

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: P634099

Luminaire Tested: GWS-SA3B-722-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634099  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-722-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

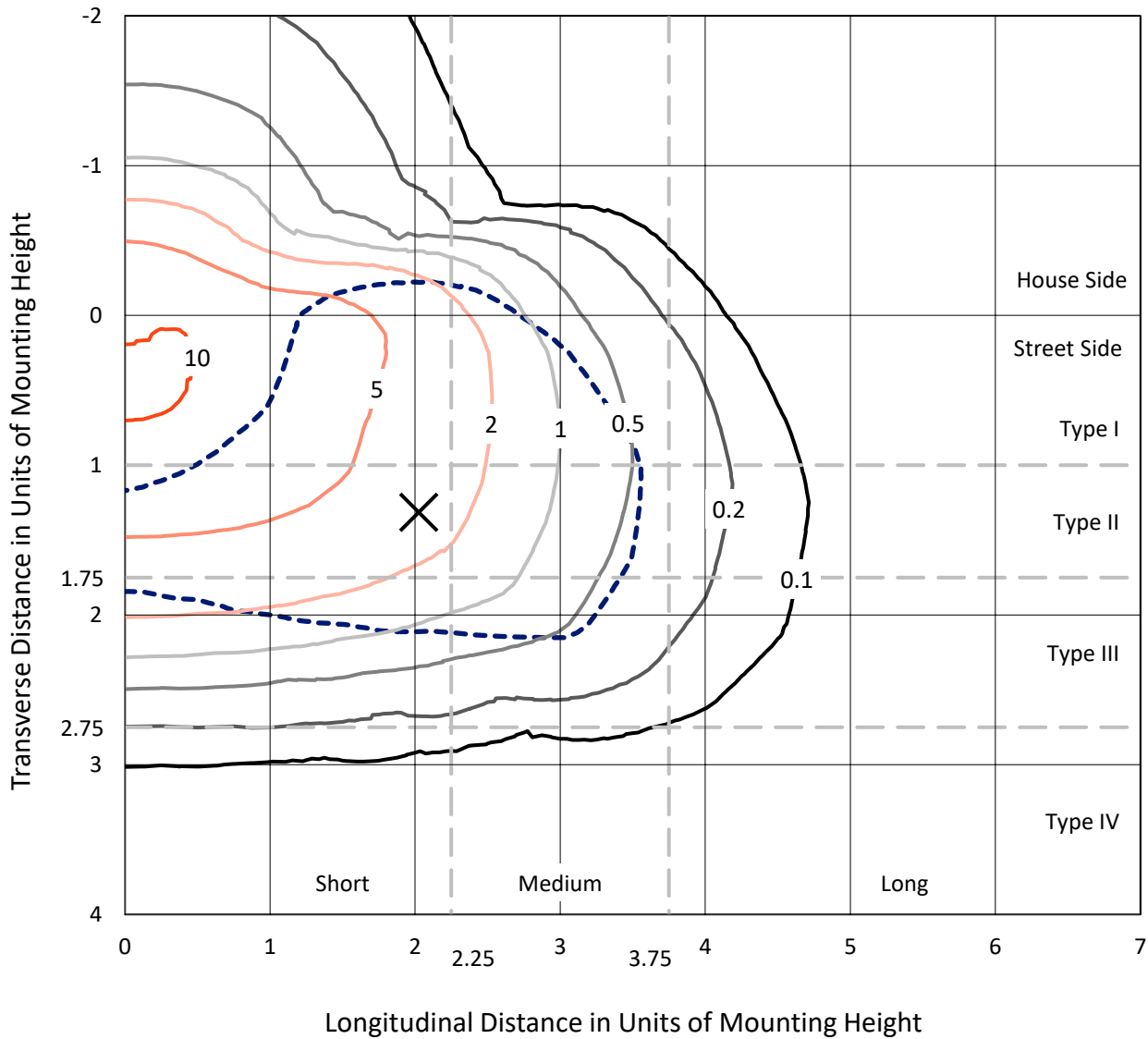
Lumens per Lamp: N/A  
Luminaire Lumens: 7666.9 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

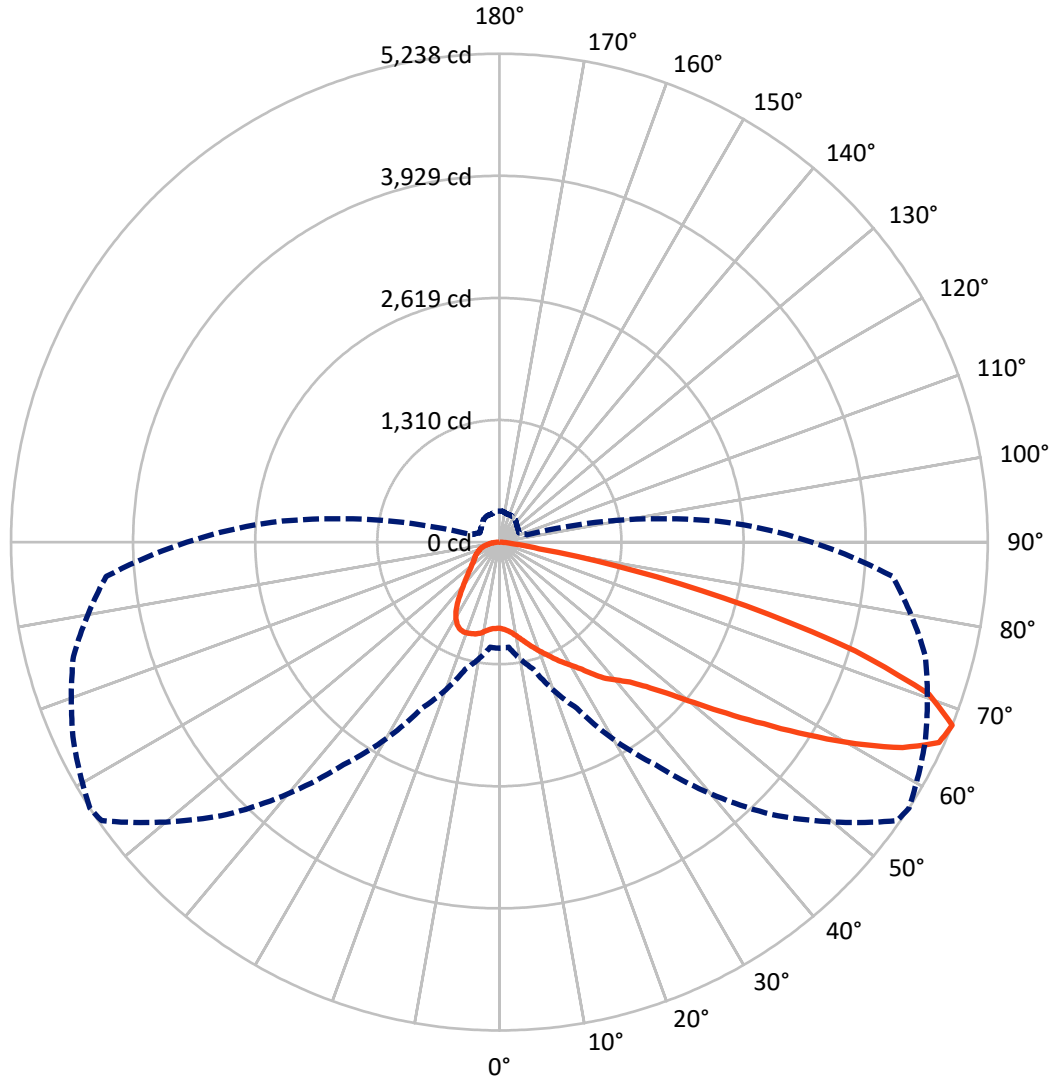
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1685.7	0.0	1685.7
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	5981.2	0.0	5981.2
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	7666.9	0.0	7666.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.6	1.2
10°-20°	303.3	4.0
20°-30°	540.8	7.1
30°-40°	786.2	10.3
40°-50°	1137.9	14.8
50°-60°	1780.8	23.2
60°-70°	2077.4	27.1
70°-80°	867.2	11.3
80°-90°	81.8	1.1
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°	7666.9	100.0
0°-180°	7666.9	100.0

**Coefficient of Utilization**



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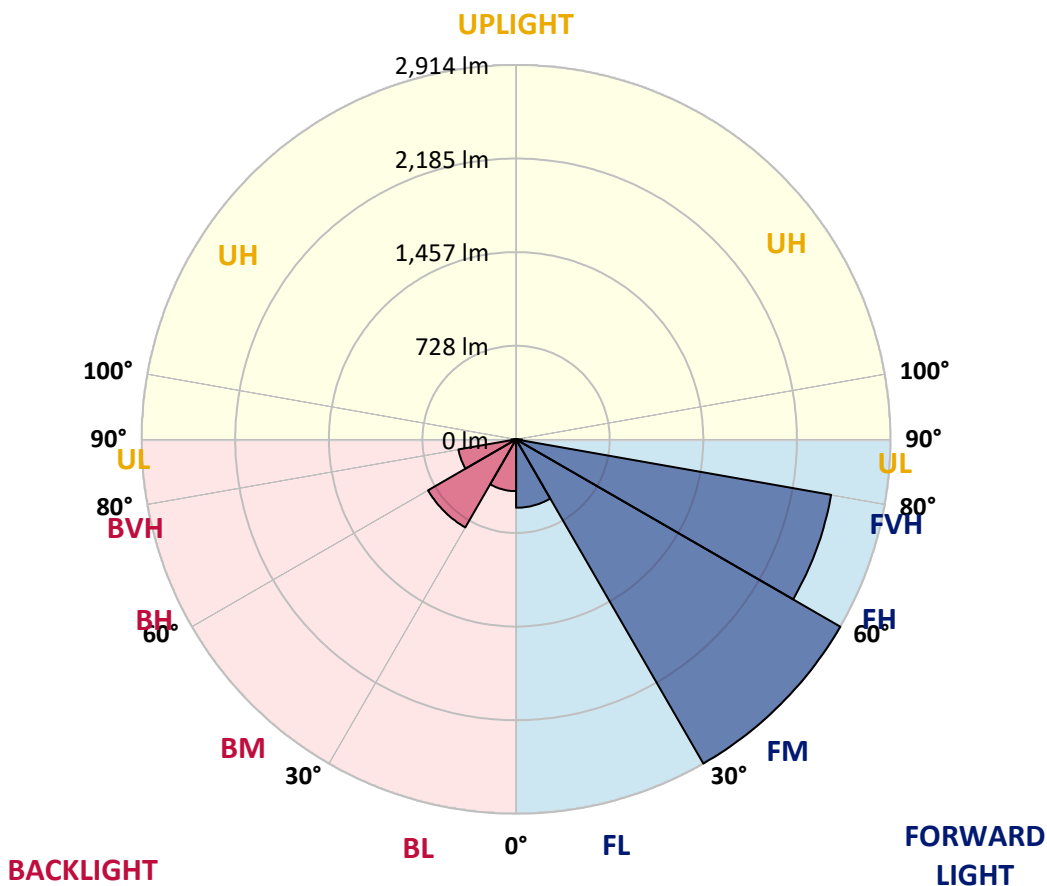
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.5	6.9			
FM (30°-60°)	2913.5	38.0			
FH (60°-80°)	2489.6	32.5			G2/5000
FVH (80°-90°)	45.6	0.6			G1/100
BL (0°-30°)	403.2	5.3	B1/500		
BM (30°-60°)	791.3	10.3	B1/1000		
BH (60°-80°)	455.0	5.9	B1/500		G1/500
BVH (80°-90°)	36.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8
2.5°	937.0	935.9	935.3	938.6	937.5	937.0	937.0	936.4	935.3	930.9	924.9
5°	962.8	960.6	958.4	961.2	959.0	956.8	956.2	955.1	951.3	944.7	935.3
7.5°	989.7	987.5	988.1	989.7	988.1	987.0	985.3	984.2	978.2	967.7	955.1
10°	1027.6	1027.6	1028.7	1030.4	1030.9	1029.3	1026.0	1024.3	1017.2	1004.0	986.4
12.5°	1082.5	1081.4	1081.4	1080.3	1082.0	1080.3	1077.0	1074.3	1065.5	1048.5	1023.2
15°	1155.0	1150.6	1146.8	1139.7	1137.5	1131.4	1132.5	1130.9	1122.6	1099.6	1067.7
17.5°	1232.5	1231.9	1225.9	1211.6	1197.3	1187.4	1189.6	1189.1	1184.7	1153.4	1112.7
20°	1300.6	1303.3	1297.8	1286.9	1267.6	1249.0	1247.9	1250.6	1245.1	1213.8	1157.2
22.5°	1376.9	1374.7	1369.2	1355.0	1340.7	1320.9	1314.3	1312.1	1309.9	1274.2	1202.8
25°	1449.4	1456.0	1448.9	1435.7	1413.7	1392.3	1386.8	1389.0	1383.0	1335.7	1251.7
27.5°	1541.1	1543.9	1539.5	1521.4	1502.7	1472.5	1462.1	1462.1	1459.9	1393.4	1290.1
30°	1638.9	1646.6	1638.9	1624.1	1604.9	1561.5	1538.9	1536.8	1530.2	1452.7	1335.2
32.5°	1737.2	1742.7	1737.2	1722.9	1701.0	1663.1	1630.7	1625.7	1616.9	1517.5	1381.3
35°	1824.6	1829.5	1828.4	1831.7	1813.6	1765.8	1746.0	1743.8	1720.7	1602.1	1443.9
37.5°	1920.1	1926.2	1917.9	1924.5	1917.4	1872.3	1866.3	1855.3	1822.4	1681.8	1509.8
40°	2028.9	2034.4	2021.2	2023.9	2015.7	1990.4	1959.7	1944.8	1896.0	1768.0	1613.6
42.5°	2145.3	2157.9	2164.0	2159.0	2139.8	2125.5	2071.7	2053.0	2012.4	1923.4	1784.5
45°	2313.9	2332.6	2341.4	2328.7	2320.5	2300.2	2234.3	2211.8	2190.3	2142.6	2022.8
47.5°	2495.7	2512.7	2540.8	2546.2	2552.8	2537.5	2444.6	2422.7	2426.5	2421.0	2316.1
50°	2640.7	2655.0	2718.2	2785.7	2841.7	2846.1	2727.5	2703.9	2724.7	2742.3	2669.3
52.5°	2746.2	2758.8	2842.3	2981.8	3108.7	3202.6	3074.6	3047.7	3064.7	3104.3	3070.8
55°	2831.8	2849.4	2936.7	3150.9	3407.4	3555.7	3473.9	3439.8	3432.7	3481.6	3500.8
57.5°	2876.9	2882.4	3004.9	3283.3	3626.6	3902.3	3938.0	3899.6	3831.4	3858.4	3958.3
60°	2774.2	2783.5	2951.0	3317.4	3799.6	4246.1	4425.2	4393.3	4248.3	4263.1	4373.5
62.5°	2490.2	2503.4	2705.0	3155.3	3813.9	4475.7	4875.0	4854.7	4660.2	4580.1	4613.0
65°	1997.6	2002.0	2210.7	2754.4	3529.9	4504.3	5188.6	5183.7	4948.0	4760.2	4619.0
67.5°	1139.1	1131.4	1410.4	1964.6	2913.1	4133.0	5208.9	5238.0	5041.4	4730.5	4234.6
70°	493.8	494.9	623.4	969.4	1885.5	3340.4	4838.2	4888.2	4771.2	4236.8	3369.0
72.5°	228.5	231.8	287.2	419.6	805.2	2072.3	3945.1	3990.2	3889.7	3391.0	2451.2
75°	161.5	164.2	191.7	240.6	370.2	807.4	2639.1	2733.5	2782.4	2536.4	1615.3
77.5°	122.5	126.3	140.1	167.0	228.5	286.2	1262.7	1487.9	1772.4	1577.9	832.1
80°	78.0	78.0	92.8	111.5	139.5	148.8	364.7	432.2	867.2	650.3	326.8
82.5°	52.7	54.4	63.2	70.9	80.2	84.6	156.5	167.0	250.5	221.3	134.6
85°	28.0	29.1	33.0	32.4	38.4	33.5	65.9	65.4	91.7	100.5	51.1
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	7.1	7.7	19.2	30.8	17.0
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°	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8
2.5°	928.2	921.6	924.9	923.8	927.1	927.1	921.1	919.4	920.0	913.4	911.2
5°	936.4	928.8	930.4	928.2	931.5	934.2	931.5	931.5	934.8	929.9	927.1
7.5°	955.1	946.3	946.3	943.6	947.4	949.6	947.4	950.7	956.8	951.8	949.1
10°	984.8	974.3	974.9	971.6	973.2	972.1	963.4	960.6	962.3	957.9	955.7
12.5°	1023.2	1008.9	1008.9	1002.3	998.5	987.0	968.8	962.3	963.4	959.5	957.9
15°	1060.0	1046.8	1044.1	1030.9	1013.3	991.9	975.4	971.0	972.1	968.3	965.6
17.5°	1103.4	1086.4	1076.5	1052.3	1019.9	998.0	981.5	971.0	962.3	953.5	951.3
20°	1143.5	1122.1	1104.0	1066.6	1027.1	996.9	966.1	940.3	918.9	907.3	904.6
22.5°	1184.7	1157.2	1125.4	1076.5	1026.5	977.1	920.5	881.5	849.7	832.6	835.9
25°	1223.7	1189.1	1145.7	1085.8	1008.9	933.1	856.3	798.0	761.8	748.6	744.8
27.5°	1256.1	1213.3	1164.4	1081.4	972.7	870.0	768.4	703.6	668.4	653.6	649.7
30°	1292.3	1244.0	1191.3	1061.1	915.6	781.6	669.0	616.2	591.0	576.7	577.2
32.5°	1334.1	1283.6	1229.2	1022.1	842.5	686.0	587.1	550.9	530.6	516.3	514.1
35°	1390.1	1340.1	1254.4	963.4	749.7	598.1	531.1	501.4	476.2	457.5	453.7
37.5°	1459.3	1425.3	1257.2	884.8	650.3	537.7	491.0	459.2	428.4	403.7	400.9
40°	1577.9	1538.9	1234.7	786.5	565.7	498.7	457.5	420.7	385.0	357.6	353.7
42.5°	1747.1	1666.9	1186.3	675.6	502.0	467.9	425.7	379.0	342.7	323.5	320.8
45°	1962.4	1809.7	1113.8	571.2	454.8	437.7	392.2	343.3	324.0	310.3	307.6
47.5°	2226.0	1976.1	1030.4	489.9	418.0	410.3	358.1	331.2	314.2	302.6	299.9
50°	2541.3	2188.1	961.7	426.2	385.0	378.4	347.1	324.0	310.3	301.0	298.8
52.5°	2901.0	2423.8	928.2	380.6	356.5	349.9	343.3	322.4	310.9	303.7	301.0
55°	3274.5	2672.0	896.9	345.5	332.3	336.1	343.8	327.9	319.1	309.8	307.0
57.5°	3635.4	2904.9	820.0	318.0	314.7	329.5	346.6	333.4	322.9	313.6	310.3
60°	3884.2	3032.3	689.8	296.0	301.5	321.3	339.4	325.1	312.0	308.1	306.5
62.5°	3951.2	3016.9	535.5	273.5	285.6	303.2	320.8	311.4	297.7	303.7	304.3
65°	3794.6	2852.2	402.0	251.5	264.7	279.6	301.5	297.7	292.7	309.2	309.8
67.5°	3351.4	2447.4	306.5	232.3	243.3	261.4	295.5	311.4	312.5	333.4	331.2
70°	2535.8	1828.4	240.0	214.2	226.8	261.4	314.7	321.9	308.7	327.9	323.5
72.5°	1753.2	1206.7	204.3	198.3	206.5	249.4	314.2	314.2	299.9	299.9	291.6
75°	1089.1	709.6	178.0	178.0	178.0	218.0	305.4	289.4	264.2	252.6	246.1
77.5°	537.7	344.9	149.4	154.9	148.8	182.3	249.4	236.7	221.3	209.3	204.9
80°	229.6	172.5	120.8	126.9	119.7	137.3	197.7	195.0	180.1	164.2	159.3
82.5°	105.5	89.0	96.7	99.4	87.3	103.3	144.4	144.4	136.2	114.2	106.0
85°	45.0	47.2	67.0	67.0	54.9	58.2	77.4	73.6	65.9	53.8	49.4
87.5°	15.4	23.1	34.1	29.7	11.5	4.9	2.7	1.1	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)