

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: P630883

Luminaire Tested: GWS-SA1E-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630883
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-SA1E-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4533.7 lumens
Efficiency: N/A
Efficacy: 77.6 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

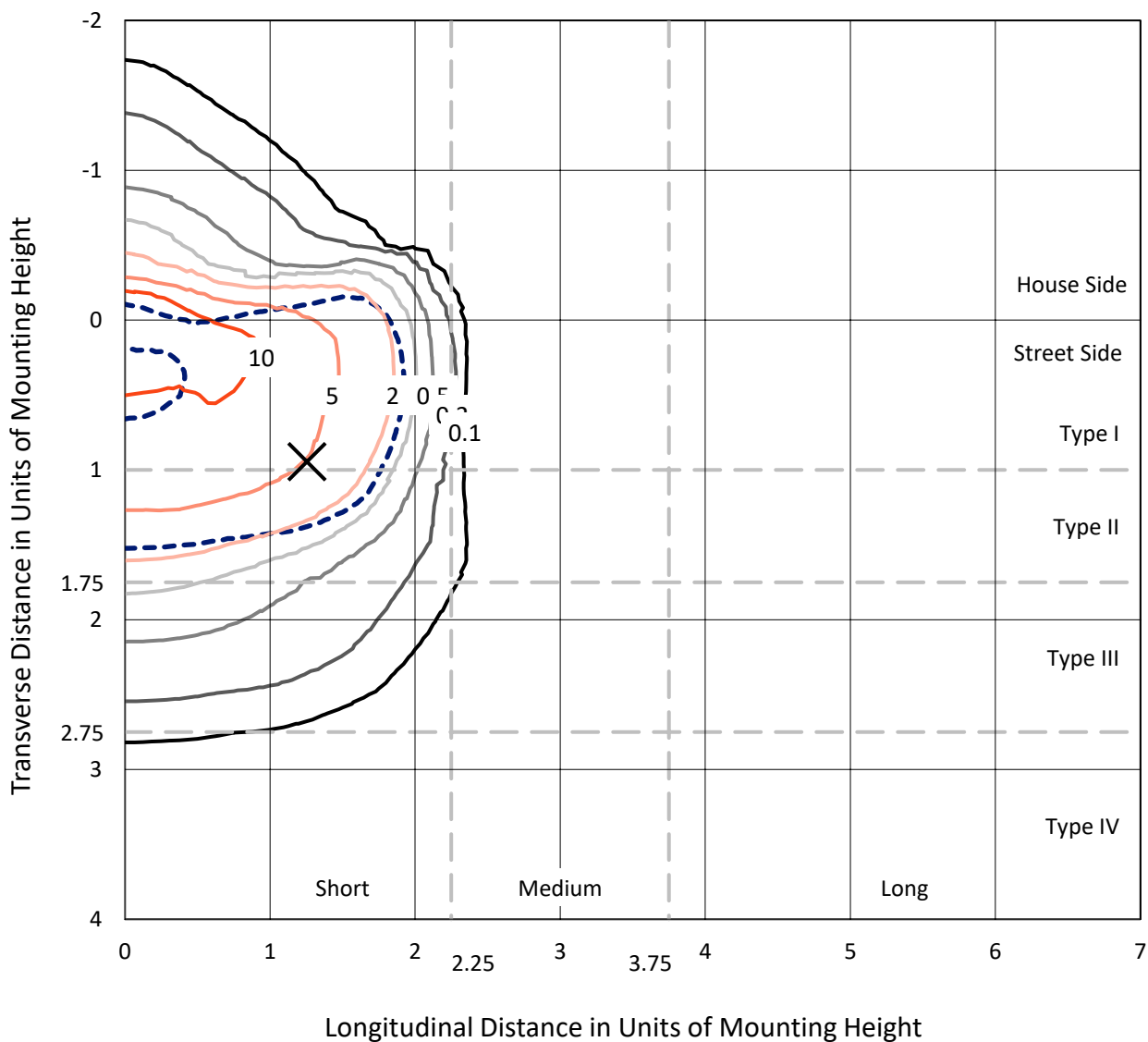
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

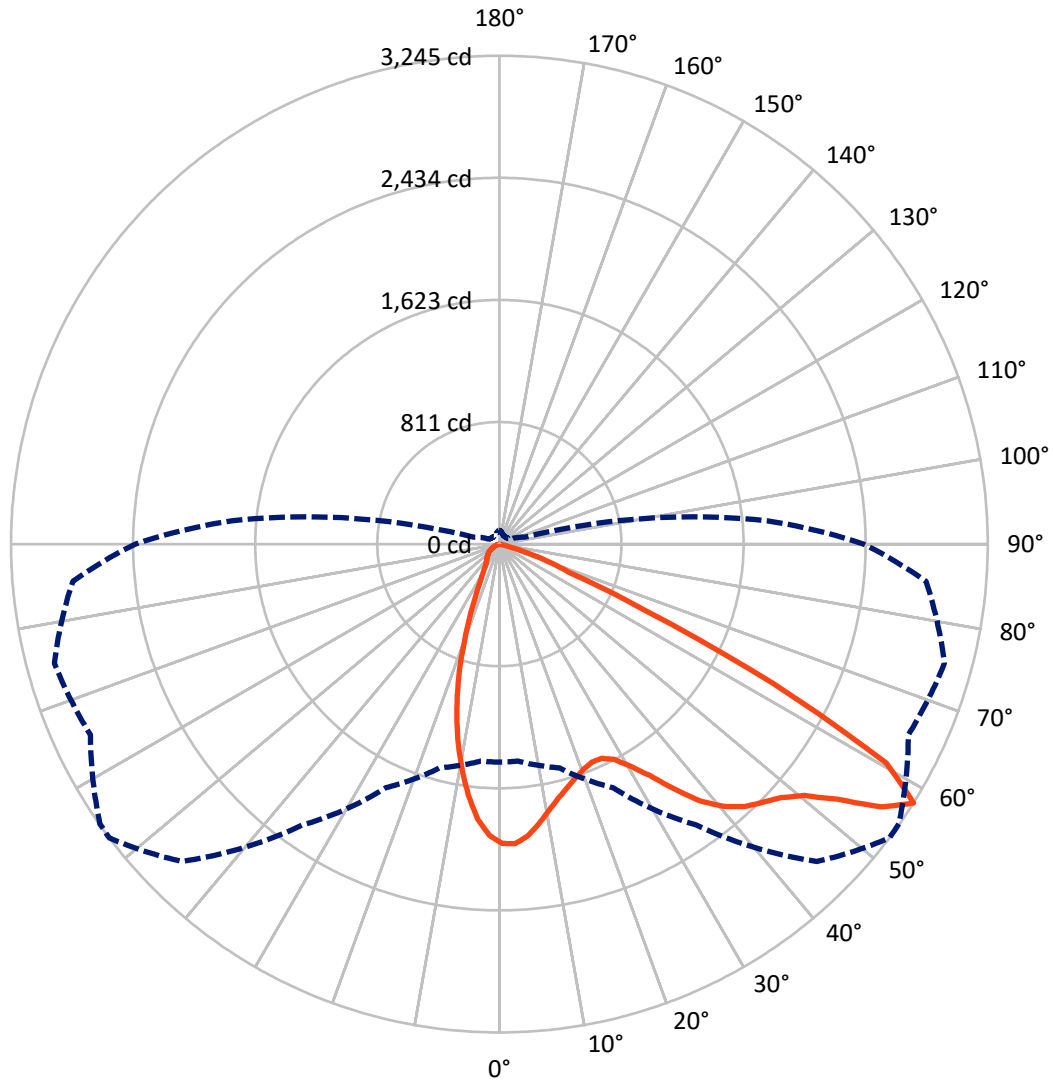
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.9 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	748.9	0.0	748.9
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3784.8	0.0	3784.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	4533.7	0.0	4533.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.2	3.8
10°-20°	373.5	8.2
20°-30°	486.6	10.7
30°-40°	705.9	15.6
40°-50°	1018.5	22.5
50°-60°	1231.8	27.2
60°-70°	502.0	11.1
70°-80°	45.1	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°	4533.7	100.0
0°-180°	4533.7	100.0

Coefficient of Utilization



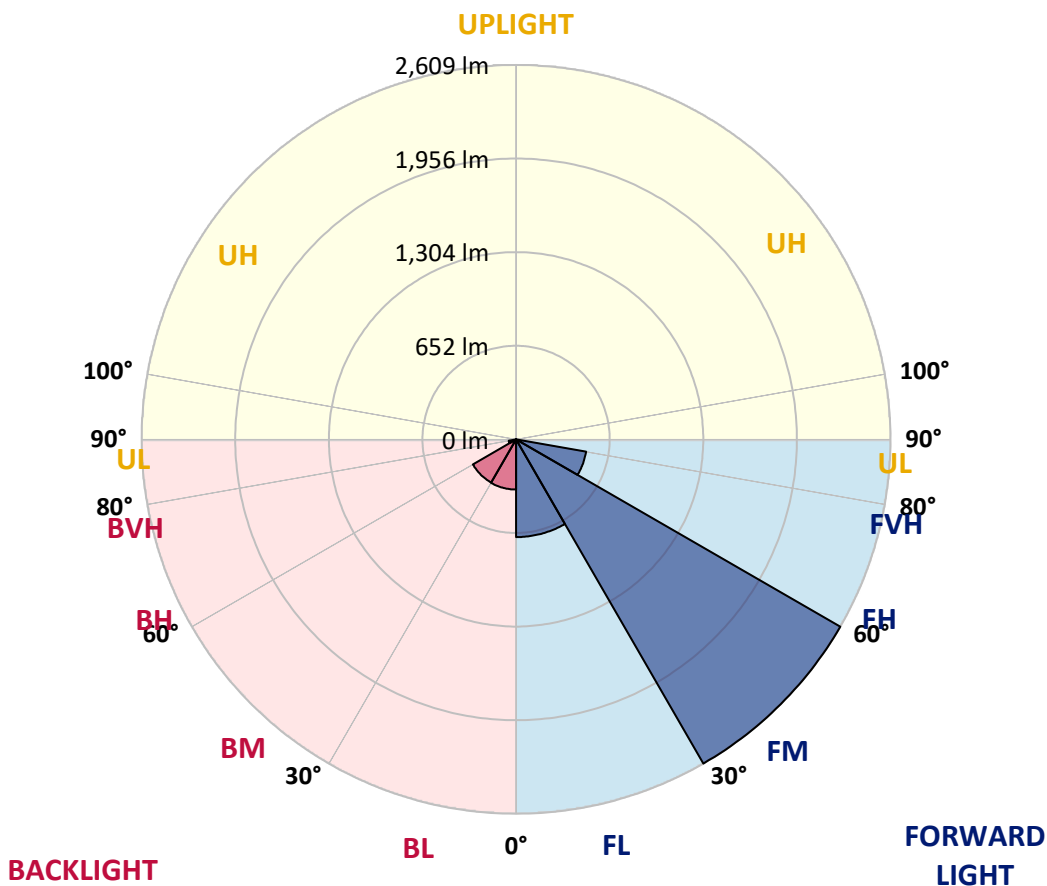
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	680.8	15.0			
FM (30°-60°)	2608.6	57.5			
FH (60°-80°)	495.4	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	349.5	7.7	B1/500		
BM (30°-60°)	347.6	7.7	B1/1000		
BH (60°-80°)	51.8	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°	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7
2.5°	1961.0	1965.4	1973.2	1983.2	1989.9	1993.2	1993.2	2002.6	1996.5	1991.5	1986.0
5°	1877.0	1881.5	1892.1	1908.2	1924.3	1936.0	1949.3	1959.3	1963.2	1963.2	1953.7
7.5°	1758.7	1764.8	1771.5	1793.7	1828.7	1854.8	1877.6	1892.1	1913.2	1919.8	1906.5
10°	1631.4	1637.6	1652.6	1683.1	1723.1	1762.0	1800.9	1819.3	1855.4	1874.3	1859.3
12.5°	1523.6	1526.4	1546.4	1583.1	1634.2	1687.6	1734.8	1753.7	1804.8	1833.2	1815.4
15°	1434.7	1436.4	1456.4	1497.0	1555.9	1621.4	1680.9	1700.3	1763.1	1805.9	1779.3
17.5°	1367.5	1368.1	1385.3	1429.2	1490.9	1563.7	1634.2	1658.1	1739.2	1790.9	1750.9
20°	1333.6	1331.9	1344.2	1382.5	1440.8	1513.6	1597.0	1626.4	1725.9	1788.7	1729.2
22.5°	1334.2	1330.3	1335.3	1362.5	1412.0	1480.3	1573.7	1607.0	1727.0	1798.1	1710.9
25°	1365.8	1360.3	1361.4	1375.8	1410.8	1473.1	1577.0	1612.6	1749.2	1829.8	1704.2
27.5°	1419.2	1413.1	1413.1	1420.3	1439.2	1495.9	1618.7	1659.2	1808.7	1891.5	1718.1
30°	1488.1	1482.0	1479.7	1487.0	1502.5	1554.8	1711.5	1753.7	1910.4	1992.6	1762.6
32.5°	1567.0	1559.8	1563.7	1573.7	1588.7	1660.9	1830.9	1887.1	2037.6	2128.8	1842.6
35°	1650.3	1644.2	1662.0	1683.7	1707.0	1808.1	1996.0	2044.9	2193.8	2298.2	1964.8
37.5°	1729.8	1727.0	1764.2	1809.8	1858.2	1984.8	2163.8	2201.6	2327.7	2482.7	2114.3
40°	1809.3	1808.7	1872.6	1952.6	2029.9	2161.0	2291.0	2322.1	2409.4	2626.1	2257.7
42.5°	1898.2	1898.2	1986.5	2093.2	2196.0	2309.9	2384.4	2398.3	2446.1	2708.9	2365.5
45°	1983.2	1988.2	2090.4	2214.3	2336.0	2426.1	2448.8	2449.9	2461.1	2757.8	2454.9
47.5°	2050.4	2054.9	2177.1	2319.9	2451.1	2514.4	2517.7	2512.7	2500.5	2804.5	2523.8
50°	2104.9	2111.5	2239.3	2390.5	2530.0	2599.4	2625.0	2620.0	2588.9	2854.5	2572.2
52.5°	2131.5	2141.0	2261.0	2425.5	2617.8	2745.0	2816.1	2827.8	2721.1	2882.3	2618.3
55°	1918.2	1932.1	2042.6	2267.7	2666.7	2970.1	3081.7	3079.5	2864.5	2965.0	2730.6
57.5°	1448.6	1447.5	1539.2	1785.4	2277.7	2982.8	3245.1	3240.7	2998.4	3061.2	2845.6
60°	986.3	979.6	1004.1	1123.0	1592.5	2429.9	2953.4	3013.4	2903.4	2827.8	2416.0
62.5°	811.8	805.7	797.9	765.2	914.6	1513.6	2040.4	2131.5	2117.1	1965.4	1515.3
65°	664.6	669.6	691.3	677.4	636.2	776.3	1059.1	1113.0	1017.4	856.3	529.6
67.5°	490.1	492.3	520.7	594.0	571.8	516.8	498.4	507.3	297.3	136.7	88.4
70°	289.5	291.2	317.3	415.6	464.0	396.7	336.7	331.7	117.8	36.7	40.0
72.5°	163.9	160.6	165.6	197.8	252.8	210.6	173.4	157.8	35.6	20.6	20.6
75°	77.8	75.6	65.0	61.1	55.6	35.6	22.2	18.9	8.9	8.3	8.3
77.5°	0.6	1.7	1.1	1.7	1.7	1.1	0.6	0.6	1.7	1.7	2.2
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°	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7	1988.7
2.5°	1976.0	1959.3	1955.4	1954.3	1938.7	1922.1	1904.8	1898.2	1888.2	1882.1	1887.1
5°	1938.7	1914.8	1893.7	1874.3	1839.8	1802.0	1769.3	1748.1	1728.1	1714.8	1718.1
7.5°	1885.9	1854.8	1806.5	1757.0	1693.7	1637.0	1573.7	1534.8	1498.6	1478.6	1488.1
10°	1829.8	1788.7	1711.5	1627.6	1528.1	1439.2	1348.6	1274.7	1231.9	1191.4	1195.8
12.5°	1774.8	1720.4	1604.8	1477.5	1351.9	1220.8	1084.1	981.9	911.9	861.3	853.5
15°	1723.7	1653.7	1500.9	1333.0	1161.9	987.4	812.9	666.8	585.7	535.7	532.3
17.5°	1678.1	1591.4	1393.1	1181.9	967.4	744.0	543.4	434.0	387.3	365.6	363.4
20°	1634.2	1528.6	1283.0	1028.5	755.2	522.3	375.1	324.5	309.5	300.6	301.7
22.5°	1592.0	1460.3	1167.5	858.5	566.2	366.7	290.6	271.2	269.5	270.6	271.2
25°	1556.4	1397.5	1048.5	694.6	404.0	279.5	242.8	237.3	242.3	249.5	250.6
27.5°	1538.1	1346.4	932.4	529.6	292.3	227.3	210.6	212.8	221.7	229.5	230.6
30°	1543.1	1308.0	812.4	384.0	225.0	191.7	186.1	190.6	199.5	206.7	207.8
32.5°	1578.7	1288.6	689.6	279.5	185.0	167.3	165.0	168.4	176.1	181.7	182.3
35°	1649.2	1293.0	572.9	213.9	158.9	148.9	148.4	150.6	154.5	158.4	158.9
37.5°	1753.1	1329.2	457.9	177.8	143.9	136.7	134.5	134.5	137.3	138.9	140.0
40°	1864.8	1383.6	366.7	157.3	133.4	125.6	121.1	119.5	121.7	123.9	124.5
42.5°	1957.1	1438.1	297.8	142.8	125.0	114.5	108.9	107.8	110.6	114.5	115.6
45°	2027.6	1480.3	248.4	131.1	115.6	103.9	97.8	97.8	102.8	109.5	110.6
47.5°	2092.1	1514.2	211.7	120.6	106.7	94.5	88.4	89.5	97.8	106.7	108.4
50°	2136.0	1541.4	184.5	111.1	99.5	86.7	81.1	83.4	93.4	103.9	105.6
52.5°	2183.2	1574.8	166.7	102.8	92.8	80.6	75.6	77.2	88.4	100.0	102.2
55°	2313.8	1686.5	166.1	91.7	81.1	72.2	70.0	70.6	81.7	95.0	97.8
57.5°	2420.5	1784.8	177.3	77.2	67.8	63.3	62.2	62.8	72.8	87.8	91.1
60°	2002.6	1386.9	146.7	63.9	56.7	55.6	53.9	55.0	64.5	77.8	80.6
62.5°	1185.2	792.9	70.0	48.9	48.3	47.2	45.6	47.8	56.7	68.3	70.0
65°	405.1	235.0	44.5	40.0	41.1	39.5	37.8	40.0	47.8	54.5	55.0
67.5°	77.8	62.2	35.6	33.3	33.9	30.6	30.0	32.2	36.7	37.8	37.2
70°	40.6	36.1	27.2	27.2	26.1	21.7	21.7	23.9	23.9	22.2	21.7
72.5°	21.1	20.0	17.8	20.0	16.7	13.3	13.3	14.4	13.3	11.1	11.1
75°	8.3	8.3	7.8	10.0	7.2	6.1	5.6	6.7	5.0	3.9	3.9
77.5°	2.2	2.2	2.2	2.8	1.7	1.7	1.1	1.1	0.6	0.0	0.0
80°	0.0	0.6	0.0	0.6	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)