

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: P631374

Luminaire Tested: GWS-SA1F-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631374
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-SA1F-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5060.4 lumens
Efficiency: N/A
Efficacy: 75.3 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

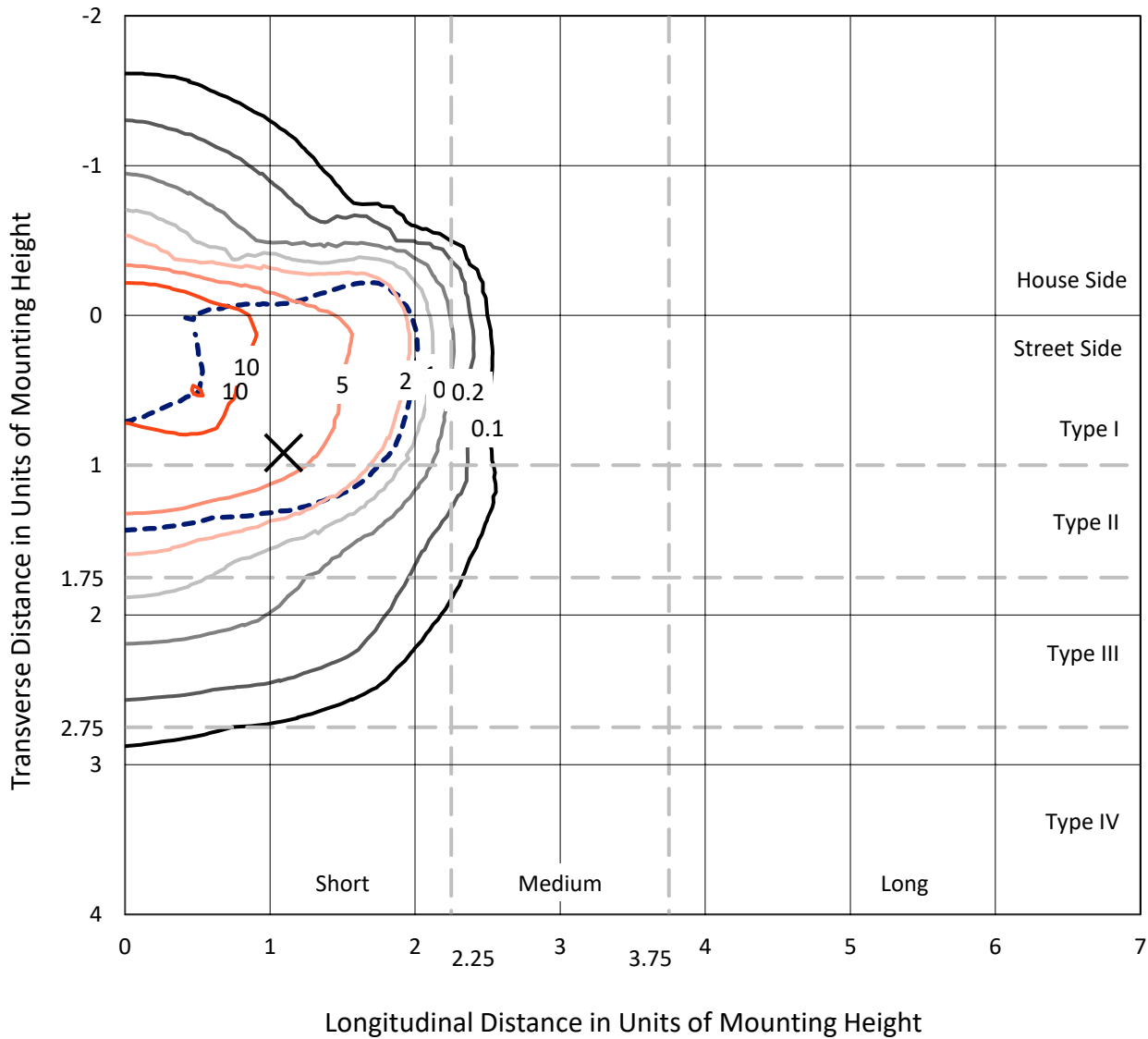
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

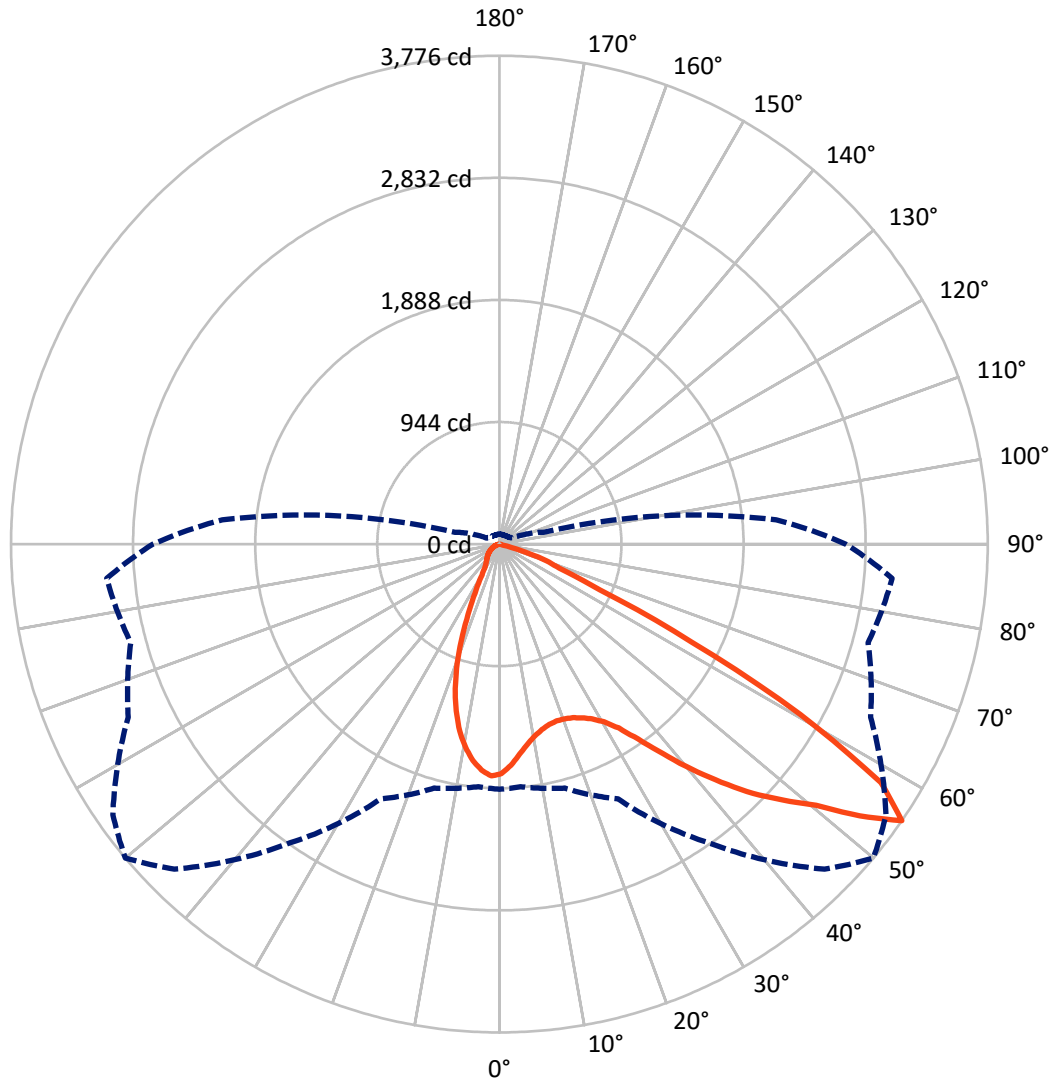
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 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	997.1	0.0	997.1
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	4063.3	0.0	4063.3
	% Fixture	80.3	0.0	80.3
Total	Lumens	5060.4	0.0	5060.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	3.1
10°-20°	383.7	7.6
20°-30°	541.2	10.7
30°-40°	800.9	15.8
40°-50°	1155.4	22.8
50°-60°	1362.9	26.9
60°-70°	608.0	12.0
70°-80°	52.3	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°	5060.4	100.0
0°-180°	5060.4	100.0

Coefficient of Utilization



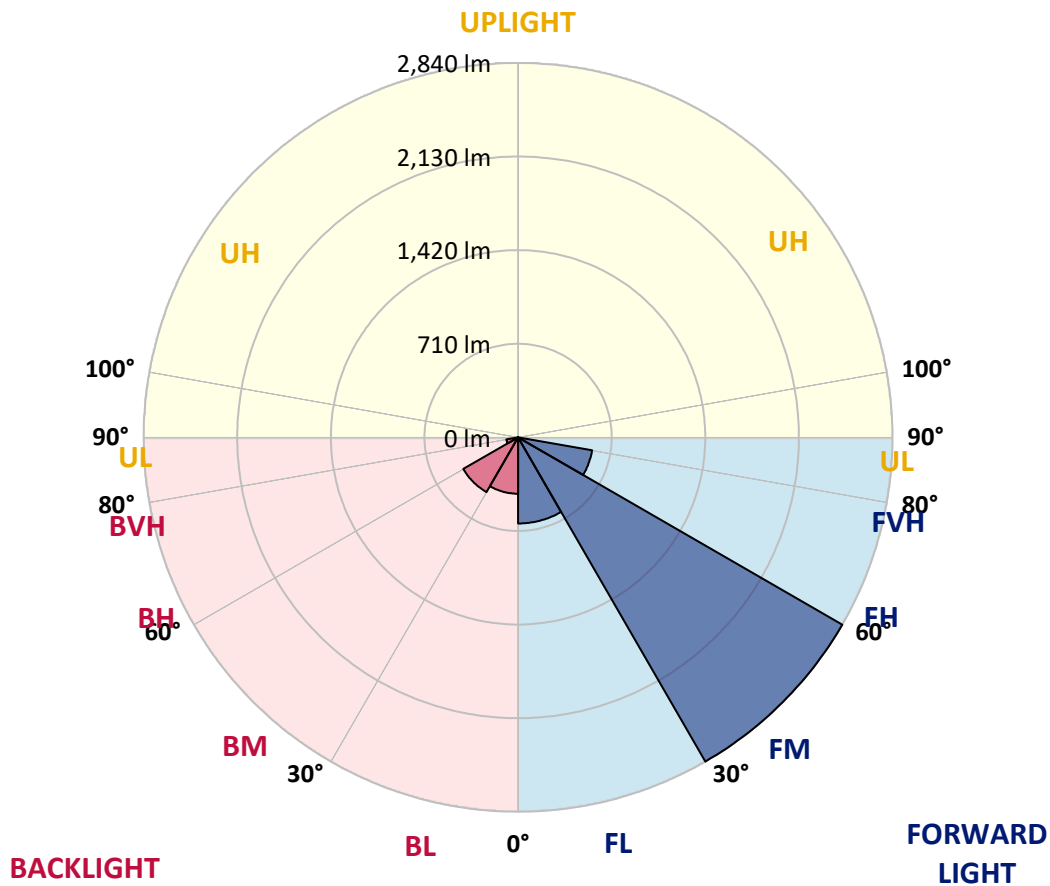
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	653.3	12.9			
FM (30°-60°)	2839.7	56.1			
FH (60°-80°)	570.2	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	427.5	8.4	B1/500		
BM (30°-60°)	479.5	9.5	B1/1000		
BH (60°-80°)	90.0	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°	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5
2.5°	1649.4	1650.7	1651.3	1668.0	1674.2	1698.9	1711.8	1718.6	1736.6	1757.6	1774.9
5°	1538.9	1537.0	1540.1	1561.1	1574.7	1611.1	1630.9	1644.5	1684.0	1733.5	1774.9
7.5°	1442.5	1446.2	1449.9	1472.8	1493.1	1532.7	1561.1	1581.5	1636.5	1710.0	1779.8
10°	1374.5	1374.5	1380.1	1406.0	1430.1	1478.9	1507.4	1533.3	1598.8	1689.0	1785.4
12.5°	1324.5	1325.1	1331.9	1361.6	1389.4	1440.0	1469.7	1495.0	1567.3	1668.0	1786.6
15°	1301.0	1299.2	1304.7	1336.2	1367.1	1414.7	1445.6	1470.3	1545.0	1656.2	1792.8
17.5°	1294.8	1293.6	1297.9	1328.8	1360.3	1406.7	1436.9	1461.6	1542.0	1659.9	1811.3
20°	1312.8	1310.3	1308.4	1335.0	1364.7	1410.4	1441.9	1469.7	1556.8	1680.3	1839.7
22.5°	1355.4	1355.4	1351.1	1364.0	1383.8	1425.2	1457.9	1494.4	1595.7	1721.1	1881.7
25°	1433.8	1427.7	1419.6	1425.2	1422.7	1448.7	1487.6	1538.2	1669.2	1788.4	1933.0
27.5°	1523.4	1529.0	1515.4	1516.0	1494.4	1485.1	1530.2	1606.8	1778.6	1883.6	2009.0
30°	1645.1	1640.8	1641.4	1639.6	1589.5	1545.7	1594.5	1696.4	1916.3	2028.8	2107.8
32.5°	1740.3	1746.4	1766.8	1778.6	1713.1	1642.6	1694.5	1818.1	2073.2	2194.3	2228.9
35°	1841.0	1852.1	1893.5	1931.8	1876.8	1795.9	1851.5	1979.3	2220.9	2358.0	2367.9
37.5°	1947.2	1969.4	2018.9	2086.2	2077.6	2005.9	2056.6	2169.0	2337.0	2456.9	2482.8
40°	2068.9	2090.5	2171.5	2268.4	2288.8	2272.8	2289.5	2354.9	2413.6	2461.2	2532.2
42.5°	2202.3	2232.0	2334.6	2464.3	2540.9	2555.1	2516.2	2509.4	2447.0	2411.8	2521.7
45°	2359.9	2394.5	2510.6	2678.6	2800.3	2819.5	2752.2	2665.1	2468.0	2375.3	2490.2
47.5°	2536.6	2569.3	2684.8	2886.8	3067.8	3075.3	2957.9	2817.6	2530.4	2417.3	2514.3
50°	2595.9	2616.3	2716.3	2953.6	3287.2	3344.0	3174.1	2989.4	2655.8	2540.9	2631.7
52.5°	2392.0	2400.0	2487.1	2726.8	3242.7	3607.8	3489.8	3245.8	2878.8	2729.3	2812.7
55°	1895.3	1882.3	1952.8	2172.7	2818.3	3554.0	3775.8	3648.5	3166.1	2950.5	3048.1
57.5°	1325.7	1310.3	1294.2	1443.1	2102.9	3012.9	3479.3	3704.8	3439.7	3169.8	3302.0
60°	1089.7	1074.9	997.1	928.5	1271.4	2163.4	2672.5	3096.9	3417.5	3158.7	3293.9
62.5°	941.5	932.8	901.3	808.0	748.1	1234.9	1673.5	2080.0	2622.4	2480.3	2487.8
65°	739.5	737.0	758.6	768.5	661.6	683.3	853.8	1081.1	1417.8	1336.9	1267.7
67.5°	505.3	499.8	540.5	664.7	636.3	539.3	499.8	504.1	613.4	375.0	297.8
70°	321.2	308.3	308.9	412.1	517.7	425.6	385.5	339.2	305.2	55.6	63.0
72.5°	205.7	197.7	169.9	185.9	239.7	207.6	209.4	180.4	120.5	29.7	34.6
75°	86.5	79.7	61.2	48.8	48.2	30.3	26.6	24.7	16.7	16.7	17.9
77.5°	0.6	0.0	0.0	0.6	1.2	0.6	0.6	1.2	2.5	3.7	4.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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°	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5	1775.5
2.5°	1785.4	1770.5	1787.2	1793.4	1792.8	1793.4	1775.5	1763.1	1762.5	1747.1	1739.6
5°	1792.1	1780.4	1792.8	1784.7	1765.6	1741.5	1709.4	1681.6	1669.2	1651.3	1642.6
7.5°	1805.1	1792.8	1790.9	1758.8	1711.2	1660.6	1603.7	1553.1	1525.9	1493.1	1495.0
10°	1814.4	1800.2	1776.1	1710.6	1631.5	1550.6	1466.0	1390.6	1343.0	1299.2	1291.8
12.5°	1818.1	1797.1	1740.9	1642.0	1530.8	1425.2	1301.0	1193.5	1119.4	1061.9	1053.9
15°	1824.9	1790.9	1695.8	1559.3	1406.7	1257.2	1099.0	952.0	853.8	787.7	793.2
17.5°	1835.4	1784.1	1645.1	1466.6	1273.2	1061.9	848.2	679.5	589.4	551.1	551.7
20°	1850.2	1776.1	1589.5	1364.7	1113.2	841.4	593.1	465.8	440.5	439.2	437.4
22.5°	1870.0	1768.1	1530.2	1252.8	923.6	589.4	394.8	355.2	365.7	386.1	389.8
25°	1893.5	1758.2	1464.1	1126.8	716.6	386.7	295.9	289.7	315.1	342.2	348.4
27.5°	1929.9	1753.2	1388.7	983.5	502.9	277.4	242.2	245.9	268.7	291.6	297.1
30°	1991.7	1762.5	1306.6	822.9	323.1	221.2	210.0	215.6	228.0	239.7	244.6
32.5°	2075.7	1789.7	1226.9	647.4	230.4	192.1	189.7	192.7	197.7	204.5	206.3
35°	2173.9	1836.6	1144.7	463.3	190.3	175.4	173.0	173.0	175.4	176.7	177.3
37.5°	2254.9	1886.1	1067.5	308.3	170.5	162.5	158.8	156.9	156.3	157.5	158.1
40°	2290.1	1906.4	983.5	224.3	156.3	150.7	145.2	139.6	139.6	143.9	144.6
42.5°	2265.4	1883.6	886.5	185.3	146.4	138.4	129.7	124.8	127.3	131.6	132.8
45°	2212.9	1827.4	779.6	163.7	136.5	126.0	116.1	113.1	115.5	121.1	122.3
47.5°	2204.2	1790.3	651.7	149.5	126.0	115.5	105.0	101.9	105.0	109.3	110.6
50°	2290.1	1822.4	509.7	137.1	116.1	104.4	95.8	92.7	94.5	97.0	98.2
52.5°	2447.0	1941.6	411.4	125.4	104.4	93.3	87.7	84.0	84.0	86.5	87.1
55°	2678.6	2149.8	355.2	111.8	90.8	84.6	79.7	76.0	76.0	77.2	77.8
57.5°	2945.5	2401.9	368.2	93.9	79.7	76.6	72.3	69.2	70.4	70.4	70.4
60°	2908.5	2383.4	394.1	79.1	70.4	69.2	65.5	64.2	67.3	64.9	63.6
62.5°	2142.4	1646.4	206.3	64.9	60.5	59.3	56.8	59.3	63.6	56.8	54.4
65°	1040.3	796.9	82.8	53.1	51.3	50.0	48.8	52.5	55.0	44.5	42.0
67.5°	244.6	198.9	53.7	45.1	42.6	40.2	41.4	42.0	40.2	30.3	29.0
70°	63.6	62.4	42.0	37.7	34.0	31.5	31.5	30.9	26.6	19.2	17.9
72.5°	34.6	34.0	30.3	28.4	23.5	21.0	21.6	19.2	14.8	11.1	10.5
75°	17.3	18.5	17.3	16.1	13.0	11.7	11.7	10.5	7.4	4.3	4.3
77.5°	3.7	4.3	4.3	3.7	3.1	2.5	2.5	3.1	1.2	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	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)