

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: P631373

Luminaire Tested: GWS-SA1F-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8871.6 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

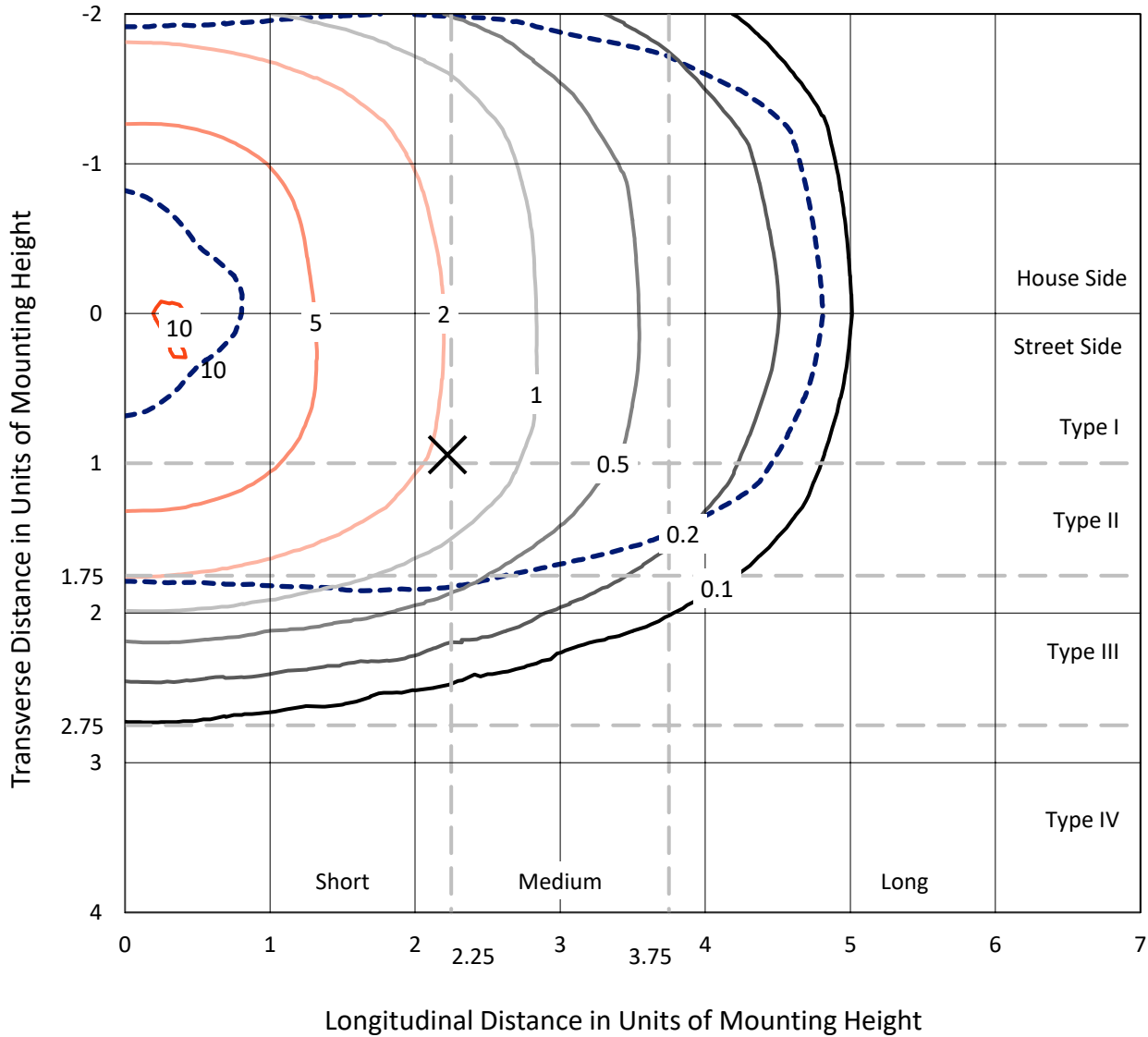
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

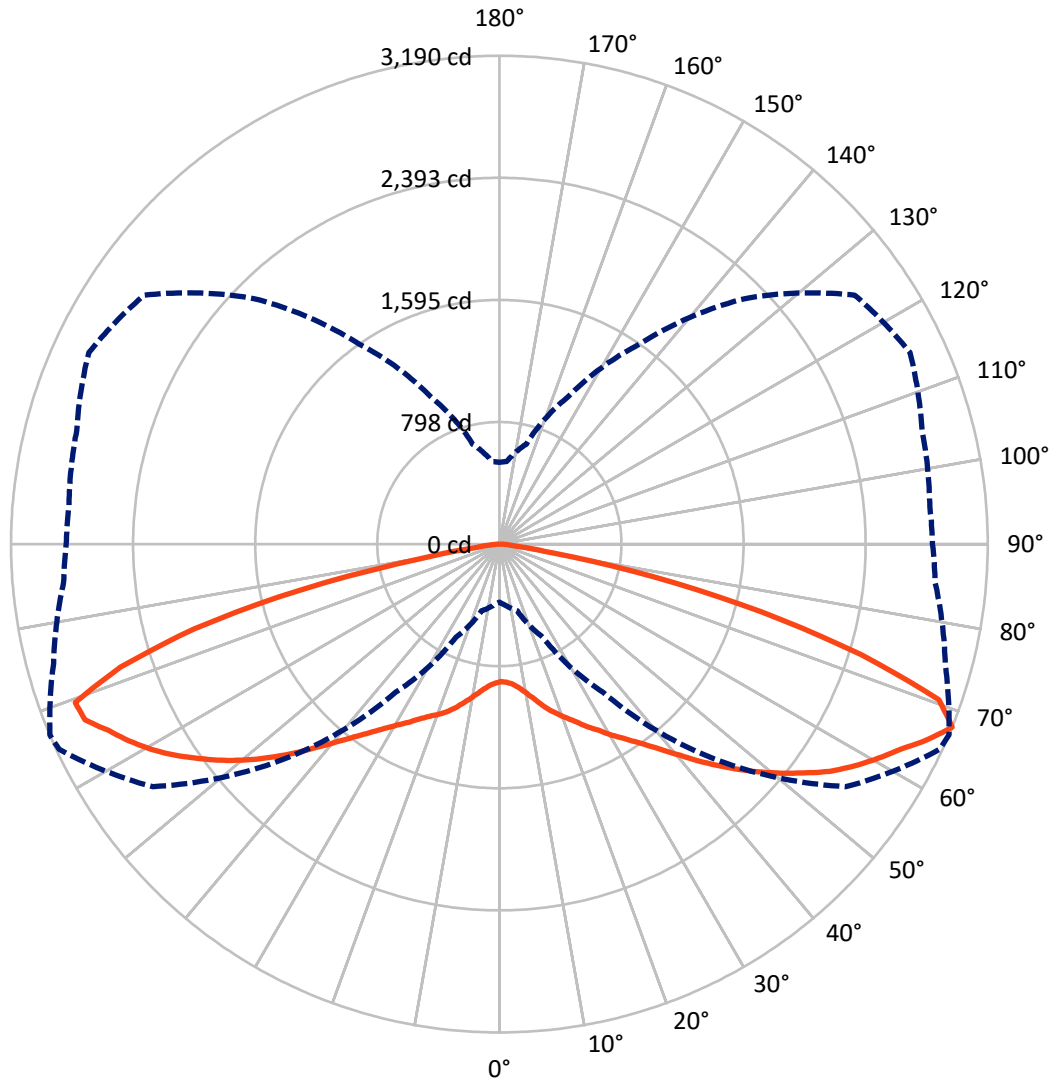
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4386.8	0.0	4386.8
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	4484.8	0.0	4484.8
	% Fixture	50.6	0.0	50.6
Total	Lumens	8871.6	0.0	8871.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	1.0
10°-20°	297.8	3.4
20°-30°	584.2	6.6
30°-40°	995.3	11.2
40°-50°	1598.2	18.0
50°-60°	2171.6	24.5
60°-70°	2077.3	23.4
70°-80°	987.6	11.1
80°-90°	71.6	0.8
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°	8871.6	100.0
0°-180°	8871.6	100.0

Coefficient of Utilization



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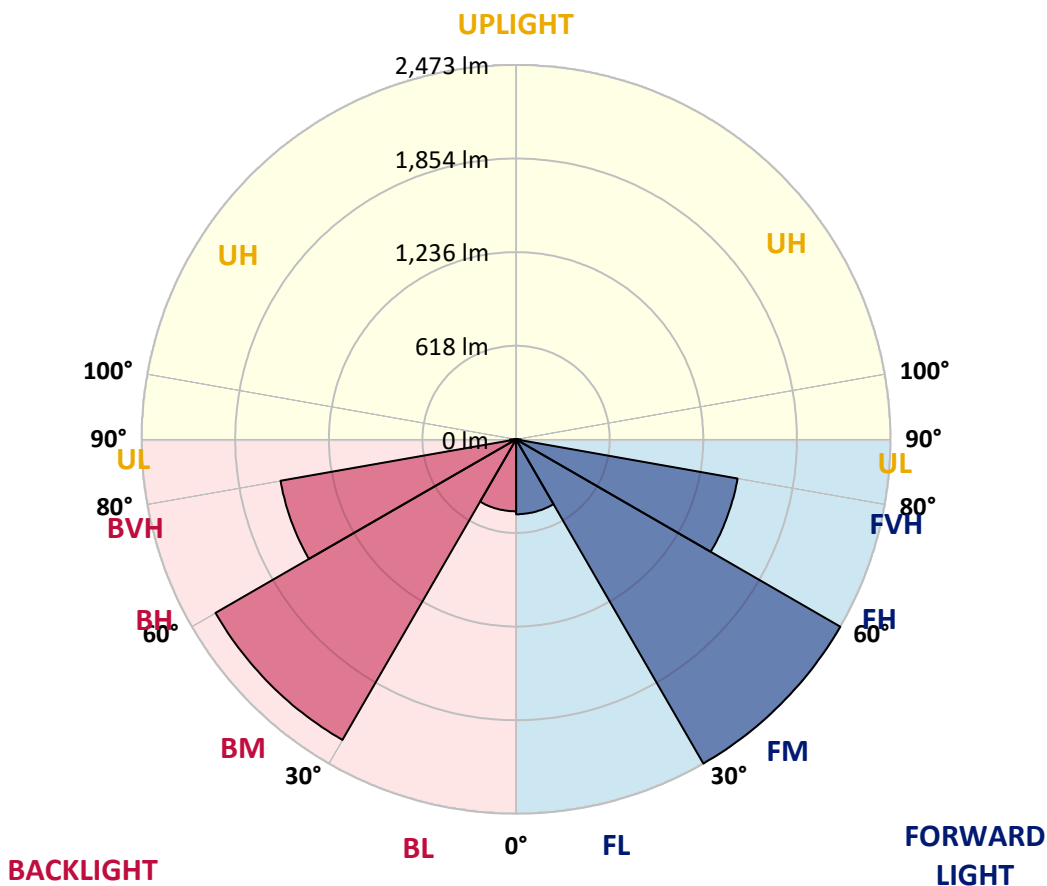
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.7	5.6			
FM (30°-60°)	2472.6	27.9			
FH (60°-80°)	1485.3	16.7			G1/1800
FVH (80°-90°)	32.2	0.4			G1/100
BL (0°-30°)	475.4	5.4	B1/500		
BM (30°-60°)	2292.5	25.8	B2/2500		
BH (60°-80°)	1579.6	17.8	B3/2500		G3/2500
BVH (80°-90°)	39.4	0.4			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3
2.5°	879.8	881.0	882.9	886.6	890.3	895.8	901.4	900.8	903.2	905.1	906.9
5°	874.8	876.1	879.1	884.1	889.6	898.9	910.7	915.6	919.3	926.1	932.3
7.5°	885.3	887.8	892.1	898.9	907.6	919.3	935.4	944.0	949.6	961.9	972.4
10°	899.5	902.6	911.3	924.2	937.2	955.1	975.5	988.5	992.2	1008.3	1028.0
12.5°	913.1	916.8	931.0	954.5	978.0	1002.1	1026.2	1042.2	1043.5	1065.1	1087.3
15°	934.7	937.8	957.0	987.3	1023.1	1056.5	1086.1	1097.2	1102.2	1117.6	1145.4
17.5°	982.3	986.0	1010.7	1043.5	1081.2	1116.4	1146.0	1155.3	1155.3	1168.3	1191.1
20°	1033.6	1037.3	1070.1	1112.1	1157.8	1193.6	1216.5	1207.8	1204.7	1208.4	1224.5
22.5°	1091.1	1097.9	1129.4	1178.2	1234.4	1278.3	1290.0	1264.0	1255.4	1246.7	1250.5
25°	1164.6	1172.6	1203.5	1255.4	1310.4	1356.7	1363.5	1323.4	1318.4	1288.1	1277.0
27.5°	1249.2	1255.4	1293.7	1345.0	1396.3	1435.2	1442.6	1393.2	1376.5	1334.5	1308.5
30°	1358.6	1364.1	1397.5	1448.2	1492.6	1519.8	1529.1	1461.1	1448.2	1383.9	1343.7
32.5°	1477.8	1480.3	1514.3	1563.1	1602.6	1628.6	1615.6	1536.5	1517.3	1445.1	1390.1
35°	1614.3	1614.3	1658.2	1697.7	1729.3	1736.7	1712.0	1621.8	1599.5	1521.1	1452.5
37.5°	1748.4	1752.1	1792.9	1839.8	1867.6	1866.4	1821.3	1722.5	1697.1	1611.9	1535.9
40°	1893.6	1901.6	1942.4	1994.9	2021.5	2017.8	1948.6	1838.6	1812.7	1712.0	1637.8
42.5°	2027.0	2040.0	2087.6	2141.3	2170.4	2167.9	2095.6	1972.1	1946.7	1833.0	1758.9
45°	2133.3	2146.9	2206.2	2281.0	2327.3	2323.0	2250.1	2110.4	2079.6	1960.3	1878.8
47.5°	2226.6	2240.8	2306.9	2386.0	2459.5	2466.9	2400.2	2250.1	2217.3	2096.9	2004.8
50°	2298.3	2305.1	2379.2	2465.7	2550.9	2592.3	2534.3	2390.3	2350.8	2231.5	2127.7
52.5°	2292.7	2302.0	2393.4	2510.8	2625.1	2693.0	2652.9	2522.5	2484.2	2354.5	2253.2
55°	2179.6	2188.9	2297.6	2468.8	2666.5	2766.6	2762.2	2648.6	2620.8	2479.9	2383.5
57.5°	2014.7	2035.1	2143.2	2327.9	2612.1	2825.3	2842.6	2763.5	2734.4	2602.8	2512.6
60°	1719.4	1746.6	1871.4	2111.1	2437.9	2805.5	2928.4	2860.5	2842.6	2717.1	2629.4
62.5°	1249.2	1269.0	1435.2	1749.6	2179.6	2664.6	3000.7	2960.6	2947.0	2819.7	2735.1
65°	748.2	793.3	926.7	1237.5	1758.3	2399.0	2961.2	3091.5	3077.3	2925.3	2825.3
67.5°	378.7	399.1	451.6	670.9	1182.5	1985.0	2762.9	3173.1	3190.4	3015.5	2857.4
70°	234.8	240.3	255.2	331.1	590.6	1304.2	2259.3	2960.6	3045.2	3001.3	2774.0
72.5°	188.4	189.7	192.1	206.3	283.6	609.8	1428.4	2318.6	2471.2	2803.0	2654.7
75°	156.3	156.9	157.5	161.9	176.7	249.0	695.0	1593.3	1771.9	2382.3	2461.4
77.5°	125.4	122.3	124.8	126.7	130.4	139.0	239.7	850.1	1031.1	1563.7	1903.5
80°	81.6	80.3	85.3	87.1	90.8	96.4	127.9	288.5	350.3	569.0	605.5
82.5°	43.9	41.4	51.9	50.0	51.9	56.2	75.4	105.6	118.6	171.8	145.2
85°	13.6	13.6	14.2	16.7	20.4	19.8	32.7	51.9	57.5	73.5	54.4
87.5°	2.5	2.5	2.5	2.5	2.5	3.1	6.8	10.5	14.2	25.3	19.2
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°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3
2.5°	910.7	905.1	908.2	910.0	909.4	908.2	902.0	900.8	897.7	892.7	891.5
5°	937.8	931.7	932.3	930.4	924.2	916.2	902.6	895.8	890.3	884.1	883.5
7.5°	980.5	973.7	971.8	963.2	945.9	927.3	905.7	893.4	884.1	876.1	874.8
10°	1034.8	1028.0	1021.9	1001.5	973.1	948.3	919.9	902.0	888.4	878.5	876.7
12.5°	1095.4	1089.8	1074.4	1044.7	1010.7	981.7	952.7	930.4	910.7	895.8	894.0
15°	1162.7	1150.4	1126.9	1088.6	1056.5	1033.0	997.8	967.5	936.0	916.2	911.9
17.5°	1209.7	1199.2	1171.4	1134.3	1109.0	1088.6	1047.2	1003.9	961.3	932.3	926.1
20°	1243.0	1231.9	1200.4	1173.2	1165.2	1147.9	1099.7	1049.7	1000.2	964.4	956.4
22.5°	1267.1	1255.4	1223.3	1209.7	1220.8	1217.7	1170.8	1113.9	1055.2	1012.6	1002.7
25°	1290.0	1278.9	1250.5	1255.4	1285.0	1294.3	1243.7	1177.6	1110.8	1060.8	1049.0
27.5°	1311.6	1297.4	1284.4	1311.6	1353.6	1370.9	1317.2	1242.4	1170.1	1118.9	1109.6
30°	1345.0	1328.3	1326.4	1366.0	1432.7	1447.5	1388.2	1313.5	1241.8	1189.9	1178.2
32.5°	1387.0	1371.5	1372.8	1432.1	1509.3	1521.7	1471.0	1401.2	1329.5	1277.6	1261.6
35°	1443.8	1424.7	1435.2	1508.1	1585.9	1608.8	1568.0	1509.9	1440.1	1387.0	1369.1
37.5°	1522.3	1494.5	1516.1	1592.7	1671.2	1705.2	1673.7	1630.4	1561.2	1507.5	1490.8
40°	1622.4	1599.5	1608.2	1692.8	1773.7	1814.5	1794.7	1752.1	1683.5	1627.3	1608.2
42.5°	1741.0	1718.1	1715.0	1805.2	1886.2	1948.0	1928.8	1889.9	1818.8	1754.6	1736.1
45°	1857.1	1836.1	1840.5	1932.5	2023.3	2090.7	2071.5	2025.8	1948.6	1874.4	1859.6
47.5°	1978.2	1960.9	1964.6	2062.3	2162.3	2229.7	2205.6	2150.0	2059.8	1980.7	1962.8
50°	2102.4	2082.6	2088.2	2190.8	2298.9	2362.5	2325.4	2243.3	2143.8	2066.6	2051.1
52.5°	2226.0	2202.5	2216.7	2313.7	2425.5	2476.2	2407.6	2308.1	2211.8	2135.2	2117.9
55°	2368.1	2343.4	2327.9	2431.7	2542.3	2563.3	2469.4	2353.2	2239.0	2151.8	2141.3
57.5°	2497.8	2476.8	2447.8	2551.6	2633.1	2617.7	2517.0	2340.9	2172.8	2061.0	2046.2
60°	2614.0	2596.0	2570.7	2659.1	2696.1	2661.5	2478.7	2194.5	2009.7	1893.0	1886.2
62.5°	2720.8	2701.7	2678.2	2753.6	2748.6	2668.3	2304.4	1969.6	1722.5	1597.0	1585.9
65°	2805.5	2788.2	2781.4	2840.7	2832.7	2535.5	2033.2	1601.4	1258.5	1117.0	1112.7
67.5°	2829.6	2822.8	2859.2	2959.9	2834.5	2268.6	1594.6	1062.0	675.9	541.8	533.8
70°	2739.4	2738.8	2843.2	2987.1	2577.5	1733.0	940.9	478.8	339.8	301.5	296.5
72.5°	2622.0	2620.1	2702.9	2576.9	1911.5	948.3	396.0	256.4	212.5	202.0	202.0
75°	2429.2	2424.3	2486.7	1960.3	1075.0	357.1	210.1	176.1	166.8	165.0	165.0
77.5°	1980.1	1938.7	1840.5	1211.5	375.0	175.5	139.0	138.4	132.8	132.2	132.2
80°	651.2	651.2	756.8	462.1	165.6	108.1	98.2	103.2	97.6	93.9	93.3
82.5°	106.3	146.4	208.2	132.2	89.6	67.3	60.5	64.3	67.3	53.7	53.7
85°	42.0	55.0	80.3	61.8	41.4	27.2	29.0	32.1	28.4	24.7	24.1
87.5°	16.1	19.8	28.4	14.8	8.6	4.9	3.1	3.1	2.5	2.5	2.5
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)