

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: P632397

Luminaire Tested: GWS-SA2C-750-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632397  
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-SA2C-750-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

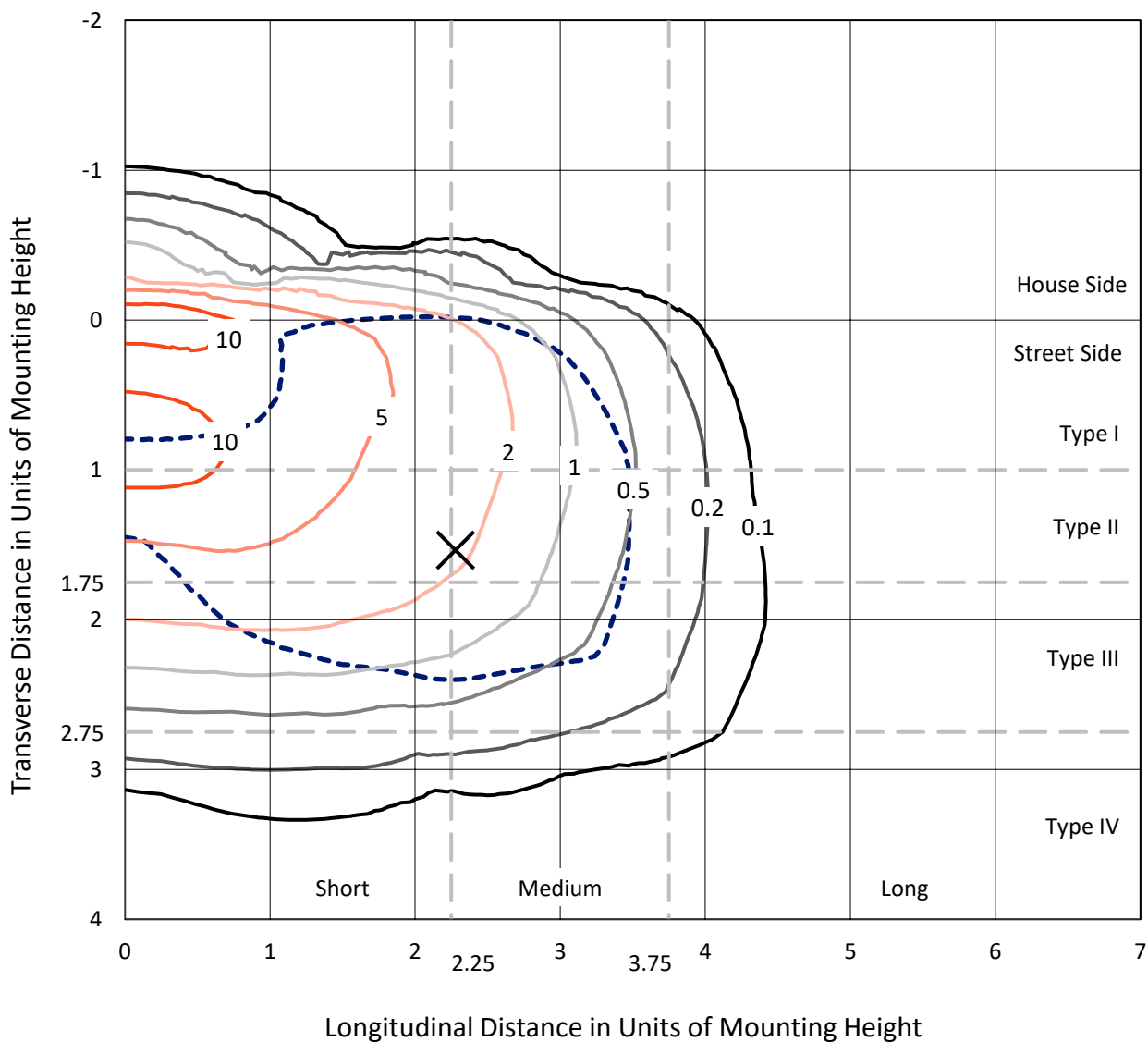
Lumens per Lamp: N/A  
Luminaire Lumens: 7411.3 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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

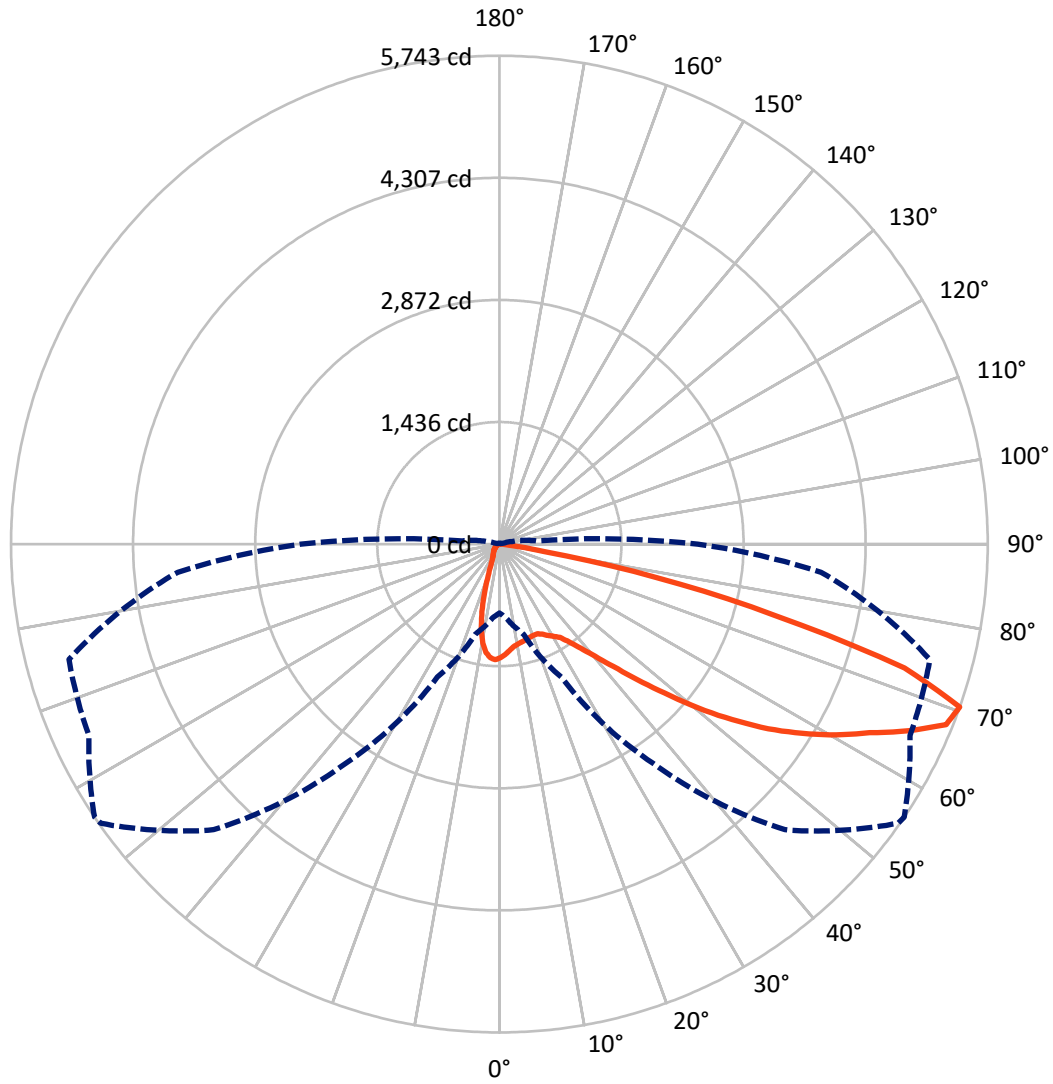
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc  
 Type III - Medium - N/A

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### 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	665.7	0.0	665.7
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	6745.6	0.0	6745.6
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	7411.3	0.0	7411.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.7	1.5
10°-20°	258.1	3.5
20°-30°	408.8	5.5
30°-40°	704.9	9.5
40°-50°	1190.3	16.1
50°-60°	1749.0	23.6
60°-70°	2073.5	28.0
70°-80°	884.2	11.9
80°-90°	27.8	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°	7411.3	100.0
0°-180°	7411.3	100.0

**Coefficient of Utilization**



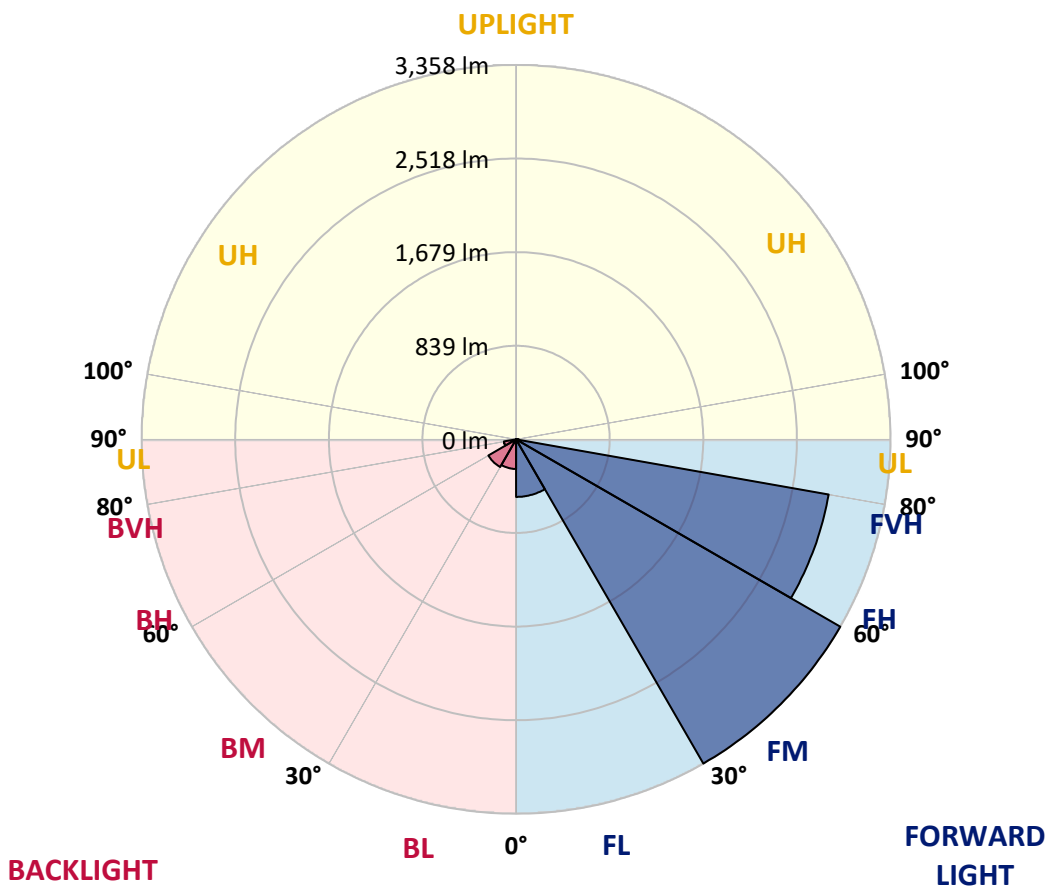
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.4	7.0			
FM (30°-60°)	3357.5	45.3			
FH (60°-80°)	2846.7	38.4			G2/5000
FVH (80°-90°)	24.9	0.3			G1/100
BL (0°-30°)	265.1	3.6	B1/500		
BM (30°-60°)	286.7	3.9	B1/1000		
BH (60°-80°)	111.0	1.5	B1/500		G1/500
BVH (80°-90°)	2.8	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3
2.5°	1244.0	1242.0	1243.4	1253.5	1272.5	1281.4	1296.3	1299.0	1311.2	1326.8	1332.9
5°	1163.3	1156.5	1159.9	1174.1	1195.8	1220.3	1248.1	1255.6	1286.1	1320.7	1346.5
7.5°	1089.3	1081.8	1090.0	1112.4	1142.9	1169.4	1210.8	1215.5	1264.4	1325.5	1372.3
10°	973.2	975.3	991.6	1030.9	1077.8	1132.7	1188.4	1195.2	1255.6	1341.1	1413.7
12.5°	884.3	879.6	897.2	942.0	1007.8	1087.9	1171.4	1180.2	1256.2	1364.8	1466.6
15°	842.9	841.6	849.0	881.6	945.4	1039.7	1155.8	1167.3	1265.1	1386.6	1516.9
17.5°	844.3	842.2	841.6	860.6	908.1	1003.8	1138.8	1153.8	1272.5	1410.3	1569.8
20°	903.3	893.8	876.9	868.0	896.5	980.7	1127.3	1144.3	1283.4	1435.4	1626.1
22.5°	1026.9	1030.2	984.8	937.3	923.7	983.4	1125.9	1145.6	1307.1	1474.8	1695.4
25°	1273.9	1268.5	1184.3	1077.8	1003.8	1014.6	1149.7	1173.4	1354.0	1531.1	1760.5
27.5°	1583.4	1588.1	1472.7	1303.1	1148.3	1079.1	1193.1	1216.9	1408.3	1566.4	1803.9
30°	1920.7	1915.9	1792.4	1604.4	1353.3	1186.3	1236.6	1257.6	1435.4	1585.4	1848.7
32.5°	2239.7	2228.8	2106.6	1909.8	1614.6	1355.3	1296.3	1308.5	1471.4	1626.8	1909.1
35°	2511.8	2511.1	2404.6	2194.9	1883.4	1567.1	1398.8	1409.0	1538.6	1692.6	1998.1
37.5°	2792.8	2783.3	2663.8	2472.5	2159.6	1799.2	1555.5	1551.5	1644.5	1789.7	2107.3
40°	3023.5	3017.4	2925.8	2741.9	2446.7	2055.7	1745.6	1733.4	1770.0	1924.1	2259.3
42.5°	3194.6	3195.3	3166.7	3054.8	2750.7	2352.3	1984.5	1965.5	1964.8	2127.0	2460.2
45°	3324.2	3333.0	3375.8	3358.8	3109.7	2697.8	2290.6	2270.9	2237.6	2390.3	2690.3
47.5°	3384.6	3396.1	3525.1	3593.0	3424.0	3040.5	2655.0	2613.6	2548.5	2740.5	2947.5
50°	3378.5	3398.9	3578.7	3785.0	3709.0	3388.0	3052.0	3032.4	2925.8	3111.1	3202.0
52.5°	3240.0	3283.5	3582.1	3901.8	3928.2	3708.3	3462.7	3426.0	3374.4	3497.9	3440.9
55°	2864.1	2917.0	3438.9	3939.1	4099.3	3988.0	3864.4	3834.6	3749.1	3863.1	3649.3
57.5°	2659.8	2705.2	3137.6	3920.8	4244.5	4246.5	4222.1	4197.7	4127.1	4224.1	3893.6
60°	2536.9	2582.4	2976.7	3853.6	4376.2	4519.4	4558.1	4555.3	4453.5	4634.7	4180.0
62.5°	2357.1	2419.5	2809.1	3679.2	4469.8	4788.1	4904.9	4886.5	4773.2	5062.3	4463.7
65°	1994.0	2048.3	2465.7	3391.4	4414.8	5010.7	5280.9	5290.4	5159.4	5464.8	4687.7
67.5°	1398.1	1438.1	1852.8	2787.4	4041.6	5084.0	5665.7	5665.0	5441.7	5671.1	4588.6
70°	810.4	865.3	1094.7	1723.2	3144.4	4750.8	5723.4	5743.0	5327.0	5240.1	3797.2
72.5°	313.6	359.0	620.3	915.5	1639.7	3639.1	4923.2	4980.9	4458.3	4042.3	2642.8
75°	93.7	104.5	291.8	487.3	658.3	1757.8	3333.0	3349.3	3058.2	2521.3	1354.7
77.5°	69.9	77.4	127.6	246.4	230.8	532.8	1724.5	1883.4	1623.4	900.6	373.3
80°	47.5	56.3	90.9	120.1	85.5	141.8	484.6	532.1	495.4	202.2	93.7
82.5°	21.0	27.1	64.5	60.4	31.2	40.7	149.3	158.8	102.5	61.1	32.6
85°	2.0	2.7	24.4	26.5	11.5	9.5	31.2	31.2	22.4	21.0	13.6
87.5°	0.0	0.0	0.7	1.4	1.4	2.0	2.7	3.4	4.1	5.4	6.8
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°	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3	1336.3
2.5°	1348.5	1340.4	1350.6	1358.7	1360.8	1345.8	1337.0	1324.1	1321.4	1322.1	1318.7
5°	1366.9	1362.8	1370.3	1361.4	1338.4	1294.9	1257.6	1216.2	1193.8	1180.9	1179.6
7.5°	1400.8	1398.8	1390.6	1350.6	1278.6	1182.3	1089.3	998.3	942.0	921.7	918.3
10°	1451.0	1447.0	1413.7	1318.7	1165.3	980.0	823.9	693.6	614.2	591.1	562.6
12.5°	1508.7	1500.6	1428.0	1250.1	994.3	737.7	542.9	397.0	328.5	308.1	308.1
15°	1564.4	1546.7	1419.8	1136.8	783.9	479.8	303.4	229.4	208.4	202.9	202.9
17.5°	1621.4	1587.4	1387.9	982.1	541.6	283.7	202.2	188.0	185.3	186.0	186.6
20°	1675.0	1622.1	1331.6	796.1	345.5	198.2	181.2	177.8	176.5	177.8	177.1
22.5°	1733.4	1654.0	1246.1	593.2	224.6	178.5	172.4	169.7	168.3	170.4	170.4
25°	1791.1	1677.0	1132.7	399.1	178.5	166.3	162.9	160.2	158.8	159.5	159.5
27.5°	1820.9	1668.2	984.1	254.5	160.2	154.1	150.7	147.3	145.2	144.6	145.2
30°	1841.3	1641.1	802.2	181.2	145.2	137.8	134.4	131.7	126.2	122.8	124.2
32.5°	1873.2	1613.9	604.7	152.0	133.0	121.5	116.1	109.3	101.8	98.4	98.4
35°	1911.2	1576.6	424.2	137.1	120.1	107.9	97.7	86.2	77.4	74.7	74.7
37.5°	1961.4	1541.3	282.3	126.9	109.3	96.4	82.1	68.5	59.0	57.7	57.0
40°	2036.7	1511.4	198.9	119.4	99.8	84.2	67.2	52.9	46.2	44.1	44.1
42.5°	2134.5	1480.9	157.5	112.0	91.6	72.6	53.6	42.1	36.6	35.3	34.6
45°	2255.3	1444.9	137.1	105.2	83.5	60.4	42.8	35.3	31.2	29.9	29.9
47.5°	2386.3	1396.1	127.6	96.4	74.0	48.9	36.0	30.5	28.5	27.8	27.1
50°	2515.2	1330.2	119.4	88.2	63.1	40.0	31.2	27.8	26.5	25.8	25.8
52.5°	2627.9	1253.5	109.3	78.7	51.6	34.6	27.8	25.8	24.4	23.1	22.4
55°	2724.2	1170.1	96.4	67.9	42.1	30.5	25.8	23.8	22.4	21.0	20.4
57.5°	2848.4	1122.5	77.4	55.0	34.6	27.1	23.8	21.7	20.4	18.3	18.3
60°	2986.2	1087.9	57.7	43.4	29.9	25.1	21.7	19.7	18.3	16.3	16.3
62.5°	3096.8	1036.4	45.5	35.3	25.8	22.4	19.7	17.6	16.3	14.3	14.3
65°	3138.9	929.8	37.3	27.8	21.0	19.7	17.6	16.3	14.3	12.2	12.2
67.5°	2948.9	716.7	31.2	22.4	17.6	17.0	15.6	14.9	12.2	10.9	10.2
70°	2335.4	437.1	25.8	18.3	14.9	14.3	14.3	12.9	10.9	10.2	9.5
72.5°	1600.3	225.3	21.0	14.9	12.9	12.9	12.2	11.5	10.2	9.5	9.5
75°	831.4	75.3	16.3	11.5	10.2	10.9	10.9	10.2	9.5	9.5	8.8
77.5°	238.2	33.9	12.2	8.8	8.1	8.1	8.8	8.8	8.8	8.1	8.1
80°	61.8	19.7	8.8	6.8	6.8	6.8	6.8	7.5	8.1	7.5	7.5
82.5°	25.1	10.9	6.1	5.4	5.4	5.4	5.4	6.1	6.8	6.8	6.8
85°	15.6	5.4	4.8	4.8	4.8	4.1	4.1	4.8	4.8	5.4	5.4
87.5°	9.5	4.1	4.1	4.1	4.1	3.4	3.4	3.4	3.4	3.4	3.4
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)