

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: P636072

Luminaire Tested: GWS-SA3F-722-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636072  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-722-U-T2R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

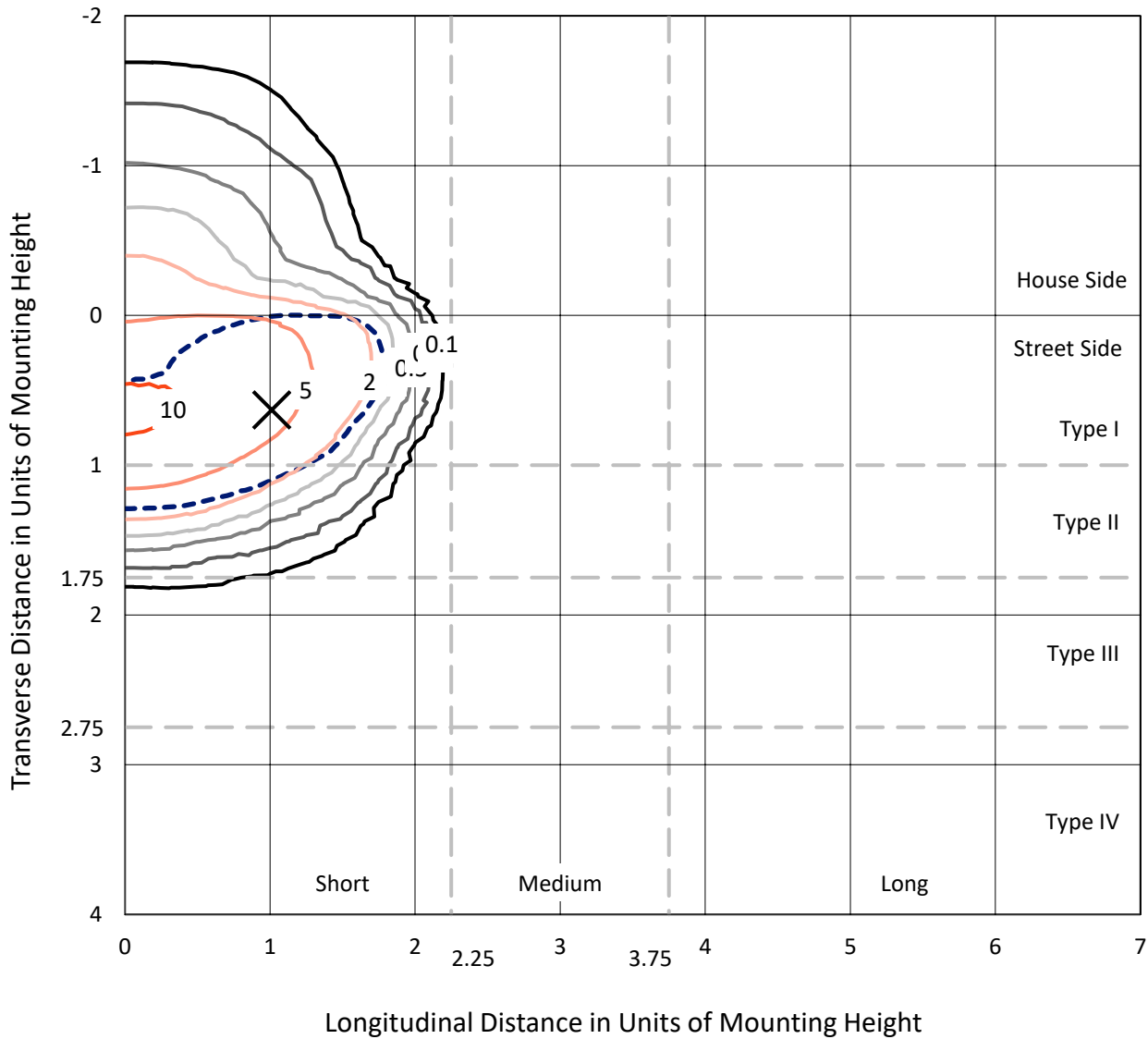
Lumens per Lamp: N/A  
Luminaire Lumens: 12073.1 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P636072  
 CATALOG NUMBER: GWS-SA3F-722-U-T2R-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

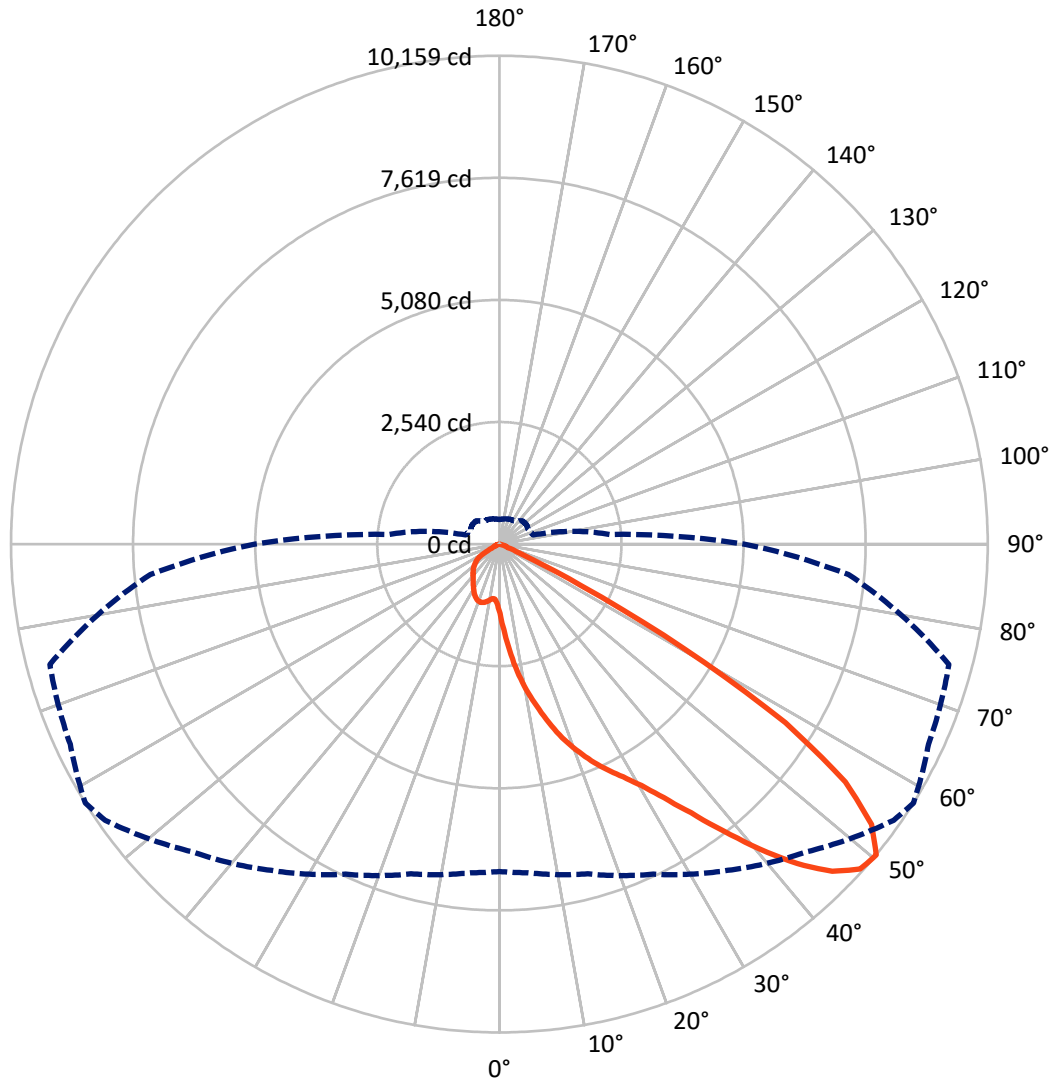
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P636072  
CATALOG NUMBER: GWS-SA3F-722-U-T2R-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P636072

CATALOG NUMBER: GWS-SA3F-722-U-T2R-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1691.0	0.0	1691.0
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	10382.1	0.0	10382.1
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	12073.1	0.0	12073.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.7	1.5
10°-20°	707.2	5.9
20°-30°	1431.1	11.9
30°-40°	2531.8	21.0
40°-50°	3690.9	30.6
50°-60°	2958.3	24.5
60°-70°	533.0	4.4
70°-80°	42.0	0.3
80°-90°	0.0	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°	12073.1	100.0
0°-180°	12073.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636072

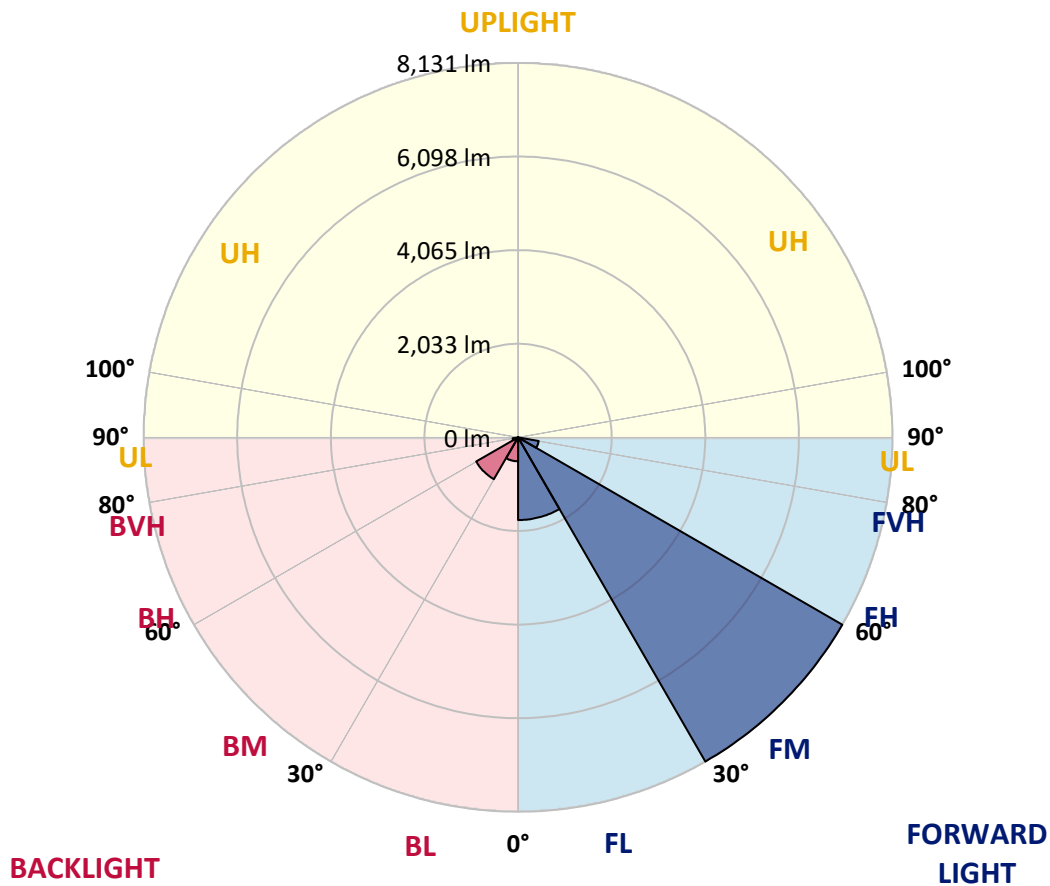
CATALOG NUMBER: GWS-SA3F-722-U-T2R-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1796.4	14.9			
FM (30°-60°)	8130.9	67.3			
FH (60°-80°)	454.8	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	520.6	4.3	B2/1000		
BM (30°-60°)	1050.2	8.7	B2/2500		
BH (60°-80°)	120.2	1.0	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: B2-U0-G1**

Type II Short





REPORT NUMBER: P636072

CATALOG NUMBER: GWS-SA3F-722-U-T2R-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1
2.5°	2134.1	2100.6	2081.2	2065.7	1997.3	1888.8	1817.8	1780.4	1718.4	1613.8	1523.4
5°	2784.8	2760.3	2715.1	2684.1	2596.3	2442.7	2283.9	2220.6	2079.9	1843.6	1631.9
7.5°	3216.0	3197.9	3181.2	3139.9	3057.2	2917.8	2742.2	2676.4	2459.5	2123.8	1776.5
10°	3547.8	3533.6	3514.3	3513.0	3448.4	3323.2	3151.5	3083.0	2848.1	2428.5	1946.9
12.5°	3839.6	3828.0	3824.1	3860.3	3818.9	3726.0	3540.1	3454.9	3205.7	2739.6	2135.4
15°	4039.7	4037.1	4053.9	4124.9	4148.2	4105.6	3949.3	3857.7	3571.1	3052.1	2343.3
17.5°	4131.4	4139.1	4171.4	4294.1	4397.3	4433.5	4313.4	4236.0	3933.9	3368.4	2565.3
20°	4287.6	4285.0	4304.4	4420.6	4547.1	4676.2	4640.1	4574.2	4300.5	3702.8	2811.9
22.5°	4727.9	4690.4	4649.1	4667.2	4712.4	4863.4	4930.5	4897.0	4678.8	4046.2	3066.3
25°	5404.4	5365.6	5232.7	5103.5	5018.3	5086.8	5178.4	5195.2	5054.5	4398.6	3332.2
27.5°	6122.2	6087.3	5937.6	5743.9	5499.9	5381.1	5449.6	5483.1	5423.7	4818.2	3615.0
30°	6794.8	6748.4	6584.4	6344.3	6061.5	5879.5	5802.0	5825.3	5860.1	5315.3	3946.8
32.5°	7378.4	7343.5	7147.3	6894.2	6621.8	6432.0	6251.3	6290.0	6375.2	5923.4	4371.5
35°	7872.9	7854.8	7646.9	7395.2	7107.3	7010.4	6855.5	6863.3	6948.5	6658.0	4889.2
37.5°	8302.8	8271.8	8083.3	7849.6	7621.1	7605.6	7563.0	7566.9	7610.8	7514.0	5484.4
40°	8573.9	8545.5	8411.2	8266.6	8104.0	8106.5	8327.3	8344.1	8293.8	8354.4	6113.2
42.5°	8675.9	8655.2	8582.9	8584.2	8567.5	8643.6	9058.1	9089.0	8908.3	9014.2	6650.2
45°	8499.0	8490.0	8495.2	8681.1	8882.5	9117.4	9655.8	9710.0	9454.4	9451.8	7069.8
47.5°	7928.4	7910.3	8061.4	8377.7	8843.7	9300.8	10017.3	10101.2	9836.6	9702.3	7333.2
50°	6810.3	6862.0	7100.8	7575.9	8284.7	9049.0	10013.4	10159.3	9850.8	9680.3	7289.3
52.5°	4933.1	4922.8	5445.7	6099.0	6961.4	8243.4	9481.5	9694.5	9506.1	9464.7	7191.2
55°	2684.1	2778.4	3130.8	3995.8	5072.6	6718.7	8266.6	8731.4	8949.6	9386.0	7368.1
57.5°	986.4	1027.7	1248.5	1860.4	2685.4	4177.9	6314.6	7015.6	7689.5	9166.5	7338.4
60°	397.6	405.4	493.2	684.3	1128.4	2126.4	3788.0	4410.3	5045.5	7016.9	5631.6
62.5°	289.2	299.5	334.4	400.2	570.6	929.6	1633.2	1899.1	2076.0	3475.5	2774.5
65°	233.7	241.4	269.8	299.5	377.0	499.6	526.8	507.4	504.8	898.6	636.5
67.5°	193.7	201.4	222.1	242.7	271.1	249.2	180.7	189.8	154.9	153.6	125.2
70°	142.0	151.1	171.7	193.7	162.7	67.1	104.6	154.9	117.5	98.1	95.5
72.5°	107.2	113.6	133.0	126.5	47.8	25.8	69.7	112.3	90.4	72.3	71.0
75°	80.0	83.9	67.1	20.7	5.2	6.5	25.8	46.5	50.4	41.3	41.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.9	5.2	6.5	7.7
80°	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P636072

CATALOG NUMBER: GWS-SA3F-722-U-T2R-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1	1442.1
2.5°	1471.8	1417.6	1340.1	1275.6	1226.5	1178.7	1142.6	1106.4	1105.1	1087.1	1083.2
5°	1533.8	1435.7	1293.6	1191.6	1129.7	1092.2	1066.4	1053.5	1047.0	1040.6	1038.0
7.5°	1622.9	1482.1	1285.9	1177.4	1125.8	1101.3	1083.2	1075.5	1071.6	1066.4	1065.1
10°	1732.6	1549.3	1314.3	1204.6	1159.4	1136.1	1116.8	1105.1	1098.7	1089.7	1087.1
12.5°	1864.3	1631.9	1359.5	1249.7	1202.0	1171.0	1145.2	1128.4	1119.3	1107.7	1105.1
15°	2006.3	1721.0	1409.8	1291.1	1234.3	1194.2	1162.0	1136.1	1119.3	1105.1	1101.3
17.5°	2153.5	1811.4	1455.0	1319.5	1249.7	1202.0	1155.5	1120.6	1100.0	1081.9	1076.7
20°	2318.7	1904.3	1484.7	1324.6	1244.6	1181.3	1127.1	1083.2	1062.5	1038.0	1032.8
22.5°	2491.7	1990.8	1497.6	1313.0	1216.2	1142.6	1084.5	1039.3	1009.6	983.8	976.0
25°	2659.6	2068.3	1491.2	1280.7	1173.6	1088.4	1029.0	982.5	950.2	924.4	917.9
27.5°	2837.7	2132.8	1467.9	1233.0	1115.5	1029.0	972.2	932.1	902.4	874.0	867.6
30°	3037.9	2192.2	1430.5	1174.9	1047.0	968.3	924.4	897.3	865.0	835.3	826.3
32.5°	3279.3	2245.1	1376.3	1105.1	986.4	915.4	890.8	870.2	832.7	801.7	795.3
35°	3555.6	2289.0	1307.8	1032.8	927.0	881.8	876.6	849.5	800.5	764.3	756.6
37.5°	3875.8	2331.6	1226.5	961.8	883.1	866.3	867.6	821.1	761.7	717.8	712.7
40°	4220.5	2374.3	1136.1	899.9	843.1	857.3	845.6	779.8	683.0	640.4	635.2
42.5°	4579.4	2420.7	1044.5	841.8	809.5	822.4	805.6	697.2	627.5	605.5	602.9
45°	4903.4	2476.2	945.1	783.7	775.9	772.1	743.6	631.3	601.6	586.1	584.8
47.5°	5137.1	2467.2	839.2	728.2	739.8	726.9	640.4	600.3	575.8	555.2	550.0
50°	5094.5	2309.7	729.4	666.2	693.3	681.7	575.8	564.2	542.2	520.3	512.5
52.5°	4986.1	2095.4	633.9	600.3	642.9	615.8	531.9	520.3	500.9	472.5	463.5
55°	5044.2	1894.0	559.0	547.4	591.3	510.0	482.9	464.8	444.1	413.1	409.3
57.5°	4857.0	1545.4	449.3	457.0	522.9	435.1	423.5	395.1	360.2	339.5	337.0
60°	3361.9	830.1	281.5	290.5	378.3	365.4	379.6	353.7	311.1	291.8	287.9
62.5°	1544.1	333.1	153.6	147.2	198.8	247.9	325.3	322.8	269.8	238.8	236.3
65°	374.4	152.3	109.7	103.3	112.3	148.5	211.7	254.3	218.2	182.0	178.2
67.5°	121.4	123.9	100.7	94.2	99.4	111.0	126.5	140.7	139.4	127.8	125.2
70°	96.8	112.3	93.0	85.2	85.2	89.1	85.2	68.4	59.4	64.6	67.1
72.5°	72.3	85.2	73.6	65.8	63.3	62.0	52.9	38.7	27.1	24.5	23.2
75°	42.6	47.8	45.2	38.7	36.1	32.3	25.8	16.8	9.0	6.5	3.9
77.5°	7.7	9.0	10.3	7.7	6.5	5.2	3.9	1.3	0.0	0.0	0.0
80°	0.0	1.3	1.3	1.3	0.0	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)