

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: P478026

Luminaire Tested: **IFLD-L-SA7B-722-U-T4FT**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478026
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-722-U-T4FT
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

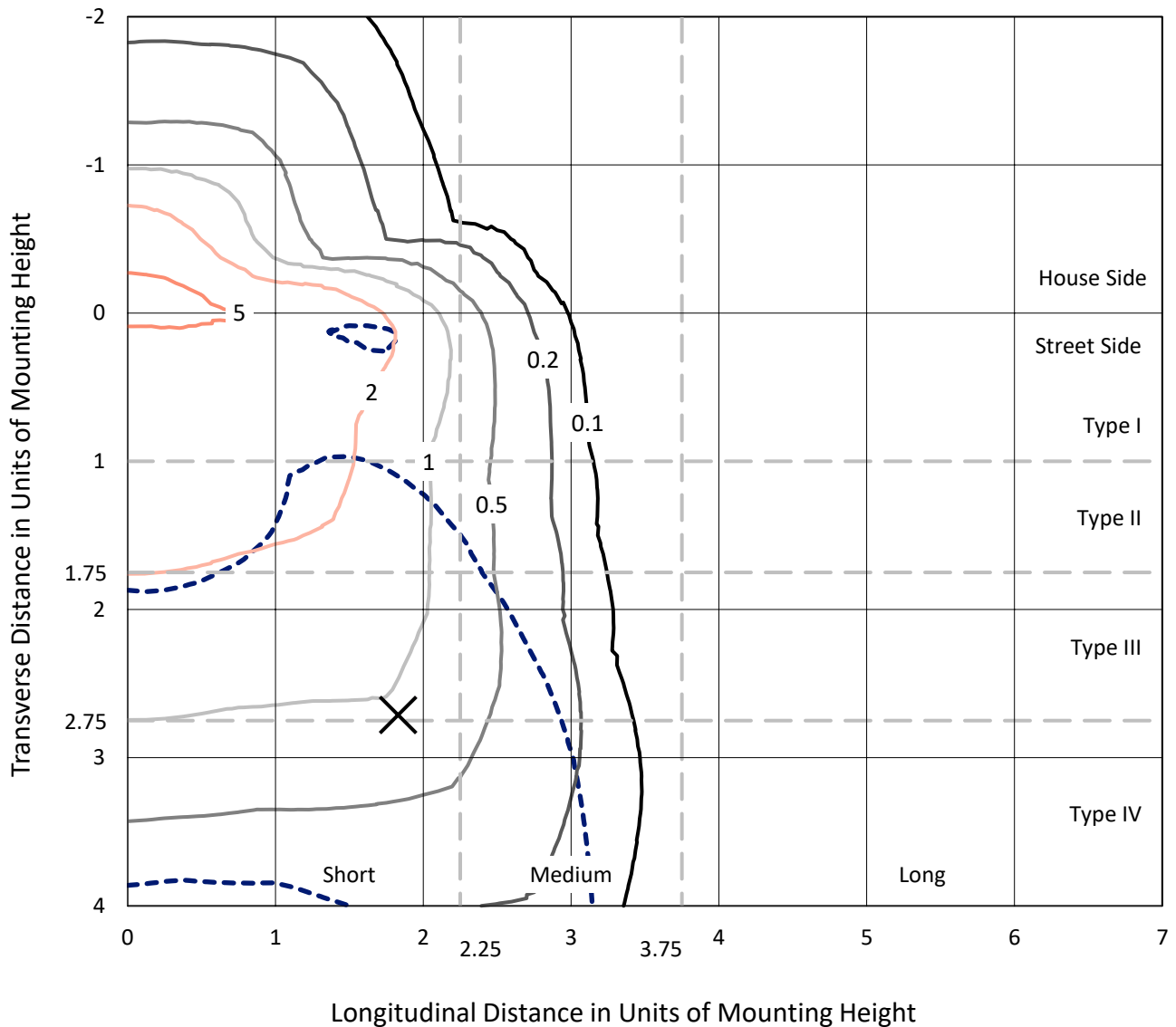
Lumens per Lamp: N/A
Luminaire Lumens: 26874.3 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 281
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

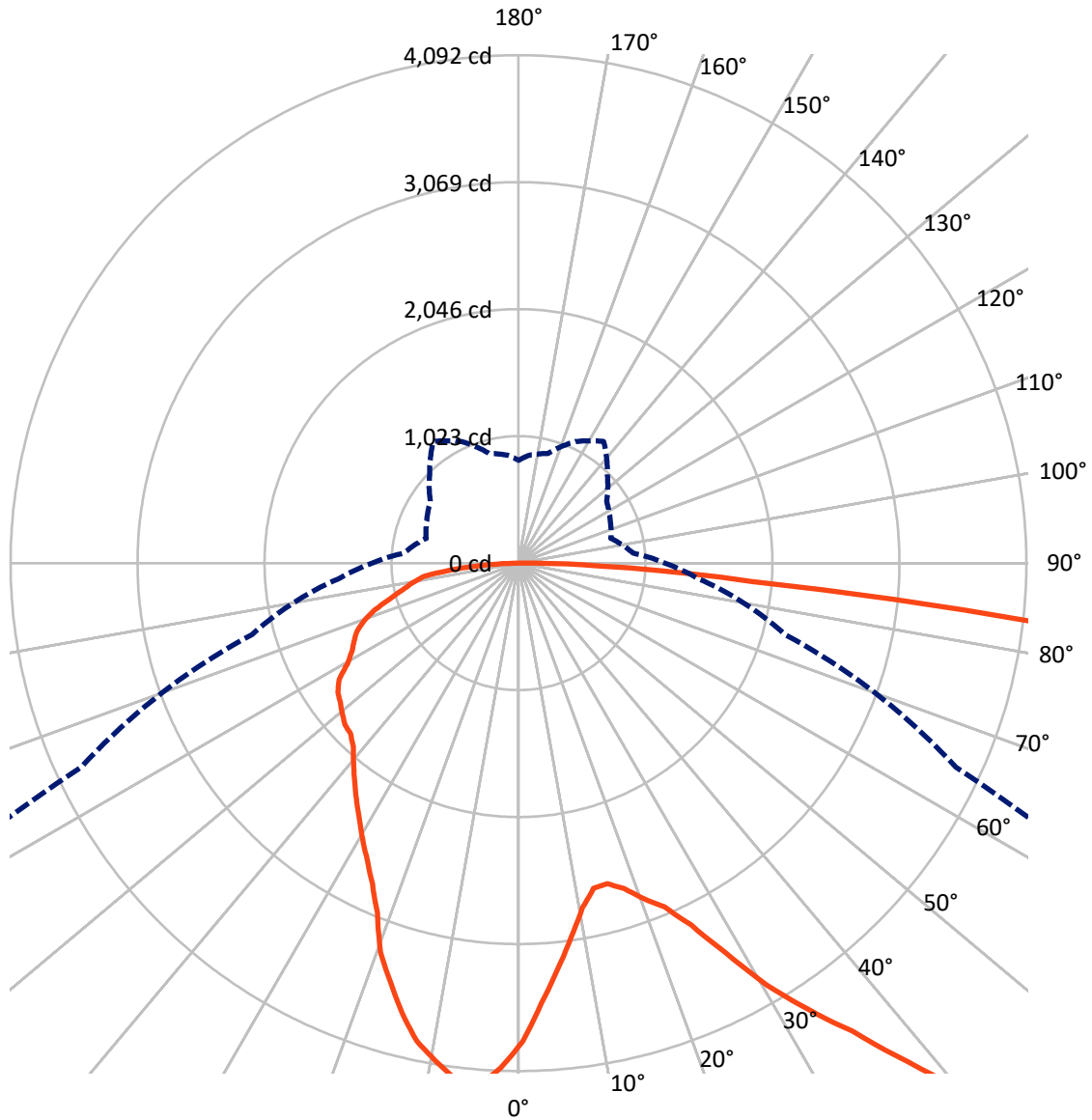
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5805.2	0.0	5805.2
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	21069.1	0.0	21069.1
	% Fixture	78.4	0.0	78.4
Total	Lumens	26874.3	0.0	26874.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.6	1.3
10°-20°	995.2	3.7
20°-30°	1637.9	6.1
30°-40°	2449.5	9.1
40°-50°	3631.3	13.5
50°-60°	5233.0	19.5
60°-70°	6678.0	24.8
70°-80°	5196.6	19.3
80°-90°	697.2	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°	26874.3	100.0
0°-180°	26874.3	100.0

Coefficient of Utilization



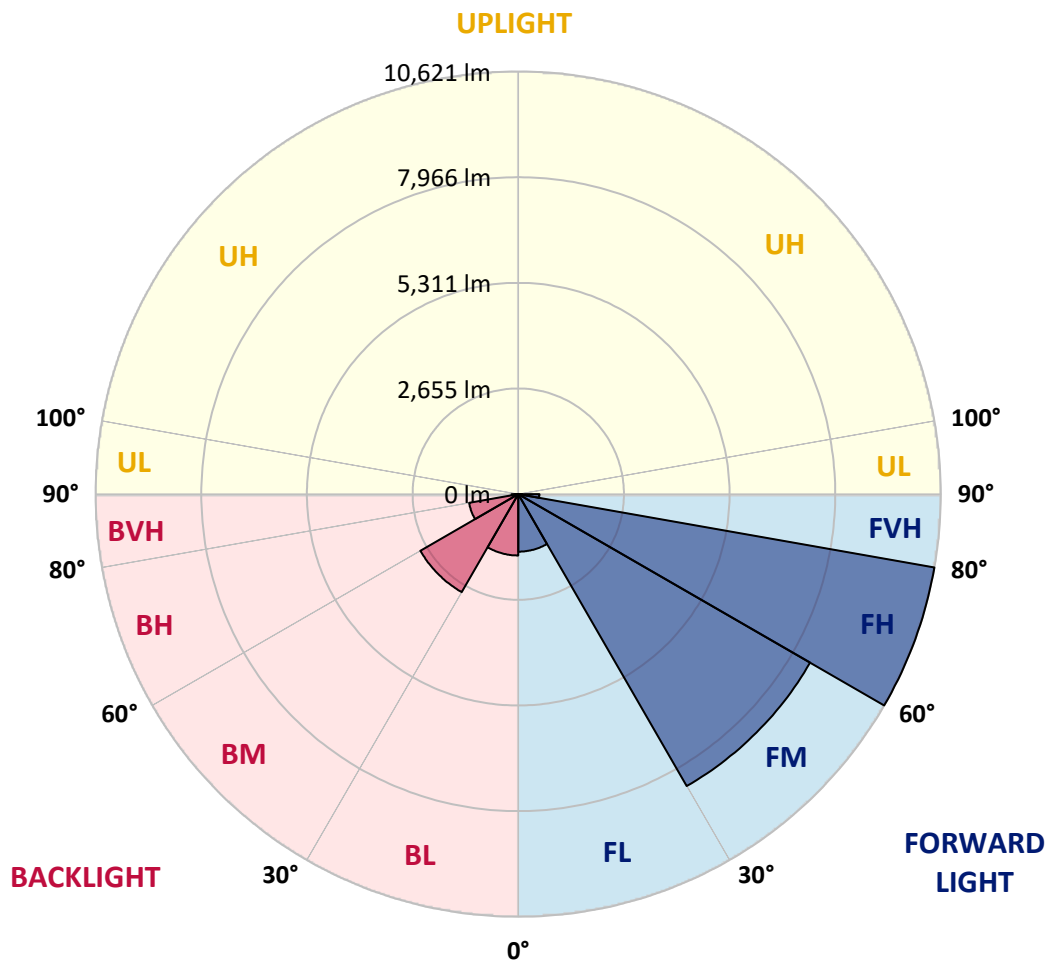
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1446.3	5.4			
FM (30°-60°)	8471.0	31.5			
FH (60°-80°)	10621.2	39.5			G4/12000
FVH (80°-90°)	530.7	2.0			G4/750
BL (0°-30°)	1542.4	5.7	B3/2500		
BM (30°-60°)	2842.8	10.6	B3/5000		
BH (60°-80°)	1253.5	4.7	B3/2500		G3/2500
BVH (80°-90°)	166.5	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9
2.5°	3452.2	3463.6	3500.5	3509.1	3548.8	3526.1	3574.4	3659.6	3707.9	3779.0	3864.2
5°	3179.5	3131.2	3153.9	3242.0	3287.4	3298.8	3349.9	3494.8	3585.8	3690.9	3850.0
7.5°	2858.4	2849.9	2895.3	2952.2	3043.1	3051.6	3165.3	3293.1	3480.6	3713.6	3901.2
10°	2639.6	2676.5	2702.1	2761.8	2824.3	2824.3	2969.2	3190.8	3403.9	3628.4	3912.5
12.5°	2628.2	2605.5	2611.2	2642.4	2687.9	2744.7	2881.1	3080.0	3349.9	3611.3	3960.8
15°	2665.2	2673.7	2622.6	2662.3	2679.4	2699.3	2849.9	3074.3	3315.8	3671.0	4043.2
17.5°	2861.2	2812.9	2733.4	2696.4	2756.1	2756.1	2858.4	3034.5	3321.5	3702.3	4162.6
20°	3014.7	3014.7	2884.0	2844.2	2886.8	2878.3	2949.3	3080.0	3349.9	3764.8	4296.1
22.5°	3273.2	3310.2	3094.2	3011.8	3009.0	3031.7	3094.2	3205.0	3429.5	3852.9	4424.0
25°	3645.4	3654.0	3403.9	3318.7	3227.8	3264.7	3276.1	3386.9	3500.5	3955.1	4568.9
27.5°	4060.3	4054.6	3824.4	3611.3	3551.7	3560.2	3497.7	3571.6	3605.7	3986.4	4776.3
30°	4520.6	4469.4	4296.1	3994.9	3946.6	3892.6	3756.2	3753.4	3824.4	4162.6	5063.3
32.5°	4821.8	4756.4	4637.1	4421.1	4287.6	4293.3	4077.3	4074.5	4012.0	4355.8	5313.3
35°	5117.3	5017.8	4986.5	4764.9	4631.4	4645.6	4472.3	4449.5	4335.9	4648.4	5725.3
37.5°	5472.4	5384.3	5432.6	5265.0	5100.2	5032.0	4952.5	4924.0	4776.3	5060.4	6287.9
40°	5864.5	5836.1	5804.9	5722.5	5623.0	5628.7	5543.5	5515.0	5296.3	5557.7	6827.7
42.5°	6393.0	6285.0	6123.1	6177.1	6228.2	6282.2	6253.8	6179.9	5952.6	6063.4	7430.1
45°	6884.6	6742.5	6444.2	6461.2	6671.5	6714.1	7057.9	7049.4	6591.9	6705.6	8114.9
47.5°	7217.0	7151.6	6972.6	6952.8	7253.9	7251.1	7870.5	7870.5	7265.3	7344.9	8850.8
50°	7711.4	7540.9	7464.2	7563.6	7717.1	7822.2	8700.2	8754.2	7927.3	8012.6	9814.0
52.5°	8291.0	8077.9	7884.7	8140.4	8413.2	8481.4	9521.3	9498.6	8435.9	8788.3	10942.0
55°	8771.2	8663.2	8529.7	8677.4	9123.5	9208.8	10345.3	10135.1	8944.5	9430.4	11484.7
57.5°	9331.0	9396.3	9424.7	9387.8	9919.1	10052.7	11285.8	10683.4	9382.1	9862.3	11802.9
60°	10174.8	10214.6	10251.5	10339.6	10902.2	11089.7	12030.2	11371.0	9657.7	10112.3	11828.5
62.5°	11459.1	11305.7	11388.1	11692.1	12143.9	12357.0	13127.0	11854.1	9868.0	10262.9	10993.1
65°	12928.1	12720.7	12635.4	13027.5	14198.2	14027.7	14496.5	12214.9	9563.9	9700.3	9322.4
67.5°	14417.0	14439.7	14220.9	15007.9	16442.8	16442.8	15769.4	12388.2	8740.0	7862.0	6537.9
70°	15598.9	15670.0	15789.3	17315.1	19588.2	19932.0	17346.4	11677.9	7060.7	5233.7	3574.4
72.5°	15581.9	15368.8	15979.7	18789.8	22446.6	22159.6	17676.0	9234.3	4406.9	2562.9	1639.5
73°	15232.4	15053.4	15721.1	18775.6	22563.1	22293.1	17434.5	8512.6	3887.0	2221.9	1457.6
75°	12439.4	12115.5	13252.0	17005.4	20875.3	21082.7	14811.9	5552.0	2131.0	1369.5	1025.7
77.5°	5671.3	5813.4	7293.7	11408.0	16087.7	16332.0	9737.3	2400.9	1167.8	960.4	755.8
80°	1821.3	1912.2	2838.5	5671.3	10083.9	10524.3	4500.7	1091.1	832.5	735.9	565.4
82.5°	696.1	693.3	1190.5	2358.3	4779.1	5060.4	1645.1	664.9	619.4	542.7	400.6
85°	244.4	255.7	448.9	932.0	1881.0	1969.0	571.1	369.4	429.0	363.7	230.1
87.5°	85.2	88.1	159.1	338.1	647.8	684.8	159.1	147.7	213.1	210.3	116.5
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°	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9	3852.9
2.5°	3892.6	3918.2	3926.7	4029.0	4029.0	4029.0	4068.8	4068.8	4057.4	4029.0	4097.2
5°	3909.7	3955.1	4043.2	4131.3	4154.0	4173.9	4227.9	4182.5	4199.5	4171.1	4196.7
7.5°	3958.0	4020.5	4185.3	4239.3	4202.3	4245.0	4188.1	4156.9	4125.6	4137.0	4097.2
10°	4040.4	4119.9	4196.7	4296.1	4225.1	4182.5	4066.0	4037.5	3938.1	3904.0	3935.3
12.5°	4142.7	4239.3	4370.0	4333.0	4196.7	4074.5	3949.5	3830.1	3770.5	3685.2	3707.9
15°	4245.0	4355.8	4375.7	4313.2	4142.7	3989.2	3761.9	3594.3	3534.6	3457.9	3497.7
17.5°	4355.8	4460.9	4426.8	4264.8	4034.7	3801.7	3543.1	3378.4	3253.3	3205.0	3205.0
20°	4520.6	4571.7	4517.7	4185.3	3904.0	3597.1	3347.1	3159.6	3034.5	3014.7	2983.4
22.5°	4648.4	4730.8	4489.3	4068.8	3713.6	3330.0	3043.1	2972.0	2935.1	2903.8	2864.1
25°	4813.2	4810.4	4438.2	3960.8	3386.9	3011.8	2838.5	2832.8	2815.8	2804.4	2858.4
27.5°	4969.5	4904.1	4378.5	3693.7	3048.8	2770.3	2676.5	2739.1	2764.6	2747.6	2770.3
30°	5216.7	5108.7	4293.3	3409.6	2750.4	2525.9	2543.0	2628.2	2670.9	2696.4	2662.3
32.5°	5478.1	5313.3	4117.1	3114.1	2486.2	2372.5	2412.3	2500.4	2551.5	2579.9	2611.2
35°	5856.0	5472.4	3938.1	2727.7	2295.8	2278.8	2301.5	2349.8	2423.7	2443.6	2452.1
37.5°	6322.0	5713.9	3696.6	2418.0	2148.1	2167.9	2190.7	2207.7	2210.6	2247.5	2233.3
40°	6788.0	5918.5	3344.3	2122.5	1994.6	2102.6	2091.2	2060.0	2034.4	2000.3	1991.8
42.5°	7197.1	6097.5	2952.2	1872.4	1858.2	2034.4	1997.5	1917.9	1858.2	1832.7	1790.0
45°	7657.4	6350.4	2557.2	1716.2	1753.1	1952.0	1940.6	1818.5	1741.7	1650.8	1639.5
47.5°	8254.1	6614.6	2179.3	1554.2	1653.7	1920.7	1926.4	1770.2	1659.3	1537.2	1520.1
50°	9018.4	6995.4	1892.3	1486.0	1594.0	1875.3	1883.8	1704.8	1559.9	1434.9	1423.5
52.5°	9751.5	7384.6	1653.7	1380.9	1554.2	1821.3	1841.2	1645.1	1477.5	1321.2	1329.7
55°	10120.8	7242.6	1449.1	1304.2	1463.3	1733.2	1807.1	1602.5	1352.5	1244.5	1241.7
57.5°	10203.2	6893.1	1287.1	1224.6	1386.6	1639.5	1750.3	1474.7	1295.7	1204.7	1193.4
60°	9933.3	6282.2	1159.3	1139.4	1290.0	1542.8	1619.6	1406.5	1238.8	1164.9	1147.9
62.5°	9268.4	5648.6	1071.2	1099.6	1207.6	1437.7	1537.2	1358.2	1184.8	1133.7	1096.8
65°	7600.6	4645.6	1000.2	1022.9	1122.3	1335.4	1486.0	1304.2	1136.5	1088.2	1085.4
67.5°	5265.0	3202.2	943.3	985.9	1054.1	1261.6	1434.9	1244.5	1074.0	1057.0	1034.2
70°	2696.4	1707.6	869.4	903.5	980.3	1167.8	1344.0	1182.0	1008.7	1005.8	977.4
72.5°	1366.7	1000.2	784.2	835.4	889.3	1045.6	1230.3	1099.6	926.3	895.0	849.6
73°	1182.0	926.3	770.0	815.5	866.6	1011.5	1196.2	1079.7	914.9	869.4	826.8
75°	860.9	730.2	690.4	735.9	775.7	912.1	1082.5	988.8	841.0	792.7	753.0
77.5°	645.0	562.6	574.0	625.1	659.2	787.1	963.2	895.0	761.5	696.1	679.1
80°	474.5	429.0	474.5	522.8	548.4	693.3	878.0	775.7	642.1	568.3	554.1
82.5°	338.1	312.5	366.5	397.8	409.2	574.0	789.9	619.4	485.9	389.3	358.0
85°	193.2	190.4	247.2	244.4	252.9	335.3	520.0	412.0	312.5	238.7	233.0
87.5°	85.2	93.8	125.0	99.4	105.1	159.1	221.6	153.4	127.9	71.0	54.0
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)