

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: P318130

Luminaire Tested: **GAN-SA6C-750-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-750-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41514 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

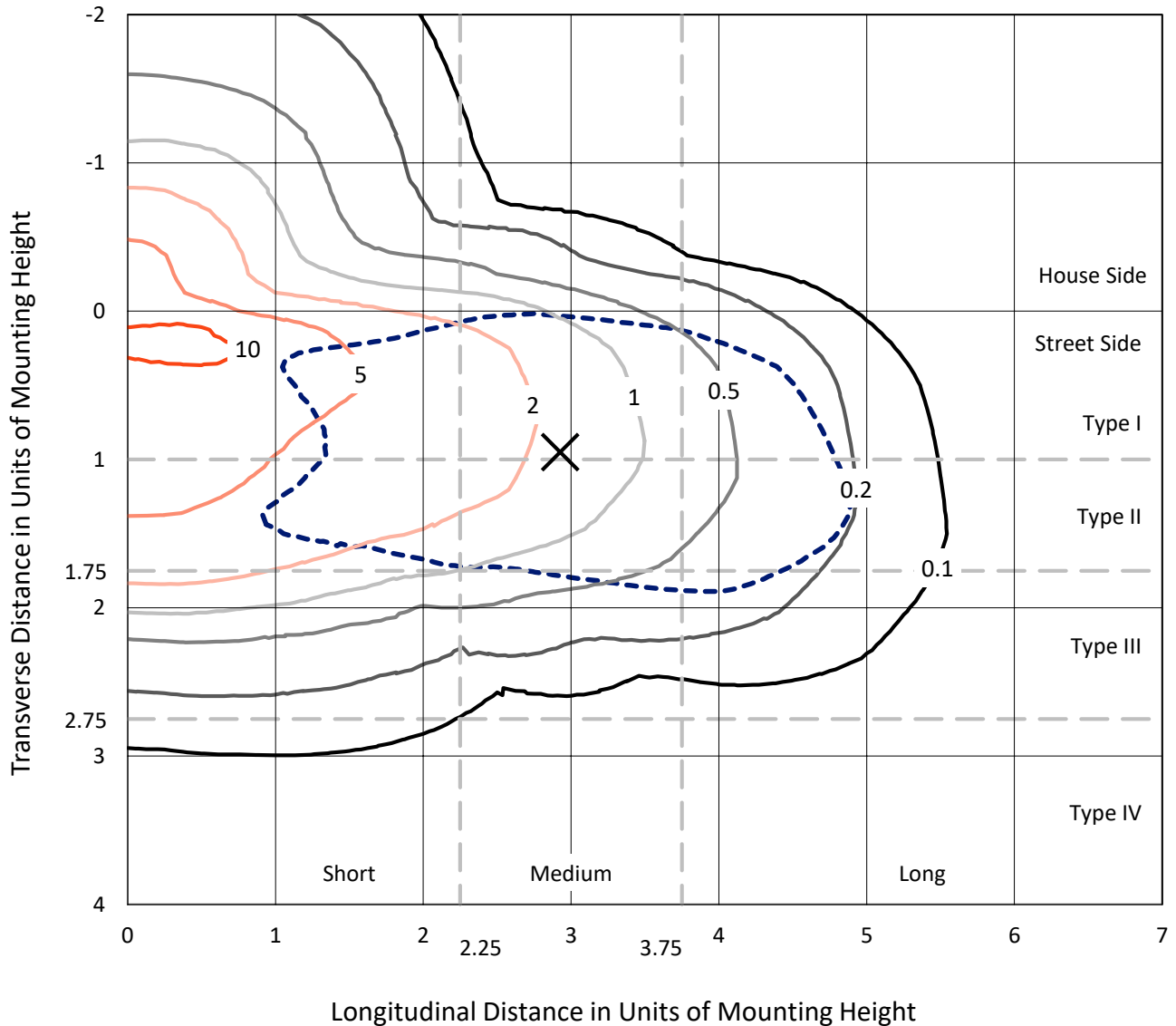
Input Watts (W): 333
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

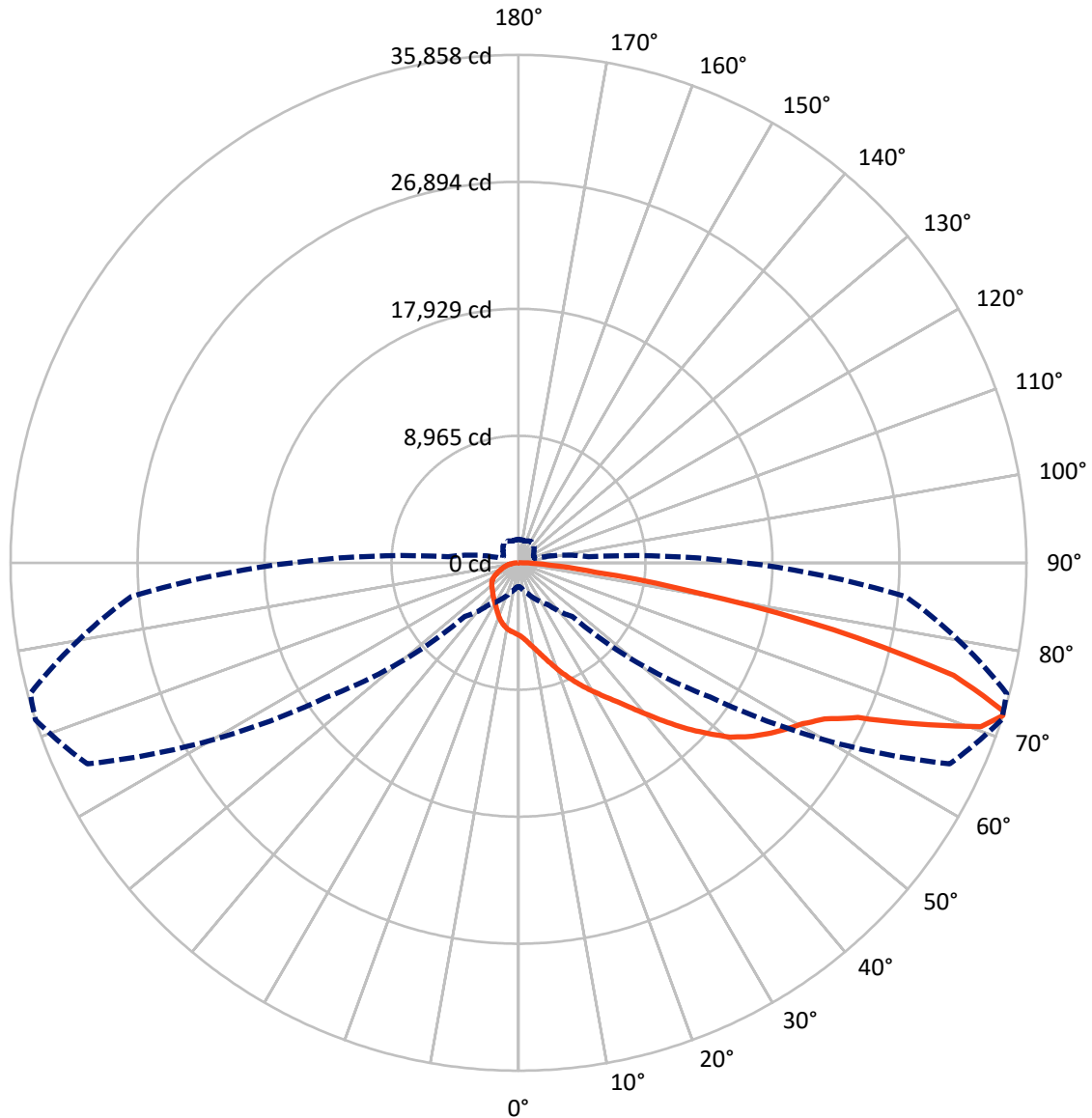
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7701.1	0.0	7701.1
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	33812.9	0.0	33812.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	41514.0	0.0	41514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.8	1.2
10°-20°	1653.8	4.0
20°-30°	2897.9	7.0
30°-40°	4296.7	10.4
40°-50°	6284.3	15.1
50°-60°	8647.2	20.8
60°-70°	9626.9	23.2
70°-80°	6523.2	15.7
80°-90°	1072.1	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°	41514.0	100.0
0°-180°	41514.0	100.0

Coefficient of Utilization

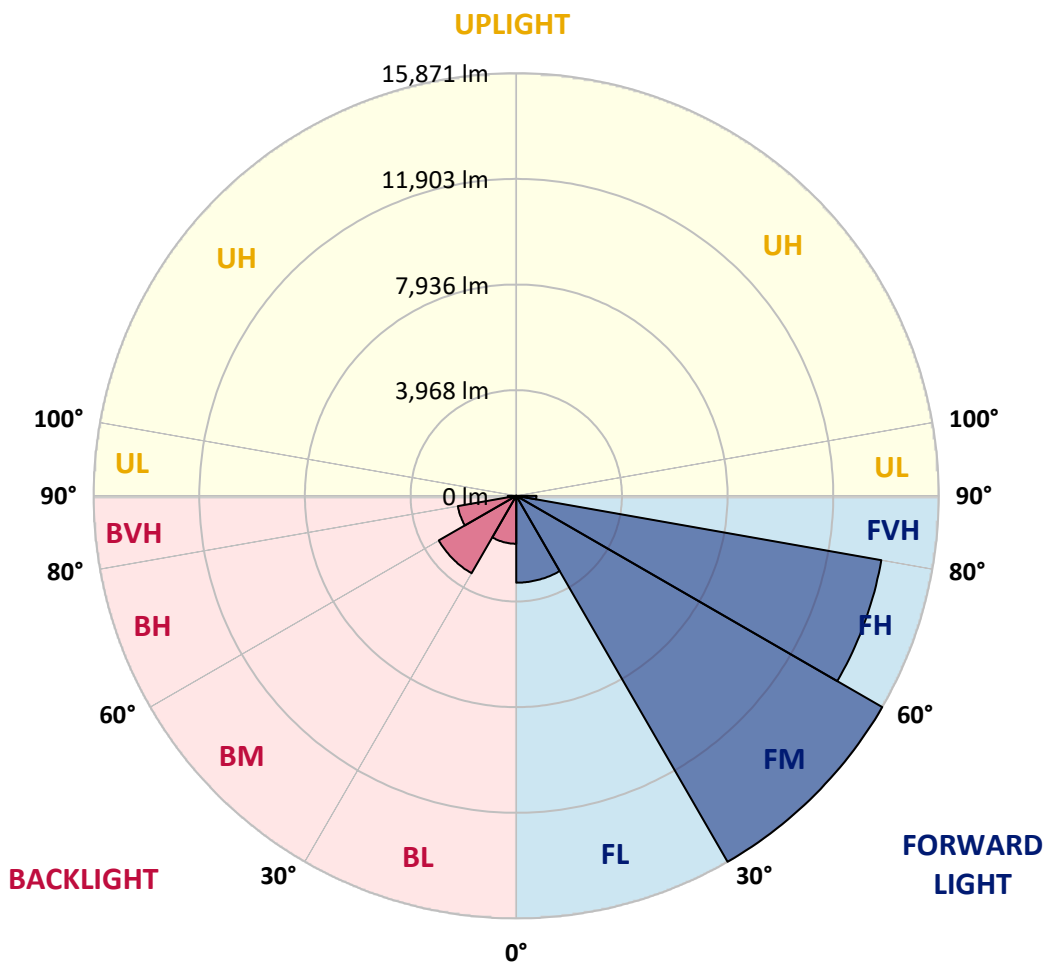


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3263.2	7.9			
FM (30°-60°)	15871.3	38.2			
FH (60°-80°)	13922.0	33.5			G5
FVH (80°-90°)	756.3	1.8			G5
BL (0°-30°)	1800.2	4.3	B3/2500		
BM (30°-60°)	3357.0	8.1	B3/5000		
BH (60°-80°)	2228.0	5.4	B3/2500		G3/2500
BVH (80°-90°)	315.9	0.8			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3
2.5°	5641.9	5633.3	5603.3	5603.3	5546.1	5497.5	5406.1	5344.6	5271.7	5246.0	5160.2
5°	6187.9	6190.8	6153.6	6127.9	6043.6	5940.7	5784.8	5643.3	5501.8	5444.6	5268.8
7.5°	6646.8	6641.1	6631.1	6609.6	6531.0	6425.2	6215.1	6005.0	5796.3	5710.5	5407.5
10°	6941.2	6954.1	6962.7	6972.7	6939.8	6864.1	6665.4	6409.5	6136.5	6019.3	5573.3
12.5°	7089.9	7112.8	7152.8	7221.4	7275.7	7267.2	7122.8	6851.2	6526.7	6379.5	5780.6
15°	7177.1	7207.1	7270.0	7392.9	7545.9	7633.1	7594.5	7348.6	6987.0	6805.5	6033.6
17.5°	7231.4	7255.7	7352.9	7517.3	7744.6	7976.1	8077.6	7871.8	7507.3	7300.0	6323.7
20°	7268.6	7287.2	7408.7	7601.6	7896.1	8264.9	8547.9	8496.5	8080.5	7811.8	6626.8
22.5°	7351.5	7367.2	7483.0	7677.4	8003.3	8479.3	9001.0	9078.2	8685.1	8380.7	6951.3
25°	7583.1	7583.1	7680.3	7816.0	8121.9	8665.1	9384.1	9725.7	9302.6	8948.1	7251.4
27.5°	8024.7	8020.5	8056.2	8103.4	8334.9	8853.8	9725.7	10297.5	9943.0	9555.6	7543.0
30°	8547.9	8576.5	8580.8	8557.9	8666.6	9089.7	10041.7	10900.7	10587.7	10170.3	7841.8
32.5°	9221.2	9239.7	9218.3	9142.5	9126.8	9424.1	10351.8	11532.5	11285.2	10812.1	8114.8
35°	10076.0	10040.2	9973.0	9818.7	9671.4	9871.6	10706.3	12164.3	12068.6	11588.3	8490.7
37.5°	10992.2	10993.6	10910.7	10560.5	10357.6	10443.3	11195.2	12880.5	13016.3	12511.7	8972.4
40°	11726.9	11765.5	11817.0	11356.7	11093.7	11212.3	11817.0	13711.0	14136.9	13606.6	9600.0
42.5°	12240.1	12284.4	12430.2	12141.5	11868.4	12088.6	12548.8	14597.2	15394.8	14870.2	10334.7
45°	12783.3	12807.6	12910.5	12786.1	12611.7	13107.7	13373.6	15514.9	16725.6	16216.7	11156.6
47.5°	13355.0	13380.8	13486.5	13403.6	13312.2	14059.7	14234.1	16379.7	18000.6	17696.2	12034.3
50°	14061.2	14078.3	14178.4	14028.3	14056.9	14777.3	15003.2	17173.0	19337.1	19025.5	12914.8
52.5°	15024.6	15028.9	15167.5	15031.7	14897.4	15303.3	15665.0	17920.6	20384.9	20237.7	13795.3
55°	15779.3	15825.1	16279.6	16251.0	16173.8	15780.8	16218.2	18632.4	21319.7	21389.8	14730.1
57.5°	15297.6	15476.3	16396.8	17045.8	17677.6	16968.6	16965.7	19434.3	22188.8	22520.5	15757.9
60°	13397.9	13640.9	14997.4	16436.9	18413.7	19035.5	18518.1	20413.5	23066.5	23641.1	17045.8
62.5°	9568.5	9968.8	11807.0	14105.5	17404.6	20404.9	21677.1	21967.3	24260.1	24939.0	18719.6
65°	4837.1	5140.2	6681.1	9449.9	13905.4	19510.1	25110.6	25369.3	26334.1	26937.4	21296.9
67.5°	2938.9	3053.2	3805.1	5256.0	8525.0	15197.6	26231.2	31039.8	30347.9	30668.1	24971.9
70°	2165.6	2249.9	2718.8	3490.6	4902.9	8918.1	22792.0	35086.5	34631.9	34596.2	27687.8
72°	1686.7	1748.2	2162.7	2820.2	3585.0	5350.3	16519.8	33592.7	35858.3	35678.2	27439.1
72.5°	1599.5	1653.8	2031.2	2654.4	3387.7	4850.0	14853.1	32585.0	35769.7	35688.2	27117.5
75°	1259.3	1297.9	1503.7	2052.6	2651.6	2751.6	8139.1	25252.1	31731.6	33051.0	24390.1
77.5°	1042.0	1047.8	1156.4	1493.7	2066.9	1945.4	3998.1	17520.4	22722.0	24172.9	17277.4
80°	849.1	856.2	907.7	1047.8	1563.8	1439.4	1898.3	10074.5	12721.8	12737.5	8216.3
82.5°	676.1	677.5	734.7	766.2	1123.5	1029.2	1087.8	4729.9	5559.0	5347.4	2953.2
85°	476.0	466.0	717.6	628.9	734.7	660.4	600.4	1872.5	2298.5	2198.4	924.8
87.5°	158.7	164.4	318.8	407.4	428.8	374.5	267.3	717.6	867.7	860.5	293.0
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°	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3	5107.3
2.5°	5133.0	5087.3	5020.1	4945.8	4887.2	4827.1	4782.8	4760.0	4734.2	4712.8	4738.5
5°	5187.4	5101.6	4958.6	4818.6	4715.6	4624.2	4558.4	4524.1	4492.7	4471.2	4474.1
7.5°	5276.0	5137.3	4897.2	4692.8	4549.8	4451.2	4384.0	4361.1	4341.1	4335.4	4342.6
10°	5370.3	5165.9	4815.7	4544.1	4381.2	4299.7	4269.7	4285.4	4299.7	4312.5	4326.8
12.5°	5477.5	5191.6	4697.1	4369.7	4231.1	4199.6	4229.6	4298.3	4348.3	4378.3	4396.9
15°	5617.6	5214.5	4559.8	4195.3	4102.4	4138.2	4239.6	4358.3	4445.5	4501.2	4509.8
17.5°	5746.3	5213.1	4384.0	4019.5	3998.1	4102.4	4255.4	4422.6	4539.8	4618.4	4634.2
20°	5879.2	5174.5	4179.6	3848.0	3892.3	4063.8	4262.5	4464.1	4605.6	4697.1	4718.5
22.5°	6003.5	5107.3	3955.2	3692.2	3803.7	4012.4	4235.4	4439.8	4581.3	4655.6	4678.5
25°	6087.9	4990.1	3727.9	3560.7	3725.1	3949.5	4146.7	4311.1	4416.9	4454.1	4459.8
27.5°	6130.8	4837.1	3513.5	3446.3	3643.6	3846.6	3982.4	4063.8	4093.8	4091.0	4085.3
30°	6136.5	4635.6	3329.1	3353.4	3549.2	3695.0	3759.4	3743.6	3705.0	3639.3	3645.0
32.5°	6117.9	4408.3	3174.7	3264.8	3429.2	3510.6	3513.5	3437.7	3334.8	3230.5	3201.9
35°	6123.6	4185.3	3038.9	3164.7	3283.4	3319.1	3286.2	3174.7	3034.7	2900.3	2871.7
37.5°	6186.5	3990.9	2921.7	3048.9	3121.8	3130.4	3083.3	2966.0	2863.1	2731.6	2720.2
40°	6336.6	3852.3	2810.2	2918.9	2960.3	2964.6	2897.4	2814.5	2823.1	2753.1	2751.6
42.5°	6606.8	3792.2	2711.6	2783.1	2808.8	2817.4	2765.9	2713.0	2787.4	2741.6	2725.9
45°	6955.5	3806.5	2628.7	2650.1	2697.3	2737.3	2705.9	2641.6	2670.1	2471.5	2405.7
47.5°	7358.6	3898.0	2562.9	2535.8	2617.3	2693.0	2644.4	2547.2	2445.7	2248.5	2211.3
50°	7830.3	4039.5	2502.9	2422.9	2530.1	2633.0	2584.4	2445.7	2292.8	2197.0	2184.1
52.5°	8322.1	4212.5	2442.9	2298.5	2420.0	2587.2	2562.9	2422.9	2234.2	2139.8	2122.7
55°	8879.5	4386.9	2367.1	2154.1	2301.4	2565.8	2552.9	2340.0	2189.9	2137.0	2124.1
57.5°	9572.8	4585.6	2267.1	2004.0	2189.9	2488.6	2448.6	2289.9	2144.1	2104.1	2099.8
60°	10476.2	4878.6	2122.7	1843.9	2054.1	2370.0	2361.4	2217.0	2071.2	2042.6	2036.9
62.5°	11831.3	5363.2	1924.0	1683.9	1902.6	2168.4	2247.0	2118.4	1994.0	1992.6	1995.5
65°	13932.5	6092.2	1708.2	1543.8	1749.6	1998.3	2114.1	2016.9	1915.4	1944.0	1948.3
67.5°	16368.2	6696.8	1496.6	1406.5	1593.8	1836.8	1994.0	1915.4	1811.1	1885.4	1886.8
70°	17178.7	6156.5	1310.8	1270.8	1432.3	1681.0	1864.0	1803.9	1698.1	1772.5	1765.3
72°	15986.6	4970.1	1190.7	1167.8	1310.8	1552.3	1748.2	1699.6	1595.2	1645.3	1626.7
72.5°	15610.7	4738.5	1160.7	1142.1	1277.9	1519.5	1718.2	1673.8	1569.5	1612.4	1595.2
75°	13925.4	4115.3	997.7	1002.0	1114.9	1359.4	1549.5	1535.2	1428.0	1432.3	1426.6
77.5°	10100.3	3017.5	840.5	869.1	949.1	1195.0	1379.4	1370.8	1253.6	1232.2	1227.9
80°	4687.1	1539.5	684.7	697.6	780.5	999.2	1176.4	1165.0	1070.6	1043.5	1027.8
82.5°	1605.2	731.9	514.6	523.2	604.6	804.8	1020.6	1013.5	934.8	881.9	849.1
85°	573.2	364.5	360.2	351.6	431.7	633.2	889.1	850.5	734.7	626.1	623.2
87.5°	185.8	155.8	185.8	184.4	251.6	428.8	646.1	550.3	533.2	443.1	434.5
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)