

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P636236

Luminaire Tested: GWS-SA3F-735-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-735-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23926.2 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

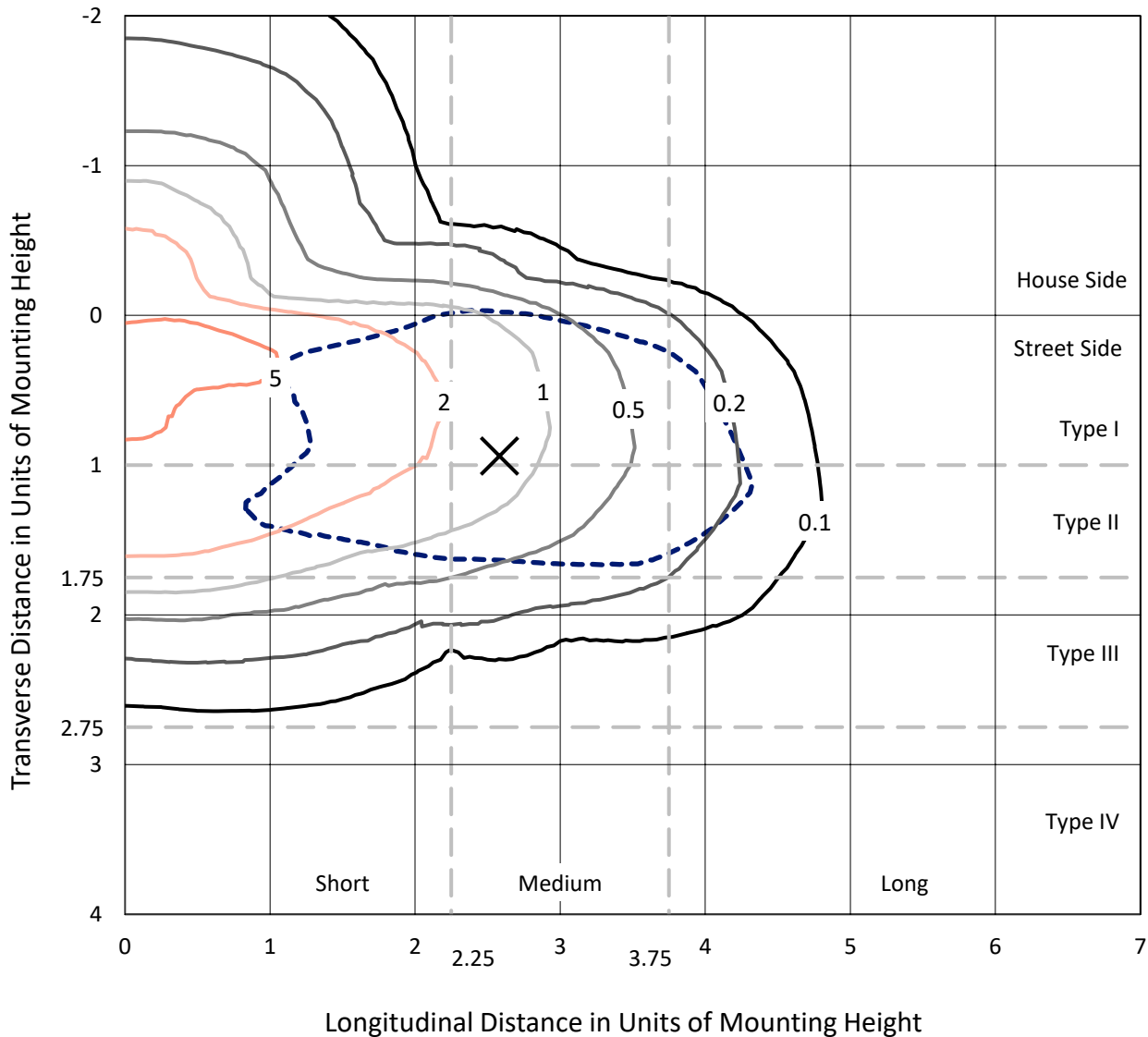
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

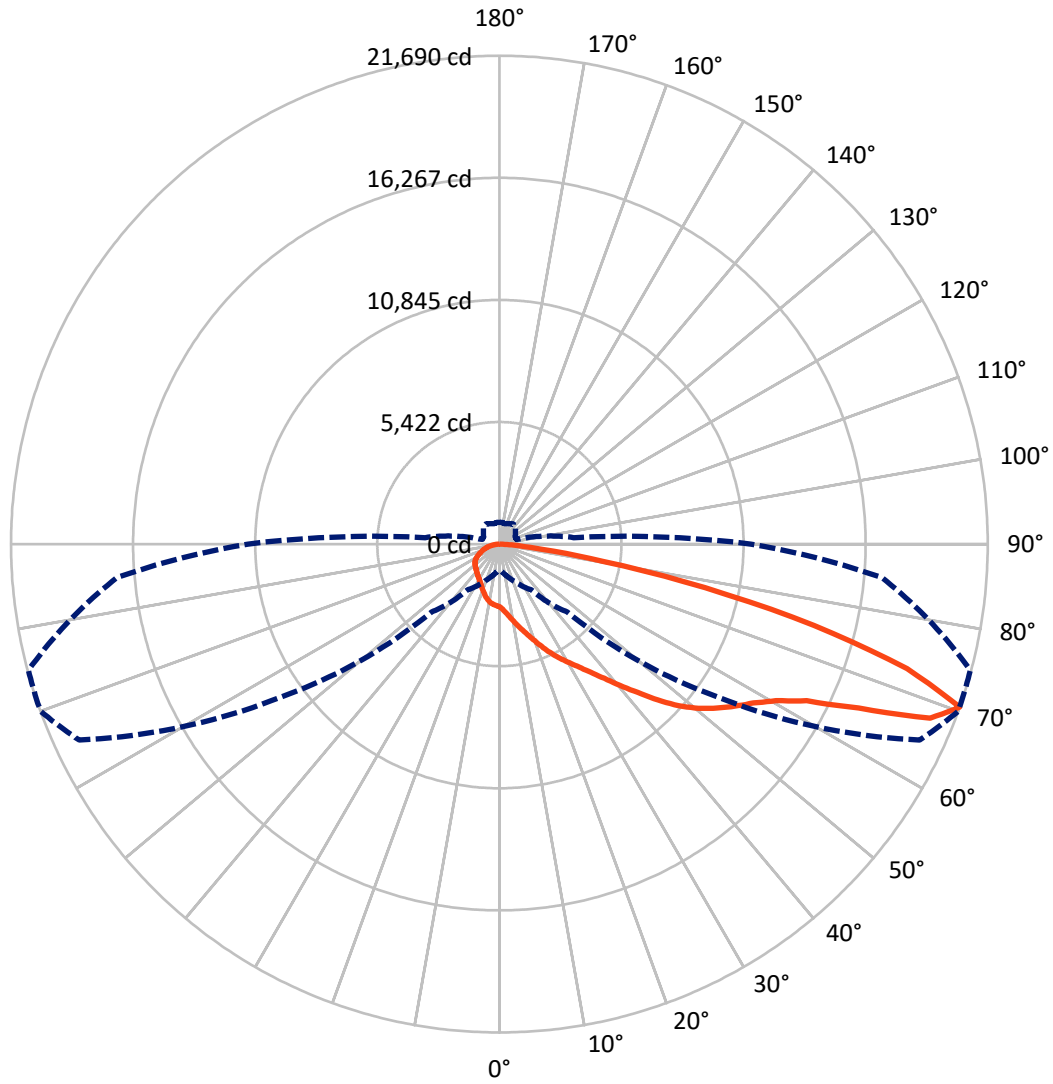
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4287.6	0.0	4287.6
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	19638.6	0.0	19638.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	23926.2	0.0	23926.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.6	1.2
10°-20°	922.6	3.9
20°-30°	1634.3	6.8
30°-40°	2459.7	10.3
40°-50°	3721.3	15.6
50°-60°	5330.9	22.3
60°-70°	5892.7	24.6
70°-80°	3325.4	13.9
80°-90°	355.7	1.5
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°	23926.2	100.0
0°-180°	23926.2	100.0

Coefficient of Utilization



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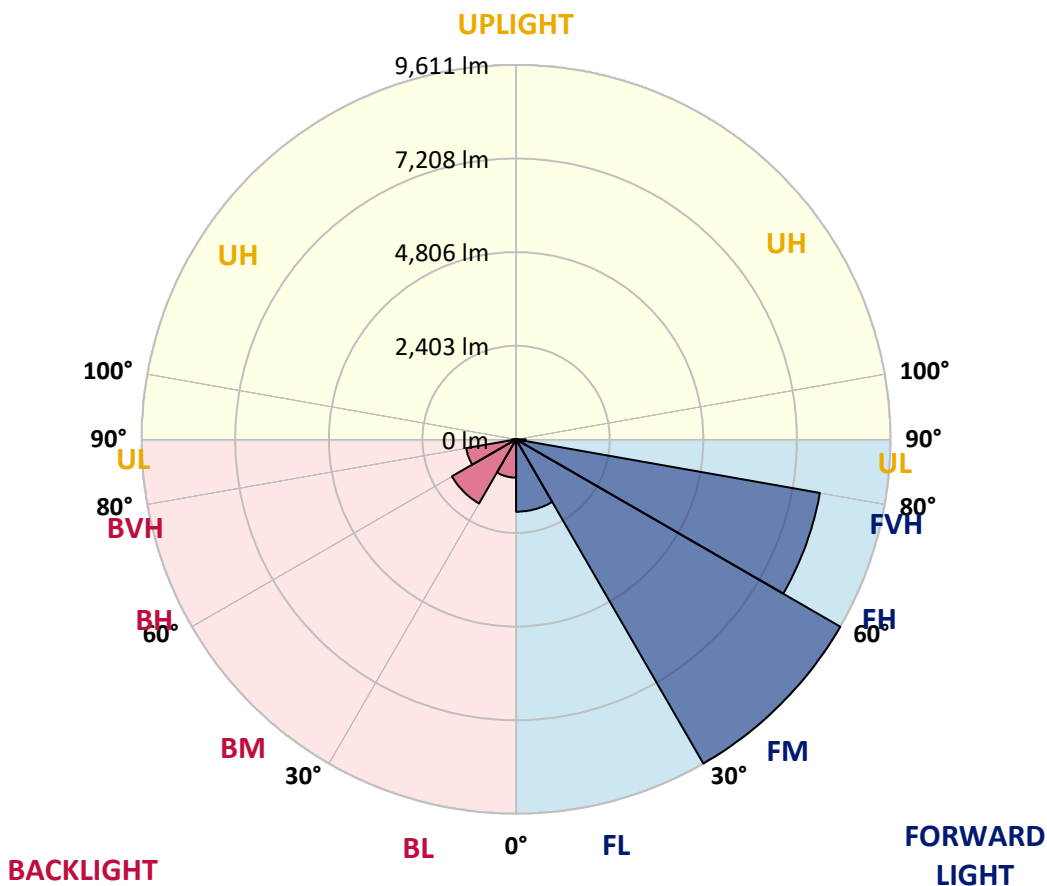
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1857.4	7.8			
FM (30°-60°)	9611.1	40.2			
FH (60°-80°)	7918.6	33.1			G4/12000
FVH (80°-90°)	251.4	1.1			G3/500
BL (0°-30°)	983.1	4.1	B2/1000		
BM (30°-60°)	1900.7	7.9	B2/2500		
BH (60°-80°)	1299.5	5.4	B3/2500		G3/2500
BVH (80°-90°)	104.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3
2.5°	3091.1	3085.9	3089.4	3085.9	3066.9	3020.2	2982.2	2933.8	2900.9	2881.9	2837.0
5°	3454.2	3449.0	3436.9	3419.6	3385.0	3321.0	3225.9	3120.5	3056.5	3008.1	2913.0
7.5°	3715.2	3715.2	3713.5	3692.7	3668.5	3601.1	3488.7	3350.4	3257.1	3174.1	3018.5
10°	3848.3	3857.0	3869.1	3898.5	3893.3	3857.0	3751.5	3602.8	3485.3	3388.5	3156.8
12.5°	3920.9	3926.1	3946.9	4007.4	4069.6	4078.2	4016.0	3860.4	3732.5	3602.8	3310.7
15°	4014.3	4016.0	4043.7	4116.3	4207.9	4299.5	4284.0	4128.4	3997.0	3853.5	3481.8
17.5°	4086.9	4099.0	4149.1	4233.8	4347.9	4474.1	4550.2	4453.4	4290.9	4126.7	3668.5
20°	4112.8	4121.5	4187.2	4316.8	4472.4	4650.5	4819.9	4794.0	4629.7	4436.1	3879.4
22.5°	4206.2	4206.2	4254.6	4363.5	4546.8	4806.1	5081.0	5148.4	5003.2	4776.7	4105.9
25°	4411.9	4405.0	4427.5	4472.4	4610.7	4930.6	5338.5	5540.8	5378.3	5124.2	4332.4
27.5°	4693.7	4690.2	4688.5	4695.4	4742.1	5039.5	5556.4	5907.3	5744.8	5457.8	4534.7
30°	4999.7	4989.3	5011.8	4991.1	4980.7	5169.1	5741.4	6235.8	6109.6	5788.0	4702.3
32.5°	5416.3	5397.3	5392.1	5324.7	5283.2	5371.4	5890.0	6609.2	6508.9	6144.2	4890.8
35°	5966.1	5948.8	5860.6	5753.5	5630.7	5672.2	6075.0	6974.0	6980.9	6590.2	5138.0
37.5°	6521.1	6524.5	6455.4	6203.0	6076.7	6052.5	6356.8	7418.3	7567.0	7122.7	5457.8
40°	6982.6	7003.4	7003.4	6737.2	6548.7	6526.2	6752.7	7945.6	8241.2	7776.2	5862.4
42.5°	7333.6	7352.6	7413.1	7221.2	7022.4	7100.2	7233.3	8474.6	9005.3	8583.5	6374.1
45°	7719.1	7734.7	7767.5	7656.9	7541.0	7748.5	7777.9	9107.3	9880.1	9489.4	6968.8
47.5°	8230.8	8217.0	8220.5	8139.2	8049.3	8384.7	8377.8	9639.8	10725.5	10481.7	7613.7
50°	8867.0	8893.0	8868.8	8708.0	8602.5	8908.5	8948.3	10229.3	11468.9	11463.7	8263.7
52.5°	9479.0	9489.4	9617.3	9624.3	9408.2	9344.2	9447.9	10824.0	12096.4	12362.7	8887.8
55°	9510.2	9549.9	9933.7	10210.3	10559.5	10046.1	9952.7	11391.1	12703.3	13242.6	9536.1
57.5°	8848.0	8912.0	9563.7	10160.2	11131.8	11251.1	10817.1	12124.1	13310.1	14108.8	10286.4
60°	7433.9	7567.0	8452.1	9364.9	10874.2	12117.2	12585.7	13119.9	14107.0	14993.9	11197.5
62.5°	4747.3	4799.2	6040.4	7568.7	9714.2	12032.5	14511.6	14874.6	15320.7	16147.0	12601.3
65°	2377.1	2543.1	3270.9	4517.4	7005.1	10602.8	15484.9	18088.5	17542.2	18121.3	14876.4
67.5°	1613.0	1666.6	2034.8	2714.2	4107.6	7511.7	14881.5	20795.8	20635.0	20730.1	17301.9
70°	1189.4	1224.0	1514.4	1922.4	2484.3	4265.0	11847.5	20591.8	21689.6	21655.0	17047.7
72.5°	867.9	885.1	1104.7	1467.8	1841.2	2206.0	7235.0	16634.6	18933.9	19931.4	14909.2
75°	631.0	651.8	767.6	1097.8	1431.5	1376.1	3571.7	12015.2	14439.0	16357.9	12146.6
77.5°	470.2	496.2	549.8	688.1	1002.7	985.4	1543.8	7802.1	9339.0	10684.0	7378.5
80°	338.8	344.0	375.2	440.8	636.2	577.4	734.7	4067.9	4664.3	5110.3	2892.3
82.5°	205.7	210.9	250.7	271.4	394.2	363.0	382.1	1317.3	1887.9	2003.7	1080.5
85°	60.5	64.0	114.1	124.5	164.2	155.6	153.9	535.9	639.7	817.7	425.3
87.5°	0.0	0.0	0.0	0.0	1.7	10.4	19.0	95.1	143.5	198.8	103.7
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°	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3	2790.3
2.5°	2819.7	2779.9	2759.2	2722.9	2696.9	2671.0	2645.1	2620.9	2610.5	2594.9	2598.4
5°	2869.8	2807.6	2745.3	2674.5	2614.0	2563.8	2518.9	2479.1	2461.8	2446.3	2453.2
7.5°	2945.9	2852.5	2733.2	2603.6	2508.5	2439.3	2392.7	2365.0	2356.4	2344.3	2344.3
10°	3042.7	2902.7	2693.5	2508.5	2394.4	2339.1	2318.3	2316.6	2325.2	2327.0	2323.5
12.5°	3149.9	2951.1	2634.7	2396.1	2299.3	2282.0	2297.6	2327.0	2356.4	2371.9	2368.5
15°	3260.5	2982.2	2534.4	2288.9	2230.2	2252.6	2302.8	2361.5	2418.6	2448.0	2446.3
17.5°	3364.3	2989.1	2404.8	2185.2	2169.6	2226.7	2313.1	2404.8	2482.6	2524.1	2525.8
20°	3480.1	2977.0	2271.6	2091.9	2109.1	2202.5	2316.6	2427.2	2518.9	2560.4	2570.7
22.5°	3585.5	2935.5	2142.0	2003.7	2057.3	2173.1	2288.9	2392.7	2473.9	2513.7	2527.5
25°	3680.6	2856.0	2000.2	1929.3	2017.5	2131.6	2219.8	2292.4	2349.4	2373.6	2392.7
27.5°	3732.5	2736.7	1893.0	1870.6	1979.5	2072.8	2121.2	2143.7	2162.7	2155.8	2169.6
30°	3742.9	2588.0	1799.7	1823.9	1922.4	1991.6	2002.0	1979.5	1946.6	1893.0	1905.1
32.5°	3732.5	2416.9	1721.9	1773.8	1858.5	1900.0	1886.1	1827.3	1747.8	1664.8	1670.0
35°	3735.9	2244.0	1657.9	1718.4	1784.1	1806.6	1772.0	1690.8	1606.1	1530.0	1526.5
37.5°	3774.0	2098.8	1604.3	1664.8	1711.5	1715.0	1676.9	1592.2	1549.0	1492.0	1485.0
40°	3879.4	1991.6	1555.9	1611.2	1640.6	1638.9	1595.7	1535.2	1564.6	1545.6	1540.4
42.5°	4052.3	1925.9	1516.2	1554.2	1574.9	1578.4	1543.8	1505.8	1569.8	1545.6	1536.9
45°	4330.7	1922.4	1488.5	1497.1	1530.0	1554.2	1530.0	1486.8	1511.0	1393.4	1370.9
47.5°	4660.9	1981.2	1467.8	1447.0	1504.1	1547.3	1509.2	1440.1	1390.0	1282.8	1267.2
50°	5058.5	2100.5	1448.7	1393.4	1466.0	1521.3	1483.3	1388.2	1312.2	1255.1	1246.5
52.5°	5530.4	2257.8	1424.5	1332.9	1409.0	1507.5	1483.3	1383.0	1282.8	1230.9	1222.3
55°	6024.9	2439.3	1396.9	1260.3	1345.0	1511.0	1495.4	1346.7	1260.3	1232.6	1225.7
57.5°	6638.6	2657.2	1346.7	1175.6	1288.0	1479.9	1447.0	1326.0	1244.7	1222.3	1215.3
60°	7435.6	2980.5	1251.7	1089.1	1222.3	1424.5	1403.8	1291.4	1203.2	1184.2	1179.0
62.5°	8697.6	3528.5	1135.8	1006.2	1144.5	1308.7	1339.8	1225.7	1151.4	1149.7	1147.9
65°	10754.9	4187.2	999.2	931.8	1063.2	1213.6	1255.1	1158.3	1097.8	1116.8	1115.1
67.5°	12196.7	4244.2	886.9	854.0	968.1	1109.9	1170.4	1089.1	1023.5	1059.8	1058.0
70°	11171.5	3310.7	790.1	772.8	866.1	997.5	1078.8	1002.7	937.0	971.6	964.7
72.5°	9422.0	2537.9	698.4	688.1	762.4	880.0	961.2	916.3	847.1	847.1	831.6
75°	7572.2	2093.6	601.6	596.4	646.6	760.7	852.3	776.2	712.3	708.8	698.4
77.5°	4342.8	1372.7	504.8	501.4	516.9	636.2	662.1	646.6	598.2	575.7	568.8
80°	1730.5	714.0	397.6	375.2	390.7	466.8	522.1	496.2	454.7	427.0	411.5
82.5°	670.8	357.9	280.1	245.5	268.0	337.1	378.6	370.0	342.3	280.1	262.8
85°	273.2	174.6	167.7	141.8	155.6	181.5	217.8	188.4	155.6	110.6	105.5
87.5°	72.6	64.0	62.2	38.0	29.4	8.6	1.7	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)