

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: P318354

Luminaire Tested: **GAN-SA0A-730-U-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318354  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0A-730-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42016 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

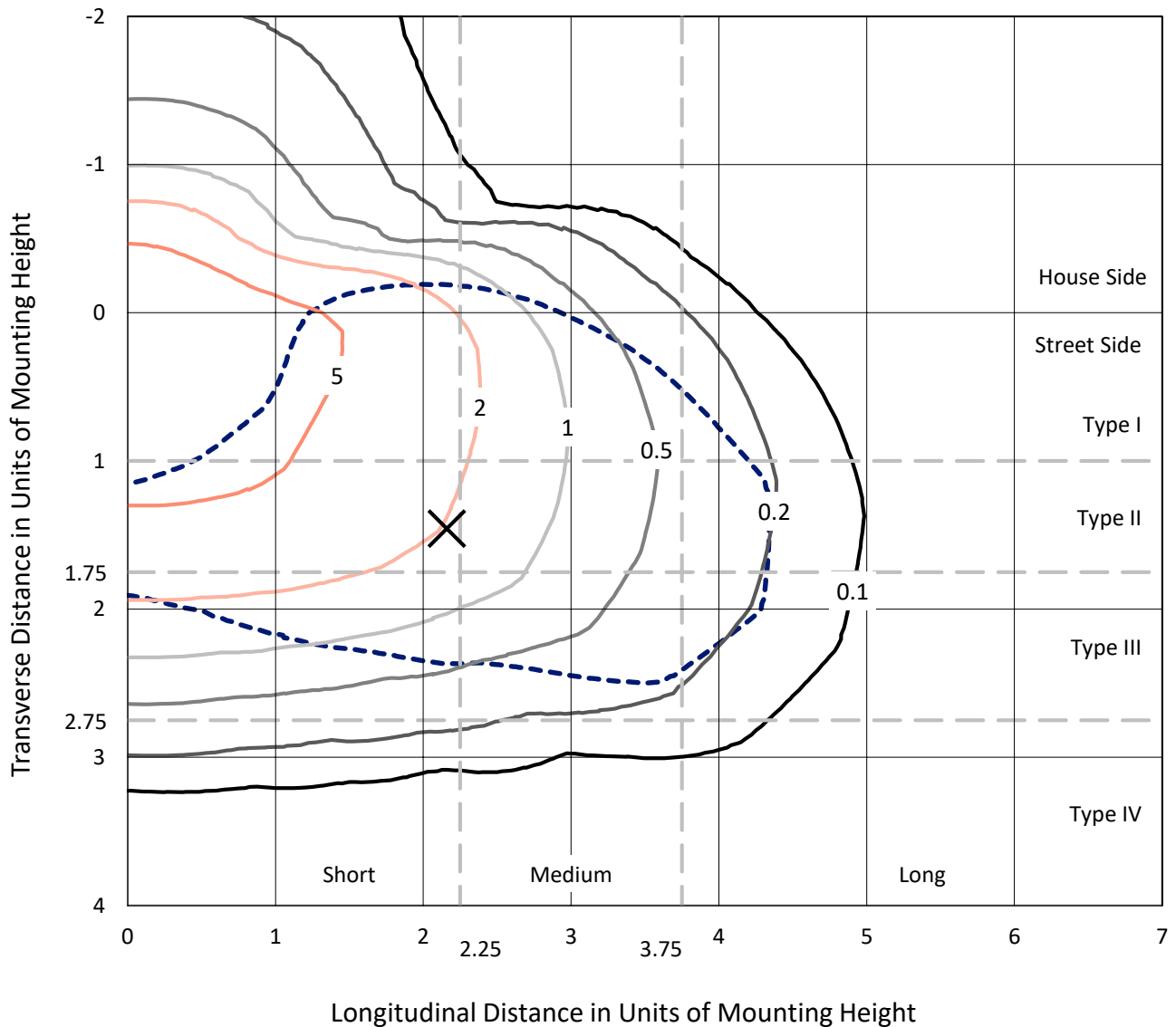
Input Watts (W): 323  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

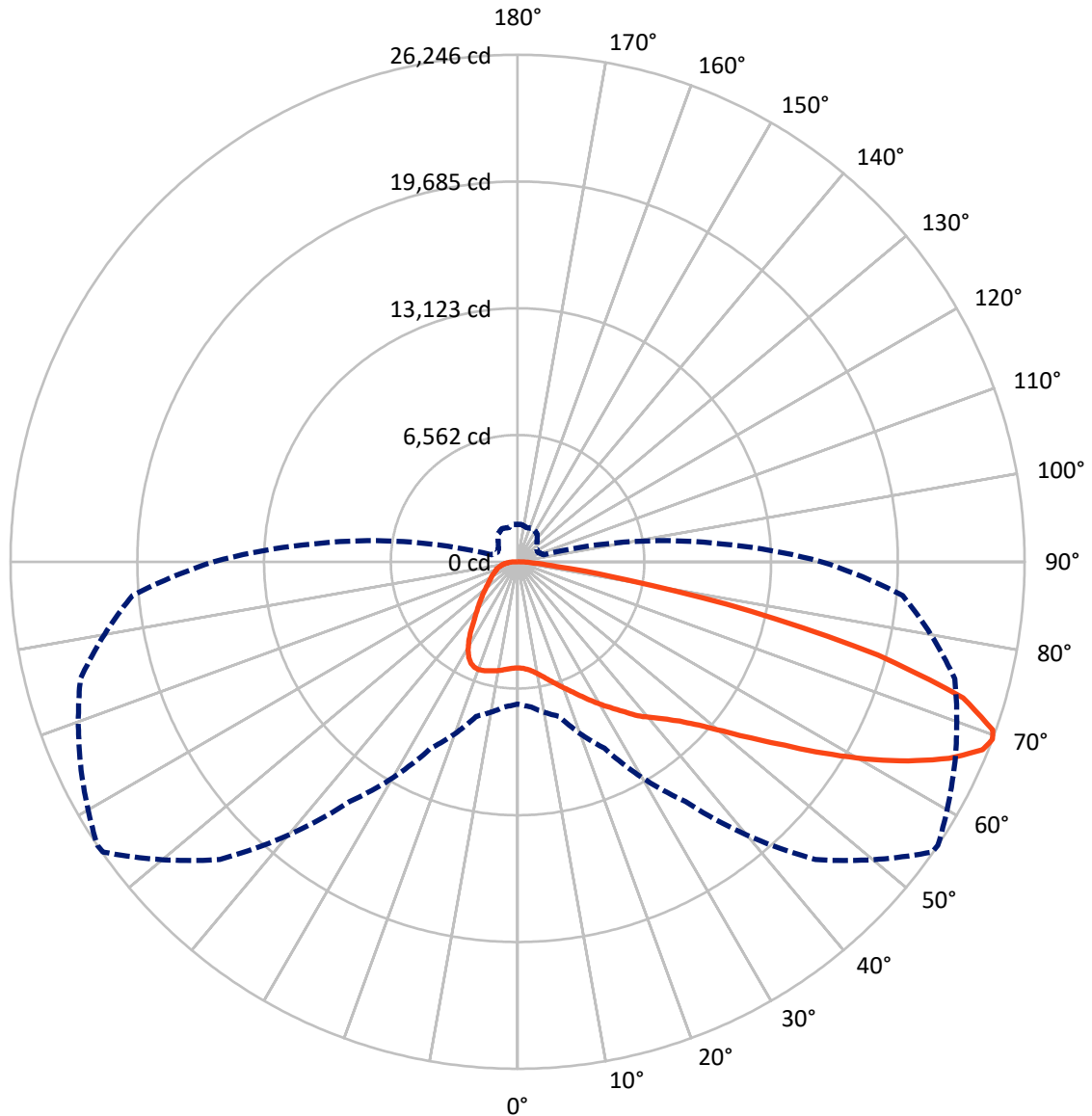
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9356.9	0.0	9356.9
	% Fixture	22.3	0.0	22.3
<b>Street Side</b>	Lumens	32659.1	0.0	32659.1
	% Fixture	77.7	0.0	77.7
<b>Total</b>	Lumens	42016.0	0.0	42016.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	539.5	1.3
10°-20°	1734.8	4.1
20°-30°	3028.3	7.2
30°-40°	4350.0	10.4
40°-50°	6020.2	14.3
50°-60°	8820.5	21.0
60°-70°	10753.8	25.6
70°-80°	5945.4	14.2
80°-90°	823.4	2.0
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°	42016.0	100.0
0°-180°	42016.0	100.0

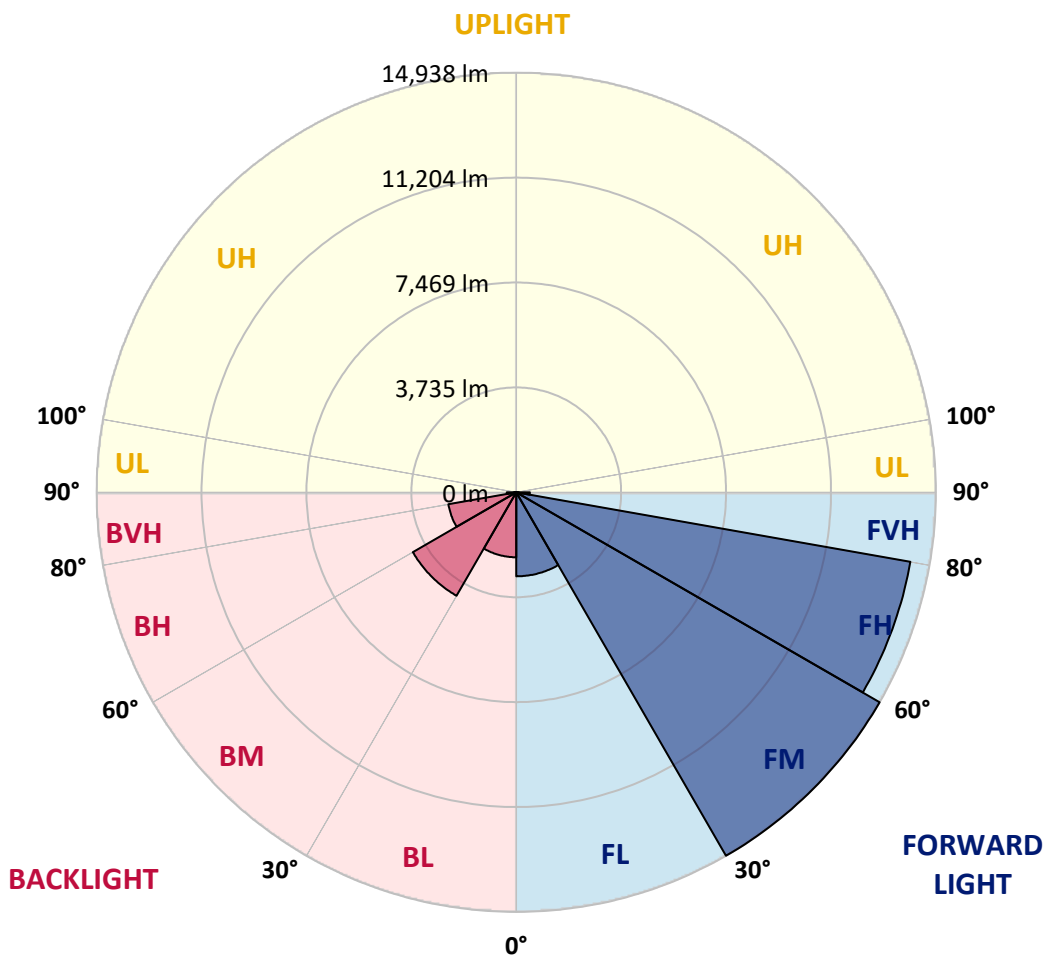


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2990.3	7.1			
FM (30°-60°)	14938.2	35.6			
FH (60°-80°)	14245.5	33.9			G5
FVH (80°-90°)	485.0	1.2			G3/500
BL (0°-30°)	2312.3	5.5	B3/2500		
BM (30°-60°)	4252.5	10.1	B3/5000		
BH (60°-80°)	2453.7	5.8	B3/2500		G3/2500
BVH (80°-90°)	338.4	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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0
2.5°	5527.7	5533.5	5529.1	5540.7	5527.7	5536.4	5529.1	5529.1	5524.8	5511.8	5497.3
5°	5614.5	5626.1	5618.9	5630.5	5614.5	5617.4	5604.4	5604.4	5591.4	5563.9	5534.9
7.5°	5750.6	5763.6	5757.8	5769.4	5747.7	5747.7	5730.3	5728.9	5702.8	5658.0	5624.7
10°	5912.7	5930.1	5924.3	5941.7	5924.3	5930.1	5912.7	5912.7	5878.0	5814.3	5772.3
12.5°	6148.6	6170.4	6154.4	6153.0	6145.7	6157.3	6142.9	6140.0	6108.1	6021.3	5963.4
15°	6464.2	6487.3	6454.0	6451.2	6410.6	6406.3	6406.3	6401.9	6381.7	6277.5	6181.9
17.5°	6827.5	6834.7	6805.8	6759.5	6707.3	6674.1	6669.7	6681.3	6681.3	6559.7	6407.7
20°	7183.5	7196.6	7173.4	7121.3	7054.7	7005.5	6970.8	6993.9	6992.5	6847.7	6632.1
22.5°	7571.5	7601.9	7567.1	7500.5	7422.4	7367.4	7306.6	7326.8	7328.3	7150.3	6852.1
25°	8073.7	8046.2	8024.5	7930.4	7819.0	7762.5	7706.1	7726.3	7720.5	7475.9	7079.3
27.5°	8518.1	8523.9	8494.9	8395.0	8266.2	8141.7	8138.8	8151.9	8130.2	7814.6	7293.6
30°	9034.8	9037.7	8997.2	8907.4	8767.0	8606.4	8568.7	8590.4	8544.1	8135.9	7519.3
32.5°	9548.6	9563.1	9518.2	9409.7	9296.8	9101.4	9026.1	9040.6	8924.8	8464.5	7752.4
35°	9998.8	10019.0	10004.6	9932.2	9809.2	9641.3	9551.5	9542.8	9399.5	8866.9	8060.7
37.5°	10457.6	10476.4	10460.5	10399.7	10350.5	10172.5	10124.7	10124.7	9875.7	9278.0	8452.9
40°	10929.5	10958.4	10939.6	10855.7	10813.7	10732.6	10618.3	10590.8	10321.6	9771.5	9092.7
42.5°	11368.0	11405.7	11480.9	11431.7	11346.3	11357.9	11127.8	11113.3	10916.4	10501.0	9896.0
45°	11990.4	12045.4	12172.8	12135.2	12117.8	12054.1	11780.6	11767.5	11692.3	11482.4	10893.3
47.5°	12669.3	12744.5	12974.7	12981.9	13168.6	13048.5	12676.5	12631.6	12649.0	12657.7	12110.6
50°	13294.6	13377.1	13754.8	13932.9	14372.9	14398.9	13804.0	13763.5	13831.5	14031.3	13529.0
52.5°	13793.9	13898.1	14370.0	14920.0	15674.1	15888.3	15192.1	15161.7	15212.4	15556.9	15132.8
55°	14160.1	14273.0	14786.8	15788.5	16992.7	17370.5	16790.1	16761.1	16793.0	17231.5	16876.9
57.5°	14245.5	14273.0	15018.4	16373.2	18105.8	19013.3	18745.5	18687.6	18531.3	18913.4	18802.0
60°	13844.6	13954.6	14827.4	16578.8	18967.0	20633.0	20789.3	20716.9	20278.4	20591.0	20501.3
62.5°	13031.1	13228.0	14113.8	16266.1	19304.2	21955.9	22794.0	22707.1	21951.6	22154.2	21722.9
65°	11702.4	11786.3	12717.0	15187.8	18875.8	22802.7	24581.5	24538.1	23587.2	23270.2	21948.7
67.5°	9325.7	9483.5	10273.8	12934.1	17123.0	22702.8	25963.8	25959.5	24655.4	23684.1	21148.3
69°	7367.4	7530.9	8283.6	10654.5	15151.6	21789.5	26195.4	26246.1	24956.4	23432.3	20004.8
70°	5873.6	6063.2	6580.0	8974.0	13401.7	20585.2	26002.9	26094.1	24898.5	23016.9	18949.6
72.5°	2499.7	2653.1	3020.8	4626.0	8167.8	15371.6	23775.3	24119.8	23556.8	21065.8	15661.1
75°	1091.4	1139.1	1305.6	1886.0	3625.8	8366.1	18625.4	19262.3	20142.3	17806.2	11666.2
77.5°	799.0	819.2	910.4	1107.3	1626.9	3159.7	11977.4	12347.9	14526.3	12957.3	7156.0
80°	618.0	632.5	703.4	813.5	1062.4	1278.1	5462.6	5781.0	8167.8	6655.2	2980.2
82.5°	492.1	502.3	551.5	599.2	733.8	774.4	1813.6	2011.9	3015.0	1838.2	788.8
85°	457.4	469.0	486.3	437.1	470.4	454.5	784.5	820.7	910.4	722.3	330.0
87.5°	207.0	244.6	482.0	340.1	250.4	199.7	321.3	335.8	377.8	379.2	146.2
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°	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0	5493.0
2.5°	5506.0	5501.6	5508.9	5491.5	5513.2	5511.8	5504.5	5507.4	5521.9	5520.5	5521.9
5°	5539.3	5536.4	5545.1	5532.0	5558.1	5566.8	5568.2	5581.3	5597.2	5601.5	5601.5
7.5°	5623.2	5623.2	5627.6	5610.2	5627.6	5626.1	5618.9	5631.9	5647.8	5649.3	5647.8
10°	5768.0	5769.4	5762.2	5717.3	5702.8	5663.8	5627.6	5629.0	5649.3	5665.2	5669.5
12.5°	5950.3	5944.6	5912.7	5830.2	5769.4	5689.8	5652.2	5650.7	5671.0	5684.0	5688.4
15°	6158.8	6142.9	6060.3	5925.7	5818.6	5740.5	5679.7	5665.2	5653.6	5639.1	5640.6
17.5°	6355.6	6319.4	6181.9	5995.2	5882.3	5778.1	5660.9	5566.8	5501.6	5464.0	5452.4
20°	6555.4	6484.4	6286.1	6060.3	5917.1	5727.4	5501.6	5310.6	5191.9	5136.9	5126.8
22.5°	6737.7	6623.4	6383.1	6128.4	5889.6	5556.6	5202.0	4924.1	4759.1	4685.3	4691.1
25°	6915.8	6756.6	6484.4	6176.1	5750.6	5255.6	4785.2	4443.6	4252.5	4170.0	4167.1
27.5°	7072.1	6891.2	6594.4	6137.1	5491.5	4827.1	4291.6	3958.7	3799.5	3728.6	3717.0
30°	7251.6	7060.5	6740.6	5988.0	5112.3	4332.1	3809.6	3575.1	3462.2	3391.3	3378.3
32.5°	7470.1	7290.7	6860.8	5717.3	4627.4	3815.4	3433.3	3269.7	3167.0	3087.3	3072.9
35°	7788.6	7594.6	6891.2	5329.4	4094.8	3407.2	3156.8	2988.9	2850.0	2747.2	2737.1
37.5°	8188.1	7975.3	6821.7	4827.1	3578.0	3142.3	2926.7	2719.7	2538.8	2394.0	2370.9
40°	8764.1	8442.8	6629.2	4248.2	3197.4	2938.3	2702.3	2466.4	2242.1	2072.7	2039.4
42.5°	9456.0	8991.4	6333.9	3672.1	2918.0	2731.3	2479.4	2187.1	1972.8	1852.7	1835.3
45°	10336.0	9561.7	5924.3	3168.4	2643.0	2524.3	2239.2	1969.9	1836.8	1748.5	1734.0
47.5°	11340.5	10201.4	5494.4	2758.8	2410.0	2330.3	2046.7	1873.0	1767.3	1697.8	1684.8
50°	12575.2	10923.7	5038.5	2423.0	2175.5	2097.3	1955.5	1819.4	1735.5	1681.9	1668.9
52.5°	13967.6	11738.6	4709.9	2158.1	1981.5	1925.1	1907.7	1790.5	1722.4	1681.9	1668.9
55°	15467.1	12567.9	4355.3	1935.2	1813.6	1829.5	1875.9	1793.4	1747.0	1697.8	1679.0
57.5°	16968.1	13424.8	3960.1	1747.0	1680.5	1758.6	1854.1	1799.1	1760.1	1712.3	1694.9
60°	18155.0	13967.6	3347.9	1589.3	1574.8	1680.5	1802.0	1755.7	1705.1	1706.5	1703.6
62.5°	18709.4	13938.7	2671.9	1448.9	1469.1	1574.8	1718.1	1687.7	1645.7	1702.2	1706.5
65°	18398.2	13243.9	2079.9	1321.5	1356.2	1464.8	1631.2	1654.4	1668.9	1777.4	1791.9
67.5°	17092.6	11892.0	1611.0	1210.0	1253.5	1389.5	1639.9	1802.0	1820.9	1935.2	1933.8
69°	15742.1	10624.1	1399.7	1152.1	1202.8	1408.3	1752.8	1896.1	1825.2	1946.8	1929.4
70°	14610.3	9621.0	1286.8	1113.1	1179.6	1441.6	1828.1	1894.7	1803.5	1907.7	1878.8
72.5°	11252.2	6921.6	1091.4	1040.7	1101.5	1379.4	1849.8	1852.7	1752.8	1773.1	1723.9
75°	7717.6	4374.1	952.4	942.3	982.8	1243.3	1780.3	1770.2	1621.1	1592.2	1551.6
77.5°	4255.4	2221.8	809.1	848.2	875.7	1101.5	1618.2	1603.7	1480.7	1419.9	1405.4
80°	1641.4	972.7	683.2	754.1	771.5	953.8	1418.5	1405.4	1302.7	1224.5	1202.8
82.5°	619.5	509.5	564.5	652.8	647.0	787.4	1201.4	1194.1	1094.2	979.9	945.2
85°	286.6	305.4	447.3	538.4	496.5	583.3	961.1	974.1	852.5	716.5	716.5
87.5°	121.6	170.8	317.0	406.7	334.4	393.7	704.9	673.1	618.0	428.4	402.4
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)