

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: P632602

Luminaire Tested: GWS-SA2D-722-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632602  
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-SA2D-722-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

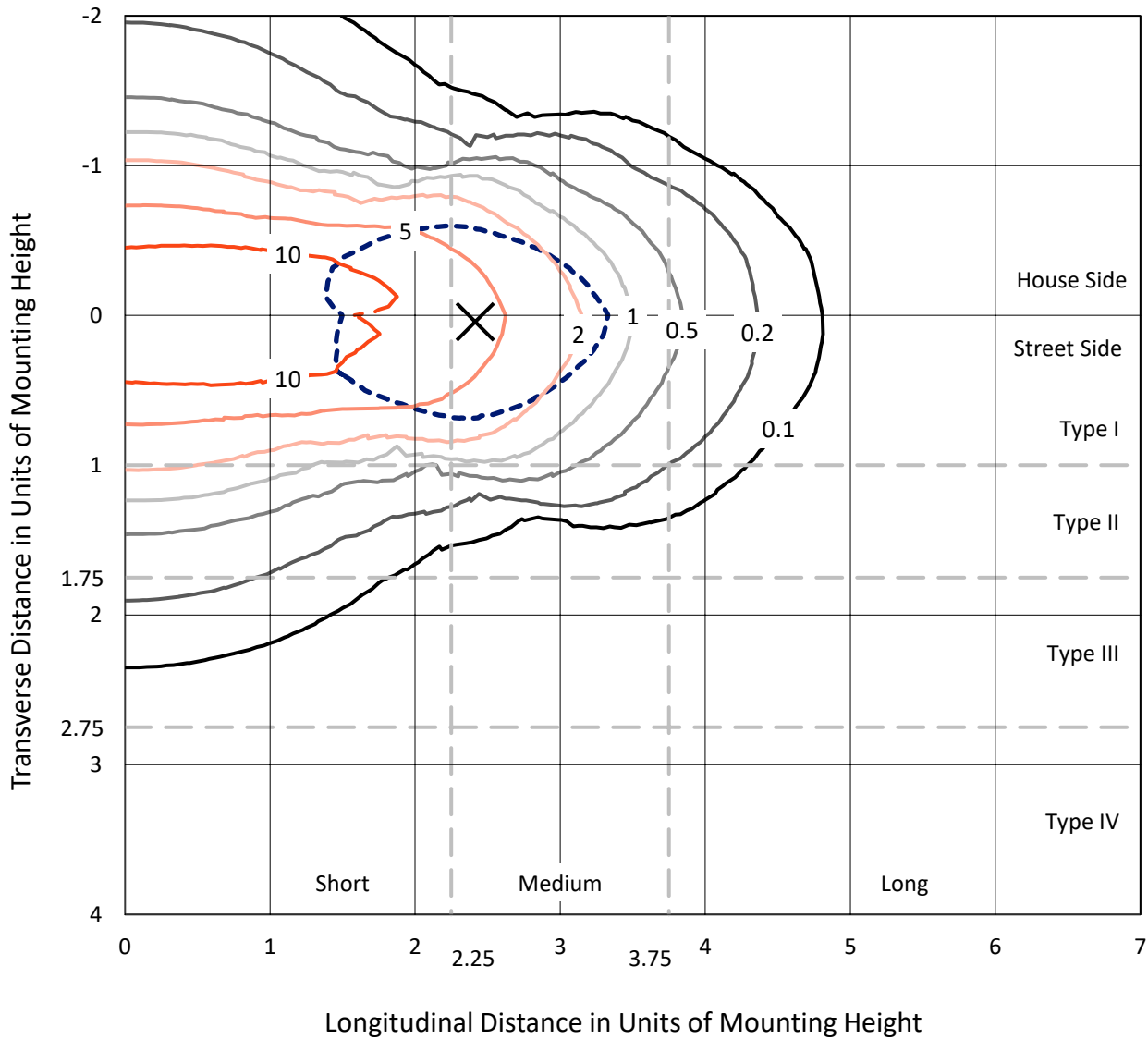
Lumens per Lamp: N/A  
Luminaire Lumens: 8584.8 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

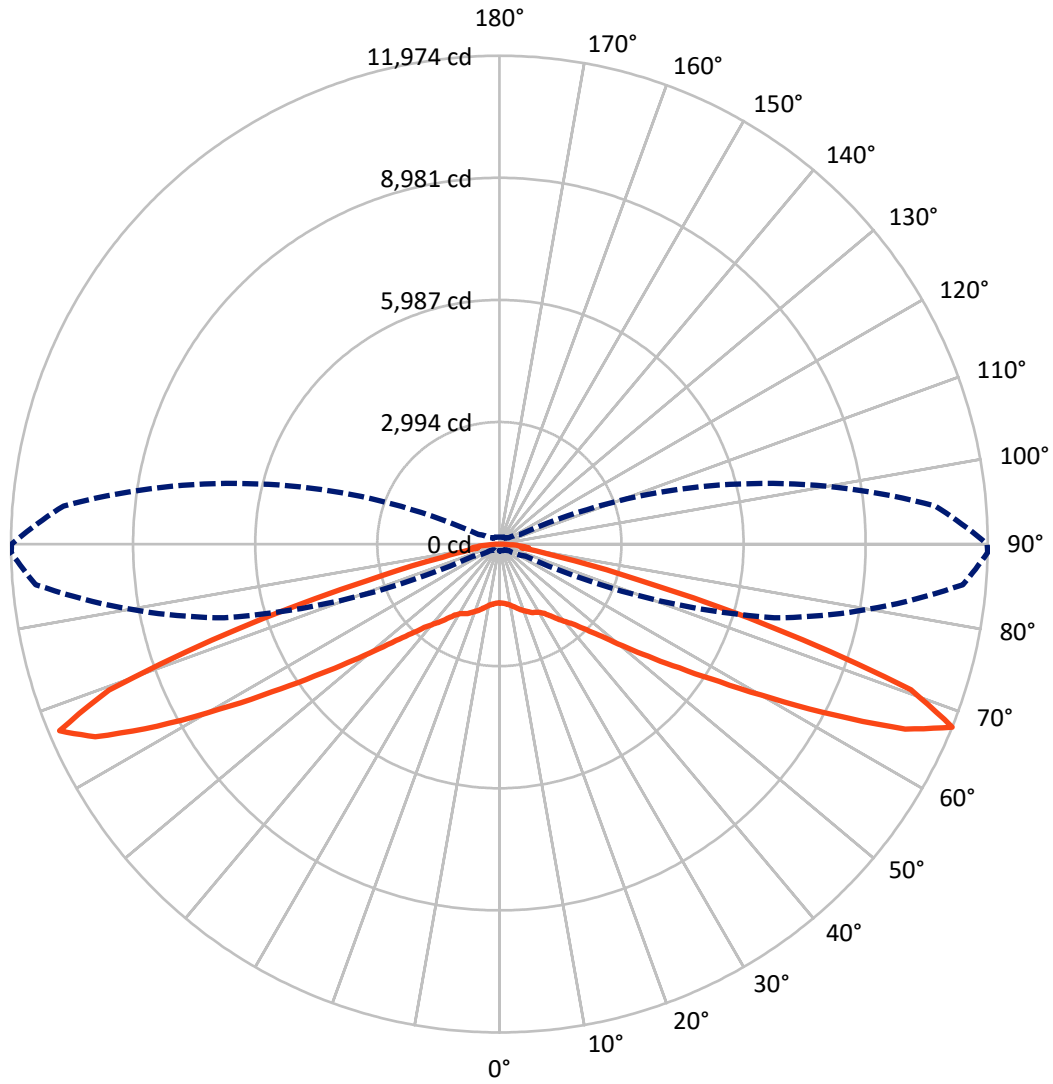
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 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	4254.8	0.0	4254.8
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	4330.0	0.0	4330.0
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	8584.8	0.0	8584.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.5	1.7
10°-20°	470.6	5.5
20°-30°	795.6	9.3
30°-40°	1091.8	12.7
40°-50°	1392.3	16.2
50°-60°	1746.8	20.3
60°-70°	2106.8	24.5
70°-80°	762.2	8.9
80°-90°	74.1	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°	8584.8	100.0
0°-180°	8584.8	100.0

**Coefficient of Utilization**



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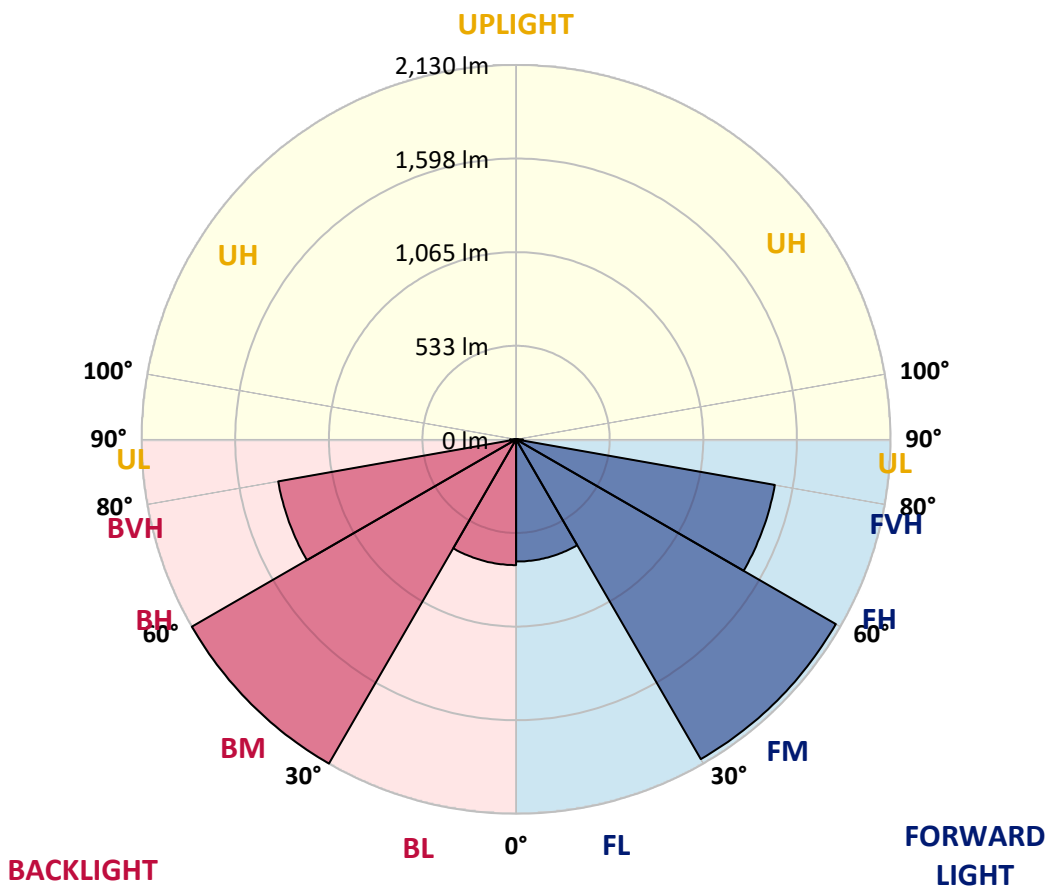
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	695.3	8.1			
FM (30°-60°)	2100.9	24.5			
FH (60°-80°)	1494.7	17.4			G1/1800
FVH (80°-90°)	39.1	0.5			G1/100
BL (0°-30°)	715.4	8.3	B2/1000		
BM (30°-60°)	2130.1	24.8	B2/2500		
BH (60°-80°)	1374.3	16.0	B3/2500		G3/2500
BVH (80°-90°)	35.0	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°	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9
2.5°	1445.2	1444.0	1440.9	1450.1	1448.3	1448.9	1452.6	1450.1	1445.8	1438.4	1448.9
5°	1485.9	1485.3	1478.5	1484.0	1477.9	1473.6	1473.0	1466.8	1461.9	1453.8	1464.9
7.5°	1525.4	1524.7	1519.2	1529.1	1524.1	1519.2	1513.6	1501.3	1489.6	1477.9	1490.2
10°	1555.6	1555.0	1553.7	1567.9	1569.1	1571.0	1568.5	1547.6	1527.2	1513.0	1525.4
12.5°	1572.8	1574.7	1577.8	1603.7	1616.6	1628.9	1632.0	1614.8	1580.8	1560.5	1575.3
15°	1561.1	1564.8	1580.2	1627.1	1662.8	1690.6	1702.3	1688.1	1644.4	1610.4	1627.1
17.5°	1505.0	1508.1	1538.3	1609.8	1688.7	1752.9	1772.0	1763.3	1714.6	1673.3	1689.4
20°	1427.3	1434.1	1466.8	1566.7	1684.4	1796.0	1847.2	1844.1	1791.1	1727.6	1746.7
22.5°	1357.0	1365.1	1399.6	1509.9	1655.5	1807.1	1923.0	1931.1	1860.8	1781.8	1797.3
25°	1278.1	1285.5	1329.9	1442.7	1605.5	1798.5	1987.8	2024.2	1939.7	1844.1	1858.3
27.5°	1197.4	1202.9	1246.7	1366.9	1540.2	1782.5	2038.9	2126.5	2017.4	1887.3	1897.1
30°	1126.4	1133.8	1173.9	1291.1	1468.6	1750.4	2080.9	2235.6	2106.8	1936.0	1944.0
32.5°	1058.0	1064.2	1107.9	1216.5	1392.8	1701.1	2118.5	2363.9	2239.3	2026.6	2026.6
35°	971.7	982.8	1032.1	1144.9	1321.3	1635.7	2145.6	2513.1	2420.6	2160.4	2161.0
37.5°	892.2	898.3	950.1	1064.2	1246.1	1561.7	2148.1	2667.8	2650.0	2330.6	2331.8
40°	801.5	809.5	865.0	977.9	1159.7	1484.0	2124.6	2812.1	2890.4	2505.7	2498.9
42.5°	709.7	721.4	774.4	884.8	1066.6	1389.1	2062.4	2949.6	3195.6	2708.5	2691.9
45°	620.9	628.3	681.3	785.5	960.0	1275.7	1962.5	3081.5	3558.1	3016.8	2992.8
47.5°	521.0	524.1	578.9	678.8	849.6	1149.3	1819.5	3199.3	3956.4	3425.0	3383.7
50°	432.2	436.5	479.7	565.4	714.6	999.4	1641.3	3268.4	4463.9	3981.7	3910.2
52.5°	349.6	353.9	388.4	456.9	590.7	828.7	1420.5	3252.3	4978.7	4672.9	4568.7
55°	282.4	285.5	308.9	362.5	464.9	659.1	1159.7	3108.7	5550.2	5575.5	5351.1
57.5°	238.6	239.8	255.9	288.5	363.2	508.0	895.2	2769.6	6149.5	6727.2	6358.5
60°	213.3	213.9	221.3	241.7	286.7	387.8	656.0	2229.5	6770.4	8168.1	7662.5
62.5°	197.3	197.3	203.5	215.2	238.0	298.4	482.1	1601.2	7216.2	9736.0	9233.5
65°	181.9	181.9	186.2	196.1	208.4	243.5	361.9	1032.7	7435.0	11046.8	10935.2
67.5°	162.2	162.8	165.9	176.3	187.4	203.5	274.4	698.6	6980.6	11409.4	11974.1
70°	143.7	144.3	148.6	155.4	164.6	175.7	214.6	481.5	5081.0	9502.3	10706.5
72.5°	123.3	125.8	128.9	136.3	141.8	149.8	175.1	312.0	2956.4	6112.5	7077.4
75°	101.1	104.2	107.9	115.3	119.0	122.1	144.3	222.6	1422.4	3097.6	3527.3
77.5°	78.3	81.4	85.7	92.5	94.9	98.6	110.4	160.9	681.3	1373.1	1480.3
80°	52.4	53.6	57.3	65.4	69.7	72.1	81.4	109.7	295.9	551.2	546.3
82.5°	32.1	32.7	33.9	38.8	40.7	43.2	53.0	67.2	141.2	626.4	718.3
85°	11.7	11.1	10.5	13.6	16.0	18.5	24.7	33.9	61.7	430.4	481.5
87.5°	0.0	0.0	0.0	0.6	1.2	1.2	2.5	4.9	14.8	160.9	110.4
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°	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9
2.5°	1445.8	1439.0	1447.7	1453.8	1467.4	1472.3	1473.6	1469.3	1469.3	1461.9	1463.1
5°	1462.5	1458.2	1472.3	1482.8	1502.5	1509.9	1514.9	1511.8	1513.6	1508.7	1509.9
7.5°	1487.7	1484.0	1508.7	1529.1	1549.4	1558.0	1562.4	1559.9	1560.5	1554.3	1556.2
10°	1522.9	1524.1	1553.7	1580.2	1607.4	1616.0	1617.8	1610.4	1604.3	1593.2	1593.8
12.5°	1571.0	1577.1	1619.1	1648.7	1676.4	1688.7	1675.2	1648.1	1622.8	1603.7	1601.2
15°	1623.4	1634.5	1694.9	1732.5	1762.7	1756.6	1716.5	1655.5	1605.5	1577.1	1571.6
17.5°	1686.3	1702.9	1778.8	1823.8	1849.7	1810.2	1726.4	1635.1	1565.4	1527.2	1519.8
20°	1745.5	1772.0	1867.5	1926.1	1929.2	1840.4	1722.0	1593.8	1506.2	1459.4	1449.5
22.5°	1799.7	1833.6	1960.6	2035.2	1995.2	1854.0	1695.5	1535.2	1434.7	1379.9	1371.2
25°	1858.9	1907.0	2069.2	2138.8	2061.1	1848.4	1640.0	1462.5	1348.4	1292.3	1286.1
27.5°	1899.6	1960.0	2178.3	2244.9	2115.4	1817.0	1568.5	1382.9	1269.5	1216.5	1207.8
30°	1946.5	2023.5	2298.5	2360.2	2148.7	1770.7	1492.1	1308.9	1196.1	1138.8	1132.6
32.5°	2031.5	2128.3	2447.7	2482.3	2159.2	1713.4	1418.7	1237.4	1119.7	1062.3	1053.7
35°	2168.4	2281.9	2657.4	2618.5	2151.2	1650.5	1349.0	1153.6	1041.4	987.7	979.1
37.5°	2341.1	2482.3	2891.0	2741.2	2129.0	1581.5	1266.4	1083.3	971.1	916.8	911.9
40°	2502.0	2675.8	3153.1	2847.3	2084.0	1496.4	1186.9	1009.9	895.2	837.9	826.8
42.5°	2703.6	2934.8	3456.4	2939.1	2010.0	1394.6	1097.5	919.3	800.3	748.5	734.9
45°	3010.0	3297.3	3809.1	3027.3	1899.6	1269.5	985.3	808.9	696.1	643.1	632.6
47.5°	3392.3	3750.5	4191.3	3079.7	1731.9	1137.5	858.2	692.4	579.6	519.8	514.8
50°	3929.3	4409.6	4601.4	3070.4	1544.5	980.9	715.2	553.7	459.3	416.2	409.4
52.5°	4583.5	5237.0	5044.7	2959.5	1345.3	802.8	557.4	434.7	364.4	333.6	328.0
55°	5404.1	6227.8	5511.4	2721.5	1093.8	614.7	437.8	342.8	294.7	276.2	273.8
57.5°	6420.2	7510.9	5960.9	2320.7	822.5	469.2	337.3	283.0	260.2	249.1	248.5
60°	7761.2	8872.8	6351.1	1803.4	588.8	358.8	278.7	252.8	234.9	227.5	226.9
62.5°	9355.6	10109.7	6594.1	1228.2	442.7	286.1	245.4	229.4	218.9	214.6	213.9
65°	10994.4	10891.4	6478.1	804.6	336.0	242.9	220.1	211.5	202.2	197.9	197.9
67.5°	11962.4	10726.2	5588.5	558.6	266.4	213.3	198.5	190.5	175.1	171.4	171.4
70°	10595.5	8691.6	3663.0	408.8	215.8	186.8	172.6	161.5	155.4	151.7	151.1
72.5°	7007.8	5655.7	1947.7	283.6	180.0	159.1	146.1	141.8	134.4	130.7	130.1
75°	3487.9	2970.6	998.2	204.7	149.8	127.6	122.1	120.2	114.1	109.1	107.9
77.5°	1453.8	1322.5	465.5	148.6	114.1	103.0	98.0	98.0	91.3	85.7	83.2
80°	548.1	488.3	220.1	101.7	84.5	76.5	73.4	70.9	65.4	58.6	54.9
82.5°	733.1	479.1	107.9	63.5	55.5	49.3	45.0	43.2	40.1	37.0	34.5
85°	474.7	340.3	48.7	32.7	27.7	21.0	18.5	17.3	15.4	13.6	12.3
87.5°	96.8	114.1	14.8	6.2	3.7	1.8	1.8	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)