

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: P383446

Luminaire Tested: **GAN-SA7C-735-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383446  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA7C-735-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39816.2 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

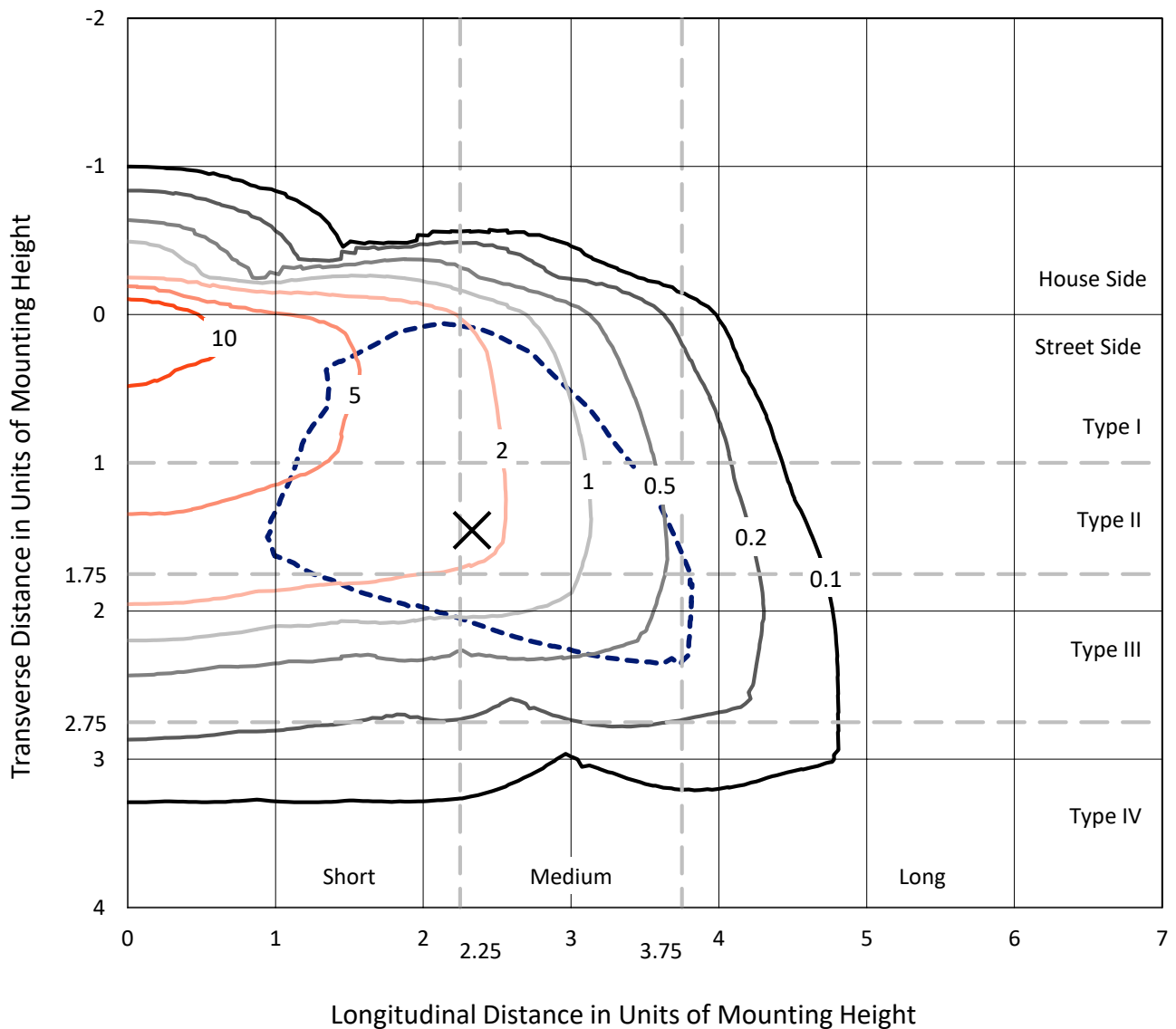
Input Watts (W): 391  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P383446  
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### Iso-Footcandle Lines of Horizontal Illumination

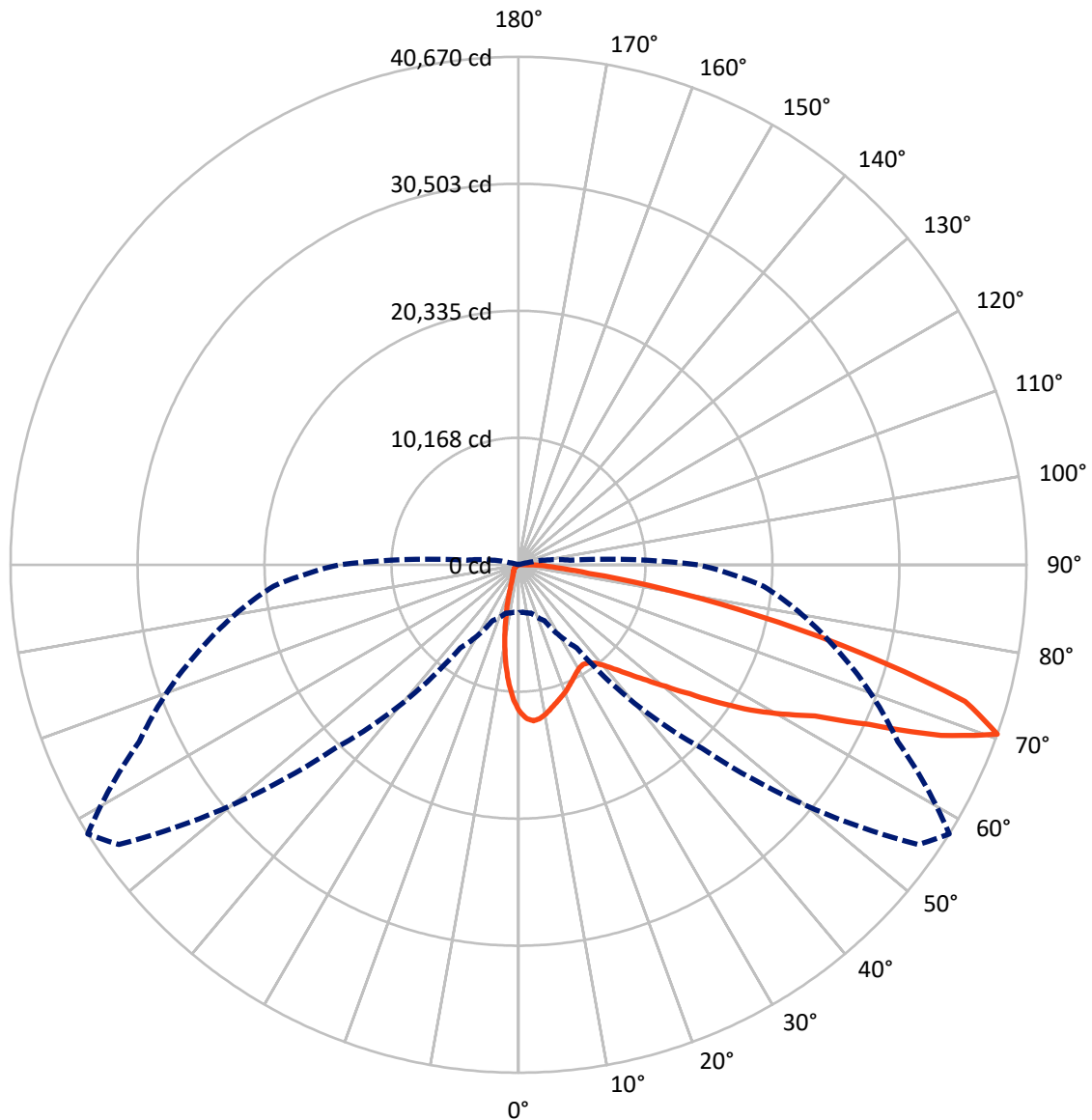
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P383446  
CATALOG NUMBER: GAN-SA7C-735-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3407.4	0.0	3407.4
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	36408.8	0.0	36408.8
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	39816.2	0.0	39816.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	961.8	2.4
10°-20°	2018.6	5.1
20°-30°	2653.7	6.7
30°-40°	3514.6	8.8
40°-50°	5253.2	13.2
50°-60°	8415.4	21.1
60°-70°	10607.5	26.6
70°-80°	5721.7	14.4
80°-90°	669.7	1.7
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°	39816.2	100.0
0°-180°	39816.2	100.0

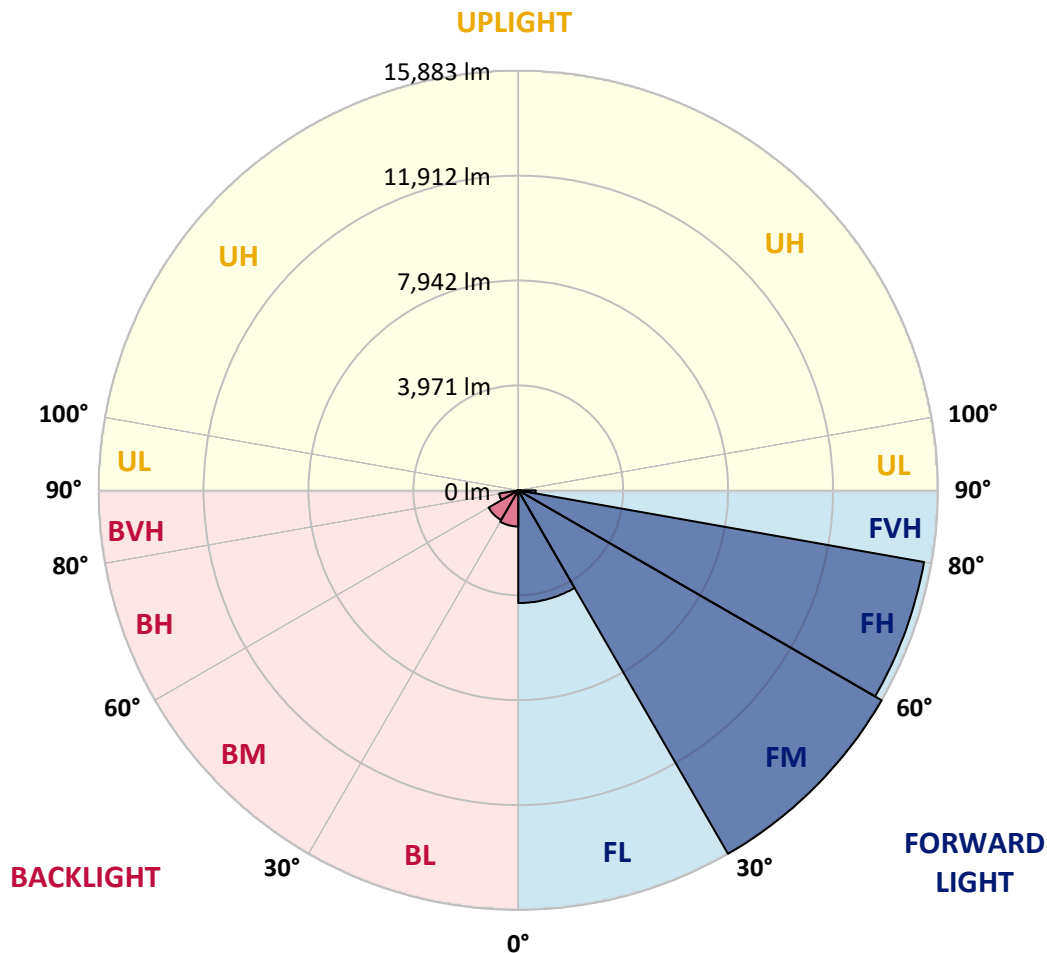


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4265.1	10.7			
FM (30°-60°)	15883.3	39.9			
FH (60°-80°)	15596.4	39.2			G5
FVH (80°-90°)	664.0	1.7			G4/750
BL (0°-30°)	1369.0	3.4	B3/2500		
BM (30°-60°)	1299.9	3.3	B2/2500		
BH (60°-80°)	732.8	1.8	B2/1000		G2/1000
BVH (80°-90°)	5.8	0.0			G0/10
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





REPORT NUMBER: P383446

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5
2.5°	12736.7	12705.2	12693.6	12673.8	12597.6	12523.1	12375.8	12334.3	12241.7	12021.4	11788.0
5°	12746.6	12745.0	12779.7	12771.4	12745.0	12710.2	12604.2	12549.6	12392.3	12077.7	11650.6
7.5°	12132.4	12163.9	12241.7	12304.5	12377.4	12471.7	12485.1	12432.1	12302.9	11963.5	11397.3
10°	11307.9	11357.5	11466.8	11591.0	11781.4	11970.1	12139.0	12132.4	12087.7	11753.2	11092.7
12.5°	10481.7	10539.7	10665.5	10849.3	11119.1	11427.1	11728.4	11769.8	11844.3	11564.5	10811.2
15°	9758.2	9807.9	9932.1	10157.2	10491.6	10905.5	11347.6	11423.8	11615.8	11417.1	10576.1
17.5°	9144.0	9175.5	9266.5	9516.5	9903.9	10405.6	10980.1	11129.1	11415.5	11301.3	10372.4
20°	8715.2	8720.1	8779.7	8955.2	9342.7	9903.9	10599.2	10812.8	11203.5	11202.0	10162.2
22.5°	8503.3	8486.7	8498.3	8599.3	8884.1	9425.4	10218.5	10471.8	11013.2	11117.5	9948.6
25°	8463.5	8450.3	8417.2	8430.4	8602.6	9006.6	9834.3	10127.4	10845.9	11066.1	9763.2
27.5°	8587.7	8601.0	8544.6	8485.1	8498.3	8735.0	9493.3	9832.8	10710.2	11066.1	9632.4
30°	8837.7	8844.3	8802.9	8725.2	8620.8	8658.9	9256.6	9596.0	10642.3	11142.3	9549.6
32.5°	9114.2	9150.6	9145.7	9082.7	8933.7	8779.7	9200.2	9509.9	10637.3	11311.2	9541.4
35°	9456.9	9498.2	9567.8	9554.6	9398.9	9145.7	9392.3	9635.7	10735.1	11589.3	9630.7
37.5°	9821.1	9884.1	10033.0	10104.2	10003.2	9716.8	9822.8	9996.6	10996.6	12039.7	9857.5
40°	10173.8	10245.0	10516.5	10796.3	10720.2	10425.4	10475.1	10614.1	11461.9	12687.0	10288.0
42.5°	10519.8	10625.8	11024.8	11485.1	11576.1	11341.0	11367.5	11478.4	12152.2	13577.8	10991.7
45°	10933.7	11052.9	11644.0	12211.8	12455.3	12352.6	12465.1	12538.0	13054.5	14754.9	11940.3
47.5°	11541.3	11678.7	12403.9	13051.3	13478.4	13544.6	13771.4	13819.4	14195.3	16125.7	13177.1
50°	12726.7	12764.8	13420.4	14008.2	14624.1	15021.4	15279.7	15316.1	15576.0	17624.0	14721.8
52.5°	14218.5	14243.3	14614.1	15008.2	15708.5	16519.8	17124.1	17175.4	17230.0	19084.3	16246.6
55°	15700.2	15696.9	15941.9	16173.7	16975.0	18153.9	19465.2	19496.5	19104.2	20470.1	17412.1
57.5°	16625.7	16715.1	17087.7	17385.7	18504.8	20016.4	21835.9	21951.8	21072.7	21496.6	18564.4
60°	16331.1	16374.1	17200.2	18302.9	20410.5	22663.8	24235.0	24264.8	22552.9	22521.4	20021.4
62.5°	13913.8	13937.0	15235.0	17508.2	21375.7	26097.5	27129.0	26643.8	24254.8	23943.6	21764.8
65°	9536.3	9687.1	10771.5	13581.0	19602.6	28251.5	31609.1	30806.1	26849.2	25993.3	23340.9
67.5°	5615.8	5584.4	6120.8	8190.4	14397.3	26821.0	37276.2	36478.3	30387.3	27365.7	22879.0
70°	3836.1	3814.5	4019.8	4958.5	8127.5	20806.2	39059.3	40670.3	33511.4	26441.9	19690.3
72.5°	2738.4	2750.0	3053.0	3852.6	5102.6	12122.4	33589.2	37402.1	32532.9	23051.1	14966.8
75°	1859.3	1890.8	2324.5	3160.6	4473.5	6167.2	23836.0	28432.0	26491.5	16753.2	8602.6
77.5°	1000.0	1034.8	1546.4	2546.4	4044.7	4284.7	15332.7	19567.8	16640.6	7531.4	2493.4
80°	417.2	437.1	723.5	1851.0	3495.0	3763.3	9021.5	11865.9	7091.0	1485.1	556.3
82.5°	180.4	190.4	301.4	1104.3	2612.5	3177.1	4776.4	5708.6	2149.0	326.1	279.8
85°	34.7	36.4	124.2	584.5	1667.2	1793.0	3096.0	3034.8	965.3	140.8	203.6
87.5°	0.0	0.0	29.8	183.8	490.1	976.8	1889.1	1865.9	327.8	67.9	76.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P383446  
 CATALOG NUMBER: GAN-SA7C-735-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5	11761.5
2.5°	11668.8	11554.5	11314.5	11018.2	10791.3	10541.3	10342.7	10091.0	9981.7	9986.7	9927.1
5°	11407.2	11172.1	10640.7	9970.2	9453.6	8920.5	8461.9	8004.9	7735.0	7647.3	7564.5
7.5°	11033.1	10660.5	9812.8	8779.7	7905.6	7051.3	6307.9	5653.9	5240.0	5038.1	4963.6
10°	10610.9	10087.7	8860.9	7500.0	6251.6	5096.0	4132.4	3294.7	2960.3	2733.4	2675.5
12.5°	10240.0	9531.4	7930.5	6187.1	4705.2	3311.3	2392.4	1870.8	1644.0	1554.7	1539.8
15°	9890.7	9011.5	7034.8	4998.3	3258.3	2038.0	1521.5	1344.3	1291.4	1276.5	1276.5
17.5°	9561.2	8516.5	6158.9	3827.8	2155.6	1428.8	1259.9	1220.2	1203.7	1202.0	1203.7
20°	9216.8	8021.5	5298.0	2804.6	1504.9	1210.3	1163.9	1142.4	1137.4	1137.4	1137.4
22.5°	8887.3	7526.4	4460.2	2003.3	1206.9	1104.3	1081.2	1066.2	1061.2	1059.6	1056.3
25°	8571.2	7056.3	3642.4	1415.6	1059.6	1011.6	991.7	971.9	957.0	948.7	943.7
27.5°	8311.2	6637.4	2880.8	1135.7	957.0	915.5	890.7	860.9	824.5	807.9	801.3
30°	8104.3	6255.0	2220.2	958.6	860.9	819.6	781.5	730.1	677.1	649.0	647.3
32.5°	7942.0	5879.1	1685.4	847.7	774.9	723.5	668.9	604.3	543.0	511.6	509.9
35°	7862.5	5548.0	1288.1	766.6	698.7	634.1	566.2	495.0	435.4	405.6	402.3
37.5°	7915.5	5268.2	1005.0	698.7	634.1	559.6	480.1	405.6	352.7	326.1	324.5
40°	8109.2	5089.4	816.2	640.7	579.4	488.4	402.3	332.7	288.0	266.5	264.9
42.5°	8521.5	5023.2	697.0	592.7	526.5	422.2	334.4	274.8	233.4	218.5	215.2
45°	9210.2	5120.8	615.8	546.4	471.8	359.3	276.5	225.2	188.7	177.2	175.5
47.5°	10127.4	5377.5	557.9	501.6	422.2	302.9	230.1	182.1	154.0	142.3	140.8
50°	11309.5	5784.7	509.9	456.9	375.8	256.6	190.4	144.0	119.2	110.9	110.9
52.5°	12595.9	6269.9	466.9	415.6	329.5	213.6	154.0	110.9	94.4	84.4	84.4
55°	13658.8	6693.6	420.5	384.1	273.2	177.2	117.6	84.4	69.5	64.6	64.6
57.5°	14720.1	7145.6	367.6	329.5	218.5	144.0	89.4	62.9	51.3	48.0	48.0
60°	16095.9	7698.6	316.3	268.2	172.1	109.3	66.2	44.7	38.1	36.4	36.4
62.5°	17609.1	8023.1	269.9	215.2	134.1	81.1	48.0	29.8	28.1	28.1	26.5
65°	18534.6	7564.5	226.8	172.1	104.3	61.3	31.5	21.5	24.9	23.2	19.8
67.5°	17354.2	5922.1	185.5	134.1	81.1	46.4	19.8	14.9	26.5	21.5	16.6
70°	14369.1	4145.7	144.0	94.4	64.6	39.8	13.2	10.0	28.1	21.5	13.2
72.5°	10753.2	2774.8	114.2	62.9	48.0	34.7	11.6	4.9	24.9	18.3	11.6
75°	5875.8	1117.6	91.1	39.8	29.8	24.9	8.3	3.4	16.6	13.2	8.3
77.5°	1546.4	294.7	66.2	26.5	16.6	10.0	4.9	1.7	8.3	6.6	3.4
80°	394.0	114.2	43.0	18.3	11.6	4.9	0.0	0.0	1.7	0.0	0.0
82.5°	210.3	48.0	26.5	13.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	158.9	31.5	14.9	8.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	61.3	10.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)