

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: P632615

Luminaire Tested: GWS-SA2D-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632615  
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-SA2D-722-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

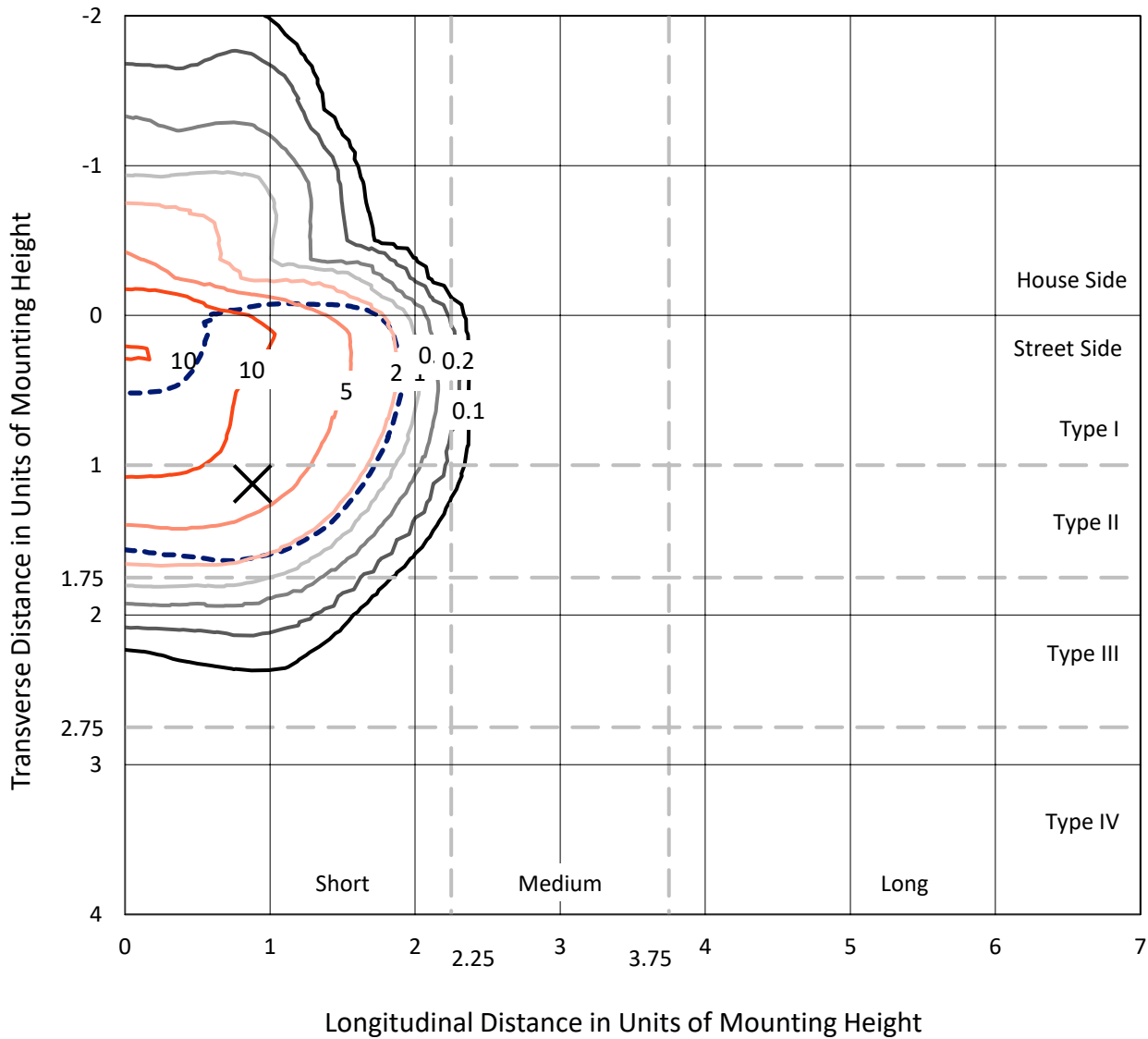
Lumens per Lamp: N/A  
Luminaire Lumens: 5394.2 lumens  
Efficiency: N/A  
Efficacy: 65.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

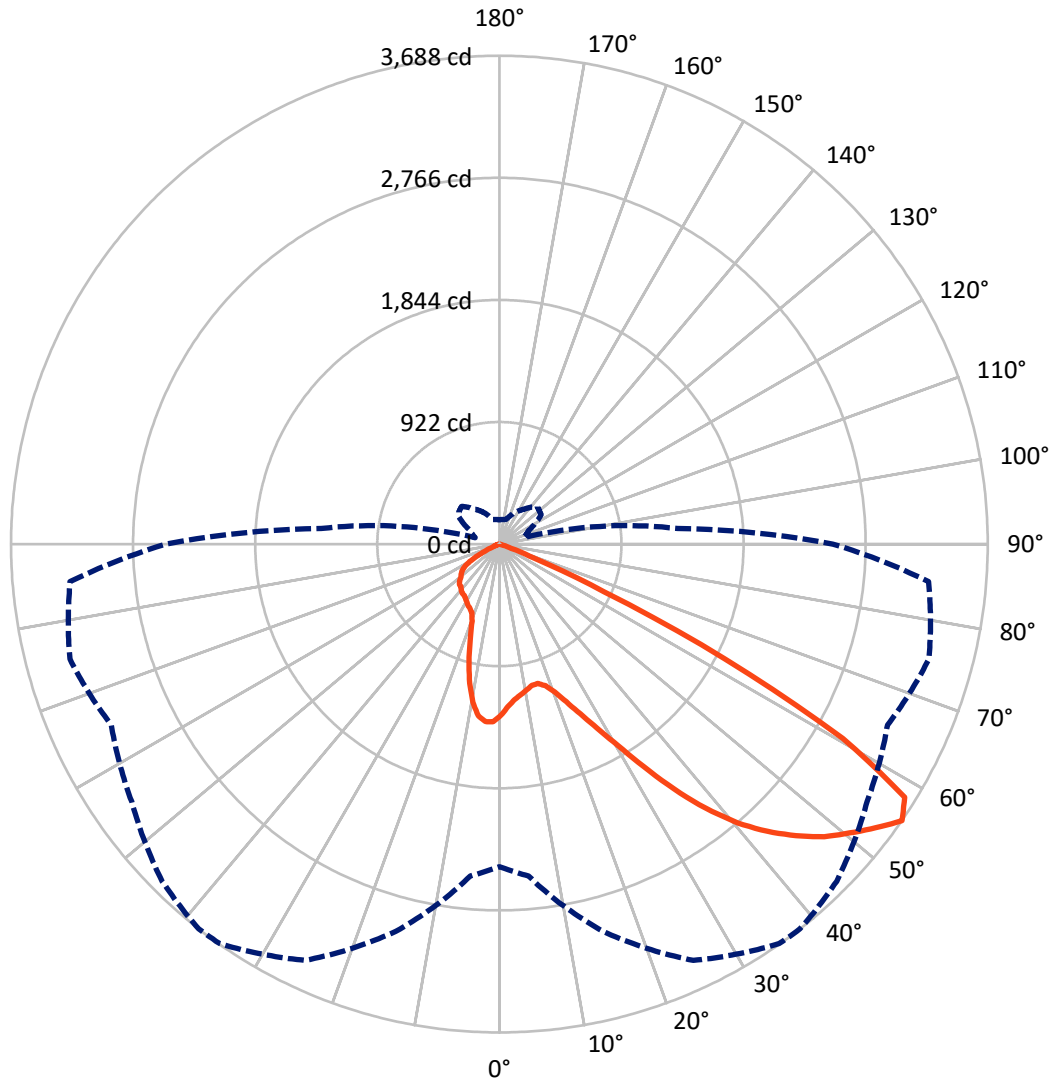
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 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	1050.9	0.0	1050.9
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	4343.2	0.0	4343.2
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	5394.2	0.0	5394.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.6	2.2
10°-20°	322.0	6.0
20°-30°	552.6	10.2
30°-40°	916.5	17.0
40°-50°	1347.3	25.0
50°-60°	1574.3	29.2
60°-70°	533.6	9.9
70°-80°	27.3	0.5
80°-90°	1.0	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°	5394.2	100.0
0°-180°	5394.2	100.0

**Coefficient of Utilization**

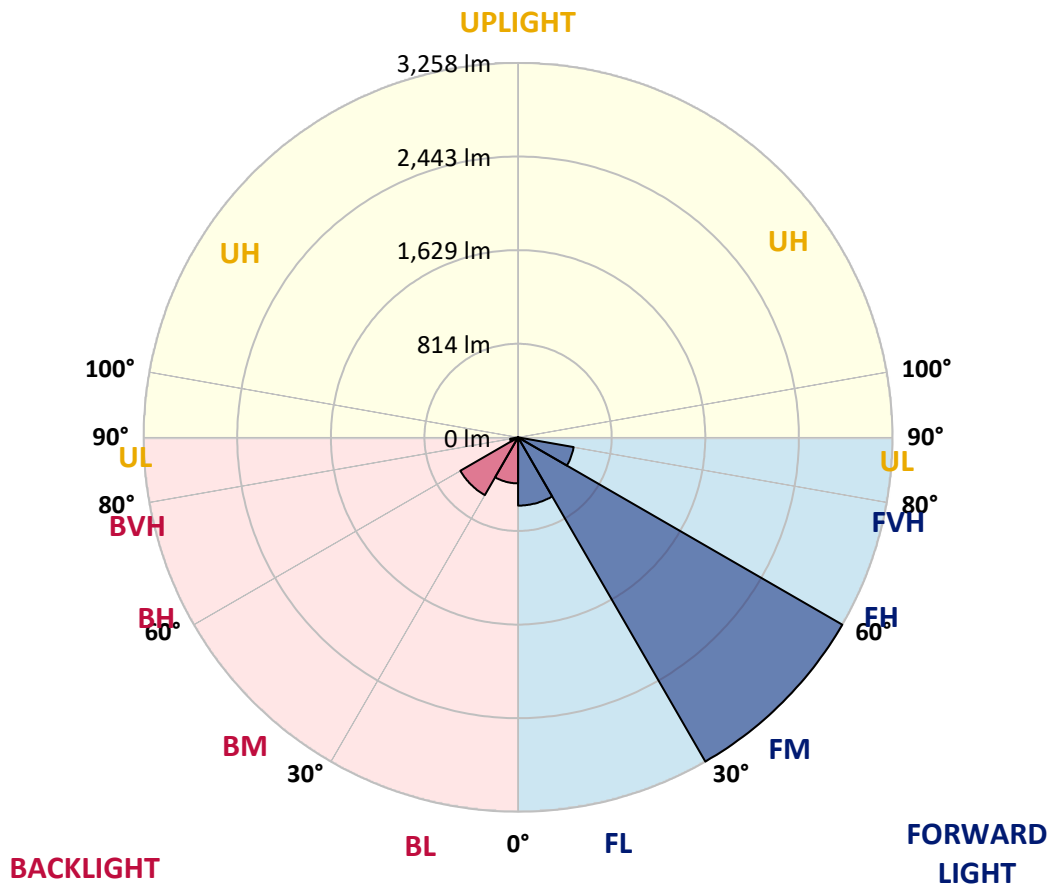


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.8	11.0			
FM (30°-60°)	3257.9	60.4			
FH (60°-80°)	490.9	9.1			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	400.4	7.4	B1/500		
BM (30°-60°)	580.1	10.8	B1/1000		
BH (60°-80°)	70.0	1.3	B0/110		G0/110
BVH (80°-90°)	0.5	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°	38°	45°	55°	65°	75°	85°
0°	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6
2.5°	1204.8	1202.3	1207.3	1217.1	1226.4	1229.4	1238.7	1251.6	1259.7	1278.8	1294.2
5°	1150.5	1149.3	1154.2	1162.9	1175.2	1179.5	1193.7	1215.3	1236.8	1270.1	1302.8
7.5°	1101.2	1100.6	1108.0	1127.1	1145.0	1150.5	1167.8	1194.3	1223.3	1274.5	1322.5
10°	1036.5	1037.1	1051.3	1078.4	1111.1	1122.2	1149.9	1188.1	1225.7	1291.7	1358.3
12.5°	1015.5	1016.7	1024.1	1045.1	1080.9	1095.0	1133.9	1191.8	1239.9	1316.4	1404.6
15°	1066.7	1066.7	1060.5	1063.0	1079.0	1092.0	1132.6	1204.2	1264.0	1346.0	1450.2
17.5°	1165.9	1162.2	1146.8	1125.9	1120.3	1124.6	1157.3	1230.7	1297.9	1380.5	1502.0
20°	1300.4	1301.6	1271.4	1227.6	1192.5	1191.8	1211.6	1277.5	1346.6	1421.8	1558.1
22.5°	1463.1	1458.2	1418.1	1358.3	1297.3	1292.3	1300.4	1349.1	1416.9	1487.2	1627.1
25°	1651.8	1649.3	1592.6	1512.5	1431.7	1420.0	1420.0	1468.1	1517.4	1580.3	1709.8
27.5°	1849.1	1849.1	1794.2	1701.7	1594.5	1573.5	1570.4	1627.1	1659.8	1672.1	1779.4
30°	2052.0	2049.5	1995.2	1900.3	1785.6	1764.0	1755.4	1797.3	1820.7	1783.7	1866.4
32.5°	2257.9	2262.2	2207.3	2119.2	2016.8	2002.6	1976.1	1976.1	1995.2	1943.4	2003.2
35°	2479.2	2478.0	2434.8	2375.0	2287.5	2271.5	2227.7	2159.2	2188.2	2165.4	2192.5
37.5°	2674.7	2683.9	2663.0	2618.6	2547.7	2531.6	2459.5	2335.6	2357.8	2393.5	2417.6
40°	2873.2	2880.6	2901.6	2887.4	2798.0	2768.4	2640.2	2436.7	2461.4	2584.1	2653.1
42.5°	3068.1	3071.8	3114.3	3137.7	3018.1	2966.3	2777.0	2498.4	2524.3	2733.3	2854.1
45°	3192.0	3200.0	3270.3	3341.8	3212.3	3141.4	2896.0	2577.3	2588.4	2836.9	3002.7
47.5°	3187.1	3205.6	3337.5	3467.6	3379.4	3303.0	3039.1	2703.7	2685.2	2934.3	3100.7
50°	3087.8	3110.0	3299.3	3505.8	3499.7	3428.8	3198.2	2886.8	2828.8	3020.6	3113.1
52.5°	2881.9	2946.0	3232.1	3510.8	3596.5	3560.7	3394.9	3133.4	3023.1	3144.5	3132.8
55°	2436.7	2515.6	3028.0	3468.8	3684.0	3688.3	3601.4	3390.5	3233.9	3357.9	3254.3
57.5°	1849.7	1912.6	2330.6	3087.8	3539.1	3610.0	3681.6	3526.2	3364.0	3503.4	3282.6
60°	1114.8	1187.5	1459.4	2265.9	2858.4	2979.3	3259.8	3229.6	3034.2	3094.0	2692.0
62.5°	451.9	490.2	673.9	1248.6	1799.2	1912.0	2180.8	2226.4	2178.4	2117.3	1632.7
65°	165.2	180.7	270.1	516.1	827.4	868.8	1010.6	1091.3	1157.9	985.9	607.3
67.5°	102.4	112.2	175.7	265.1	300.9	279.9	284.9	339.7	324.3	200.4	108.5
70°	75.8	83.9	137.5	183.7	121.5	93.7	63.5	67.8	61.0	53.6	53.0
72.5°	52.4	59.8	103.0	108.5	46.9	33.3	23.4	32.7	37.0	36.4	37.6
75°	34.5	40.1	64.7	42.5	11.7	9.2	8.0	17.3	22.2	22.2	22.8
77.5°	20.3	23.4	22.8	8.6	2.5	2.5	1.8	3.1	4.9	5.5	6.8
80°	2.5	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8
82.5°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8
85°	0.0	0.0	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.8	1.8
87.5°	0.0	0.0	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.8	1.8
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°	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6
2.5°	1305.9	1301.6	1319.5	1332.4	1342.9	1347.8	1341.0	1340.4	1340.4	1326.9	1323.2
5°	1321.3	1323.2	1348.4	1359.5	1361.4	1355.2	1339.8	1329.3	1323.2	1309.0	1301.0
7.5°	1350.9	1357.1	1381.1	1379.3	1362.6	1334.3	1293.6	1262.1	1241.8	1219.6	1206.0
10°	1393.5	1405.2	1420.0	1394.1	1341.0	1268.9	1185.1	1125.2	1089.5	1064.2	1048.8
12.5°	1445.2	1457.0	1452.0	1391.0	1280.6	1151.8	1043.9	957.5	916.2	893.4	877.4
15°	1497.7	1505.1	1473.0	1354.0	1174.0	1000.7	880.5	794.8	744.2	725.7	712.1
17.5°	1551.3	1549.4	1476.7	1281.2	1031.5	830.5	712.1	653.6	639.4	636.3	635.1
20°	1607.4	1590.8	1461.9	1177.0	860.1	662.2	595.0	598.7	624.6	636.9	639.4
22.5°	1671.5	1629.6	1424.9	1035.8	685.0	551.8	558.6	595.0	630.1	646.8	649.3
25°	1740.0	1665.4	1363.2	854.6	540.1	507.4	547.5	589.4	627.1	647.4	649.9
27.5°	1785.0	1674.0	1262.1	672.1	463.7	490.2	532.7	572.8	611.6	633.8	636.9
30°	1833.7	1670.3	1124.6	517.9	437.8	475.4	512.4	548.8	584.5	609.2	611.6
32.5°	1905.2	1667.8	956.9	420.5	427.3	463.7	490.8	521.0	545.7	559.8	558.0
35°	1998.9	1664.7	761.5	379.2	421.1	454.4	476.0	490.2	463.0	454.4	456.3
37.5°	2119.2	1672.1	596.8	361.9	419.3	451.9	470.4	429.8	387.8	371.8	369.3
40°	2252.3	1691.3	455.0	355.1	425.4	458.1	449.5	382.3	330.5	299.0	292.3
42.5°	2386.1	1712.2	360.1	352.7	435.9	475.4	415.0	347.7	270.1	252.2	249.7
45°	2485.4	1708.5	311.4	348.4	445.2	485.2	405.7	298.4	241.1	233.1	233.7
47.5°	2535.3	1667.8	284.9	338.5	448.9	475.4	382.9	278.1	221.3	230.0	237.4
50°	2508.8	1562.4	260.2	319.4	440.8	462.4	346.5	262.7	211.5	247.2	263.9
52.5°	2476.8	1432.9	233.1	289.8	421.7	444.5	332.3	258.3	205.3	238.6	250.9
55°	2519.3	1350.9	188.7	244.2	384.1	402.6	321.2	257.7	191.1	185.6	183.7
57.5°	2459.5	1187.5	135.0	175.7	294.7	318.8	313.2	253.4	169.6	168.9	171.4
60°	1900.9	724.5	92.5	111.6	180.7	203.5	284.2	242.3	146.1	134.4	135.0
62.5°	1080.2	308.3	63.5	69.1	92.5	109.8	217.0	220.1	135.0	128.2	135.0
65°	376.1	110.4	49.3	46.2	51.2	58.6	124.5	170.2	122.7	111.0	112.2
67.5°	77.7	54.9	43.8	38.2	38.2	38.2	63.5	106.1	101.1	88.2	89.4
70°	49.3	46.9	38.2	32.7	31.4	29.0	36.4	58.6	69.7	64.1	64.7
72.5°	36.4	35.8	30.2	26.5	23.4	21.0	22.8	29.0	35.8	37.0	37.6
75°	22.2	22.8	19.7	16.6	14.8	12.9	13.6	13.6	13.6	12.3	13.6
77.5°	6.8	7.4	6.2	4.9	4.3	4.3	4.3	3.7	3.1	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.0	0.0
82.5°	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.0	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	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)