

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: P634858

Luminaire Tested: GWS-SA3C-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634858  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-750-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 8475.9 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

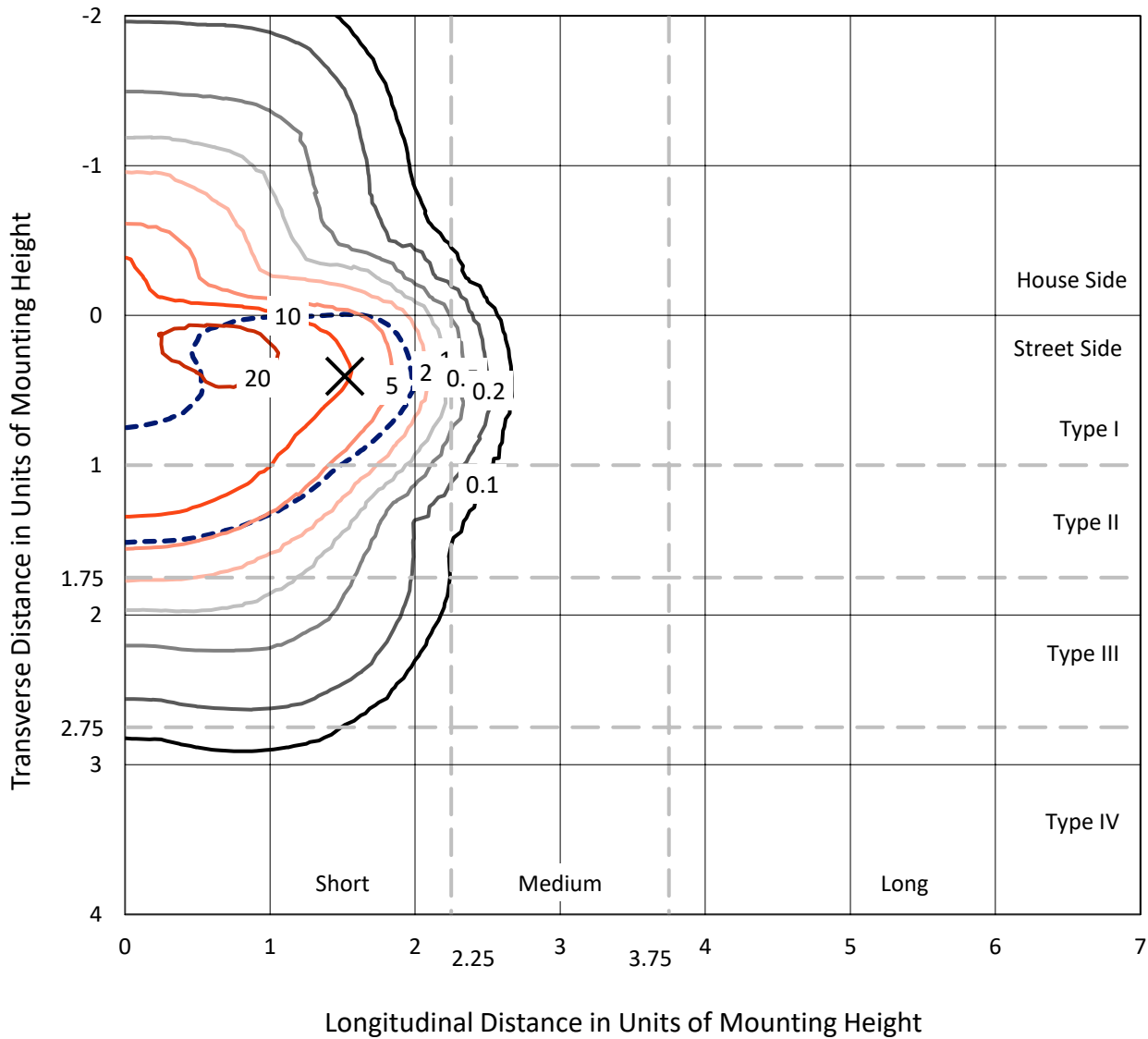
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

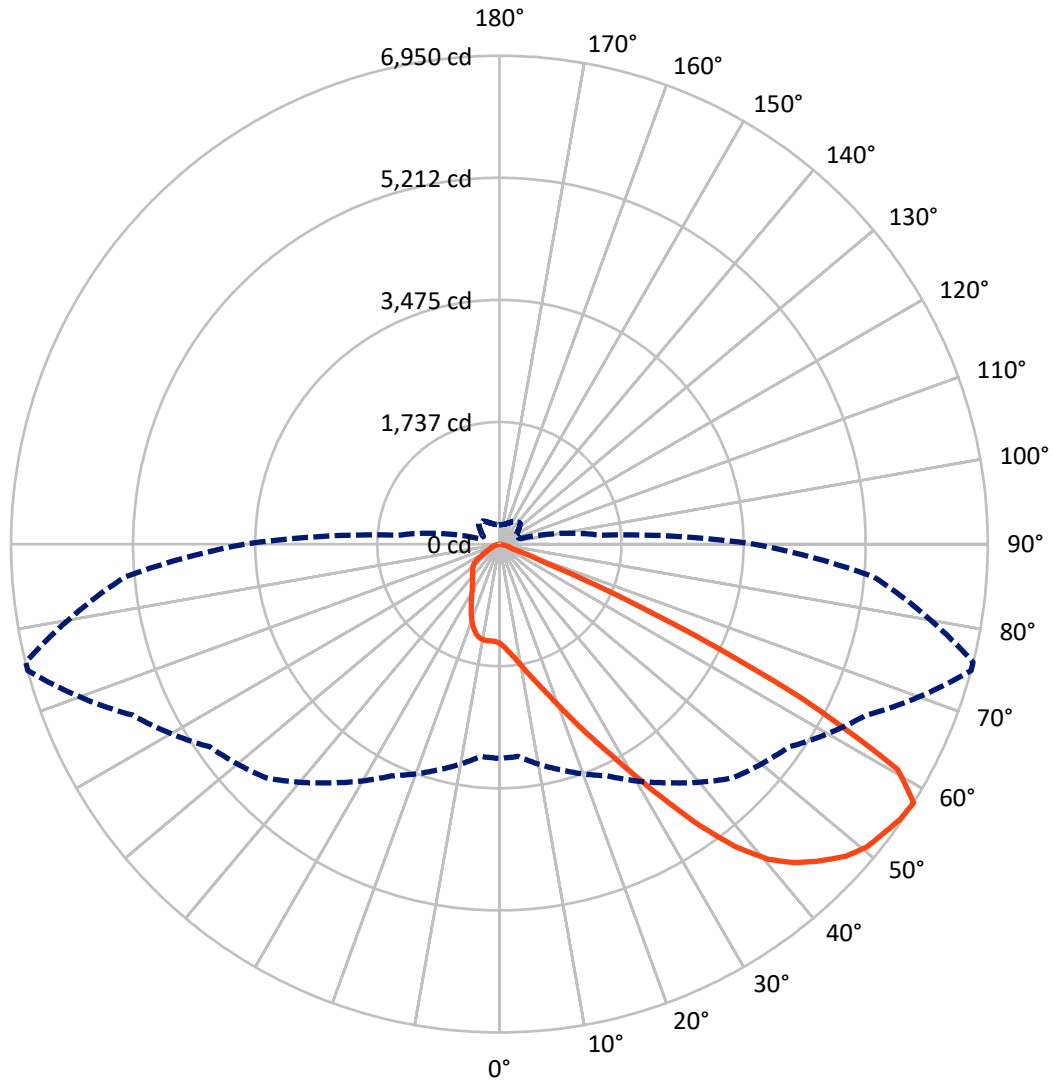
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1384.5	0.0	1384.5
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	7091.4	0.0	7091.4
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	8475.9	0.0	8475.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.9	1.7
10°-20°	467.3	5.5
20°-30°	855.7	10.1
30°-40°	1419.7	16.8
40°-50°	2168.3	25.6
50°-60°	2436.4	28.7
60°-70°	898.7	10.6
70°-80°	85.9	1.0
80°-90°	0.1	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°	8475.9	100.0
0°-180°	8475.9	100.0

**Coefficient of Utilization**



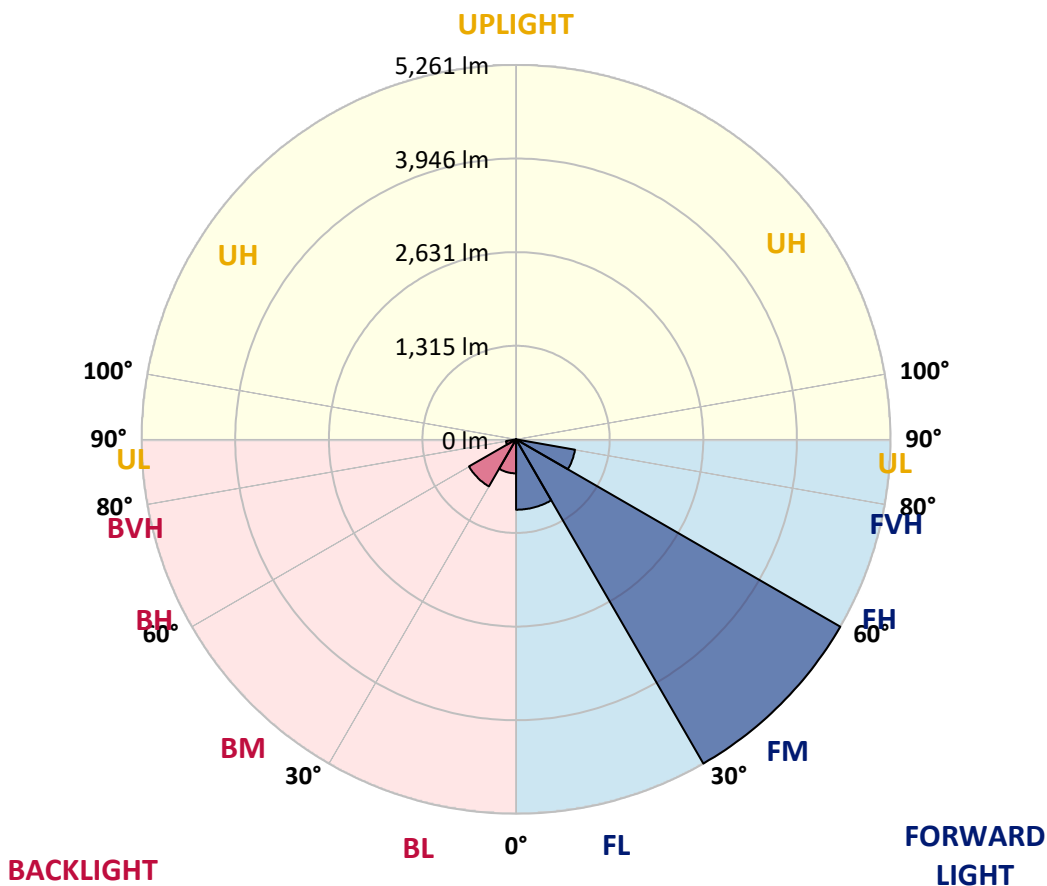
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	989.1	11.7			
FM (30°-60°)	5261.4	62.1			
FH (60°-80°)	840.8	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	477.7	5.6	B1/500		
BM (30°-60°)	763.0	9.0	B1/1000		
BH (60°-80°)	143.8	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	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-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7
2.5°	1579.4	1595.7	1590.6	1580.4	1574.3	1552.8	1539.5	1500.6	1473.0	1469.9	1444.3
5°	1778.8	1775.8	1771.7	1759.4	1749.2	1715.4	1675.5	1610.1	1551.8	1544.6	1490.4
7.5°	1888.3	1890.3	1892.4	1890.3	1883.2	1857.6	1813.6	1736.9	1647.9	1641.8	1555.8
10°	1933.3	1937.4	1947.6	1967.1	1984.4	1982.4	1956.8	1878.1	1768.6	1758.4	1642.8
12.5°	1954.8	1959.9	1976.3	2013.1	2060.1	2097.0	2101.1	2030.5	1909.8	1893.4	1746.1
15°	1984.4	1989.6	2010.0	2058.1	2126.6	2199.3	2246.3	2201.3	2066.3	2048.9	1859.7
17.5°	1997.7	2004.9	2034.6	2098.0	2187.0	2298.5	2404.9	2400.8	2251.4	2238.1	1991.6
20°	2023.3	2028.4	2055.0	2123.6	2231.0	2391.6	2570.6	2635.0	2477.5	2458.1	2151.2
22.5°	2104.1	2106.2	2118.4	2161.4	2261.7	2459.1	2739.4	2908.1	2744.5	2718.9	2330.2
25°	2236.1	2235.1	2240.2	2247.3	2321.0	2527.6	2902.0	3216.0	3050.3	3022.7	2532.7
27.5°	2403.8	2403.8	2416.1	2395.7	2425.3	2612.5	3062.6	3570.0	3406.3	3367.4	2754.7
30°	2601.3	2600.2	2628.9	2596.1	2605.4	2746.5	3235.5	3955.6	3835.9	3787.8	3010.4
32.5°	2869.3	2863.1	2895.9	2850.9	2820.2	2949.1	3446.2	4358.6	4350.4	4276.8	3331.6
35°	3207.8	3197.6	3207.8	3163.9	3108.6	3232.4	3722.4	4760.6	4921.2	4843.5	3714.2
37.5°	3544.4	3577.1	3588.4	3512.7	3467.7	3591.4	4054.8	5120.7	5466.4	5385.6	4112.1
40°	3941.3	3931.0	3969.9	3885.0	3856.4	3993.4	4380.1	5388.7	5898.1	5821.4	4466.0
42.5°	4233.8	4252.2	4300.3	4253.3	4230.8	4359.6	4653.2	5545.2	6197.8	6122.1	4718.7
45°	4584.7	4598.0	4616.4	4577.5	4554.0	4680.8	4850.6	5613.7	6425.9	6344.1	4888.5
47.5°	4964.2	4974.4	4974.4	4894.6	4818.9	4871.1	4982.6	5652.6	6635.6	6556.9	5014.3
50°	5236.3	5241.4	5286.4	5230.1	5065.5	4984.6	5042.9	5690.5	6774.7	6701.1	5055.2
52.5°	4994.9	4988.7	5137.1	5253.7	5297.7	5137.1	5147.3	5745.7	6842.2	6778.8	5088.0
55°	4206.2	4196.0	4404.7	4688.0	5075.7	5281.3	5273.1	5778.4	6916.9	6878.0	5206.6
57.5°	3049.3	3031.9	3322.4	3637.5	4145.9	4703.3	5030.7	5760.0	6949.7	6946.6	5344.7
60°	1833.1	1818.7	2092.9	2424.3	2817.1	3377.7	3920.8	5159.6	6511.8	6518.0	4985.7
62.5°	1128.3	1141.6	1389.1	1557.9	1704.2	1872.9	2187.0	3470.7	4824.0	4863.9	3503.5
65°	759.0	769.2	998.4	1211.1	1211.1	990.2	850.0	1659.2	2573.6	2506.1	1657.1
67.5°	509.4	520.7	701.7	950.3	986.1	690.5	344.7	495.1	717.1	695.6	410.2
70°	299.7	312.0	467.5	651.6	718.1	480.8	230.2	209.7	203.6	197.4	159.6
72.5°	134.0	139.1	238.3	331.4	302.8	202.5	162.6	167.8	158.6	155.5	129.9
75°	40.9	43.0	61.4	71.6	72.6	72.6	98.2	132.0	124.8	125.8	100.2
77.5°	10.2	10.2	16.4	15.3	8.2	7.2	18.4	29.7	30.7	27.6	20.5
80°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7	1413.7
2.5°	1433.1	1406.5	1389.1	1364.6	1347.2	1328.8	1312.4	1299.1	1291.9	1289.9	1290.9
5°	1465.8	1423.9	1383.0	1335.9	1303.2	1272.5	1248.0	1228.5	1219.3	1216.2	1216.2
7.5°	1516.0	1457.6	1385.0	1311.4	1256.1	1208.1	1179.4	1157.9	1149.8	1147.7	1141.6
10°	1581.4	1501.6	1382.0	1267.4	1189.6	1139.5	1119.1	1112.9	1116.0	1117.0	1116.0
12.5°	1660.2	1547.7	1362.5	1202.9	1119.1	1088.4	1090.4	1106.8	1125.2	1134.4	1136.5
15°	1744.1	1589.6	1318.5	1126.2	1058.7	1057.7	1087.4	1125.2	1161.0	1176.3	1180.4
17.5°	1838.2	1623.4	1251.0	1044.4	1006.5	1036.2	1089.4	1147.7	1195.8	1221.4	1226.5
20°	1941.5	1651.0	1165.1	967.7	960.5	1013.7	1087.4	1159.0	1218.3	1246.9	1252.0
22.5°	2048.9	1670.4	1065.9	897.1	918.6	988.1	1067.9	1137.5	1193.7	1226.5	1230.6
25°	2171.6	1672.5	964.6	837.8	879.7	953.4	1020.9	1078.1	1125.2	1153.8	1156.9
27.5°	2279.0	1647.9	874.6	789.7	843.9	910.4	955.4	987.1	1019.8	1036.2	1037.2
30°	2402.8	1604.9	789.7	750.8	807.1	857.2	879.7	886.9	889.9	893.0	888.9
32.5°	2550.1	1552.8	726.3	713.0	765.1	798.9	805.0	790.7	773.3	748.8	742.6
35°	2731.2	1505.7	674.1	676.1	719.1	739.6	734.4	703.8	670.0	640.3	635.2
37.5°	2927.6	1465.8	634.2	640.3	669.0	683.3	668.0	634.2	618.9	593.3	594.3
40°	3101.5	1433.1	598.4	604.5	617.8	631.1	606.6	584.1	612.7	610.7	612.7
42.5°	3225.2	1405.5	567.7	564.6	573.9	583.1	564.6	553.4	601.5	588.2	595.3
45°	3297.9	1379.9	542.1	523.7	538.1	554.4	542.1	527.8	544.2	482.8	477.7
47.5°	3347.0	1365.6	519.6	483.8	509.4	538.1	512.5	477.7	454.2	401.0	396.9
50°	3352.1	1358.4	493.0	442.9	475.7	506.3	476.7	428.6	394.8	371.3	368.2
52.5°	3378.7	1372.7	456.2	390.8	426.6	475.7	455.2	407.1	361.1	340.6	336.5
55°	3497.3	1433.1	394.8	319.1	371.3	452.1	437.8	363.1	319.1	306.9	303.8
57.5°	3620.1	1445.4	311.0	252.7	323.2	418.4	400.0	334.5	291.5	277.2	274.1
60°	3310.1	1190.7	233.2	208.7	285.4	386.7	370.3	317.1	267.0	249.6	246.5
62.5°	2174.7	643.4	185.1	177.0	240.4	327.3	337.6	286.4	238.3	219.9	218.9
65°	1002.5	298.7	142.2	140.1	188.2	260.8	290.5	250.6	201.5	185.1	185.1
67.5°	273.1	148.3	111.5	103.3	127.9	174.9	211.7	187.2	143.2	123.8	122.7
70°	136.0	119.7	100.2	89.0	92.1	108.4	124.8	104.3	72.6	59.3	58.3
72.5°	111.5	98.2	84.9	75.7	69.6	66.5	64.4	52.2	33.8	25.6	24.5
75°	82.9	70.6	60.4	49.1	41.9	38.9	34.8	25.6	14.3	8.2	7.2
77.5°	18.4	17.4	16.4	12.3	11.3	9.2	7.2	5.1	2.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)