

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: P634866

Luminaire Tested: GWS-SA3C-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8811.4 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

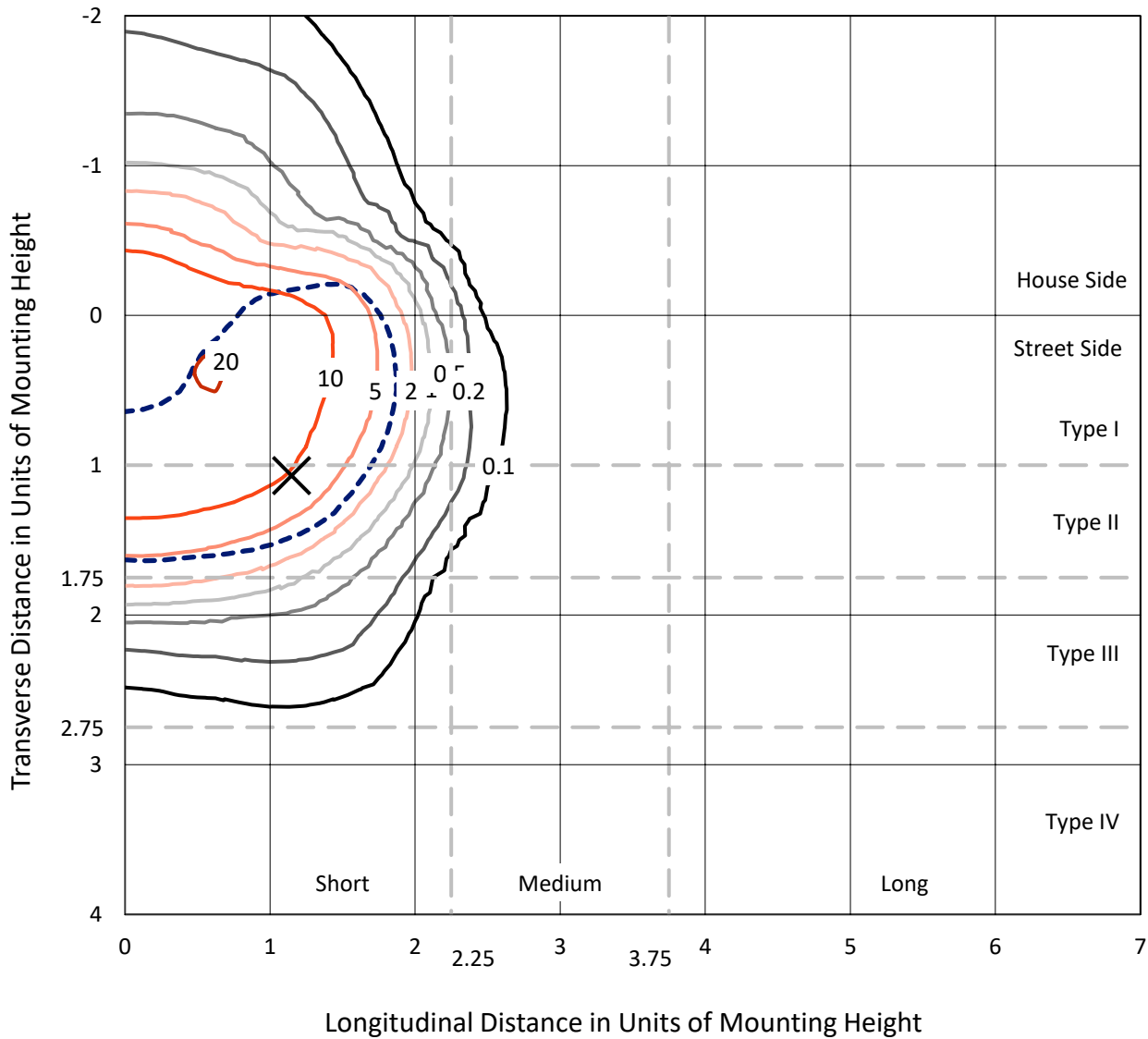
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

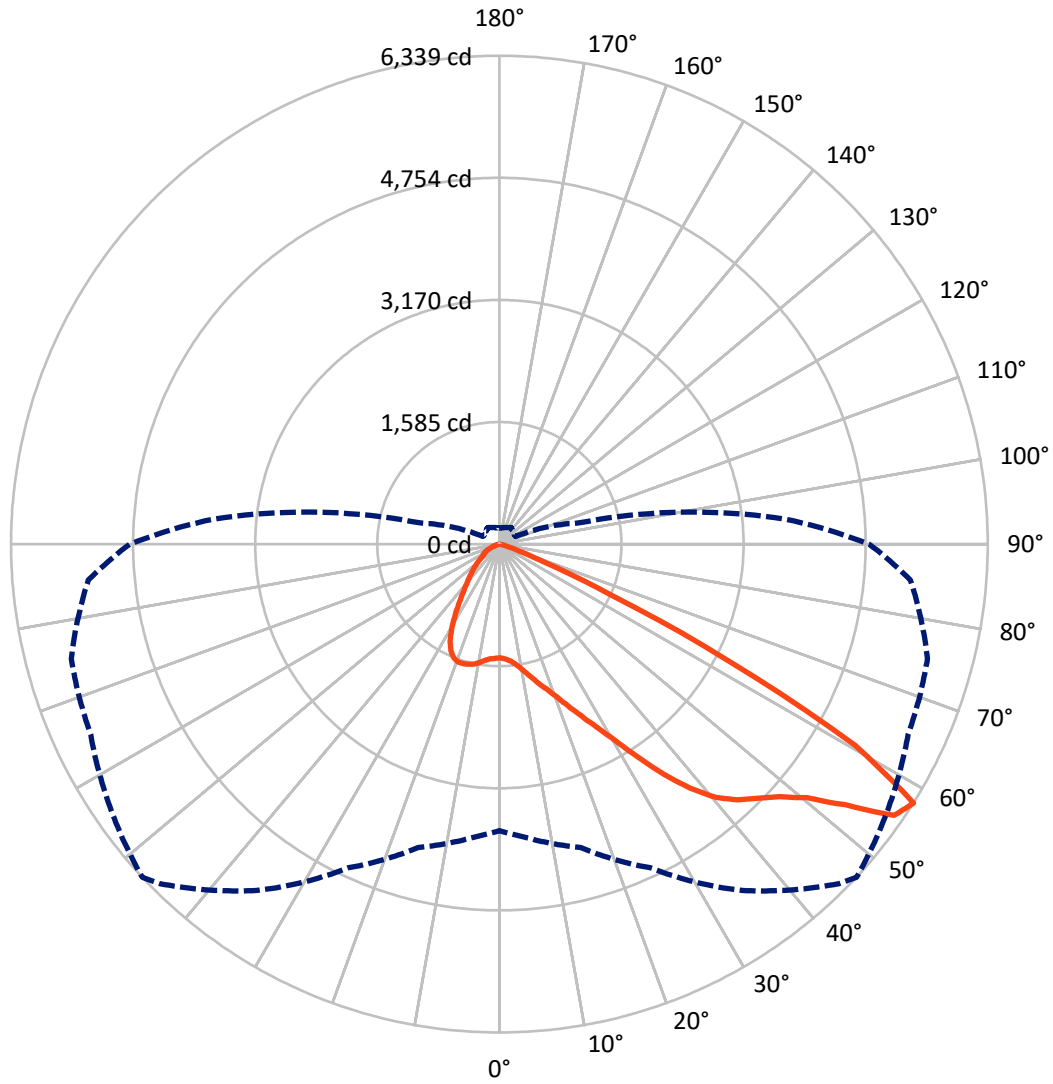
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1911.6	0.0	1911.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6899.8	0.0	6899.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	8811.4	0.0	8811.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	1.7
10°-20°	495.2	5.6
20°-30°	919.4	10.4
30°-40°	1471.8	16.7
40°-50°	2151.4	24.4
50°-60°	2655.2	30.1
60°-70°	887.2	10.1
70°-80°	82.7	0.9
80°-90°	1.7	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°	8811.4	100.0
0°-180°	8811.4	100.0

Coefficient of Utilization



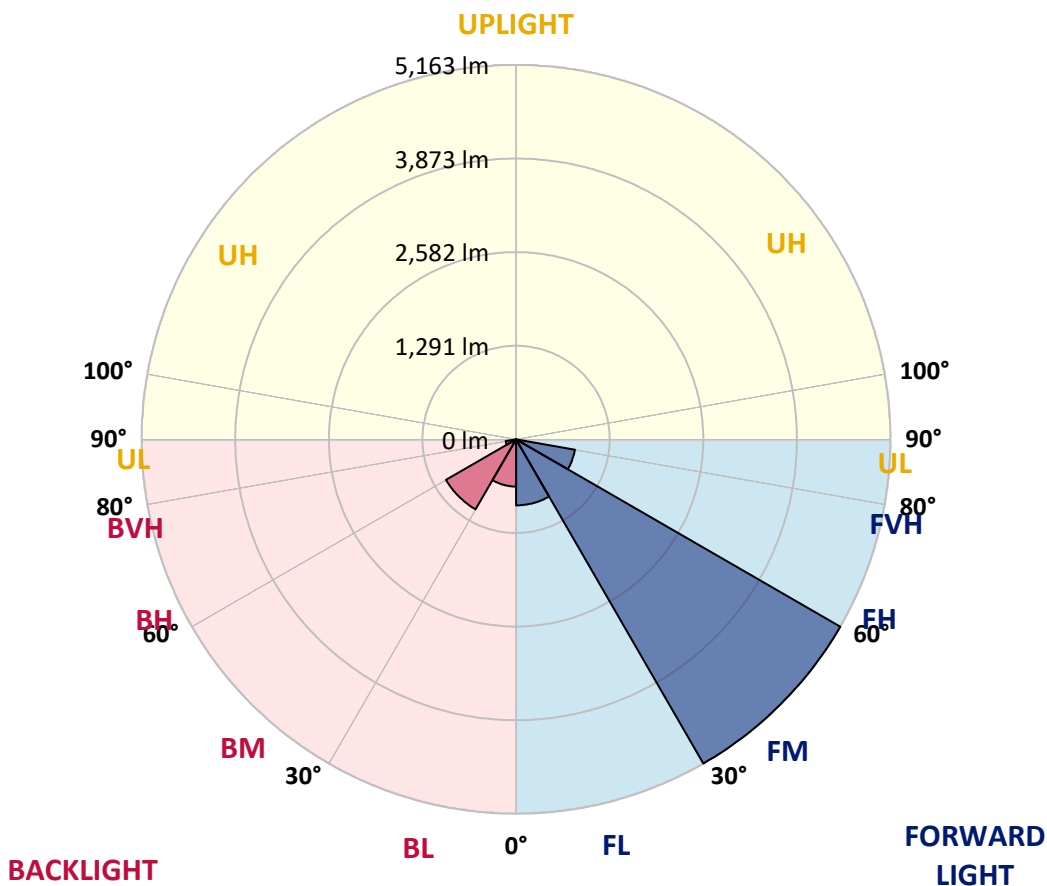
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	910.6	10.3			
FM (30°-60°)	5163.4	58.6			
FH (60°-80°)	824.6	9.4			G1/1800
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	650.7	7.4	B2/1000		
BM (30°-60°)	1115.1	12.7	B2/2500		
BH (60°-80°)	145.3	1.6	B1/500		G1/500
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0
2.5°	1490.4	1489.4	1488.3	1494.5	1492.4	1491.4	1493.5	1493.5	1493.5	1487.3	1475.0
5°	1526.2	1526.2	1525.2	1531.3	1526.2	1523.1	1524.1	1524.1	1520.0	1508.8	1493.5
7.5°	1582.4	1580.4	1578.4	1584.5	1579.4	1578.4	1580.4	1574.3	1567.1	1548.7	1527.2
10°	1663.3	1663.3	1660.2	1666.3	1662.2	1660.2	1660.2	1656.1	1642.8	1614.2	1582.4
12.5°	1774.8	1769.6	1762.5	1757.4	1755.3	1754.3	1755.3	1749.2	1734.9	1698.0	1654.0
15°	1896.5	1892.4	1881.1	1873.0	1861.7	1859.7	1865.8	1860.7	1846.4	1796.2	1733.8
17.5°	2049.9	2055.0	2026.4	2009.0	1976.3	1974.2	1976.3	1984.4	1974.2	1909.8	1818.7
20°	2180.8	2184.9	2163.5	2151.2	2121.5	2108.2	2112.3	2125.6	2114.4	2038.7	1911.8
22.5°	2321.0	2326.1	2303.6	2278.0	2264.7	2264.7	2280.1	2298.5	2283.1	2183.9	2018.2
25°	2488.7	2492.8	2474.4	2440.7	2417.1	2446.8	2469.3	2518.4	2492.8	2357.8	2144.0
27.5°	2681.1	2682.1	2655.5	2620.7	2608.4	2663.7	2686.2	2761.9	2751.6	2553.2	2277.0
30°	2886.7	2887.7	2881.5	2858.0	2846.8	2919.4	2950.1	3059.5	3052.4	2795.6	2458.1
32.5°	3100.4	3100.4	3111.7	3109.6	3122.9	3241.6	3290.7	3415.5	3408.3	3092.3	2683.1
35°	3315.3	3316.3	3335.7	3384.8	3440.1	3597.6	3662.0	3813.4	3797.0	3447.2	2970.5
37.5°	3559.7	3549.5	3576.1	3649.7	3772.5	3954.6	4015.9	4160.2	4141.8	3810.3	3345.9
40°	3854.3	3835.9	3835.9	3921.8	4061.0	4270.7	4322.8	4394.4	4332.0	4103.9	3714.2
42.5°	4179.6	4162.2	4139.7	4215.4	4332.0	4495.7	4538.7	4519.2	4468.1	4381.1	4133.6
45°	4509.0	4482.4	4497.7	4543.8	4611.3	4689.0	4705.4	4615.4	4591.8	4616.4	4480.4
47.5°	4759.6	4741.2	4779.0	4843.5	4898.7	4910.0	4898.7	4773.9	4771.9	4858.8	4720.7
50°	4843.5	4845.5	4949.9	5091.0	5180.0	5189.2	5173.9	5030.7	5011.2	5036.8	4850.6
52.5°	4851.7	4859.9	5012.3	5281.3	5523.7	5634.2	5621.9	5467.5	5277.2	5249.6	5047.0
55°	4654.2	4702.3	4915.1	5307.9	5823.4	6176.3	6217.3	5921.6	5639.3	5615.8	5469.5
57.5°	3720.3	3818.5	4075.3	4634.8	5488.9	6232.6	6339.0	6126.2	5853.1	5752.9	5356.0
60°	2223.8	2345.5	2592.1	3278.4	4177.6	5122.7	5305.8	5335.5	5209.7	4920.2	4109.0
62.5°	954.4	944.1	1248.0	1773.7	2484.7	3255.9	3338.8	3467.7	3577.1	3274.3	2493.9
65°	327.3	356.0	495.1	799.9	1243.9	1511.9	1585.5	1701.1	1856.6	1532.3	913.5
67.5°	202.5	214.8	285.4	472.6	671.0	660.8	628.1	609.7	593.3	406.1	250.6
70°	147.3	157.5	200.5	325.3	451.1	317.1	275.2	223.0	247.5	228.1	178.0
72.5°	99.2	107.4	138.1	197.4	231.2	154.5	143.2	162.6	196.4	187.2	145.3
75°	59.3	64.4	78.8	96.2	94.1	79.8	80.8	114.6	150.4	140.1	103.3
77.5°	40.9	43.0	52.2	62.4	46.0	24.5	22.5	31.7	51.1	51.1	34.8
80°	10.2	13.3	13.3	8.2	7.2	6.1	6.1	9.2	14.3	10.2	5.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
87.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
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°	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0	1475.0
2.5°	1482.2	1469.9	1478.1	1476.1	1482.2	1484.2	1475.0	1473.0	1474.0	1461.7	1457.6
5°	1496.5	1482.2	1486.3	1482.2	1489.4	1495.5	1492.4	1496.5	1501.6	1492.4	1488.3
7.5°	1527.2	1512.9	1511.9	1505.7	1516.0	1520.0	1519.0	1530.3	1540.5	1534.4	1528.2
10°	1580.4	1561.0	1558.9	1553.8	1556.9	1559.9	1548.7	1550.7	1559.9	1552.8	1549.7
12.5°	1645.9	1622.3	1617.2	1604.9	1604.9	1589.6	1565.1	1559.9	1567.1	1562.0	1556.9
15°	1716.4	1684.7	1676.6	1655.1	1634.6	1606.0	1580.4	1574.3	1579.4	1573.2	1569.1
17.5°	1795.2	1759.4	1732.8	1695.0	1650.0	1616.2	1587.6	1574.3	1566.1	1553.8	1552.8
20°	1873.0	1825.9	1780.9	1720.5	1661.2	1610.1	1563.0	1528.2	1498.6	1480.2	1473.0
22.5°	1963.0	1893.4	1820.8	1735.9	1651.0	1573.2	1490.4	1431.1	1379.9	1362.5	1354.3
25°	2059.1	1969.1	1860.7	1750.2	1616.2	1491.4	1378.9	1290.9	1223.4	1200.9	1191.7
27.5°	2165.5	2041.7	1901.6	1747.1	1544.6	1374.8	1225.4	1116.0	1049.5	1029.0	1036.2
30°	2300.5	2135.8	1952.7	1715.4	1437.2	1211.1	1036.2	944.1	894.0	874.6	875.6
32.5°	2480.6	2270.9	2027.4	1647.9	1299.1	1025.0	871.5	804.0	770.3	744.7	742.6
35°	2738.3	2476.5	2097.0	1539.5	1131.3	859.2	747.7	694.6	647.5	617.8	623.0
37.5°	3047.3	2735.3	2134.8	1393.2	943.1	730.4	654.7	600.4	547.3	503.3	508.4
40°	3413.5	3073.8	2131.7	1200.9	771.3	642.4	576.9	513.5	447.0	407.1	411.2
42.5°	3821.6	3394.0	2065.3	997.3	639.3	570.8	502.2	422.5	358.0	333.5	334.5
45°	4175.5	3653.8	1948.6	786.6	538.1	501.2	424.5	342.7	314.0	296.6	295.6
47.5°	4437.4	3844.1	1781.9	618.9	456.2	437.8	348.8	306.9	284.4	270.0	268.0
50°	4583.7	3910.6	1597.8	484.9	385.6	371.3	312.0	278.2	262.9	253.7	251.6
52.5°	4780.1	3990.4	1465.8	382.6	323.2	303.8	287.4	258.8	248.6	241.4	238.3
55°	5091.0	4144.8	1351.3	303.8	269.0	264.9	271.1	247.5	241.4	230.2	226.1
57.5°	4798.5	3723.4	1049.5	235.3	227.1	242.4	261.9	236.3	220.9	210.7	206.6
60°	3376.6	2475.4	527.8	189.2	202.5	227.1	246.5	213.8	198.4	200.5	198.4
62.5°	1861.7	1238.7	237.3	158.6	175.9	200.5	210.7	185.1	174.9	192.3	195.4
65°	608.6	421.4	137.1	122.7	139.1	163.7	182.1	175.9	173.9	194.4	200.5
67.5°	187.2	139.1	93.1	88.0	96.2	120.7	153.4	190.3	204.6	210.7	213.8
70°	140.1	109.5	79.8	74.7	78.8	92.1	129.9	158.6	149.3	150.4	148.3
72.5°	112.5	86.9	68.5	65.5	65.5	63.4	68.5	85.9	97.2	102.3	102.3
75°	78.8	61.4	52.2	48.1	37.8	30.7	27.6	27.6	24.5	23.5	22.5
77.5°	26.6	22.5	20.5	16.4	11.3	9.2	8.2	7.2	5.1	3.1	2.0
80°	4.1	3.1	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	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)