

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: P478027

Luminaire Tested: **IFLD-L-SA7C-722-U-T4FT**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478027
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-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

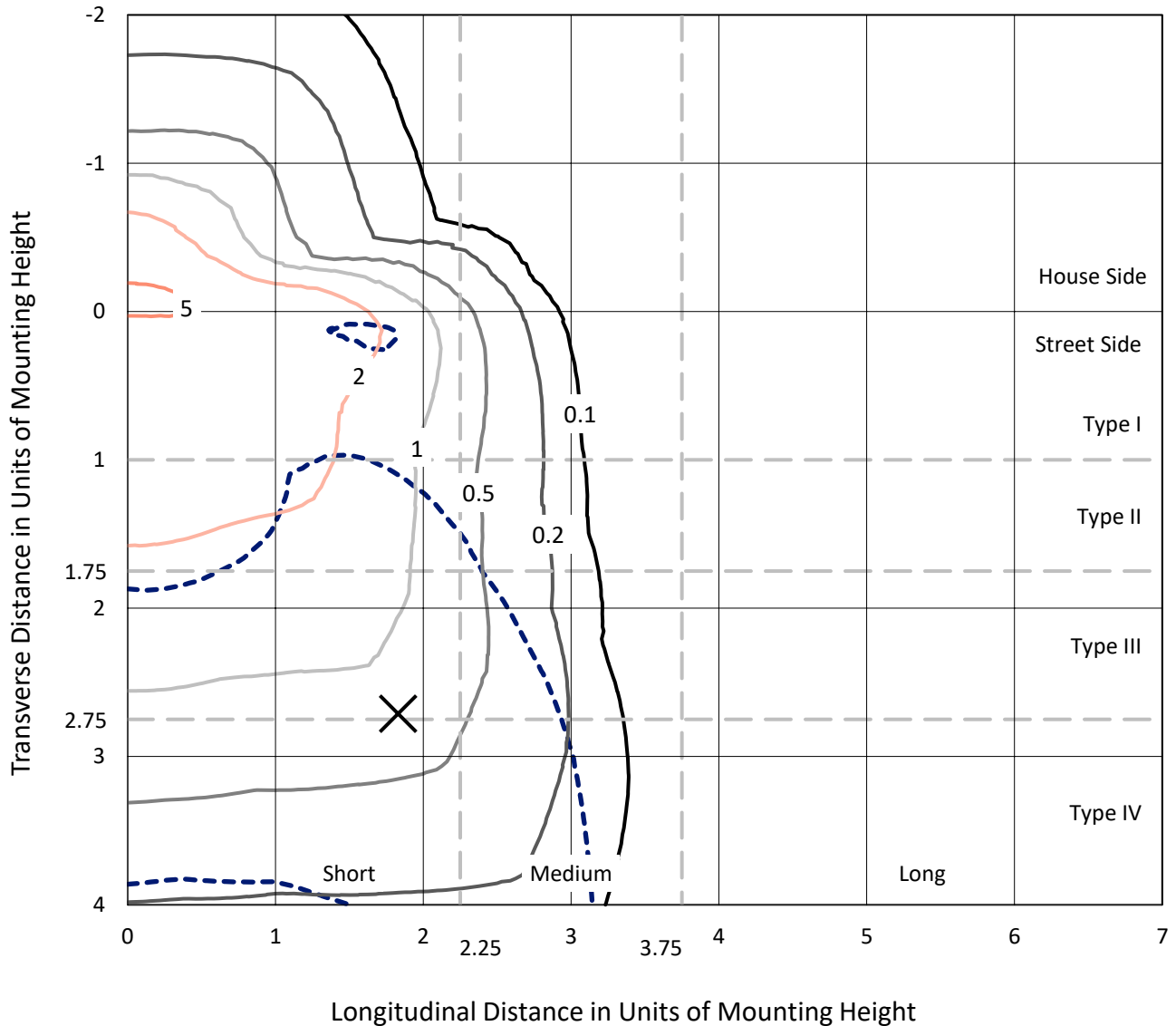
Lumens per Lamp: N/A
Luminaire Lumens: 33453.9 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 369
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

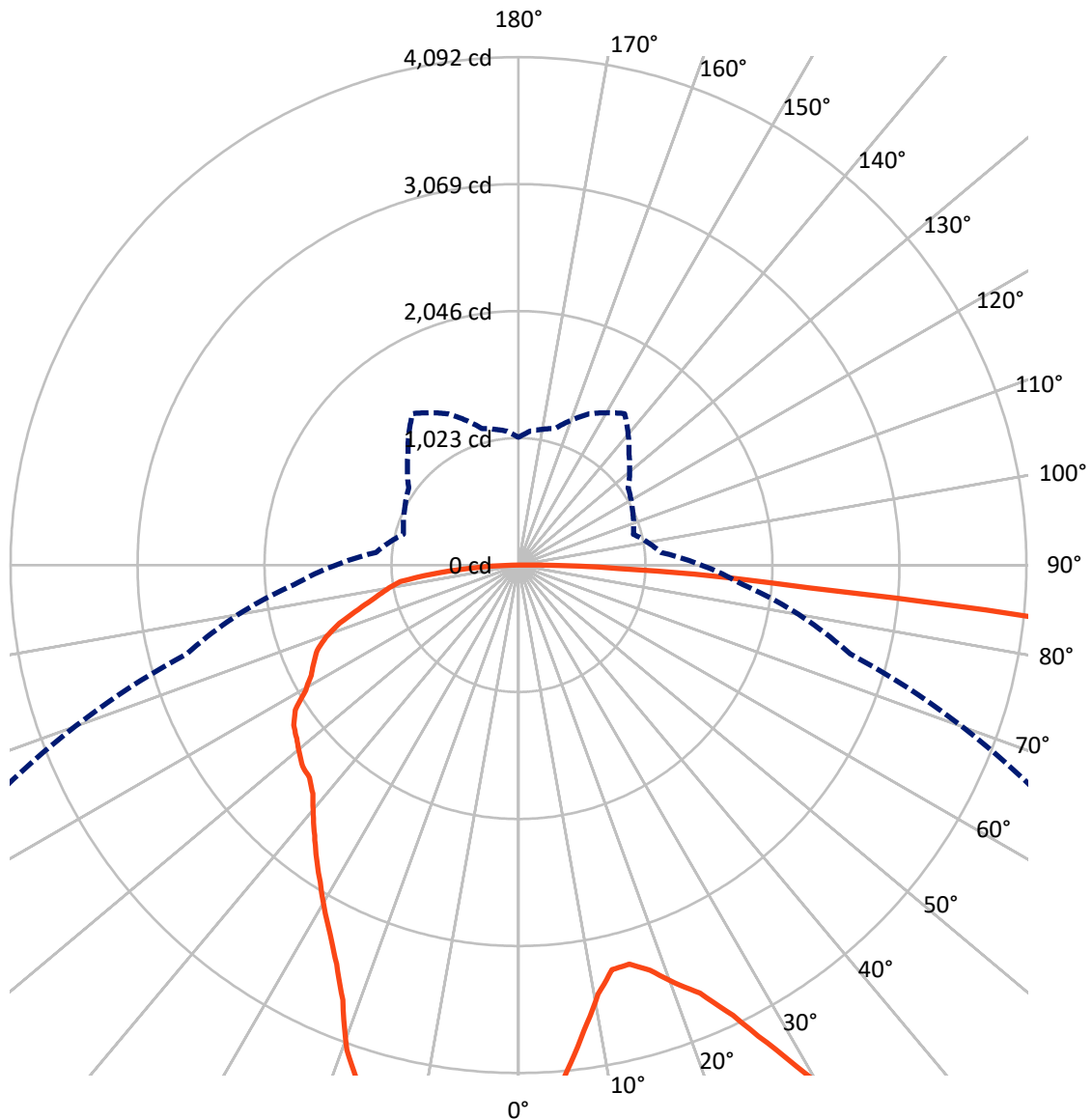
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.6 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	7226.5	0.0	7226.5
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	26227.4	0.0	26227.4
	% Fixture	78.4	0.0	78.4
Total	Lumens	33453.9	0.0	33453.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.7	1.3
10°-20°	1238.8	3.7
20°-30°	2038.9	6.1
30°-40°	3049.2	9.1
40°-50°	4520.3	13.5
50°-60°	6514.2	19.5
60°-70°	8313.0	24.8
70°-80°	6468.9	19.3
80°-90°	867.8	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°	33453.9	100.0
0°-180°	33453.9	100.0

Coefficient of Utilization



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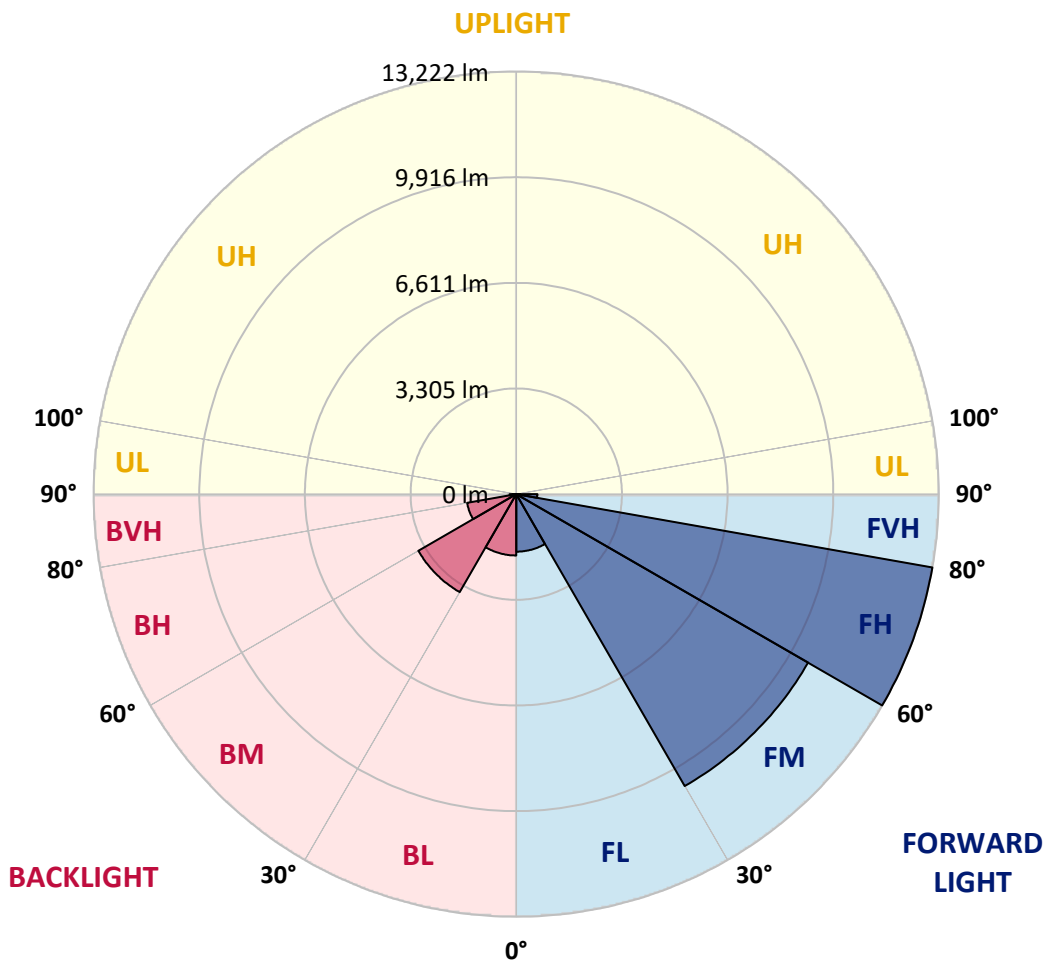
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1800.4	5.4			
FM (30°-60°)	10544.9	31.5			
FH (60°-80°)	13221.6	39.5			G5
FVH (80°-90°)	660.6	2.0			G4/750
BL (0°-30°)	1920.0	5.7	B3/2500		
BM (30°-60°)	3538.8	10.6	B3/5000		
BH (60°-80°)	1560.4	4.7	B3/2500		G3/2500
BVH (80°-90°)	207.3	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-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1
2.5°	4297.4	4311.6	4357.6	4368.2	4417.7	4389.4	4449.5	4555.6	4615.7	4704.2	4810.3
5°	3957.9	3897.7	3926.0	4035.7	4092.3	4106.4	4170.1	4350.5	4463.7	4594.5	4792.6
7.5°	3558.2	3547.6	3604.2	3674.9	3788.1	3798.7	3940.2	4099.4	4332.8	4622.8	4856.3
10°	3285.8	3331.8	3363.7	3437.9	3515.8	3515.8	3696.1	3972.0	4237.3	4516.7	4870.4
12.5°	3271.7	3243.4	3250.5	3289.4	3346.0	3416.7	3586.5	3834.1	4170.1	4495.5	4930.5
15°	3317.7	3328.3	3264.6	3314.1	3335.4	3360.1	3547.6	3827.0	4127.6	4569.8	5033.1
17.5°	3561.7	3501.6	3402.6	3356.6	3430.9	3430.9	3558.2	3777.5	4134.7	4608.7	5181.7
20°	3752.7	3752.7	3590.0	3540.5	3593.6	3583.0	3671.4	3834.1	4170.1	4686.5	5347.9
22.5°	4074.6	4120.6	3851.8	3749.2	3745.7	3774.0	3851.8	3989.7	4269.1	4796.1	5507.1
25°	4537.9	4548.5	4237.3	4131.2	4018.0	4064.0	4078.1	4216.1	4357.6	4923.5	5687.5
27.5°	5054.3	5047.3	4760.8	4495.5	4421.2	4431.8	4354.0	4446.0	4488.4	4962.4	5945.7
30°	5627.3	5563.7	5347.9	4973.0	4912.9	4845.7	4675.9	4672.3	4760.8	5181.7	6302.9
32.5°	6002.2	5920.9	5772.3	5503.5	5337.3	5344.4	5075.6	5072.0	4994.2	5422.2	6614.1
35°	6370.1	6246.3	6207.4	5931.5	5765.3	5783.0	5567.2	5538.9	5397.4	5786.5	7127.0
37.5°	6812.2	6702.6	6762.7	6554.0	6348.9	6264.0	6164.9	6129.6	5945.7	6299.3	7827.3
40°	7300.3	7264.9	7226.0	7123.5	6999.7	7006.7	6900.6	6865.3	6592.9	6918.3	8499.3
42.5°	7958.2	7823.8	7622.2	7689.4	7753.0	7820.2	7784.9	7692.9	7410.0	7547.9	9249.2
45°	8570.1	8393.2	8021.9	8043.1	8304.8	8357.9	8785.8	8775.2	8205.8	8347.3	10101.6
47.5°	8983.9	8902.6	8679.7	8655.0	9029.9	9026.4	9797.4	9797.4	9044.0	9143.1	11017.7
50°	9599.3	9387.1	9291.6	9415.4	9606.4	9737.3	10830.2	10897.4	9868.2	9974.3	12216.7
52.5°	10320.9	10055.6	9815.1	10133.4	10473.0	10557.9	11852.4	11824.1	10501.3	10939.9	13620.9
55°	10918.6	10784.2	10618.0	10801.9	11357.2	11463.3	12878.1	12616.4	11134.4	11739.2	14296.4
57.5°	11615.4	11696.8	11732.1	11686.2	12347.6	12513.8	14048.9	13299.0	11679.1	12276.8	14692.6
60°	12665.9	12715.4	12761.4	12871.0	13571.4	13804.8	14975.5	14155.0	12022.2	12588.1	14724.4
62.5°	14264.6	14073.6	14176.2	14554.6	15117.0	15382.3	16340.8	14756.3	12283.9	12775.5	13684.5
65°	16093.2	15835.0	15728.9	16217.0	17674.3	17462.0	18045.6	15205.4	11905.5	12075.2	11604.8
67.5°	17946.6	17974.9	17702.5	18682.3	20468.5	20468.5	19630.2	15421.2	10879.7	9786.8	8138.6
70°	19418.0	19506.4	19655.0	21554.3	24383.9	24811.9	21593.2	14537.0	8789.4	6515.1	4449.5
72.5°	19396.8	19131.5	19891.9	23390.0	27942.1	27584.9	22003.5	11495.2	5485.8	3190.3	2040.8
73°	18961.7	18738.9	19570.1	23372.3	28087.1	27751.1	21702.9	10596.8	4838.6	2765.9	1814.5
75°	15484.9	15081.7	16496.4	21168.8	25986.1	26244.3	18438.2	6911.2	2652.7	1704.8	1276.8
77.5°	7059.8	7236.6	9079.4	14200.9	20026.3	20330.5	12121.2	2988.7	1453.7	1195.5	940.8
80°	2267.2	2380.4	3533.4	7059.8	12552.7	13100.9	5602.6	1358.2	1036.3	916.1	703.9
82.5°	866.6	863.0	1482.0	2935.7	5949.2	6299.3	2047.9	827.7	771.1	675.6	498.7
85°	304.2	318.3	558.8	1160.1	2341.5	2451.1	710.9	459.8	534.1	452.7	286.5
87.5°	106.1	109.6	198.1	420.9	806.4	852.4	198.1	183.9	265.3	261.7	145.0
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°	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1	4796.1
2.5°	4845.7	4877.5	4888.1	5015.4	5015.4	5015.4	5064.9	5064.9	5050.8	5015.4	5100.3
5°	4866.9	4923.5	5033.1	5142.8	5171.1	5195.8	5263.0	5206.4	5227.6	5192.3	5224.1
7.5°	4927.0	5004.8	5210.0	5277.2	5231.2	5284.2	5213.5	5174.6	5135.7	5149.8	5100.3
10°	5029.6	5128.6	5224.1	5347.9	5259.5	5206.4	5061.4	5026.0	4902.2	4859.8	4898.7
12.5°	5156.9	5277.2	5439.9	5393.9	5224.1	5072.0	4916.4	4767.8	4693.6	4587.5	4615.7
15°	5284.2	5422.2	5446.9	5369.1	5156.9	4965.9	4683.0	4474.3	4400.0	4304.5	4354.0
17.5°	5422.2	5553.0	5510.6	5309.0	5022.5	4732.5	4410.6	4205.5	4049.8	3989.7	3989.7
20°	5627.3	5691.0	5623.8	5210.0	4859.8	4477.8	4166.6	3933.1	3777.5	3752.7	3713.8
22.5°	5786.5	5889.1	5588.4	5064.9	4622.8	4145.3	3788.1	3699.7	3653.7	3614.8	3565.3
25°	5991.6	5988.1	5524.8	4930.5	4216.1	3749.2	3533.4	3526.4	3505.1	3491.0	3558.2
27.5°	6186.2	6104.8	5450.5	4598.1	3795.2	3448.5	3331.8	3409.6	3441.5	3420.3	3448.5
30°	6493.9	6359.5	5344.4	4244.4	3423.8	3144.4	3165.6	3271.7	3324.8	3356.6	3314.1
32.5°	6819.3	6614.1	5125.1	3876.5	3094.9	2953.4	3002.9	3112.5	3176.2	3211.6	3250.5
35°	7289.7	6812.2	4902.2	3395.5	2857.9	2836.7	2864.9	2925.1	3017.0	3041.8	3052.4
37.5°	7869.8	7112.9	4601.6	3010.0	2674.0	2698.7	2727.0	2748.2	2751.8	2797.7	2780.1
40°	8449.8	7367.5	4163.0	2642.1	2483.0	2617.4	2603.2	2564.3	2532.5	2490.0	2479.4
42.5°	8959.2	7590.3	3674.9	2330.9	2313.2	2532.5	2486.5	2387.5	2313.2	2281.3	2228.3
45°	9532.1	7905.1	3183.3	2136.3	2182.3	2429.9	2415.8	2263.7	2168.2	2055.0	2040.8
47.5°	10274.9	8234.1	2712.9	1934.7	2058.5	2391.0	2398.1	2203.5	2065.6	1913.5	1892.3
50°	11226.4	8708.0	2355.6	1849.8	1984.2	2334.4	2345.0	2122.2	1941.8	1786.2	1772.0
52.5°	12138.9	9192.6	2058.5	1719.0	1934.7	2267.2	2292.0	2047.9	1839.2	1644.7	1655.3
55°	12598.7	9015.7	1803.9	1623.5	1821.5	2157.6	2249.5	1994.9	1683.6	1549.2	1545.7
57.5°	12701.3	8580.7	1602.2	1524.4	1726.0	2040.8	2178.8	1835.7	1612.9	1499.7	1485.5
60°	12365.3	7820.2	1443.1	1418.3	1605.8	1920.6	2016.1	1750.8	1542.1	1450.2	1428.9
62.5°	11537.6	7031.5	1333.4	1368.8	1503.2	1789.7	1913.5	1690.7	1474.9	1411.3	1365.3
65°	9461.4	5783.0	1245.0	1273.3	1397.1	1662.4	1849.8	1623.5	1414.8	1354.7	1351.1
67.5°	6554.0	3986.2	1174.3	1227.3	1312.2	1570.4	1786.2	1549.2	1337.0	1315.8	1287.5
70°	3356.6	2125.7	1082.3	1124.8	1220.3	1453.7	1673.0	1471.4	1255.6	1252.1	1216.7
72.5°	1701.3	1245.0	976.2	1039.9	1107.1	1301.6	1531.5	1368.8	1153.1	1114.1	1057.6
73°	1471.4	1153.1	958.5	1015.1	1078.8	1259.2	1489.1	1344.0	1138.9	1082.3	1029.3
75°	1071.7	909.0	859.5	916.1	965.6	1135.4	1347.6	1230.9	1046.9	986.8	937.3
77.5°	802.9	700.3	714.5	778.1	820.6	979.7	1199.0	1114.1	947.9	866.6	845.3
80°	590.7	534.1	590.7	650.8	682.6	863.0	1092.9	965.6	799.4	707.4	689.7
82.5°	420.9	389.1	456.3	495.2	509.3	714.5	983.3	771.1	604.8	484.6	445.7
85°	240.5	237.0	307.7	304.2	314.8	417.4	647.3	512.9	389.1	297.1	290.0
87.5°	106.1	116.7	155.6	123.8	130.9	198.1	275.9	191.0	159.2	88.4	67.2
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)