

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: P478562

Luminaire Tested: **IFLD-S-SA6B-740-U-T4W**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478562
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-740-U-T4W
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

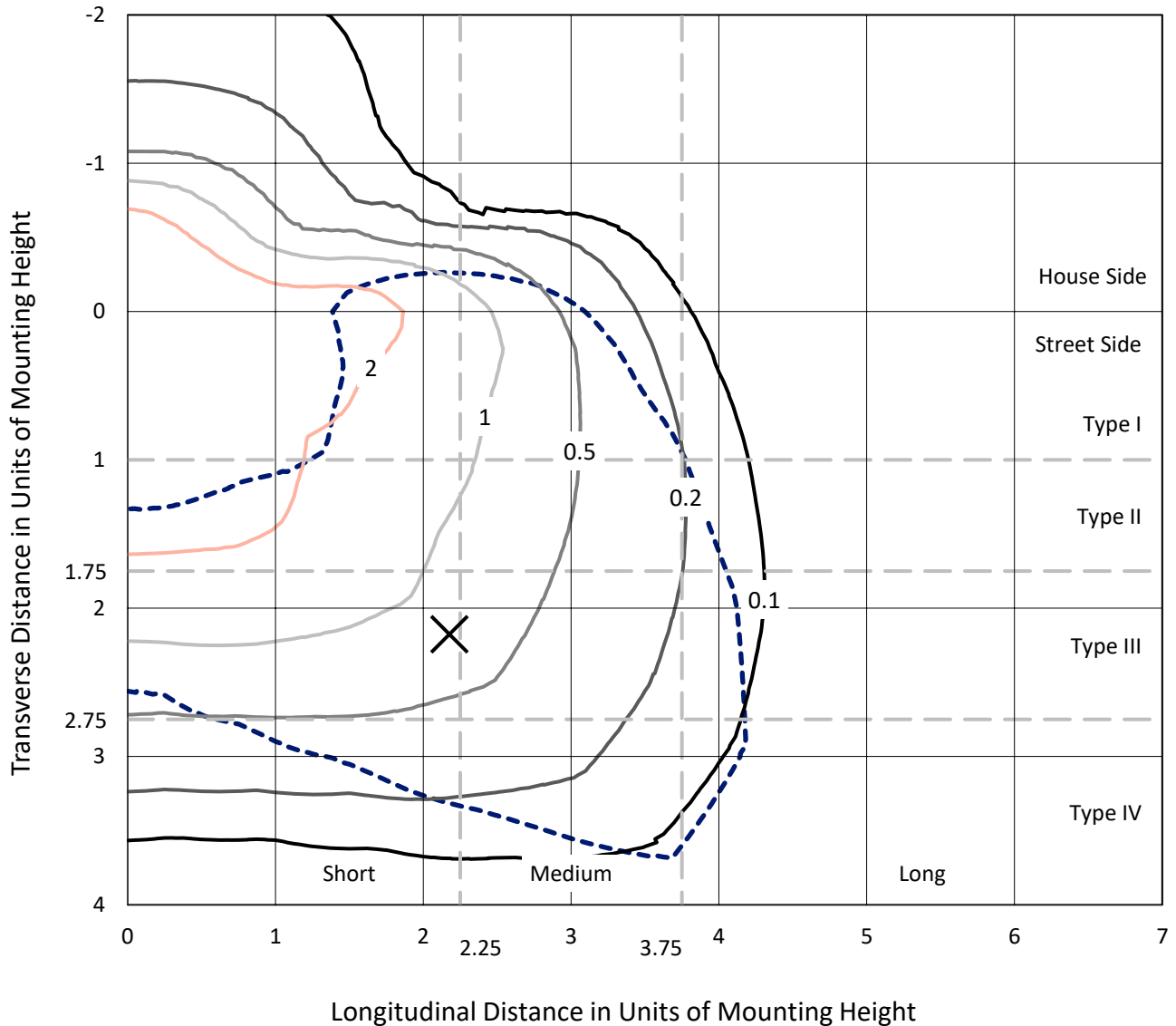
Lumens per Lamp: N/A
Luminaire Lumens: 33739.5 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

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

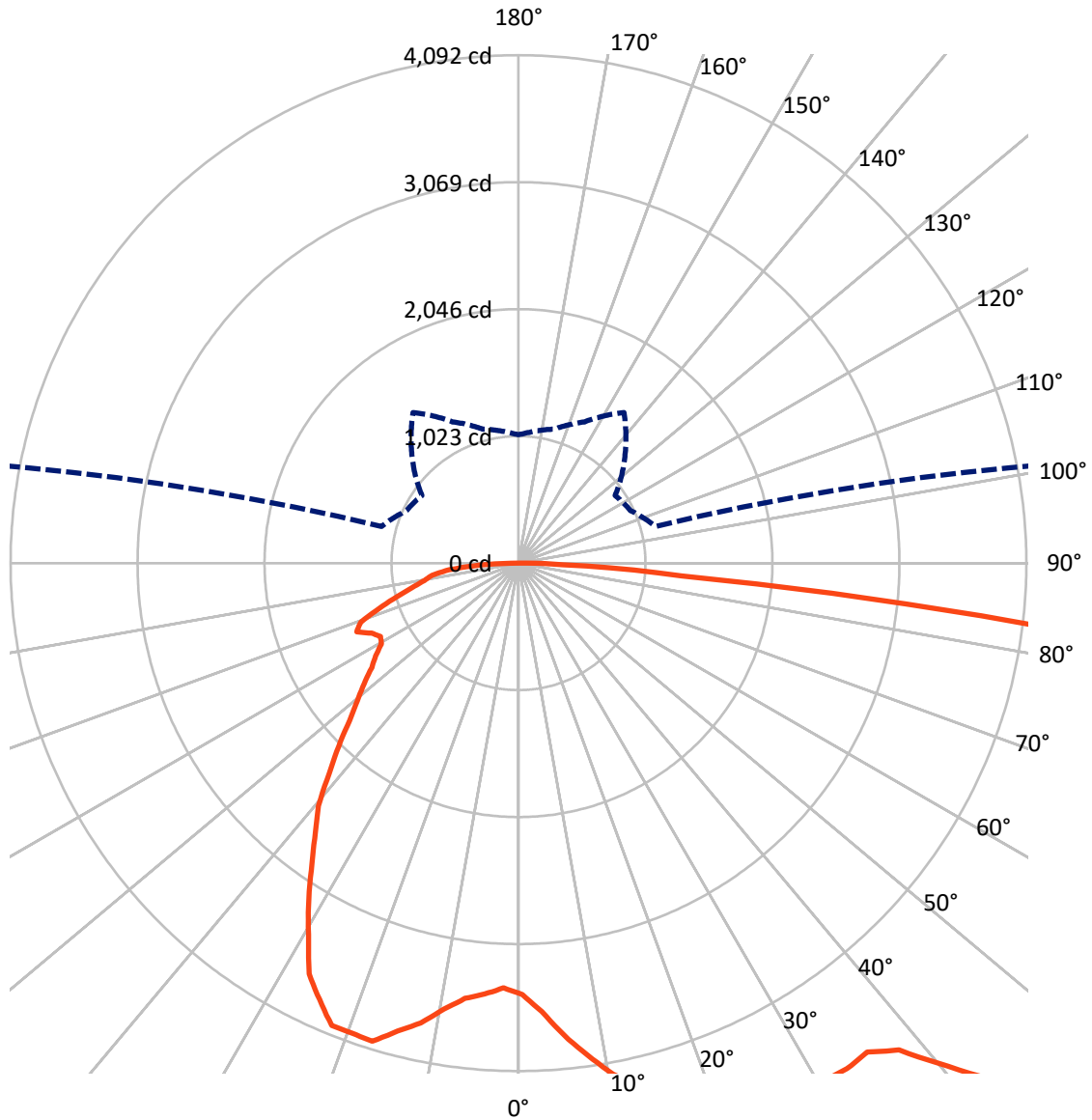
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7510.6	0.0	7510.6
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	26228.9	0.0	26228.9
	% Fixture	77.7	0.0	77.7
Total	Lumens	33739.5	0.0	33739.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.5	1.1
10°-20°	1182.9	3.5
20°-30°	1997.6	5.9
30°-40°	2764.4	8.2
40°-50°	3954.2	11.7
50°-60°	6377.6	18.9
60°-70°	9406.1	27.9
70°-80°	6830.4	20.2
80°-90°	870.7	2.6
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°	33739.5	100.0
0°-180°	33739.5	100.0

Coefficient of Utilization

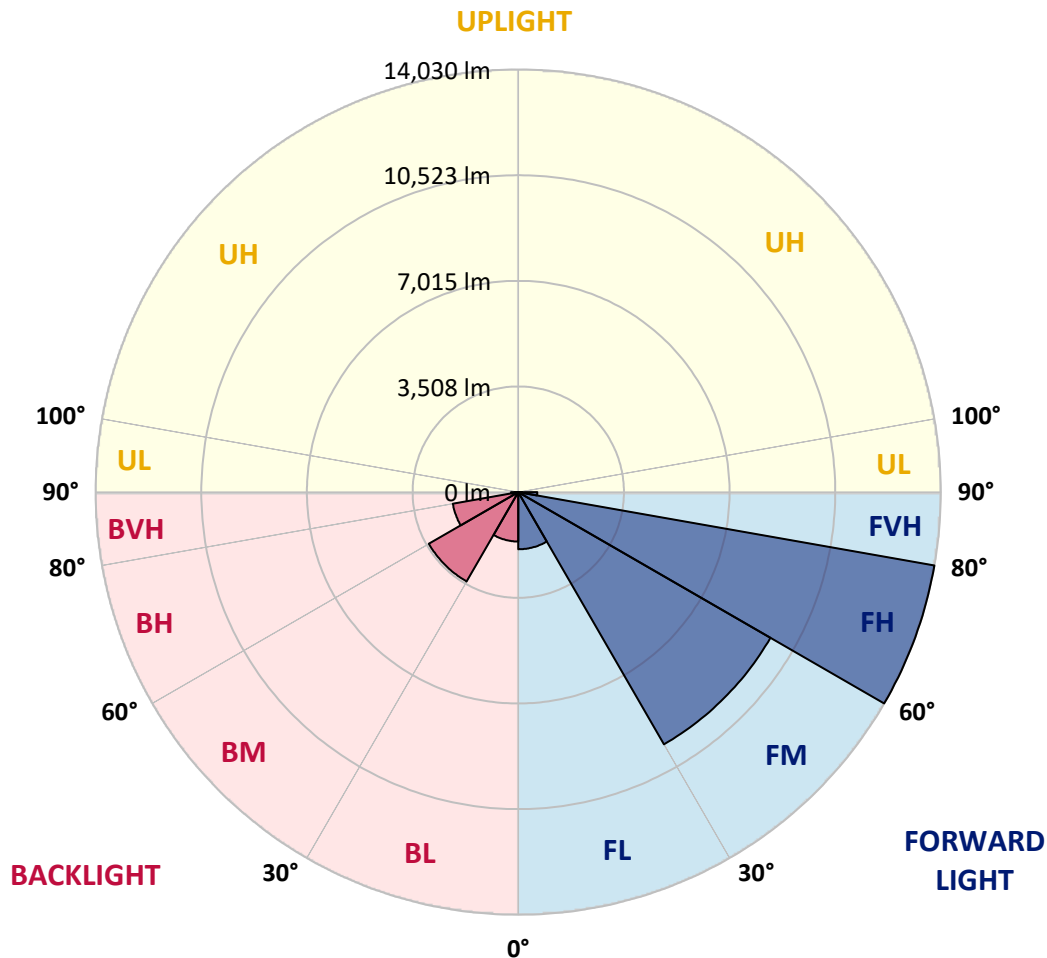


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1896.2	5.6			
FM (30°-60°)	9668.6	28.7			
FH (60°-80°)	14030.4	41.6			G5
FVH (80°-90°)	633.8	1.9			G4/750
BL (0°-30°)	1639.9	4.9	B3/2500		
BM (30°-60°)	3427.6	10.2	B3/5000		
BH (60°-80°)	2206.1	6.5	B3/2500		G3/2500
BVH (80°-90°)	237.0	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6
2.5°	3660.1	3681.9	3660.1	3656.5	3620.1	3594.6	3616.5	3583.7	3547.3	3532.8	3500.0
5°	3994.8	3998.5	3958.4	3962.1	3885.7	3805.6	3820.2	3722.0	3616.5	3576.4	3510.9
7.5°	4336.8	4296.8	4238.6	4220.4	4100.3	4013.0	4002.1	3914.8	3751.1	3660.1	3569.2
10°	4558.8	4573.3	4478.7	4398.7	4296.8	4191.3	4187.7	4023.9	3929.3	3794.7	3678.3
12.5°	4755.2	4758.9	4678.8	4551.5	4424.1	4293.2	4311.4	4238.6	4078.5	3951.2	3834.7
15°	4908.0	4886.2	4798.9	4682.5	4547.9	4446.0	4435.1	4373.2	4238.6	4133.1	3940.3
17.5°	4951.7	4940.8	4853.5	4729.8	4598.8	4522.4	4551.5	4449.6	4395.0	4300.4	4114.9
20°	4868.0	4842.6	4828.0	4689.7	4595.1	4587.9	4562.4	4584.2	4493.3	4406.0	4271.3
22.5°	4715.2	4704.3	4697.0	4587.9	4544.2	4577.0	4620.6	4653.4	4638.8	4555.1	4402.3
25°	4558.8	4609.7	4562.4	4511.5	4573.3	4657.0	4646.1	4751.6	4751.6	4726.1	4598.8
27.5°	4667.9	4635.2	4598.8	4573.3	4595.1	4726.1	4718.8	4846.2	4893.5	4846.2	4700.7
30°	4940.8	4908.0	4802.5	4689.7	4660.6	4802.5	4838.9	4951.7	4973.5	4857.1	4733.4
32.5°	5453.8	5435.6	5268.2	4937.1	4758.9	4838.9	4857.1	4984.4	4966.3	4893.5	4842.6
35°	6214.2	6152.3	5919.5	5359.2	4966.3	4886.2	4838.9	4940.8	5009.9	4973.5	4926.2
37.5°	7047.3	6978.2	6690.8	5981.3	5341.0	5013.6	4977.2	5060.8	5140.9	5122.7	5024.5
40°	7844.1	7844.1	7585.8	6759.9	5897.7	5322.8	5330.1	5235.5	5308.3	5275.5	5293.7
42.5°	8630.0	8600.9	8495.4	7673.1	6494.3	5839.4	5723.0	5486.5	5617.5	5606.6	5632.1
45°	9426.8	9405.0	9375.8	8524.5	7349.3	6538.0	6476.1	6050.5	6170.5	6119.6	6228.7
47.5°	10063.5	10089.0	10089.0	9474.1	8262.5	7469.4	7378.4	6705.4	6934.6	6960.0	6985.5
50°	10605.6	10616.5	10605.6	10380.0	9281.3	8535.4	8349.9	7665.9	7895.1	8095.2	8328.0
52.5°	11355.1	11369.6	11318.7	11231.4	10663.8	9656.0	9448.6	8688.2	9157.6	9368.6	9787.0
55°	12279.2	12170.0	12075.5	12140.9	11991.8	10889.4	10674.7	9743.3	10449.1	10729.3	11566.1
57.5°	12450.2	12544.8	12784.9	13305.2	13519.8	12090.0	11966.3	11038.5	11908.1	12151.9	13549.0
60°	13054.1	12897.7	13487.1	14615.0	14855.1	13654.5	13527.1	12457.5	13359.8	13614.4	15379.0
62.5°	13450.7	13443.4	14316.6	15655.5	16201.3	15277.1	15018.8	14302.1	14927.9	15175.3	17372.8
65°	13334.3	13439.8	14989.7	16266.8	17325.5	17121.7	16972.6	15888.4	16714.3	16692.4	18671.7
67.5°	12271.9	12570.3	14564.0	16707.0	18999.1	19370.2	19322.9	18118.6	18165.9	17703.9	19250.1
70°	10798.4	10696.5	12763.1	16248.6	19835.9	22037.1	22026.1	19777.7	19472.1	17925.8	17591.1
72°	8295.3	8182.5	9881.6	13952.8	19395.7	23103.1	23430.5	20927.4	19457.5	17005.3	14531.3
72.5°	7531.2	7433.0	9124.8	13134.2	18908.1	23379.6	23226.8	20971.0	19304.7	16572.4	13574.4
75°	3467.3	3354.5	4558.8	8040.6	14749.6	20716.4	21236.6	19624.9	16859.8	13192.4	8131.6
77.5°	1033.3	1000.5	1466.2	3245.3	8571.8	15262.6	15462.7	14807.8	11769.8	7225.6	3016.1
80°	574.8	578.5	756.8	1215.2	3769.3	8822.8	9543.2	9146.6	5774.0	2386.7	1004.2
82.5°	320.2	338.4	473.0	720.4	1731.8	4049.4	4358.7	4202.2	2088.4	1120.6	549.4
85°	167.4	174.6	247.4	385.7	982.3	1280.7	1317.1	1411.7	1084.2	764.0	294.7
87.5°	65.5	65.5	91.0	160.1	363.8	396.6	356.6	433.0	622.1	494.8	145.5
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°	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6	3474.6
2.5°	3529.1	3500.0	3496.4	3449.1	3463.6	3423.6	3427.3	3420.0	3423.6	3416.3	3398.2
5°	3510.9	3489.1	3427.3	3467.3	3430.9	3481.8	3521.9	3507.3	3518.2	3514.6	3518.2
7.5°	3536.4	3507.3	3500.0	3478.2	3510.9	3532.8	3565.5	3656.5	3649.2	3660.1	3681.9
10°	3612.8	3580.1	3558.2	3591.0	3572.8	3641.9	3678.3	3725.6	3809.3	3812.9	3769.3
12.5°	3762.0	3740.2	3696.5	3703.8	3765.6	3787.4	3809.3	3838.4	3893.0	3882.0	3922.1
15°	3933.0	3885.7	3860.2	3852.9	3867.5	3893.0	3889.3	3918.4	3947.5	3973.0	3962.1
17.5°	4056.7	3994.8	4002.1	4038.5	4034.9	4027.6	3980.3	3965.7	3980.3	3994.8	3987.6
20°	4184.0	4191.3	4136.7	4104.0	4089.4	4016.7	3980.3	3936.6	3893.0	3914.8	3947.5
22.5°	4344.1	4311.4	4231.3	4133.1	4060.3	4016.7	3903.9	3827.5	3827.5	3849.3	3838.4
25°	4526.0	4456.9	4318.6	4140.4	4049.4	3863.9	3783.8	3772.9	3743.8	3776.5	3791.1
27.5°	4667.9	4606.1	4416.9	4114.9	3863.9	3714.7	3667.4	3652.8	3700.1	3703.8	3762.0
30°	4726.1	4707.9	4431.4	4049.4	3674.7	3434.5	3405.4	3470.9	3521.9	3598.3	3601.9
32.5°	4802.5	4809.8	4453.3	3896.6	3427.3	3187.1	3143.5	3223.5	3369.0	3430.9	3478.2
35°	4929.9	4966.3	4435.1	3707.4	3165.3	2936.1	2928.8	2950.6	3092.5	3201.7	3263.5
37.5°	5151.8	5144.5	4431.4	3481.8	2957.9	2717.8	2659.6	2666.9	2761.5	2852.4	2841.5
40°	5450.1	5421.0	4420.5	3187.1	2688.7	2532.2	2434.0	2397.6	2390.4	2364.9	2372.2
42.5°	5857.6	5799.4	4416.9	2888.8	2444.9	2277.6	2208.4	2113.8	2044.7	1913.7	1921.0
45°	6425.2	6323.3	4322.3	2608.6	2204.8	2066.5	1961.0	1891.9	1742.7	1579.0	1579.0
47.5°	7302.0	6970.9	4325.9	2299.4	1971.9	1859.2	1786.4	1666.3	1506.2	1375.3	1360.7
50°	8593.6	7836.9	4202.2	2055.6	1782.8	1706.4	1629.9	1491.7	1338.9	1247.9	1258.8
52.5°	10260.0	9128.4	4198.6	1837.3	1633.6	1579.0	1495.3	1371.6	1258.8	1200.6	1178.8
55°	12246.5	10838.4	4329.6	1659.1	1480.8	1451.7	1415.3	1313.4	1204.3	1153.3	1149.7
57.5°	14280.3	12508.4	4540.6	1531.7	1349.8	1371.6	1346.2	1266.1	1178.8	1120.6	1113.3
60°	16088.5	13832.7	4114.9	1378.9	1233.4	1280.7	1317.1	1247.9	1200.6	1197.0	1171.5
62.5°	17452.8	14400.3	3128.9	1262.5	1171.5	1258.8	1357.1	1400.7	1378.9	1408.0	1411.7
65°	17951.3	14058.3	2153.9	1200.6	1124.2	1309.8	1528.1	1513.5	1386.2	1331.6	1360.7
67.5°	17252.7	12672.1	1597.2	1127.9	1091.5	1415.3	1626.3	1444.4	1251.6	1244.3	1222.5
70°	14836.9	10740.2	1302.5	1051.5	1036.9	1357.1	1582.7	1338.9	1178.8	1131.5	1109.7
72°	11820.8	8364.4	1142.4	996.9	949.6	1211.5	1480.8	1255.2	1117.0	1058.7	1033.3
72.5°	10791.1	7753.2	1120.6	971.4	931.4	1178.8	1429.8	1229.7	1102.4	1051.5	1011.4
75°	5919.5	3969.4	986.0	891.4	785.9	1018.7	1324.3	1153.3	1040.5	967.8	960.5
77.5°	2201.2	1539.0	851.4	789.5	680.4	880.5	1204.3	1095.1	946.0	855.0	836.8
80°	844.1	811.3	694.9	665.8	571.2	771.3	1109.7	982.3	804.1	713.1	684.0
82.5°	513.0	473.0	527.6	520.3	436.6	702.2	1044.2	920.5	713.1	578.5	560.3
85°	280.1	280.1	367.5	352.9	305.6	560.3	789.5	611.2	451.1	371.1	378.4
87.5°	123.7	145.5	196.5	185.6	167.4	316.5	385.7	323.8	225.6	152.8	163.7
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)