

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: P630826

Luminaire Tested: GWS-SA1E-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630826
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6006.9 lumens
Efficiency: N/A
Efficacy: 102.9 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

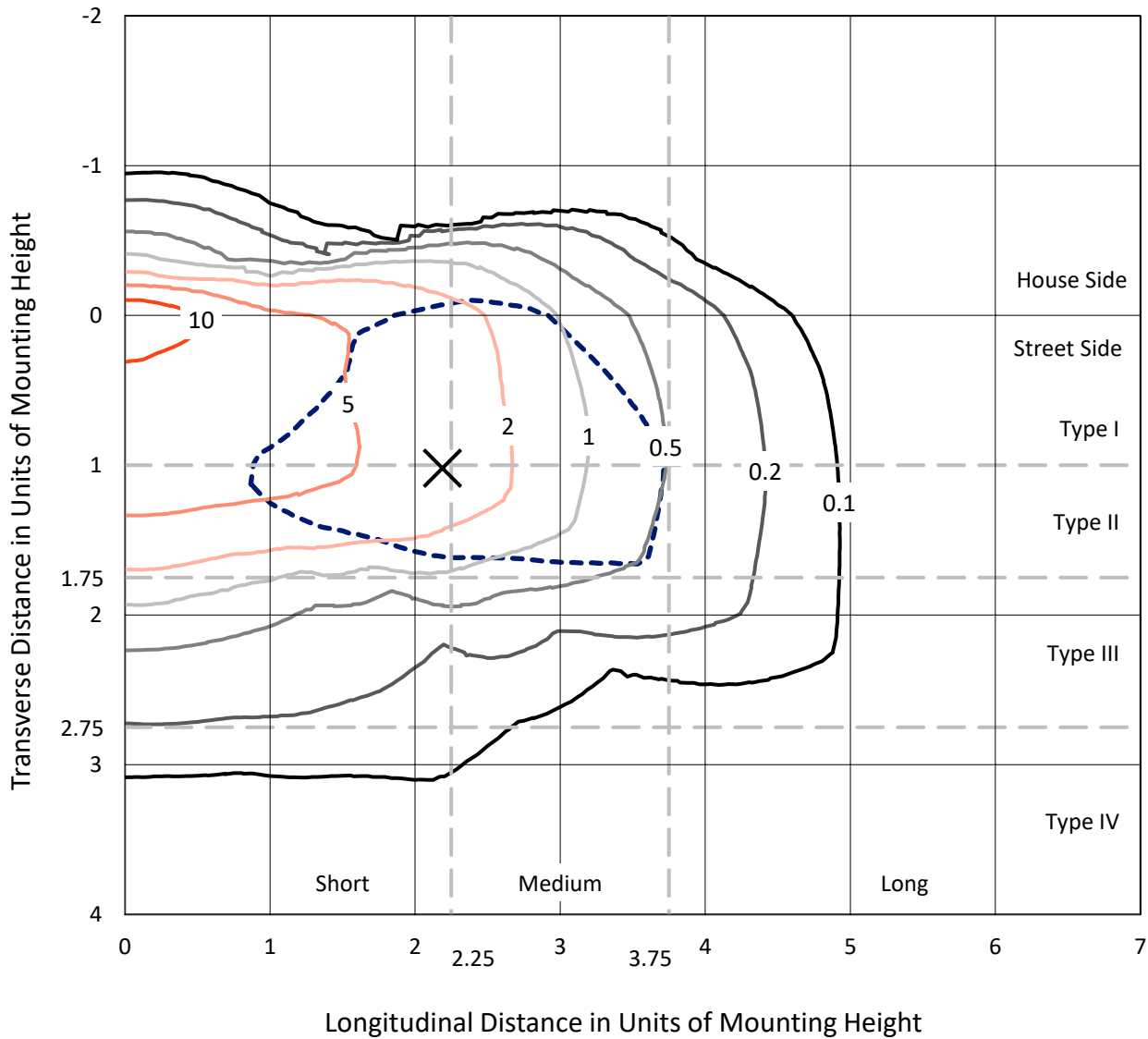
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

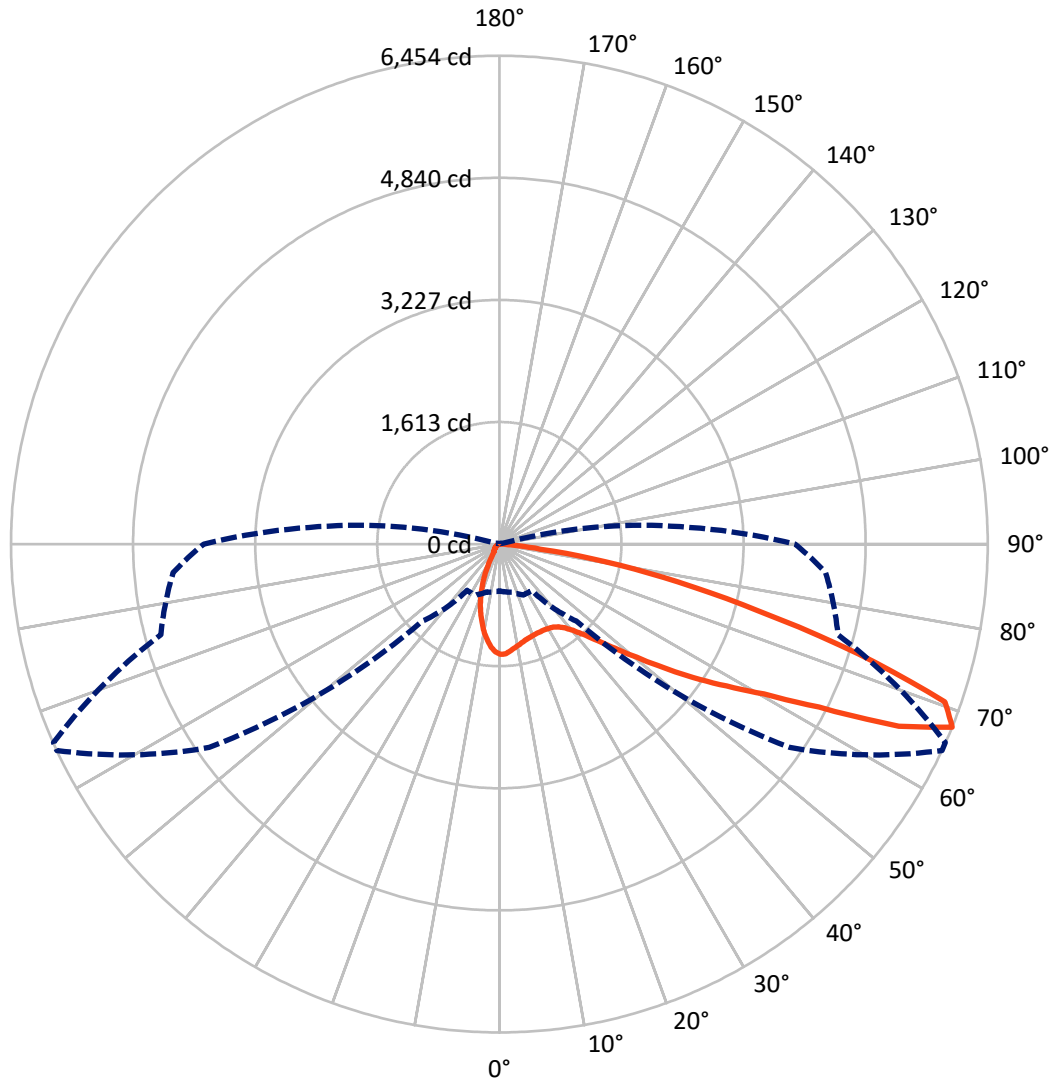
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.6 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
House Side	Lumens	750.1	0.0	750.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	5256.8	0.0	5256.8
	% Fixture	87.5	0.0	87.5
Total	Lumens	6006.9	0.0	6006.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	2.0
10°-20°	272.0	4.5
20°-30°	388.7	6.5
30°-40°	565.5	9.4
40°-50°	885.6	14.7
50°-60°	1381.6	23.0
60°-70°	1517.6	25.3
70°-80°	807.7	13.4
80°-90°	67.2	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°	6006.9	100.0
0°-180°	6006.9	100.0

Coefficient of Utilization



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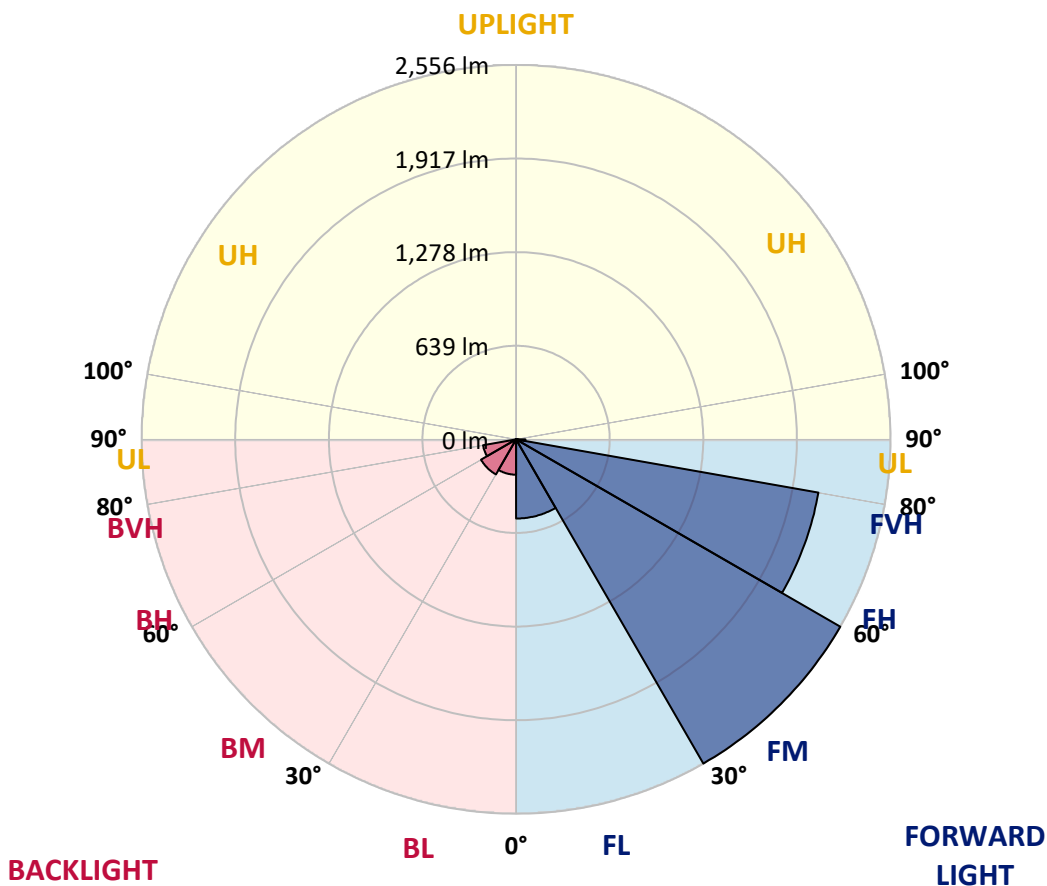
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	540.6	9.0			
FM (30°-60°)	2556.4	42.6			
FH (60°-80°)	2096.2	34.9			G2/5000
FVH (80°-90°)	63.6	1.1			G1/100
BL (0°-30°)	241.1	4.0	B1/500		
BM (30°-60°)	276.3	4.6	B1/1000		
BH (60°-80°)	229.1	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°	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1406.3	1410.7	1404.7	1419.4	1422.1	1438.4	1447.6	1454.1	1453.6	1461.8	1461.8
5°	1323.8	1328.1	1324.9	1340.6	1353.1	1378.6	1399.8	1424.3	1425.4	1450.3	1459.6
7.5°	1253.7	1254.2	1254.2	1273.8	1290.1	1321.6	1353.1	1390.6	1394.9	1433.5	1457.9
10°	1196.1	1197.8	1198.3	1220.6	1238.5	1276.5	1316.7	1361.8	1366.7	1418.8	1456.9
12.5°	1156.5	1157.0	1159.2	1182.5	1202.1	1241.8	1282.5	1334.1	1340.6	1402.0	1452.0
15°	1137.5	1136.4	1137.5	1157.0	1176.6	1214.6	1256.4	1311.8	1318.9	1387.9	1452.5
17.5°	1136.4	1134.7	1133.7	1148.3	1160.8	1194.5	1236.9	1297.2	1304.8	1381.4	1458.5
20°	1152.1	1151.0	1145.6	1152.1	1154.8	1182.5	1224.4	1285.8	1293.4	1380.3	1471.5
22.5°	1193.4	1190.7	1182.5	1176.6	1161.9	1178.2	1215.7	1277.6	1286.3	1383.0	1488.4
25°	1254.8	1253.7	1243.4	1228.7	1191.2	1184.7	1216.2	1277.6	1285.8	1386.2	1506.3
27.5°	1347.1	1340.6	1327.6	1302.1	1248.3	1210.2	1227.1	1280.9	1289.0	1390.6	1521.0
30°	1441.1	1440.6	1436.2	1410.1	1330.3	1259.1	1249.9	1289.6	1297.2	1394.4	1534.5
32.5°	1538.3	1540.0	1550.8	1530.7	1443.3	1331.9	1291.2	1307.5	1312.9	1402.0	1546.5
35°	1630.7	1633.9	1662.7	1669.8	1580.7	1442.2	1358.5	1343.3	1343.9	1418.8	1562.2
37.5°	1719.2	1730.1	1776.3	1810.5	1751.8	1575.8	1455.8	1404.2	1399.8	1452.5	1586.1
40°	1819.7	1840.4	1898.5	1956.6	1938.1	1752.4	1588.3	1497.6	1488.4	1514.4	1629.1
42.5°	1931.1	1953.3	2030.5	2112.0	2120.7	1965.8	1754.0	1633.9	1618.2	1618.7	1709.5
45°	2050.6	2080.5	2170.1	2287.4	2340.1	2203.8	1958.2	1818.1	1802.3	1779.0	1838.7
47.5°	2207.6	2233.6	2320.0	2455.3	2556.3	2459.1	2226.0	2054.9	2026.1	1991.9	2039.7
50°	2342.8	2365.6	2440.1	2609.5	2819.8	2788.2	2529.7	2351.0	2323.3	2265.1	2304.8
52.5°	2372.7	2390.6	2459.1	2649.7	3021.3	3203.8	2901.8	2708.9	2689.4	2581.8	2597.0
55°	2238.5	2265.7	2327.1	2538.9	3074.0	3610.1	3384.7	3112.5	3071.8	2900.1	2927.3
57.5°	1899.6	1947.9	2005.5	2280.9	2931.1	3826.3	4059.3	3540.0	3503.1	3206.5	3207.1
60°	1392.2	1431.3	1469.9	1721.9	2592.2	3811.6	4671.5	4020.2	3952.9	3456.9	3447.7
62.5°	1012.5	1032.6	1032.1	1121.7	1780.1	3560.7	4993.1	4743.8	4586.8	3724.7	3672.0
65°	796.3	795.8	819.1	848.5	994.1	2748.6	5032.7	5800.3	5630.8	4083.8	3974.1
67.5°	619.8	631.7	655.1	741.5	746.9	1438.4	4684.0	6453.8	6450.5	4631.9	4327.7
70°	478.0	494.3	527.4	653.5	689.9	805.0	3504.7	6246.8	6299.5	4876.8	4077.3
72.5°	306.9	305.8	354.7	528.0	662.7	670.9	1938.1	4962.1	5021.9	4417.3	3296.7
75°	171.7	172.7	200.4	323.2	617.6	631.2	959.8	3538.4	3585.7	3443.9	2532.9
77.5°	67.4	69.5	94.0	170.0	407.4	563.8	570.4	2412.9	2420.0	2134.2	1553.6
80°	27.2	28.8	47.8	105.4	248.2	379.7	407.4	1421.6	1392.8	826.2	451.9
82.5°	8.1	8.7	19.0	59.8	129.8	270.0	274.9	545.4	515.0	177.6	115.2
85°	0.5	0.5	4.3	18.5	46.2	67.9	183.1	177.6	157.5	44.5	51.1
87.5°	0.0	0.0	0.5	0.5	1.1	2.2	19.6	32.6	33.1	8.1	22.8
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°	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1461.8	1442.2	1440.6	1425.4	1410.1	1391.1	1368.9	1352.6	1341.2	1321.1	1317.3
5°	1459.6	1433.5	1409.1	1365.6	1317.3	1265.1	1219.5	1177.1	1150.5	1132.6	1125.0
7.5°	1455.2	1422.1	1365.6	1283.6	1202.6	1111.4	1040.2	975.0	930.5	904.4	893.0
10°	1452.0	1407.4	1315.6	1191.2	1065.8	939.7	831.6	734.9	681.2	638.8	631.7
12.5°	1445.5	1386.2	1251.5	1083.1	921.3	754.0	616.0	497.6	415.5	378.6	365.6
15°	1438.9	1364.0	1187.4	969.1	763.7	557.3	390.0	275.9	219.5	202.1	201.0
17.5°	1437.9	1343.9	1117.9	861.0	598.6	365.0	222.2	178.7	166.8	162.4	162.4
20°	1441.1	1327.0	1049.5	736.6	436.2	222.2	165.7	154.8	147.8	143.9	143.9
22.5°	1444.4	1309.7	983.7	611.1	289.5	162.4	146.1	136.9	128.7	124.4	122.2
25°	1446.5	1290.6	910.9	485.1	189.0	141.2	128.2	116.2	106.5	101.0	101.0
27.5°	1446.0	1267.8	837.6	361.8	146.7	125.5	109.7	97.2	87.5	81.5	82.0
30°	1441.7	1242.8	761.6	252.6	128.2	109.7	94.0	80.9	71.2	66.3	65.7
32.5°	1438.4	1216.2	673.6	177.6	115.2	96.1	79.9	67.4	59.2	55.4	54.9
35°	1434.6	1190.2	589.9	135.3	103.8	83.1	67.4	57.0	50.5	47.3	47.3
37.5°	1435.7	1163.0	499.2	116.2	92.3	72.2	57.6	48.9	43.5	40.2	39.7
40°	1452.5	1146.7	410.1	105.4	82.0	62.5	50.0	42.4	36.9	33.7	33.1
42.5°	1494.3	1147.2	324.8	97.2	72.8	53.2	43.5	36.4	31.5	27.7	27.2
45°	1578.0	1170.1	249.3	88.5	63.0	46.2	37.5	31.0	26.1	22.8	22.3
47.5°	1714.9	1238.0	189.0	80.9	54.9	40.2	32.0	26.1	21.7	19.0	18.5
50°	1932.7	1360.7	148.8	71.7	46.2	34.8	27.2	21.7	17.9	15.2	14.7
52.5°	2194.5	1544.9	127.7	63.6	39.7	30.4	23.4	17.9	14.7	12.5	12.0
55°	2495.5	1764.9	117.9	55.4	33.7	26.1	19.0	14.7	12.0	10.3	9.2
57.5°	2771.4	1963.1	117.3	47.3	28.8	22.3	15.8	12.5	10.3	8.1	7.6
60°	3040.3	2128.8	110.3	39.1	25.0	18.5	13.6	10.3	8.7	7.1	6.5
62.5°	3284.2	2263.5	92.3	31.5	21.2	15.2	11.4	9.2	7.6	6.0	6.0
65°	3590.6	2435.2	70.6	25.5	17.4	12.5	9.8	8.1	7.1	5.4	5.4
67.5°	3907.2	2525.9	50.5	21.2	14.1	10.9	8.7	7.6	6.0	4.9	4.9
70°	3538.9	2134.2	36.4	17.4	12.0	9.2	7.6	7.1	6.0	4.9	4.3
72.5°	2763.8	1538.9	27.2	13.6	10.3	8.7	7.1	6.5	5.4	4.3	4.3
75°	2049.5	897.4	20.6	10.9	8.1	7.1	7.1	6.5	5.4	4.3	3.8
77.5°	1114.1	312.9	15.8	8.7	6.5	5.4	6.0	6.0	4.9	3.8	3.3
80°	295.0	85.8	10.9	6.5	5.4	4.3	4.3	5.4	4.3	3.3	3.3
82.5°	85.8	25.0	7.6	5.4	4.3	3.8	3.8	3.8	3.3	2.7	2.2
85°	41.8	9.2	5.4	4.3	3.8	3.3	2.7	2.7	2.2	1.6	1.6
87.5°	18.5	3.8	4.3	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)