

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: P633597

Luminaire Tested: GWS-SA2F-722-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633597  
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-SA2F-722-U-T2R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

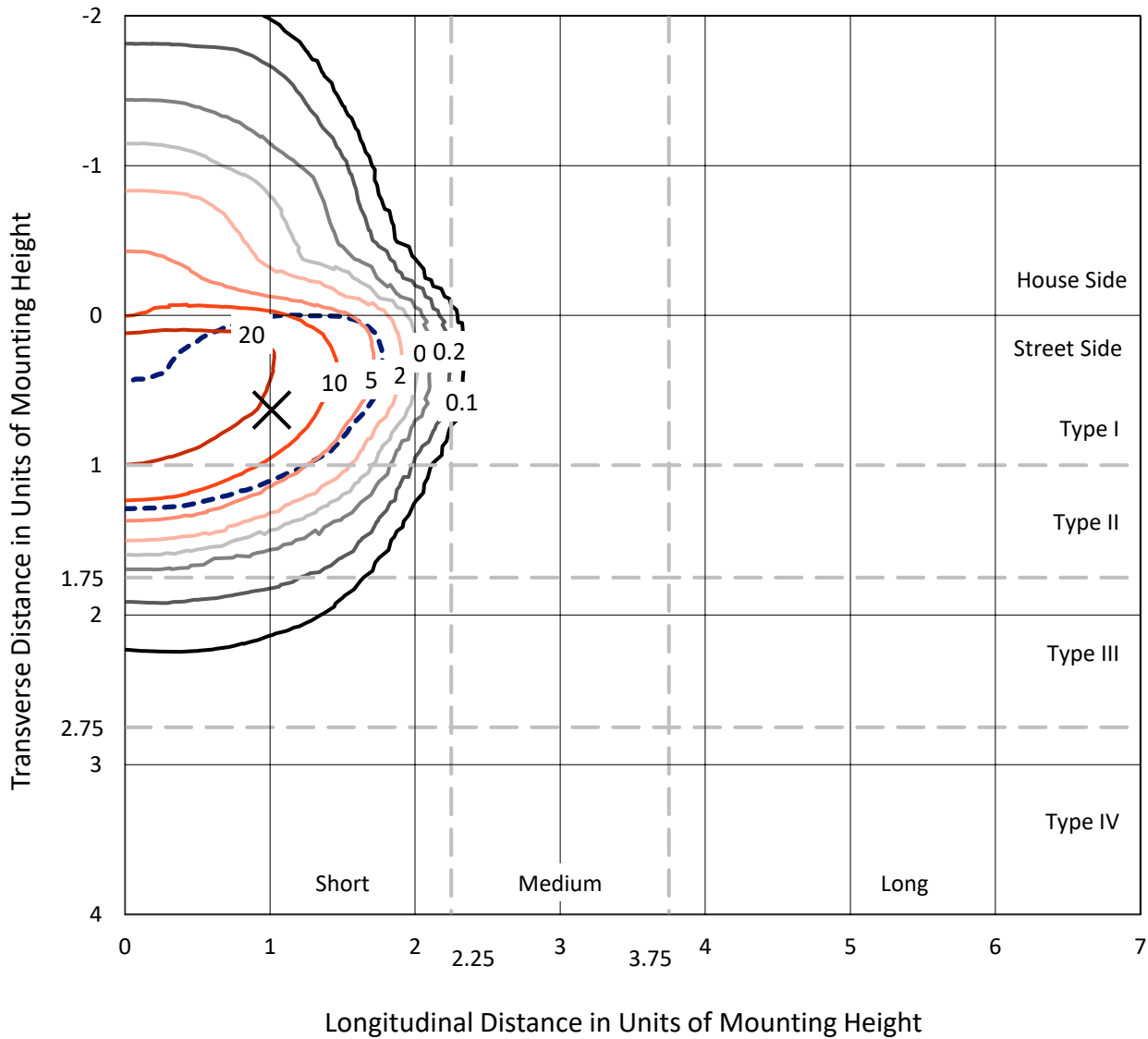
Lumens per Lamp: N/A  
Luminaire Lumens: 8010.3 lumens  
Efficiency: N/A  
Efficacy: 64.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P633597  
 CATALOG NUMBER: GWS-SA2F-722-U-T2R-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

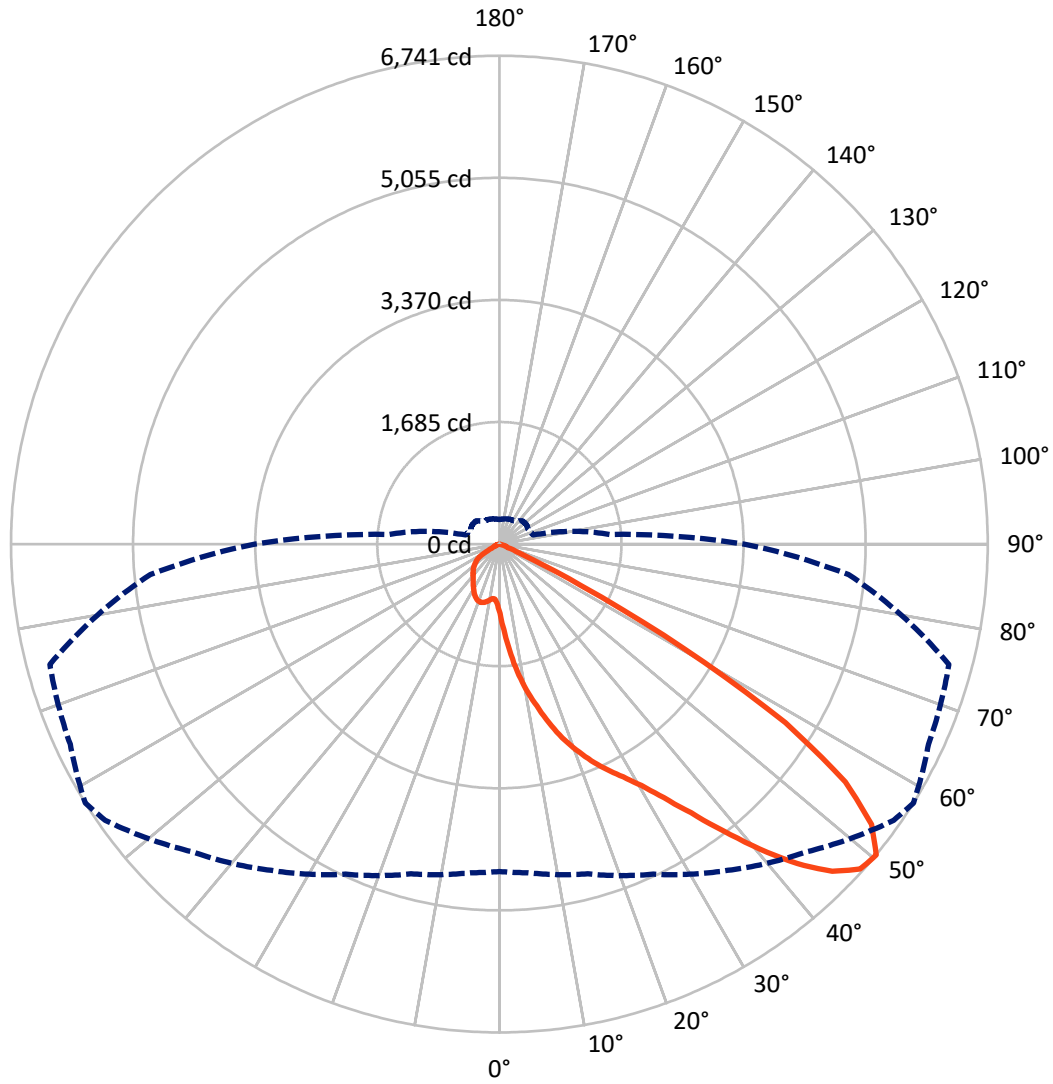
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P633597  
CATALOG NUMBER: GWS-SA2F-722-U-T2R-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P633597

CATALOG NUMBER: GWS-SA2F-722-U-T2R-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1121.9	0.0	1121.9
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	6888.3	0.0	6888.3
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	8010.3	0.0	8010.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.5	1.5
10°-20°	469.2	5.9
20°-30°	949.5	11.9
30°-40°	1679.8	21.0
40°-50°	2448.8	30.6
50°-60°	1962.8	24.5
60°-70°	353.6	4.4
70°-80°	27.9	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°	8010.3	100.0
0°-180°	8010.3	100.0

**Coefficient of Utilization**



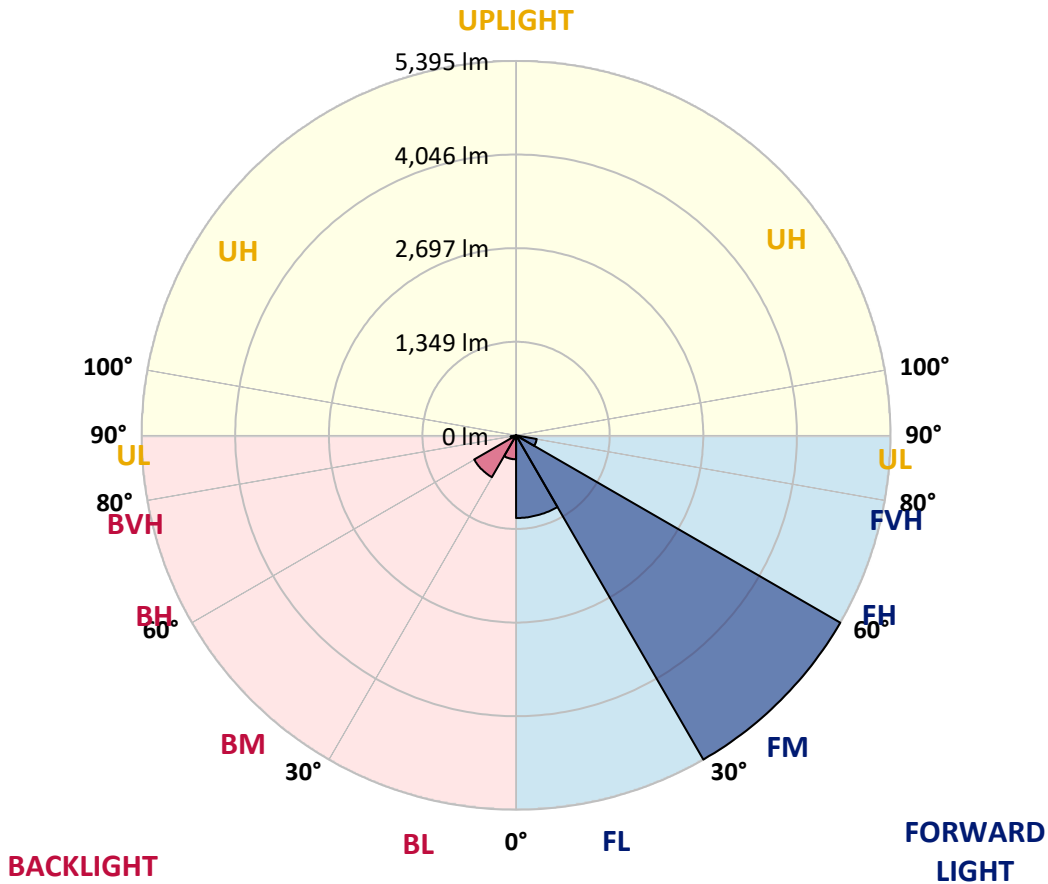
REPORT NUMBER: P633597

CATALOG NUMBER: GWS-SA2F-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°)	1191.9	14.9			
FM (30°-60°)	5394.7	67.3			
FH (60°-80°)	301.7	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	345.4	4.3	B1/500		
BM (30°-60°)	696.8	8.7	B1/1000		
BH (60°-80°)	79.7	1.0	B0/110		G0/110
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-G0**  
 Type II Short





REPORT NUMBER: P633597

CATALOG NUMBER: GWS-SA2F-722-U-T2R-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.8
2.5°	1416.0	1393.7	1380.8	1370.6	1325.2	1253.2	1206.1	1181.2	1140.1	1070.7	1010.8
5°	1847.7	1831.4	1801.4	1780.9	1722.6	1620.7	1515.3	1473.3	1380.0	1223.2	1082.7
7.5°	2133.8	2121.8	2110.7	2083.2	2028.4	1935.9	1819.4	1775.7	1631.8	1409.1	1178.7
10°	2353.9	2344.5	2331.7	2330.8	2288.0	2204.9	2090.9	2045.5	1889.6	1611.3	1291.7
12.5°	2547.5	2539.8	2537.2	2561.2	2533.8	2472.1	2348.8	2292.2	2126.9	1817.7	1416.8
15°	2680.3	2678.6	2689.7	2736.8	2752.2	2724.0	2620.3	2559.5	2369.3	2025.0	1554.7
17.5°	2741.1	2746.2	2767.7	2849.0	2917.6	2941.5	2861.9	2810.5	2610.0	2234.9	1702.1
20°	2844.8	2843.0	2855.9	2933.0	3016.9	3102.6	3078.6	3034.9	2853.3	2456.7	1865.7
22.5°	3136.9	3112.0	3084.6	3096.6	3126.6	3226.8	3271.3	3249.1	3104.3	2684.6	2034.4
25°	3585.7	3560.0	3471.8	3386.1	3329.6	3375.0	3435.8	3446.9	3353.6	2918.4	2210.9
27.5°	4062.0	4038.8	3939.5	3811.0	3649.1	3570.3	3615.7	3638.0	3598.6	3196.8	2398.5
30°	4508.3	4477.4	4368.6	4209.3	4021.7	3900.9	3849.5	3865.0	3888.1	3526.6	2618.6
32.5°	4895.4	4872.3	4742.1	4574.2	4393.5	4267.6	4147.6	4173.3	4229.9	3930.1	2900.4
35°	5223.5	5211.5	5073.6	4906.6	4715.6	4651.3	4548.5	4553.7	4610.2	4417.5	3243.9
37.5°	5508.8	5488.2	5363.1	5208.1	5056.5	5046.2	5017.9	5020.5	5049.6	4985.4	3638.8
40°	5688.6	5669.8	5580.7	5484.8	5376.8	5378.6	5525.0	5536.2	5502.8	5543.0	4056.0
42.5°	5756.3	5742.6	5694.6	5695.5	5684.4	5734.9	6009.9	6030.4	5910.5	5980.7	4412.3
45°	5639.0	5633.0	5636.4	5759.7	5893.4	6049.3	6406.5	6442.5	6272.8	6271.1	4690.7
47.5°	5260.3	5248.4	5348.6	5558.4	5867.7	6170.9	6646.3	6702.0	6526.4	6437.3	4865.5
50°	4518.5	4552.8	4711.3	5026.5	5496.8	6003.9	6643.8	6740.5	6535.8	6422.7	4836.3
52.5°	3273.0	3266.2	3613.1	4046.6	4618.8	5469.4	6290.8	6432.2	6307.1	6279.7	4771.2
55°	1780.9	1843.4	2077.2	2651.2	3365.6	4457.7	5484.8	5793.2	5937.9	6227.4	4888.6
57.5°	654.4	681.8	828.3	1234.4	1781.7	2771.9	4189.6	4654.7	5101.9	6081.8	4868.9
60°	263.8	269.0	327.2	454.0	748.7	1410.8	2513.2	2926.1	3347.6	4655.6	3736.5
62.5°	191.9	198.7	221.9	265.5	378.6	616.7	1083.6	1260.1	1377.4	2306.0	1840.8
65°	155.0	160.2	179.0	198.7	250.1	331.5	349.5	336.6	334.9	596.2	422.3
67.5°	128.5	133.6	147.3	161.0	179.9	165.3	119.9	125.9	102.8	101.9	83.1
70°	94.2	100.2	113.9	128.5	107.9	44.5	69.4	102.8	78.0	65.1	63.4
72.5°	71.1	75.4	88.2	83.9	31.7	17.1	46.3	74.5	60.0	48.0	47.1
75°	53.1	55.7	44.5	13.7	3.4	4.3	17.1	30.8	33.4	27.4	27.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.6	3.4	4.3	5.1
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: P633597  
 CATALOG NUMBER: GWS-SA2F-722-U-T2R-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.8
2.5°	976.5	940.5	889.1	846.3	813.8	782.1	758.1	734.1	733.2	721.3	718.7
5°	1017.6	952.5	858.3	790.6	749.5	724.7	707.5	699.0	694.7	690.4	688.7
7.5°	1076.7	983.4	853.2	781.2	747.0	730.7	718.7	713.5	711.0	707.5	706.7
10°	1149.6	1027.9	872.0	799.2	769.2	753.8	741.0	733.2	729.0	723.0	721.3
12.5°	1236.9	1082.7	902.0	829.2	797.5	776.9	759.8	748.7	742.7	735.0	733.2
15°	1331.1	1141.8	935.4	856.6	818.9	792.4	770.9	753.8	742.7	733.2	730.7
17.5°	1428.8	1201.8	965.4	875.4	829.2	797.5	766.7	743.5	729.8	717.8	714.4
20°	1538.4	1263.5	985.1	878.9	825.8	783.8	747.8	718.7	705.0	688.7	685.3
22.5°	1653.2	1320.9	993.7	871.2	806.9	758.1	719.5	689.6	669.9	652.7	647.6
25°	1764.6	1372.3	989.4	849.7	778.6	722.1	682.7	651.9	630.5	613.3	609.0
27.5°	1882.8	1415.1	973.9	818.0	740.1	682.7	645.0	618.5	598.8	579.9	575.6
30°	2015.6	1454.5	949.1	779.5	694.7	642.4	613.3	595.3	573.9	554.2	548.2
32.5°	2175.8	1489.6	913.1	733.2	654.4	607.3	591.1	577.3	552.5	531.9	527.7
35°	2359.1	1518.7	867.7	685.3	615.0	585.1	581.6	563.6	531.1	507.1	502.0
37.5°	2571.5	1547.0	813.8	638.2	585.9	574.8	575.6	544.8	505.4	476.3	472.8
40°	2800.2	1575.3	753.8	597.0	559.4	568.8	561.1	517.4	453.1	424.9	421.4
42.5°	3038.3	1606.1	693.0	558.5	537.1	545.7	534.5	462.6	416.3	401.7	400.0
45°	3253.3	1642.9	627.0	520.0	514.8	512.2	493.4	418.9	399.2	388.9	388.0
47.5°	3408.4	1637.0	556.8	483.1	490.8	482.3	424.9	398.3	382.0	368.3	364.9
50°	3380.1	1532.4	484.0	442.0	460.0	452.3	382.0	374.3	359.8	345.2	340.1
52.5°	3308.2	1390.3	420.6	398.3	426.6	408.6	352.9	345.2	332.4	313.5	307.5
55°	3346.7	1256.6	370.9	363.2	392.3	338.4	320.4	308.4	294.7	274.1	271.5
57.5°	3222.5	1025.3	298.1	303.2	346.9	288.7	281.0	262.1	239.0	225.3	223.6
60°	2230.6	550.8	186.7	192.7	251.0	242.4	251.8	234.7	206.4	193.6	191.0
62.5°	1024.5	221.0	101.9	97.7	131.9	164.5	215.9	214.1	179.0	158.5	156.8
65°	248.4	101.1	72.8	68.5	74.5	98.5	140.5	168.7	144.8	120.8	118.2
67.5°	80.5	82.2	66.8	62.5	66.0	73.7	83.9	93.4	92.5	84.8	83.1
70°	64.2	74.5	61.7	56.5	56.5	59.1	56.5	45.4	39.4	42.8	44.5
72.5°	48.0	56.5	48.8	43.7	42.0	41.1	35.1	25.7	18.0	16.3	15.4
75°	28.3	31.7	30.0	25.7	24.0	21.4	17.1	11.1	6.0	4.3	2.6
77.5°	5.1	6.0	6.9	5.1	4.3	3.4	2.6	0.9	0.0	0.0	0.0
80°	0.0	0.9	0.9	0.9	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)