

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: P631103

Luminaire Tested: GWS-SA1F-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3629.7 lumens
Efficiency: N/A
Efficacy: 54.0 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

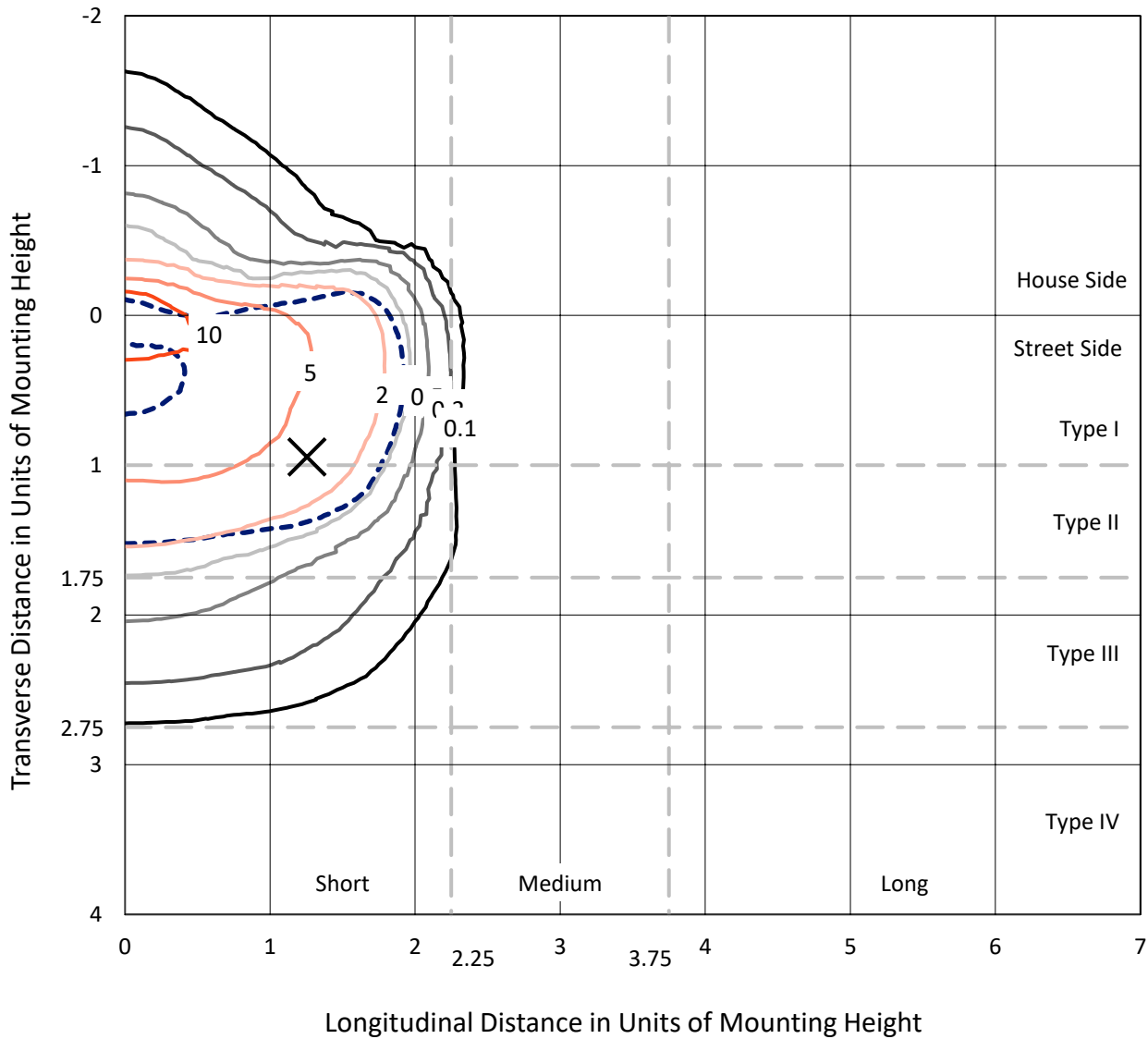
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

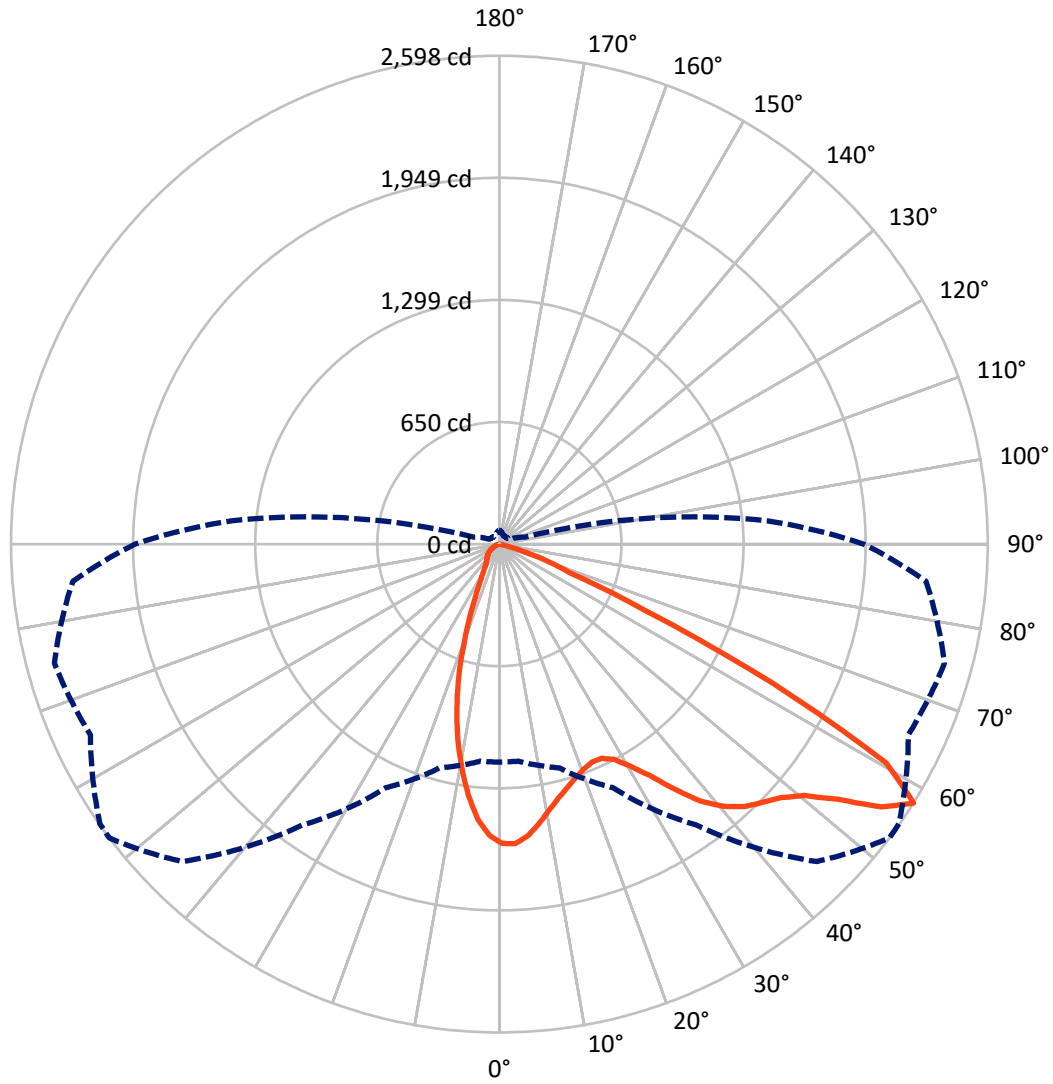
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	599.6	0.0	599.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3030.1	0.0	3030.1
	% Fixture	83.5	0.0	83.5
Total	Lumens	3629.7	0.0	3629.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	3.8
10°-20°	299.1	8.2
20°-30°	389.6	10.7
30°-40°	565.1	15.6
40°-50°	815.4	22.5
50°-60°	986.2	27.2
60°-70°	401.9	11.1
70°-80°	36.1	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°	3629.7	100.0
0°-180°	3629.7	100.0

Coefficient of Utilization



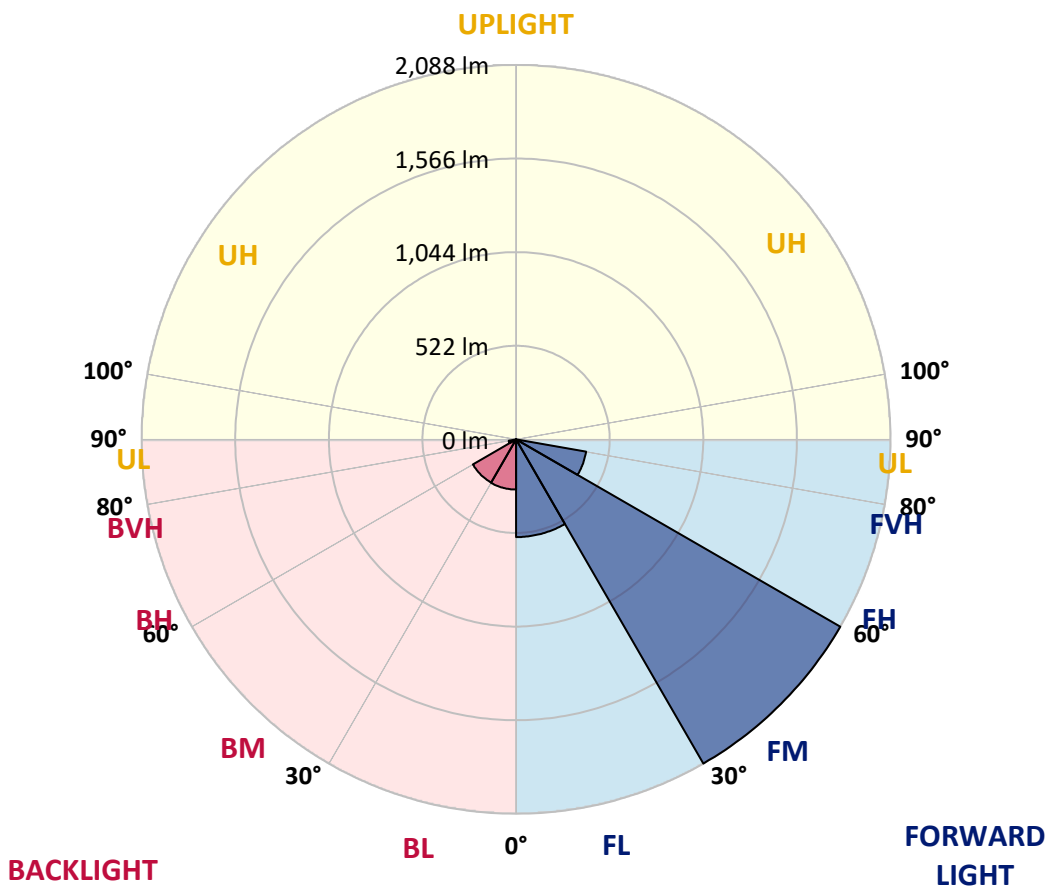
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	545.1	15.0			
FM (30°-60°)	2088.5	57.5			
FH (60°-80°)	396.6	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	279.8	7.7	B1/500		
BM (30°-60°)	278.3	7.7	B1/1000		
BH (60°-80°)	41.4	1.1	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°	53°	55°	65°	75°	85°
0°	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2
2.5°	1569.9	1573.5	1579.7	1587.7	1593.1	1595.8	1595.8	1603.3	1598.4	1594.4	1590.0
5°	1502.8	1506.3	1514.8	1527.7	1540.6	1549.9	1560.6	1568.6	1571.7	1571.7	1564.2
7.5°	1408.0	1412.9	1418.2	1436.0	1464.1	1485.0	1503.2	1514.8	1531.7	1537.0	1526.4
10°	1306.1	1311.0	1323.0	1347.5	1379.5	1410.7	1441.8	1456.5	1485.4	1500.5	1488.5
12.5°	1219.8	1222.1	1238.1	1267.4	1308.4	1351.1	1388.9	1404.0	1444.9	1467.6	1453.4
15°	1148.7	1150.0	1166.0	1198.5	1245.6	1298.1	1345.7	1361.3	1411.6	1445.8	1424.5
17.5°	1094.8	1095.3	1109.1	1144.2	1193.6	1251.9	1308.4	1327.5	1392.4	1433.8	1401.8
20°	1067.7	1066.4	1076.1	1106.8	1153.6	1211.8	1278.6	1302.1	1381.8	1432.0	1384.4
22.5°	1068.1	1065.0	1069.0	1090.8	1130.4	1185.1	1259.9	1286.6	1382.7	1439.6	1369.8
25°	1093.5	1089.0	1089.9	1101.5	1129.5	1179.4	1262.5	1291.0	1400.5	1465.0	1364.4
27.5°	1136.2	1131.3	1131.3	1137.1	1152.2	1197.6	1295.9	1328.4	1448.1	1514.3	1375.5
30°	1191.4	1186.5	1184.7	1190.5	1202.9	1244.7	1370.2	1404.0	1529.5	1595.3	1411.1
32.5°	1254.5	1248.8	1251.9	1259.9	1271.9	1329.7	1465.8	1510.8	1631.3	1704.3	1475.2
35°	1321.3	1316.4	1330.6	1348.0	1366.6	1447.6	1598.0	1637.1	1756.4	1840.0	1573.1
37.5°	1384.9	1382.7	1412.5	1448.9	1487.6	1589.1	1732.3	1762.6	1863.6	1987.7	1692.7
40°	1448.5	1448.1	1499.2	1563.3	1625.1	1730.1	1834.2	1859.1	1929.0	2102.5	1807.5
42.5°	1519.7	1519.7	1590.4	1675.8	1758.1	1849.3	1908.9	1920.1	1958.3	2168.7	1893.8
45°	1587.7	1591.7	1673.6	1772.8	1870.2	1942.3	1960.5	1961.4	1970.3	2207.9	1965.4
47.5°	1641.6	1645.1	1743.0	1857.3	1962.3	2013.0	2015.7	2011.7	2001.9	2245.3	2020.6
50°	1685.2	1690.5	1792.8	1913.8	2025.5	2081.1	2101.6	2097.6	2072.7	2285.3	2059.3
52.5°	1706.5	1714.1	1810.2	1941.9	2095.8	2197.7	2254.6	2263.9	2178.5	2307.5	2096.2
55°	1535.7	1546.8	1635.3	1815.5	2134.9	2377.8	2467.3	2465.5	2293.3	2373.8	2186.1
57.5°	1159.8	1158.9	1232.3	1429.4	1823.5	2388.1	2598.0	2594.5	2400.5	2450.8	2278.2
60°	789.6	784.3	803.9	899.1	1275.0	1945.4	2364.5	2412.5	2324.5	2263.9	1934.3
62.5°	650.0	645.1	638.8	612.6	732.3	1211.8	1633.6	1706.5	1695.0	1573.5	1213.2
65°	532.1	536.1	553.4	542.3	509.4	621.5	847.9	891.1	814.6	685.5	424.0
67.5°	392.4	394.2	416.8	475.6	457.8	413.7	399.0	406.2	238.0	109.4	70.7
70°	231.8	233.1	254.0	332.8	371.5	317.6	269.6	265.6	94.3	29.4	32.0
72.5°	131.2	128.6	132.6	158.4	202.4	168.6	138.8	126.3	28.5	16.5	16.5
75°	62.3	60.5	52.0	48.9	44.5	28.5	17.8	15.1	7.1	6.7	6.7
77.5°	0.4	1.3	0.9	1.3	1.3	0.9	0.4	0.4	1.3	1.3	1.8
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2	1592.2
2.5°	1582.0	1568.6	1565.5	1564.6	1552.2	1538.8	1525.0	1519.7	1511.7	1506.8	1510.8
5°	1552.2	1533.0	1516.1	1500.5	1473.0	1442.7	1416.5	1399.6	1383.5	1372.9	1375.5
7.5°	1509.9	1485.0	1446.3	1406.7	1356.0	1310.6	1259.9	1228.7	1199.8	1183.8	1191.4
10°	1465.0	1432.0	1370.2	1303.0	1223.4	1152.2	1079.7	1020.5	986.3	953.8	957.4
12.5°	1420.9	1377.3	1284.8	1182.9	1082.4	977.4	867.9	786.1	730.0	689.6	683.3
15°	1380.0	1323.9	1201.6	1067.2	930.2	790.5	650.8	533.8	468.9	428.9	426.2
17.5°	1343.5	1274.1	1115.3	946.2	774.5	595.7	435.1	347.4	310.1	292.7	290.9
20°	1308.4	1223.8	1027.2	823.5	604.6	418.2	300.3	259.8	247.8	240.7	241.6
22.5°	1274.6	1169.1	934.7	687.3	453.3	293.6	232.7	217.1	215.8	216.7	217.1
25°	1246.1	1118.9	839.5	556.1	323.4	223.8	194.4	190.0	194.0	199.7	200.6
27.5°	1231.4	1077.9	746.5	424.0	234.0	182.0	168.6	170.4	177.5	183.7	184.6
30°	1235.4	1047.2	650.4	307.4	180.2	153.5	149.0	152.6	159.7	165.5	166.4
32.5°	1263.9	1031.7	552.1	223.8	148.1	133.9	132.1	134.8	141.0	145.5	145.9
35°	1320.4	1035.2	458.7	171.3	127.2	119.2	118.8	120.6	123.7	126.8	127.2
37.5°	1403.6	1064.1	366.6	142.4	115.2	109.4	107.7	107.7	109.9	111.2	112.1
40°	1493.0	1107.7	293.6	125.9	106.8	100.5	97.0	95.6	97.4	99.2	99.7
42.5°	1566.8	1151.3	238.5	114.3	100.1	91.6	87.2	86.3	88.5	91.6	92.5
45°	1623.3	1185.1	198.9	105.0	92.5	83.2	78.3	78.3	82.3	87.6	88.5
47.5°	1674.9	1212.3	169.5	96.5	85.4	75.6	70.7	71.6	78.3	85.4	86.7
50°	1710.1	1234.1	147.7	89.0	79.6	69.4	65.0	66.7	74.7	83.2	84.5
52.5°	1747.9	1260.8	133.5	82.3	74.3	64.5	60.5	61.8	70.7	80.1	81.9
55°	1852.4	1350.2	133.0	73.4	65.0	57.8	56.1	56.5	65.4	76.1	78.3
57.5°	1937.9	1428.9	141.9	61.8	54.3	50.7	49.8	50.3	58.3	70.3	73.0
60°	1603.3	1110.4	117.4	51.2	45.4	44.5	43.2	44.0	51.6	62.3	64.5
62.5°	948.9	634.8	56.1	39.1	38.7	37.8	36.5	38.3	45.4	54.7	56.1
65°	324.3	188.2	35.6	32.0	32.9	31.6	30.3	32.0	38.3	43.6	44.0
67.5°	62.3	49.8	28.5	26.7	27.1	24.5	24.0	25.8	29.4	30.3	29.8
70°	32.5	28.9	21.8	21.8	20.9	17.3	17.3	19.1	19.1	17.8	17.3
72.5°	16.9	16.0	14.2	16.0	13.3	10.7	10.7	11.6	10.7	8.9	8.9
75°	6.7	6.7	6.2	8.0	5.8	4.9	4.4	5.3	4.0	3.1	3.1
77.5°	1.8	1.8	1.8	2.2	1.3	1.3	0.9	0.9	0.4	0.0	0.0
80°	0.0	0.4	0.0	0.4	0.0	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)