

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: P632395

Luminaire Tested: GWS-SA2C-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5937.8 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

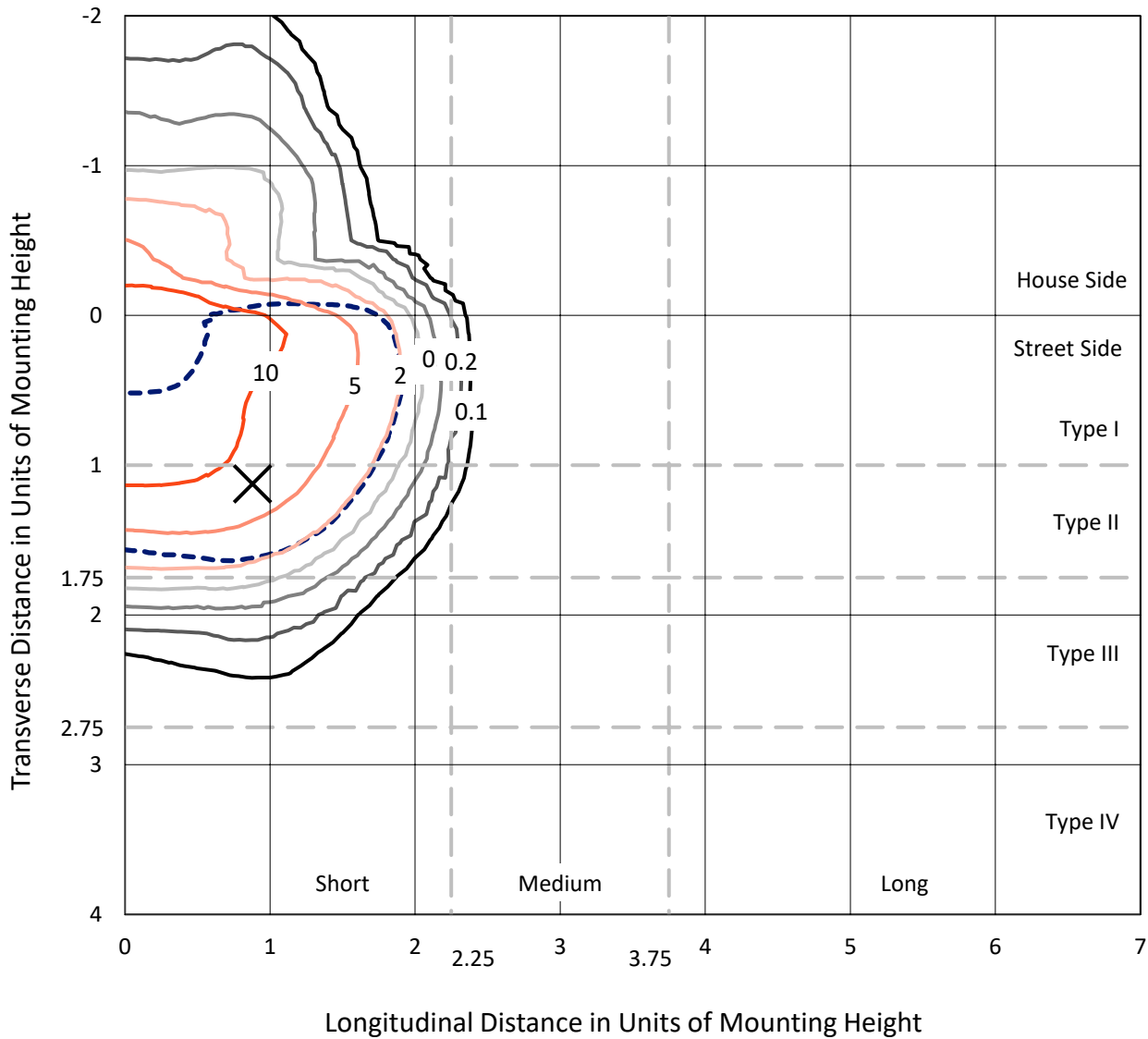
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

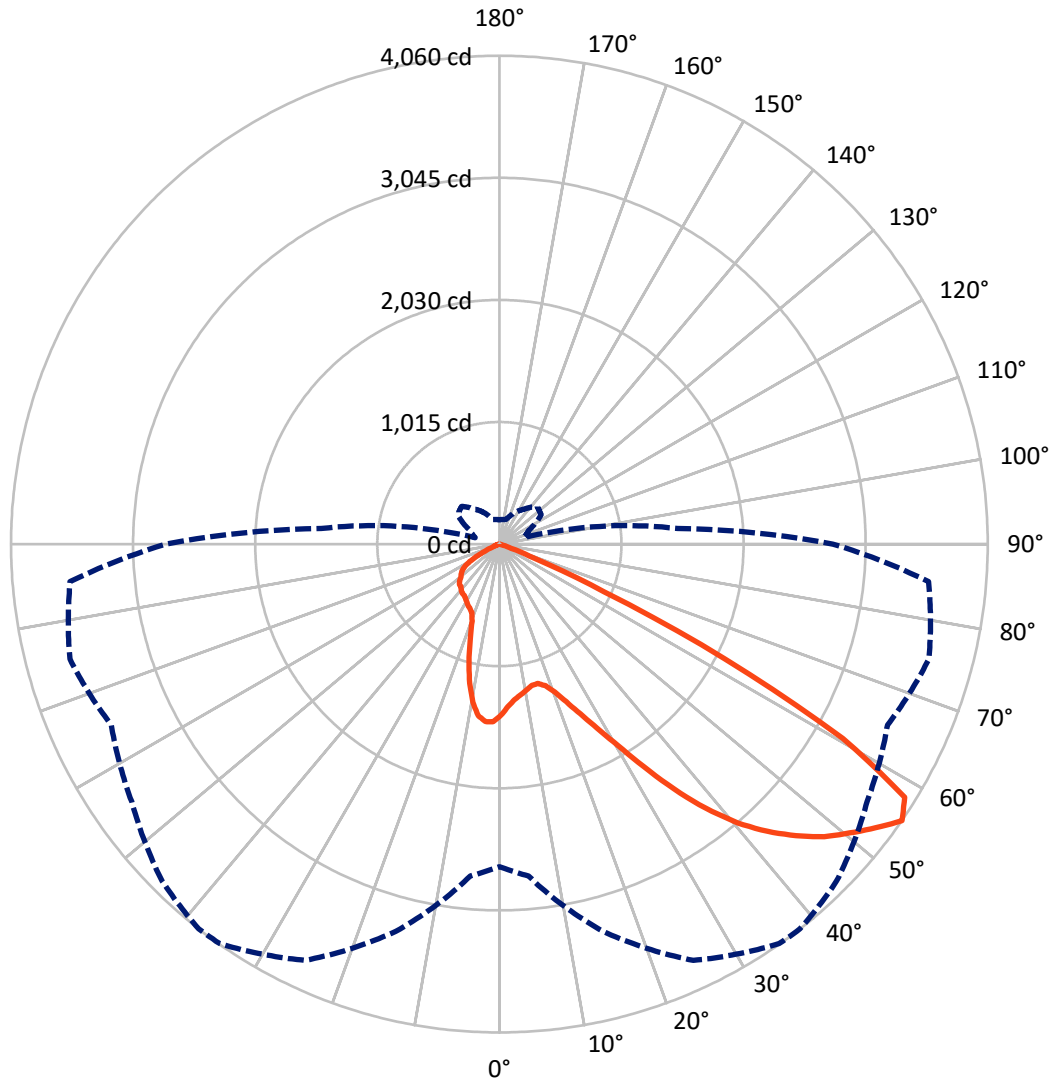
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1156.9	0.0	1156.9
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	4780.9	0.0	4780.9
	% Fixture	80.5	0.0	80.5
Total	Lumens	5937.8	0.0	5937.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	2.2
10°-20°	354.4	6.0
20°-30°	608.3	10.2
30°-40°	1008.8	17.0
40°-50°	1483.0	25.0
50°-60°	1733.0	29.2
60°-70°	587.4	9.9
70°-80°	30.0	0.5
80°-90°	1.2	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°	5937.8	100.0
0°-180°	5937.8	100.0

Coefficient of Utilization



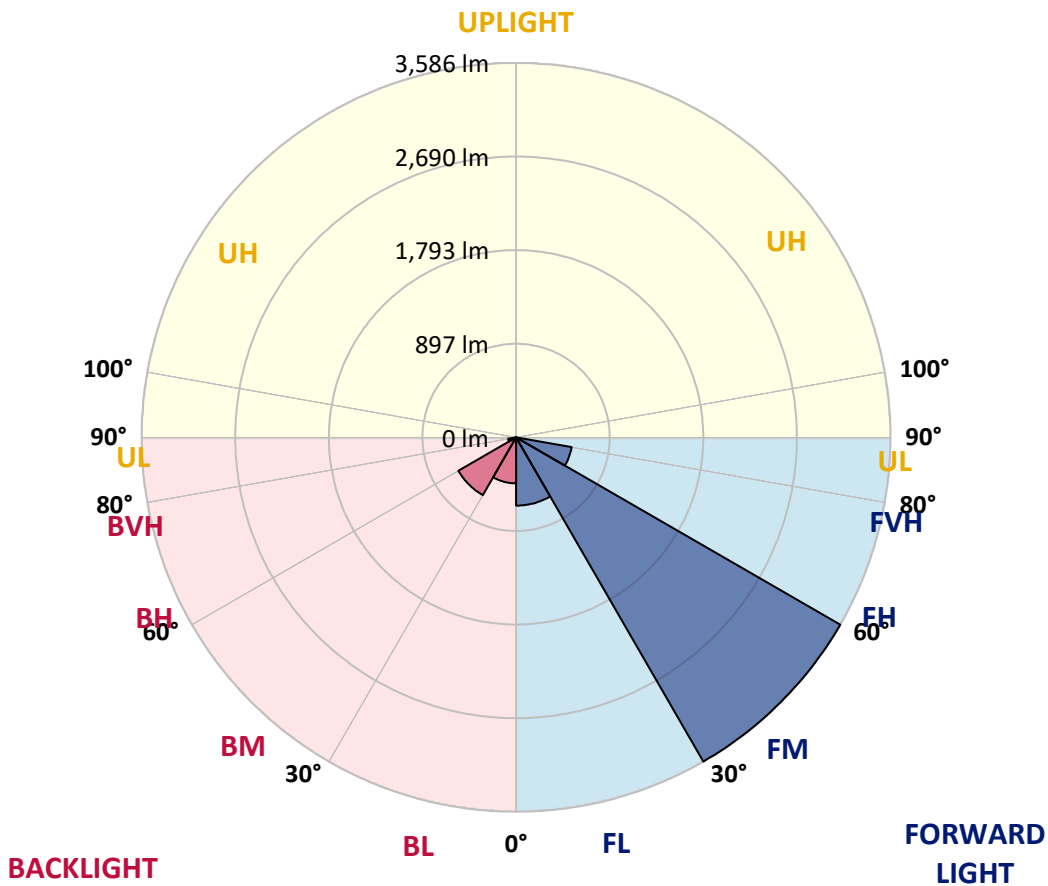
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	653.6	11.0			
FM (30°-60°)	3586.3	60.4			
FH (60°-80°)	540.4	9.1			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	440.8	7.4	B1/500		
BM (30°-60°)	638.5	10.8	B1/1000		
BH (60°-80°)	77.0	1.3	B0/110		G0/110
BVH (80°-90°)	0.6	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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CATALOG NUMBER: GWS-SA2C-750-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9
2.5°	1326.2	1323.5	1328.9	1339.8	1350.0	1353.3	1363.5	1377.8	1386.6	1407.6	1424.6
5°	1266.5	1265.1	1270.5	1280.0	1293.6	1298.4	1314.0	1337.7	1361.5	1398.1	1434.1
7.5°	1212.2	1211.5	1219.6	1240.7	1260.4	1266.5	1285.5	1314.7	1346.6	1402.9	1455.8
10°	1140.9	1141.6	1157.2	1187.1	1223.0	1235.2	1265.8	1307.9	1349.3	1421.9	1495.2
12.5°	1117.8	1119.2	1127.3	1150.4	1189.8	1205.4	1248.1	1311.9	1364.9	1449.0	1546.1
15°	1174.2	1174.2	1167.4	1170.1	1187.7	1202.0	1246.8	1325.5	1391.4	1481.6	1596.3
17.5°	1283.4	1279.4	1262.4	1239.3	1233.2	1238.0	1273.9	1354.7	1428.7	1519.6	1653.3
20°	1431.4	1432.8	1399.5	1351.3	1312.6	1311.9	1333.7	1406.3	1482.3	1565.1	1715.1
22.5°	1610.6	1605.1	1561.0	1495.2	1428.0	1422.6	1431.4	1485.0	1559.7	1637.0	1791.1
25°	1818.3	1815.5	1753.1	1664.9	1576.0	1563.1	1563.1	1616.0	1670.3	1739.5	1882.1
27.5°	2035.4	2035.4	1975.0	1873.2	1755.1	1732.1	1728.7	1791.1	1827.1	1840.7	1958.8
30°	2258.7	2256.0	2196.3	2091.8	1965.5	1941.8	1932.3	1978.4	2004.2	1963.5	2054.4
32.5°	2485.4	2490.2	2429.8	2332.7	2220.1	2204.4	2175.3	2175.3	2196.3	2139.3	2205.1
35°	2729.1	2727.7	2680.2	2614.4	2518.0	2500.4	2452.2	2376.8	2408.7	2383.6	2413.5
37.5°	2944.2	2954.4	2931.3	2882.5	2804.4	2786.8	2707.4	2570.9	2595.4	2634.7	2661.2
40°	3162.8	3170.9	3194.0	3178.4	3080.0	3047.4	2906.2	2682.3	2709.4	2844.5	2920.5
42.5°	3377.3	3381.3	3428.2	3453.9	3322.3	3265.3	3056.9	2750.1	2778.6	3008.7	3141.7
45°	3513.7	3522.5	3599.9	3678.6	3536.1	3458.0	3187.9	2837.0	2849.2	3122.7	3305.3
47.5°	3508.2	3528.6	3673.8	3817.1	3720.0	3635.8	3345.4	2976.1	2955.8	3230.0	3413.2
50°	3399.0	3423.4	3631.8	3859.1	3852.3	3774.3	3520.5	3177.7	3113.9	3325.0	3426.8
52.5°	3172.3	3242.9	3557.8	3864.6	3958.9	3919.5	3737.0	3449.2	3327.7	3461.4	3448.5
55°	2682.3	2769.1	3333.1	3818.4	4055.3	4060.0	3964.3	3732.2	3559.8	3696.2	3582.2
57.5°	2036.1	2105.4	2565.5	3399.0	3895.8	3973.8	4052.6	3881.5	3703.0	3856.4	3613.4
60°	1227.1	1307.2	1606.5	2494.3	3146.5	3279.5	3588.3	3555.1	3339.9	3405.8	2963.2
62.5°	497.5	539.6	741.8	1374.4	1980.5	2104.7	2400.6	2450.8	2397.9	2330.7	1797.2
65°	181.9	198.9	297.3	568.1	910.8	956.3	1112.4	1201.3	1274.6	1085.3	668.5
67.5°	112.7	123.5	193.4	291.8	331.2	308.1	313.6	374.0	357.0	220.6	119.5
70°	83.5	92.3	151.4	202.3	133.7	103.2	69.9	74.7	67.2	59.0	58.4
72.5°	57.7	65.8	113.3	119.5	51.6	36.7	25.8	36.0	40.7	40.0	41.4
75°	38.0	44.1	71.3	46.8	12.9	10.2	8.8	19.0	24.4	24.4	25.1
77.5°	22.4	25.8	25.1	9.5	2.7	2.7	2.0	3.4	5.4	6.1	7.5
80°	2.7	2.0	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0
82.5°	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0
85°	0.0	0.0	0.7	0.7	1.4	1.4	1.4	1.4	1.4	2.0	2.0
87.5°	0.0	0.0	0.7	0.7	1.4	1.4	1.4	1.4	1.4	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°	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9
2.5°	1437.5	1432.8	1452.4	1466.7	1478.2	1483.7	1476.2	1475.5	1475.5	1460.6	1456.5
5°	1454.5	1456.5	1484.3	1496.6	1498.6	1491.8	1474.8	1463.3	1456.5	1440.9	1432.1
7.5°	1487.0	1493.8	1520.3	1518.3	1499.9	1468.7	1423.9	1389.3	1366.9	1342.5	1327.6
10°	1533.9	1546.8	1563.1	1534.6	1476.2	1396.8	1304.5	1238.6	1199.3	1171.5	1154.5
12.5°	1590.9	1603.8	1598.4	1531.2	1409.7	1267.8	1149.1	1054.0	1008.6	983.4	965.8
15°	1648.6	1656.7	1621.4	1490.4	1292.3	1101.5	969.2	874.9	819.2	798.8	783.9
17.5°	1707.6	1705.6	1625.5	1410.4	1135.5	914.2	783.9	719.4	703.8	700.4	699.1
20°	1769.4	1751.1	1609.2	1295.7	946.8	728.9	655.0	659.0	687.5	701.1	703.8
22.5°	1840.0	1793.8	1568.5	1140.2	754.0	607.4	614.9	655.0	693.6	712.0	714.7
25°	1915.3	1833.2	1500.6	940.7	594.5	558.6	602.7	648.8	690.2	712.6	715.4
27.5°	1964.9	1842.7	1389.3	739.8	510.4	539.6	586.4	630.5	673.3	697.7	701.1
30°	2018.5	1838.6	1238.0	570.1	481.9	523.3	564.0	604.1	643.4	670.6	673.3
32.5°	2097.2	1835.9	1053.4	462.9	470.3	510.4	540.3	573.5	600.7	616.3	614.2
35°	2200.4	1832.5	838.2	417.4	463.6	500.2	524.0	539.6	509.7	500.2	502.2
37.5°	2332.7	1840.7	657.0	398.4	461.5	497.5	517.9	473.1	426.9	409.3	406.5
40°	2479.3	1861.7	500.9	390.9	468.3	504.3	494.8	420.8	363.8	329.2	321.7
42.5°	2626.6	1884.8	396.4	388.2	479.8	523.3	456.8	382.8	297.3	277.6	274.9
45°	2735.9	1880.7	342.7	383.5	490.0	534.1	446.6	328.5	265.4	256.6	257.2
47.5°	2790.8	1835.9	313.6	372.6	494.1	523.3	421.5	306.1	243.7	253.2	261.3
50°	2761.7	1719.8	286.4	351.6	485.3	509.0	381.4	289.1	232.8	272.2	290.5
52.5°	2726.4	1577.3	256.6	319.0	464.2	489.3	365.8	284.4	226.0	262.7	276.2
55°	2773.2	1487.0	207.7	268.8	422.8	443.2	353.6	283.7	210.4	204.3	202.3
57.5°	2707.4	1307.2	148.6	193.4	324.4	350.9	344.8	278.9	186.6	186.0	188.7
60°	2092.5	797.5	101.8	122.8	198.9	224.0	312.9	266.7	160.9	148.0	148.6
62.5°	1189.1	339.4	69.9	76.0	101.8	120.8	238.9	242.3	148.6	141.2	148.6
65°	414.0	121.5	54.3	50.9	56.3	64.5	137.1	187.3	135.1	122.2	123.5
67.5°	85.5	60.4	48.2	42.1	42.1	42.1	69.9	116.7	111.3	97.1	98.4
70°	54.3	51.6	42.1	36.0	34.6	31.9	40.0	64.5	76.7	70.6	71.3
72.5°	40.0	39.4	33.3	29.2	25.8	23.1	25.1	31.9	39.4	40.7	41.4
75°	24.4	25.1	21.7	18.3	16.3	14.3	14.9	14.9	14.9	13.6	14.9
77.5°	7.5	8.1	6.8	5.4	4.8	4.8	4.8	4.1	3.4	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	1.4	1.4	0.7	0.7	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	1.4	1.4	0.7	0.7	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	1.4	1.4	0.7	0.7	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	1.4	1.4	0.7	0.7	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)