

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: P630936

Luminaire Tested: GWS-SA1E-760-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630936  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-760-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

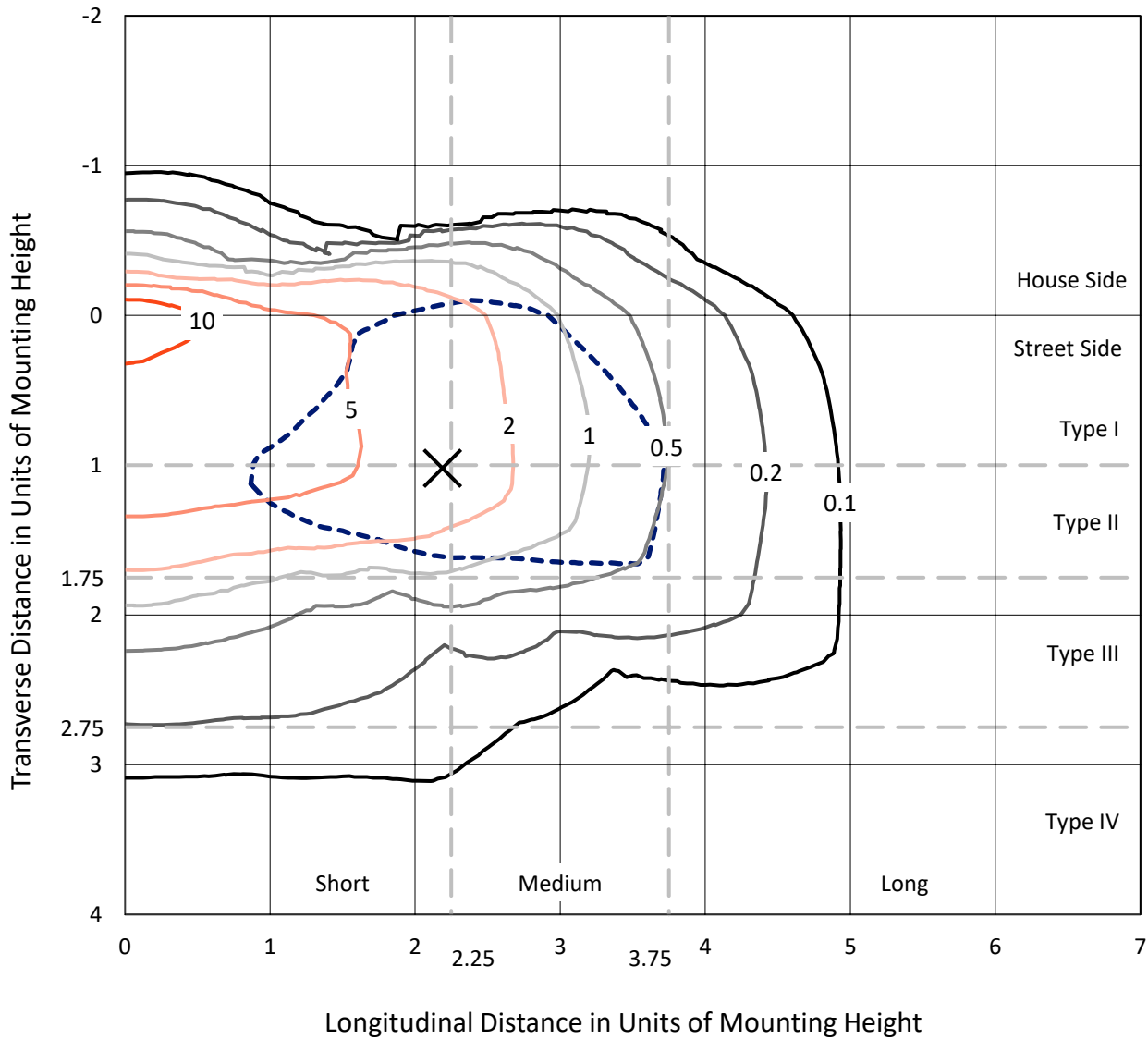
Lumens per Lamp: N/A  
Luminaire Lumens: 6060.3 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

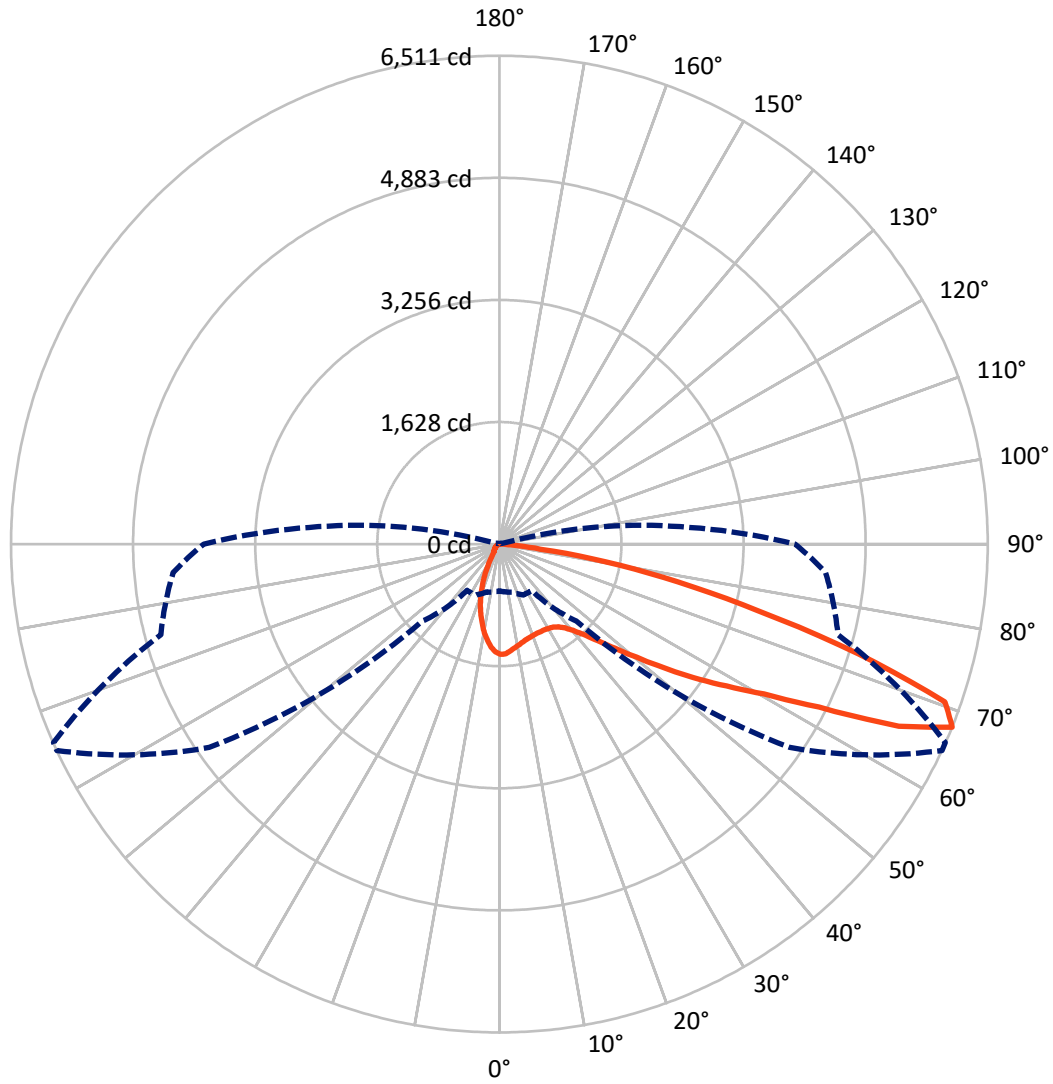
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	756.7	0.0	756.7
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	5303.5	0.0	5303.5
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	6060.3	0.0	6060.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.1	2.0
10°-20°	274.4	4.5
20°-30°	392.1	6.5
30°-40°	570.5	9.4
40°-50°	893.5	14.7
50°-60°	1393.9	23.0
60°-70°	1531.1	25.3
70°-80°	814.8	13.4
80°-90°	67.8	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°	6060.3	100.0
0°-180°	6060.3	100.0

**Coefficient of Utilization**



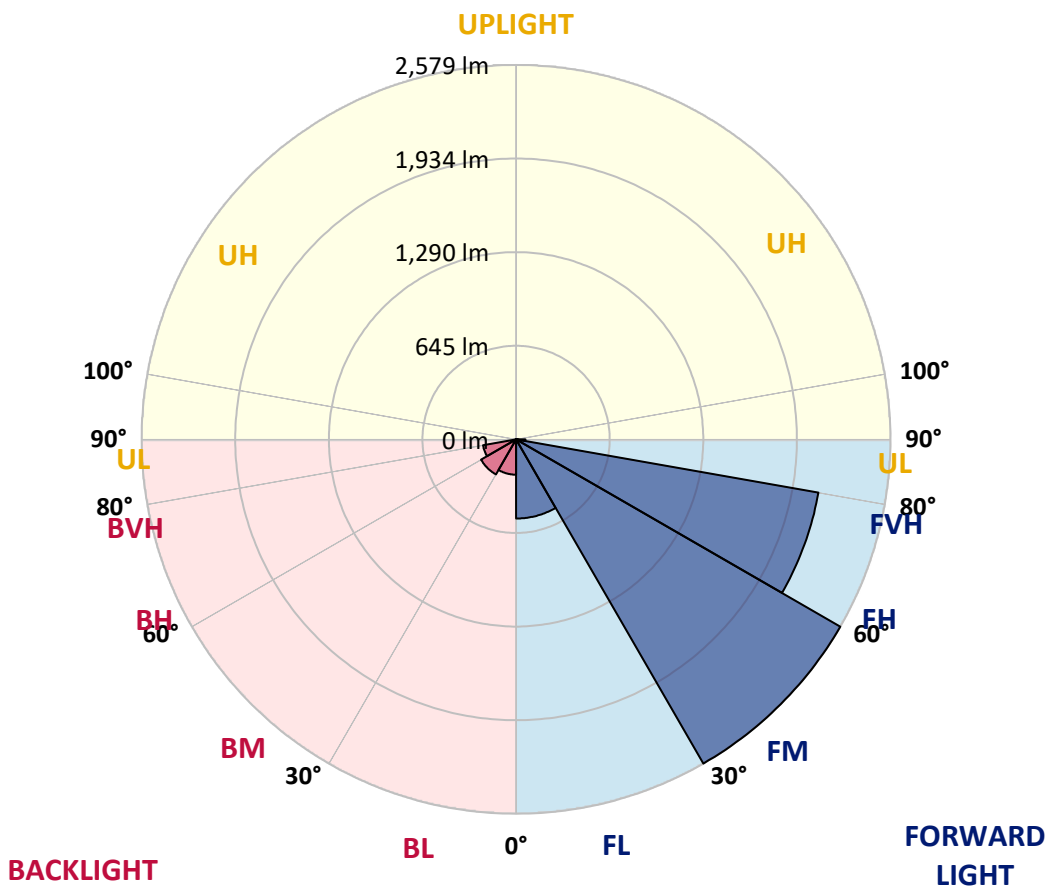
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	545.4	9.0			
FM (30°-60°)	2579.1	42.6			
FH (60°-80°)	2114.8	34.9			G2/5000
FVH (80°-90°)	64.2	1.1			G1/100
BL (0°-30°)	243.2	4.0	B1/500		
BM (30°-60°)	278.7	4.6	B1/1000		
BH (60°-80°)	231.1	3.8	B1/500		G1/500
BVH (80°-90°)	3.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8
2.5°	1418.8	1423.2	1417.2	1432.0	1434.7	1451.2	1460.5	1467.1	1466.5	1474.7	1474.7
5°	1335.5	1339.9	1336.6	1352.5	1365.1	1390.9	1412.3	1436.9	1438.0	1463.2	1472.6
7.5°	1264.9	1265.4	1265.4	1285.1	1301.6	1333.4	1365.1	1403.0	1407.3	1446.2	1470.9
10°	1206.8	1208.4	1209.0	1231.4	1249.5	1287.9	1328.4	1373.9	1378.8	1431.5	1469.8
12.5°	1166.8	1167.3	1169.5	1193.1	1212.8	1252.8	1293.9	1346.0	1352.5	1414.5	1464.9
15°	1147.6	1146.5	1147.6	1167.3	1187.0	1225.4	1267.6	1323.5	1330.6	1400.2	1465.4
17.5°	1146.5	1144.8	1143.7	1158.5	1171.1	1205.1	1247.9	1308.7	1316.4	1393.6	1471.5
20°	1162.4	1161.3	1155.8	1162.4	1165.1	1193.1	1235.3	1297.2	1304.9	1392.5	1484.6
22.5°	1204.0	1201.3	1193.1	1187.0	1172.2	1188.7	1226.5	1289.0	1297.7	1395.3	1501.6
25°	1265.9	1264.9	1254.4	1239.6	1201.8	1195.3	1227.0	1289.0	1297.2	1398.6	1519.7
27.5°	1359.1	1352.5	1339.4	1313.6	1259.4	1221.0	1238.0	1292.3	1300.5	1403.0	1534.5
30°	1453.9	1453.4	1449.0	1422.7	1342.1	1270.3	1261.0	1301.0	1308.7	1406.8	1548.2
32.5°	1552.0	1553.7	1564.6	1544.3	1456.1	1343.8	1302.7	1319.1	1324.6	1414.5	1560.2
35°	1645.2	1648.5	1677.5	1684.6	1594.8	1455.0	1370.6	1355.3	1355.8	1431.5	1576.1
37.5°	1734.5	1745.5	1792.1	1826.6	1767.4	1589.8	1468.7	1416.7	1412.3	1465.4	1600.2
40°	1835.9	1856.7	1915.4	1974.0	1955.4	1767.9	1602.4	1510.9	1501.6	1527.9	1643.5
42.5°	1948.2	1970.7	2048.5	2130.7	2139.5	1983.3	1769.6	1648.5	1632.6	1633.1	1724.6
45°	2068.8	2099.0	2189.4	2307.7	2360.9	2223.4	1975.6	1834.3	1818.4	1794.8	1855.1
47.5°	2227.2	2253.5	2340.6	2477.1	2579.0	2480.9	2245.8	2073.2	2044.1	2009.6	2057.8
50°	2363.6	2386.7	2461.7	2632.7	2844.8	2813.0	2552.2	2371.9	2343.9	2285.3	2325.3
52.5°	2393.8	2411.9	2480.9	2673.3	3048.1	3232.3	2927.6	2733.0	2713.3	2604.8	2620.1
55°	2258.4	2285.8	2347.8	2561.5	3101.3	3642.2	3414.8	3140.2	3099.1	2925.9	2953.3
57.5°	1916.5	1965.2	2023.3	2301.2	2957.2	3860.3	4095.4	3571.5	3534.2	3235.0	3235.6
60°	1404.6	1444.1	1483.0	1737.3	2615.2	3845.5	4713.0	4056.0	3988.0	3487.7	3478.3
62.5°	1021.5	1041.8	1041.3	1131.7	1795.9	3592.3	5037.5	4785.9	4627.6	3757.8	3704.7
65°	803.4	802.9	826.4	856.0	1002.9	2773.0	5077.5	5851.9	5680.9	4120.1	4009.4
67.5°	625.3	637.4	660.9	748.1	753.5	1451.2	4725.7	6511.1	6507.8	4673.0	4366.1
70°	482.3	498.7	532.1	659.3	696.0	812.2	3535.9	6302.3	6355.5	4920.2	4113.5
72.5°	309.6	308.5	357.9	532.7	668.6	676.8	1955.4	5006.2	5066.5	4456.6	3326.0
75°	173.2	174.3	202.2	326.1	623.1	636.8	968.4	3569.9	3617.5	3474.5	2555.5
77.5°	68.0	70.1	94.8	171.5	411.0	568.9	575.4	2434.3	2441.5	2153.2	1567.4
80°	27.4	29.0	48.2	106.3	250.4	383.1	411.0	1434.2	1405.1	833.6	456.0
82.5°	8.2	8.8	19.2	60.3	131.0	272.4	277.3	550.2	519.5	179.2	116.2
85°	0.5	0.5	4.4	18.6	46.6	68.5	184.7	179.2	158.9	44.9	51.5
87.5°	0.0	0.0	0.5	0.5	1.1	2.2	19.7	32.9	33.4	8.2	23.0
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°	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8	1469.8
2.5°	1474.7	1455.0	1453.4	1438.0	1422.7	1403.5	1381.0	1364.6	1353.1	1332.8	1329.0
5°	1472.6	1446.2	1421.6	1377.7	1329.0	1276.4	1230.3	1187.6	1160.7	1142.6	1135.0
7.5°	1468.2	1434.7	1377.7	1295.0	1213.3	1121.3	1049.5	983.7	938.8	912.5	901.0
10°	1464.9	1419.9	1327.3	1201.8	1075.2	948.1	839.0	741.5	687.2	644.5	637.4
12.5°	1458.3	1398.6	1262.7	1092.8	929.5	760.7	621.5	502.0	419.2	382.0	368.8
15°	1451.7	1376.1	1198.0	977.7	770.5	562.3	393.5	278.4	221.4	203.9	202.8
17.5°	1450.6	1355.8	1127.8	868.6	603.9	368.3	224.1	180.3	168.2	163.9	163.9
20°	1453.9	1338.8	1058.8	743.1	440.1	224.1	167.1	156.2	149.1	145.2	145.2
22.5°	1457.2	1321.3	992.5	616.5	292.1	163.9	147.4	138.1	129.9	125.5	123.3
25°	1459.4	1302.1	919.0	489.4	190.7	142.5	129.3	117.3	107.4	101.9	101.9
27.5°	1458.9	1279.1	845.1	365.0	148.0	126.6	110.7	98.1	88.2	82.2	82.8
30°	1454.5	1253.9	768.3	254.8	129.3	110.7	94.8	81.7	71.8	66.9	66.3
32.5°	1451.2	1227.0	679.6	179.2	116.2	97.0	80.6	68.0	59.7	55.9	55.4
35°	1447.3	1200.7	595.2	136.5	104.7	83.8	68.0	57.5	51.0	47.7	47.7
37.5°	1448.4	1173.3	503.6	117.3	93.2	72.9	58.1	49.3	43.8	40.6	40.0
40°	1465.4	1156.9	413.8	106.3	82.8	63.0	50.4	42.7	37.3	34.0	33.4
42.5°	1507.6	1157.4	327.7	98.1	73.4	53.7	43.8	36.7	31.8	27.9	27.4
45°	1592.0	1180.5	251.5	89.3	63.6	46.6	37.8	31.2	26.3	23.0	22.5
47.5°	1730.1	1249.0	190.7	81.7	55.4	40.6	32.3	26.3	21.9	19.2	18.6
50°	1949.9	1372.8	150.2	72.3	46.6	35.1	27.4	21.9	18.1	15.3	14.8
52.5°	2214.0	1558.6	128.8	64.1	40.0	30.7	23.6	18.1	14.8	12.6	12.1
55°	2517.6	1780.5	118.9	55.9	34.0	26.3	19.2	14.8	12.1	10.4	9.3
57.5°	2796.0	1980.6	118.4	47.7	29.0	22.5	15.9	12.6	10.4	8.2	7.7
60°	3067.3	2147.7	111.2	39.5	25.2	18.6	13.7	10.4	8.8	7.1	6.6
62.5°	3313.4	2283.6	93.2	31.8	21.4	15.3	11.5	9.3	7.7	6.0	6.0
65°	3622.5	2456.8	71.2	25.8	17.5	12.6	9.9	8.2	7.1	5.5	5.5
67.5°	3942.0	2548.3	51.0	21.4	14.2	11.0	8.8	7.7	6.0	4.9	4.9
70°	3570.4	2153.2	36.7	17.5	12.1	9.3	7.7	7.1	6.0	4.9	4.4
72.5°	2788.4	1552.6	27.4	13.7	10.4	8.8	7.1	6.6	5.5	4.4	4.4
75°	2067.7	905.3	20.8	11.0	8.2	7.1	7.1	6.6	5.5	4.4	3.8
77.5°	1124.0	315.7	15.9	8.8	6.6	5.5	6.0	6.0	4.9	3.8	3.3
80°	297.6	86.6	11.0	6.6	5.5	4.4	4.4	5.5	4.4	3.3	3.3
82.5°	86.6	25.2	7.7	5.5	4.4	3.8	3.8	3.8	3.3	2.7	2.2
85°	42.2	9.3	5.5	4.4	3.8	3.3	2.7	2.7	2.2	1.6	1.6
87.5°	18.6	3.8	4.4	3.8	3.8	2.7	2.2	1.6	1.6	1.1	0.5
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)