

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: P641795

Luminaire Tested: GWS-SA6B-750-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641795
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-SA6B-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: 22083.9 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

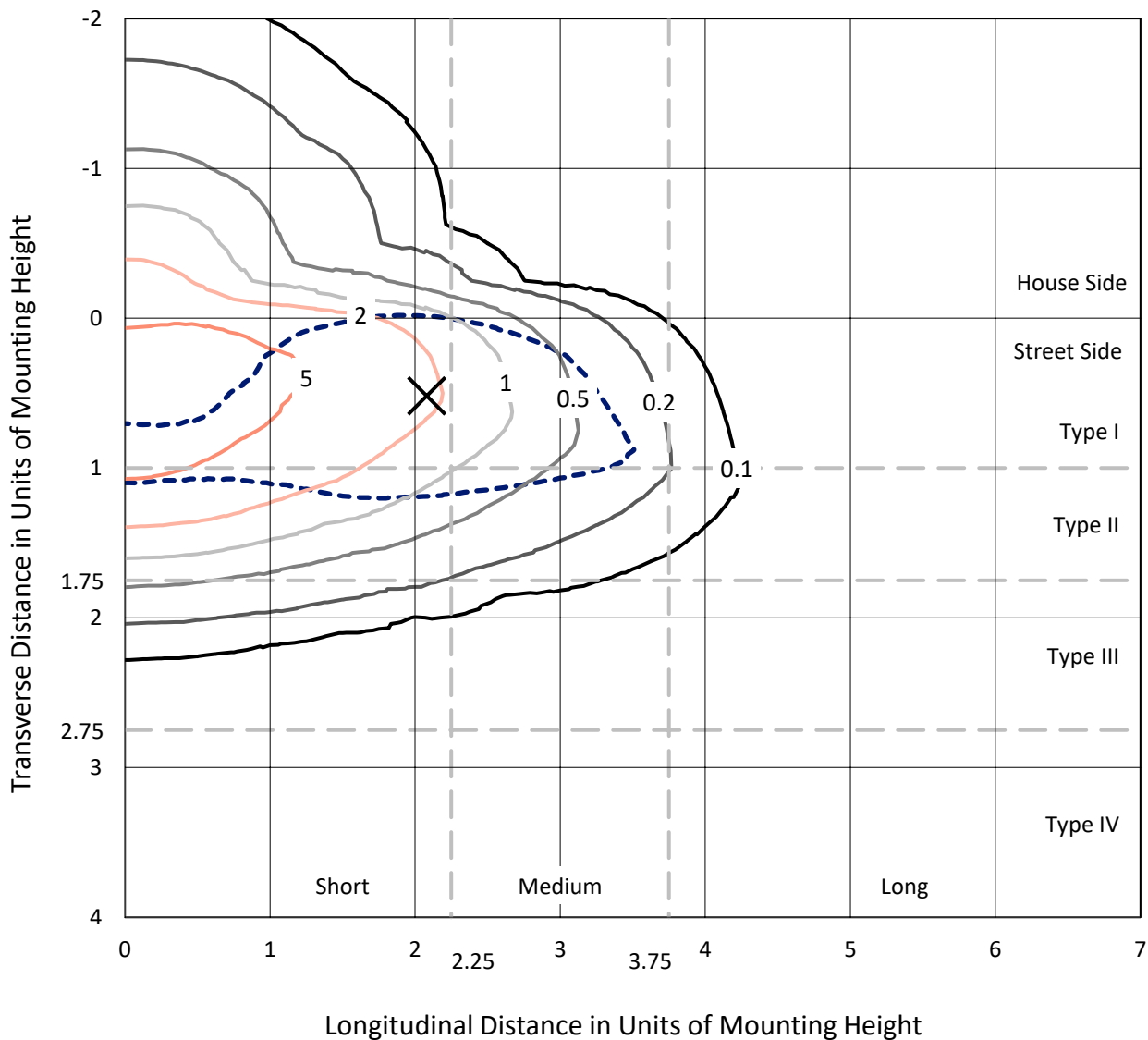
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

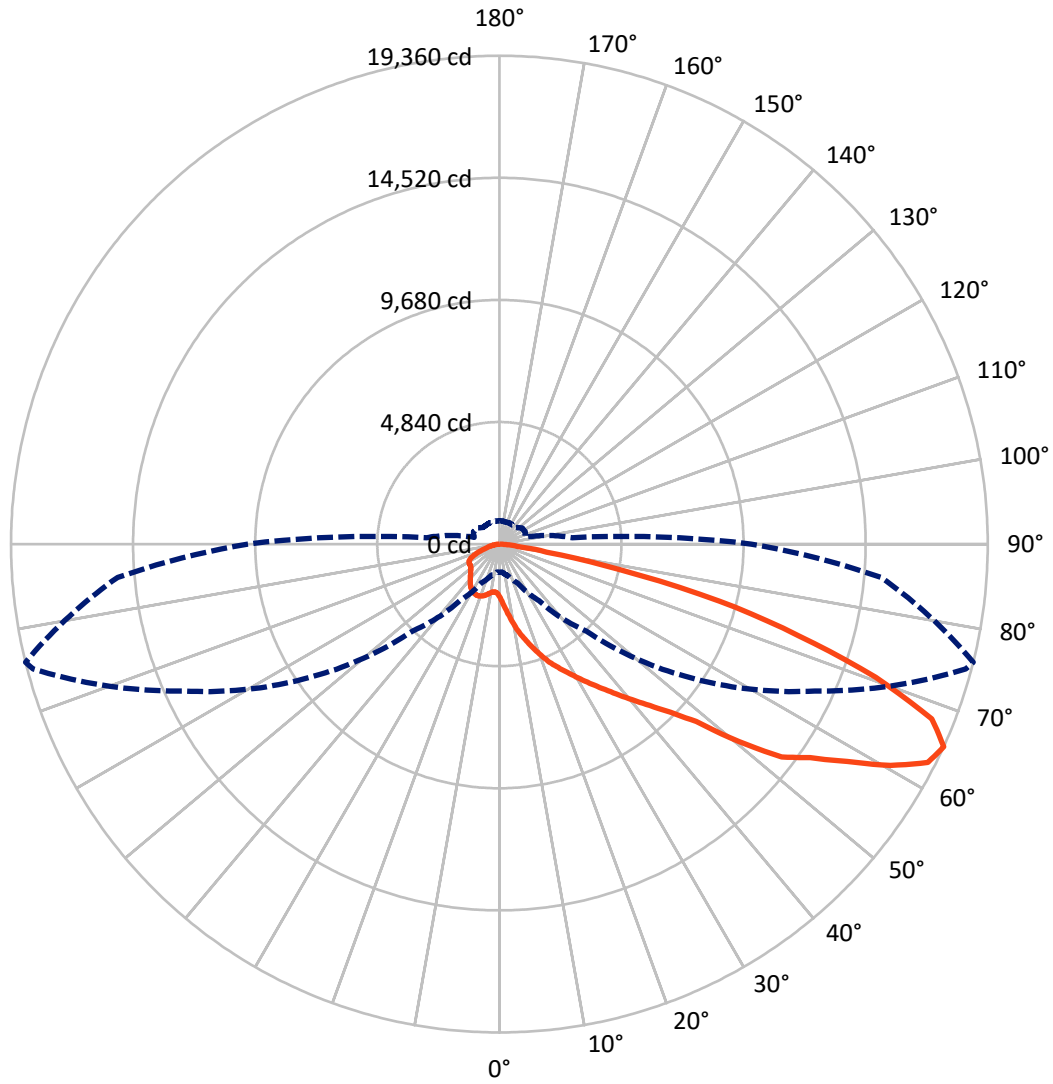
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3691.3	0.0	3691.3
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	18392.6	0.0	18392.6
	% Fixture	83.3	0.0	83.3
Total	Lumens	22083.9	0.0	22083.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	1.1
10°-20°	946.3	4.3
20°-30°	1844.3	8.4
30°-40°	3084.4	14.0
40°-50°	4416.3	20.0
50°-60°	5228.3	23.7
60°-70°	4347.4	19.7
70°-80°	1779.0	8.1
80°-90°	189.4	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°	22083.9	100.0
0°-180°	22083.9	100.0

Coefficient of Utilization



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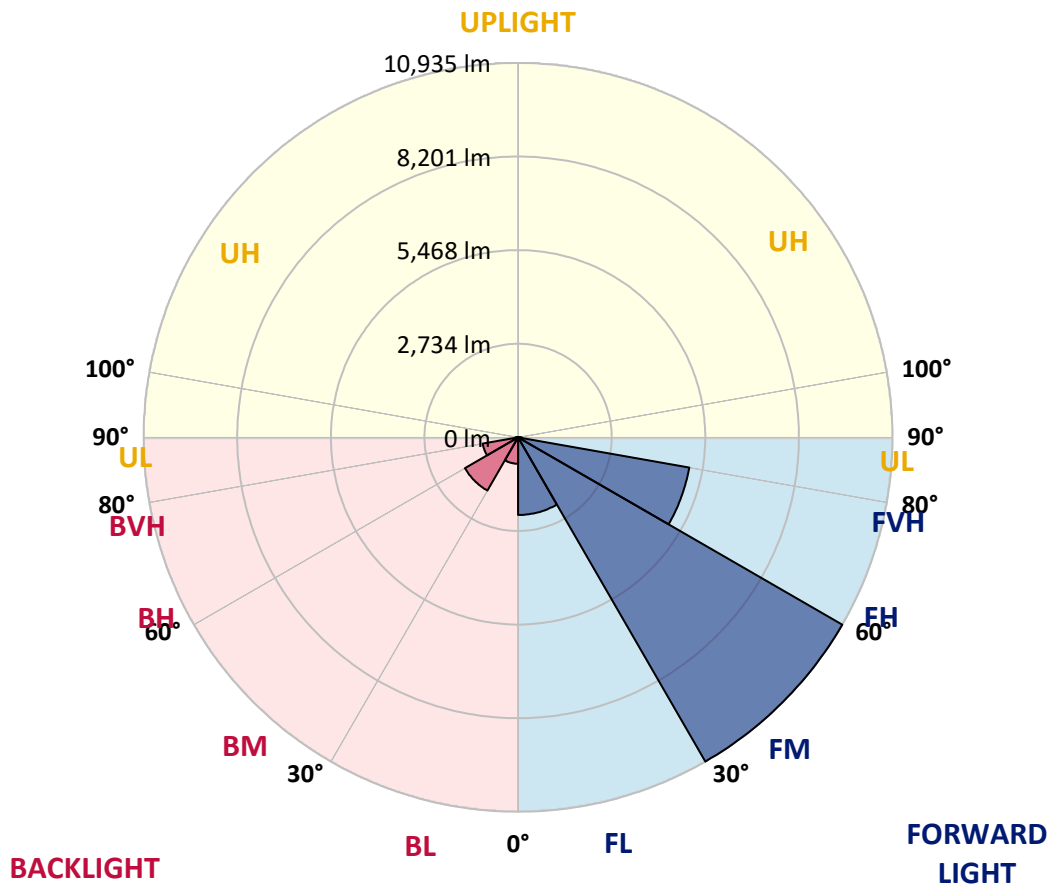
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2266.8	10.3			
FM (30°-60°)	10935.1	49.5			
FH (60°-80°)	5077.7	23.0			G3/7500
FVH (80°-90°)	113.0	0.5			G2/225
BL (0°-30°)	772.2	3.5	B2/1000		
BM (30°-60°)	1793.9	8.1	B2/2500		
BH (60°-80°)	1048.8	4.7	B3/2500		G3/2500
BVH (80°-90°)	76.4	0.3			G1/100
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3
2.5°	2931.2	2942.1	2906.3	2893.9	2810.1	2696.8	2602.0	2459.2	2327.2	2307.1	2189.1
5°	3723.0	3676.4	3636.0	3609.6	3493.2	3364.3	3164.1	2895.5	2614.5	2580.3	2325.7
7.5°	4193.4	4185.6	4136.0	4120.4	4030.4	3901.5	3695.0	3361.2	2952.9	2897.0	2510.4
10°	4570.7	4566.0	4541.2	4555.1	4472.9	4347.1	4146.8	3802.2	3324.0	3268.1	2716.9
12.5°	4899.8	4907.6	4902.9	4954.1	4912.2	4814.4	4606.4	4227.6	3695.0	3634.5	2968.4
15°	5140.4	5146.7	5169.9	5281.7	5305.0	5284.8	5073.7	4645.2	4061.4	3974.5	3227.7
17.5°	5208.8	5221.2	5277.1	5457.2	5582.9	5666.8	5509.9	5070.6	4421.6	4326.9	3491.6
20°	5300.4	5314.3	5370.2	5558.1	5742.8	5933.8	5905.8	5502.2	4784.9	4707.3	3758.7
22.5°	5724.2	5713.3	5688.5	5778.5	5910.5	6148.0	6217.9	5916.7	5160.6	5086.1	4053.7
25°	6540.8	6520.6	6362.3	6280.0	6236.5	6380.9	6505.1	6294.0	5527.0	5415.2	4328.5
27.5°	7441.3	7430.4	7228.6	7033.0	6765.9	6703.8	6776.8	6623.1	5882.6	5769.2	4567.6
30°	8293.6	8261.0	8049.9	7804.6	7447.5	7180.5	7073.3	6946.0	6272.2	6154.2	4847.0
32.5°	9055.9	9014.0	8765.6	8493.9	8119.8	7804.6	7484.8	7289.1	6713.2	6576.5	5132.7
35°	9681.6	9639.7	9385.1	9096.3	8684.9	8452.0	8014.2	7661.8	7161.8	7023.7	5469.6
37.5°	10166.0	10127.2	9861.7	9577.6	9218.9	9034.2	8653.8	8080.9	7678.8	7534.4	5826.7
40°	10437.7	10409.7	10197.0	9971.9	9670.7	9510.8	9340.0	8610.4	8257.9	8113.5	6247.4
42.5°	10520.0	10501.3	10352.3	10235.9	10032.5	9911.4	10009.2	9232.9	8875.8	8750.1	6720.9
45°	10313.5	10313.5	10270.0	10329.0	10338.3	10336.8	10679.9	9936.2	9635.0	9496.9	7388.5
47.5°	9785.6	9819.8	9883.4	10173.8	10479.6	10735.8	11463.9	10874.0	10611.6	10498.2	8334.0
50°	8819.9	8913.1	9130.5	9697.1	10347.6	10999.7	12206.0	12260.4	12510.3	12310.0	9725.1
52.5°	7405.6	7391.6	7945.9	8753.2	9745.3	11010.6	12614.3	13483.8	14156.0	14017.8	10759.1
55°	5885.7	5862.4	6379.4	7492.5	8821.5	10594.5	12859.6	14044.2	15068.9	14944.7	11689.0
57.5°	4507.0	4477.5	4937.1	5941.5	7517.4	9711.1	12813.1	14711.8	16324.9	16261.2	12952.8
60°	3102.0	3066.3	3496.3	4375.0	5974.2	8360.4	12297.6	15054.9	17795.1	17816.9	14305.1
62.5°	1863.0	1842.9	2154.9	2836.5	4297.4	6686.8	11091.3	14846.9	18965.8	19063.6	15174.5
65°	1124.0	1110.1	1293.3	1692.3	2726.3	4879.6	9231.4	13783.4	19135.0	19360.1	15194.7
67.5°	818.2	819.7	872.5	1030.9	1589.8	3151.6	6927.4	11876.9	18253.1	18486.0	14236.7
70°	711.1	714.2	742.1	777.8	961.0	1804.0	4503.9	9375.8	15646.4	15826.5	11940.5
72.5°	631.9	631.9	650.5	669.1	751.4	1099.2	2412.6	6553.2	12348.9	12397.0	9113.4
75°	555.8	551.1	560.5	569.8	652.1	768.5	1173.7	4566.0	9121.1	9009.4	5890.3
77.5°	442.5	437.8	439.4	448.7	523.2	549.6	594.6	2852.0	5140.4	4851.7	2602.0
80°	315.2	312.1	329.1	352.4	386.6	336.9	372.6	1380.2	2038.5	1897.2	1009.1
82.5°	187.9	194.1	220.5	239.1	267.0	211.1	240.6	461.1	721.9	703.3	409.9
85°	26.4	27.9	79.2	91.6	114.9	82.3	127.3	208.0	288.8	309.0	144.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.9	37.3	82.3	83.8	35.7
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°	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3	2091.3
2.5°	2128.5	2055.6	1951.5	1864.6	1791.6	1732.6	1682.9	1645.7	1634.8	1619.3	1619.3
5°	2206.2	2074.2	1887.9	1755.9	1679.8	1634.8	1603.8	1588.2	1580.5	1571.2	1566.5
7.5°	2313.3	2128.5	1877.0	1743.5	1684.5	1656.6	1636.4	1627.1	1620.8	1611.5	1611.5
10°	2460.8	2209.3	1911.2	1787.0	1740.4	1712.4	1689.2	1673.6	1659.7	1645.7	1642.6
12.5°	2620.7	2314.8	1973.3	1846.0	1796.3	1762.1	1729.5	1706.2	1689.2	1672.1	1667.4
15°	2797.7	2423.5	2040.0	1903.4	1841.3	1794.7	1755.9	1720.2	1696.9	1672.1	1669.0
17.5°	2971.6	2533.7	2095.9	1942.2	1863.0	1805.6	1749.7	1703.1	1673.6	1645.7	1637.9
20°	3179.6	2644.0	2134.7	1953.1	1858.4	1782.3	1715.6	1656.6	1624.0	1591.3	1586.7
22.5°	3370.6	2746.4	2153.4	1937.6	1822.7	1732.6	1655.0	1591.3	1555.6	1523.0	1516.8
25°	3555.3	2836.5	2145.6	1900.3	1768.3	1664.3	1583.6	1519.9	1485.8	1451.6	1442.3
27.5°	3733.8	2897.0	2114.6	1842.9	1700.0	1588.2	1510.6	1453.2	1423.7	1394.2	1381.8
30°	3909.3	2952.9	2066.4	1768.3	1613.1	1509.1	1445.4	1405.0	1375.5	1344.5	1335.2
32.5°	4086.3	2993.3	1993.5	1681.4	1524.6	1439.2	1400.4	1370.9	1339.8	1308.8	1299.5
35°	4264.8	3010.4	1905.0	1582.0	1450.1	1394.2	1380.2	1346.0	1304.1	1266.9	1254.4
37.5°	4477.5	3025.9	1794.7	1484.2	1384.9	1372.4	1369.3	1318.1	1268.4	1217.2	1203.2
40°	4733.7	3046.1	1681.4	1395.7	1332.1	1364.7	1352.3	1282.4	1183.0	1133.4	1117.8
42.5°	5047.3	3083.3	1563.4	1315.0	1293.3	1335.2	1321.2	1195.5	1128.7	1100.7	1093.0
45°	5508.4	3220.0	1445.4	1251.3	1263.8	1293.3	1271.5	1144.2	1117.8	1099.2	1089.9
47.5°	6329.7	3429.5	1342.9	1203.2	1240.5	1256.0	1172.2	1130.2	1110.1	1085.2	1074.4
50°	7183.6	3521.1	1260.7	1173.7	1214.1	1221.8	1117.8	1111.6	1097.6	1071.2	1060.4
52.5°	7761.1	3508.7	1211.0	1162.8	1192.3	1162.8	1093.0	1091.4	1082.1	1051.1	1038.6
55°	8413.2	3530.5	1189.2	1166.0	1183.0	1063.5	1061.9	1066.6	1061.9	1027.8	1021.6
57.5°	9293.5	3597.2	1178.4	1176.8	1176.8	1015.4	1032.4	1038.6	1029.3	1013.8	1009.1
60°	10139.6	3601.9	1158.2	1189.2	1172.2	985.9	998.3	1004.5	993.6	990.5	989.0
62.5°	10457.9	3378.3	1113.2	1179.9	1153.5	953.3	962.6	965.7	954.8	962.6	961.0
65°	9984.3	2903.2	1038.6	1134.9	1096.1	923.8	917.5	925.3	906.7	926.9	928.4
67.5°	8865.0	2307.1	925.3	1049.5	1015.4	891.2	878.7	878.7	847.7	878.7	877.2
70°	7147.9	1630.2	759.2	912.9	926.9	852.3	846.1	810.4	760.7	807.3	802.7
72.5°	5418.3	1170.6	597.7	721.9	798.0	798.0	799.6	739.0	681.6	703.3	684.7
75°	3432.7	824.4	478.2	552.7	625.7	700.2	735.9	624.1	572.9	563.6	554.3
77.5°	1546.3	541.8	372.6	423.8	444.0	552.7	672.2	537.2	467.3	447.1	440.9
80°	647.4	336.9	265.5	299.6	273.2	464.2	593.1	417.6	343.1	315.2	295.0
82.5°	284.1	200.3	169.2	161.5	170.8	344.7	442.5	277.9	214.2	290.3	293.4
85°	119.5	105.6	86.9	79.2	69.9	132.0	208.0	108.7	133.5	76.1	62.1
87.5°	27.9	31.1	23.3	15.5	9.3	1.6	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)