

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: P458765

Luminaire Tested: **GLAN-SA3A-735-U-T2R**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P458765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3A-735-U-T2R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12961 lumens  
Efficiency: N/A  
Efficacy: 139.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

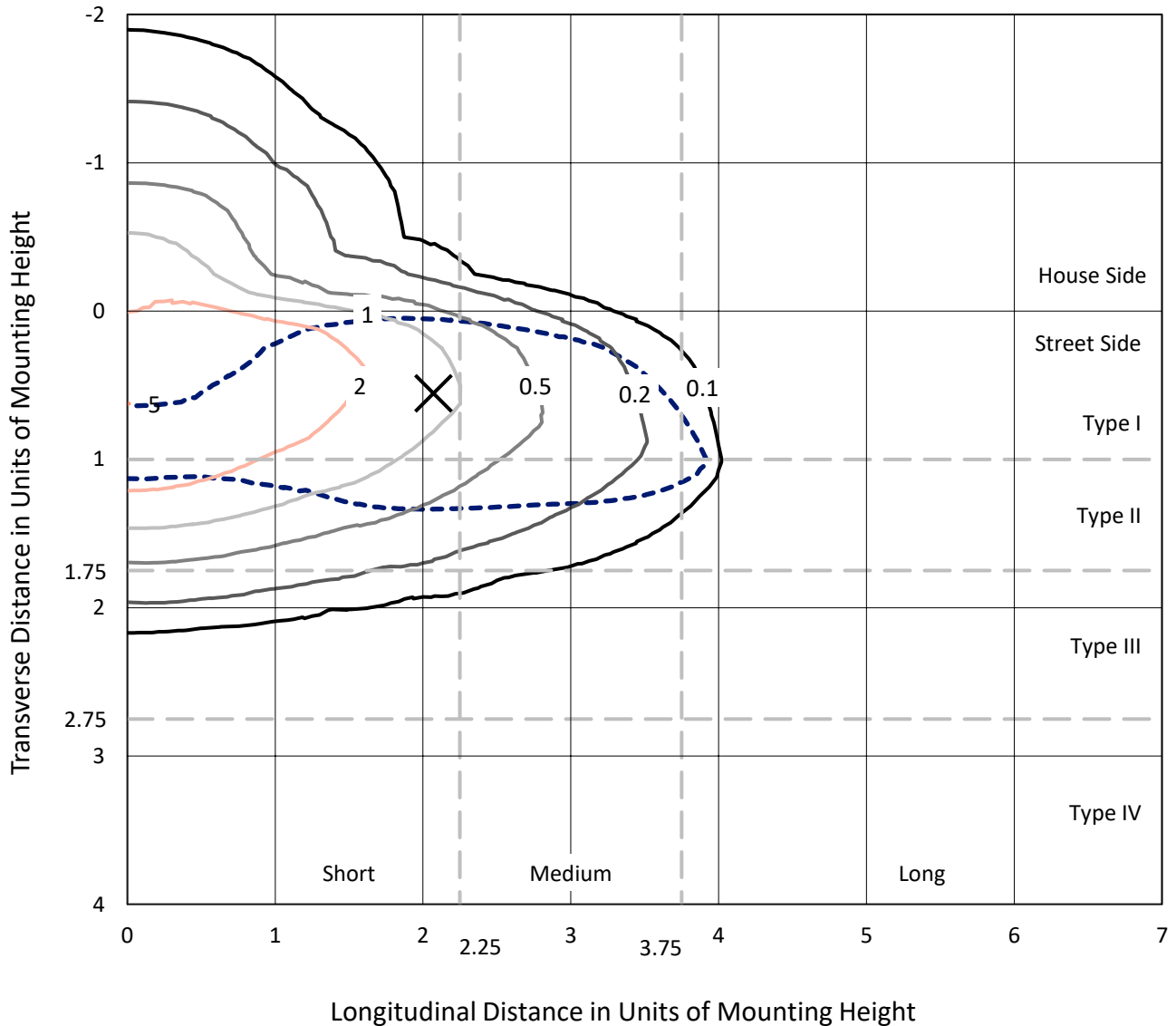
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

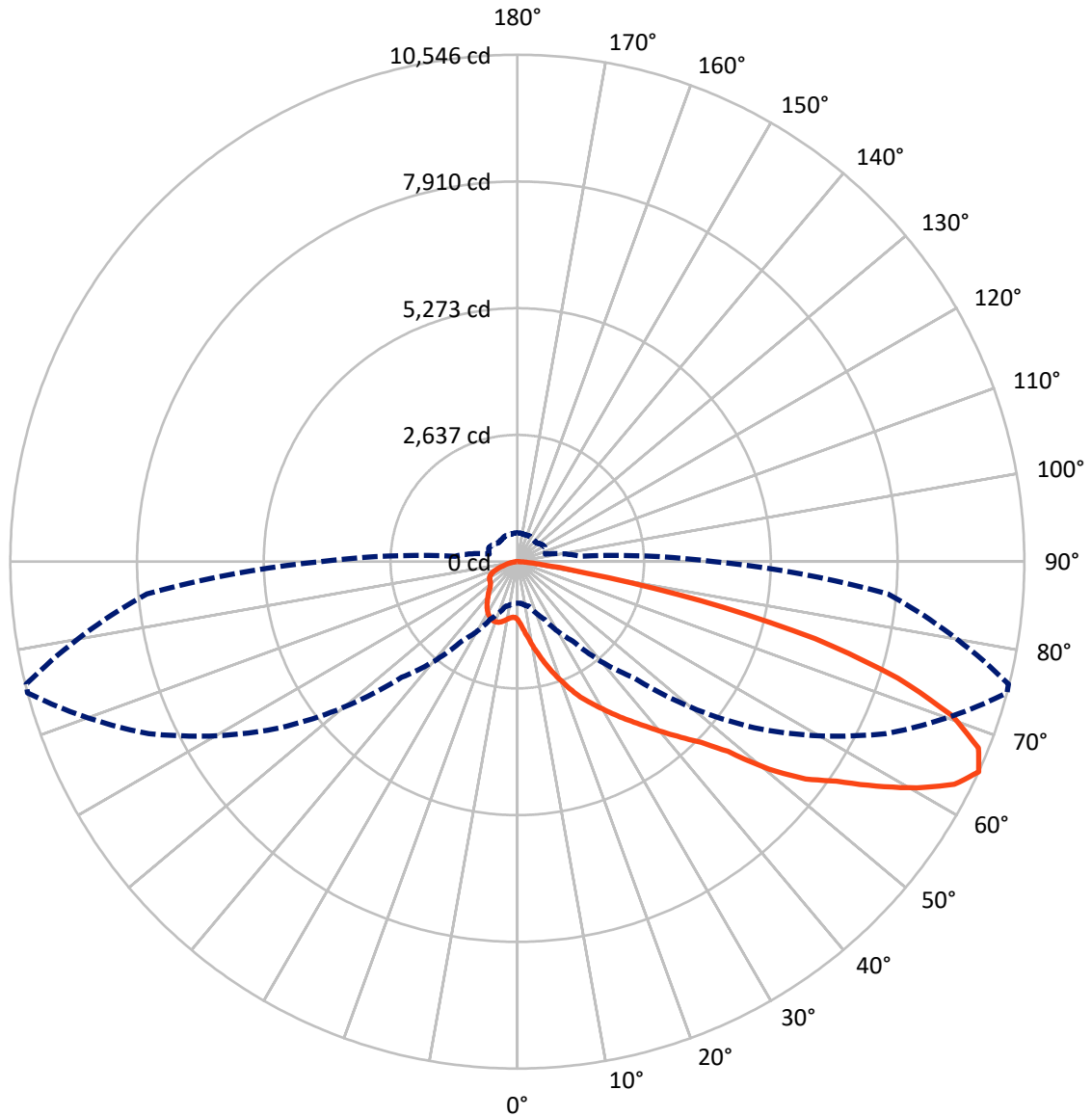
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2178.9	0.0	2178.9
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	10782.1	0.0	10782.1
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	12961.0	0.0	12961.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.3	1.1
10°-20°	573.1	4.4
20°-30°	1107.0	8.5
30°-40°	1798.1	13.9
40°-50°	2473.5	19.1
50°-60°	2920.3	22.5
60°-70°	2558.7	19.7
70°-80°	1221.5	9.4
80°-90°	162.5	1.3
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°	12961.0	100.0
0°-180°	12961.0	100.0

**Coefficient of Utilization**



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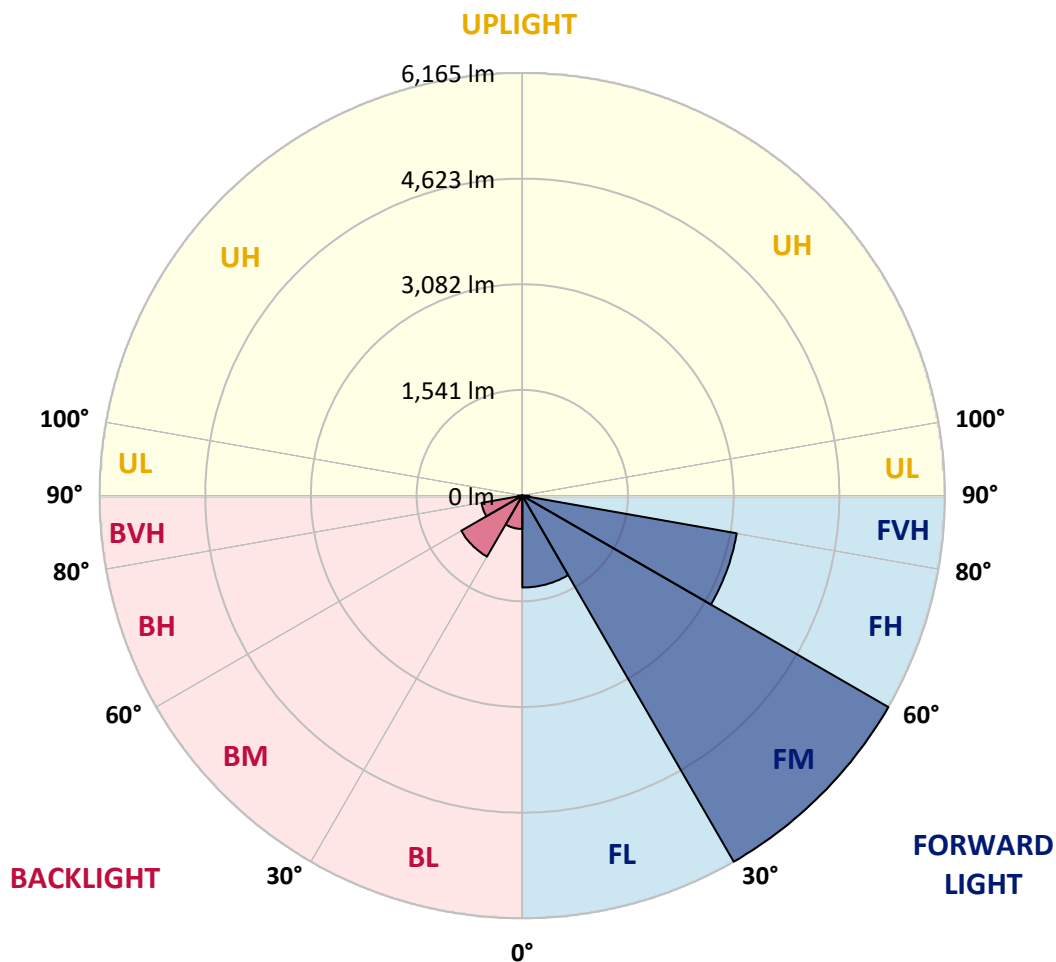
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1340.0	10.3			
FM	(30°-60°)	6164.5	47.6			
FH	(60°-80°)	3176.0	24.5			G2/5000
FVH	(80°-90°)	101.6	0.8			G2/225
BL	(0°-30°)	486.4	3.8	B1/500		
BM	(30°-60°)	1027.3	7.9	B2/2500		
BH	(60°-80°)	604.2	4.7	B2/1000		G2/1000
BVH	(80°-90°)	61.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2
2.5°	1600.0	1589.5	1578.2	1547.3	1514.3	1477.0	1423.6	1372.3	1304.1	1302.0	1251.3
5°	2043.6	2036.6	1986.7	1957.9	1881.2	1779.3	1692.8	1558.6	1434.1	1419.4	1320.9
7.5°	2451.4	2423.9	2405.0	2352.9	2277.0	2146.3	1978.9	1797.6	1589.5	1569.8	1406.7
10°	2758.6	2755.8	2745.9	2700.9	2644.0	2513.9	2328.3	2068.2	1786.3	1747.7	1510.7
12.5°	2988.5	2990.6	2989.2	2988.5	2947.7	2837.3	2636.3	2362.1	1985.3	1957.9	1631.0
15°	3139.6	3160.7	3169.1	3204.3	3207.8	3134.0	2961.0	2646.1	2209.5	2168.8	1760.3
17.5°	3239.4	3250.0	3289.3	3349.1	3397.6	3384.2	3230.3	2909.0	2438.7	2370.5	1894.6
20°	3335.0	3353.3	3383.5	3465.1	3550.9	3590.2	3482.0	3178.3	2665.8	2622.2	2042.9
22.5°	3534.0	3560.0	3570.5	3612.0	3685.1	3754.7	3705.5	3436.3	2914.6	2855.6	2200.4
25°	3870.7	3898.1	3868.6	3858.8	3882.7	3917.1	3906.6	3679.5	3149.4	3065.1	2349.4
27.5°	4309.4	4312.9	4255.3	4200.4	4141.4	4123.8	4091.5	3895.3	3353.3	3283.0	2499.2
30°	4780.4	4763.5	4667.9	4568.8	4469.0	4370.6	4277.8	4103.4	3580.4	3499.5	2646.1
32.5°	5217.7	5208.5	5102.4	4948.4	4779.7	4686.9	4499.2	4313.6	3823.6	3745.6	2797.2
35°	5545.3	5558.6	5441.9	5273.9	5089.7	5007.5	4770.6	4534.4	4075.3	3990.2	2961.7
37.5°	5778.0	5770.9	5667.6	5522.1	5360.4	5288.7	5087.6	4775.5	4346.0	4264.4	3141.7
40°	5860.9	5856.7	5780.1	5673.9	5571.3	5546.0	5419.4	5035.6	4656.0	4560.4	3358.2
42.5°	5808.2	5817.3	5766.7	5737.9	5718.9	5737.2	5749.1	5376.6	4994.1	4906.2	3593.0
45°	5646.5	5641.6	5634.6	5681.7	5788.5	5908.7	6075.3	5698.5	5361.8	5291.5	3908.0
47.5°	5357.6	5392.7	5410.3	5540.4	5773.7	6058.5	6450.7	6130.2	5895.4	5834.2	4388.1
50°	4953.3	4981.5	5085.5	5316.8	5664.8	6114.7	6817.7	6836.0	6785.4	6670.8	4909.8
52.5°	4322.0	4365.6	4580.1	5004.0	5441.2	6091.5	7039.9	7441.3	7508.0	7422.3	5423.7
55°	3615.5	3676.7	3903.1	4459.1	5133.3	5965.0	7193.1	7792.1	8058.5	7979.1	5918.6
57.5°	2923.8	2988.5	3221.2	3759.6	4596.2	5685.2	7293.6	8182.9	8807.9	8704.6	6534.4
60°	2191.3	2258.7	2458.4	3013.1	3831.4	5138.2	7225.4	8521.8	9556.6	9512.3	7150.9
62.5°	1413.7	1488.3	1661.9	2121.0	2944.9	4390.9	6860.6	8708.8	10204.8	10151.3	7600.8
65°	861.2	869.6	965.2	1316.7	2015.5	3399.7	6026.1	8460.6	10546.4	10530.3	7737.9
67.5°	556.8	570.1	613.7	788.8	1208.5	2361.4	4818.4	7641.6	10346.8	10341.1	7454.6
70°	470.3	474.5	494.2	532.2	702.3	1432.0	3383.5	6336.1	9588.2	9588.2	6773.4
72.5°	420.4	426.0	433.0	445.0	501.2	811.3	2019.0	4932.3	8278.5	8333.4	5765.3
75°	381.7	380.3	384.5	386.7	427.4	530.1	1044.0	3647.9	6404.3	6294.7	4175.1
77.5°	326.9	329.0	326.9	336.0	377.5	403.5	530.1	2447.8	3881.3	3739.3	2095.6
80°	268.5	272.1	275.6	281.2	322.7	306.5	318.5	1115.7	1435.5	1405.3	647.5
82.5°	201.8	206.7	212.3	225.7	253.8	202.5	201.1	476.6	518.1	474.5	238.3
85°	81.5	96.3	145.5	158.9	159.6	111.1	123.7	198.9	211.6	206.7	93.5
87.5°	19.0	22.5	47.1	71.0	65.4	41.5	45.7	64.7	73.8	68.2	31.6
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°	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2
2.5°	1228.1	1203.5	1161.4	1129.0	1105.8	1085.4	1072.8	1065.0	1062.2	1061.5	1062.2
5°	1269.6	1226.0	1159.2	1117.1	1093.9	1080.5	1072.8	1072.1	1072.8	1073.5	1071.4
7.5°	1326.6	1264.0	1176.8	1137.5	1119.9	1110.0	1106.5	1105.1	1105.8	1105.1	1105.1
10°	1402.5	1316.7	1211.3	1170.5	1155.7	1144.5	1138.9	1135.3	1132.5	1129.7	1128.3
12.5°	1486.1	1375.1	1248.5	1209.2	1188.1	1170.5	1157.8	1148.7	1142.4	1136.0	1134.6
15°	1579.6	1436.9	1290.0	1235.2	1204.9	1178.9	1157.1	1142.4	1131.1	1122.0	1121.3
17.5°	1668.9	1495.3	1318.1	1247.1	1202.8	1166.3	1137.5	1117.1	1103.0	1091.1	1089.7
20°	1764.5	1550.8	1330.8	1239.4	1181.7	1137.5	1099.5	1074.9	1058.7	1045.4	1043.3
22.5°	1860.8	1597.9	1329.4	1214.8	1145.2	1093.2	1053.1	1027.1	1008.1	994.7	989.8
25°	1952.9	1635.9	1311.8	1175.4	1094.6	1040.4	999.7	975.8	958.9	942.7	942.7
27.5°	2035.9	1658.4	1278.8	1127.6	1042.6	985.6	953.3	931.5	916.0	905.5	899.1
30°	2117.4	1668.9	1233.8	1067.2	987.7	939.2	913.2	900.5	886.5	874.5	873.1
32.5°	2190.6	1666.8	1177.5	1008.1	935.7	901.2	890.7	880.9	866.1	849.2	845.0
35°	2261.6	1652.8	1110.7	943.4	892.1	878.8	881.6	867.5	840.8	819.7	816.2
37.5°	2338.9	1627.4	1037.6	890.7	855.6	868.2	875.2	844.3	800.7	767.7	759.9
40°	2428.2	1598.6	961.7	838.0	826.7	858.4	858.4	801.4	741.7	721.3	715.7
42.5°	2532.9	1574.7	898.4	793.7	802.8	834.5	830.9	744.5	719.9	709.3	706.5
45°	2698.8	1566.3	833.1	755.0	783.1	806.3	777.5	724.8	710.7	702.3	699.5
47.5°	2961.0	1576.1	775.4	726.2	760.6	778.2	717.8	711.4	701.6	689.6	688.2
50°	3204.3	1567.0	734.6	710.0	741.0	744.5	693.2	695.3	689.6	676.3	673.5
52.5°	3403.2	1538.2	708.6	701.6	724.1	685.4	670.0	677.7	675.6	658.7	655.9
55°	3621.9	1520.6	696.0	701.6	712.8	634.1	648.2	659.4	656.6	644.7	643.9
57.5°	3886.9	1524.1	686.8	703.7	701.6	608.1	626.4	639.7	639.0	635.5	635.5
60°	4158.3	1525.5	672.8	703.0	688.2	587.7	603.9	622.9	624.3	626.4	626.4
62.5°	4248.2	1464.4	645.4	690.3	658.7	568.0	582.8	608.8	607.4	613.0	613.7
65°	4080.2	1294.9	604.6	661.5	620.7	554.0	566.6	590.5	582.8	597.6	600.4
67.5°	3714.0	1071.4	541.3	609.5	578.6	539.2	556.1	565.2	551.2	580.0	580.7
70°	3209.9	836.6	461.2	535.7	530.8	523.7	547.6	533.6	513.9	549.0	542.0
72.5°	2684.1	639.0	368.4	438.0	466.8	500.5	532.9	492.8	465.4	475.9	463.3
75°	2016.2	472.4	296.0	343.1	388.8	467.5	519.5	443.6	401.4	391.6	388.8
77.5°	1027.8	308.6	221.4	256.6	291.7	422.5	501.2	385.9	332.5	317.1	310.0
80°	367.0	191.9	156.1	177.2	196.8	363.5	438.0	319.2	258.0	255.2	258.0
82.5°	170.1	123.7	104.7	116.0	116.7	242.5	333.9	238.3	196.1	298.1	251.7
85°	73.1	61.9	59.1	57.6	53.4	108.3	187.7	127.9	199.7	89.3	82.3
87.5°	21.8	24.6	21.8	16.2	12.0	12.0	19.0	7.0	4.9	3.5	3.5
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)