

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: P630897

Luminaire Tested: GWS-SA1E-750-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630897  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-750-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

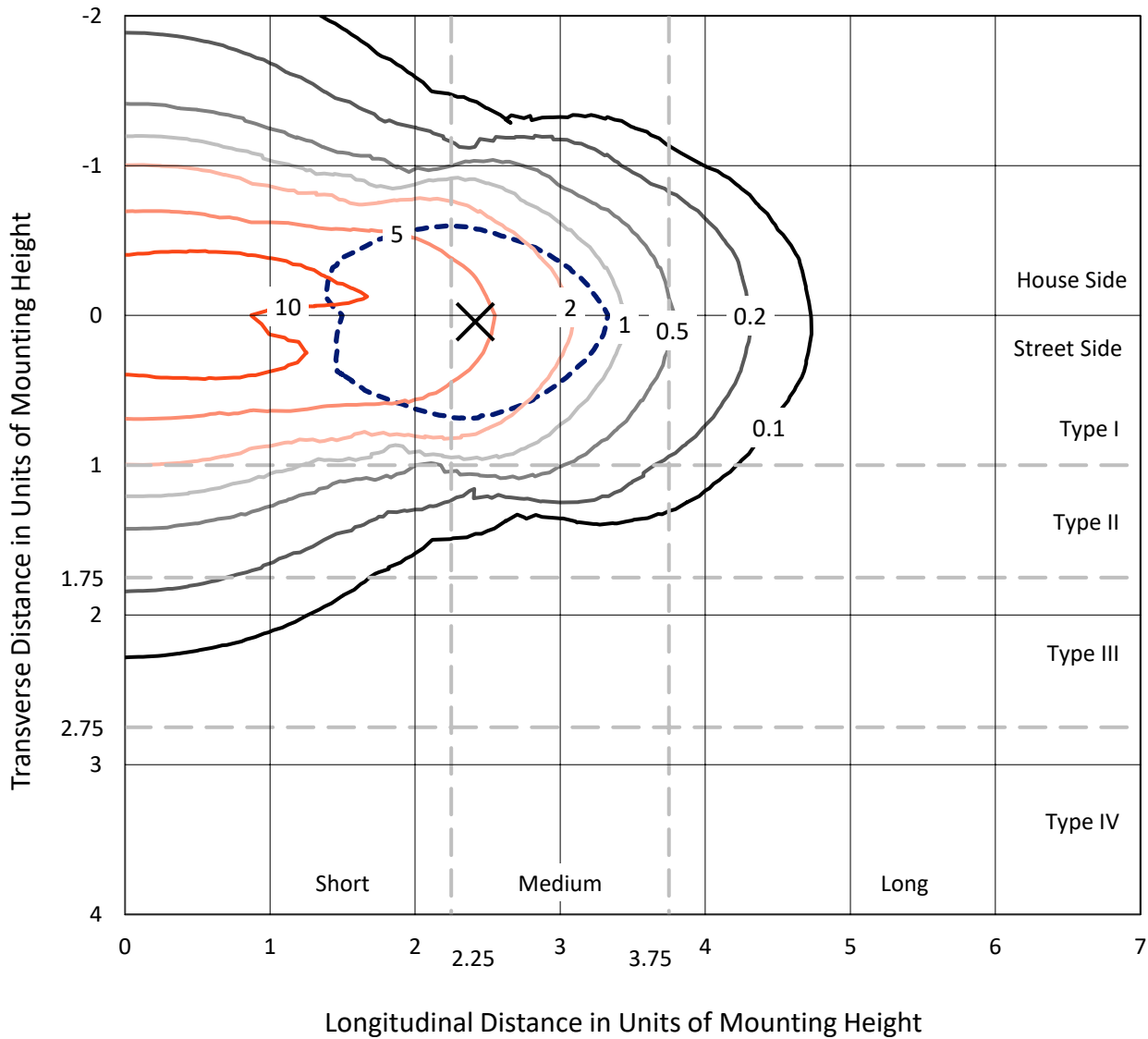
Lumens per Lamp: N/A  
Luminaire Lumens: 7737.1 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

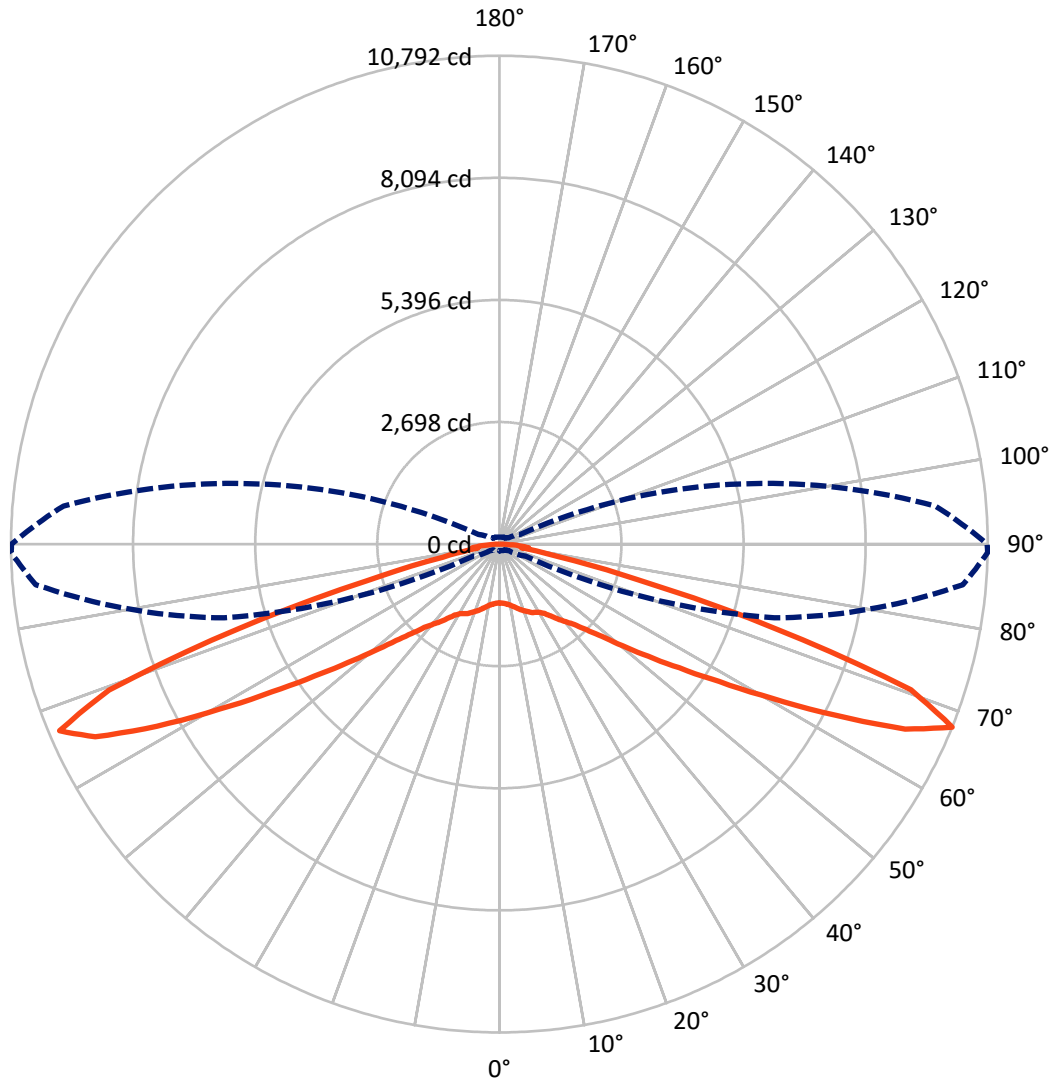
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3834.6	0.0	3834.6
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	3902.5	0.0	3902.5
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	7737.1	0.0	7737.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.3	1.7
10°-20°	424.1	5.5
20°-30°	717.0	9.3
30°-40°	984.0	12.7
40°-50°	1254.8	16.2
50°-60°	1574.4	20.3
60°-70°	1898.8	24.5
70°-80°	686.9	8.9
80°-90°	66.8	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°	7737.1	100.0
0°-180°	7737.1	100.0

**Coefficient of Utilization**



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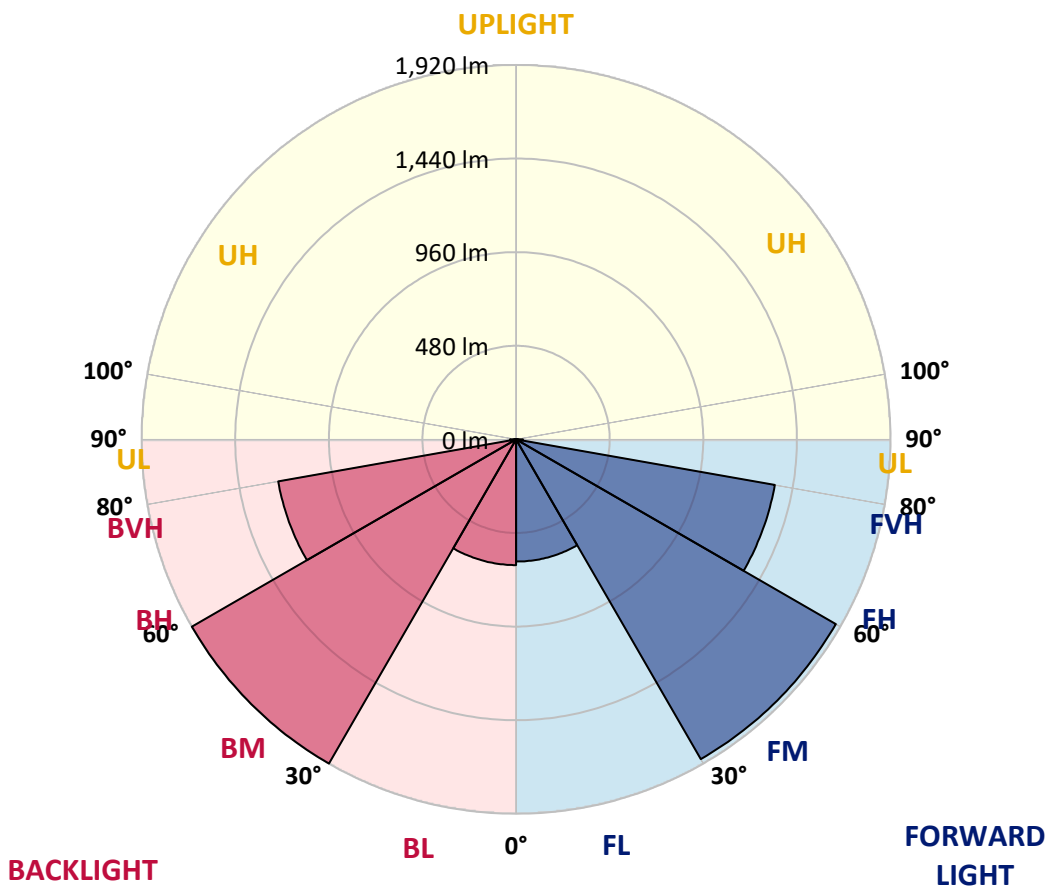
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	626.6	8.1			
FM (30°-60°)	1893.4	24.5			
FH (60°-80°)	1347.1	17.4			G1/1800
FVH (80°-90°)	35.2	0.5			G1/100
BL (0°-30°)	644.8	8.3	B2/1000		
BM (30°-60°)	1919.7	24.8	B2/2500		
BH (60°-80°)	1238.6	16.0	B3/2500		G3/2500
BVH (80°-90°)	31.6	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 I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6
2.5°	1302.5	1301.4	1298.6	1306.9	1305.3	1305.8	1309.2	1306.9	1303.1	1296.4	1305.8
5°	1339.2	1338.6	1332.5	1337.5	1332.0	1328.1	1327.5	1321.9	1317.5	1310.3	1320.3
7.5°	1374.7	1374.2	1369.2	1378.1	1373.6	1369.2	1364.2	1353.1	1342.5	1332.0	1343.1
10°	1402.0	1401.4	1400.3	1413.1	1414.2	1415.9	1413.6	1394.7	1376.4	1363.6	1374.7
12.5°	1417.5	1419.2	1422.0	1445.3	1457.0	1468.1	1470.9	1455.3	1424.7	1406.4	1419.7
15°	1407.0	1410.3	1424.2	1466.4	1498.7	1523.7	1534.2	1521.4	1482.0	1451.4	1466.4
17.5°	1356.4	1359.2	1386.4	1450.9	1522.0	1579.8	1597.0	1589.2	1545.3	1508.1	1522.5
20°	1286.4	1292.5	1321.9	1412.0	1518.1	1618.7	1664.8	1662.0	1614.2	1557.0	1574.2
22.5°	1223.0	1230.3	1261.4	1360.8	1492.0	1628.7	1733.1	1740.4	1677.0	1605.9	1619.8
25°	1151.9	1158.6	1198.6	1300.3	1447.0	1620.9	1791.5	1824.3	1748.2	1662.0	1674.8
27.5°	1079.1	1084.1	1123.6	1231.9	1388.1	1606.5	1837.6	1916.5	1818.2	1700.9	1709.8
30°	1015.2	1021.9	1058.0	1163.6	1323.6	1577.6	1875.4	2014.9	1898.7	1744.8	1752.0
32.5°	953.5	959.1	998.5	1096.3	1255.3	1533.1	1909.3	2130.5	2018.2	1826.5	1826.5
35°	875.7	885.7	930.2	1031.9	1190.8	1474.2	1933.7	2264.9	2181.6	1947.1	1947.6
37.5°	804.1	809.6	856.3	959.1	1123.0	1407.5	1936.0	2404.4	2388.3	2100.4	2101.6
40°	722.4	729.6	779.6	881.3	1045.2	1337.5	1914.9	2534.4	2605.0	2258.3	2252.1
42.5°	639.6	650.1	697.9	797.4	961.3	1251.9	1858.7	2658.3	2880.1	2441.1	2426.1
45°	559.6	566.2	614.0	707.9	865.2	1149.7	1768.7	2777.3	3206.8	2718.9	2697.2
47.5°	469.5	472.3	521.8	611.8	765.7	1035.8	1639.8	2883.4	3565.8	3086.8	3049.5
50°	389.5	393.4	432.3	509.6	644.0	900.7	1479.2	2945.6	4023.1	3588.5	3524.1
52.5°	315.1	319.0	350.1	411.8	532.3	746.8	1280.3	2931.2	4487.1	4211.5	4117.5
55°	254.5	257.3	278.4	326.7	419.0	594.0	1045.2	2801.7	5002.2	5025.0	4822.7
57.5°	215.0	216.2	230.6	260.1	327.3	457.9	806.8	2496.1	5542.3	6063.0	5730.7
60°	192.3	192.8	199.5	217.8	258.4	349.5	591.2	2009.3	6101.9	7361.6	6905.9
62.5°	177.8	177.8	183.4	193.9	214.5	268.9	434.5	1443.1	6503.6	8774.6	8321.8
65°	163.9	163.9	167.8	176.7	187.8	219.5	326.2	930.8	6700.9	9956.0	9855.4
67.5°	146.1	146.7	149.5	158.9	168.9	183.4	247.3	629.6	6291.3	10282.7	10791.7
70°	129.5	130.0	133.9	140.0	148.4	158.4	193.4	434.0	4579.3	8564.0	9649.3
72.5°	111.1	113.4	116.1	122.8	127.8	135.0	157.8	281.2	2664.5	5509.0	6378.6
75°	91.1	93.9	97.2	103.9	107.2	110.0	130.0	200.6	1281.9	2791.7	3179.0
77.5°	70.6	73.3	77.2	83.4	85.6	88.9	99.5	145.0	614.0	1237.5	1334.2
80°	47.2	48.3	51.7	58.9	62.8	65.0	73.3	98.9	266.7	496.8	492.3
82.5°	28.9	29.5	30.6	35.0	36.7	38.9	47.8	60.6	127.2	564.6	647.4
85°	10.6	10.0	9.4	12.2	14.4	16.7	22.2	30.6	55.6	387.9	434.0
87.5°	0.0	0.0	0.0	0.6	1.1	1.1	2.2	4.4	13.3	145.0	99.5
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°	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6
2.5°	1303.1	1296.9	1304.7	1310.3	1322.5	1326.9	1328.1	1324.2	1324.2	1317.5	1318.6
5°	1318.1	1314.2	1326.9	1336.4	1354.2	1360.8	1365.3	1362.5	1364.2	1359.7	1360.8
7.5°	1340.8	1337.5	1359.7	1378.1	1396.4	1404.2	1408.1	1405.9	1406.4	1400.9	1402.5
10°	1372.5	1373.6	1400.3	1424.2	1448.6	1456.4	1458.1	1451.4	1445.9	1435.9	1436.4
12.5°	1415.9	1421.4	1459.2	1485.9	1510.9	1522.0	1509.8	1485.3	1462.5	1445.3	1443.1
15°	1463.1	1473.1	1527.5	1561.4	1588.7	1583.1	1547.0	1492.0	1447.0	1421.4	1416.4
17.5°	1519.8	1534.8	1603.1	1643.7	1667.0	1631.5	1555.9	1473.6	1410.9	1376.4	1369.7
20°	1573.1	1597.0	1683.1	1735.9	1738.7	1658.7	1552.0	1436.4	1357.5	1315.3	1306.4
22.5°	1622.0	1652.6	1767.0	1834.3	1798.2	1670.9	1528.1	1383.6	1293.1	1243.6	1235.8
25°	1675.4	1718.7	1864.8	1927.6	1857.6	1665.9	1478.1	1318.1	1215.3	1164.7	1159.1
27.5°	1712.0	1766.5	1963.2	2023.2	1906.5	1637.6	1413.6	1246.4	1144.1	1096.3	1088.6
30°	1754.3	1823.7	2071.6	2127.1	1936.5	1595.9	1344.7	1179.7	1078.0	1026.3	1020.8
32.5°	1830.9	1918.2	2206.0	2237.1	1946.0	1544.2	1278.6	1115.2	1009.1	957.4	949.6
35°	1954.3	2056.5	2395.0	2359.9	1938.7	1487.5	1215.8	1039.7	938.5	890.2	882.4
37.5°	2109.9	2237.1	2605.6	2470.5	1918.7	1425.3	1141.4	976.3	875.2	826.3	821.8
40°	2254.9	2411.6	2841.7	2566.1	1878.2	1348.6	1069.7	910.2	806.8	755.2	745.2
42.5°	2436.6	2645.0	3115.1	2648.9	1811.5	1256.9	989.1	828.5	721.3	674.6	662.4
45°	2712.8	2971.7	3433.0	2728.4	1712.0	1144.1	888.0	729.0	627.4	579.6	570.1
47.5°	3057.3	3380.2	3777.5	2775.6	1560.9	1025.2	773.5	624.0	522.3	468.4	464.0
50°	3541.3	3974.2	4147.0	2767.3	1392.0	884.1	644.6	499.0	414.0	375.1	369.0
52.5°	4130.9	4719.9	4546.5	2667.2	1212.5	723.5	502.3	391.8	328.4	300.6	295.6
55°	4870.5	5612.9	4967.2	2452.7	985.8	554.0	394.5	309.0	265.6	248.9	246.7
57.5°	5786.2	6769.2	5372.3	2091.6	741.3	422.9	304.0	255.1	234.5	224.5	223.9
60°	6994.8	7996.7	5724.0	1625.3	530.7	323.4	251.2	227.8	211.7	205.0	204.5
62.5°	8431.8	9111.4	5942.9	1106.9	399.0	257.8	221.2	206.7	197.3	193.4	192.8
65°	9908.8	9816.0	5838.5	725.2	302.8	218.9	198.4	190.6	182.3	178.4	178.4
67.5°	10781.2	9667.1	5036.6	503.4	240.1	192.3	178.9	171.7	157.8	154.5	154.5
70°	9549.3	7833.3	3301.3	368.4	194.5	168.4	155.6	145.6	140.0	136.7	136.1
72.5°	6315.8	5097.2	1755.4	255.6	162.3	143.4	131.7	127.8	121.1	117.8	117.2
75°	3143.4	2677.2	899.6	184.5	135.0	115.0	110.0	108.4	102.8	98.4	97.2
77.5°	1310.3	1191.9	419.5	133.9	102.8	92.8	88.4	88.4	82.2	77.2	75.0
80°	494.0	440.1	198.4	91.7	76.1	68.9	66.1	63.9	58.9	52.8	49.5
82.5°	660.7	431.8	97.2	57.2	50.0	44.5	40.6	38.9	36.1	33.3	31.1
85°	427.9	306.7	43.9	29.5	25.0	18.9	16.7	15.6	13.9	12.2	11.1
87.5°	87.2	102.8	13.3	5.6	3.3	1.7	1.7	0.6	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)