

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: P634377

Luminaire Tested: GWS-SA3B-750-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634377  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

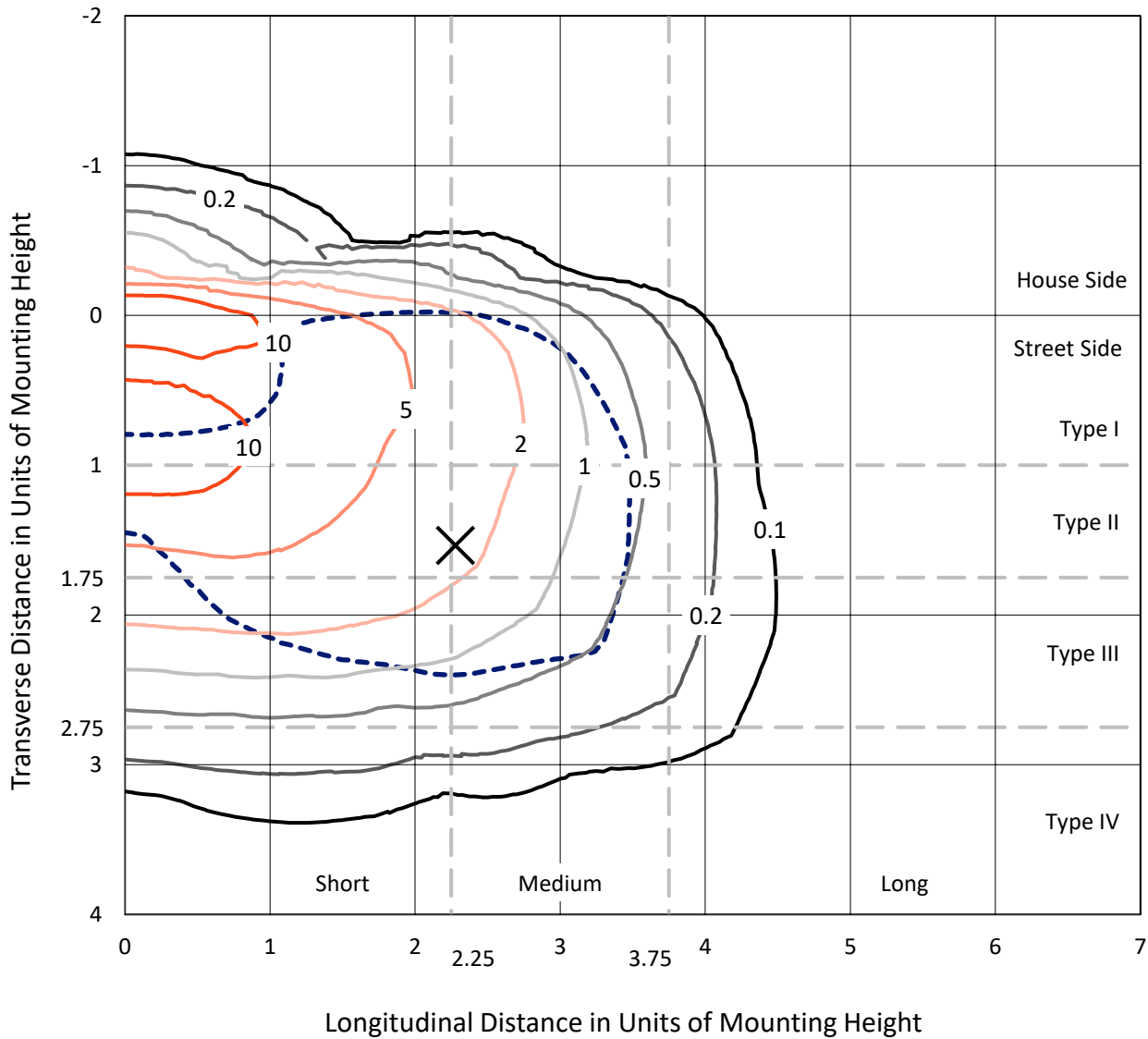
Lumens per Lamp: N/A  
Luminaire Lumens: 8329.1 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P634377  
 CATALOG NUMBER: GWS-SA3B-750-U-T3R-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

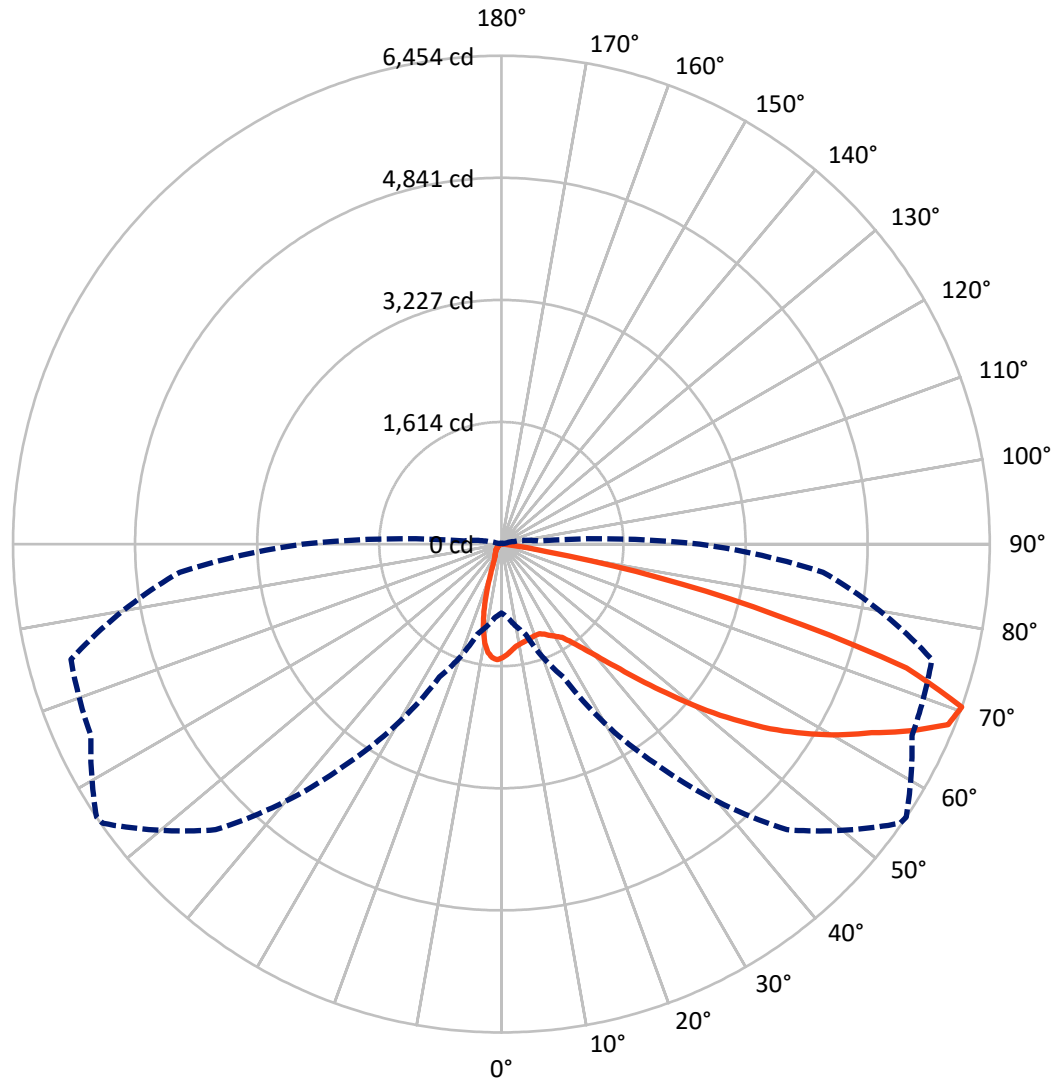
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 fc  
 Type III - Medium - N/A

REPORT NUMBER: P634377  
CATALOG NUMBER: GWS-SA3B-750-U-T3R-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	748.1	0.0	748.1
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	7581.0	0.0	7581.0
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	8329.1	0.0	8329.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.9	1.5
10°-20°	290.0	3.5
20°-30°	459.4	5.5
30°-40°	792.2	9.5
40°-50°	1337.7	16.1
50°-60°	1965.6	23.6
60°-70°	2330.3	28.0
70°-80°	993.7	11.9
80°-90°	31.2	0.4
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°	8329.1	100.0
0°-180°	8329.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634377

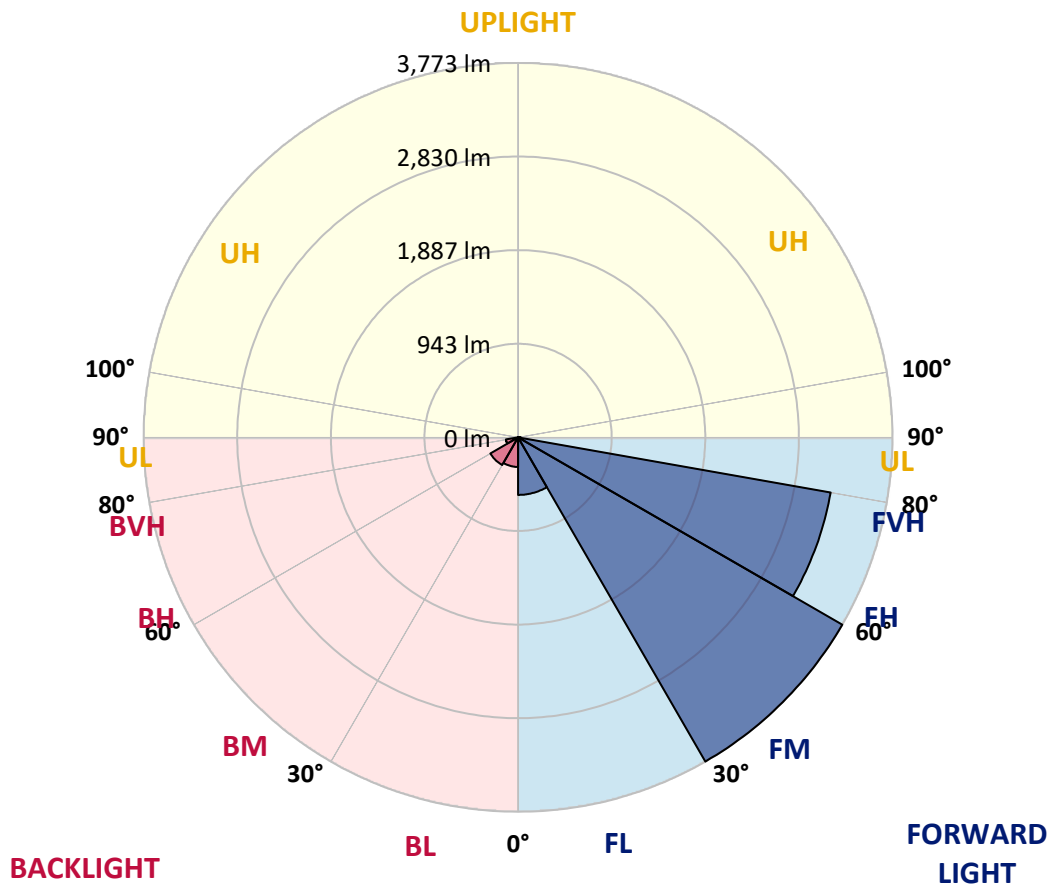
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	580.4	7.0			
FM (30°-60°)	3773.3	45.3			
FH (60°-80°)	3199.3	38.4			G2/5000
FVH (80°-90°)	28.0	0.3			G1/100
BL (0°-30°)	297.9	3.6	B1/500		
BM (30°-60°)	322.2	3.9	B1/1000		
BH (60°-80°)	124.8	1.5	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			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 III Medium





REPORT NUMBER: P634377

CATALOG NUMBER: GWS-SA3B-750-U-T3R-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8
2.5°	1398.1	1395.8	1397.3	1408.8	1430.1	1440.0	1456.8	1459.9	1473.6	1491.1	1498.0
5°	1307.3	1299.7	1303.5	1319.5	1343.9	1371.4	1402.7	1411.1	1445.4	1484.3	1513.3
7.5°	1224.2	1215.8	1224.9	1250.1	1284.4	1314.2	1360.7	1366.1	1421.0	1489.6	1542.2
10°	1093.8	1096.0	1114.4	1158.6	1211.2	1273.0	1335.5	1343.2	1411.1	1507.2	1588.8
12.5°	993.8	988.5	1008.3	1058.7	1132.7	1222.7	1316.5	1326.4	1411.8	1533.9	1648.3
15°	947.3	945.8	954.2	990.8	1062.5	1168.5	1298.9	1311.9	1421.7	1558.3	1704.7
17.5°	948.8	946.6	945.8	967.1	1020.5	1128.1	1279.9	1296.6	1430.1	1585.0	1764.2
20°	1015.2	1004.5	985.5	975.5	1007.6	1102.1	1266.9	1286.0	1442.3	1613.2	1827.5
22.5°	1154.0	1157.8	1106.7	1053.3	1038.1	1105.2	1265.4	1287.5	1469.0	1657.4	1905.3
25°	1431.6	1425.5	1331.0	1211.2	1128.1	1140.3	1292.1	1318.8	1521.7	1720.7	1978.5
27.5°	1779.5	1784.8	1655.1	1464.4	1290.5	1212.7	1340.9	1367.6	1582.7	1760.4	2027.3
30°	2158.5	2153.2	2014.4	1803.1	1520.9	1333.3	1389.7	1413.3	1613.2	1781.7	2077.7
32.5°	2517.0	2504.8	2367.5	2146.3	1814.5	1523.2	1456.8	1470.5	1653.6	1828.3	2145.6
35°	2822.9	2822.1	2702.4	2466.7	2116.6	1761.1	1572.0	1583.4	1729.1	1902.3	2245.5
37.5°	3138.6	3128.0	2993.7	2778.6	2427.0	2022.0	1748.2	1743.6	1848.1	2011.3	2368.3
40°	3398.0	3391.1	3288.1	3081.4	2749.7	2310.3	1961.7	1948.0	1989.2	2162.3	2539.1
42.5°	3590.2	3590.9	3558.9	3433.1	3091.4	2643.6	2230.2	2208.9	2208.1	2390.4	2764.9
45°	3735.9	3745.8	3793.8	3774.8	3494.8	3031.9	2574.2	2552.1	2514.7	2686.3	3023.5
47.5°	3803.7	3816.7	3961.6	4037.9	3848.0	3417.0	2983.8	2937.3	2864.1	3079.9	3312.5
50°	3796.9	3819.8	4021.9	4253.8	4168.3	3807.6	3430.0	3407.9	3288.1	3496.4	3598.6
52.5°	3641.3	3690.1	4025.7	4384.9	4414.7	4167.6	3891.5	3850.3	3792.3	3931.1	3867.1
55°	3218.7	3278.2	3864.8	4426.9	4606.9	4481.8	4343.0	4309.4	4213.3	4341.5	4101.2
57.5°	2989.1	3040.3	3526.1	4406.3	4770.1	4772.4	4745.0	4717.5	4638.2	4747.2	4375.8
60°	2851.1	2902.2	3345.3	4330.8	4918.1	5079.0	5122.5	5119.5	5005.1	5208.7	4697.7
62.5°	2649.0	2719.1	3157.0	4134.8	5023.4	5381.1	5512.3	5491.7	5364.3	5689.2	5016.5
65°	2240.9	2301.9	2771.0	3811.4	4961.6	5631.3	5934.8	5945.5	5798.3	6141.5	5268.2
67.5°	1571.2	1616.2	2082.3	3132.5	4542.1	5713.6	6367.3	6366.5	6115.6	6373.4	5156.8
70°	910.7	972.5	1230.3	1936.6	3533.7	5339.1	6432.1	6454.2	5986.7	5889.1	4267.5
72.5°	352.4	403.5	697.1	1028.9	1842.8	4089.8	5532.9	5597.7	5010.4	4542.8	2970.1
75°	105.3	117.5	328.0	547.6	739.9	1975.5	3745.8	3764.1	3436.9	2833.6	1522.4
77.5°	78.6	87.0	143.4	276.9	259.3	598.7	1938.1	2116.6	1824.5	1012.1	419.5
80°	53.4	63.3	102.2	135.0	96.1	159.4	544.6	598.0	556.8	227.3	105.3
82.5°	23.6	30.5	72.5	67.9	35.1	45.8	167.8	178.5	115.2	68.6	36.6
85°	2.3	3.1	27.5	29.7	13.0	10.7	35.1	35.1	25.2	23.6	15.3
87.5°	0.0	0.0	0.8	1.5	1.5	2.3	3.1	3.8	4.6	6.1	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634377

CATALOG NUMBER: GWS-SA3B-750-U-T3R-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8	1501.8
2.5°	1515.5	1506.4	1517.8	1527.0	1529.3	1512.5	1502.6	1488.1	1485.0	1485.8	1482.0
5°	1536.1	1531.6	1540.0	1530.0	1504.1	1455.3	1413.3	1366.8	1341.6	1327.2	1325.6
7.5°	1574.3	1572.0	1562.8	1517.8	1437.0	1328.7	1224.2	1122.0	1058.7	1035.8	1032.0
10°	1630.7	1626.1	1588.8	1482.0	1309.6	1101.4	926.0	779.5	690.3	664.3	632.3
12.5°	1695.6	1686.4	1604.8	1405.0	1117.4	829.1	610.2	446.2	369.2	346.3	346.3
15°	1758.1	1738.3	1595.6	1277.6	881.0	539.3	340.9	257.8	234.2	228.1	228.1
17.5°	1822.2	1784.0	1559.8	1103.7	608.7	318.8	227.3	211.3	208.2	209.0	209.8
20°	1882.4	1822.9	1496.5	894.7	388.2	222.7	203.6	199.8	198.3	199.8	199.1
22.5°	1948.0	1858.8	1400.4	666.6	252.5	200.6	193.7	190.7	189.2	191.4	191.4
25°	2012.9	1884.7	1273.0	448.5	200.6	186.9	183.1	180.0	178.5	179.2	179.2
27.5°	2046.4	1874.8	1106.0	286.0	180.0	173.1	169.3	165.5	163.2	162.5	163.2
30°	2069.3	1844.3	901.5	203.6	163.2	154.8	151.0	148.0	141.9	138.1	139.6
32.5°	2105.1	1813.8	679.6	170.9	149.5	136.5	130.4	122.8	114.4	110.6	110.6
35°	2147.9	1771.8	476.7	154.1	135.0	121.3	109.8	96.9	87.0	83.9	83.9
37.5°	2204.3	1732.2	317.3	142.6	122.8	108.3	92.3	77.0	66.4	64.8	64.1
40°	2289.0	1698.6	223.5	134.2	112.1	94.6	75.5	59.5	51.9	49.6	49.6
42.5°	2398.8	1664.3	177.0	125.9	103.0	81.6	60.3	47.3	41.2	39.7	38.9
45°	2534.6	1623.9	154.1	118.2	93.8	67.9	48.1	39.7	35.1	33.6	33.6
47.5°	2681.8	1568.9	143.4	108.3	83.1	54.9	40.4	34.3	32.0	31.3	30.5
50°	2826.7	1495.0	134.2	99.2	70.9	45.0	35.1	31.3	29.7	29.0	29.0
52.5°	2953.3	1408.8	122.8	88.5	58.0	38.9	31.3	29.0	27.5	25.9	25.2
55°	3061.6	1315.0	108.3	76.3	47.3	34.3	29.0	26.7	25.2	23.6	22.9
57.5°	3201.2	1261.6	87.0	61.8	38.9	30.5	26.7	24.4	22.9	20.6	20.6
60°	3356.0	1222.7	64.8	48.8	33.6	28.2	24.4	22.1	20.6	18.3	18.3
62.5°	3480.3	1164.7	51.1	39.7	29.0	25.2	22.1	19.8	18.3	16.0	16.0
65°	3527.6	1044.9	42.0	31.3	23.6	22.1	19.8	18.3	16.0	13.7	13.7
67.5°	3314.1	805.4	35.1	25.2	19.8	19.1	17.5	16.8	13.7	12.2	11.4
70°	2624.6	491.2	29.0	20.6	16.8	16.0	16.0	14.5	12.2	11.4	10.7
72.5°	1798.5	253.2	23.6	16.8	14.5	14.5	13.7	13.0	11.4	10.7	10.7
75°	934.3	84.7	18.3	13.0	11.4	12.2	12.2	11.4	10.7	10.7	9.9
77.5°	267.7	38.1	13.7	9.9	9.2	9.2	9.9	9.9	9.9	9.2	9.2
80°	69.4	22.1	9.9	7.6	7.6	7.6	7.6	8.4	9.2	8.4	8.4
82.5°	28.2	12.2	6.9	6.1	6.1	6.1	6.1	6.9	7.6	7.6	7.6
85°	17.5	6.1	5.3	5.3	5.3	4.6	4.6	5.3	5.3	6.1	6.1
87.5°	10.7	4.6	4.6	4.6	4.6	3.8	3.8	3.8	3.8	3.8	3.8
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)