

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: P634927

Luminaire Tested: GWS-SA3C-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11017.2 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

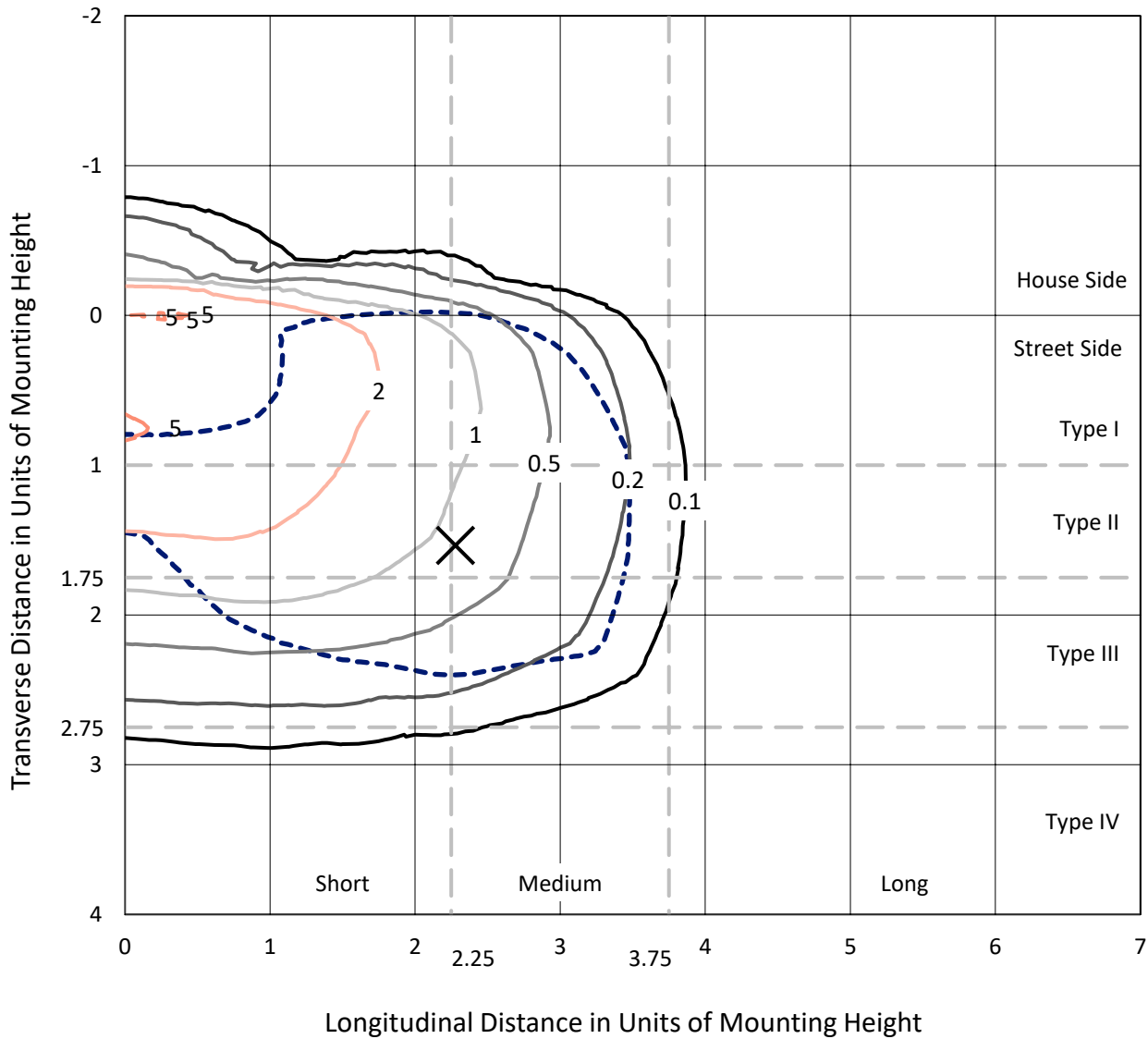
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

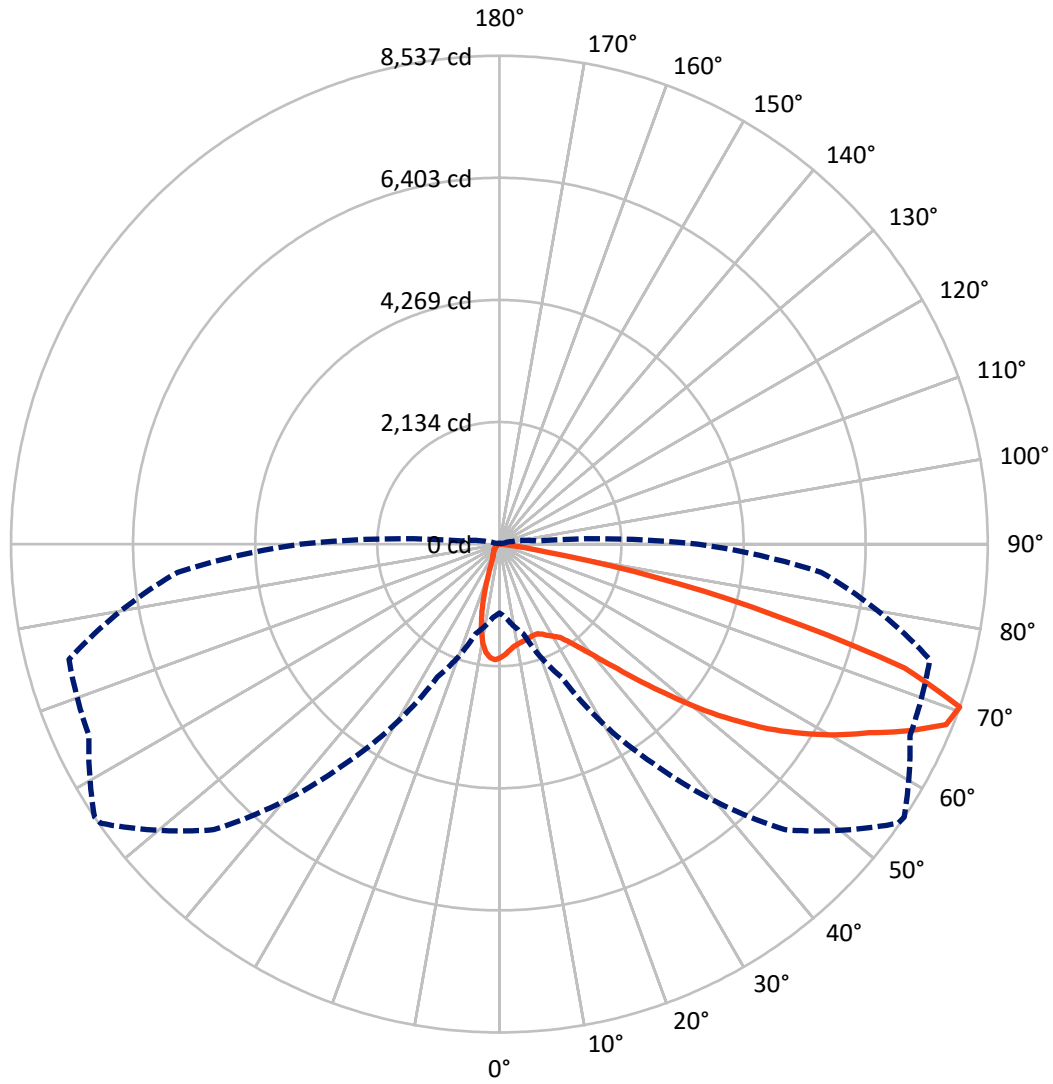
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.6	0.0	989.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	10027.6	0.0	10027.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	11017.2	0.0	11017.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.6	1.5
10°-20°	383.6	3.5
20°-30°	607.6	5.5
30°-40°	1047.9	9.5
40°-50°	1769.5	16.1
50°-60°	2599.9	23.6
60°-70°	3082.4	28.0
70°-80°	1314.4	11.9
80°-90°	41.3	0.4
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°	11017.2	100.0
0°-180°	11017.2	100.0

Coefficient of Utilization

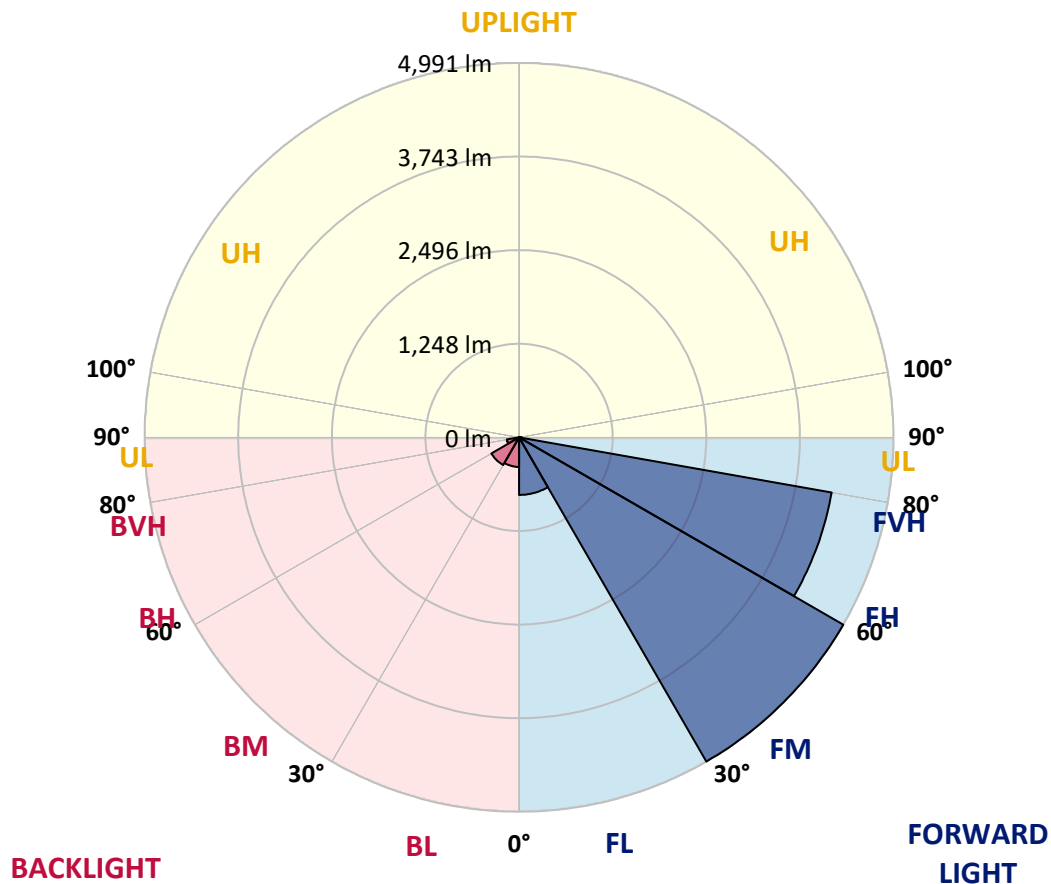


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	767.7	7.0			
FM (30°-60°)	4991.1	45.3			
FH (60°-80°)	4231.8	38.4			G2/5000
FVH (80°-90°)	37.1	0.3			G1/100
BL (0°-30°)	394.1	3.6	B1/500		
BM (30°-60°)	426.2	3.9	B1/1000		
BH (60°-80°)	165.0	1.5	B1/500		G1/500
BVH (80°-90°)	4.2	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5
2.5°	1849.3	1846.3	1848.3	1863.4	1891.7	1904.8	1927.0	1931.0	1949.2	1972.4	1981.5
5°	1729.2	1719.2	1724.2	1745.4	1777.7	1814.0	1855.4	1866.5	1911.9	1963.3	2001.6
7.5°	1619.3	1608.2	1620.3	1653.6	1699.0	1738.3	1799.9	1806.9	1879.6	1970.4	2040.0
10°	1446.8	1449.8	1474.0	1532.5	1602.1	1683.8	1766.6	1776.7	1866.5	1993.6	2101.5
12.5°	1314.6	1307.5	1333.8	1400.3	1498.2	1617.3	1741.4	1754.5	1867.5	2028.9	2180.2
15°	1253.0	1251.0	1262.1	1310.6	1405.4	1545.6	1718.1	1735.3	1880.6	2061.2	2254.9
17.5°	1255.1	1252.0	1251.0	1279.3	1349.9	1492.2	1692.9	1715.1	1891.7	2096.5	2333.6
20°	1342.8	1328.7	1303.5	1290.4	1332.7	1457.9	1675.8	1701.0	1907.8	2133.8	2417.3
22.5°	1526.5	1531.5	1463.9	1393.3	1373.1	1461.9	1673.8	1703.0	1943.1	2192.3	2520.2
25°	1893.7	1885.6	1760.5	1602.1	1492.2	1508.3	1709.1	1744.4	2012.7	2276.1	2617.1
27.5°	2353.7	2360.8	2189.3	1937.1	1707.0	1604.1	1773.6	1808.9	2093.5	2328.5	2681.6
30°	2855.2	2848.1	2664.5	2385.0	2011.7	1763.5	1838.2	1869.5	2133.8	2356.8	2748.2
32.5°	3329.3	3313.2	3131.6	2839.0	2400.2	2014.8	1927.0	1945.1	2187.3	2418.3	2838.0
35°	3733.9	3732.9	3574.5	3262.8	2799.7	2329.5	2079.3	2094.5	2287.2	2516.2	2970.2
37.5°	4151.6	4137.5	3959.9	3675.4	3210.3	2674.6	2312.4	2306.3	2444.5	2660.5	3132.6
40°	4494.6	4485.5	4349.3	4075.9	3637.1	3055.9	2594.9	2576.7	2631.2	2860.2	3358.6
42.5°	4748.9	4749.9	4707.5	4541.0	4089.0	3496.8	2950.0	2921.8	2920.7	3161.9	3657.2
45°	4941.6	4954.7	5018.2	4993.0	4622.8	4010.4	3405.0	3375.8	3326.3	3553.3	3999.3
47.5°	5031.4	5048.5	5240.2	5341.1	5089.9	4519.8	3946.8	3885.3	3788.4	4073.9	4381.6
50°	5022.3	5052.5	5319.9	5626.6	5513.6	5036.4	4537.0	4507.7	4349.3	4624.8	4760.0
52.5°	4816.5	4881.0	5324.9	5800.1	5839.5	5512.6	5147.4	5092.9	5016.2	5199.8	5115.1
55°	4257.5	4336.2	5112.1	5855.6	6093.7	5928.3	5744.6	5700.3	5573.1	5742.6	5424.8
57.5°	3953.9	4021.5	4664.1	5828.4	6309.6	6312.6	6276.3	6240.0	6135.1	6279.4	5788.0
60°	3771.2	3838.8	4425.0	5728.5	6505.3	6718.2	6775.7	6771.7	6620.4	6889.7	6213.8
62.5°	3503.9	3596.7	4175.8	5469.2	6644.6	7117.7	7291.3	7264.0	7095.6	7525.3	6635.5
65°	2964.1	3044.8	3665.3	5041.4	6562.9	7448.7	7850.2	7864.3	7669.6	8123.6	6968.4
67.5°	2078.3	2137.8	2754.3	4143.5	6008.0	7557.6	8422.2	8421.2	8089.3	8430.3	6821.1
70°	1204.6	1286.3	1627.3	2561.6	4674.2	7062.3	8508.0	8537.3	7918.8	7789.7	5644.8
72.5°	466.1	533.7	922.1	1361.0	2437.5	5409.7	7318.5	7404.3	6627.4	6009.0	3928.6
75°	139.2	155.4	433.8	724.4	978.6	2613.0	4954.7	4978.9	4546.1	3748.0	2013.8
77.5°	103.9	115.0	189.7	366.2	343.0	792.0	2563.6	2799.7	2413.3	1338.8	554.9
80°	70.6	83.7	135.2	178.6	127.1	210.9	720.4	791.0	736.5	300.7	139.2
82.5°	31.3	40.4	95.8	89.8	46.4	60.5	222.0	236.1	152.3	90.8	48.4
85°	3.0	4.0	36.3	39.3	17.2	14.1	46.4	46.4	33.3	31.3	20.2
87.5°	0.0	0.0	1.0	2.0	2.0	3.0	4.0	5.0	6.1	8.1	10.1
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°	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5
2.5°	2004.7	1992.6	2007.7	2019.8	2022.8	2000.6	1987.5	1968.4	1964.3	1965.3	1960.3
5°	2031.9	2025.9	2037.0	2023.8	1989.5	1925.0	1869.5	1807.9	1774.6	1755.5	1753.5
7.5°	2082.4	2079.3	2067.2	2007.7	1900.8	1757.5	1619.3	1484.1	1400.3	1370.1	1365.0
10°	2157.0	2151.0	2101.5	1960.3	1732.3	1456.8	1224.8	1031.1	913.0	878.7	836.4
12.5°	2242.8	2230.7	2122.7	1858.4	1478.0	1096.7	807.1	590.2	488.3	458.0	458.0
15°	2325.5	2299.3	2110.6	1689.9	1165.3	713.3	451.0	341.0	309.7	301.7	301.7
17.5°	2410.2	2359.8	2063.2	1459.9	805.1	421.7	300.7	279.5	275.4	276.4	277.4
20°	2490.0	2411.3	1979.4	1183.4	513.5	294.6	269.4	264.3	262.3	264.3	263.3
22.5°	2576.7	2458.7	1852.3	881.8	333.9	265.3	256.3	252.2	250.2	253.2	253.2
25°	2662.5	2493.0	1683.8	593.2	265.3	247.2	242.1	238.1	236.1	237.1	237.1
27.5°	2706.9	2479.9	1462.9	378.3	238.1	229.0	224.0	218.9	215.9	214.9	215.9
30°	2737.1	2439.5	1192.5	269.4	215.9	204.8	199.8	195.7	187.7	182.6	184.6
32.5°	2784.5	2399.1	898.9	226.0	197.7	180.6	172.5	162.4	151.3	146.3	146.3
35°	2841.0	2343.7	630.6	203.8	178.6	160.4	145.3	128.1	115.0	111.0	111.0
37.5°	2915.7	2291.2	419.7	188.7	162.4	143.3	122.1	101.9	87.8	85.8	84.7
40°	3027.7	2246.8	295.6	177.6	148.3	125.1	99.9	78.7	68.6	65.6	65.6
42.5°	3173.0	2201.4	234.1	166.5	136.2	108.0	79.7	62.6	54.5	52.5	51.5
45°	3352.6	2147.9	203.8	156.4	124.1	89.8	63.6	52.5	46.4	44.4	44.4
47.5°	3547.3	2075.3	189.7	143.3	110.0	72.6	53.5	45.4	42.4	41.4	40.4
50°	3739.0	1977.4	177.6	131.2	93.8	59.5	46.4	41.4	39.3	38.3	38.3
52.5°	3906.4	1863.4	162.4	117.0	76.7	51.5	41.4	38.3	36.3	34.3	33.3
55°	4049.7	1739.3	143.3	100.9	62.6	45.4	38.3	35.3	33.3	31.3	30.3
57.5°	4234.3	1668.7	115.0	81.7	51.5	40.4	35.3	32.3	30.3	27.2	27.2
60°	4439.1	1617.3	85.8	64.6	44.4	37.3	32.3	29.3	27.2	24.2	24.2
62.5°	4603.6	1540.6	67.6	52.5	38.3	33.3	29.3	26.2	24.2	21.2	21.2
65°	4666.1	1382.2	55.5	41.4	31.3	29.3	26.2	24.2	21.2	18.2	18.2
67.5°	4383.6	1065.4	46.4	33.3	26.2	25.2	23.2	22.2	18.2	16.1	15.1
70°	3471.6	649.7	38.3	27.2	22.2	21.2	21.2	19.2	16.1	15.1	14.1
72.5°	2379.0	335.0	31.3	22.2	19.2	19.2	18.2	17.2	15.1	14.1	14.1
75°	1235.9	112.0	24.2	17.2	15.1	16.1	16.1	15.1	14.1	14.1	13.1
77.5°	354.1	50.4	18.2	13.1	12.1	12.1	13.1	13.1	13.1	12.1	12.1
80°	91.8	29.3	13.1	10.1	10.1	10.1	10.1	11.1	12.1	11.1	11.1
82.5°	37.3	16.1	9.1	8.1	8.1	8.1	8.1	9.1	10.1	10.1	10.1
85°	23.2	8.1	7.1	7.1	7.1	6.1	6.1	7.1	7.1	8.1	8.1
87.5°	14.1	6.1	6.1	6.1	6.1	5.0	5.0	5.0	5.0	5.0	5.0
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)