

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: P630597

Luminaire Tested: GWS-SA1E-722-U-AFL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630597  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-722-U-AFL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

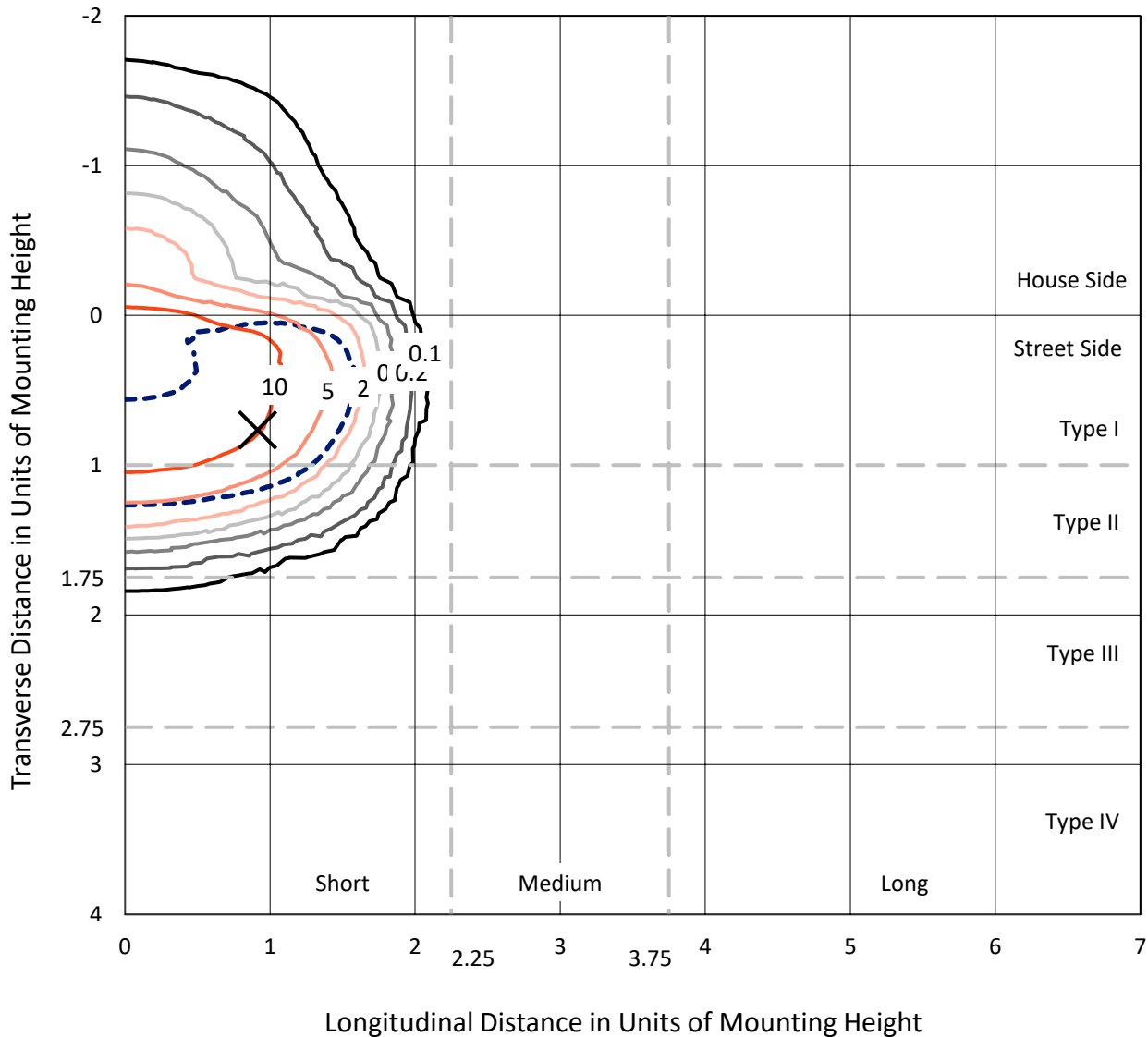
Lumens per Lamp: N/A  
Luminaire Lumens: 4203.8 lumens  
Efficiency: N/A  
Efficacy: 72.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

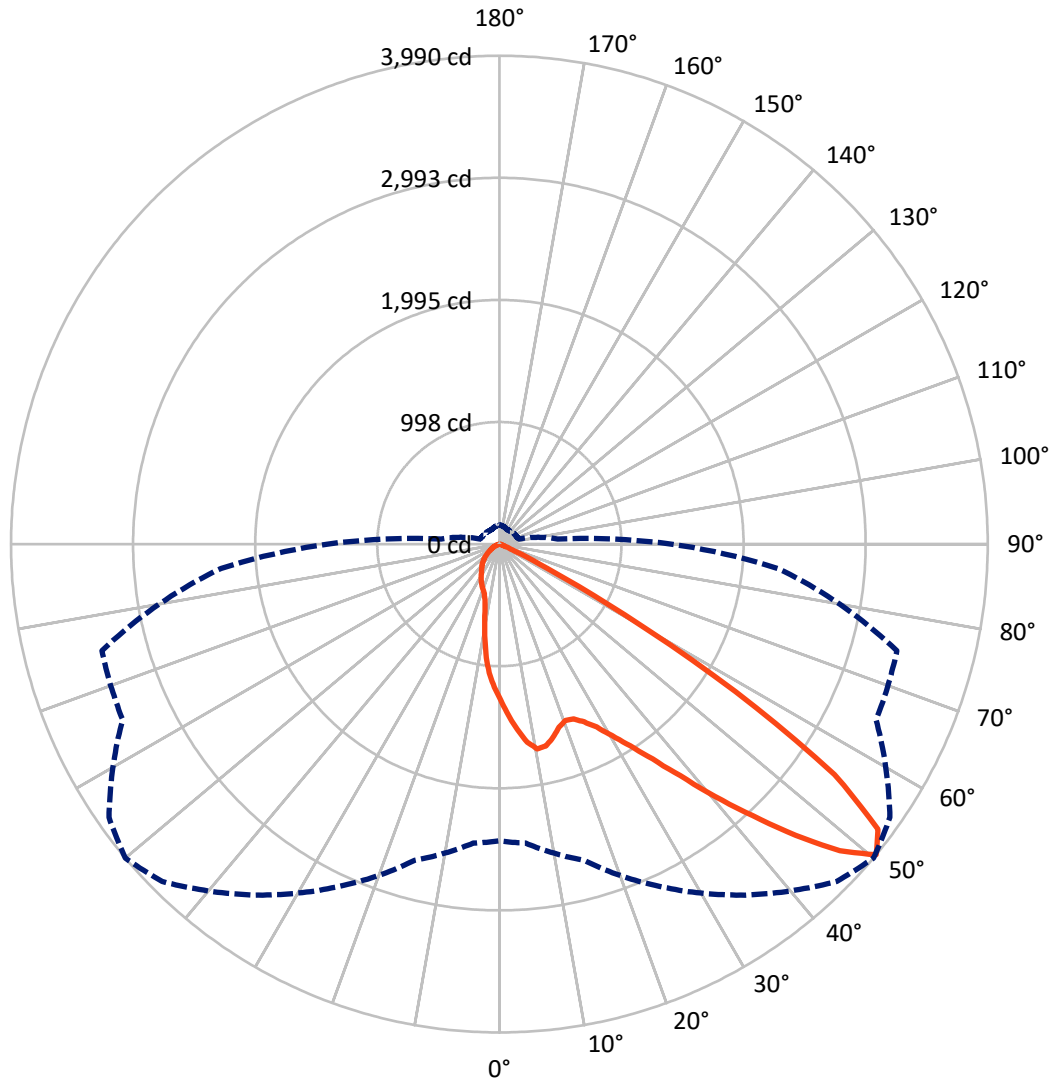
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	540.1	0.0	540.1
	% Fixture	12.8	0.0	12.8
<b>Street Side</b>	Lumens	3663.7	0.0	3663.7
	% Fixture	87.2	0.0	87.2
<b>Total</b>	Lumens	4203.8	0.0	4203.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.1	2.8
10°-20°	304.8	7.3
20°-30°	503.1	12.0
30°-40°	830.2	19.7
40°-50°	1313.5	31.2
50°-60°	994.5	23.7
60°-70°	124.4	3.0
70°-80°	14.1	0.3
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°	4203.8	100.0
0°-180°	4203.8	100.0

**Coefficient of Utilization**



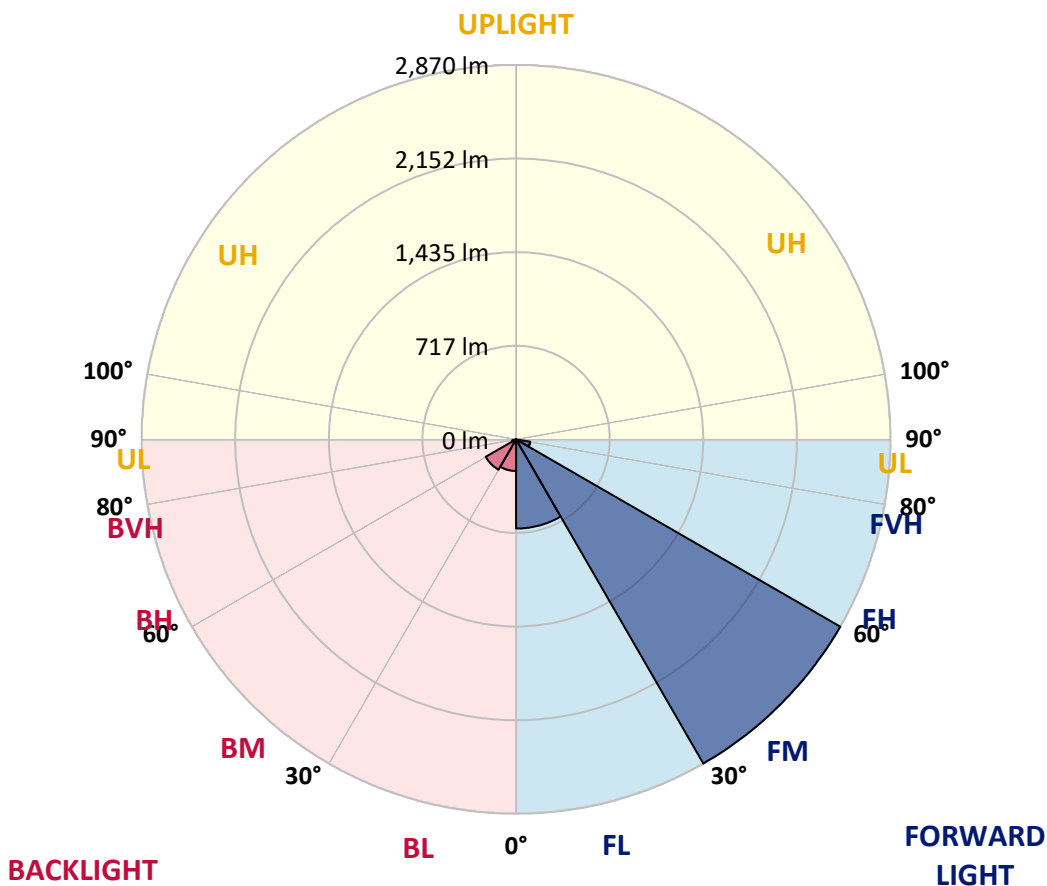
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	683.6	16.3			
FM (30°-60°)	2869.5	68.3			
FH (60°-80°)	110.0	2.6			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	242.4	5.8	B1/500		
BM (30°-60°)	268.6	6.4	B1/1000		
BH (60°-80°)	28.5	0.7	B0/110		G0/110
BVH (80°-90°)	0.6	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°	50°	55°	65°	75°	85°
0°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6
2.5°	1451.2	1462.8	1459.6	1444.4	1428.0	1416.4	1398.4	1392.8	1352.0	1323.6	1293.6
5°	1626.5	1630.1	1626.1	1607.7	1578.9	1551.3	1521.7	1504.5	1436.0	1374.4	1311.6
7.5°	1668.5	1664.1	1671.7	1680.9	1676.9	1664.9	1633.7	1614.9	1533.3	1432.8	1337.6
10°	1537.3	1527.3	1555.7	1603.3	1653.3	1709.7	1701.7	1703.3	1628.1	1506.5	1371.6
12.5°	1363.2	1359.2	1380.4	1435.6	1533.7	1661.7	1692.5	1744.1	1714.9	1586.1	1410.4
15°	1286.8	1288.8	1301.6	1336.4	1406.8	1566.1	1640.1	1733.3	1792.5	1663.3	1453.2
17.5°	1298.4	1305.6	1305.2	1316.8	1359.6	1487.2	1573.7	1699.3	1852.6	1752.1	1502.5
20°	1377.2	1384.4	1373.6	1364.8	1379.2	1467.2	1538.9	1664.9	1893.0	1841.8	1554.5
22.5°	1495.3	1503.7	1478.0	1452.8	1443.6	1500.1	1552.1	1650.9	1923.8	1923.8	1600.9
25°	1638.1	1649.7	1610.1	1565.3	1539.7	1569.3	1608.5	1682.5	1955.4	1997.4	1632.5
27.5°	1797.7	1798.1	1764.1	1713.7	1665.7	1669.3	1692.9	1753.7	1990.2	2076.6	1657.3
30°	1977.4	1978.6	1933.4	1873.0	1812.5	1796.1	1816.1	1862.2	2062.6	2176.3	1691.7
32.5°	2209.5	2215.1	2150.2	2061.4	1983.0	1952.2	1963.8	2012.2	2177.9	2301.1	1743.3
35°	2523.2	2529.2	2433.5	2316.3	2191.5	2145.0	2156.7	2205.5	2344.7	2478.3	1825.8
37.5°	2832.9	2840.9	2744.0	2634.8	2463.5	2386.7	2398.7	2445.1	2595.2	2723.2	1957.8
40°	3046.9	3057.7	3027.7	2954.1	2795.2	2694.4	2708.8	2725.6	2870.9	3016.1	2129.0
42.5°	3159.8	3175.0	3187.8	3225.4	3141.7	3057.3	3032.9	3034.1	3151.4	3314.6	2307.1
45°	3166.6	3181.4	3247.0	3392.2	3455.8	3438.2	3393.8	3363.8	3365.4	3513.5	2418.3
47.5°	2946.5	2974.1	3096.9	3381.4	3620.7	3766.7	3744.3	3673.1	3455.4	3526.7	2406.3
50°	2425.1	2452.3	2675.6	3084.9	3500.7	3898.0	3990.4	3894.8	3396.6	3362.2	2282.7
52.5°	1761.3	1764.1	1909.0	2387.1	3014.1	3655.9	3873.6	3864.4	3307.0	3163.0	2113.8
55°	836.7	826.6	989.5	1347.2	2084.6	2956.9	3323.8	3427.8	3179.8	3018.9	1983.0
57.5°	243.7	248.5	320.9	525.8	1042.7	1889.8	2276.3	2469.9	2610.0	2481.9	1538.1
60°	109.2	109.6	122.0	160.0	347.3	879.1	1176.8	1416.4	1560.5	1446.0	763.0
62.5°	79.2	79.6	84.4	90.4	118.0	297.7	441.3	588.2	599.0	392.1	193.3
65°	66.0	66.0	66.8	66.8	70.8	106.4	134.0	172.9	145.6	108.0	75.6
67.5°	53.2	53.6	54.4	54.4	53.2	53.2	57.6	63.2	67.6	83.6	69.6
70°	41.6	41.2	41.2	41.6	40.4	34.4	37.2	42.4	46.4	65.2	60.4
72.5°	32.4	32.8	32.4	30.8	28.0	20.4	22.0	27.6	29.6	40.8	40.8
75°	24.4	24.8	23.2	17.6	11.6	6.4	8.4	13.6	17.2	20.0	14.8
77.5°	3.2	3.2	2.4	2.4	2.0	2.4	2.4	3.2	4.8	4.8	3.6
80°	0.4	0.4	0.4	0.8	1.2	1.6	1.6	1.6	1.6	2.0	2.0
82.5°	0.4	0.4	0.4	0.4	1.2	1.2	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.4	0.8	1.2	1.2	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.4	0.8	1.2	1.2	1.2	1.6	1.6	1.6
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°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6
2.5°	1275.6	1252.4	1224.4	1205.2	1178.0	1159.9	1134.3	1117.1	1102.3	1090.7	1097.1
5°	1276.0	1239.2	1182.0	1133.1	1079.9	1031.1	978.7	937.5	900.3	883.5	892.7
7.5°	1284.0	1231.2	1143.5	1056.7	954.7	853.9	759.4	682.6	644.6	626.6	632.2
10°	1299.6	1227.6	1100.7	956.7	791.0	653.4	561.8	509.8	488.5	477.3	479.3
12.5°	1314.0	1225.2	1045.1	825.0	624.2	507.0	459.3	452.1	456.5	456.9	456.5
15°	1333.6	1220.8	976.3	689.8	499.4	438.1	439.3	449.7	460.1	463.3	462.5
17.5°	1354.4	1214.0	887.5	560.2	423.7	418.1	432.1	446.1	456.5	458.1	458.5
20°	1376.0	1200.0	786.2	457.3	388.5	402.9	418.5	428.9	436.5	438.9	439.7
22.5°	1386.0	1170.4	669.4	383.7	364.9	384.1	395.7	409.3	411.7	402.9	404.5
25°	1380.8	1120.3	555.4	334.1	341.3	360.5	377.7	370.9	360.9	354.5	356.5
27.5°	1364.4	1053.9	443.7	297.7	316.1	340.5	342.5	334.9	333.3	328.1	329.7
30°	1346.8	977.5	356.9	268.5	290.5	316.1	310.1	312.9	313.3	307.3	309.3
32.5°	1336.0	897.5	284.1	248.9	274.1	278.9	290.9	296.5	296.9	282.9	285.3
35°	1339.6	818.6	240.5	232.9	258.9	257.7	274.5	277.7	254.5	235.3	237.3
37.5°	1368.8	745.8	215.7	220.5	232.5	241.7	254.5	233.3	228.1	219.3	220.5
40°	1423.2	683.8	200.9	212.9	214.5	229.3	209.7	212.5	212.9	207.3	208.5
42.5°	1486.8	632.2	192.1	208.5	204.5	206.9	187.3	192.9	198.9	196.5	196.9
45°	1518.9	581.8	184.5	193.3	194.5	171.7	167.3	173.3	180.9	182.1	182.5
47.5°	1490.4	533.8	176.5	171.3	179.3	156.4	151.2	153.2	162.0	166.9	167.7
50°	1403.6	478.5	164.4	151.6	147.2	140.4	135.6	136.0	146.0	154.4	156.0
52.5°	1281.6	420.9	144.8	128.4	118.4	123.6	124.8	122.4	131.6	140.0	141.6
55°	1163.2	348.9	114.8	104.4	95.2	106.4	109.6	106.4	109.2	114.8	115.2
57.5°	819.0	197.3	88.0	86.4	78.8	91.2	96.4	91.6	86.8	90.4	91.2
60°	379.7	103.2	67.6	67.6	65.6	78.4	87.2	80.4	71.2	72.8	74.0
62.5°	118.8	65.2	49.6	46.8	53.6	66.8	74.0	67.2	56.4	56.4	58.0
65°	67.2	56.0	39.2	36.0	43.6	53.6	58.0	50.8	41.2	40.4	40.4
67.5°	62.4	53.2	34.8	29.2	30.8	34.4	36.0	31.2	28.4	28.0	28.4
70°	51.6	44.4	28.0	20.0	18.8	18.4	19.2	18.0	17.2	17.6	18.8
72.5°	32.0	26.8	17.6	12.0	10.4	10.0	10.0	10.0	9.6	9.6	9.6
75°	11.6	10.0	8.0	6.0	5.2	4.8	4.8	5.2	4.8	4.4	4.0
77.5°	3.6	3.2	3.2	3.2	2.8	2.4	2.0	2.0	1.6	1.2	1.2
80°	2.0	2.0	2.0	2.0	1.6	1.6	1.2	0.8	0.4	0.4	0.0
82.5°	2.0	2.0	2.0	1.6	1.6	1.6	1.2	0.8	0.4	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.2	0.8	0.4	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.2	0.8	0.4	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)