

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: P532145

Luminaire Tested: **GLAN-SA7C-727-U-T3R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532145  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA7C-727-U-T3R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24906 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

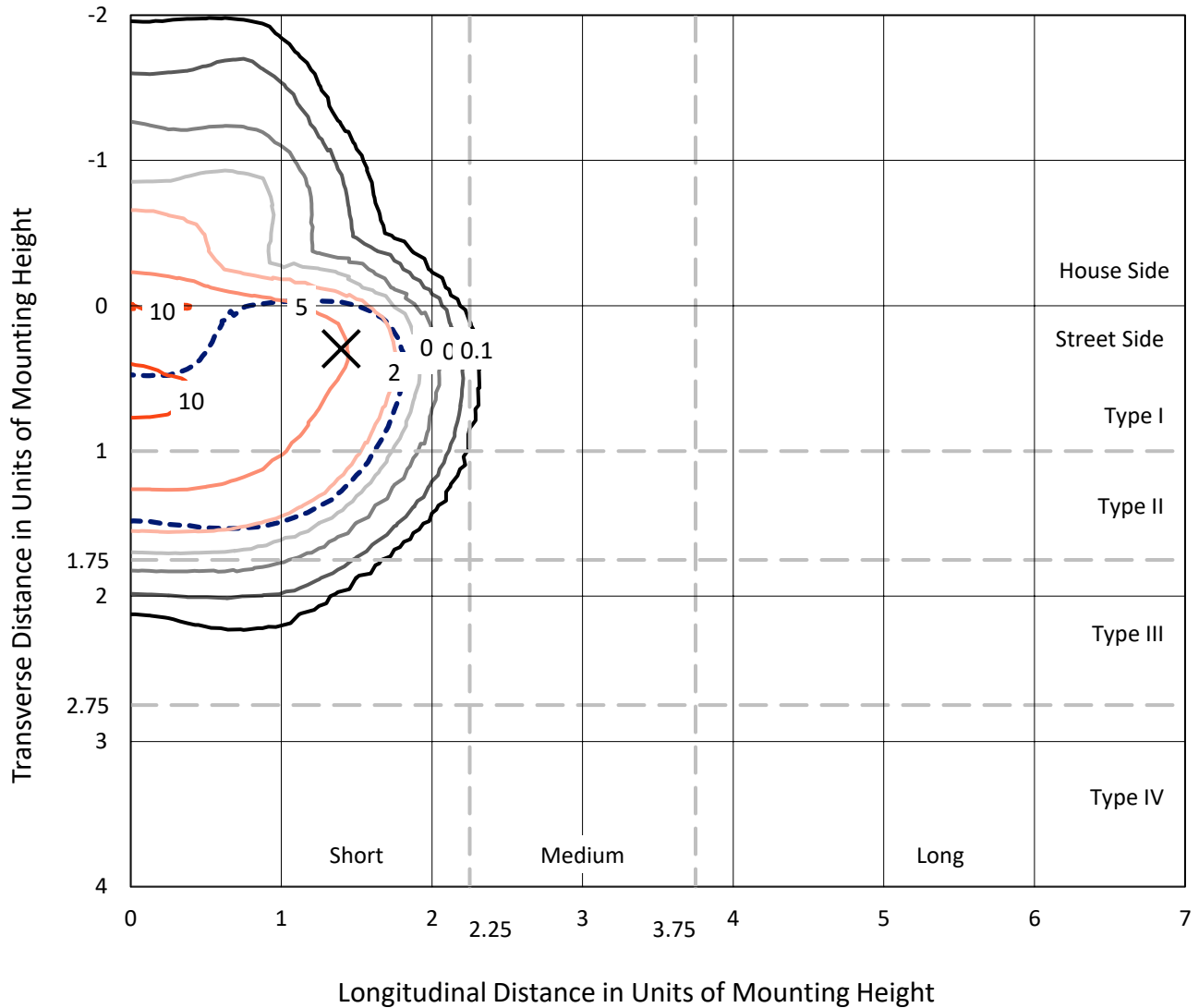
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

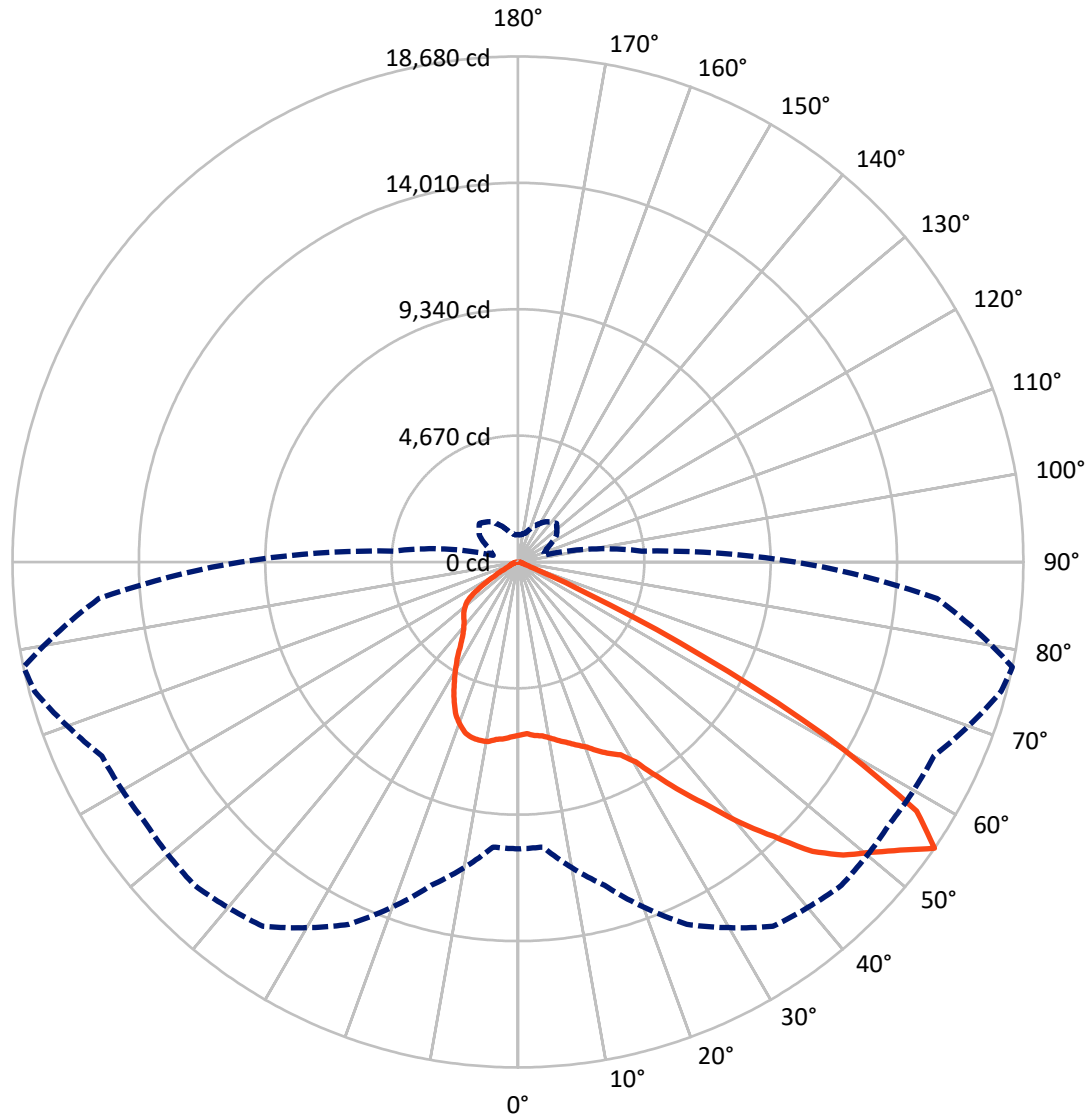
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4626.0	0.0	4626.0
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	20280.0	0.0	20280.0
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	24906.0	0.0	24906.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	571.0	2.3
10°-20°	1511.1	6.1
20°-30°	2648.7	10.6
30°-40°	4367.3	17.5
40°-50°	6355.0	25.5
50°-60°	7200.9	28.9
60°-70°	2058.9	8.3
70°-80°	159.9	0.6
80°-90°	33.3	0.1
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°	24906.0	100.0
0°-180°	24906.0	100.0

**Coefficient of Utilization**



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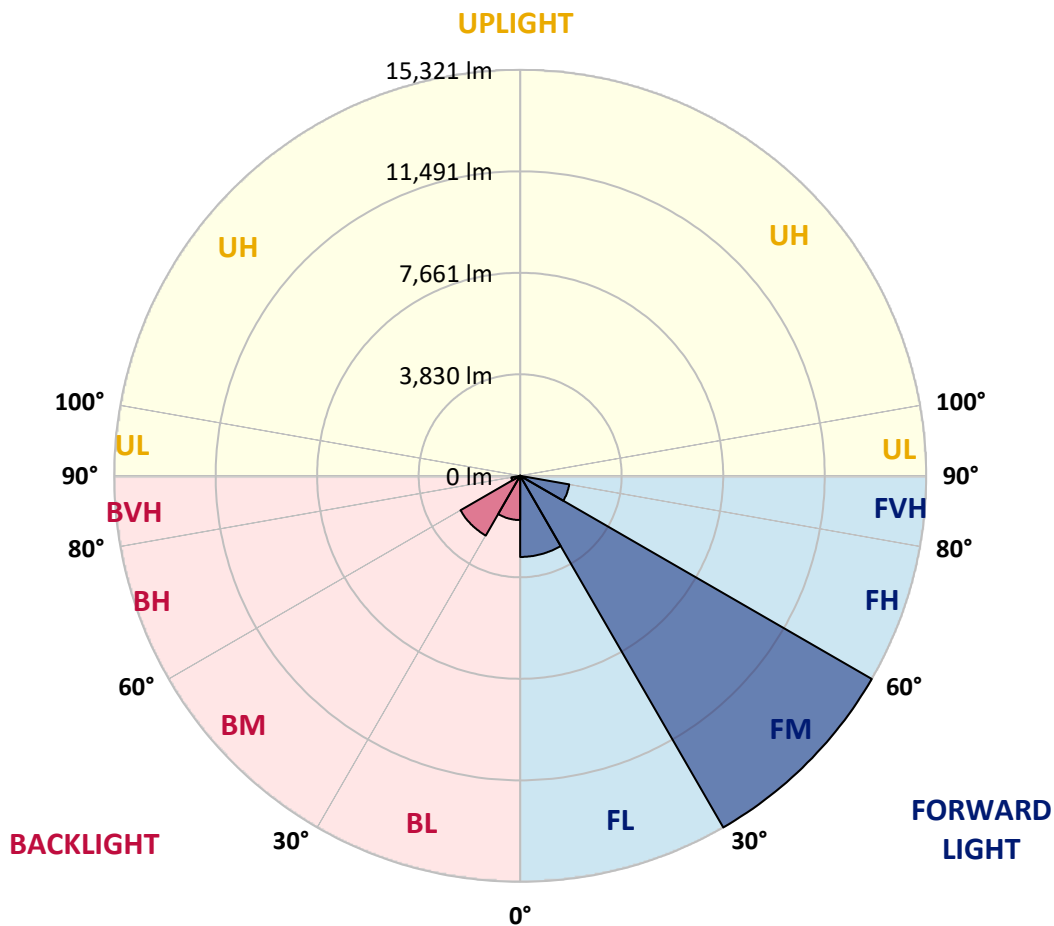
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3061.7	12.3			
FM (30°-60°)	15321.1	61.5			
FH (60°-80°)	1881.1	7.6			G2/5000
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	1669.1	6.7	B3/2500		
BM (30°-60°)	2602.2	10.4	B3/5000		
BH (60°-80°)	337.7	1.4	B1/500		G1/500
BVH (80°-90°)	17.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3
2.5°	6020.4	6078.3	6087.2	6158.4	6154.0	6274.2	6309.8	6314.3	6394.4	6354.4	6456.8
5°	5851.2	5820.0	5806.7	5931.3	5967.0	6073.8	6162.9	6216.3	6381.1	6439.0	6545.8
7.5°	5699.8	5699.8	5708.7	5820.0	5806.7	5944.7	6038.2	6203.0	6443.4	6492.4	6621.5
10°	5552.8	5499.4	5566.2	5682.0	5779.9	5842.3	6038.2	6194.1	6474.6	6617.1	6795.2
12.5°	5477.1	5503.9	5512.8	5597.4	5704.2	5891.3	5998.1	6256.4	6697.2	6781.8	6973.3
15°	5953.6	5900.2	5771.0	5695.3	5784.4	5873.4	6140.6	6403.3	6813.0	6933.2	7147.0
17.5°	6505.8	6461.2	6354.4	6149.5	5949.1	6113.9	6323.2	6563.7	6937.7	7115.8	7432.0
20°	7227.1	7155.9	7049.0	6648.3	6474.6	6296.5	6519.1	6804.1	7142.5	7302.8	7627.9
22.5°	8086.6	8086.6	7846.1	7360.7	7000.0	6830.8	6924.3	7089.1	7369.6	7587.8	7908.4
25°	8981.6	8954.9	8736.7	8233.5	7623.5	7423.1	7529.9	7645.7	7721.4	7841.7	8055.4
27.5°	10005.8	9849.9	9573.9	9017.2	8478.4	8091.0	8206.8	8104.4	8010.9	8073.2	8380.5
30°	10700.4	10798.4	10446.6	9912.3	9404.6	8972.7	8995.0	8905.9	8478.4	8567.5	8750.1
32.5°	11421.8	11484.2	11288.2	10994.3	10486.7	9983.5	9801.0	9725.3	9404.6	9444.7	9266.6
35°	12023.0	12143.2	11969.5	11840.4	11693.5	11288.2	10785.1	11030.0	10513.4	10415.5	9952.4
37.5°	12575.1	12539.5	12744.4	12610.8	12579.6	12294.6	11742.4	11791.4	11444.1	11421.8	10887.5
40°	13069.4	13078.3	13358.9	13421.2	13296.5	12788.9	11987.4	12374.8	12655.3	12682.0	11996.3
42.5°	13479.1	13599.3	13839.8	14343.0	14155.9	13309.9	12241.2	12664.2	13706.2	13871.0	13047.2
45°	13835.3	14080.2	14378.6	14828.3	14721.5	14049.1	12873.5	13260.9	14828.3	15260.3	14035.7
47.5°	13857.6	14178.2	14503.3	15171.2	15304.8	14445.4	13528.1	14204.9	15718.9	16186.5	14757.1
50°	13768.5	13937.7	14587.9	15313.7	15616.5	15091.1	14445.4	14997.5	16582.8	16876.7	15122.2
52.5°	12713.2	12842.3	14147.0	15447.3	16177.6	15821.3	15661.0	16101.9	17464.5	17682.7	15465.1
55°	10598.0	10575.8	12370.3	14774.9	16435.9	16903.4	16805.4	16961.3	18484.2	18680.1	15549.7
57.5°	7249.4	7654.6	9204.3	12303.5	14855.1	16649.6	16752.0	16493.7	17295.3	17371.0	13554.8
60°	3909.7	4078.9	5325.7	8211.2	11310.5	13568.1	13835.3	13367.8	13305.4	13091.7	9676.3
62.5°	1554.1	1638.7	2346.7	4065.5	6162.9	8246.9	8821.3	8629.8	8220.2	7659.1	5009.6
65°	739.2	792.6	1166.7	1901.4	2734.1	3437.7	4012.1	4190.2	3090.3	2783.1	1652.0
67.5°	503.2	543.3	850.5	1086.5	975.2	1019.7	1327.0	1233.5	725.8	619.0	458.7
70°	383.0	409.7	681.3	739.2	436.4	307.3	342.9	320.6	298.3	302.8	298.3
72.5°	271.6	293.9	498.7	436.4	191.5	142.5	182.6	218.2	218.2	218.2	213.7
75°	164.8	187.0	289.4	169.2	75.7	75.7	115.8	146.9	155.9	160.3	151.4
77.5°	84.6	106.9	98.0	49.0	49.0	57.9	84.6	102.4	111.3	111.3	106.9
80°	17.8	17.8	17.8	26.7	49.0	62.3	84.6	93.5	106.9	106.9	98.0
82.5°	0.0	4.5	13.4	26.7	44.5	57.9	80.2	93.5	106.9	111.3	102.4
85°	0.0	4.5	8.9	17.8	31.2	35.6	31.2	26.7	26.7	26.7	26.7
87.5°	0.0	0.0	4.5	4.5	4.5	8.9	8.9	8.9	8.9	8.9	8.9
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°	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3	6403.3
2.5°	6465.7	6479.0	6456.8	6452.3	6434.5	6488.0	6358.8	6327.6	6407.8	6332.1	6349.9
5°	6550.3	6581.5	6541.4	6474.6	6376.6	6225.2	6096.1	5926.9	5846.7	5788.8	5779.9
7.5°	6612.6	6634.9	6594.8	6381.1	6087.2	5704.2	5419.2	5210.0	5045.2	4996.2	4916.1
10°	6866.5	6870.9	6670.5	6198.5	5624.1	5120.9	4684.5	4363.9	4199.1	4096.7	4052.2
12.5°	7035.7	7026.8	6621.5	5837.8	5071.9	4404.0	3905.2	3517.8	3366.4	3317.5	3286.3
15°	7249.4	7200.4	6505.8	5468.2	4359.4	3638.1	3188.3	2921.1	2907.8	2876.6	2907.8
17.5°	7418.6	7280.6	6336.6	4795.8	3678.1	2996.8	2702.9	2720.8	2756.4	2787.5	2792.0
20°	7694.7	7409.7	5949.1	4208.0	3045.8	2569.4	2564.9	2645.1	2734.1	2769.7	2805.4
22.5°	7904.0	7463.2	5535.0	3580.2	2529.3	2395.7	2471.4	2591.6	2658.4	2694.0	2747.5
25°	7979.7	7316.2	4982.9	2952.3	2279.9	2315.5	2431.3	2511.5	2596.1	2636.1	2613.9
27.5°	8055.4	7240.5	4323.8	2431.3	2146.3	2262.1	2360.1	2440.2	2466.9	2520.4	2556.0
30°	8238.0	6977.8	3731.6	2101.8	2079.5	2226.5	2297.7	2324.4	2395.7	2426.9	2426.9
32.5°	8384.9	6875.4	3103.7	1945.9	2070.6	2244.3	2253.2	2253.2	2262.1	2239.8	2230.9
35°	8687.7	6523.6	2542.6	1852.4	2066.2	2248.7	2271.0	2195.3	1990.5	1910.3	1888.1
37.5°	9061.8	6296.5	2128.5	1830.2	2097.3	2302.2	2337.8	2052.8	1785.6	1656.5	1634.2
40°	9516.0	6136.2	1856.9	1821.3	2168.6	2426.9	2320.0	1941.5	1594.2	1407.1	1398.2
42.5°	10045.9	5989.2	1674.3	1816.8	2257.6	2556.0	2302.2	1848.0	1398.2	1273.5	1291.4
45°	10468.9	5909.1	1549.6	1785.6	2288.8	2631.7	2315.5	1683.2	1318.1	1237.9	1246.8
47.5°	10798.4	5739.9	1447.2	1732.2	2284.4	2658.4	2195.3	1616.4	1278.0	1300.3	1322.5
50°	10807.3	5512.8	1318.1	1616.4	2217.6	2609.4	2057.3	1554.1	1269.1	1362.6	1407.1
52.5°	10687.1	5192.1	1180.0	1451.7	2061.7	2440.2	1932.6	1527.4	1229.0	1220.1	1273.5
55°	10259.6	4591.0	948.5	1175.6	1741.1	2012.7	1821.3	1478.4	1108.8	1006.4	1015.3
57.5°	8291.4	3290.7	699.1	841.6	1233.5	1473.9	1643.1	1456.1	997.5	855.0	859.4
60°	5134.3	1865.8	512.1	574.4	761.5	895.0	1331.4	1353.7	890.6	721.4	712.5
62.5°	2636.1	921.8	396.3	405.2	467.6	525.4	912.9	1135.5	806.0	685.8	685.8
65°	881.7	454.2	347.3	311.7	311.7	325.1	552.2	788.2	681.3	574.4	574.4
67.5°	378.5	338.4	302.8	271.6	249.4	236.0	311.7	458.7	507.6	436.4	418.6
70°	293.9	285.0	262.7	227.1	195.9	178.1	182.6	236.0	289.4	280.5	271.6
72.5°	218.2	218.2	209.3	178.1	151.4	129.1	120.2	124.7	138.0	142.5	146.9
75°	151.4	155.9	155.9	138.0	111.3	93.5	80.2	66.8	53.4	44.5	40.1
77.5°	102.4	106.9	115.8	102.4	84.6	62.3	49.0	35.6	22.3	8.9	8.9
80°	89.1	102.4	111.3	102.4	89.1	66.8	49.0	26.7	13.4	0.0	0.0
82.5°	93.5	102.4	115.8	98.0	84.6	62.3	49.0	31.2	13.4	4.5	0.0
85°	22.3	22.3	26.7	31.2	40.1	44.5	35.6	22.3	13.4	4.5	0.0
87.5°	8.9	8.9	8.9	8.9	8.9	4.5	4.5	4.5	4.5	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)