

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: P634870

Luminaire Tested: GWS-SA3C-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634870
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-SA3C-750-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 8949.5 lumens
Efficiency: N/A
Efficacy: 96.2 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

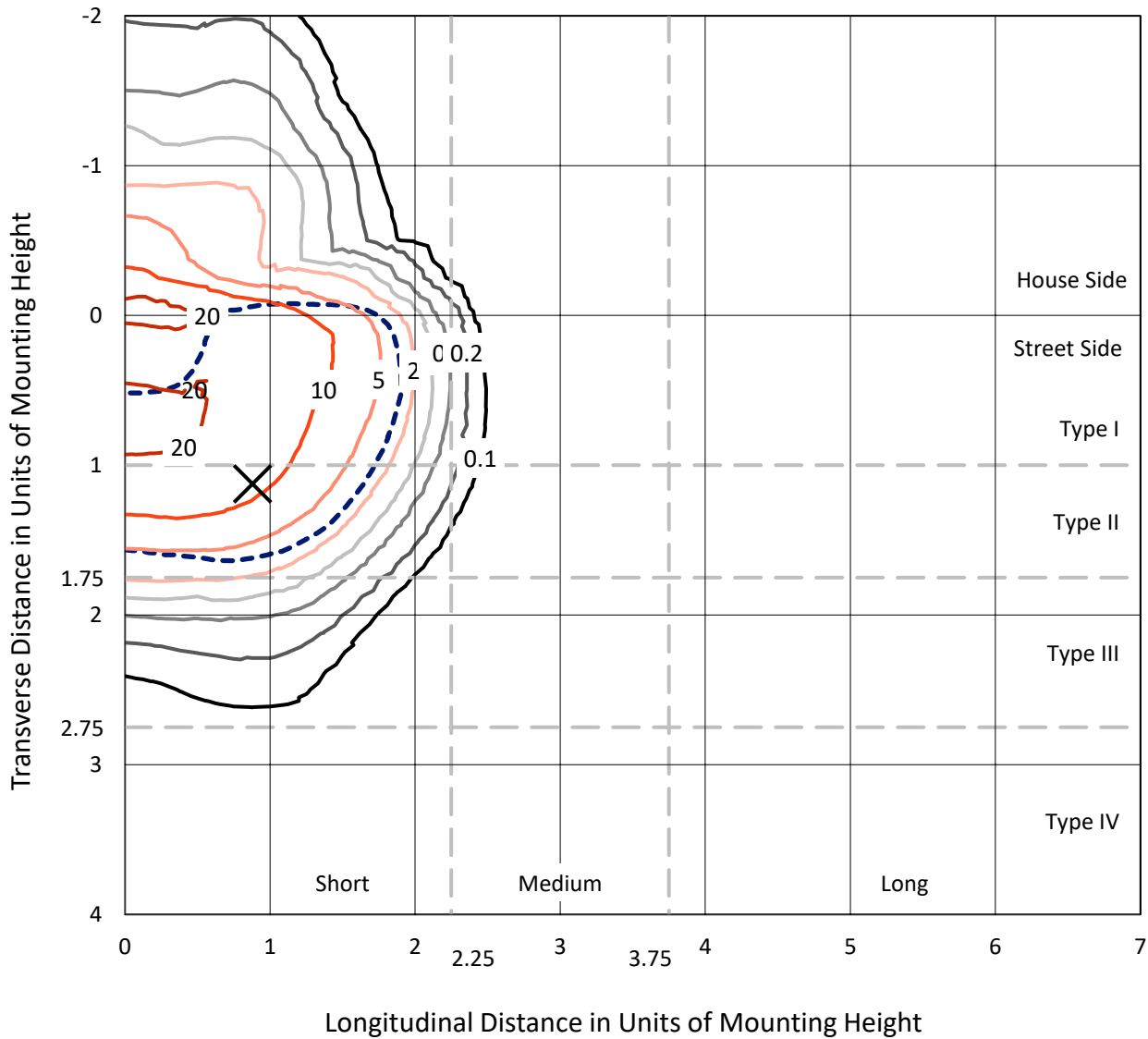
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

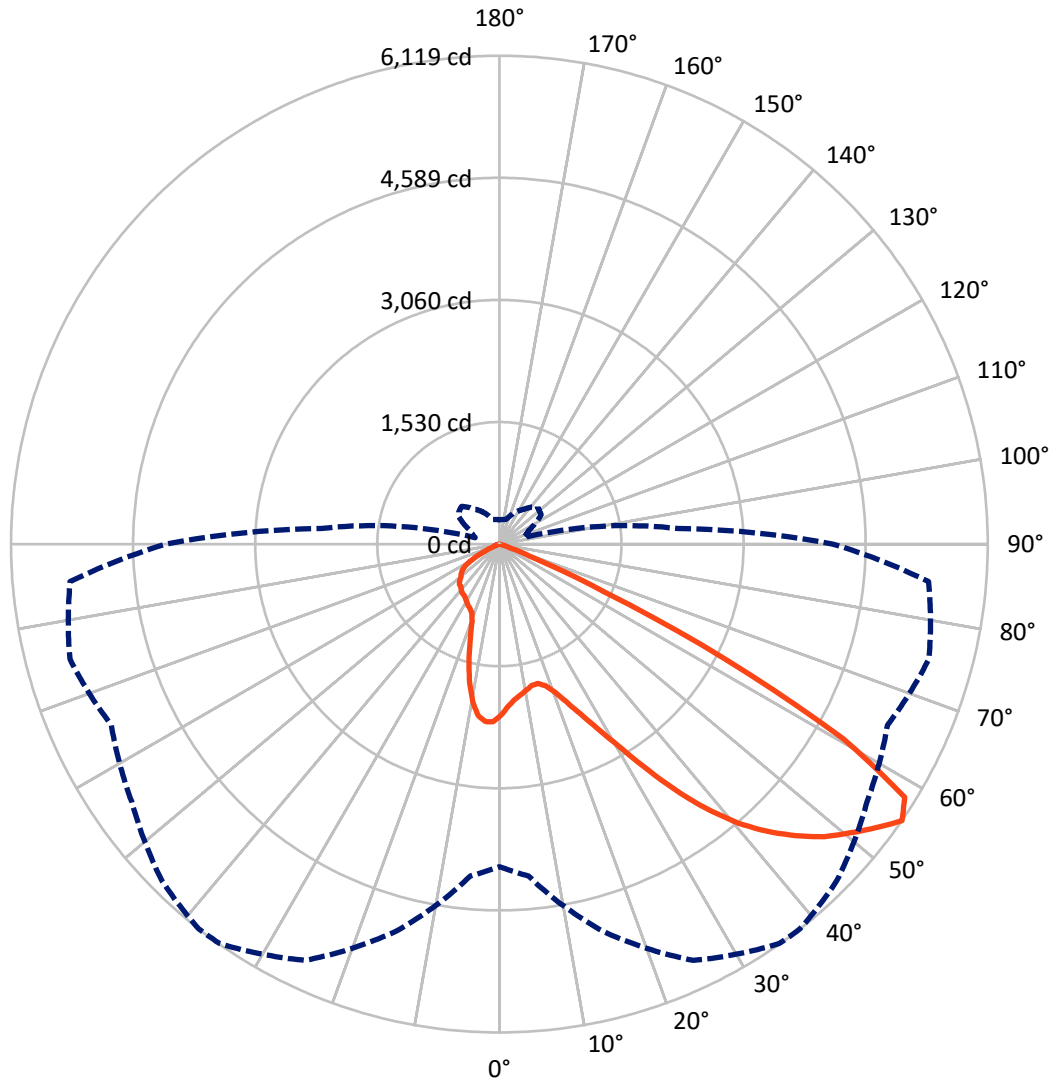
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.4 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	1743.6	0.0	1743.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	7205.9	0.0	7205.9
	% Fixture	80.5	0.0	80.5
Total	Lumens	8949.5	0.0	8949.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	2.2
10°-20°	534.2	6.0
20°-30°	916.8	10.2
30°-40°	1520.5	17.0
40°-50°	2235.2	25.0
50°-60°	2611.9	29.2
60°-70°	885.4	9.9
70°-80°	45.3	0.5
80°-90°	1.8	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°	8949.5	100.0
0°-180°	8949.5	100.0

Coefficient of Utilization

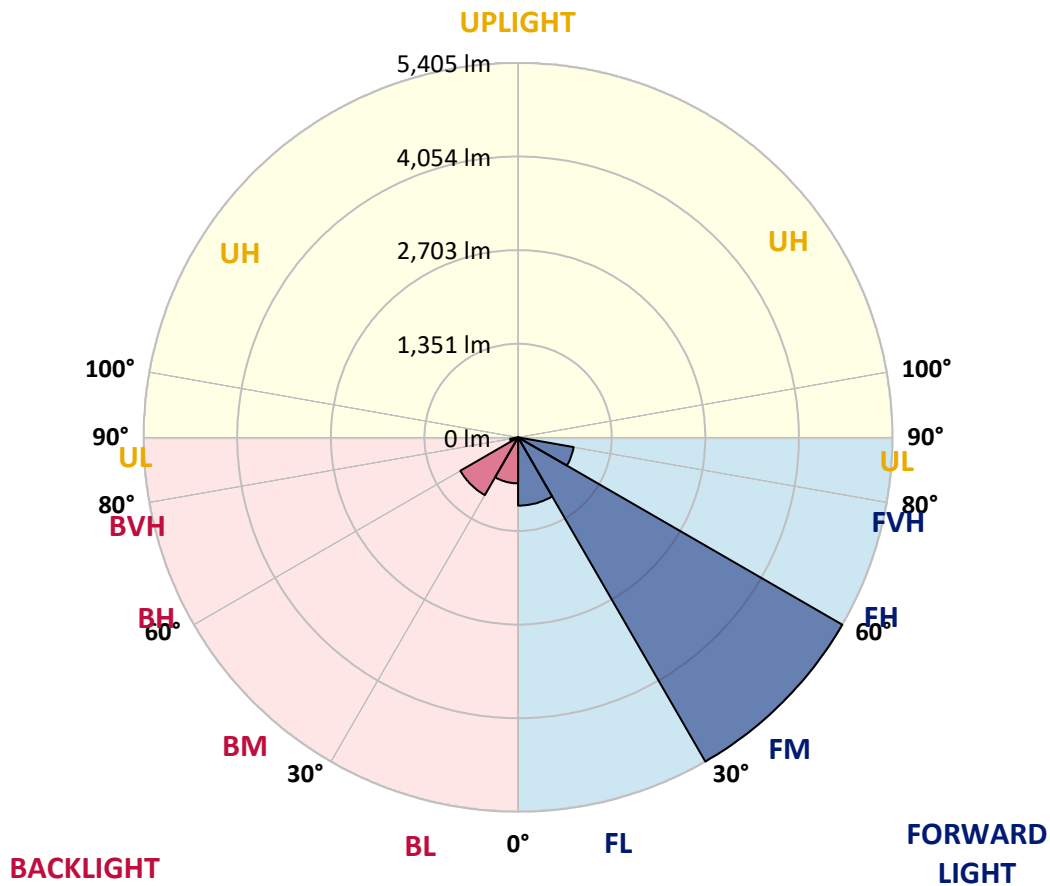


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	985.1	11.0			
FM (30°-60°)	5405.3	60.4			
FH (60°-80°)	814.5	9.1			G1/1800
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	664.3	7.4	B2/1000		
BM (30°-60°)	962.4	10.8	B1/1000		
BH (60°-80°)	116.1	1.3	B1/500		G1/500
BVH (80°-90°)	0.8	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°	38°	45°	55°	65°	75°	85°
0°	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2
2.5°	1998.9	1994.8	2002.9	2019.3	2034.7	2039.8	2055.1	2076.6	2089.9	2121.6	2147.2
5°	1908.8	1906.8	1915.0	1929.3	1949.8	1956.9	1980.4	2016.2	2052.0	2107.3	2161.5
7.5°	1827.0	1826.0	1838.2	1870.0	1899.6	1908.8	1937.5	1981.5	2029.5	2114.4	2194.2
10°	1719.6	1720.6	1744.1	1789.1	1843.4	1861.8	1907.8	1971.2	2033.6	2143.1	2253.6
12.5°	1684.8	1686.9	1699.1	1733.9	1793.2	1816.8	1881.2	1977.4	2057.2	2184.0	2330.3
15°	1769.7	1769.7	1759.5	1763.6	1790.2	1811.7	1879.2	1997.8	2097.1	2233.1	2406.0
17.5°	1934.4	1928.3	1902.7	1867.9	1858.7	1865.9	1920.1	2041.8	2153.3	2290.4	2491.9
20°	2157.4	2159.5	2109.3	2036.7	1978.4	1977.4	2010.1	2119.6	2234.1	2358.9	2585.0
22.5°	2427.5	2419.3	2352.8	2253.6	2152.3	2144.1	2157.4	2238.2	2350.7	2467.4	2699.6
25°	2740.5	2736.4	2642.3	2509.3	2375.3	2355.9	2355.9	2435.7	2517.5	2621.8	2836.7
27.5°	3067.8	3067.8	2976.8	2823.4	2645.4	2610.6	2605.5	2699.6	2753.8	2774.3	2952.2
30°	3404.4	3400.3	3310.3	3152.7	2962.5	2926.7	2912.4	2981.9	3020.8	2959.4	3096.5
32.5°	3746.1	3753.2	3662.2	3515.9	3346.1	3322.6	3278.6	3278.6	3310.3	3224.4	3323.6
35°	4113.3	4111.3	4039.6	3940.4	3795.2	3768.6	3695.9	3582.4	3630.5	3592.6	3637.6
37.5°	4437.6	4452.9	4418.1	4344.5	4226.8	4200.3	4080.6	3875.0	3911.8	3971.1	4011.0
40°	4767.0	4779.2	4814.0	4790.5	4642.2	4593.1	4380.3	4042.7	4083.6	4287.2	4401.8
42.5°	5090.2	5096.4	5166.9	5205.8	5007.4	4921.4	4607.4	4145.0	4188.0	4534.8	4735.3
45°	5295.8	5309.1	5425.8	5544.4	5329.6	5212.0	4804.8	4276.0	4294.4	4706.6	4981.8
47.5°	5287.7	5318.3	5537.3	5753.1	5606.8	5480.0	5042.1	4485.7	4455.0	4868.2	5144.4
50°	5123.0	5159.8	5473.8	5816.5	5806.3	5688.7	5306.1	4789.5	4693.3	5011.5	5164.9
52.5°	4781.3	4887.7	5362.3	5824.7	5966.9	5907.6	5632.4	5198.7	5015.5	5217.1	5197.6
55°	4042.7	4173.7	5023.7	5755.1	6112.2	6119.3	5975.1	5625.2	5365.4	5571.0	5399.2
57.5°	3068.9	3173.2	3866.8	5123.0	5871.8	5989.4	6108.1	5850.3	5581.2	5812.4	5446.2
60°	1849.5	1970.2	2421.3	3759.4	4742.4	4942.9	5408.4	5358.2	5034.0	5133.2	4466.2
62.5°	749.8	813.2	1118.1	2071.5	2985.0	3172.2	3618.2	3693.9	3614.1	3512.8	2708.8
65°	274.2	299.7	448.1	856.2	1372.8	1441.3	1676.6	1810.6	1921.1	1635.7	1007.6
67.5°	169.8	186.2	291.5	439.9	499.2	464.4	472.6	563.6	538.1	332.5	180.0
70°	125.8	139.1	228.1	304.8	201.5	155.5	105.4	112.5	101.3	89.0	88.0
72.5°	87.0	99.2	170.8	180.0	77.7	55.2	38.9	54.2	61.4	60.4	62.4
75°	57.3	66.5	107.4	70.6	19.4	15.3	13.3	28.6	36.8	36.8	37.8
77.5°	33.8	38.9	37.8	14.3	4.1	4.1	3.1	5.1	8.2	9.2	11.3
80°	4.1	3.1	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1
82.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1
85°	0.0	0.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1
87.5°	0.0	0.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1
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°	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2
2.5°	2166.6	2159.5	2189.1	2210.6	2228.0	2236.2	2224.9	2223.9	2223.9	2201.4	2195.3
5°	2192.2	2195.3	2237.2	2255.6	2258.7	2248.5	2222.9	2205.5	2195.3	2171.7	2158.4
7.5°	2241.3	2251.5	2291.4	2288.3	2260.7	2213.7	2146.2	2094.0	2060.2	2023.4	2000.9
10°	2311.9	2331.3	2355.9	2312.9	2224.9	2105.2	1966.1	1866.9	1807.6	1765.6	1740.0
12.5°	2397.8	2417.2	2409.1	2307.8	2124.7	1910.9	1731.9	1588.6	1520.1	1482.3	1455.7
15°	2484.8	2497.0	2443.8	2246.4	1947.7	1660.3	1460.8	1318.6	1234.7	1204.0	1181.5
17.5°	2573.8	2570.7	2450.0	2125.7	1711.4	1377.9	1181.5	1084.3	1060.8	1055.7	1053.6
20°	2666.8	2639.2	2425.4	1952.8	1427.0	1098.7	987.2	993.3	1036.3	1056.7	1060.8
22.5°	2773.2	2703.7	2364.0	1718.6	1136.5	915.5	926.8	987.2	1045.5	1073.1	1077.2
25°	2886.8	2763.0	2261.8	1417.8	896.1	841.9	908.4	977.9	1040.3	1074.1	1078.2
27.5°	2961.5	2777.3	2094.0	1115.0	769.3	813.2	883.8	950.3	1014.8	1051.6	1056.7
30°	3042.3	2771.2	1865.9	859.3	726.3	788.7	850.1	910.4	969.8	1010.7	1014.8
32.5°	3160.9	2767.1	1587.6	697.7	708.9	769.3	814.3	864.4	905.3	928.8	925.8
35°	3316.4	2762.0	1263.3	629.1	698.7	753.9	789.7	813.2	768.2	753.9	757.0
37.5°	3515.9	2774.3	990.2	600.5	695.6	749.8	780.5	713.0	643.4	616.8	612.7
40°	3736.9	2806.0	754.9	589.2	705.8	760.1	745.7	634.2	548.3	496.1	484.9
42.5°	3958.8	2840.7	597.4	585.1	723.2	788.7	688.4	576.9	448.1	418.4	414.3
45°	4123.5	2834.6	516.6	578.0	738.6	805.1	673.1	495.1	400.0	386.7	387.7
47.5°	4206.4	2767.1	472.6	561.6	744.7	788.7	635.3	461.4	367.2	381.6	393.8
50°	4162.4	2592.2	431.7	529.9	731.4	767.2	574.9	435.8	350.9	410.2	437.8
52.5°	4109.2	2377.3	386.7	480.8	699.7	737.6	551.4	428.6	340.6	395.9	416.3
55°	4179.8	2241.3	313.0	405.1	637.3	668.0	533.0	427.6	317.1	307.9	304.8
57.5°	4080.6	1970.2	224.0	291.5	489.0	528.9	519.7	420.4	281.3	280.3	284.4
60°	3153.8	1202.0	153.4	185.2	299.7	337.6	471.6	402.0	242.4	223.0	224.0
62.5°	1792.2	511.5	105.4	114.6	153.4	182.1	360.1	365.2	224.0	212.8	224.0
65°	624.0	183.1	81.8	76.7	84.9	97.2	206.6	282.3	203.6	184.1	186.2
67.5°	128.9	91.0	72.6	63.4	63.4	63.4	105.4	175.9	167.8	146.3	148.3
70°	81.8	77.7	63.4	54.2	52.2	48.1	60.4	97.2	115.6	106.4	107.4
72.5°	60.4	59.3	50.1	44.0	38.9	34.8	37.8	48.1	59.3	61.4	62.4
75°	36.8	37.8	32.7	27.6	24.6	21.5	22.5	22.5	22.5	20.5	22.5
77.5°	11.3	12.3	10.2	8.2	7.2	7.2	7.2	6.1	5.1	3.1	3.1
80°	3.1	3.1	3.1	3.1	3.1	2.0	2.0	1.0	1.0	0.0	0.0
82.5°	3.1	3.1	3.1	3.1	2.0	2.0	1.0	1.0	0.0	0.0	0.0
85°	3.1	3.1	3.1	3.1	2.0	2.0	1.0	1.0	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	2.0	2.0	1.0	1.0	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)