

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: P635855

Luminaire Tested: GWS-SA3E-750-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635855
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-SA3E-750-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22938.1 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

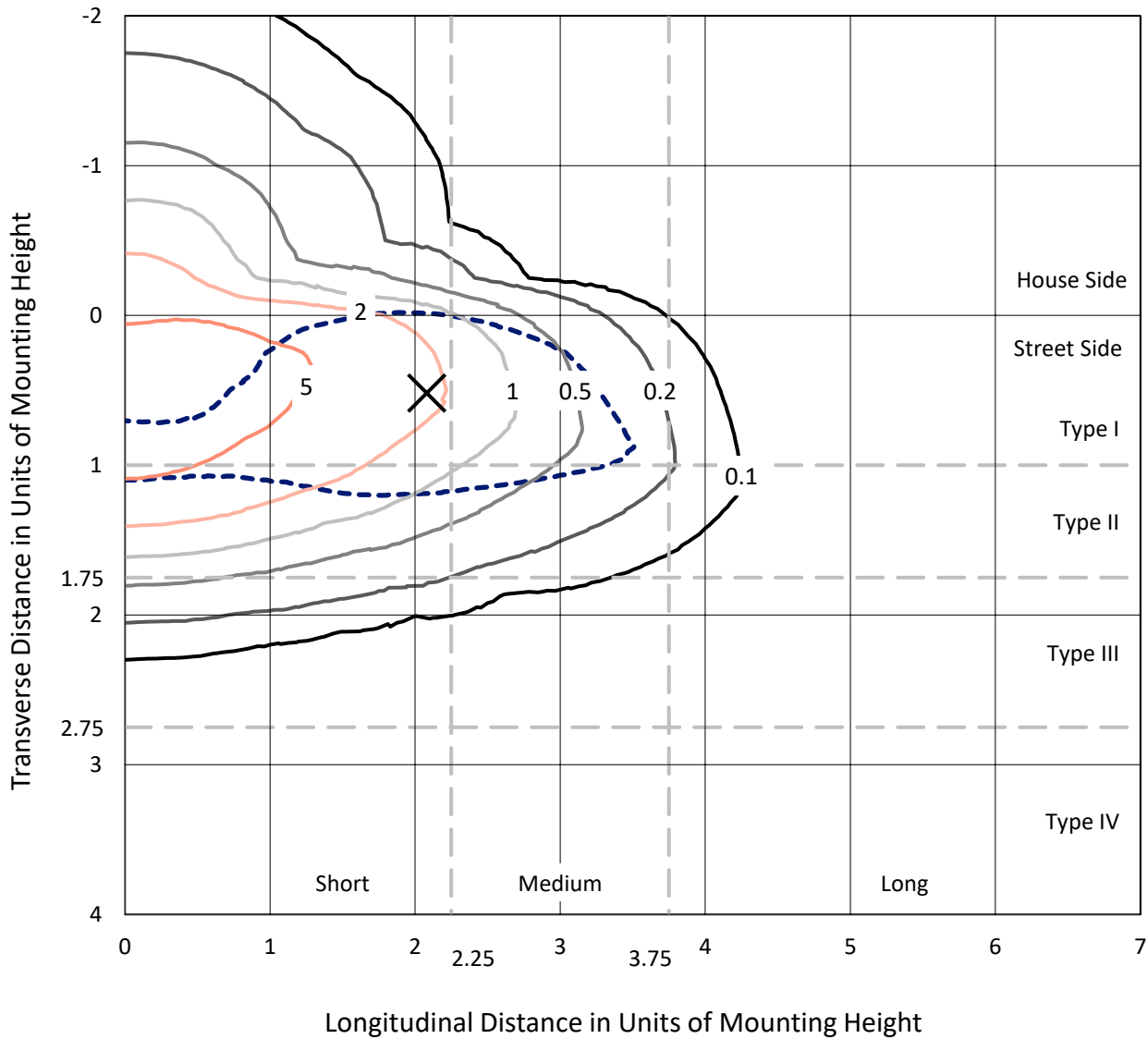
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

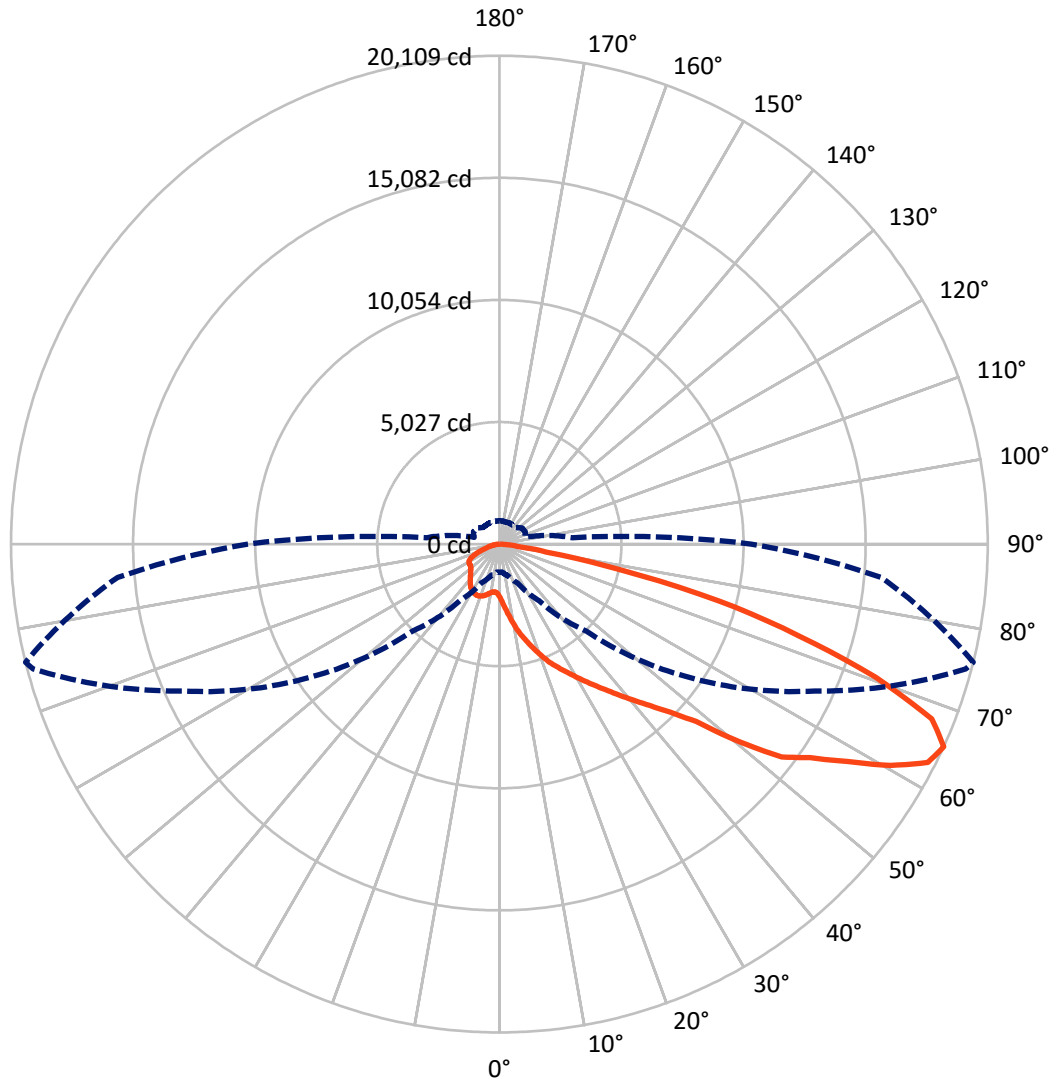
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	3834.1	0.0	3834.1
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	19104.0	0.0	19104.0
	% Fixture	83.3	0.0	83.3
Total	Lumens	22938.1	0.0	22938.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.1	1.1
10°-20°	982.9	4.3
20°-30°	1915.6	8.4
30°-40°	3203.7	14.0
40°-50°	4587.1	20.0
50°-60°	5430.5	23.7
60°-70°	4515.5	19.7
70°-80°	1847.9	8.1
80°-90°	196.7	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°	22938.1	100.0
0°-180°	22938.1	100.0

Coefficient of Utilization



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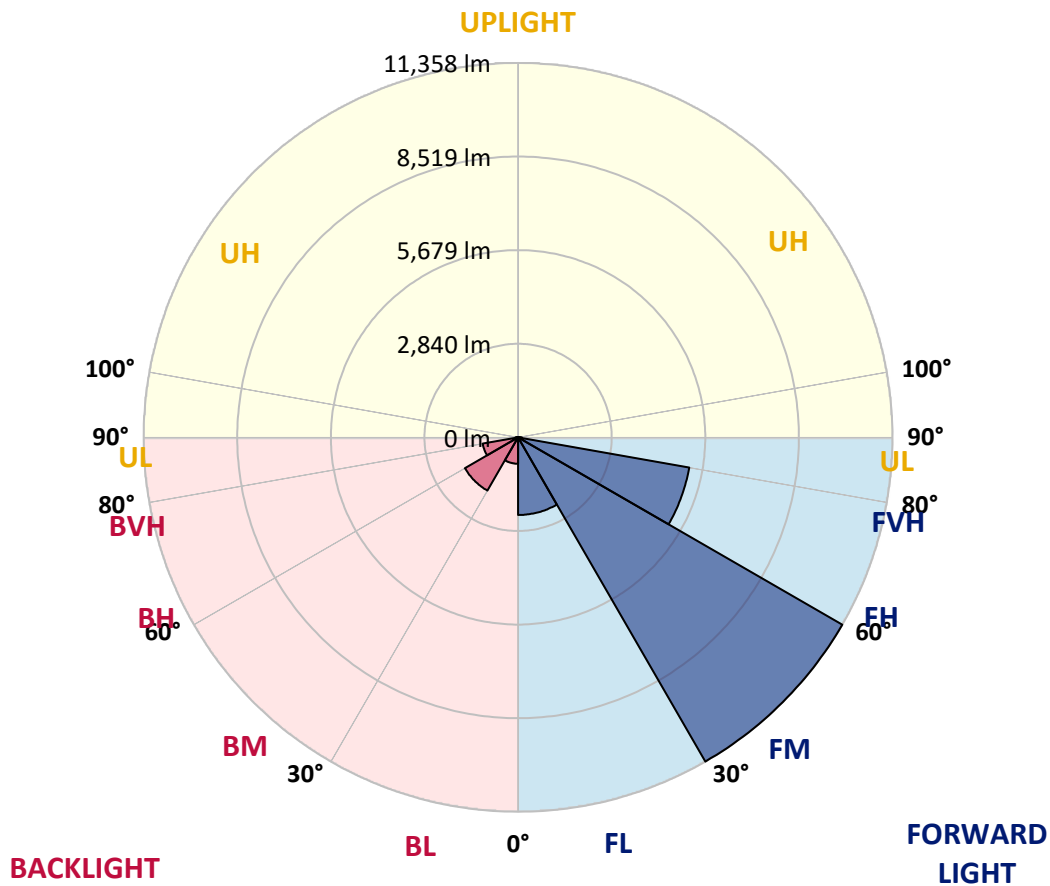
CATALOG NUMBER: GWS-SA3E-750-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2354.5	10.3			
FM (30°-60°)	11358.1	49.5			
FH (60°-80°)	5274.1	23.0			G3/7500
FVH (80°-90°)	117.3	0.5			G2/225
BL (0°-30°)	802.1	3.5	B2/1000		
BM (30°-60°)	1863.3	8.1	B2/2500		
BH (60°-80°)	1089.3	4.7	B3/2500		G3/2500
BVH (80°-90°)	79.4	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°	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2
2.5°	3044.6	3055.9	3018.8	3005.9	2918.8	2801.1	2702.7	2554.3	2417.3	2396.3	2273.7
5°	3867.0	3818.6	3776.7	3749.3	3628.3	3494.5	3286.5	3007.5	2715.6	2680.1	2415.7
7.5°	4355.6	4347.5	4295.9	4279.8	4186.3	4052.4	3838.0	3491.2	3067.1	3009.1	2607.6
10°	4747.5	4742.6	4716.8	4731.3	4645.9	4515.2	4307.2	3949.2	3452.5	3394.5	2822.0
12.5°	5089.3	5097.4	5092.5	5145.8	5102.2	5000.6	4784.5	4391.1	3838.0	3775.1	3083.3
15°	5339.3	5345.7	5369.9	5486.0	5510.2	5489.2	5269.9	4824.9	4218.5	4128.2	3352.6
17.5°	5410.2	5423.1	5481.2	5668.2	5798.9	5885.9	5723.1	5266.7	4592.6	4494.3	3626.7
20°	5505.4	5519.9	5577.9	5773.1	5965.0	6163.3	6134.3	5715.0	4970.0	4889.4	3904.1
22.5°	5945.6	5934.3	5908.5	6002.0	6139.1	6385.8	6458.4	6145.6	5360.2	5282.8	4210.5
25°	6793.8	6772.9	6608.4	6522.9	6477.8	6627.7	6756.7	6537.4	5740.8	5624.7	4495.9
27.5°	7729.1	7717.8	7508.2	7305.0	7027.6	6963.1	7038.9	6879.3	6110.1	5992.4	4744.2
30°	8614.4	8580.6	8361.3	8106.5	7735.6	7458.2	7346.9	7214.7	6514.8	6392.3	5034.5
32.5°	9406.2	9362.7	9104.7	8822.5	8433.8	8106.5	7774.3	7571.1	6972.8	6830.9	5331.2
35°	10056.1	10012.5	9748.1	9448.1	9020.8	8778.9	8324.2	7958.1	7438.9	7295.3	5681.1
37.5°	10559.2	10518.9	10243.1	9948.0	9575.5	9383.6	8988.6	8393.5	7975.9	7825.9	6052.0
40°	10841.4	10812.4	10591.5	10357.6	10044.8	9878.7	9701.3	8943.4	8577.3	8427.4	6489.0
42.5°	10926.9	10907.5	10752.7	10631.8	10420.5	10294.7	10396.3	9590.0	9219.2	9088.5	6980.9
45°	10712.4	10712.4	10667.3	10728.5	10738.2	10736.6	11093.0	10320.6	10007.7	9864.2	7674.3
47.5°	10164.1	10199.6	10265.7	10567.3	10885.0	11151.0	11907.3	11294.6	11022.0	10904.3	8656.4
50°	9161.1	9257.9	9483.6	10072.2	10747.9	11425.2	12678.2	12734.6	12994.2	12786.2	10101.2
52.5°	7692.0	7677.5	8253.2	9091.8	10122.2	11436.5	13102.3	14005.3	14703.6	14560.0	11175.2
55°	6113.3	6089.1	6626.1	7782.3	9162.7	11004.3	13357.0	14587.5	15651.8	15522.8	12141.2
57.5°	4681.3	4650.7	5128.0	6171.4	7808.1	10086.7	13308.7	15280.9	16956.3	16890.2	13453.8
60°	3221.9	3184.9	3631.5	4544.3	6205.2	8683.8	12773.3	15637.2	18483.5	18506.0	14858.4
62.5°	1935.1	1914.1	2238.3	2946.2	4463.6	6945.4	11520.3	15421.2	19699.4	19800.9	15761.4
65°	1167.5	1153.0	1343.3	1757.7	2831.7	5068.4	9588.4	14316.5	19875.1	20108.9	15782.4
67.5°	849.8	851.4	906.3	1070.8	1651.3	3273.5	7195.4	12336.3	18959.2	19201.1	14787.4
70°	738.6	741.8	770.8	807.9	998.2	1873.8	4678.1	9738.4	16251.6	16438.7	12402.4
72.5°	656.3	656.3	675.7	695.0	780.5	1141.7	2506.0	6806.7	12826.5	12876.5	9465.9
75°	577.3	572.5	582.1	591.8	677.3	798.2	1219.1	4742.6	9473.9	9357.8	6118.2
77.5°	459.6	454.7	456.4	466.0	543.4	570.9	617.6	2962.3	5339.3	5039.3	2702.7
80°	327.4	324.1	341.9	366.1	401.5	349.9	387.0	1433.6	2117.3	1970.6	1048.2
82.5°	195.1	201.6	229.0	248.3	277.4	219.3	250.0	478.9	749.9	730.5	425.7
85°	27.4	29.0	82.2	95.1	119.3	85.5	132.2	216.1	299.9	320.9	150.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.3	38.7	85.5	87.1	37.1
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°	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2	2172.2
2.5°	2210.9	2135.1	2027.0	1936.7	1860.9	1799.6	1748.0	1709.3	1698.1	1681.9	1681.9
5°	2291.5	2154.4	1960.9	1823.8	1744.8	1698.1	1665.8	1649.7	1641.6	1631.9	1627.1
7.5°	2402.8	2210.9	1949.6	1810.9	1749.7	1720.6	1699.7	1690.0	1683.5	1673.9	1673.9
10°	2555.9	2294.7	1985.1	1856.1	1807.7	1778.7	1754.5	1738.4	1723.9	1709.3	1706.1
12.5°	2722.0	2404.4	2049.6	1917.4	1865.8	1830.3	1796.4	1772.2	1754.5	1736.8	1731.9
15°	2905.9	2517.2	2118.9	1977.0	1912.5	1864.1	1823.8	1786.7	1762.6	1736.8	1733.5
17.5°	3086.5	2631.7	2177.0	2017.3	1935.1	1875.4	1817.4	1769.0	1738.4	1709.3	1701.3
20°	3302.6	2746.2	2217.3	2028.6	1930.3	1851.2	1781.9	1720.6	1686.8	1652.9	1648.1
22.5°	3500.9	2852.7	2236.7	2012.5	1893.2	1799.6	1719.0	1652.9	1615.8	1581.9	1575.5
25°	3692.8	2946.2	2228.6	1973.8	1836.7	1728.7	1644.8	1578.7	1543.2	1507.8	1498.1
27.5°	3878.3	3009.1	2196.3	1914.1	1765.8	1649.7	1569.0	1509.4	1478.7	1448.1	1435.2
30°	4060.5	3067.1	2146.4	1836.7	1675.5	1567.4	1501.3	1459.4	1428.8	1396.5	1386.8
32.5°	4244.3	3109.1	2070.6	1746.4	1583.6	1494.9	1454.6	1423.9	1391.7	1359.4	1349.7
35°	4429.8	3126.8	1978.6	1643.2	1506.2	1448.1	1433.6	1398.1	1354.6	1315.9	1303.0
37.5°	4650.7	3142.9	1864.1	1541.6	1438.4	1425.5	1422.3	1369.1	1317.5	1264.3	1249.8
40°	4916.8	3163.9	1746.4	1449.7	1383.6	1417.5	1404.6	1332.0	1228.8	1177.2	1161.1
42.5°	5242.5	3202.6	1623.9	1365.9	1343.3	1386.8	1372.3	1241.7	1172.3	1143.3	1135.3
45°	5721.5	3344.5	1501.3	1299.7	1312.6	1343.3	1320.7	1188.5	1161.1	1141.7	1132.0
47.5°	6574.5	3562.2	1394.9	1249.8	1288.5	1304.6	1217.5	1174.0	1153.0	1127.2	1115.9
50°	7461.4	3657.3	1309.4	1219.1	1261.0	1269.1	1161.1	1154.6	1140.1	1112.7	1101.4
52.5°	8061.3	3644.4	1257.8	1207.8	1238.5	1207.8	1135.3	1133.6	1124.0	1091.7	1078.8
55°	8738.6	3667.0	1235.2	1211.1	1228.8	1104.6	1103.0	1107.8	1103.0	1067.5	1061.1
57.5°	9652.9	3736.4	1224.0	1222.3	1222.3	1054.6	1072.4	1078.8	1069.1	1053.0	1048.2
60°	10531.8	3741.2	1203.0	1235.2	1217.5	1024.0	1036.9	1043.3	1032.1	1028.8	1027.2
62.5°	10862.4	3509.0	1156.2	1225.6	1198.2	990.1	999.8	1003.0	991.7	999.8	998.2
65°	10370.5	3015.5	1078.8	1178.8	1138.5	959.5	953.0	961.1	941.8	962.7	964.3
67.5°	9207.9	2396.3	961.1	1090.1	1054.6	925.6	912.7	912.7	880.5	912.7	911.1
70°	7424.3	1693.2	788.6	948.2	962.7	885.3	878.9	841.8	790.2	838.5	833.7
72.5°	5627.9	1215.9	620.8	749.9	828.9	828.9	830.5	767.6	707.9	730.5	711.2
75°	3565.4	856.3	496.7	574.1	649.9	727.3	764.4	648.3	595.0	585.4	575.7
77.5°	1606.1	562.8	387.0	440.2	461.2	574.1	698.2	558.0	485.4	464.4	458.0
80°	672.4	349.9	275.8	311.2	283.8	482.2	616.0	433.8	356.4	327.4	306.4
82.5°	295.1	208.0	175.8	167.7	177.4	358.0	459.6	288.7	222.5	301.6	304.8
85°	124.2	109.7	90.3	82.2	72.6	137.1	216.1	112.9	138.7	79.0	64.5
87.5°	29.0	32.3	24.2	16.1	9.7	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)