

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: P632446

Luminaire Tested: GWS-SA2C-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632446  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-760-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

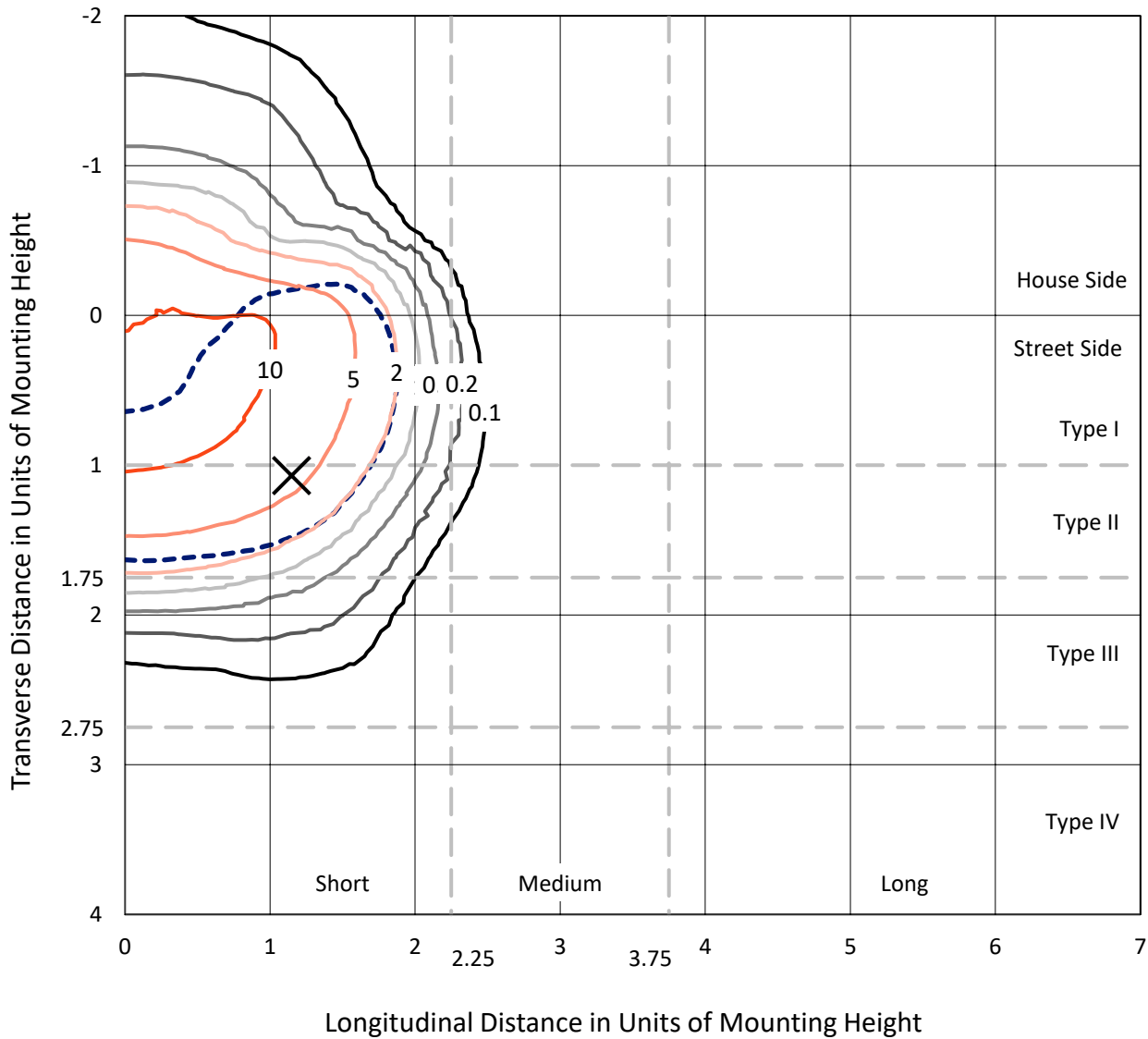
Lumens per Lamp: N/A  
Luminaire Lumens: 5766.1 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

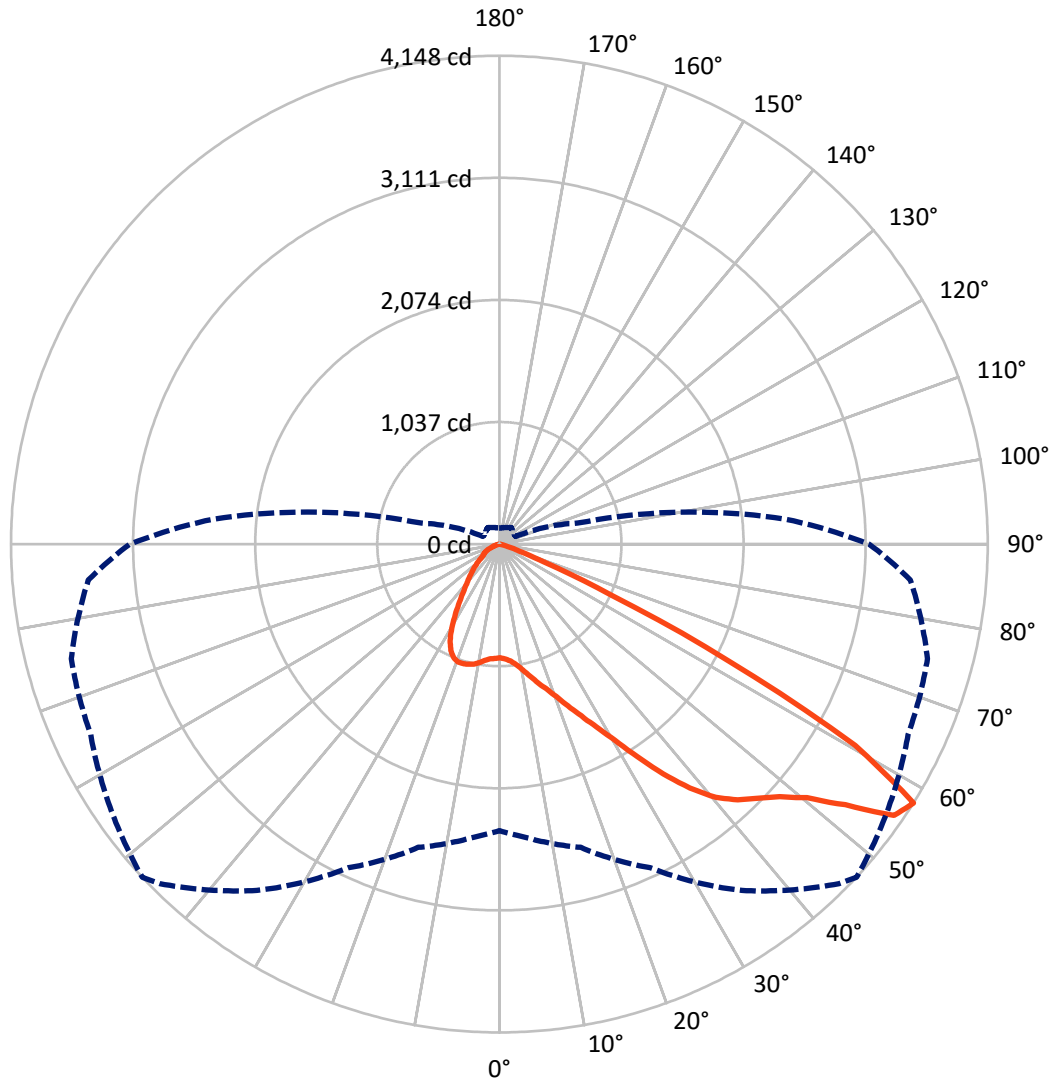
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1250.9	0.0	1250.9
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	4515.2	0.0	4515.2
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	5766.1	0.0	5766.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	1.7
10°-20°	324.0	5.6
20°-30°	601.7	10.4
30°-40°	963.1	16.7
40°-50°	1407.9	24.4
50°-60°	1737.6	30.1
60°-70°	580.6	10.1
70°-80°	54.1	0.9
80°-90°	1.1	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°	5766.1	100.0
0°-180°	5766.1	100.0

**Coefficient of Utilization**



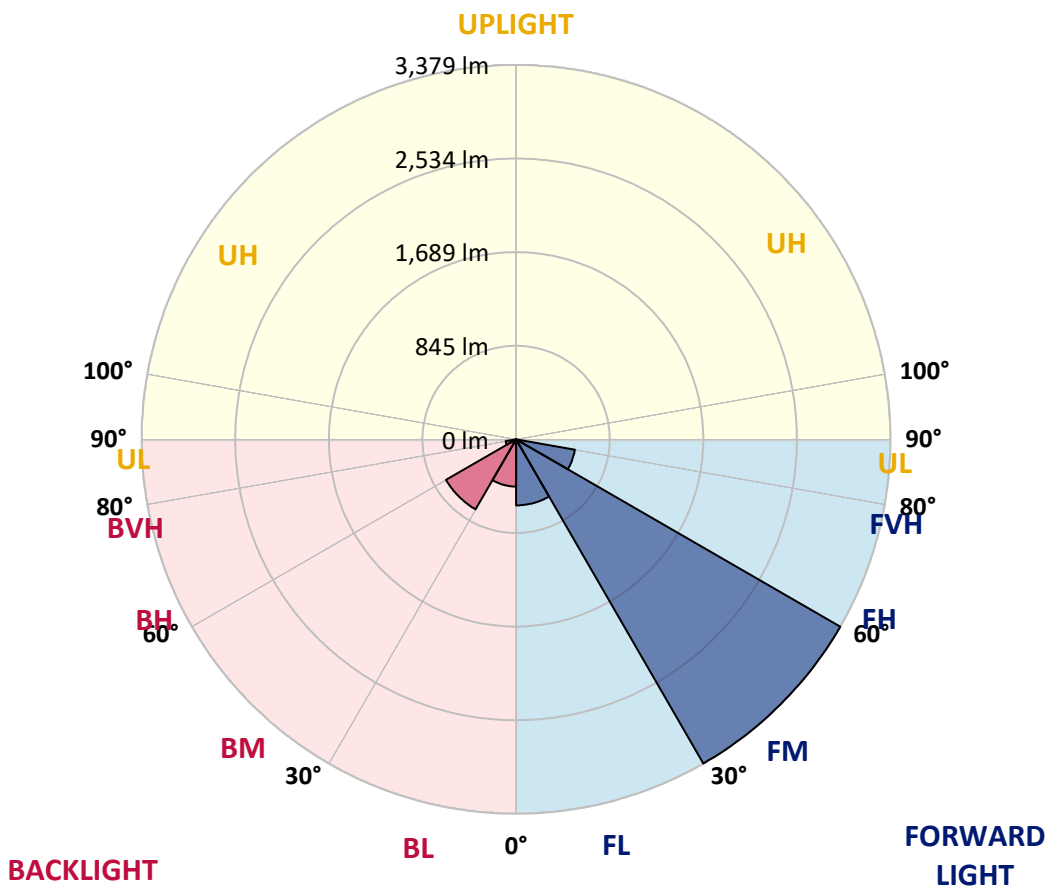
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CATALOG NUMBER: GWS-SA2C-760-U-T3-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	595.9	10.3			
FM (30°-60°)	3378.9	58.6			
FH (60°-80°)	539.6	9.4			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	425.8	7.4	B1/500		
BM (30°-60°)	729.7	12.7	B1/1000		
BH (60°-80°)	95.1	1.6	B0/110		G0/110
BVH (80°-90°)	0.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	965.3	965.3	965.3	965.3	965.3	965.3	965.3	965.3	965.3	965.3	965.3
2.5°	975.3	974.6	974.0	978.0	976.6	976.0	977.3	977.3	977.3	973.3	965.3
5°	998.7	998.7	998.1	1002.1	998.7	996.7	997.4	997.4	994.7	987.3	977.3
7.5°	1035.5	1034.2	1032.9	1036.9	1033.5	1032.9	1034.2	1030.2	1025.5	1013.4	999.4
10°	1088.4	1088.4	1086.4	1090.4	1087.7	1086.4	1086.4	1083.7	1075.0	1056.3	1035.5
12.5°	1161.4	1158.0	1153.3	1150.0	1148.7	1148.0	1148.7	1144.6	1135.3	1111.2	1082.4
15°	1241.0	1238.4	1231.0	1225.6	1218.3	1216.9	1221.0	1217.6	1208.2	1175.4	1134.6
17.5°	1341.4	1344.8	1326.0	1314.7	1293.2	1291.9	1293.2	1298.6	1291.9	1249.7	1190.2
20°	1427.1	1429.8	1415.7	1407.7	1388.3	1379.6	1382.3	1391.0	1383.6	1334.1	1251.1
22.5°	1518.8	1522.2	1507.5	1490.7	1482.0	1482.0	1492.1	1504.1	1494.1	1429.1	1320.7
25°	1628.6	1631.3	1619.2	1597.1	1581.8	1601.2	1615.9	1648.0	1631.3	1542.9	1403.0
27.5°	1754.5	1755.1	1737.7	1715.0	1706.9	1743.1	1757.8	1807.3	1800.6	1670.8	1490.0
30°	1889.0	1889.7	1885.7	1870.3	1862.9	1910.4	1930.5	2002.1	1997.4	1829.4	1608.5
32.5°	2028.9	2028.9	2036.3	2034.9	2043.6	2121.3	2153.4	2235.1	2230.4	2023.5	1755.8
35°	2169.5	2170.1	2182.9	2215.0	2251.1	2354.2	2396.4	2495.5	2484.8	2255.8	1943.9
37.5°	2329.5	2322.8	2340.2	2388.4	2468.7	2587.8	2628.0	2722.4	2710.3	2493.5	2189.6
40°	2522.2	2510.2	2510.2	2566.4	2657.5	2794.7	2828.8	2875.7	2834.8	2685.6	2430.5
42.5°	2735.1	2723.7	2709.0	2758.5	2834.8	2941.9	2970.1	2957.3	2923.9	2867.0	2705.0
45°	2950.6	2933.2	2943.3	2973.4	3017.6	3068.5	3079.2	3020.3	3004.9	3020.9	2931.9
47.5°	3114.6	3102.6	3127.4	3169.5	3205.7	3213.0	3205.7	3124.0	3122.7	3179.6	3089.2
50°	3169.5	3170.9	3239.1	3331.5	3389.8	3395.8	3385.7	3292.0	3279.3	3296.0	3174.2
52.5°	3174.9	3180.2	3280.0	3456.0	3614.7	3687.0	3678.9	3577.9	3453.4	3435.3	3302.7
55°	3045.7	3077.2	3216.4	3473.4	3810.8	4041.7	4068.5	3875.1	3690.3	3674.9	3579.2
57.5°	2434.5	2498.8	2666.8	3033.0	3591.9	4078.6	4148.2	4008.9	3830.2	3764.6	3504.9
60°	1455.2	1534.9	1696.2	2145.4	2733.8	3352.3	3472.1	3491.5	3409.2	3219.7	2688.9
62.5°	624.5	617.8	816.6	1160.7	1625.9	2130.6	2184.9	2269.2	2340.8	2142.7	1632.0
65°	214.2	232.9	324.0	523.5	814.0	989.3	1037.5	1113.2	1214.9	1002.7	597.8
67.5°	132.5	140.6	186.8	309.3	439.1	432.4	411.0	399.0	388.2	265.7	164.0
70°	96.4	103.1	131.2	212.9	295.2	207.5	180.1	145.9	162.0	149.3	116.5
72.5°	64.9	70.3	90.4	129.2	151.3	101.1	93.7	106.4	128.5	122.5	95.1
75°	38.8	42.2	51.5	62.9	61.6	52.2	52.9	75.0	98.4	91.7	67.6
77.5°	26.8	28.1	34.1	40.8	30.1	16.1	14.7	20.8	33.5	33.5	22.8
80°	6.7	8.7	8.7	5.4	4.7	4.0	4.0	6.0	9.4	6.7	3.3
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
87.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
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°	965.3	965.3	965.3	965.3	965.3	965.3	965.3	965.3	965.3	965.3	965.3
2.5°	969.9	961.9	967.3	965.9	969.9	971.3	965.3	963.9	964.6	956.5	953.9
5°	979.3	969.9	972.6	969.9	974.6	978.6	976.6	979.3	982.7	976.6	974.0
7.5°	999.4	990.0	989.3	985.3	992.0	994.7	994.0	1001.4	1008.1	1004.1	1000.1
10°	1034.2	1021.5	1020.1	1016.8	1018.8	1020.8	1013.4	1014.8	1020.8	1016.1	1014.1
12.5°	1077.0	1061.6	1058.3	1050.3	1050.3	1040.2	1024.2	1020.8	1025.5	1022.1	1018.8
15°	1123.2	1102.5	1097.1	1083.1	1069.7	1050.9	1034.2	1030.2	1033.5	1029.5	1026.8
17.5°	1174.8	1151.3	1133.9	1109.2	1079.7	1057.6	1038.9	1030.2	1024.8	1016.8	1016.1
20°	1225.6	1194.8	1165.4	1125.9	1087.1	1053.6	1022.8	1000.1	980.6	968.6	963.9
22.5°	1284.5	1239.0	1191.5	1135.9	1080.4	1029.5	975.3	936.5	903.0	891.6	886.3
25°	1347.5	1288.6	1217.6	1145.3	1057.6	976.0	902.3	844.8	800.6	785.9	779.8
27.5°	1417.1	1336.1	1244.4	1143.3	1010.8	899.7	801.9	730.3	686.8	673.4	678.1
30°	1505.4	1397.7	1277.9	1122.6	940.5	792.6	678.1	617.8	585.0	572.3	573.0
32.5°	1623.3	1486.0	1326.7	1078.4	850.1	670.7	570.3	526.1	504.0	487.3	486.0
35°	1791.9	1620.6	1372.2	1007.4	740.3	562.3	489.3	454.5	423.7	404.3	407.7
37.5°	1994.1	1789.9	1397.0	911.7	617.2	477.9	428.4	392.9	358.1	329.3	332.7
40°	2233.7	2011.5	1395.0	785.9	504.7	420.4	377.5	336.0	292.5	266.4	269.1
42.5°	2500.8	2221.0	1351.5	652.6	418.4	373.5	328.7	276.5	234.3	218.2	218.9
45°	2732.4	2391.0	1275.2	514.8	352.1	328.0	277.8	224.2	205.5	194.1	193.5
47.5°	2903.8	2515.5	1166.1	405.0	298.5	286.5	228.3	200.8	186.1	176.7	175.4
50°	2999.5	2559.1	1045.6	317.3	252.4	243.0	204.2	182.1	172.0	166.0	164.7
52.5°	3128.0	2611.3	959.2	250.3	211.5	198.8	188.1	169.4	162.7	158.0	156.0
55°	3331.5	2712.3	884.3	198.8	176.0	173.4	177.4	162.0	158.0	150.6	147.9
57.5°	3140.1	2436.6	686.8	154.0	148.6	158.6	171.4	154.6	144.6	137.9	135.2
60°	2209.6	1619.9	345.4	123.8	132.5	148.6	161.3	139.9	129.9	131.2	129.9
62.5°	1218.3	810.6	155.3	103.8	115.1	131.2	137.9	121.2	114.5	125.8	127.9
65°	398.3	275.8	89.7	80.3	91.0	107.1	119.2	115.1	113.8	127.2	131.2
67.5°	122.5	91.0	60.9	57.6	62.9	79.0	100.4	124.5	133.9	137.9	139.9
70°	91.7	71.6	52.2	48.9	51.5	60.2	85.0	103.8	97.7	98.4	97.1
72.5°	73.6	56.9	44.8	42.8	42.8	41.5	44.8	56.2	63.6	66.9	66.9
75°	51.5	40.2	34.1	31.5	24.8	20.1	18.1	18.1	16.1	15.4	14.7
77.5°	17.4	14.7	13.4	10.7	7.4	6.0	5.4	4.7	3.3	2.0	1.3
80°	2.7	2.0	1.3	1.3	1.3	0.7	0.7	0.7	0.0	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	1.3	0.7	0.7	0.0	0.0	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	0.7	0.7	0.0	0.0	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	0.7	0.7	0.7	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)