4	9633.5	19587.8	20006.5	14751.5
77.5°	766.9	778.7	794.3	810.0	935.2	1060.4	1393.0	6503.2	13444.6	13190.3	7978.4
80°	645.6	649.5	661.3	673.0	810.0	810.0	790.4	3513.8	5873.2	5615.0	2696.0
82.5°	461.7	489.1	516.5	547.8	673.0	543.9	516.5	1565.1	1858.6	1768.6	911.7
85°	180.0	219.1	340.4	375.6	426.5	293.5	344.3	676.9	774.7	766.9	340.4
87.5°	31.3	35.2	93.9	144.8	156.5	101.7	164.3	242.6	289.6	313.0	125.2
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°	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8	3513.8
2.5°	3545.1	3423.8	3279.0	3134.2	3040.3	2891.6	2879.9	2789.9	2778.1	2746.8	2762.5
5°	3572.5	3427.7	3134.2	2903.4	2797.7	2711.6	2731.2	2692.1	2680.3	2660.8	2629.5
7.5°	3787.7	3502.0	3063.8	2864.2	2786.0	2746.8	2746.8	2699.9	2664.7	2688.1	2711.6
10°	3928.5	3537.2	3118.6	2919.0	2856.4	2770.3	2801.6	2742.9	2762.5	2715.5	2715.5
12.5°	4155.5	3736.8	3232.0	3001.2	2899.4	2821.2	2852.5	2786.0	2770.3	2774.2	2762.5
15°	4460.7	3869.8	3282.9	3048.1	2977.7	2879.9	2856.4	2797.7	2739.0	2719.4	2742.9
17.5°	4746.3	4034.2	3318.1	3075.5	2962.0	2852.5	2825.1	2750.8	2731.2	2672.5	2625.5
20°	5086.7	4229.8	3365.1	3099.0	2903.4	2793.8	2723.4	2649.0	2582.5	2547.3	2562.9
22.5°	5313.7	4331.6	3388.5	3052.0	2817.3	2715.5	2566.8	2516.0	2422.1	2382.9	2351.6
25°	5685.4	4456.8	3329.9	2922.9	2664.7	2500.3	2367.3	2296.9	2230.3	2179.5	2163.8
27.5°	5779.3	4550.7	3192.9	2703.8	2422.1	2249.9	2136.4	2050.3	2007.3	1929.0	1913.4
30°	6053.2	4456.8	2989.4	2437.7	2191.2	2015.1	1901.7	1839.1	1737.3	1717.8	1674.7
32.5°	6229.3	4484.2	2731.2	2179.5	1925.1	1768.6	1694.3	1631.7	1604.3	1510.4	1486.9
35°	6522.8	4390.2	2469.0	1940.8	1706.0	1584.7	1522.1	1502.5	1412.5	1369.5	1330.4
37.5°	6710.6	4335.5	2206.9	1670.8	1467.3	1416.5	1436.0	1353.9	1244.3	1162.1	1134.7
40°	7039.3	4315.9	1909.5	1447.8	1303.0	1291.2	1353.9	1197.3	997.8	927.4	888.2
42.5°	7512.7	4182.9	1678.6	1248.2	1173.9	1224.7	1236.5	997.8	884.3	825.6	798.2
45°	7966.6	4210.3	1451.7	1033.0	1021.3	1095.6	1068.2	845.2	778.7	735.6	759.1
47.5°	8839.2	4347.2	1228.6	860.8	919.5	990.0	829.5	755.2	692.6	661.3	665.2
50°	10189.1	4480.2	1033.0	786.5	868.7	896.0	712.1	684.8	680.8	618.2	614.3
52.5°	10999.1	4429.4	997.8	880.4	931.3	896.0	774.7	755.2	723.9	696.5	665.2
55°	12286.4	4578.1	1072.1	1029.1	1056.5	860.8	868.7	860.8	837.4	766.9	786.5
57.5°	13311.6	4675.9	1169.9	1150.4	1134.7	896.0	907.8	911.7	896.0	864.7	892.1
60°	14720.2	4871.5	1271.7	1275.6	1279.5	974.3	993.9	1017.3	1013.4	1001.7	1009.5
62.5°	15585.0	4781.5	1385.2	1447.8	1428.2	1134.7	1130.8	1146.5	1146.5	1166.0	1177.8
65°	15455.9	4448.9	1443.9	1600.4	1498.6	1252.1	1252.1	1259.9	1263.9	1303.0	1306.9
67°	14681.1	3854.2	1412.5	1623.8	1498.6	1299.1	1299.1	1306.9	1279.5	1381.2	1349.9
67.5°	14321.1	3678.1	1385.2	1604.3	1486.9	1295.2	1295.2	1299.1	1275.6	1373.4	1342.1
70°	12454.7	2731.2	1193.4	1420.4	1377.3	1259.9	1259.9	1236.5	1216.9	1346.0	1318.6
72.5°	10631.3	1983.8	958.7	1209.1	1244.3	1213.0	1220.8	1162.1	1107.3	1197.3	1173.9
75°	8142.7	1459.5	747.4	931.3	1052.6	1134.7	1185.6	1036.9	966.5	990.0	946.9
77.5°	4542.8	950.8	590.8	688.7	802.1	1056.5	1138.6	935.2	790.4	763.0	763.0
80°	1541.7	555.6	434.3	512.6	551.7	935.2	1064.3	759.1	622.1	594.8	575.2
82.5°	583.0	340.4	297.4	352.2	352.2	739.5	868.7	583.0	469.5	606.5	618.2
85°	266.1	203.5	195.6	203.5	203.5	453.9	614.3	379.5	422.6	363.9	320.9
87.5°	105.6	97.8	90.0	86.1	70.4	78.3	211.3	101.7	191.7	50.9	47.0
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)