

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: P318060

Luminaire Tested: **GAN-SA6D-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318060
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-SA6D-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41473 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

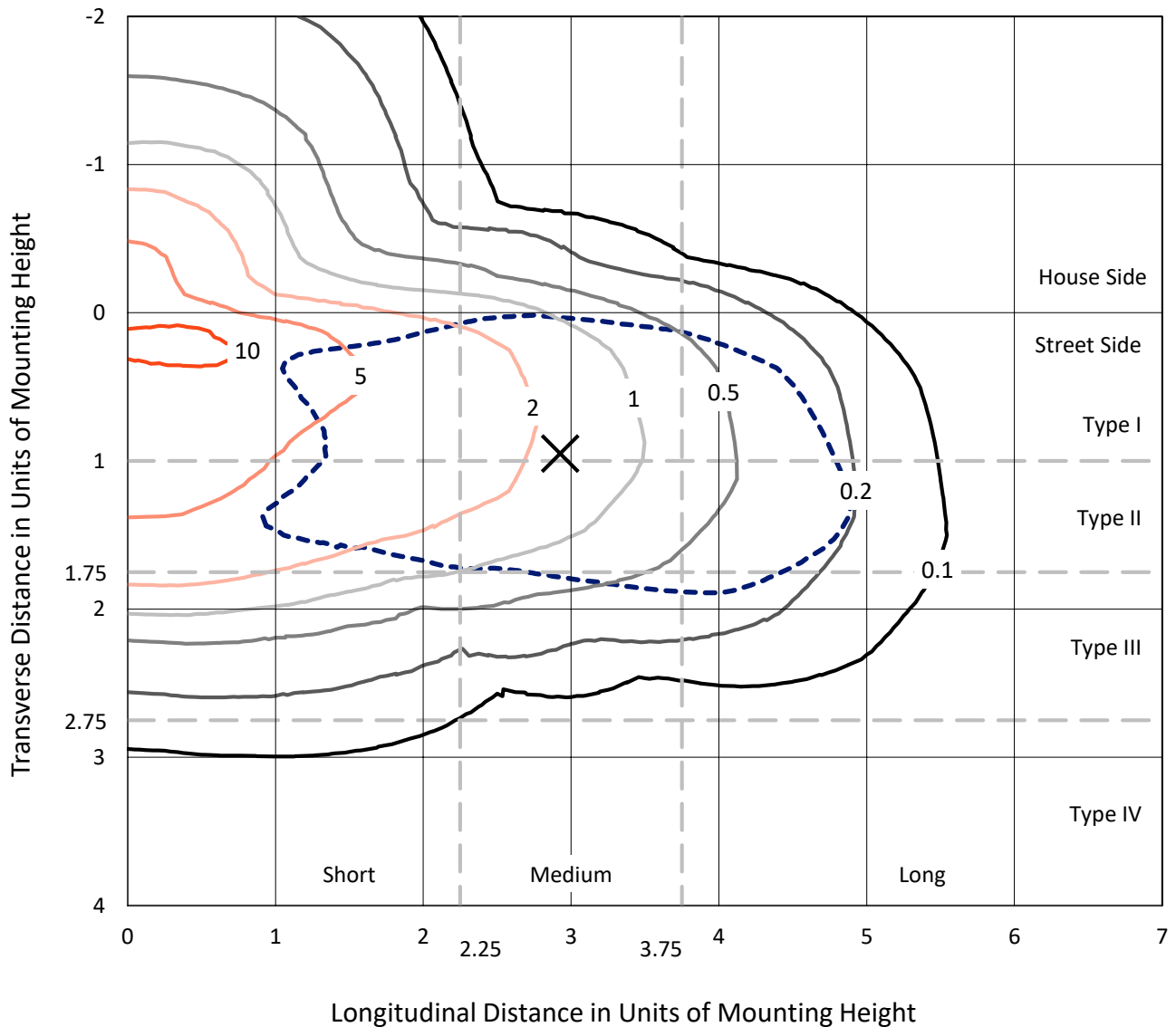
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

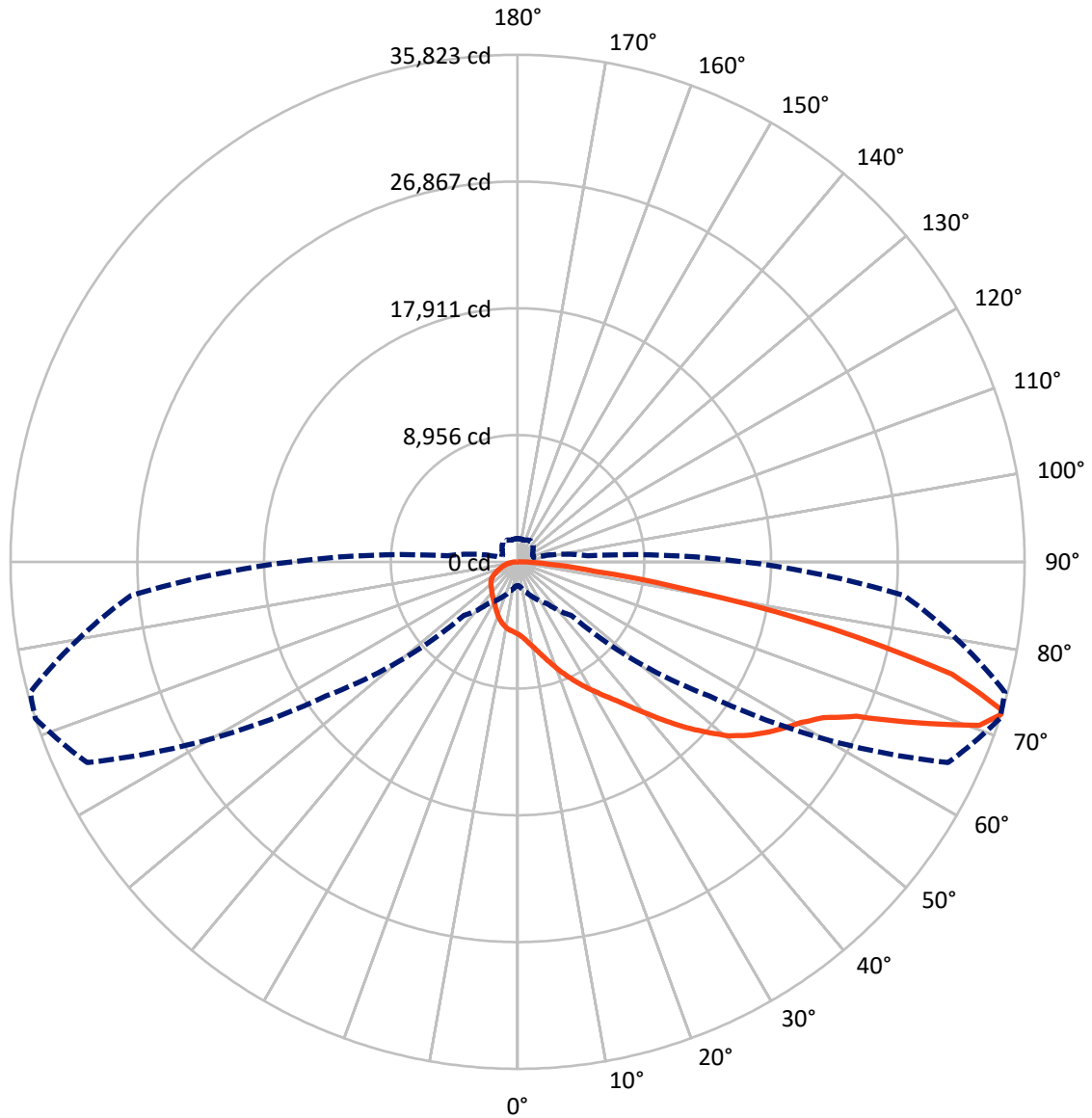
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	7693.5	0.0	7693.5
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	33779.5	0.0	33779.5
	% Fixture	81.4	0.0	81.4
Total	Lumens	41473.0	0.0	41473.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.3	1.2
10°-20°	1652.1	4.0
20°-30°	2895.1	7.0
30°-40°	4292.5	10.4
40°-50°	6278.1	15.1
50°-60°	8638.7	20.8
60°-70°	9617.4	23.2
70°-80°	6516.7	15.7
80°-90°	1071.1	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°	41473.0	100.0
0°-180°	41473.0	100.0

Coefficient of Utilization

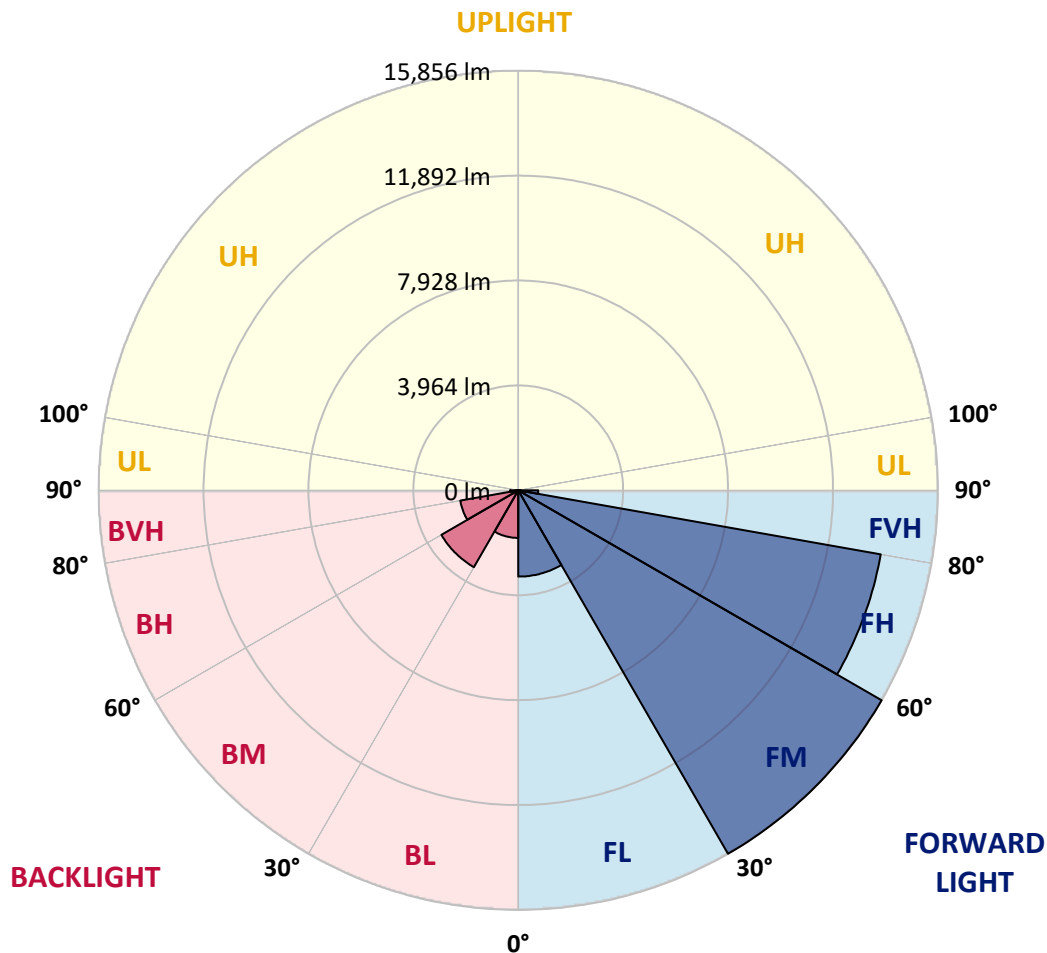


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3260.0	7.9			
FM (30°-60°)	15855.6	38.2			
FH (60°-80°)	13908.3	33.5			G5
FVH (80°-90°)	755.5	1.8			G5
BL (0°-30°)	1798.5	4.3	B3/2500		
BM (30°-60°)	3353.7	8.1	B3/5000		
BH (60°-80°)	2225.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	315.6	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°	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3
2.5°	5636.3	5627.8	5597.8	5597.8	5540.7	5492.1	5400.7	5339.3	5266.5	5240.8	5155.1
5°	6181.8	6184.7	6147.6	6121.9	6037.6	5934.8	5779.1	5637.8	5496.4	5439.3	5263.6
7.5°	6640.2	6634.5	6624.5	6603.1	6524.6	6418.9	6209.0	5999.0	5790.6	5704.9	5402.1
10°	6934.4	6947.2	6955.8	6965.8	6933.0	6857.3	6658.8	6403.2	6130.4	6013.3	5567.8
12.5°	7082.9	7105.8	7145.7	7214.3	7268.5	7260.0	7115.7	6844.4	6520.3	6373.2	5774.9
15°	7170.0	7200.0	7262.8	7385.6	7538.4	7625.5	7587.0	7341.4	6980.1	6798.7	6027.6
17.5°	7224.3	7248.6	7345.7	7509.9	7736.9	7968.3	8069.7	7864.0	7499.9	7292.8	6317.5
20°	7261.4	7280.0	7401.3	7594.1	7888.3	8256.7	8539.5	8488.1	8072.5	7804.0	6620.2
22.5°	7344.2	7359.9	7475.6	7669.8	7995.4	8470.9	8992.1	9069.3	8676.6	8372.4	6944.4
25°	7575.6	7575.6	7672.7	7808.3	8113.9	8656.6	9374.9	9716.1	9293.5	8939.3	7244.3
27.5°	8016.8	8012.5	8048.2	8095.4	8326.7	8845.1	9716.1	10287.3	9933.2	9546.2	7535.6
30°	8539.5	8568.0	8572.3	8549.5	8658.0	9080.7	10031.7	10890.0	10577.2	10160.3	7834.0
32.5°	9212.1	9230.6	9209.2	9133.5	9117.8	9414.8	10341.6	11521.1	11274.1	10801.4	8106.8
35°	10066.0	10030.3	9963.2	9809.0	9661.9	9861.8	10695.8	12152.3	12056.6	11576.8	8482.3
37.5°	10981.4	10982.8	10900.0	10550.1	10347.3	10433.0	11184.1	12867.8	13003.4	12499.3	8963.6
40°	11715.4	11753.9	11805.3	11345.5	11082.7	11201.3	11805.3	13697.4	14123.0	13593.2	9590.5
42.5°	12228.0	12272.3	12417.9	12129.5	11856.7	12076.6	12536.5	14582.8	15379.6	14855.5	10324.5
45°	12770.6	12794.9	12897.7	12773.5	12599.3	13094.8	13360.4	15499.6	16709.1	16200.7	11145.6
47.5°	13341.8	13367.6	13473.2	13390.4	13299.0	14045.9	14220.1	16363.5	17982.9	17678.7	12022.4
50°	14047.3	14064.4	14164.4	14014.4	14043.0	14762.7	14988.3	17156.0	19318.0	19006.7	12902.0
52.5°	15009.8	15014.0	15152.6	15016.9	14882.7	15288.2	15649.5	17902.9	20364.8	20217.7	13781.7
55°	15763.7	15809.4	16263.5	16235.0	16157.9	15765.2	16202.1	18614.0	21298.7	21368.7	14715.6
57.5°	15282.5	15461.0	16380.6	17029.0	17660.1	16951.8	16949.0	19415.2	22166.9	22498.2	15742.3
60°	13384.7	13627.4	14982.6	16420.6	18395.6	19016.7	18499.8	20393.3	23043.7	23617.8	17029.0
62.5°	9559.1	9958.9	11795.3	14091.6	17387.4	20384.8	21655.7	21945.6	24236.1	24914.4	18701.2
65°	4832.4	5135.1	6674.5	9440.5	13891.6	19490.8	25085.8	25344.2	26308.1	26910.7	21275.8
67.5°	2936.0	3050.2	3801.3	5250.8	8516.6	15182.5	26205.3	31009.1	30318.0	30637.8	24947.2
70°	2163.4	2247.7	2716.1	3487.2	4898.1	8909.3	22769.5	35051.8	34597.7	34562.0	27660.5
72°	1685.0	1746.4	2160.6	2817.5	3581.4	5345.0	16503.5	33559.5	35822.9	35643.0	27412.0
72.5°	1597.9	1652.2	2029.2	2651.8	3384.4	4845.2	14838.4	32552.8	35734.4	35653.0	27090.7
75°	1258.1	1296.6	1502.3	2050.6	2648.9	2748.9	8131.1	25227.1	31700.3	33018.3	24366.0
77.5°	1041.0	1046.7	1155.3	1492.3	2064.9	1943.5	3994.1	17503.1	22699.6	24149.0	17260.3
80°	848.2	855.4	906.8	1046.7	1562.2	1438.0	1896.4	10064.6	12709.2	12725.0	8208.2
82.5°	675.4	676.9	734.0	765.4	1122.4	1028.2	1086.7	4725.3	5553.5	5342.2	2950.3
85°	475.5	465.5	716.9	628.3	734.0	659.7	599.8	1870.7	2296.2	2196.3	923.9
87.5°	158.5	164.2	318.4	407.0	428.4	374.1	267.0	716.9	866.8	859.7	292.7
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°	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3	5102.3
2.5°	5128.0	5082.3	5015.2	4940.9	4882.3	4822.4	4778.1	4755.3	4729.6	4708.1	4733.8
5°	5182.2	5096.5	4953.7	4813.8	4711.0	4619.6	4553.9	4519.6	4488.2	4466.8	4469.7
7.5°	5270.8	5132.2	4892.3	4688.1	4545.3	4446.8	4379.7	4356.8	4336.9	4331.1	4338.3
10°	5365.0	5160.8	4810.9	4539.6	4376.8	4295.4	4265.5	4281.2	4295.4	4308.3	4322.6
12.5°	5472.1	5186.5	4692.4	4365.4	4226.9	4195.5	4225.5	4294.0	4344.0	4374.0	4392.5
15°	5612.1	5209.4	4555.3	4191.2	4098.4	4134.1	4235.5	4354.0	4441.1	4496.8	4505.4
17.5°	5740.6	5207.9	4379.7	4015.5	3994.1	4098.4	4251.2	4418.2	4535.3	4613.9	4629.6
20°	5873.4	5169.4	4175.5	3844.2	3888.5	4059.8	4258.3	4459.7	4601.0	4692.4	4713.8
22.5°	5997.6	5102.3	3951.3	3688.5	3799.9	4008.4	4231.2	4435.4	4576.8	4651.0	4673.9
25°	6081.9	4985.2	3724.2	3557.2	3721.4	3945.6	4142.6	4306.9	4412.5	4449.7	4455.4
27.5°	6124.7	4832.4	3510.0	3442.9	3640.0	3842.8	3978.4	4059.8	4089.8	4086.9	4081.2
30°	6130.4	4631.0	3325.8	3350.1	3545.7	3691.4	3755.7	3739.9	3701.4	3635.7	3641.4
32.5°	6111.9	4404.0	3171.6	3261.6	3425.8	3507.2	3510.0	3434.4	3331.5	3227.3	3198.7
35°	6117.6	4181.2	3035.9	3161.6	3280.1	3315.8	3283.0	3171.6	3031.7	2897.4	2868.9
37.5°	6180.4	3987.0	2918.8	3045.9	3118.8	3127.3	3080.2	2963.1	2860.3	2728.9	2717.5
40°	6330.3	3848.5	2807.5	2916.0	2957.4	2961.7	2894.6	2811.7	2820.3	2750.3	2748.9
42.5°	6600.2	3788.5	2708.9	2780.3	2806.0	2814.6	2763.2	2710.4	2784.6	2738.9	2723.2
45°	6948.7	3802.8	2626.1	2647.5	2694.6	2734.6	2703.2	2639.0	2667.5	2469.0	2403.3
47.5°	7351.4	3894.2	2560.4	2533.3	2614.7	2690.4	2641.8	2544.7	2443.3	2246.3	2209.1
50°	7822.6	4035.5	2500.4	2420.5	2527.6	2630.4	2581.8	2443.3	2290.5	2194.8	2182.0
52.5°	8313.8	4208.3	2440.5	2296.2	2417.6	2584.7	2560.4	2420.5	2232.0	2137.7	2120.6
55°	8870.8	4382.5	2364.8	2152.0	2299.1	2563.3	2550.4	2337.6	2187.7	2134.9	2122.0
57.5°	9563.3	4581.0	2264.8	2002.1	2187.7	2486.2	2446.2	2287.7	2142.0	2102.0	2097.7
60°	10465.8	4873.8	2120.6	1842.1	2052.0	2367.6	2359.1	2214.8	2069.2	2040.6	2034.9
62.5°	11819.6	5357.9	1922.1	1682.2	1900.7	2166.3	2244.8	2116.3	1992.1	1990.6	1993.5
65°	13918.8	6086.2	1706.5	1542.2	1747.9	1996.4	2112.0	2014.9	1913.5	1942.1	1946.4
67.5°	16352.1	6690.2	1495.1	1405.2	1592.2	1835.0	1992.1	1913.5	1809.3	1883.5	1885.0
70°	17161.8	6150.4	1309.5	1269.5	1430.9	1679.3	1862.1	1802.1	1696.5	1770.7	1763.6
72°	15970.8	4965.2	1189.5	1166.7	1309.5	1550.8	1746.4	1697.9	1593.7	1643.6	1625.1
72.5°	15595.2	4733.8	1159.5	1141.0	1276.6	1518.0	1716.5	1672.2	1567.9	1610.8	1593.7
75°	13911.6	4111.2	996.7	1001.0	1113.8	1358.0	1548.0	1533.7	1426.6	1430.9	1425.1
77.5°	10090.3	3014.5	839.7	868.2	948.2	1193.8	1378.0	1369.5	1252.4	1230.9	1226.7
80°	4682.4	1538.0	684.0	696.9	779.7	998.2	1175.2	1163.8	1069.6	1042.4	1026.7
82.5°	1603.6	731.1	514.1	522.6	604.0	804.0	1019.6	1012.5	933.9	881.1	848.2
85°	572.6	364.1	359.9	351.3	431.3	632.6	888.2	849.7	734.0	625.5	622.6
87.5°	185.6	155.7	185.6	184.2	251.3	428.4	645.5	549.8	532.6	442.7	434.1
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)