

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: P631759

Luminaire Tested: GWS-SA2B-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-735-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3996.8 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

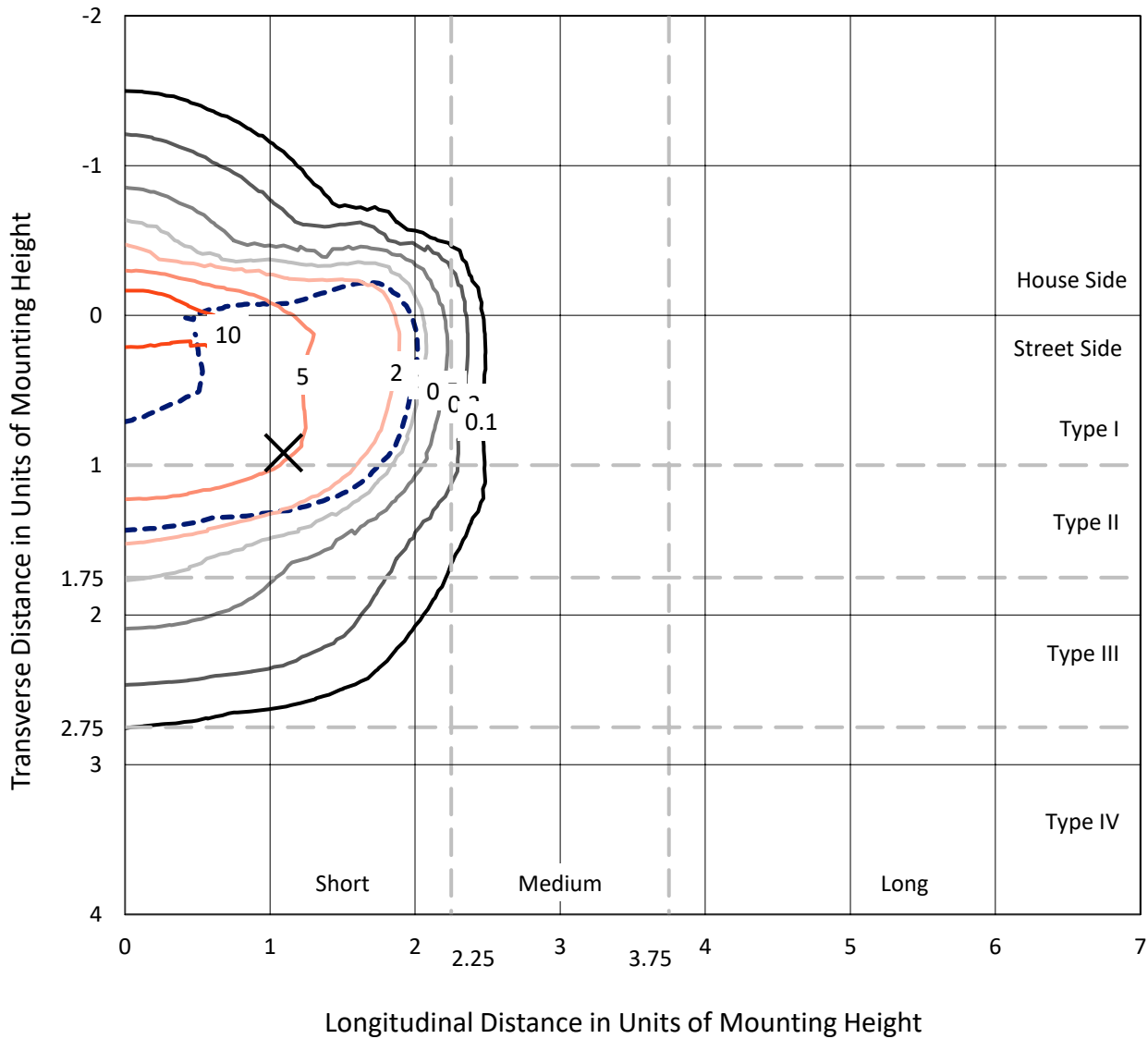
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

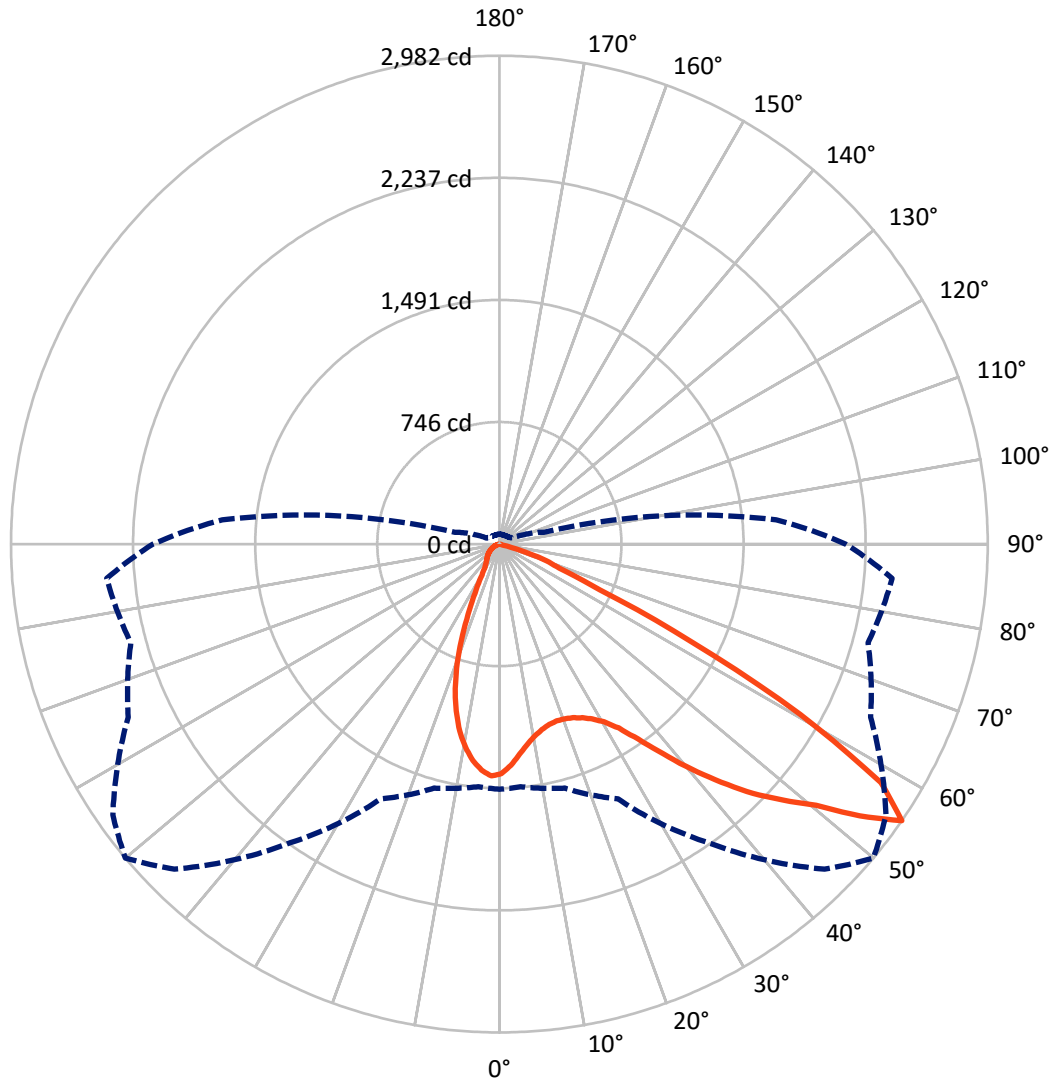
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	787.5	0.0	787.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	3209.2	0.0	3209.2
	% Fixture	80.3	0.0	80.3
Total	Lumens	3996.8	0.0	3996.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	3.1
10°-20°	303.1	7.6
20°-30°	427.5	10.7
30°-40°	632.6	15.8
40°-50°	912.6	22.8
50°-60°	1076.5	26.9
60°-70°	480.2	12.0
70°-80°	41.3	1.0
80°-90°	0.0	0.0
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°	3996.8	100.0
0°-180°	3996.8	100.0

Coefficient of Utilization



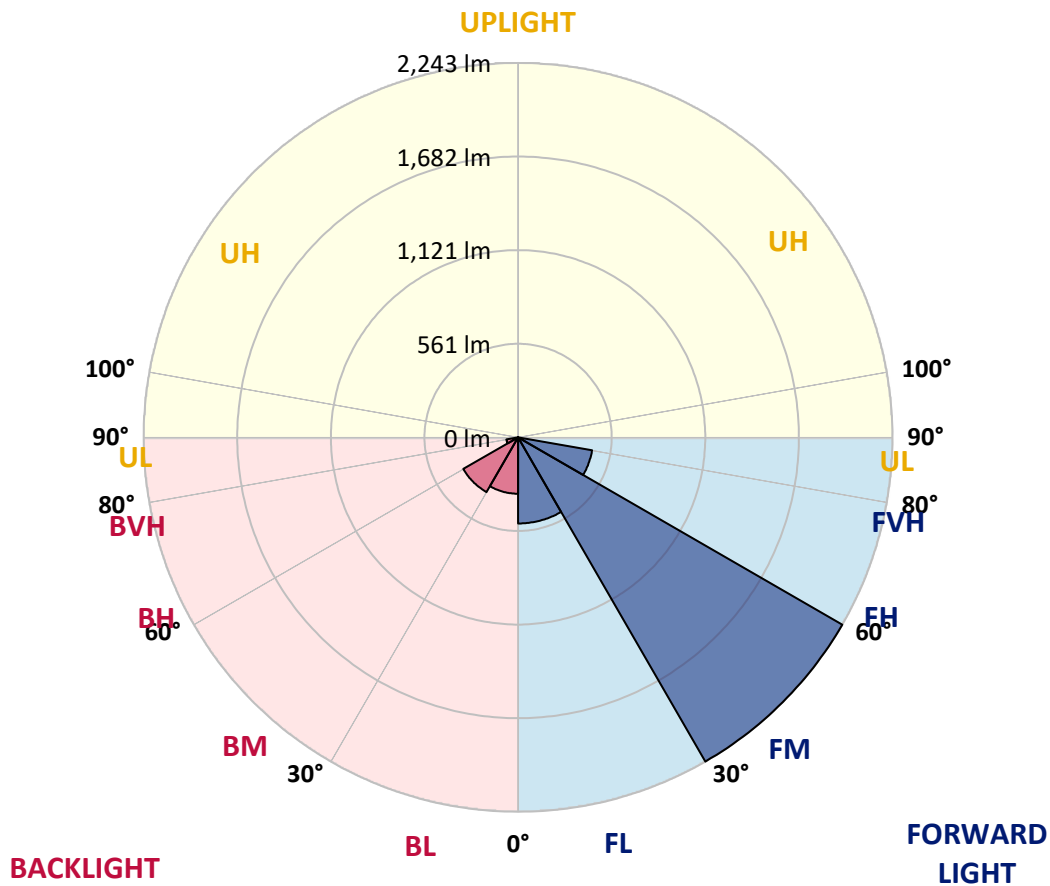
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.0	12.9			
FM (30°-60°)	2242.9	56.1			
FH (60°-80°)	450.4	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	337.7	8.4	B1/500		
BM (30°-60°)	378.8	9.5	B1/1000		
BH (60°-80°)	71.1	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3
2.5°	1302.8	1303.7	1304.2	1317.4	1322.3	1341.8	1352.0	1357.4	1371.6	1388.1	1401.8
5°	1215.4	1214.0	1216.4	1233.0	1243.7	1272.5	1288.1	1298.9	1330.1	1369.1	1401.8
7.5°	1139.3	1142.2	1145.2	1163.2	1179.3	1210.5	1233.0	1249.1	1292.5	1350.6	1405.7
10°	1085.6	1085.6	1090.0	1110.5	1129.5	1168.1	1190.5	1211.0	1262.8	1334.0	1410.1
12.5°	1046.1	1046.6	1052.0	1075.4	1097.3	1137.4	1160.8	1180.8	1237.9	1317.4	1411.1
15°	1027.6	1026.1	1030.5	1055.4	1079.8	1117.4	1141.7	1161.3	1220.3	1308.1	1416.0
17.5°	1022.7	1021.7	1025.1	1049.5	1074.4	1111.0	1134.9	1154.4	1217.9	1311.1	1430.6
20°	1036.8	1034.9	1033.4	1054.4	1077.8	1113.9	1138.8	1160.8	1229.6	1327.2	1453.0
22.5°	1070.5	1070.5	1067.1	1077.3	1093.0	1125.6	1151.5	1180.3	1260.3	1359.4	1486.2
25°	1132.5	1127.6	1121.3	1125.6	1123.7	1144.2	1174.9	1214.9	1318.4	1412.5	1526.7
27.5°	1203.2	1207.6	1196.9	1197.4	1180.3	1173.0	1208.6	1269.1	1404.7	1487.7	1586.7
30°	1299.3	1295.9	1296.4	1295.0	1255.4	1220.8	1259.3	1339.8	1513.5	1602.3	1664.8
32.5°	1374.5	1379.4	1395.5	1404.7	1353.0	1297.4	1338.4	1436.0	1637.5	1733.1	1760.4
35°	1454.0	1462.8	1495.5	1525.7	1482.3	1418.4	1462.3	1563.3	1754.1	1862.4	1870.2
37.5°	1537.9	1555.5	1594.5	1647.7	1640.9	1584.3	1624.3	1713.1	1845.8	1940.5	1961.0
40°	1634.1	1651.1	1715.1	1791.7	1807.8	1795.1	1808.3	1860.0	1906.3	1943.9	2000.0
42.5°	1739.5	1762.9	1843.9	1946.3	2006.8	2018.1	1987.3	1982.0	1932.7	1904.9	1991.7
45°	1863.9	1891.2	1982.9	2115.6	2211.8	2226.9	2173.7	2104.9	1949.3	1876.1	1966.8
47.5°	2003.4	2029.3	2120.5	2280.1	2423.0	2428.9	2336.2	2225.4	1998.5	1909.3	1985.9
50°	2050.3	2066.4	2145.4	2332.8	2596.3	2641.1	2507.0	2361.1	2097.6	2006.8	2078.6
52.5°	1889.2	1895.6	1964.4	2153.7	2561.1	2849.5	2756.3	2563.6	2273.7	2155.7	2221.5
55°	1497.0	1486.7	1542.3	1716.0	2225.9	2807.0	2982.2	2881.7	2500.6	2330.3	2407.4
57.5°	1047.1	1034.9	1022.2	1139.8	1660.9	2379.6	2748.0	2926.1	2716.8	2503.5	2608.0
60°	860.7	849.0	787.5	733.4	1004.2	1708.7	2110.8	2446.0	2699.2	2494.8	2601.6
62.5°	743.6	736.8	711.9	638.2	590.9	975.4	1321.8	1642.8	2071.2	1959.0	1964.9
65°	584.0	582.1	599.2	607.0	522.6	539.6	674.3	853.9	1119.8	1055.9	1001.2
67.5°	399.1	394.7	426.9	525.0	502.6	426.0	394.7	398.1	484.5	296.2	235.2
70°	253.7	243.5	244.0	325.4	408.9	336.2	304.5	267.9	241.0	43.9	49.8
72.5°	162.5	156.1	134.2	146.9	189.3	163.9	165.4	142.5	95.1	23.4	27.3
75°	68.3	62.9	48.3	38.5	38.1	23.9	21.0	19.5	13.2	13.2	14.1
77.5°	0.5	0.0	0.0	0.5	1.0	0.5	0.5	1.0	2.0	2.9	3.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3	1402.3
2.5°	1410.1	1398.4	1411.6	1416.4	1416.0	1416.4	1402.3	1392.5	1392.1	1379.9	1374.0
5°	1415.5	1406.2	1416.0	1409.6	1394.5	1375.5	1350.1	1328.1	1318.4	1304.2	1297.4
7.5°	1425.7	1416.0	1414.5	1389.1	1351.6	1311.5	1266.7	1226.6	1205.2	1179.3	1180.8
10°	1433.0	1421.8	1402.8	1351.1	1288.6	1224.7	1157.8	1098.3	1060.8	1026.1	1020.3
12.5°	1436.0	1419.4	1375.0	1296.9	1209.1	1125.6	1027.6	942.7	884.1	838.7	832.4
15°	1441.3	1414.5	1339.4	1231.5	1111.0	992.9	868.0	751.9	674.3	622.1	626.5
17.5°	1449.6	1409.1	1299.3	1158.3	1005.6	838.7	669.9	536.7	465.5	435.2	435.7
20°	1461.3	1402.8	1255.4	1077.8	879.2	664.6	468.4	367.9	347.9	346.9	345.5
22.5°	1477.0	1396.4	1208.6	989.5	729.4	465.5	311.8	280.6	288.9	305.0	307.9
25°	1495.5	1388.6	1156.4	890.0	566.0	305.4	233.7	228.8	248.8	270.3	275.2
27.5°	1524.3	1384.7	1096.9	776.8	397.2	219.1	191.3	194.2	212.2	230.3	234.7
30°	1573.1	1392.1	1032.0	649.9	255.2	174.7	165.9	170.3	180.0	189.3	193.2
32.5°	1639.4	1413.5	969.0	511.3	182.0	151.7	149.8	152.2	156.1	161.5	163.0
35°	1717.0	1450.6	904.1	365.9	150.3	138.6	136.6	136.6	138.6	139.5	140.0
37.5°	1780.9	1489.6	843.1	243.5	134.7	128.3	125.4	123.9	123.4	124.4	124.9
40°	1808.7	1505.7	776.8	177.1	123.4	119.1	114.7	110.3	110.3	113.7	114.2
42.5°	1789.2	1487.7	700.2	146.4	115.6	109.3	102.5	98.6	100.5	103.9	104.9
45°	1747.8	1443.3	615.8	129.3	107.8	99.5	91.7	89.3	91.2	95.6	96.6
47.5°	1740.9	1414.0	514.8	118.1	99.5	91.2	82.9	80.5	82.9	86.4	87.3
50°	1808.7	1439.4	402.5	108.3	91.7	82.5	75.6	73.2	74.7	76.6	77.6
52.5°	1932.7	1533.6	325.0	99.0	82.5	73.7	69.3	66.4	66.4	68.3	68.8
55°	2115.6	1698.0	280.6	88.3	71.7	66.8	62.9	60.0	60.0	61.0	61.5
57.5°	2326.4	1897.1	290.8	74.2	62.9	60.5	57.1	54.6	55.6	55.6	55.6
60°	2297.2	1882.4	311.3	62.5	55.6	54.6	51.7	50.7	53.2	51.2	50.3
62.5°	1692.1	1300.3	163.0	51.2	47.8	46.8	44.9	46.8	50.3	44.9	42.9
65°	821.7	629.4	65.4	42.0	40.5	39.5	38.5	41.5	43.4	35.1	33.2
67.5°	193.2	157.1	42.4	35.6	33.7	31.7	32.7	33.2	31.7	23.9	22.9
70°	50.3	49.3	33.2	29.8	26.8	24.9	24.9	24.4	21.0	15.1	14.1
72.5°	27.3	26.8	23.9	22.4	18.5	16.6	17.1	15.1	11.7	8.8	8.3
75°	13.7	14.6	13.7	12.7	10.2	9.3	9.3	8.3	5.9	3.4	3.4
77.5°	2.9	3.4	3.4	2.9	2.4	2.0	2.0	2.4	1.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)