

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: P630292

Luminaire Tested: GWS-SA1D-735-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630292  
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-SA1D-735-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

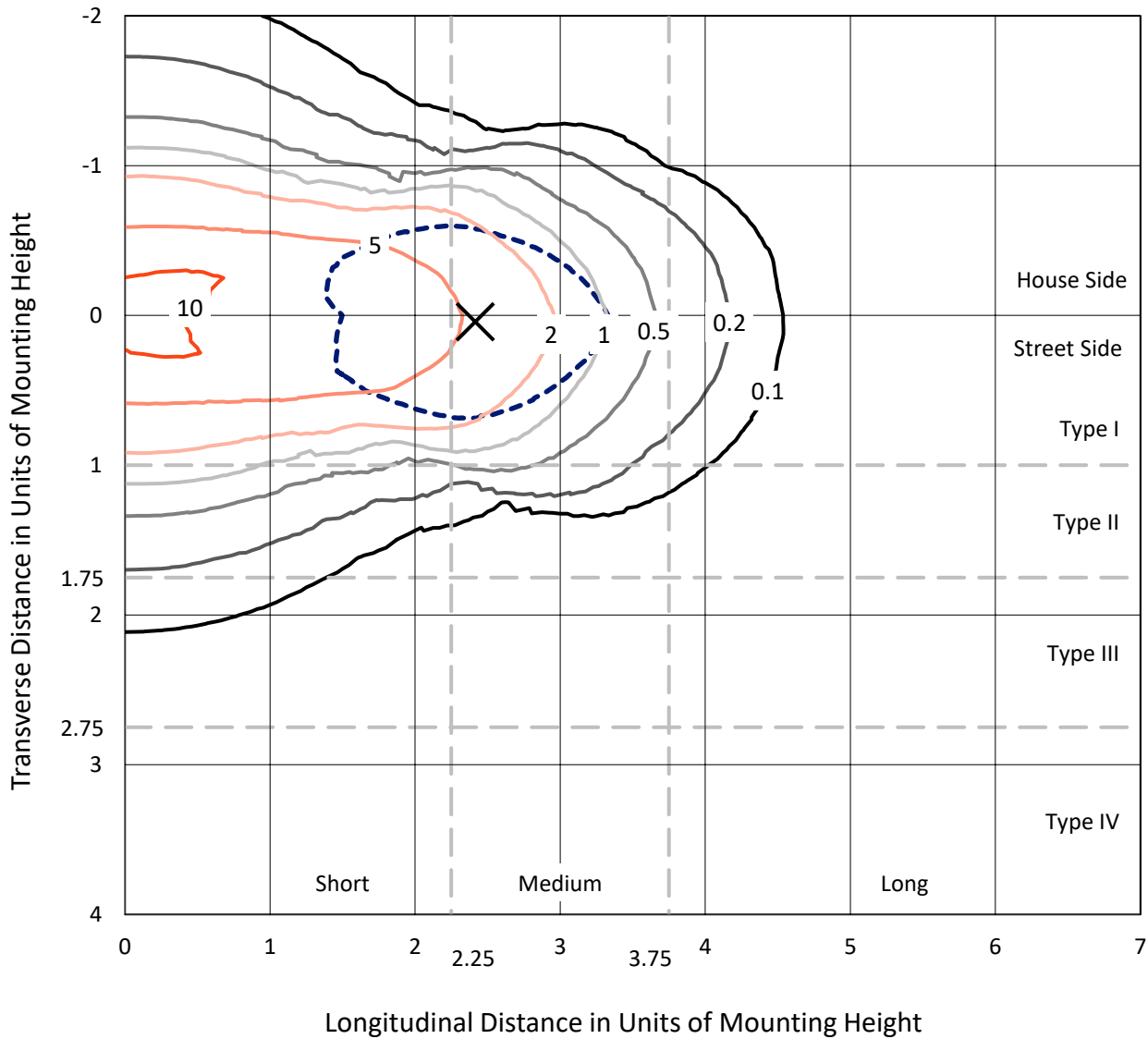
Lumens per Lamp: N/A  
Luminaire Lumens: 5969.7 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

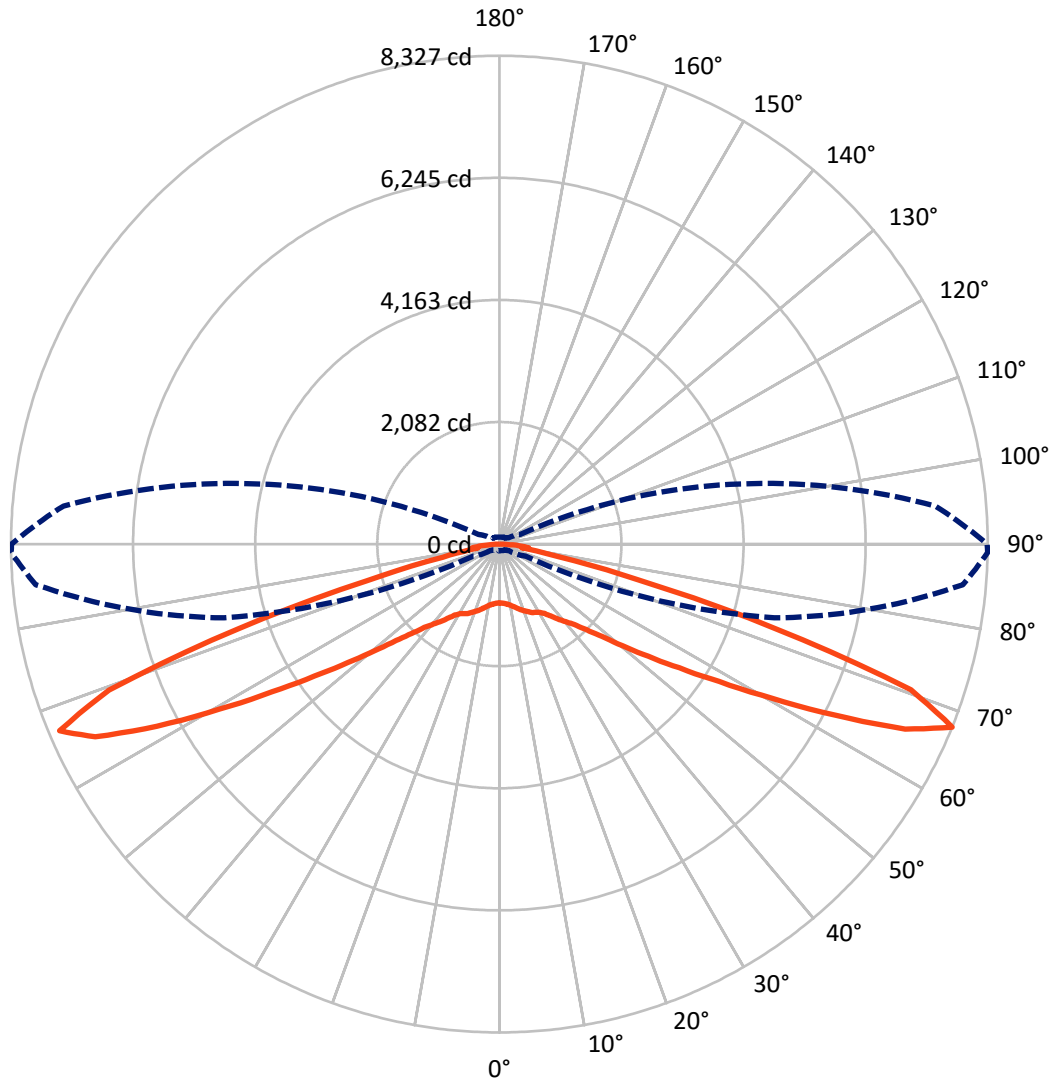
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 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	2958.7	0.0	2958.7
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	3011.0	0.0	3011.0
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	5969.7	0.0	5969.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.5	1.7
10°-20°	327.3	5.5
20°-30°	553.2	9.3
30°-40°	759.2	12.7
40°-50°	968.2	16.2
50°-60°	1214.7	20.3
60°-70°	1465.1	24.5
70°-80°	530.0	8.9
80°-90°	51.5	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°	5969.7	100.0
0°-180°	5969.7	100.0

**Coefficient of Utilization**



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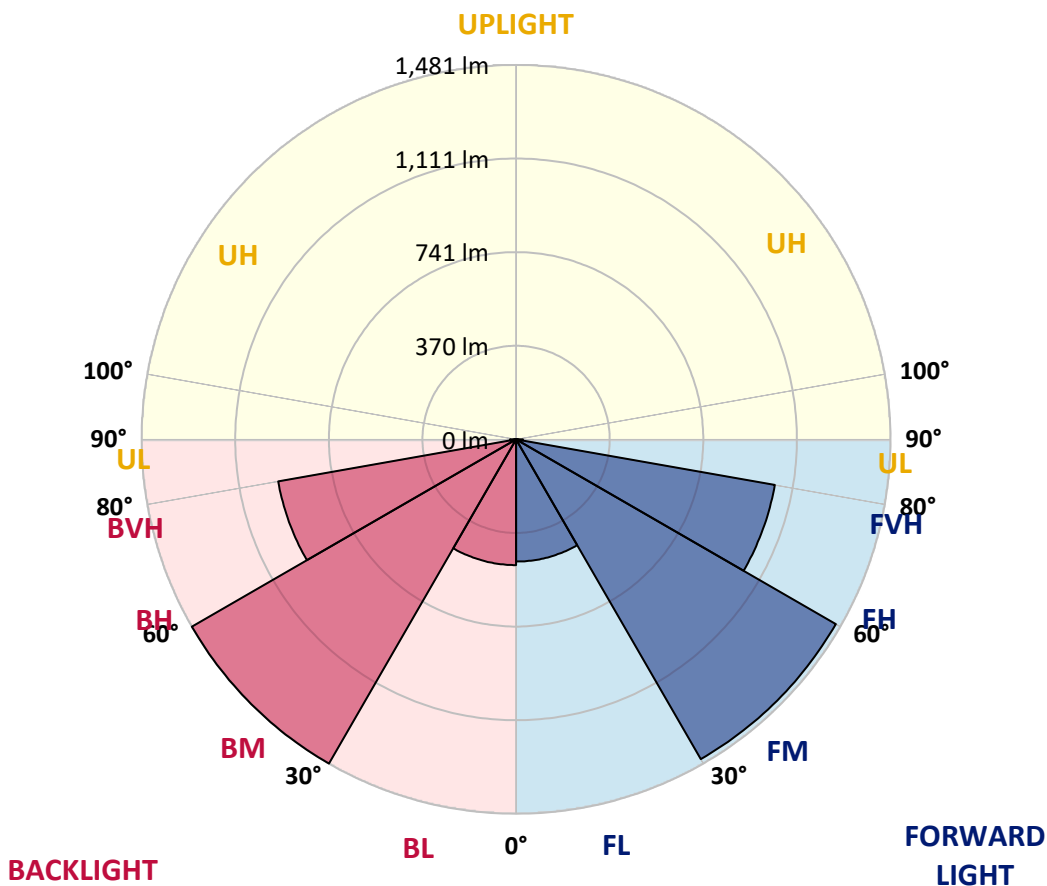
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.5	8.1			
FM (30°-60°)	1460.9	24.5			
FH (60°-80°)	1039.4	17.4			G1/1800
FVH (80°-90°)	27.2	0.5			G1/100
BL (0°-30°)	497.5	8.3	B1/500		
BM (30°-60°)	1481.2	24.8	B2/2500		
BH (60°-80°)	955.7	16.0	B2/1000		G2/1000
BVH (80°-90°)	24.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1005.0	1004.1	1002.0	1008.4	1007.1	1007.5	1010.1	1008.4	1005.4	1000.3	1007.5
5°	1033.3	1032.8	1028.1	1032.0	1027.7	1024.7	1024.3	1020.0	1016.5	1011.0	1018.7
7.5°	1060.7	1060.3	1056.4	1063.3	1059.8	1056.4	1052.6	1044.0	1035.8	1027.7	1036.3
10°	1081.7	1081.3	1080.4	1090.3	1091.1	1092.4	1090.7	1076.1	1062.0	1052.1	1060.7
12.5°	1093.7	1095.0	1097.1	1115.2	1124.2	1132.7	1134.9	1122.9	1099.3	1085.1	1095.4
15°	1085.6	1088.1	1098.9	1131.4	1156.3	1175.6	1183.8	1173.9	1143.5	1119.9	1131.4
17.5°	1046.6	1048.7	1069.7	1119.4	1174.3	1218.9	1232.2	1226.2	1192.3	1163.6	1174.7
20°	992.5	997.2	1020.0	1089.4	1171.3	1248.9	1284.5	1282.4	1245.5	1201.3	1214.6
22.5°	943.7	949.2	973.2	1050.0	1151.2	1256.6	1337.2	1342.8	1293.9	1239.1	1249.8
25°	888.8	893.9	924.8	1003.3	1116.4	1250.6	1382.3	1407.6	1348.8	1282.4	1292.2
27.5°	832.6	836.5	866.9	950.5	1071.0	1239.5	1417.8	1478.7	1402.8	1312.4	1319.2
30°	783.3	788.5	816.3	897.8	1021.3	1217.2	1447.0	1554.6	1465.0	1346.2	1351.8
32.5°	735.7	740.0	770.4	845.9	968.5	1182.9	1473.2	1643.8	1557.2	1409.3	1409.3
35°	675.7	683.4	717.7	796.2	918.8	1137.4	1492.0	1747.5	1683.2	1502.3	1502.7
37.5°	620.4	624.7	660.7	740.0	866.5	1086.0	1493.7	1855.2	1842.7	1620.6	1621.5
40°	557.4	562.9	601.5	680.0	806.5	1032.0	1477.4	1955.5	2009.9	1742.4	1737.7
42.5°	493.5	501.6	538.5	615.2	741.7	966.0	1434.1	2051.1	2222.2	1883.5	1871.9
45°	431.7	436.9	473.8	546.2	667.5	887.1	1364.7	2142.8	2474.3	2097.8	2081.1
47.5°	362.3	364.4	402.6	472.0	590.8	799.2	1265.2	2224.7	2751.2	2381.7	2352.9
50°	300.5	303.5	333.6	393.2	496.9	695.0	1141.3	2272.8	3104.1	2768.8	2719.1
52.5°	243.1	246.1	270.1	317.7	410.7	576.2	987.8	2261.6	3462.1	3249.4	3177.0
55°	196.4	198.5	214.8	252.1	323.3	458.3	806.5	2161.7	3859.5	3877.1	3721.0
57.5°	165.9	166.8	177.9	200.7	252.5	353.3	622.5	1925.9	4276.3	4678.0	4421.6
60°	148.3	148.8	153.9	168.1	199.4	269.7	456.2	1550.3	4708.0	5680.0	5328.4
62.5°	137.2	137.2	141.5	149.6	165.5	207.5	335.3	1113.4	5018.0	6770.2	6420.8
65°	126.5	126.5	129.5	136.3	144.9	169.4	251.7	718.1	5170.2	7681.7	7604.1
67.5°	112.8	113.2	115.3	122.6	130.3	141.5	190.8	485.8	4854.2	7933.8	8326.6
70°	99.9	100.3	103.3	108.0	114.5	122.2	149.2	334.8	3533.2	6607.7	7445.1
72.5°	85.7	87.5	89.6	94.8	98.6	104.2	121.8	216.9	2055.8	4250.5	4921.5
75°	70.3	72.5	75.0	80.2	82.7	84.9	100.3	154.8	989.1	2154.0	2452.8
77.5°	54.5	56.6	59.6	64.3	66.0	68.6	76.7	111.9	473.8	954.8	1029.4
80°	36.4	37.3	39.9	45.4	48.4	50.2	56.6	76.3	205.8	383.3	379.9
82.5°	22.3	22.7	23.6	27.0	28.3	30.0	36.9	46.7	98.2	435.6	499.5
85°	8.1	7.7	7.3	9.4	11.1	12.9	17.1	23.6	42.9	299.3	334.8
87.5°	0.0	0.0	0.0	0.4	0.9	0.9	1.7	3.4	10.3	111.9	76.7
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°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1005.4	1000.7	1006.7	1011.0	1020.4	1023.8	1024.7	1021.7	1021.7	1016.5	1017.4
5°	1017.0	1014.0	1023.8	1031.1	1044.8	1050.0	1053.4	1051.3	1052.6	1049.1	1050.0
7.5°	1034.6	1032.0	1049.1	1063.3	1077.4	1083.4	1086.4	1084.7	1085.1	1080.9	1082.1
10°	1059.0	1059.8	1080.4	1098.9	1117.7	1123.7	1125.0	1119.9	1115.6	1107.9	1108.3
12.5°	1092.4	1096.7	1125.9	1146.5	1165.7	1174.3	1164.9	1146.0	1128.4	1115.2	1113.4
15°	1128.9	1136.6	1178.6	1204.8	1225.8	1221.5	1193.6	1151.2	1116.4	1096.7	1092.9
17.5°	1172.6	1184.2	1236.9	1268.2	1286.2	1258.8	1200.5	1137.0	1088.6	1062.0	1056.8
20°	1213.8	1232.2	1298.7	1339.4	1341.5	1279.8	1197.5	1108.3	1047.4	1014.8	1008.0
22.5°	1251.5	1275.1	1363.4	1415.3	1387.4	1289.2	1179.0	1067.6	997.7	959.5	953.5
25°	1292.7	1326.1	1438.9	1487.3	1433.3	1285.4	1140.4	1017.0	937.7	898.6	894.4
27.5°	1320.9	1363.0	1514.7	1561.0	1471.0	1263.5	1090.7	961.7	882.8	845.9	839.9
30°	1353.5	1407.1	1598.3	1641.2	1494.2	1231.3	1037.6	910.2	831.8	791.9	787.6
32.5°	1412.7	1480.0	1702.1	1726.1	1501.4	1191.5	986.5	860.5	778.6	738.7	732.7
35°	1507.9	1586.8	1847.9	1820.9	1495.9	1147.7	938.1	802.2	724.1	686.8	680.8
37.5°	1627.9	1726.1	2010.4	1906.2	1480.4	1099.7	880.6	753.3	675.3	637.5	634.1
40°	1739.8	1860.7	2192.6	1979.9	1449.1	1040.6	825.3	702.3	622.5	582.7	574.9
42.5°	1880.0	2040.8	2403.5	2043.8	1397.7	969.8	763.2	639.3	556.5	520.5	511.1
45°	2093.1	2292.9	2648.8	2105.1	1320.9	882.8	685.1	562.5	484.0	447.2	439.9
47.5°	2358.9	2608.0	2914.6	2141.6	1204.3	791.0	596.8	481.5	403.0	361.4	358.0
50°	2732.4	3066.4	3199.7	2135.1	1074.0	682.1	497.3	385.0	319.4	289.4	284.7
52.5°	3187.3	3641.7	3508.0	2058.0	935.5	558.2	387.6	302.3	253.4	231.9	228.1
55°	3757.9	4330.7	3832.5	1892.5	760.6	427.5	304.4	238.4	204.9	192.1	190.4
57.5°	4464.5	5222.9	4145.1	1613.8	571.9	326.3	234.5	196.8	180.9	173.2	172.8
60°	5397.0	6170.0	4416.5	1254.1	409.4	249.5	193.8	175.8	163.4	158.2	157.8
62.5°	6505.7	7030.1	4585.4	854.1	307.8	198.9	170.6	159.5	152.2	149.2	148.8
65°	7645.3	7573.7	4504.8	559.5	233.7	168.9	153.1	147.1	140.6	137.6	137.6
67.5°	8318.4	7458.8	3886.1	388.4	185.2	148.3	138.1	132.5	121.8	119.2	119.2
70°	7367.9	6044.0	2547.1	284.3	150.1	129.9	120.0	112.3	108.0	105.5	105.0
72.5°	4873.1	3932.8	1354.4	197.2	125.2	110.6	101.6	98.6	93.5	90.9	90.5
75°	2425.4	2065.7	694.1	142.3	104.2	88.7	84.9	83.6	79.3	75.9	75.0
77.5°	1011.0	919.6	323.7	103.3	79.3	71.6	68.2	68.2	63.5	59.6	57.9
80°	381.2	339.6	153.1	70.7	58.7	53.2	51.0	49.3	45.4	40.7	38.2
82.5°	509.8	333.1	75.0	44.2	38.6	34.3	31.3	30.0	27.9	25.7	24.0
85°	330.1	236.7	33.9	22.7	19.3	14.6	12.9	12.0	10.7	9.4	8.6
87.5°	67.3	79.3	10.3	4.3	2.6	1.3	1.3	0.4	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)