

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: P636401

Luminaire Tested: GWS-SA3F-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636401
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-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24474.5 lumens
Efficiency: N/A
Efficacy: 133.6 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

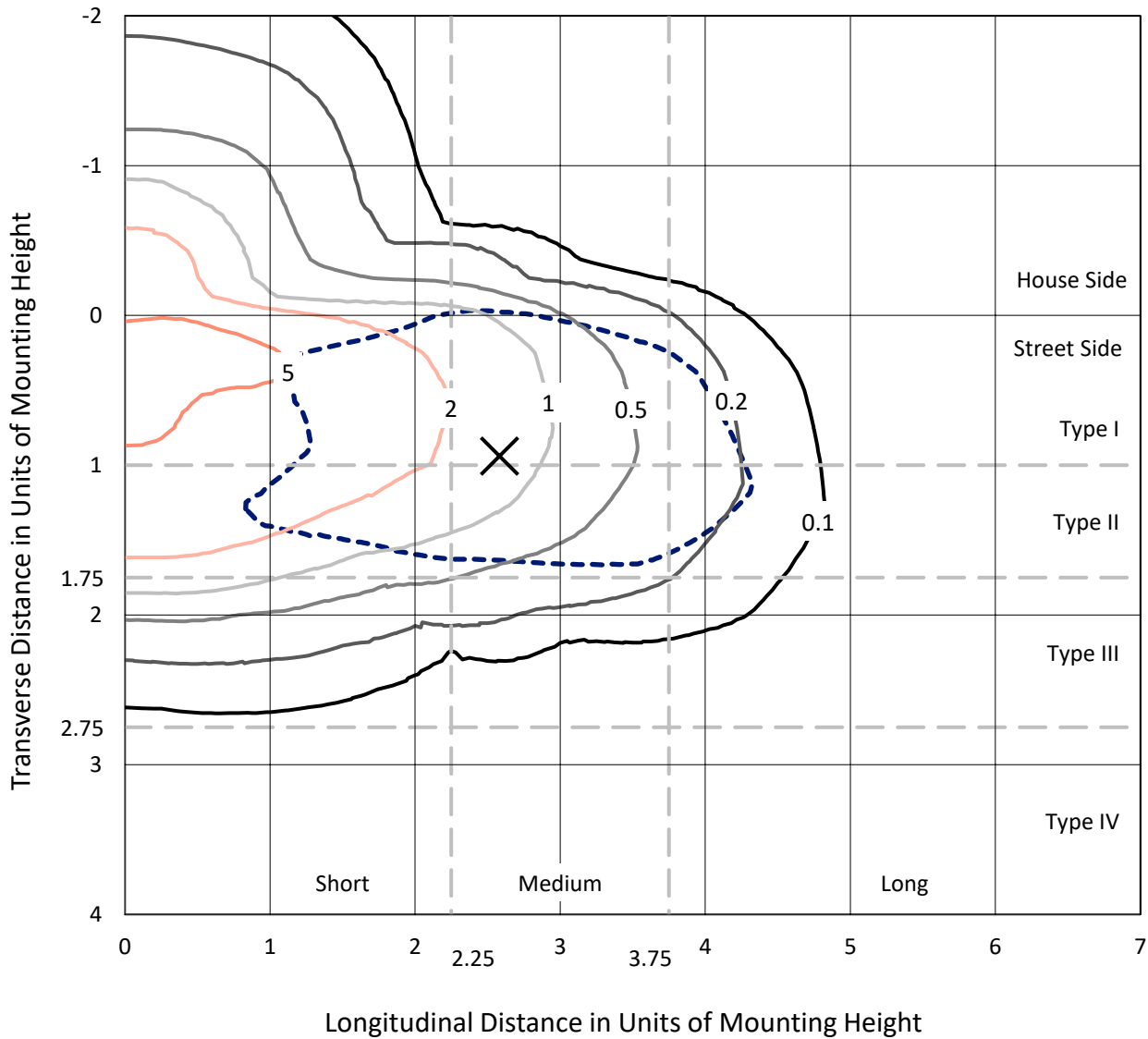
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

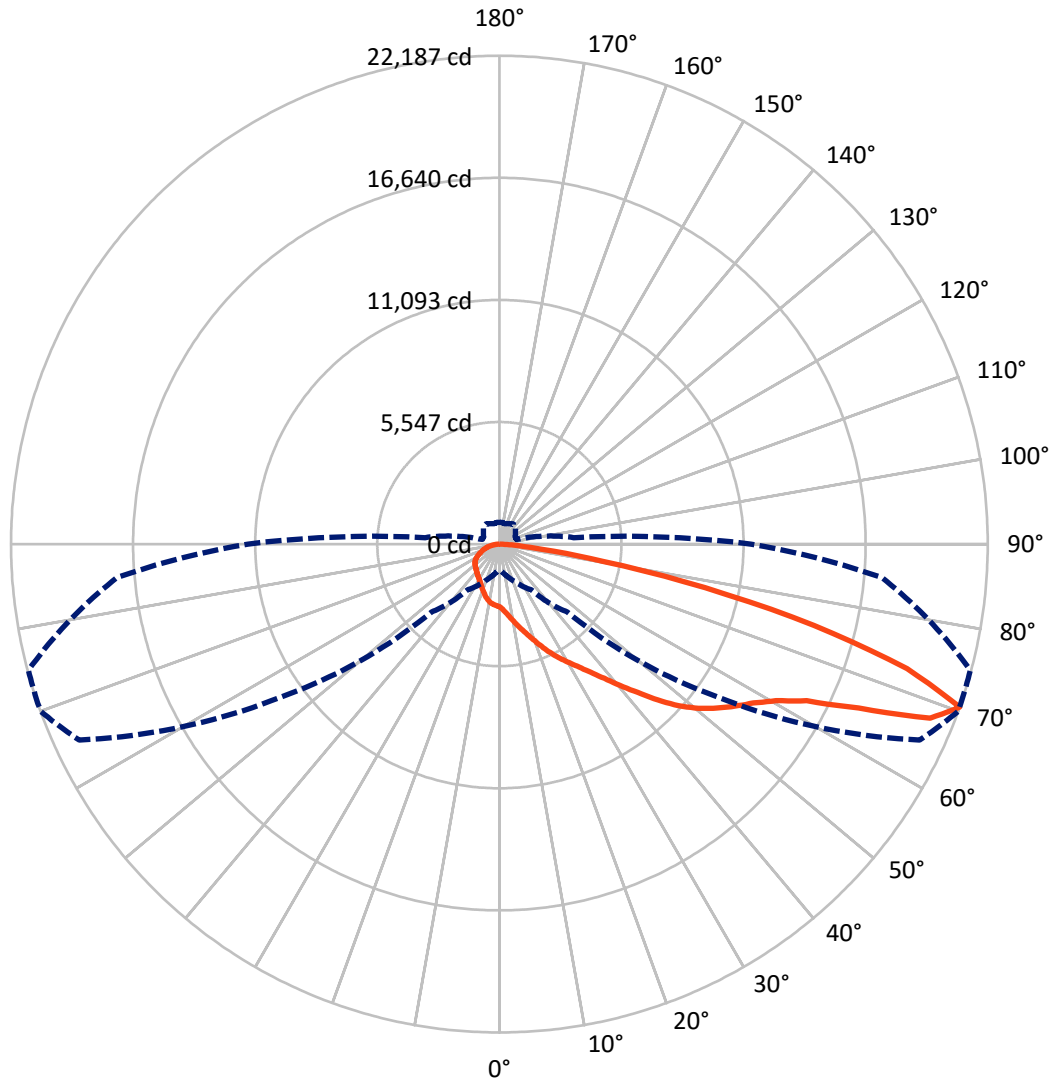
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	4385.9	0.0	4385.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	20088.6	0.0	20088.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	24474.5	0.0	24474.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.1	1.2
10°-20°	943.7	3.9
20°-30°	1671.8	6.8
30°-40°	2516.1	10.3
40°-50°	3806.5	15.6
50°-60°	5453.1	22.3
60°-70°	6027.8	24.6
70°-80°	3401.6	13.9
80°-90°	363.9	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°	24474.5	100.0
0°-180°	24474.5	100.0

Coefficient of Utilization



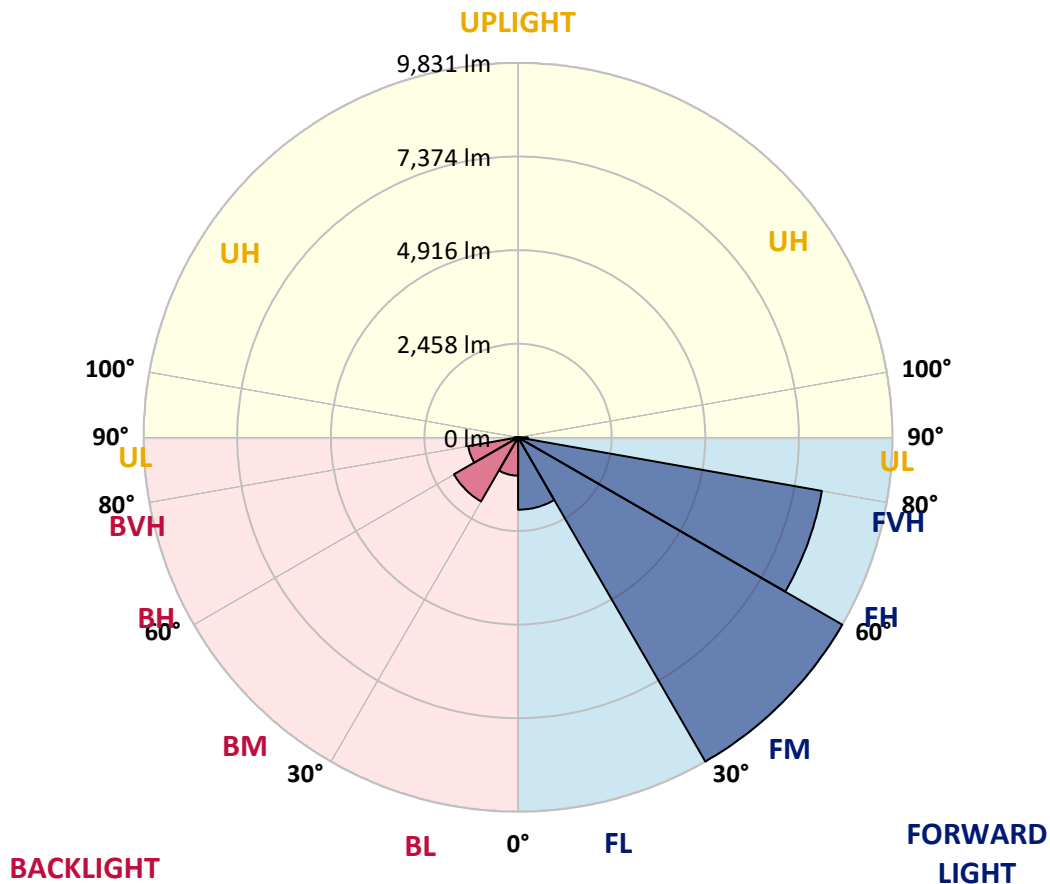
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1900.0	7.8			
FM (30°-60°)	9831.4	40.2			
FH (60°-80°)	8100.0	33.1			G4/12000
FVH (80°-90°)	257.2	1.1			G3/500
BL (0°-30°)	1005.6	4.1	B3/2500		
BM (30°-60°)	1944.3	7.9	B2/2500		
BH (60°-80°)	1329.3	5.4	B3/2500		G3/2500
BVH (80°-90°)	106.6	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°	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2
2.5°	3161.9	3156.6	3160.2	3156.6	3137.2	3089.4	3050.5	3001.0	2967.4	2948.0	2902.0
5°	3533.3	3528.0	3515.6	3497.9	3462.6	3397.1	3299.9	3192.0	3126.6	3077.1	2979.8
7.5°	3800.3	3800.3	3798.6	3777.3	3752.6	3683.6	3568.7	3427.2	3331.7	3246.8	3087.7
10°	3936.5	3945.4	3957.7	3987.8	3982.5	3945.4	3837.5	3685.4	3565.1	3466.1	3229.1
12.5°	4010.8	4016.1	4037.3	4099.2	4162.9	4171.7	4108.0	3948.9	3818.0	3685.4	3386.5
15°	4106.3	4108.0	4136.3	4210.6	4304.3	4398.1	4382.2	4223.0	4088.6	3941.8	3561.6
17.5°	4180.6	4192.9	4244.2	4330.9	4447.6	4576.7	4654.5	4555.5	4389.2	4221.2	3752.6
20°	4207.1	4215.9	4283.1	4415.8	4574.9	4757.1	4930.4	4903.8	4735.8	4537.8	3968.3
22.5°	4302.6	4302.6	4352.1	4463.5	4651.0	4916.2	5197.4	5266.4	5117.8	4886.2	4200.0
25°	4513.0	4505.9	4528.9	4574.9	4716.4	5043.5	5460.9	5667.8	5501.6	5241.6	4431.7
27.5°	4801.3	4797.7	4796.0	4803.0	4850.8	5155.0	5683.7	6042.7	5876.5	5582.9	4638.6
30°	5114.3	5103.7	5126.7	5105.4	5094.8	5287.6	5872.9	6378.7	6249.6	5920.7	4810.1
32.5°	5540.5	5521.0	5515.7	5446.7	5404.3	5494.5	6025.0	6760.7	6658.1	6285.0	5002.9
35°	6102.8	6085.1	5995.0	5885.3	5759.8	5802.2	6214.2	7133.8	7140.9	6741.2	5255.8
37.5°	6670.5	6674.0	6603.3	6345.1	6216.0	6191.2	6502.5	7588.3	7740.4	7285.9	5582.9
40°	7142.7	7163.9	7163.9	6891.5	6698.8	6675.8	6907.5	8127.7	8430.1	7954.4	5996.7
42.5°	7501.6	7521.1	7583.0	7386.7	7183.3	7262.9	7399.1	8668.8	9211.7	8780.2	6520.2
45°	7896.0	7911.9	7945.5	7832.3	7713.9	7926.1	7956.1	9316.0	10106.5	9706.9	7128.5
47.5°	8419.5	8405.3	8408.8	8325.7	8233.8	8576.8	8569.8	9860.7	10971.3	10721.9	7788.1
50°	9070.2	9096.8	9072.0	8907.5	8799.7	9112.7	9153.4	10463.8	11731.7	11726.4	8453.1
52.5°	9696.3	9706.9	9837.7	9844.8	9623.8	9558.3	9664.4	11072.1	12373.7	12646.0	9091.5
55°	9728.1	9768.8	10161.4	10444.3	10801.5	10276.3	10180.8	11652.1	12994.4	13546.1	9754.6
57.5°	9050.8	9116.2	9782.9	10393.0	11386.9	11508.9	11065.0	12401.9	13615.1	14432.1	10522.1
60°	7604.2	7740.4	8645.8	9579.5	11123.4	12394.9	12874.1	13420.6	14430.3	15337.5	11454.1
62.5°	4856.1	4909.1	6178.9	7742.2	9936.8	12308.2	14844.1	15215.5	15671.8	16517.1	12890.0
65°	2431.6	2601.3	3345.9	4620.9	7165.6	10845.7	15839.8	18503.0	17944.2	18536.6	15217.3
67.5°	1649.9	1704.8	2081.4	2776.4	4201.8	7683.8	15222.6	21272.4	21107.9	21205.2	17698.4
70°	1216.7	1252.0	1549.1	1966.5	2541.2	4362.7	12119.0	21063.7	22186.6	22151.3	17438.4
72.5°	887.7	905.4	1130.0	1501.4	1883.4	2256.5	7400.8	17015.8	19367.8	20388.1	15250.9
75°	645.5	666.7	785.2	1122.9	1464.3	1407.7	3653.6	12290.5	14769.9	16732.8	12424.9
77.5°	481.0	507.5	562.4	703.8	1025.7	1008.0	1579.2	7980.9	9553.0	10928.8	7547.6
80°	346.6	351.9	383.7	450.9	650.8	590.7	751.6	4161.1	4771.2	5227.5	2958.6
82.5°	210.4	215.7	256.4	277.6	403.2	371.4	390.8	1347.5	1931.1	2049.6	1105.3
85°	61.9	65.4	116.7	127.3	168.0	159.2	157.4	548.2	654.3	836.5	435.0
87.5°	0.0	0.0	0.0	0.0	1.8	10.6	19.5	97.3	146.8	203.4	106.1
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°	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2	2854.2
2.5°	2884.3	2843.6	2822.4	2785.3	2758.7	2732.2	2705.7	2680.9	2670.3	2654.4	2657.9
5°	2935.6	2871.9	2808.3	2735.7	2673.9	2622.6	2576.6	2535.9	2518.2	2502.3	2509.4
7.5°	3013.4	2917.9	2795.9	2663.2	2566.0	2495.2	2447.5	2419.2	2410.4	2398.0	2398.0
10°	3112.4	2969.2	2755.2	2566.0	2449.3	2392.7	2371.5	2369.7	2378.5	2380.3	2376.8
12.5°	3222.1	3018.7	2695.1	2451.0	2352.0	2334.3	2350.2	2380.3	2410.4	2426.3	2422.7
15°	3335.2	3050.5	2592.5	2341.4	2281.3	2304.3	2355.5	2415.7	2474.0	2504.1	2502.3
17.5°	3441.3	3057.6	2459.9	2235.3	2219.4	2277.7	2366.1	2459.9	2539.5	2581.9	2583.7
20°	3559.8	3045.2	2323.7	2139.8	2157.5	2253.0	2369.7	2482.9	2576.6	2619.0	2629.6
22.5°	3667.7	3002.8	2191.1	2049.6	2104.4	2222.9	2341.4	2447.5	2530.6	2571.3	2585.4
25°	3765.0	2921.4	2046.1	1973.6	2063.7	2180.5	2270.7	2344.9	2403.3	2428.0	2447.5
27.5°	3818.0	2799.4	1936.4	1913.4	2024.8	2120.3	2169.9	2192.8	2212.3	2205.2	2219.4
30°	3828.6	2647.3	1840.9	1865.7	1966.5	2037.2	2047.8	2024.8	1991.2	1936.4	1948.8
32.5°	3818.0	2472.3	1761.3	1814.4	1901.1	1943.5	1929.3	1869.2	1787.9	1703.0	1708.3
35°	3821.6	2295.4	1695.9	1757.8	1825.0	1848.0	1812.6	1729.5	1642.9	1565.1	1561.5
37.5°	3860.5	2146.9	1641.1	1703.0	1750.7	1754.3	1715.4	1628.7	1584.5	1526.1	1519.1
40°	3968.3	2037.2	1591.6	1648.2	1678.2	1676.5	1632.3	1570.4	1600.4	1581.0	1575.7
42.5°	4145.2	1970.0	1550.9	1589.8	1611.0	1614.6	1579.2	1540.3	1605.7	1581.0	1572.1
45°	4429.9	1966.5	1522.6	1531.5	1565.1	1589.8	1565.1	1520.8	1545.6	1425.3	1402.4
47.5°	4767.7	2026.6	1501.4	1480.2	1538.5	1582.7	1543.8	1473.1	1421.8	1312.2	1296.3
50°	5174.4	2148.6	1481.9	1425.3	1499.6	1556.2	1517.3	1420.0	1342.2	1283.9	1275.0
52.5°	5657.2	2309.6	1457.2	1363.5	1441.3	1542.1	1517.3	1414.7	1312.2	1259.1	1250.3
55°	6163.0	2495.2	1428.9	1289.2	1375.8	1545.6	1529.7	1377.6	1289.2	1260.9	1253.8
57.5°	6790.7	2718.1	1377.6	1202.5	1317.5	1513.8	1480.2	1356.4	1273.3	1250.3	1243.2
60°	7606.0	3048.8	1280.3	1114.1	1250.3	1457.2	1436.0	1321.0	1230.8	1211.4	1206.1
62.5°	8896.9	3609.3	1161.9	1029.2	1170.7	1338.7	1370.5	1253.8	1177.8	1176.0	1174.2
65°	11001.4	4283.1	1022.1	953.2	1087.6	1241.4	1283.9	1184.8	1122.9	1142.4	1140.6
67.5°	12476.2	4341.5	907.2	873.6	990.3	1135.3	1197.2	1114.1	1046.9	1084.0	1082.3
70°	11427.5	3386.5	808.2	790.5	886.0	1020.4	1103.5	1025.7	958.5	993.9	986.8
72.5°	9637.9	2596.0	714.4	703.8	779.9	900.1	983.2	937.3	866.5	866.5	850.6
75°	7745.7	2141.6	615.4	610.1	661.4	778.1	871.8	794.0	728.6	725.1	714.4
77.5°	4442.3	1404.1	516.4	512.8	528.8	650.8	677.3	661.4	611.9	588.9	581.8
80°	1770.2	730.4	406.7	383.7	399.7	477.5	534.1	507.5	465.1	436.8	420.9
82.5°	686.1	366.1	286.5	251.1	274.1	344.8	387.3	378.4	350.1	286.5	268.8
85°	279.4	178.6	171.5	145.0	159.2	185.7	222.8	192.8	159.2	113.2	107.9
87.5°	74.3	65.4	63.7	38.9	30.1	8.8	1.8	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)