

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: P630333

Luminaire Tested: GWS-SA1D-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630333
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-SA1D-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3546.7 lumens
Efficiency: N/A
Efficacy: 80.1 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

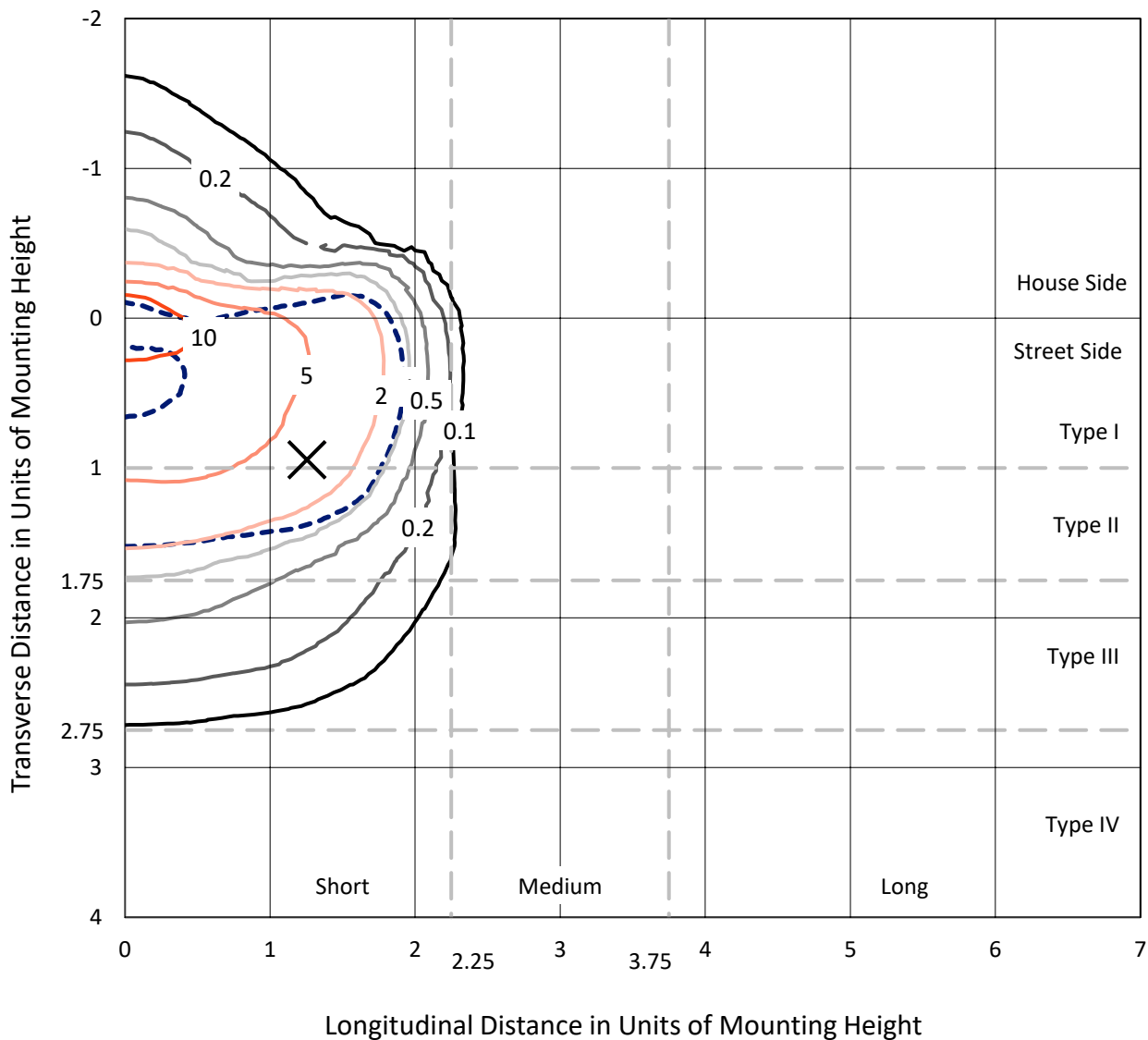
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

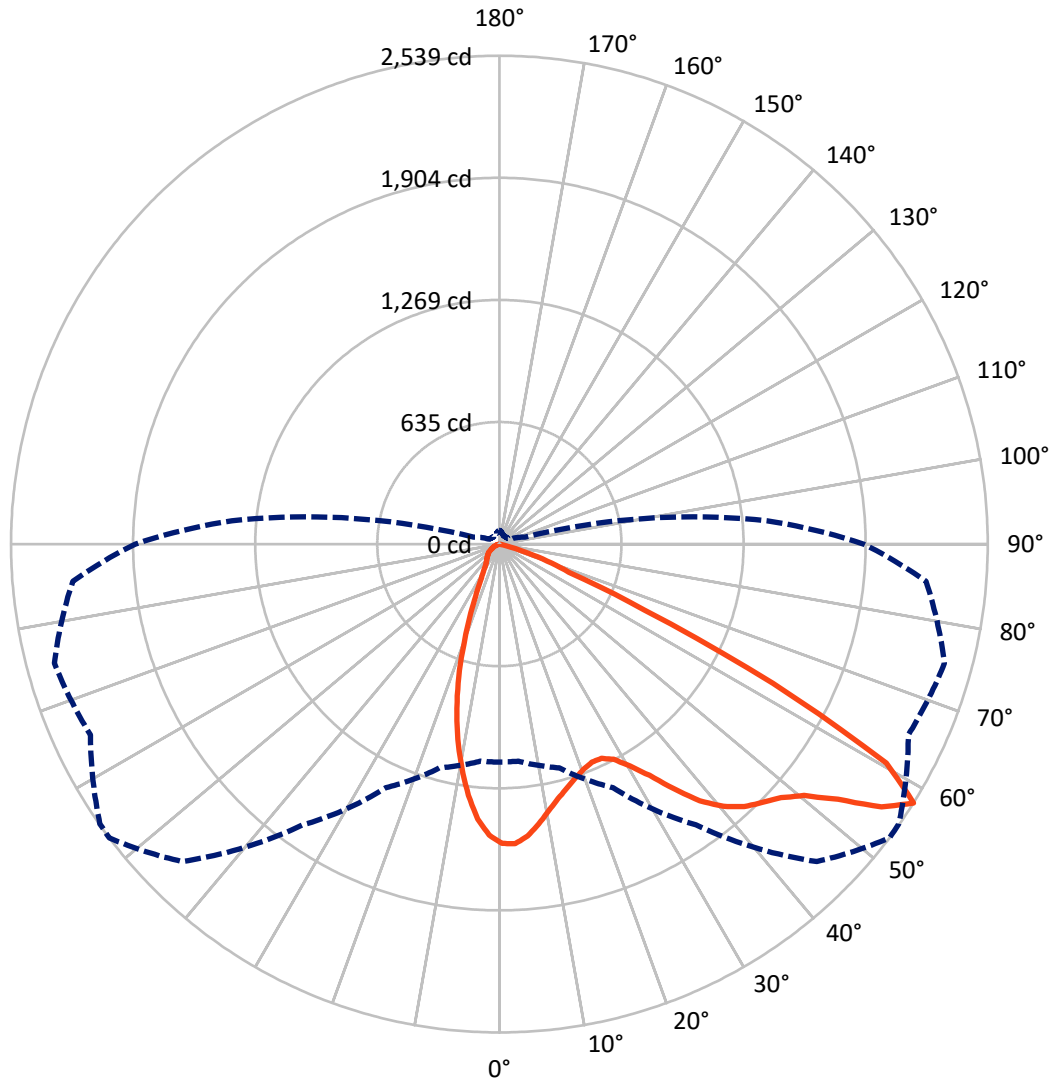
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 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	585.9	0.0	585.9
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2960.8	0.0	2960.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	3546.7	0.0	3546.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.1	3.8
10°-20°	292.2	8.2
20°-30°	380.7	10.7
30°-40°	552.2	15.6
40°-50°	796.8	22.5
50°-60°	963.6	27.2
60°-70°	392.7	11.1
70°-80°	35.3	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°	3546.7	100.0
0°-180°	3546.7	100.0

Coefficient of Utilization



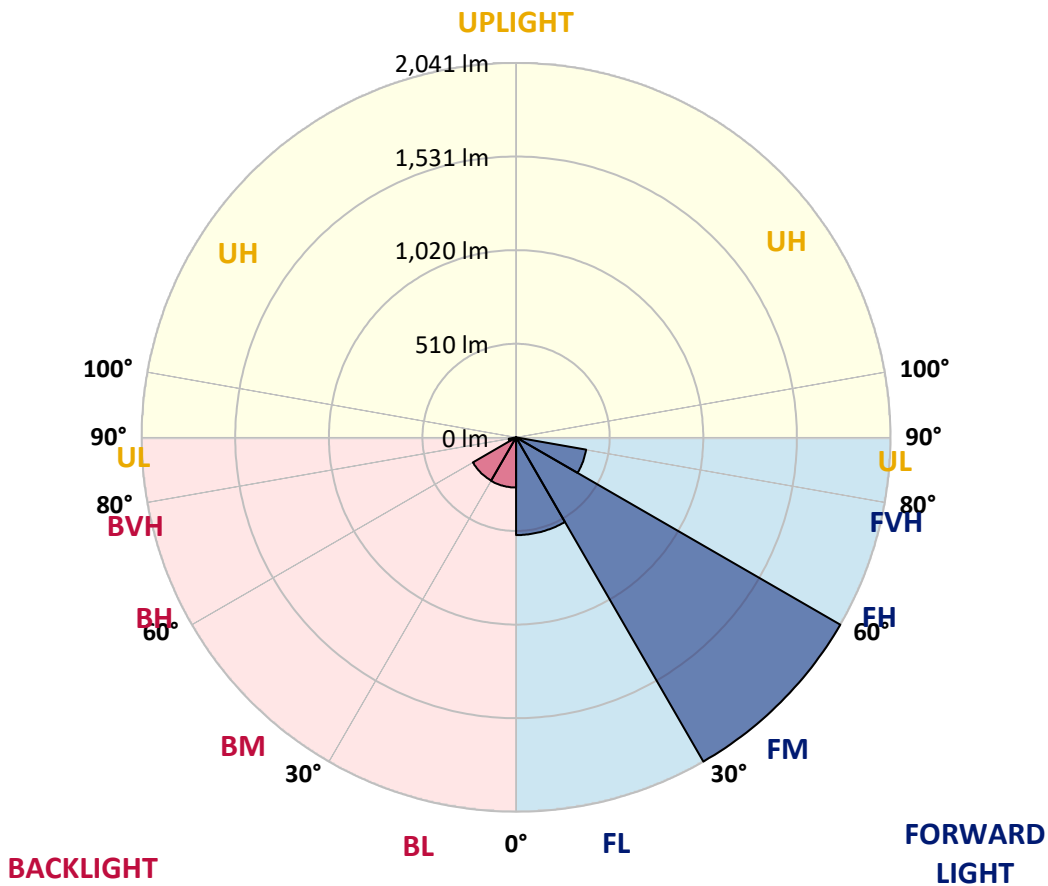
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.6	15.0			
FM (30°-60°)	2040.7	57.5			
FH (60°-80°)	387.5	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	273.4	7.7	B1/500		
BM (30°-60°)	271.9	7.7	B1/1000		
BH (60°-80°)	40.5	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°	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8
2.5°	1534.0	1537.5	1543.6	1551.4	1556.7	1559.3	1559.3	1566.7	1561.9	1558.0	1553.6
5°	1468.4	1471.9	1480.1	1492.8	1505.4	1514.5	1524.9	1532.7	1535.8	1535.8	1528.4
7.5°	1375.8	1380.6	1385.8	1403.2	1430.6	1451.0	1468.8	1480.1	1496.7	1501.9	1491.4
10°	1276.3	1281.1	1292.8	1316.7	1348.0	1378.4	1408.9	1423.2	1451.5	1466.2	1454.5
12.5°	1191.9	1194.1	1209.8	1238.5	1278.4	1320.2	1357.1	1371.9	1411.9	1434.1	1420.2
15°	1122.4	1123.7	1139.3	1171.1	1217.2	1268.4	1315.0	1330.2	1379.3	1412.8	1391.9
17.5°	1069.8	1070.2	1083.7	1118.0	1166.3	1223.2	1278.4	1297.1	1360.6	1401.0	1369.7
20°	1043.3	1042.0	1051.5	1081.5	1127.2	1184.1	1249.3	1272.4	1350.2	1399.3	1352.8
22.5°	1043.7	1040.7	1044.6	1065.9	1104.6	1158.0	1231.1	1257.1	1351.0	1406.7	1338.4
25°	1068.5	1064.1	1065.0	1076.3	1103.7	1152.4	1233.7	1261.5	1368.4	1431.5	1333.2
27.5°	1110.2	1105.4	1105.4	1111.1	1125.9	1170.2	1266.3	1298.0	1414.9	1479.7	1344.1
30°	1164.1	1159.3	1157.6	1163.3	1175.4	1216.3	1338.9	1371.9	1494.5	1558.8	1378.9
32.5°	1225.8	1220.2	1223.2	1231.1	1242.8	1299.3	1432.3	1476.2	1594.0	1665.3	1441.5
35°	1291.1	1286.3	1300.2	1317.1	1335.4	1414.5	1561.4	1599.7	1716.2	1797.9	1537.1
37.5°	1353.2	1351.0	1380.2	1415.8	1453.6	1552.7	1692.7	1722.3	1821.0	1942.2	1654.0
40°	1415.4	1414.9	1464.9	1527.5	1588.0	1690.5	1792.3	1816.6	1884.9	2054.4	1766.2
42.5°	1484.9	1484.9	1554.0	1637.5	1717.9	1807.0	1865.3	1876.2	1913.5	2119.2	1850.5
45°	1551.4	1555.4	1635.3	1732.3	1827.5	1897.9	1915.7	1916.6	1925.3	2157.4	1920.5
47.5°	1604.0	1607.5	1703.1	1814.9	1917.5	1967.0	1969.6	1965.7	1956.1	2193.9	1974.4
50°	1646.6	1651.9	1751.8	1870.1	1979.2	2033.5	2053.5	2049.6	2025.3	2233.0	2012.2
52.5°	1667.5	1674.9	1768.8	1897.5	2047.9	2147.4	2203.1	2212.2	2128.7	2254.8	2048.3
55°	1500.6	1511.4	1598.0	1774.0	2086.1	2323.5	2410.8	2409.1	2240.9	2319.5	2136.1
57.5°	1133.3	1132.4	1204.1	1396.7	1781.8	2333.5	2538.6	2535.2	2345.6	2394.8	2226.1
60°	771.6	766.4	785.5	878.5	1245.8	1900.9	2310.4	2357.4	2271.3	2212.2	1890.1
62.5°	635.1	630.3	624.2	598.6	715.5	1184.1	1596.2	1667.5	1656.2	1537.5	1185.4
65°	519.9	523.8	540.8	529.9	497.7	607.3	828.5	870.7	795.9	669.9	414.3
67.5°	383.4	385.1	407.3	464.7	447.3	404.3	389.9	396.9	232.6	106.9	69.1
70°	226.5	227.8	248.2	325.2	363.0	310.4	263.4	259.5	92.2	28.7	31.3
72.5°	128.2	125.6	129.5	154.8	197.8	164.8	135.6	123.5	27.8	16.1	16.1
75°	60.9	59.1	50.9	47.8	43.5	27.8	17.4	14.8	7.0	6.5	6.5
77.5°	0.4	1.3	0.9	1.3	1.3	0.9	0.4	0.4	1.3	1.3	1.7
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°	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8
2.5°	1545.8	1532.7	1529.7	1528.8	1516.7	1503.6	1490.1	1484.9	1477.1	1472.3	1476.2
5°	1516.7	1498.0	1481.5	1466.2	1439.3	1409.7	1384.1	1367.6	1351.9	1341.5	1344.1
7.5°	1475.4	1451.0	1413.2	1374.5	1325.0	1280.6	1231.1	1200.6	1172.4	1156.7	1164.1
10°	1431.5	1399.3	1338.9	1273.2	1195.4	1125.9	1055.0	997.2	963.7	932.0	935.5
12.5°	1388.4	1345.8	1255.4	1155.9	1057.6	955.0	848.1	768.1	713.3	673.8	667.7
15°	1348.4	1293.7	1174.1	1042.8	909.0	772.5	636.0	521.6	458.2	419.0	416.4
17.5°	1312.8	1245.0	1089.8	924.6	756.8	582.1	425.1	339.5	303.0	286.0	284.3
20°	1278.4	1195.9	1003.7	804.6	590.8	408.6	293.4	253.9	242.1	235.2	236.0
22.5°	1245.4	1142.4	913.3	671.6	443.0	286.9	227.3	212.1	210.8	211.7	212.1
25°	1217.6	1093.3	820.3	543.4	316.0	218.7	190.0	185.6	189.5	195.2	196.0
27.5°	1203.2	1053.3	729.4	414.3	228.7	177.8	164.8	166.5	173.4	179.5	180.4
30°	1207.2	1023.3	635.5	300.4	176.1	150.0	145.6	149.1	156.1	161.7	162.6
32.5°	1235.0	1008.1	539.5	218.7	144.8	130.8	129.1	131.7	137.8	142.1	142.6
35°	1290.2	1011.5	448.2	167.4	124.3	116.5	116.1	117.8	120.8	123.9	124.3
37.5°	1371.5	1039.8	358.2	139.1	112.6	106.9	105.2	105.2	107.4	108.7	109.5
40°	1458.8	1082.4	286.9	123.0	104.3	98.2	94.8	93.5	95.2	96.9	97.4
42.5°	1531.0	1125.0	233.0	111.7	97.8	89.5	85.2	84.3	86.5	89.5	90.4
45°	1586.2	1158.0	194.3	102.6	90.4	81.3	76.5	76.5	80.4	85.6	86.5
47.5°	1636.6	1184.6	165.6	94.3	83.5	73.9	69.1	70.0	76.5	83.5	84.8
50°	1671.0	1205.9	144.3	86.9	77.8	67.8	63.5	65.2	73.0	81.3	82.6
52.5°	1707.9	1231.9	130.4	80.4	72.6	63.0	59.1	60.4	69.1	78.2	80.0
55°	1810.1	1319.3	130.0	71.7	63.5	56.5	54.8	55.2	63.9	74.3	76.5
57.5°	1893.5	1396.3	138.7	60.4	53.0	49.6	48.7	49.1	56.9	68.7	71.3
60°	1566.7	1085.0	114.8	50.0	44.3	43.5	42.2	43.0	50.4	60.9	63.0
62.5°	927.2	620.3	54.8	38.3	37.8	36.9	35.6	37.4	44.3	53.5	54.8
65°	316.9	183.9	34.8	31.3	32.2	30.9	29.6	31.3	37.4	42.6	43.0
67.5°	60.9	48.7	27.8	26.1	26.5	23.9	23.5	25.2	28.7	29.6	29.1
70°	31.7	28.3	21.3	21.3	20.4	17.0	17.0	18.7	18.7	17.4	17.0
72.5°	16.5	15.6	13.9	15.6	13.0	10.4	10.4	11.3	10.4	8.7	8.7
75°	6.5	6.5	6.1	7.8	5.7	4.8	4.3	5.2	3.9	3.0	3.0
77.5°	1.7	1.7	1.7	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)