

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: P630439

Luminaire Tested: GWS-SA1D-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630439
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-SA1D-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3592.3 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

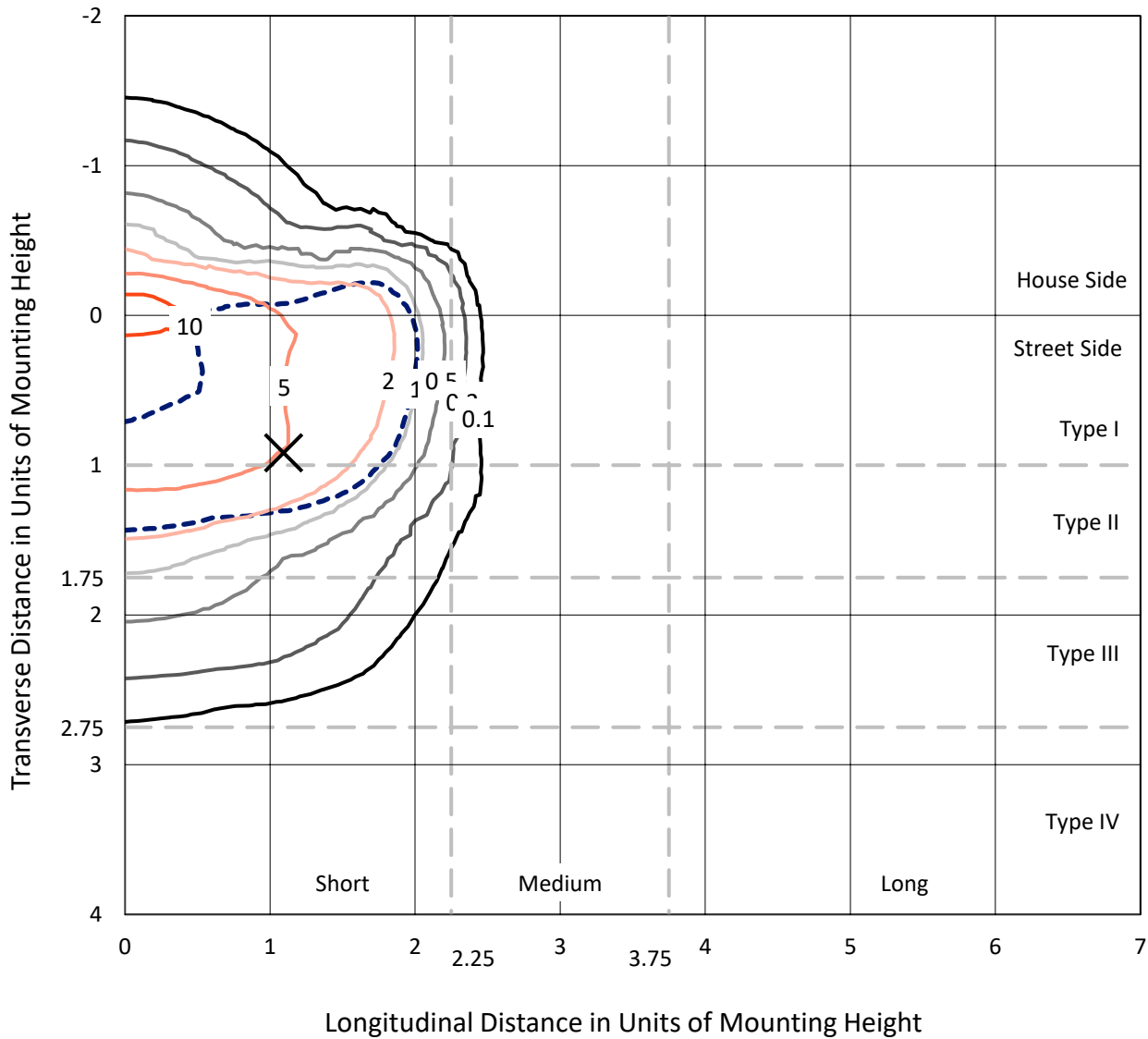
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630439
 CATALOG NUMBER: GWS-SA1D-760-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

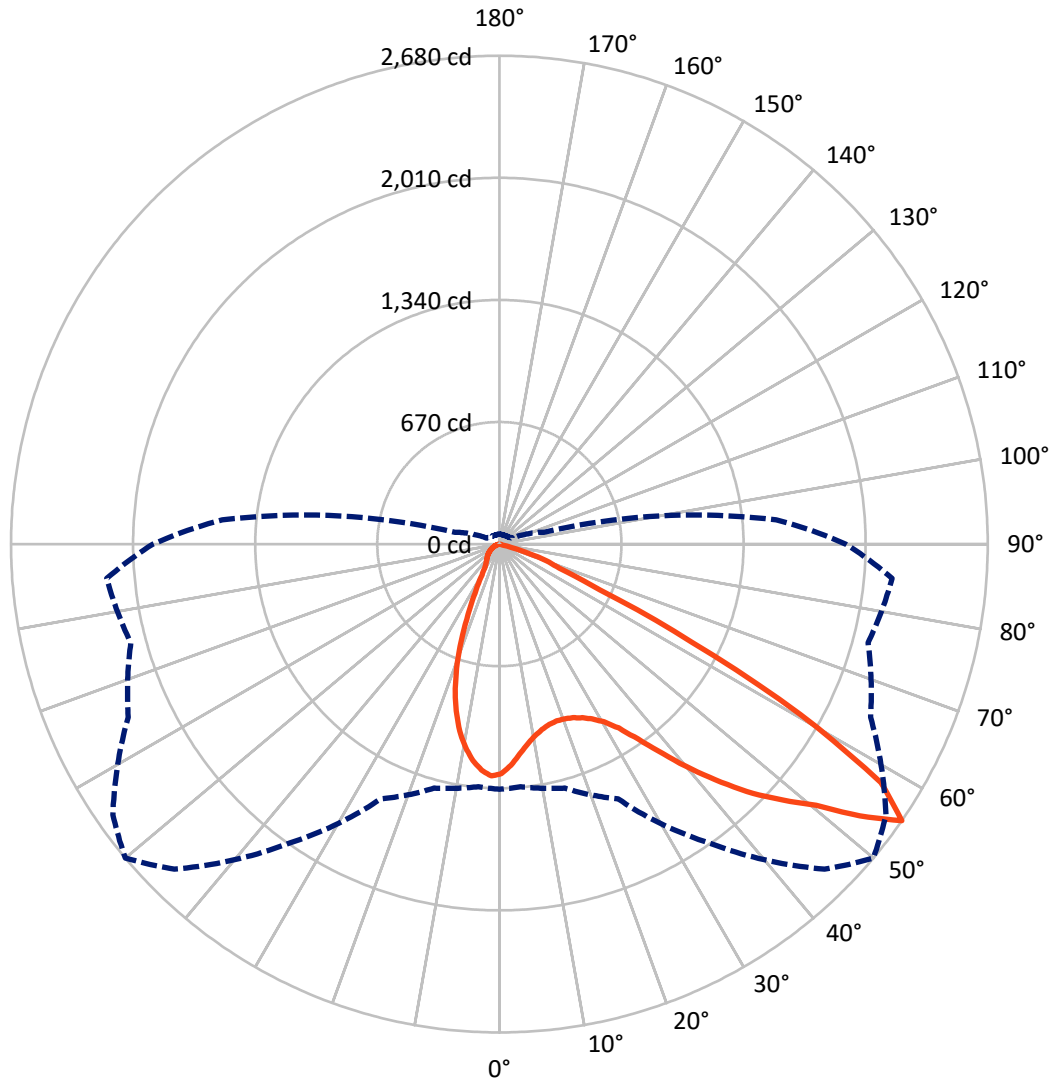
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

REPORT NUMBER: P630439
CATALOG NUMBER: GWS-SA1D-760-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630439
 CATALOG NUMBER: GWS-SA1D-760-U-SL2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	707.9	0.0	707.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	2884.4	0.0	2884.4
	% Fixture	80.3	0.0	80.3
Total	Lumens	3592.3	0.0	3592.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.1
10°-20°	272.4	7.6
20°-30°	384.2	10.7
30°-40°	568.5	15.8
40°-50°	820.2	22.8
50°-60°	967.5	26.9
60°-70°	431.6	12.0
70°-80°	37.1	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°	3592.3	100.0
0°-180°	3592.3	100.0

Coefficient of Utilization



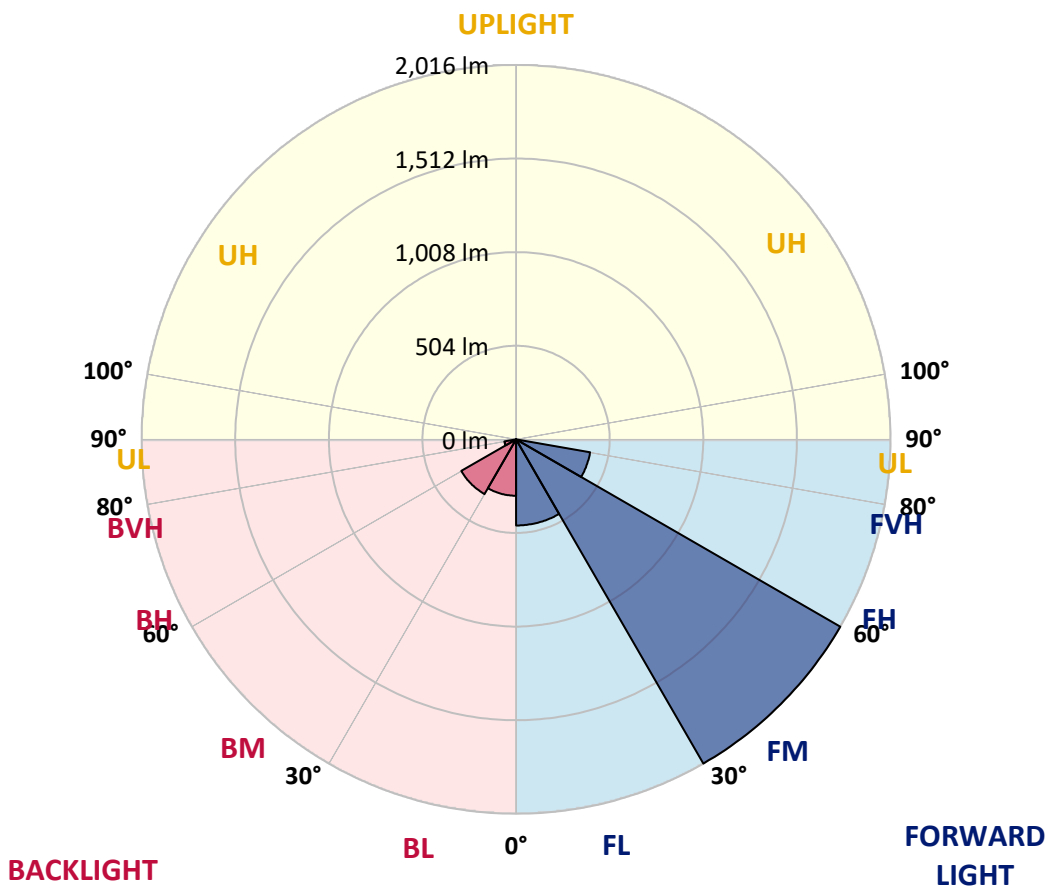
REPORT NUMBER: P630439

CATALOG NUMBER: GWS-SA1D-760-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.8	12.9			
FM (30°-60°)	2015.9	56.1			
FH (60°-80°)	404.8	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	303.5	8.4	B1/500		
BM (30°-60°)	340.4	9.5	B1/1000		
BH (60°-80°)	63.9	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





REPORT NUMBER: P630439

CATALOG NUMBER: GWS-SA1D-760-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4
2.5°	1170.9	1171.8	1172.2	1184.1	1188.5	1206.0	1215.2	1220.0	1232.8	1247.7	1259.9
5°	1092.4	1091.1	1093.3	1108.2	1117.9	1143.7	1157.8	1167.4	1195.5	1230.6	1259.9
7.5°	1024.0	1026.6	1029.3	1045.5	1060.0	1088.0	1108.2	1122.7	1161.7	1213.9	1263.4
10°	975.8	975.8	979.7	998.1	1015.2	1049.9	1070.1	1088.5	1135.0	1199.0	1267.4
12.5°	940.2	940.7	945.5	966.6	986.3	1022.2	1043.3	1061.3	1112.6	1184.1	1268.3
15°	923.6	922.3	926.2	948.6	970.5	1004.3	1026.2	1043.7	1096.8	1175.7	1272.7
17.5°	919.2	918.3	921.4	943.3	965.7	998.6	1020.1	1037.6	1094.6	1178.4	1285.8
20°	931.9	930.2	928.8	947.7	968.7	1001.2	1023.6	1043.3	1105.1	1192.8	1306.0
22.5°	962.2	962.2	959.1	968.3	982.3	1011.7	1035.0	1060.8	1132.8	1221.8	1335.8
25°	1017.9	1013.5	1007.8	1011.7	1010.0	1028.4	1056.0	1092.0	1184.9	1269.6	1372.2
27.5°	1081.5	1085.4	1075.8	1076.2	1060.8	1054.3	1086.3	1140.7	1262.6	1337.1	1426.1
30°	1167.8	1164.8	1165.2	1163.9	1128.4	1097.2	1131.9	1204.2	1360.4	1440.2	1496.3
32.5°	1235.4	1239.8	1254.2	1262.6	1216.1	1166.1	1202.9	1290.6	1471.8	1557.7	1582.3
35°	1306.9	1314.8	1344.1	1371.3	1332.3	1274.9	1314.3	1405.1	1576.6	1673.9	1680.9
37.5°	1382.3	1398.1	1433.2	1481.0	1474.8	1424.0	1459.9	1539.7	1659.0	1744.1	1762.5
40°	1468.7	1484.0	1541.5	1610.3	1624.8	1613.4	1625.2	1671.7	1713.4	1747.2	1797.6
42.5°	1563.4	1584.5	1657.3	1749.4	1803.7	1813.8	1786.2	1781.4	1737.1	1712.1	1790.1
45°	1675.2	1699.8	1782.2	1901.5	1987.9	2001.5	1953.7	1891.9	1752.0	1686.2	1767.8
47.5°	1800.7	1823.9	1905.9	2049.3	2177.8	2183.1	2099.8	2000.2	1796.3	1716.0	1784.9
50°	1842.8	1857.2	1928.3	2096.7	2333.5	2373.8	2253.2	2122.1	1885.3	1803.7	1868.2
52.5°	1698.0	1703.7	1765.6	1935.7	2301.9	2561.1	2477.3	2304.1	2043.6	1937.5	1996.7
55°	1345.5	1336.2	1386.2	1542.4	2000.6	2522.9	2680.4	2590.0	2247.5	2094.5	2163.8
57.5°	941.1	930.2	918.8	1024.4	1492.8	2138.8	2469.9	2630.0	2441.8	2250.2	2344.0
60°	773.6	763.1	707.8	659.1	902.5	1535.8	1897.1	2198.4	2426.0	2242.3	2338.3
62.5°	668.3	662.2	639.8	573.6	531.1	876.7	1188.0	1476.6	1861.6	1760.8	1766.0
65°	524.9	523.2	538.5	545.6	469.7	485.0	606.1	767.5	1006.5	949.0	899.9
67.5°	358.7	354.8	383.7	471.9	451.7	382.8	354.8	357.9	435.5	266.2	211.4
70°	228.0	218.8	219.3	292.5	367.5	302.2	273.7	240.8	216.6	39.5	44.7
72.5°	146.0	140.3	120.6	132.0	170.2	147.4	148.7	128.1	85.5	21.1	24.6
75°	61.4	56.6	43.4	34.6	34.2	21.5	18.9	17.5	11.8	11.8	12.7
77.5°	0.4	0.0	0.0	0.4	0.9	0.4	0.4	0.9	1.8	2.6	3.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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



REPORT NUMBER: P630439

CATALOG NUMBER: GWS-SA1D-760-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4	1260.4
2.5°	1267.4	1256.9	1268.7	1273.1	1272.7	1273.1	1260.4	1251.6	1251.2	1240.2	1234.9
5°	1272.2	1263.9	1272.7	1267.0	1253.4	1236.3	1213.5	1193.7	1184.9	1172.2	1166.1
7.5°	1281.4	1272.7	1271.3	1248.5	1214.8	1178.8	1138.5	1102.5	1083.2	1060.0	1061.3
10°	1288.0	1277.9	1260.8	1214.3	1158.2	1100.7	1040.7	987.2	953.4	922.3	917.0
12.5°	1290.6	1275.7	1235.8	1165.7	1086.7	1011.7	923.6	847.3	794.6	753.9	748.2
15°	1295.5	1271.3	1203.8	1106.9	998.6	892.4	780.2	675.8	606.1	559.1	563.1
17.5°	1302.9	1266.5	1167.8	1041.1	903.8	753.9	602.1	482.4	418.4	391.2	391.6
20°	1313.4	1260.8	1128.4	968.7	790.3	597.3	421.0	330.7	312.7	311.8	310.5
22.5°	1327.5	1255.1	1086.3	889.4	655.6	418.4	280.2	252.2	259.6	274.1	276.7
25°	1344.1	1248.1	1039.4	799.9	508.7	274.5	210.1	205.7	223.7	243.0	247.3
27.5°	1370.0	1244.6	985.8	698.2	357.0	196.9	171.9	174.5	190.8	207.0	210.9
30°	1413.9	1251.2	927.5	584.1	229.4	157.0	149.1	153.1	161.8	170.2	173.7
32.5°	1473.5	1270.5	871.0	459.6	163.6	136.4	134.6	136.8	140.3	145.2	146.5
35°	1543.2	1303.8	812.6	328.9	135.1	124.5	122.8	122.8	124.5	125.4	125.9
37.5°	1600.7	1338.9	757.8	218.8	121.0	115.3	112.7	111.4	111.0	111.8	112.3
40°	1625.7	1353.4	698.2	159.2	111.0	107.0	103.1	99.1	99.1	102.2	102.6
42.5°	1608.1	1337.1	629.3	131.6	103.9	98.2	92.1	88.6	90.3	93.4	94.3
45°	1570.9	1297.2	553.4	116.2	96.9	89.5	82.4	80.3	82.0	86.0	86.8
47.5°	1564.7	1270.9	462.7	106.1	89.5	82.0	74.6	72.4	74.6	77.6	78.5
50°	1625.7	1293.7	361.8	97.4	82.4	74.1	68.0	65.8	67.1	68.9	69.7
52.5°	1737.1	1378.3	292.1	89.0	74.1	66.2	62.3	59.6	59.6	61.4	61.8
55°	1901.5	1526.1	252.2	79.4	64.5	60.1	56.6	53.9	53.9	54.8	55.3
57.5°	2091.0	1705.1	261.4	66.7	56.6	54.4	51.3	49.1	50.0	50.0	50.0
60°	2064.7	1691.9	279.8	56.1	50.0	49.1	46.5	45.6	47.8	46.0	45.2
62.5°	1520.9	1168.7	146.5	46.0	43.0	42.1	40.3	42.1	45.2	40.3	38.6
65°	738.5	565.7	58.8	37.7	36.4	35.5	34.6	37.3	39.0	31.6	29.8
67.5°	173.7	141.2	38.2	32.0	30.3	28.5	29.4	29.8	28.5	21.5	20.6
70°	45.2	44.3	29.8	26.8	24.1	22.4	22.4	21.9	18.9	13.6	12.7
72.5°	24.6	24.1	21.5	20.2	16.7	14.9	15.3	13.6	10.5	7.9	7.5
75°	12.3	13.2	12.3	11.4	9.2	8.3	8.3	7.5	5.3	3.1	3.1
77.5°	2.6	3.1	3.1	2.6	2.2	1.8	1.8	2.2	0.9	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	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)