

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: P642290

Luminaire Tested: GWS-SA6C-750-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29616.9 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

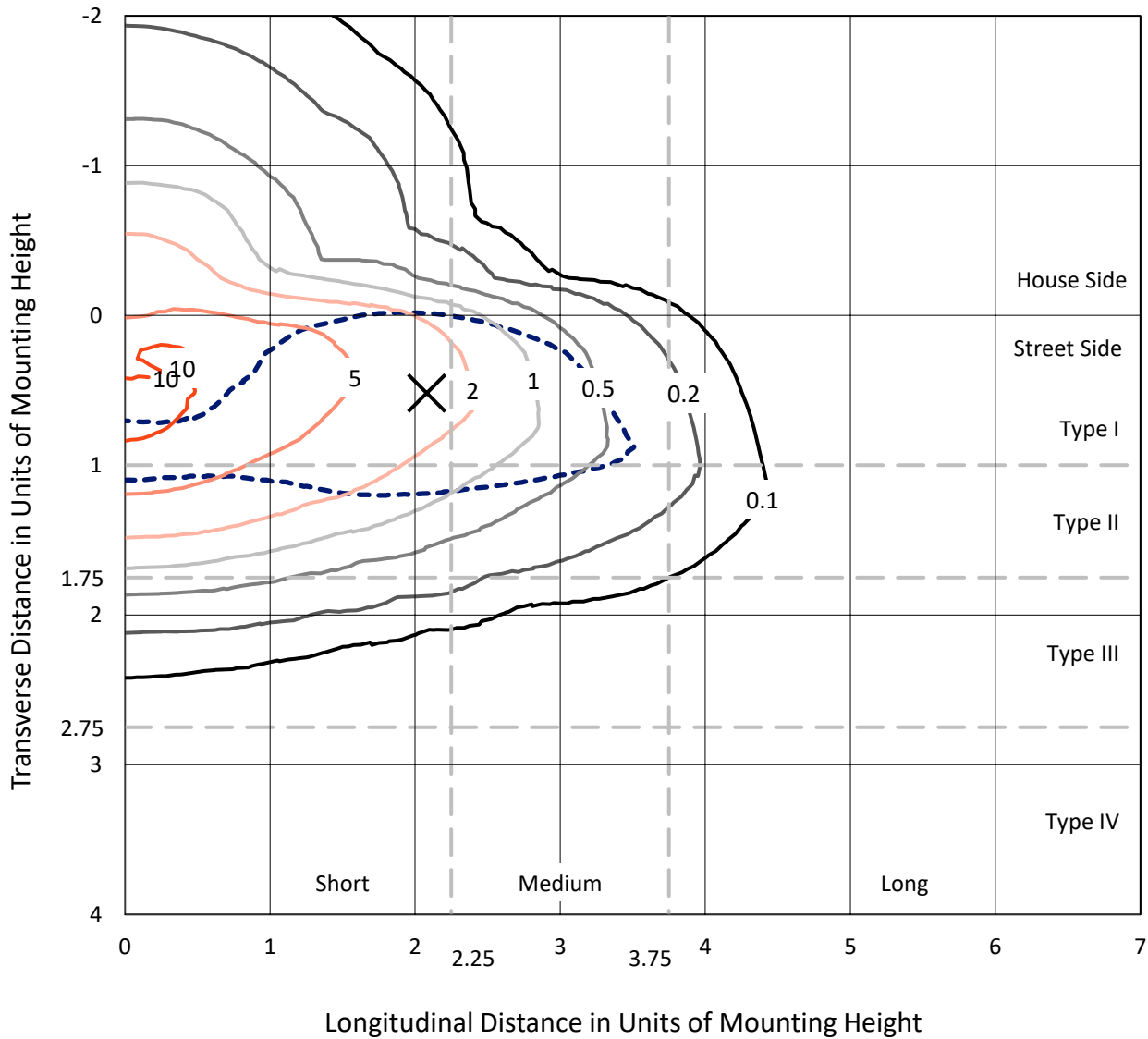
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642290
 CATALOG NUMBER: GWS-SA6C-750-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination

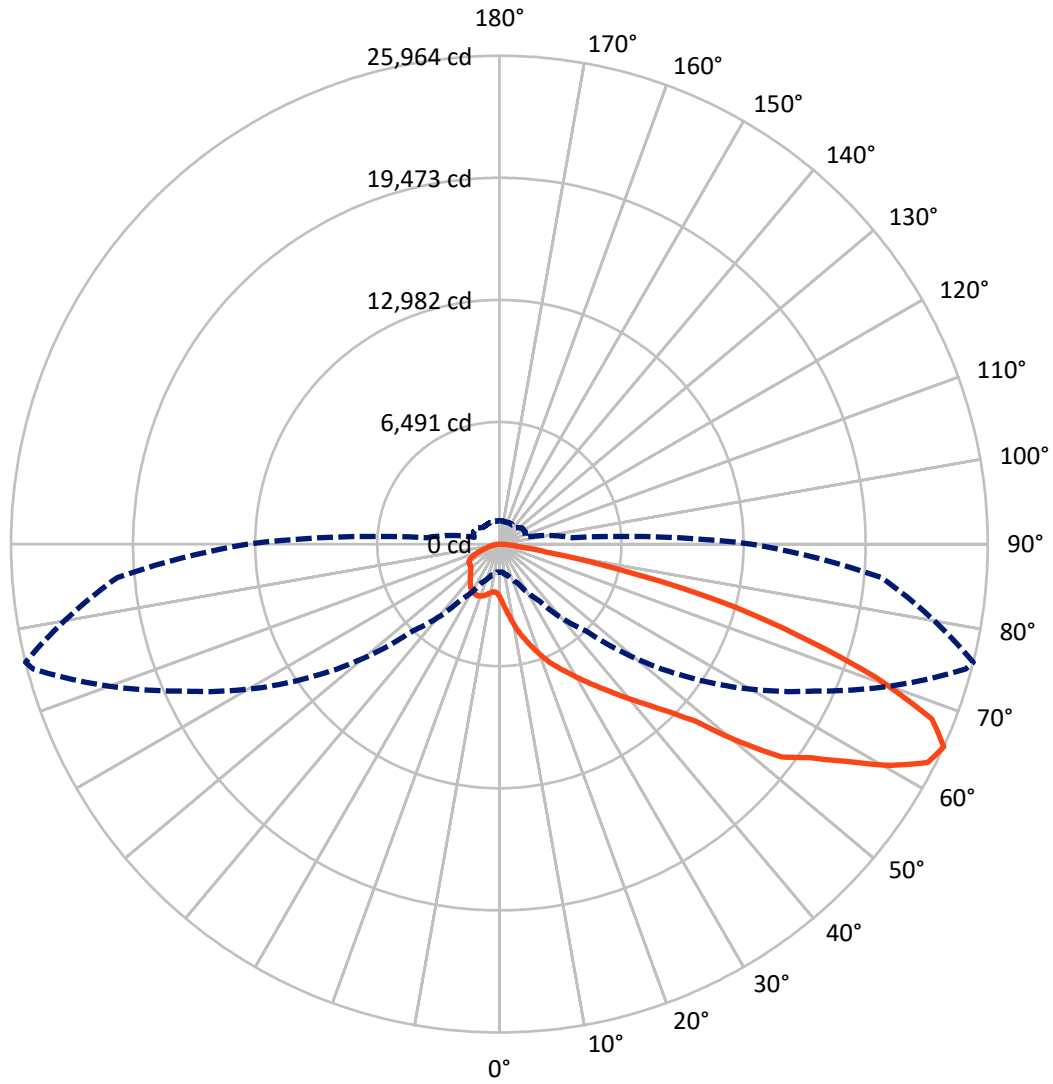
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - N/A

REPORT NUMBER: P642290
CATALOG NUMBER: GWS-SA6C-750-U-T2R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P642290

CATALOG NUMBER: GWS-SA6C-750-U-T2R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4950.5	0.0	4950.5
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	24666.4	0.0	24666.4
	% Fixture	83.3	0.0	83.3
Total	Lumens	29616.9	0.0	29616.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.2	1.1
10°-20°	1269.1	4.3
20°-30°	2473.4	8.4
30°-40°	4136.6	14.0
40°-50°	5922.7	20.0
50°-60°	7011.7	23.7
60°-70°	5830.3	19.7
70°-80°	2385.9	8.1
80°-90°	254.0	0.9
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°	29616.9	100.0
0°-180°	29616.9	100.0

Coefficient of Utilization



REPORT NUMBER: P642290

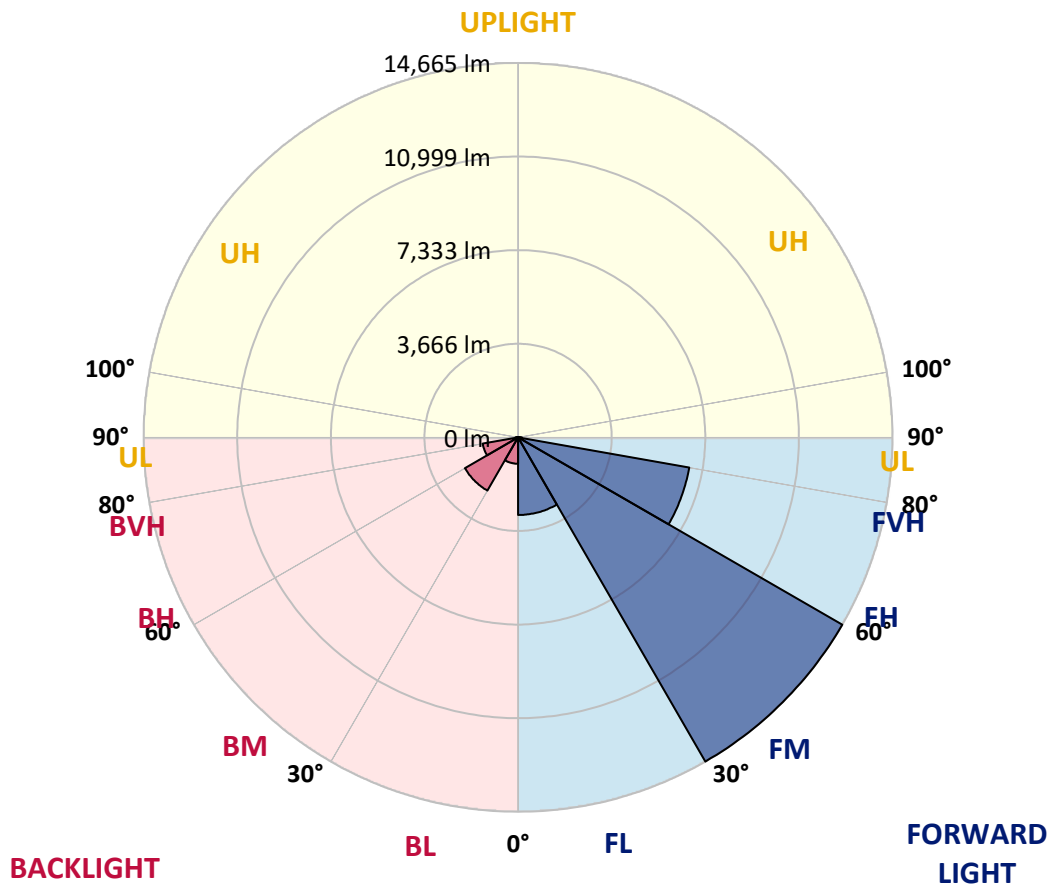
CATALOG NUMBER: GWS-SA6C-750-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3040.1	10.3			
FM (30°-60°)	14665.2	49.5			
FH (60°-80°)	6809.7	23.0			G3/7500
FVH (80°-90°)	151.5	0.5			G2/225
BL (0°-30°)	1035.6	3.5	B3/2500		
BM (30°-60°)	2405.8	8.1	B2/2500		
BH (60°-80°)	1406.5	4.7	B3/2500		G3/2500
BVH (80°-90°)	102.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P642290
 CATALOG NUMBER: GWS-SA6C-750-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6
2.5°	3931.0	3945.6	3897.7	3881.1	3768.6	3616.6	3489.6	3298.1	3121.1	3094.0	2935.8
5°	4992.9	4930.5	4876.3	4840.9	4684.8	4511.9	4243.4	3883.1	3506.3	3460.5	3119.0
7.5°	5623.8	5613.4	5546.8	5525.9	5405.2	5232.4	4955.4	4507.8	3960.2	3885.2	3366.8
10°	6129.8	6123.5	6090.2	6108.9	5998.6	5829.9	5561.3	5099.1	4457.8	4382.9	3643.7
12.5°	6571.2	6581.6	6575.3	6644.0	6587.8	6456.6	6177.6	5669.6	4955.4	4874.2	3981.0
15°	6893.9	6902.2	6933.4	7083.4	7114.6	7087.5	6804.4	6229.7	5446.8	5330.2	4328.7
17.5°	6985.5	7002.2	7077.1	7318.6	7487.3	7599.7	7389.4	6800.2	5929.9	5802.9	4682.7
20°	7108.3	7127.1	7202.0	7454.0	7701.7	7957.8	7920.4	7379.0	6417.1	6313.0	5040.8
22.5°	7676.8	7662.2	7628.9	7749.6	7926.6	8245.2	8338.9	7934.9	6921.0	6821.0	5436.4
25°	8772.0	8744.9	8532.5	8422.2	8363.9	8557.5	8724.1	8440.9	7412.3	7262.4	5804.9
27.5°	9979.6	9965.0	9694.3	9432.0	9073.9	8990.6	9088.4	8882.3	7889.1	7737.1	6125.6
30°	11122.7	11078.9	10795.8	10466.8	9987.9	9629.8	9486.1	9315.4	8411.8	8253.5	6500.4
32.5°	12145.0	12088.8	11755.6	11391.3	10889.5	10466.8	10037.9	9775.5	9003.1	8819.8	6883.5
35°	12984.1	12927.9	12586.4	12199.1	11647.4	11335.0	10747.9	10275.2	9604.8	9419.5	7335.3
37.5°	13633.7	13581.6	13225.6	12844.6	12363.6	12115.8	11605.7	10837.4	10298.1	10104.5	7814.2
40°	13998.1	13960.6	13675.3	13373.4	12969.5	12755.0	12526.0	11547.4	11074.8	10881.1	8378.4
42.5°	14108.4	14083.4	13883.6	13727.4	13454.6	13292.2	13423.4	12382.3	11903.5	11734.8	9013.5
45°	13831.5	13831.5	13773.2	13852.3	13864.8	13862.7	14322.9	13325.5	12921.6	12736.3	9908.8
47.5°	13123.6	13169.4	13254.8	13644.1	14054.3	14397.8	15374.3	14583.1	14231.3	14079.3	11176.8
50°	11828.5	11953.4	12244.9	13004.9	13877.3	14751.8	16369.6	16442.5	16777.7	16509.1	13042.4
52.5°	9931.7	9913.0	10656.3	11739.0	13069.4	14766.4	16917.2	18083.2	18984.7	18799.4	14429.1
55°	7893.3	7862.1	8555.4	10048.3	11830.6	14208.4	17246.2	18834.8	20209.0	20042.5	15676.3
57.5°	6044.4	6004.8	6621.1	7968.3	10081.6	13023.6	17183.7	19730.1	21893.5	21808.1	17371.1
60°	4160.1	4112.2	4688.9	5867.4	8012.0	11212.2	16492.4	20190.3	23865.2	23894.4	19184.6
62.5°	2498.5	2471.5	2890.0	3804.0	5763.3	8967.7	14874.6	19911.3	25435.1	25566.3	20350.6
65°	1507.5	1488.7	1734.4	2269.5	3656.2	6544.1	12380.3	18485.0	25662.1	25964.0	20377.7
67.5°	1097.3	1099.4	1170.1	1382.5	2132.1	4226.7	9290.4	15928.2	24479.4	24791.8	19093.0
70°	953.6	957.8	995.3	1043.1	1288.8	2419.4	6040.2	12573.9	20983.6	21225.1	16013.6
72.5°	847.4	847.4	872.4	897.4	1007.7	1474.1	3235.6	8788.6	16561.2	16625.7	12222.0
75°	745.4	739.2	751.6	764.1	874.5	1030.6	1574.1	6123.5	12232.4	12082.5	7899.6
77.5°	593.4	587.2	589.2	601.7	701.7	737.1	797.5	3824.8	6893.9	6506.6	3489.6
80°	422.7	418.5	441.4	472.6	518.4	451.8	499.7	1851.0	2733.8	2544.3	1353.4
82.5°	251.9	260.3	295.7	320.6	358.1	283.2	322.7	618.4	968.2	943.2	549.7
85°	35.4	37.5	106.2	122.8	154.1	110.4	170.7	279.0	387.3	414.3	193.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	14.6	50.0	110.4	112.4	47.9
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: P642290
 CATALOG NUMBER: GWS-SA6C-750-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6	2804.6
2.5°	2854.6	2756.7	2617.2	2500.6	2402.8	2323.6	2257.0	2207.0	2192.5	2171.6	2171.6
5°	2958.7	2781.7	2531.9	2354.9	2252.9	2192.5	2150.8	2130.0	2119.6	2107.1	2100.9
7.5°	3102.4	2854.6	2517.3	2338.2	2259.1	2221.6	2194.6	2182.1	2173.7	2161.2	2161.2
10°	3300.2	2962.9	2563.1	2396.5	2334.1	2296.6	2265.3	2244.5	2225.8	2207.0	2202.9
12.5°	3514.6	3104.4	2646.4	2475.6	2409.0	2363.2	2319.5	2288.2	2265.3	2242.4	2236.2
15°	3752.0	3250.2	2735.9	2552.7	2469.4	2406.9	2354.9	2307.0	2275.8	2242.4	2238.3
17.5°	3985.2	3398.0	2810.9	2604.7	2498.5	2421.5	2346.5	2284.1	2244.5	2207.0	2196.6
20°	4264.2	3545.8	2862.9	2619.3	2492.3	2390.3	2300.7	2221.6	2177.9	2134.2	2127.9
22.5°	4520.3	3683.3	2887.9	2598.5	2444.4	2323.6	2219.5	2134.2	2086.3	2042.6	2034.2
25°	4768.0	3804.0	2877.5	2548.5	2371.5	2232.0	2123.8	2038.4	1992.6	1946.8	1934.3
27.5°	5007.5	3885.2	2835.8	2471.5	2279.9	2130.0	2025.9	1948.9	1909.3	1869.7	1853.1
30°	5242.8	3960.2	2771.3	2371.5	2163.3	2023.8	1938.5	1884.3	1844.8	1803.1	1790.6
32.5°	5480.1	4014.3	2673.4	2254.9	2044.6	1930.1	1878.1	1838.5	1796.9	1755.2	1742.7
35°	5719.6	4037.2	2554.8	2121.7	1944.7	1869.7	1851.0	1805.2	1749.0	1699.0	1682.4
37.5°	6004.8	4058.0	2406.9	1990.5	1857.2	1840.6	1836.4	1767.7	1701.1	1632.4	1613.6
40°	6348.4	4085.1	2254.9	1871.8	1786.5	1830.2	1813.5	1719.8	1586.6	1519.9	1499.1
42.5°	6769.0	4135.1	2096.7	1763.6	1734.4	1790.6	1771.9	1603.2	1513.7	1476.2	1465.8
45°	7387.3	4318.3	1938.5	1678.2	1694.8	1734.4	1705.3	1534.5	1499.1	1474.1	1461.6
47.5°	8488.8	4599.4	1801.0	1613.6	1663.6	1684.4	1572.0	1515.8	1488.7	1455.4	1440.8
50°	9634.0	4722.2	1690.7	1574.1	1628.2	1638.6	1499.1	1490.8	1472.1	1436.7	1422.1
52.5°	10408.5	4705.6	1624.1	1559.5	1599.1	1559.5	1465.8	1463.7	1451.2	1409.6	1392.9
55°	11283.0	4734.7	1594.9	1563.7	1586.6	1426.2	1424.2	1430.4	1424.2	1378.4	1370.0
57.5°	12463.5	4824.3	1580.3	1578.2	1578.2	1361.7	1384.6	1392.9	1380.4	1359.6	1353.4
60°	13598.3	4830.5	1553.3	1594.9	1572.0	1322.1	1338.8	1347.1	1332.6	1328.4	1326.3
62.5°	14025.1	4530.7	1492.9	1582.4	1547.0	1278.4	1290.9	1295.1	1280.5	1290.9	1288.8
65°	13390.1	3893.6	1392.9	1522.0	1470.0	1238.9	1230.5	1240.9	1216.0	1243.0	1245.1
67.5°	11888.9	3094.0	1240.9	1407.5	1361.7	1195.1	1178.5	1178.5	1136.8	1178.5	1176.4
70°	9586.1	2186.2	1018.2	1224.3	1243.0	1143.1	1134.8	1086.9	1020.2	1082.7	1076.5
72.5°	7266.6	1569.9	801.6	968.2	1070.2	1070.2	1072.3	991.1	914.0	943.2	918.2
75°	4603.6	1105.6	641.3	741.2	839.1	939.0	986.9	837.0	768.3	755.8	743.3
77.5°	2073.8	726.7	499.7	568.4	595.5	741.2	901.6	720.4	626.7	599.6	591.3
80°	868.2	451.8	356.0	401.8	366.5	622.6	795.4	560.1	460.1	422.7	395.6
82.5°	381.0	268.6	227.0	216.5	229.0	462.2	593.4	372.7	287.3	389.4	393.5
85°	160.3	141.6	116.6	106.2	93.7	177.0	279.0	145.7	179.1	102.0	83.3
87.5°	37.5	41.6	31.2	20.8	12.5	2.1	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)