

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: P634815

Luminaire Tested: GWS-SA3C-740-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634815  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

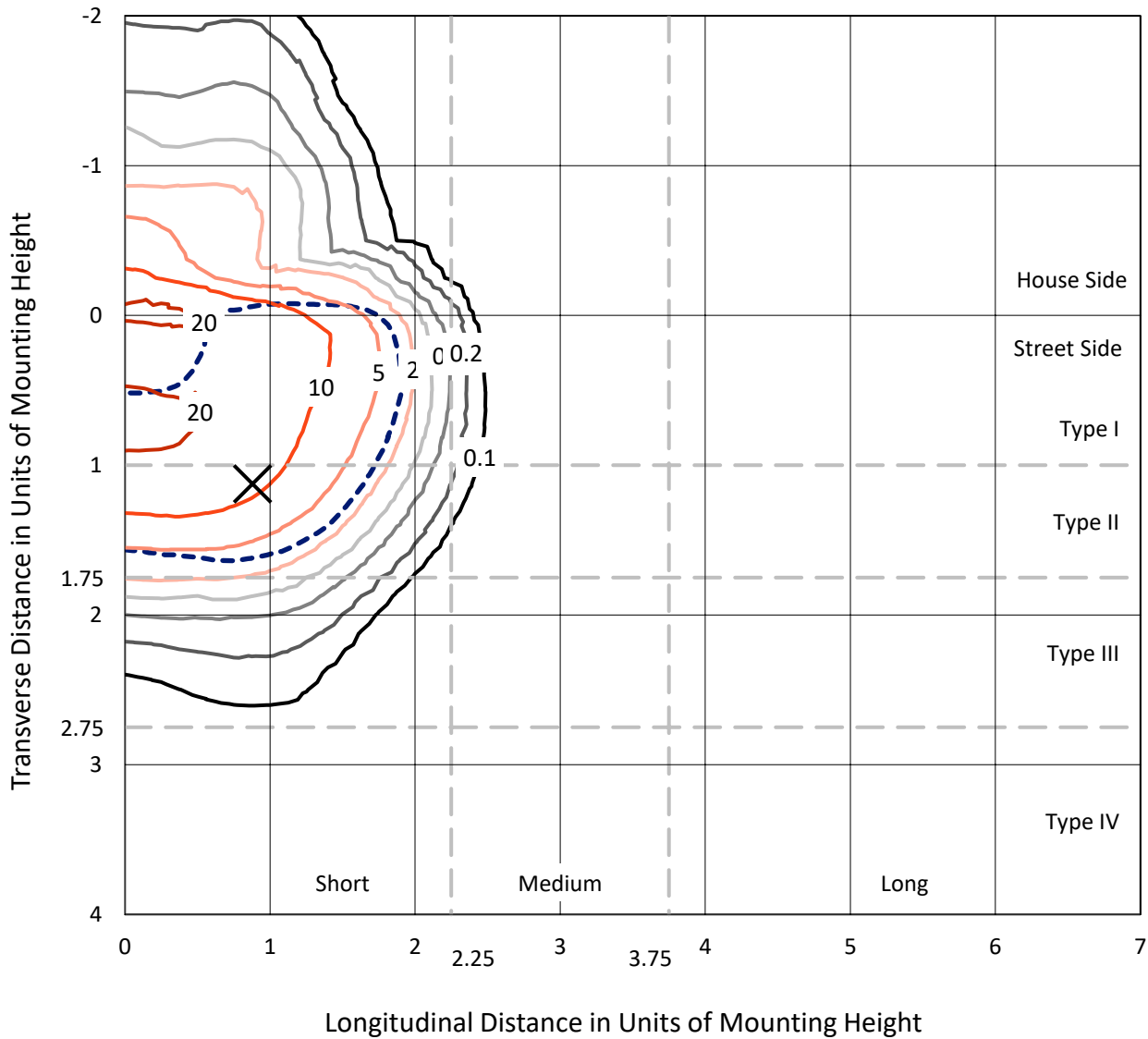
Lumens per Lamp: N/A  
Luminaire Lumens: 8749 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

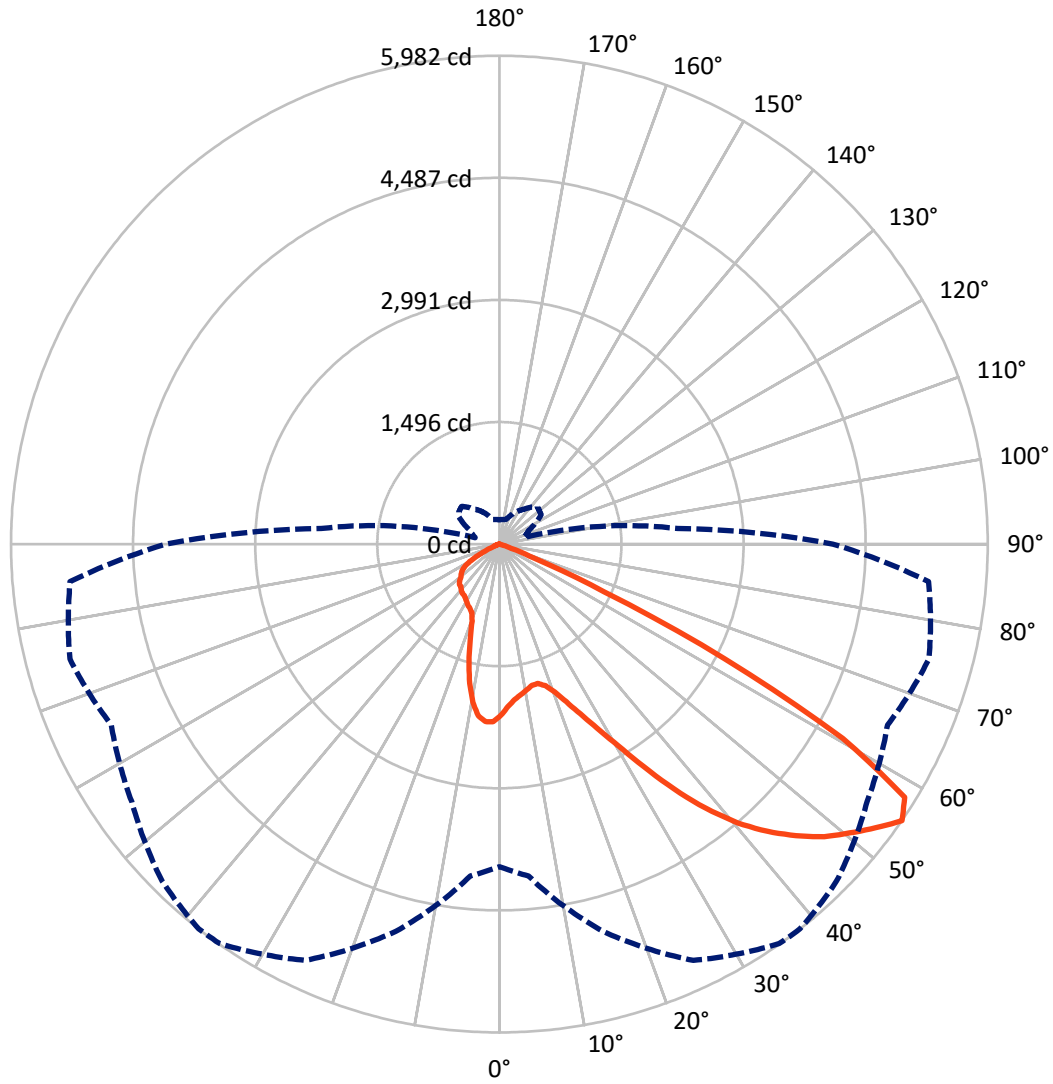
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.9 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
<b>House Side</b>	Lumens	1704.5	0.0	1704.5
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	7044.4	0.0	7044.4
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	8749.0	0.0	8749.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.0	2.2
10°-20°	522.3	6.0
20°-30°	896.2	10.2
30°-40°	1486.4	17.0
40°-50°	2185.1	25.0
50°-60°	2553.4	29.2
60°-70°	865.5	9.9
70°-80°	44.2	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°	8749.0	100.0
0°-180°	8749.0	100.0

**Coefficient of Utilization**



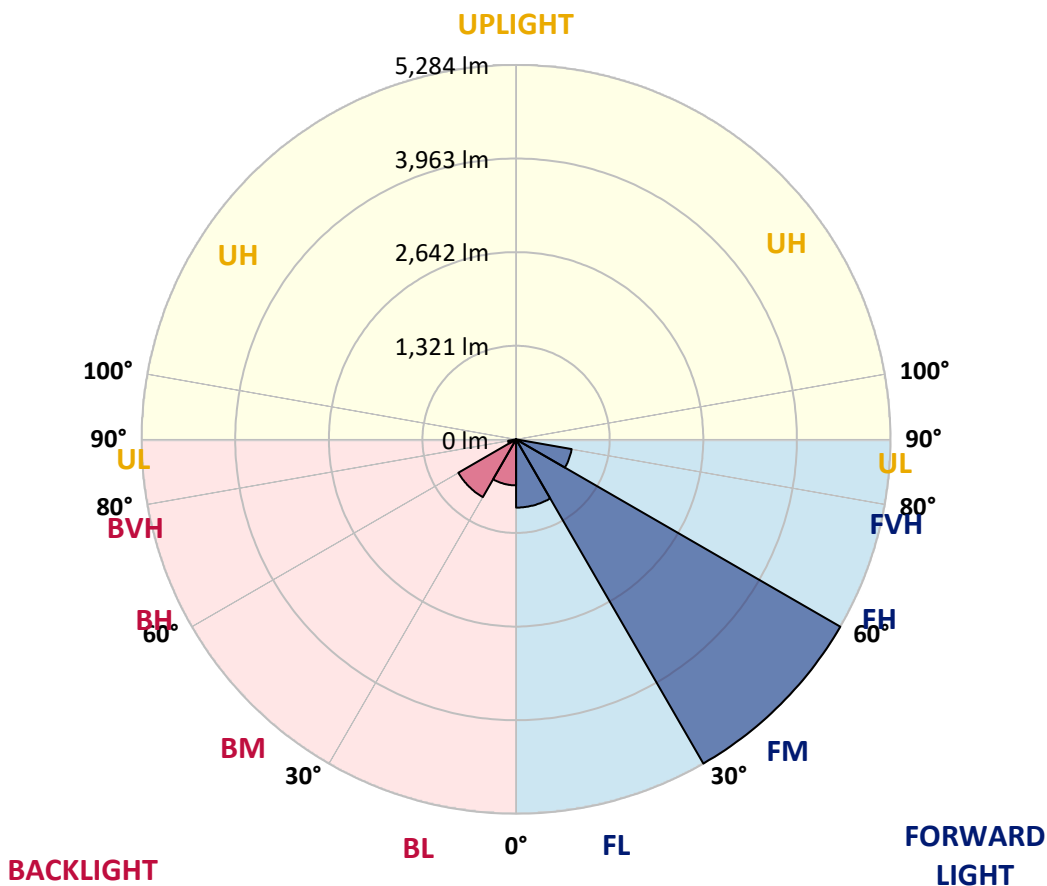
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	963.1	11.0			
FM (30°-60°)	5284.2	60.4			
FH (60°-80°)	796.3	9.1			G1/1800
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	649.4	7.4	B2/1000		
BM (30°-60°)	940.8	10.8	B1/1000		
BH (60°-80°)	113.5	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°	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1
2.5°	1954.1	1950.1	1958.1	1974.1	1989.1	1994.1	2009.1	2030.1	2043.1	2074.1	2099.1
5°	1866.1	1864.1	1872.1	1886.1	1906.1	1913.1	1936.1	1971.1	2006.1	2060.1	2113.1
7.5°	1786.1	1785.1	1797.1	1828.1	1857.1	1866.1	1894.1	1937.1	1984.1	2067.1	2145.1
10°	1681.1	1682.1	1705.1	1749.1	1802.1	1820.1	1865.1	1927.1	1988.1	2095.1	2203.1
12.5°	1647.1	1649.1	1661.1	1695.1	1753.1	1776.1	1839.1	1933.1	2011.1	2135.1	2278.1
15°	1730.1	1730.1	1720.1	1724.1	1750.1	1771.1	1837.1	1953.1	2050.1	2183.1	2352.1
17.5°	1891.1	1885.1	1860.1	1826.1	1817.1	1824.1	1877.1	1996.1	2105.1	2239.1	2436.1
20°	2109.1	2111.1	2062.1	1991.1	1934.1	1933.1	1965.1	2072.1	2184.1	2306.1	2527.1
22.5°	2373.1	2365.1	2300.1	2203.1	2104.1	2096.1	2109.1	2188.1	2298.1	2412.1	2639.1
25°	2679.1	2675.1	2583.1	2453.1	2322.1	2303.1	2303.1	2381.1	2461.1	2563.1	2773.1
27.5°	2999.1	2999.1	2910.1	2760.1	2586.1	2552.1	2547.1	2639.1	2692.1	2712.1	2886.1
30°	3328.1	3324.1	3236.1	3082.1	2896.1	2861.1	2847.1	2915.1	2953.1	2893.1	3027.1
32.5°	3662.1	3669.1	3580.1	3437.1	3271.1	3248.1	3205.1	3205.1	3236.1	3152.1	3249.1
35°	4021.1	4019.1	3949.1	3852.1	3710.1	3684.1	3613.1	3502.1	3549.1	3512.1	3556.1
37.5°	4338.2	4353.2	4319.2	4247.2	4132.2	4106.2	3989.1	3788.1	3824.1	3882.1	3921.1
40°	4660.2	4672.2	4706.2	4683.2	4538.2	4490.2	4282.2	3952.1	3992.1	4191.2	4303.2
42.5°	4976.2	4982.2	5051.2	5089.2	4895.2	4811.2	4504.2	4052.1	4094.2	4433.2	4629.2
45°	5177.2	5190.2	5304.2	5420.2	5210.2	5095.2	4697.2	4180.2	4198.2	4601.2	4870.2
47.5°	5169.2	5199.2	5413.2	5624.2	5481.2	5357.2	4929.2	4385.2	4355.2	4759.2	5029.2
50°	5008.2	5044.2	5351.2	5686.2	5676.2	5561.2	5187.2	4682.2	4588.2	4899.2	5049.2
52.5°	4674.2	4778.2	5242.2	5694.2	5833.2	5775.2	5506.2	5082.2	4903.2	5100.2	5081.2
55°	3952.1	4080.2	4911.2	5626.2	5975.2	5982.2	5841.2	5499.2	5245.2	5446.2	5278.2
57.5°	3000.1	3102.1	3780.1	5008.2	5740.2	5855.2	5971.2	5719.2	5456.2	5682.2	5324.2
60°	1808.1	1926.1	2367.1	3675.1	4636.2	4832.2	5287.2	5238.2	4921.2	5018.2	4366.2
62.5°	733.0	795.0	1093.0	2025.1	2918.1	3101.1	3537.1	3611.1	3533.1	3434.1	2648.1
65°	268.0	293.0	438.0	837.0	1342.0	1409.1	1639.1	1770.1	1878.1	1599.1	985.0
67.5°	166.0	182.0	285.0	430.0	488.0	454.0	462.0	551.0	526.0	325.0	176.0
70°	123.0	136.0	223.0	298.0	197.0	152.0	103.0	110.0	99.0	87.0	86.0
72.5°	85.0	97.0	167.0	176.0	76.0	54.0	38.0	53.0	60.0	59.0	61.0
75°	56.0	65.0	105.0	69.0	19.0	15.0	13.0	28.0	36.0	36.0	37.0
77.5°	33.0	38.0	37.0	14.0	4.0	4.0	3.0	5.0	8.0	9.0	11.0
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°	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1	2098.1
2.5°	2118.1	2111.1	2140.1	2161.1	2178.1	2186.1	2175.1	2174.1	2174.1	2152.1	2146.1
5°	2143.1	2146.1	2187.1	2205.1	2208.1	2198.1	2173.1	2156.1	2146.1	2123.1	2110.1
7.5°	2191.1	2201.1	2240.1	2237.1	2210.1	2164.1	2098.1	2047.1	2014.1	1978.1	1956.1
10°	2260.1	2279.1	2303.1	2261.1	2175.1	2058.1	1922.1	1825.1	1767.1	1726.1	1701.1
12.5°	2344.1	2363.1	2355.1	2256.1	2077.1	1868.1	1693.1	1553.1	1486.1	1449.1	1423.1
15°	2429.1	2441.1	2389.1	2196.1	1904.1	1623.1	1428.1	1289.0	1207.0	1177.0	1155.0
17.5°	2516.1	2513.1	2395.1	2078.1	1673.1	1347.0	1155.0	1060.0	1037.0	1032.0	1030.0
20°	2607.1	2580.1	2371.1	1909.1	1395.1	1074.0	965.0	971.0	1013.0	1033.0	1037.0
22.5°	2711.1	2643.1	2311.1	1680.1	1111.0	895.0	906.0	965.0	1022.0	1049.0	1053.0
25°	2822.1	2701.1	2211.1	1386.1	876.0	823.0	888.0	956.0	1017.0	1050.0	1054.0
27.5°	2895.1	2715.1	2047.1	1090.0	752.0	795.0	864.0	929.0	992.0	1028.0	1033.0
30°	2974.1	2709.1	1824.1	840.0	710.0	771.0	831.0	890.0	948.0	988.0	992.0
32.5°	3090.1	2705.1	1552.1	682.0	693.0	752.0	796.0	845.0	885.0	908.0	905.0
35°	3242.1	2700.1	1235.0	615.0	683.0	737.0	772.0	795.0	751.0	737.0	740.0
37.5°	3437.1	2712.1	968.0	587.0	680.0	733.0	763.0	697.0	629.0	603.0	599.0
40°	3653.1	2743.1	738.0	576.0	690.0	743.0	729.0	620.0	536.0	485.0	474.0
42.5°	3870.1	2777.1	584.0	572.0	707.0	771.0	673.0	564.0	438.0	409.0	405.0
45°	4031.1	2771.1	505.0	565.0	722.0	787.0	658.0	484.0	391.0	378.0	379.0
47.5°	4112.2	2705.1	462.0	549.0	728.0	771.0	621.0	451.0	359.0	373.0	385.0
50°	4069.1	2534.1	422.0	518.0	715.0	750.0	562.0	426.0	343.0	401.0	428.0
52.5°	4017.1	2324.1	378.0	470.0	684.0	721.0	539.0	419.0	333.0	387.0	407.0
55°	4086.2	2191.1	306.0	396.0	623.0	653.0	521.0	418.0	310.0	301.0	298.0
57.5°	3989.1	1926.1	219.0	285.0	478.0	517.0	508.0	411.0	275.0	274.0	278.0
60°	3083.1	1175.0	150.0	181.0	293.0	330.0	461.0	393.0	237.0	218.0	219.0
62.5°	1752.1	500.0	103.0	112.0	150.0	178.0	352.0	357.0	219.0	208.0	219.0
65°	610.0	179.0	80.0	75.0	83.0	95.0	202.0	276.0	199.0	180.0	182.0
67.5°	126.0	89.0	71.0	62.0	62.0	62.0	103.0	172.0	164.0	143.0	145.0
70°	80.0	76.0	62.0	53.0	51.0	47.0	59.0	95.0	113.0	104.0	105.0
72.5°	59.0	58.0	49.0	43.0	38.0	34.0	37.0	47.0	58.0	60.0	61.0
75°	36.0	37.0	32.0	27.0	24.0	21.0	22.0	22.0	22.0	20.0	22.0
77.5°	11.0	12.0	10.0	8.0	7.0	7.0	7.0	6.0	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)