

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: P634925

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634925  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

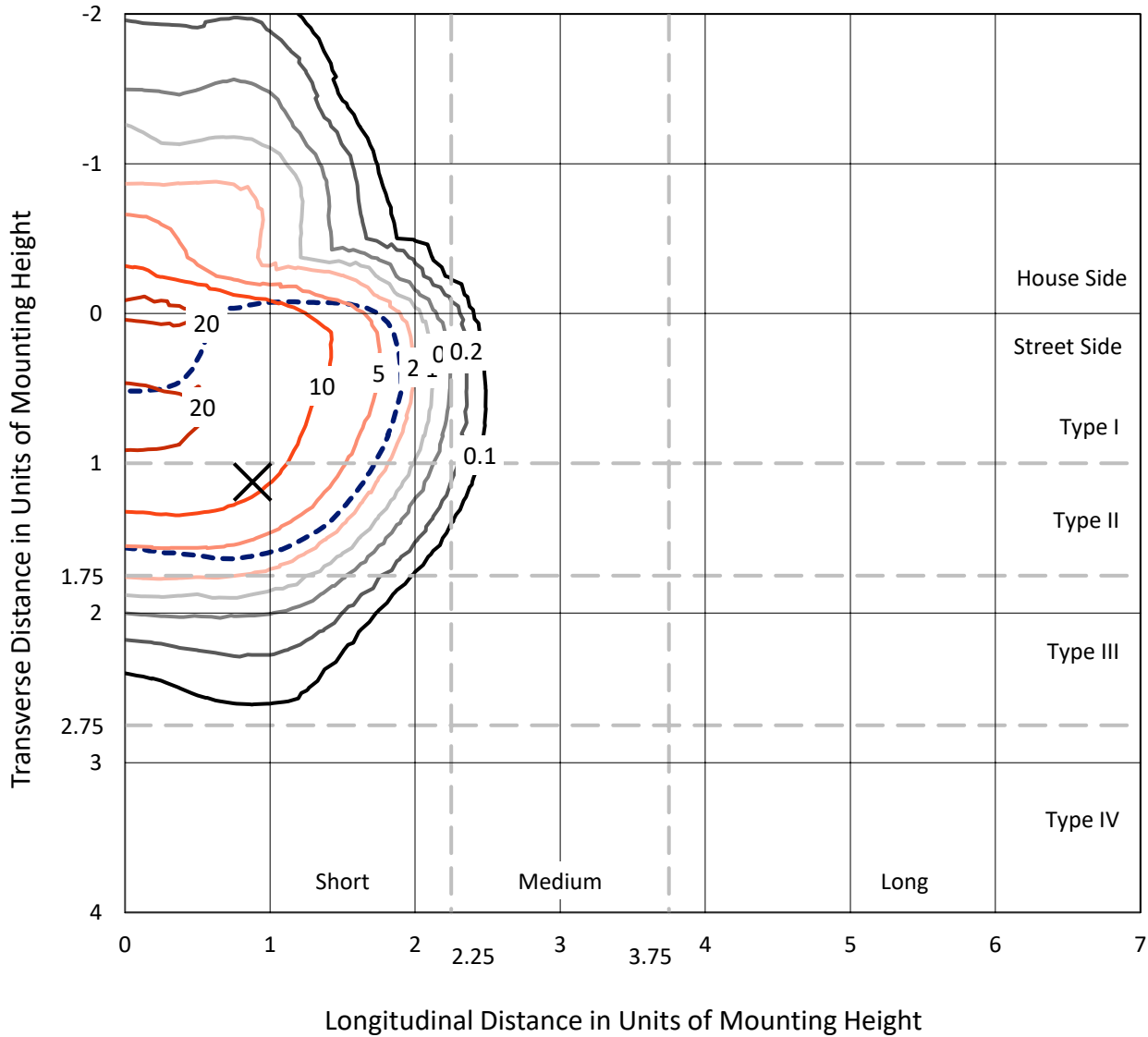
Lumens per Lamp: N/A  
Luminaire Lumens: 8826.8 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

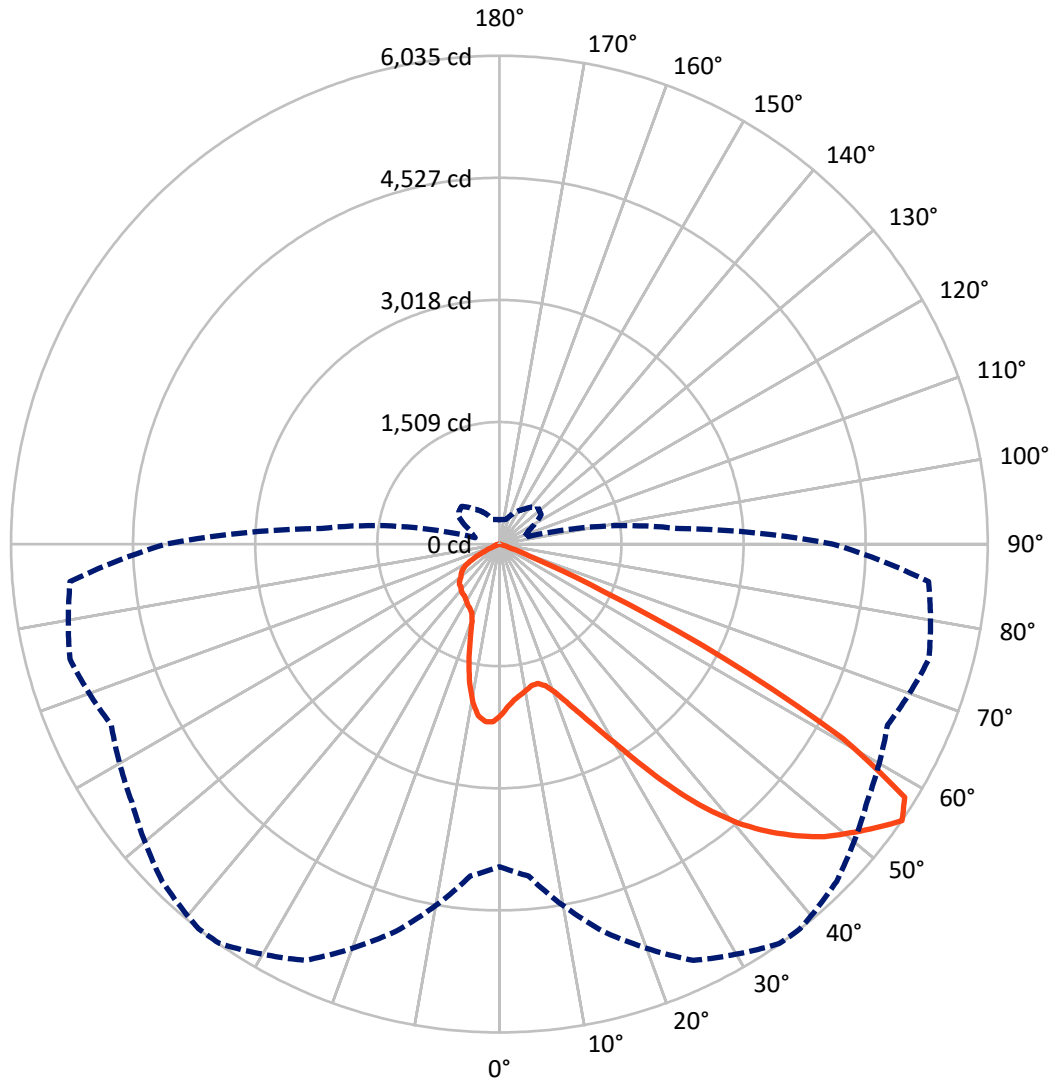
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.1 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
<b>House Side</b>	Lumens	1719.7	0.0	1719.7
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	7107.1	0.0	7107.1
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	8826.8	0.0	8826.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.7	2.2
10°-20°	526.9	6.0
20°-30°	904.2	10.2
30°-40°	1499.7	17.0
40°-50°	2204.6	25.0
50°-60°	2576.1	29.2
60°-70°	873.2	9.9
70°-80°	44.6	0.5
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°	8826.8	100.0
0°-180°	8826.8	100.0

**Coefficient of Utilization**



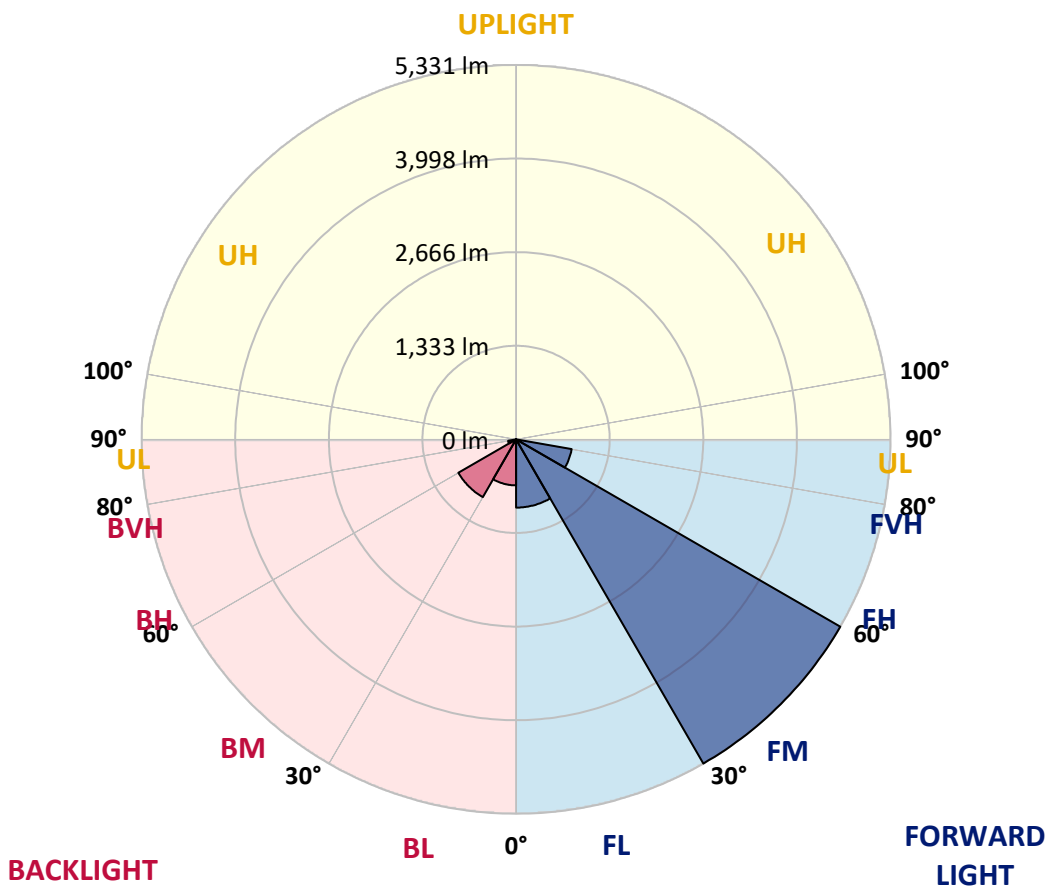
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	971.6	11.0			
FM (30°-60°)	5331.1	60.4			
FH (60°-80°)	803.4	9.1			G1/1800
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	655.2	7.4	B2/1000		
BM (30°-60°)	949.2	10.8	B1/1000		
BH (60°-80°)	114.5	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°	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7
2.5°	1971.4	1967.4	1975.5	1991.6	2006.8	2011.8	2026.9	2048.1	2061.2	2092.5	2117.7
5°	1882.7	1880.6	1888.7	1902.8	1923.0	1930.1	1953.3	1988.6	2023.9	2078.4	2131.9
7.5°	1801.9	1800.9	1813.0	1844.3	1873.6	1882.7	1910.9	1954.3	2001.7	2085.5	2164.2
10°	1696.0	1697.0	1720.2	1764.6	1818.1	1836.3	1881.7	1944.2	2005.8	2113.7	2222.7
12.5°	1661.7	1663.7	1675.8	1710.1	1768.7	1791.9	1855.4	1950.3	2029.0	2154.1	2298.3
15°	1745.4	1745.4	1735.4	1739.4	1765.6	1786.8	1853.4	1970.4	2068.3	2202.5	2373.0
17.5°	1907.9	1901.8	1876.6	1842.3	1833.2	1840.3	1893.8	2013.8	2123.8	2259.0	2457.8
20°	2127.8	2129.9	2080.4	2008.8	1951.3	1950.3	1982.5	2090.5	2203.5	2326.6	2549.6
22.5°	2394.2	2386.1	2320.5	2222.7	2122.8	2114.7	2127.8	2207.5	2318.5	2433.5	2662.6
25°	2702.9	2698.9	2606.1	2474.9	2342.7	2323.6	2323.6	2402.3	2483.0	2585.9	2797.8
27.5°	3025.8	3025.8	2936.0	2784.6	2609.1	2574.8	2569.7	2662.6	2716.0	2736.2	2911.8
30°	3357.7	3353.7	3264.9	3109.5	2921.9	2886.5	2872.4	2941.0	2979.4	2918.8	3054.0
32.5°	3694.7	3701.8	3612.0	3467.7	3300.2	3277.0	3233.6	3233.6	3264.9	3180.1	3278.0
35°	4056.9	4054.9	3984.3	3886.4	3743.1	3716.9	3645.3	3533.3	3580.7	3543.4	3587.8
37.5°	4376.7	4391.9	4357.6	4284.9	4168.9	4142.7	4024.6	3821.8	3858.1	3916.7	3956.0
40°	4701.6	4713.7	4748.0	4724.8	4578.5	4530.1	4320.2	3987.3	4027.6	4228.4	4341.4
42.5°	5020.4	5026.5	5096.1	5134.4	4938.7	4854.0	4544.2	4088.2	4130.6	4472.6	4670.3
45°	5223.2	5236.3	5351.4	5468.4	5256.5	5140.5	4738.9	4217.3	4235.5	4642.1	4913.5
47.5°	5215.2	5245.4	5461.3	5674.2	5529.9	5404.8	4973.0	4424.2	4393.9	4801.5	5073.9
50°	5052.7	5089.0	5398.8	5736.8	5726.7	5610.7	5233.3	4723.8	4629.0	4942.7	5094.1
52.5°	4715.7	4820.7	5288.8	5744.8	5885.1	5826.6	5555.2	5127.4	4946.8	5145.5	5126.4
55°	3987.3	4116.4	4954.9	5676.2	6028.4	6035.4	5893.2	5548.1	5291.8	5494.6	5325.1
57.5°	3026.8	3129.7	3813.8	5052.7	5791.3	5907.3	6024.3	5770.1	5504.7	5732.7	5371.5
60°	1824.1	1943.2	2388.1	3707.8	4677.4	4875.1	5334.2	5284.8	4964.9	5062.8	4405.0
62.5°	739.5	802.1	1102.8	2043.1	2944.1	3128.7	3568.6	3643.2	3564.5	3464.7	2671.6
65°	270.4	295.6	441.9	844.5	1354.0	1421.6	1653.6	1785.8	1894.8	1613.3	993.8
67.5°	167.5	183.6	287.5	433.8	492.4	458.1	466.1	555.9	530.7	327.9	177.6
70°	124.1	137.2	225.0	300.7	198.8	153.4	103.9	111.0	99.9	87.8	86.8
72.5°	85.8	97.9	168.5	177.6	76.7	54.5	38.3	53.5	60.5	59.5	61.5
75°	56.5	65.6	105.9	69.6	19.2	15.1	13.1	28.3	36.3	36.3	37.3
77.5°	33.3	38.3	37.3	14.1	4.0	4.0	3.0	5.0	8.1	9.1	11.1
80°	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
82.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
85°	0.0	0.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
87.5°	0.0	0.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
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°	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7	2116.7
2.5°	2136.9	2129.9	2159.1	2180.3	2197.4	2205.5	2194.4	2193.4	2193.4	2171.2	2165.2
5°	2162.1	2165.2	2206.5	2224.7	2227.7	2217.6	2192.4	2175.3	2165.2	2142.0	2128.8
7.5°	2210.6	2220.7	2260.0	2257.0	2229.7	2183.3	2116.7	2065.3	2032.0	1995.7	1973.5
10°	2280.2	2299.4	2323.6	2281.2	2194.4	2076.4	1939.2	1841.3	1782.8	1741.4	1716.2
12.5°	2364.9	2384.1	2376.0	2276.1	2095.5	1884.7	1708.1	1566.9	1499.3	1461.9	1435.7
15°	2450.7	2462.8	2410.3	2215.6	1921.0	1637.5	1440.8	1300.5	1217.8	1187.5	1165.3
17.5°	2538.5	2535.4	2416.4	2096.6	1687.9	1359.0	1165.3	1069.5	1046.3	1041.2	1039.2
20°	2630.3	2603.0	2392.2	1926.0	1407.5	1083.6	973.6	979.7	1022.0	1042.2	1046.3
22.5°	2735.2	2666.6	2331.6	1695.0	1120.9	903.0	914.1	973.6	1031.1	1058.4	1062.4
25°	2847.2	2725.1	2230.7	1398.4	883.8	830.3	895.9	964.5	1026.1	1059.4	1063.4
27.5°	2920.9	2739.2	2065.3	1099.7	758.7	802.1	871.7	937.3	1000.9	1037.2	1042.2
30°	3000.6	2733.2	1840.3	847.5	716.3	777.9	838.4	897.9	956.5	996.8	1000.9
32.5°	3117.6	2729.2	1565.9	688.1	699.2	758.7	803.1	852.5	892.9	916.1	913.1
35°	3270.9	2724.1	1246.0	620.5	689.1	743.6	778.9	802.1	757.7	743.6	746.6
37.5°	3467.7	2736.2	976.6	592.2	686.1	739.5	769.8	703.2	634.6	608.4	604.3
40°	3685.6	2767.5	744.6	581.1	696.2	749.6	735.5	625.5	540.8	489.3	478.2
42.5°	3904.6	2801.8	589.2	577.1	713.3	777.9	679.0	569.0	441.9	412.7	408.6
45°	4067.0	2795.7	509.5	570.0	728.4	794.0	663.9	488.3	394.5	381.4	382.4
47.5°	4148.7	2729.2	466.1	553.9	734.5	777.9	626.5	455.0	362.2	376.3	388.4
50°	4105.3	2556.6	425.8	522.6	721.4	756.7	567.0	429.8	346.1	404.6	431.8
52.5°	4052.9	2344.8	381.4	474.2	690.1	727.4	543.8	422.7	336.0	390.5	410.6
55°	4122.5	2210.6	308.7	399.5	628.6	658.8	525.7	421.7	312.8	303.7	300.7
57.5°	4024.6	1943.2	221.0	287.5	482.3	521.6	512.5	414.7	277.5	276.4	280.5
60°	3110.5	1185.5	151.3	182.6	295.6	332.9	465.1	396.5	239.1	219.9	221.0
62.5°	1767.6	504.5	103.9	113.0	151.3	179.6	355.1	360.2	221.0	209.9	221.0
65°	615.4	180.6	80.7	75.7	83.7	95.8	203.8	278.5	200.8	181.6	183.6
67.5°	127.1	89.8	71.6	62.6	62.6	62.6	103.9	173.5	165.5	144.3	146.3
70°	80.7	76.7	62.6	53.5	51.5	47.4	59.5	95.8	114.0	104.9	105.9
72.5°	59.5	58.5	49.4	43.4	38.3	34.3	37.3	47.4	58.5	60.5	61.5
75°	36.3	37.3	32.3	27.2	24.2	21.2	22.2	22.2	22.2	20.2	22.2
77.5°	11.1	12.1	10.1	8.1	7.1	7.1	7.1	6.1	5.0	3.0	3.0
80°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0
82.5°	3.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
85°	3.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	3.0	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)