

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: P630377

Luminaire Tested: GWS-SA1D-750-U-AFL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630377  
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-SA1D-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

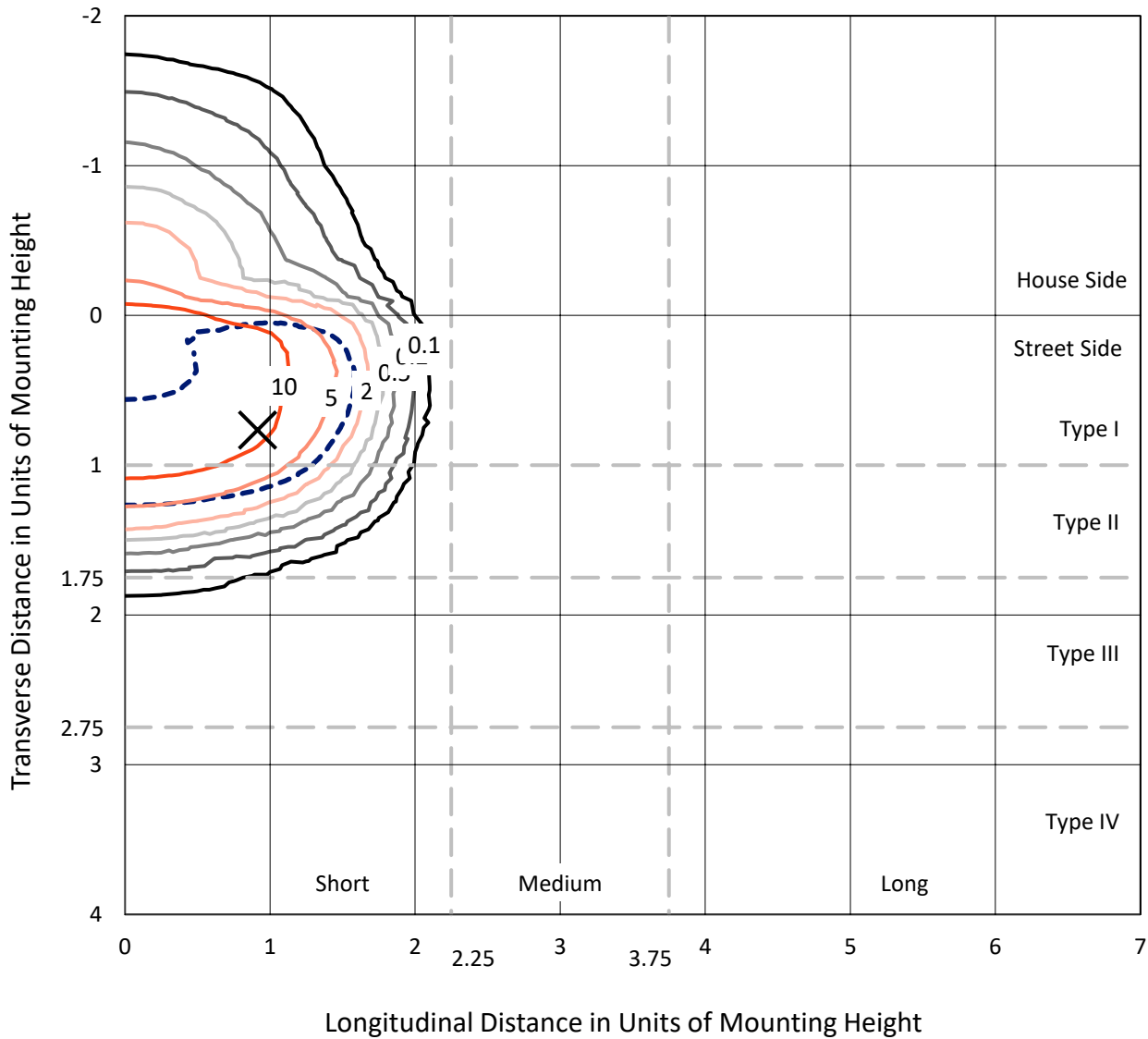
Lumens per Lamp: N/A  
Luminaire Lumens: 4671.6 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P630377  
 CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

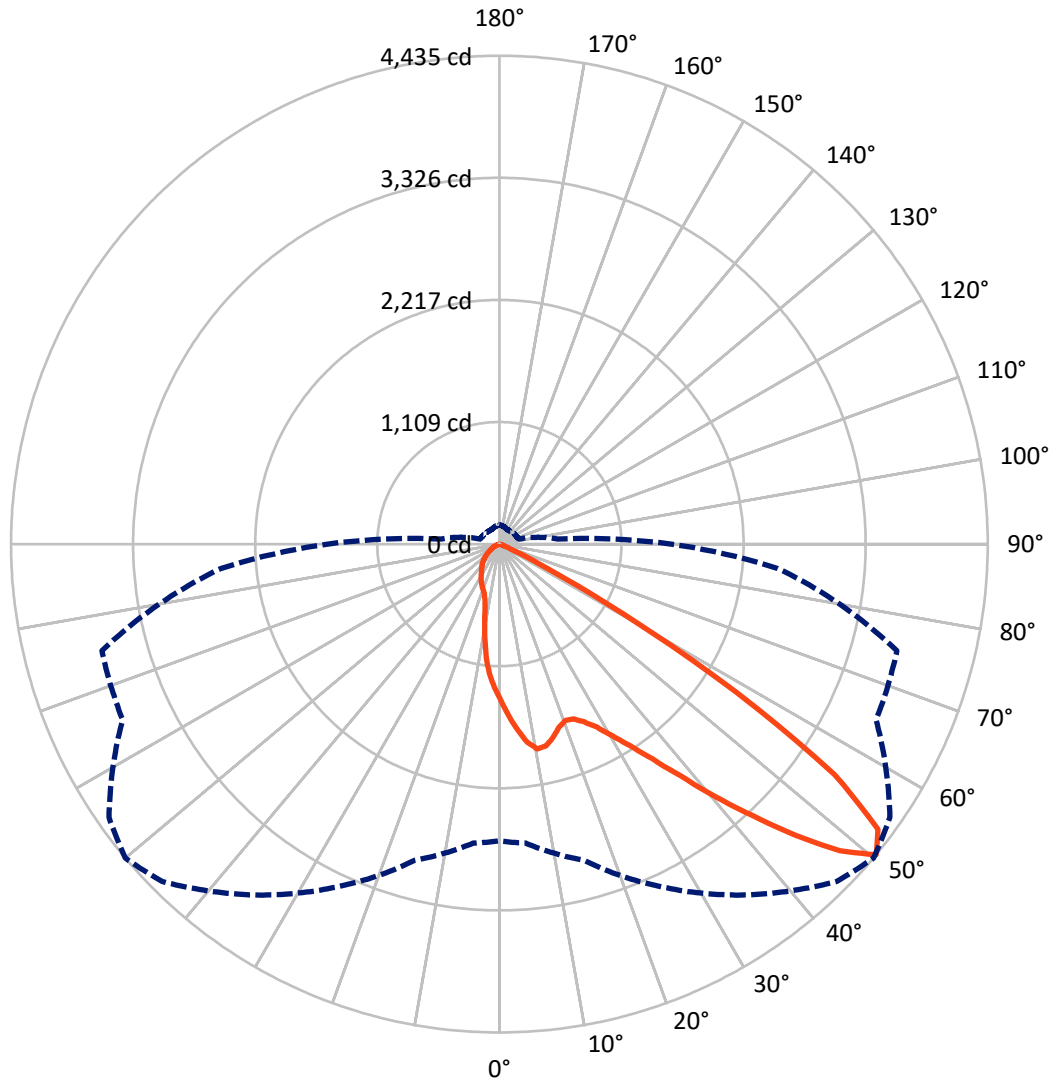
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P630377  
CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P630377  
 CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	600.2	0.0	600.2
	% Fixture	12.8	0.0	12.8
<b>Street Side</b>	Lumens	4071.4	0.0	4071.4
	% Fixture	87.2	0.0	87.2
<b>Total</b>	Lumens	4671.6	0.0	4671.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	2.8
10°-20°	338.7	7.3
20°-30°	559.0	12.0
30°-40°	922.5	19.7
40°-50°	1459.7	31.2
50°-60°	1105.1	23.7
60°-70°	138.3	3.0
70°-80°	15.6	0.3
80°-90°	1.2	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°	4671.6	100.0
0°-180°	4671.6	100.0

**Coefficient of Utilization**



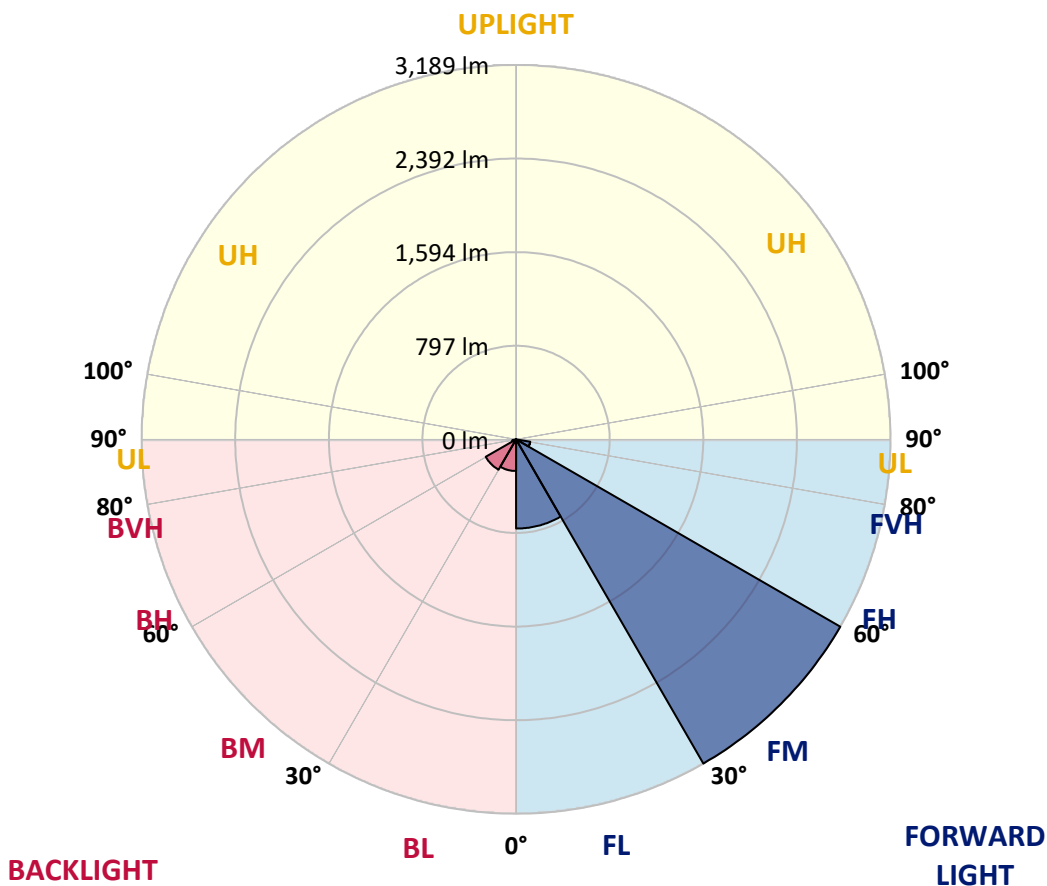
REPORT NUMBER: P630377

CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	759.7	16.3			
FM (30°-60°)	3188.9	68.3			
FH (60°-80°)	122.3	2.6			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	269.4	5.8	B1/500		
BM (30°-60°)	298.5	6.4	B1/1000		
BH (60°-80°)	31.7	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





REPORT NUMBER: P630377

CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3
2.5°	1612.7	1625.6	1622.1	1605.2	1586.9	1574.0	1554.0	1547.8	1502.5	1470.9	1437.5
5°	1807.5	1811.5	1807.0	1786.6	1754.6	1723.9	1691.0	1671.9	1595.8	1527.4	1457.6
7.5°	1854.2	1849.3	1857.7	1868.0	1863.5	1850.2	1815.5	1794.6	1703.9	1592.3	1486.5
10°	1708.3	1697.2	1728.8	1781.7	1837.3	1900.0	1891.1	1892.9	1809.3	1674.1	1524.2
12.5°	1514.9	1510.5	1534.0	1595.4	1704.3	1846.6	1880.9	1938.2	1905.8	1762.6	1567.4
15°	1430.0	1432.2	1446.4	1485.1	1563.4	1740.3	1822.6	1926.2	1992.0	1848.4	1615.0
17.5°	1442.9	1450.9	1450.4	1463.3	1510.9	1652.8	1748.8	1888.4	2058.7	1947.1	1669.6
20°	1530.5	1538.5	1526.5	1516.7	1532.7	1630.5	1710.1	1850.2	2103.6	2046.7	1727.5
22.5°	1661.6	1671.0	1642.5	1614.5	1604.3	1667.0	1724.8	1834.6	2137.9	2137.9	1779.0
25°	1820.4	1833.3	1789.3	1739.5	1711.0	1743.9	1787.5	1869.7	2173.0	2219.7	1814.2
27.5°	1997.8	1998.2	1960.4	1904.4	1851.1	1855.1	1881.3	1948.9	2211.7	2307.7	1841.7
30°	2197.4	2198.8	2148.5	2081.4	2014.2	1996.0	2018.2	2069.4	2292.2	2418.4	1880.0
32.5°	2455.3	2461.6	2389.5	2290.8	2203.7	2169.4	2182.3	2236.1	2420.2	2557.2	1937.3
35°	2803.9	2810.6	2704.3	2574.1	2435.3	2383.7	2396.6	2450.9	2605.6	2754.1	2028.9
37.5°	3148.1	3157.0	3049.4	2928.0	2737.7	2652.3	2665.7	2717.2	2884.0	3026.3	2175.7
40°	3386.0	3398.0	3364.6	3282.8	3106.3	2994.2	3010.3	3028.9	3190.3	3351.7	2366.0
42.5°	3511.4	3528.3	3542.5	3584.3	3491.4	3397.5	3370.4	3371.8	3502.0	3683.4	2563.8
45°	3518.9	3535.4	3608.3	3769.7	3840.4	3820.8	3771.5	3738.1	3739.9	3904.4	2687.4
47.5°	3274.4	3305.1	3441.6	3757.7	4023.6	4185.9	4161.0	4081.9	3840.0	3919.1	2674.1
50°	2695.0	2725.2	2973.3	3428.2	3890.2	4331.7	4434.5	4328.2	3774.6	3736.4	2536.7
52.5°	1957.3	1960.4	2121.4	2652.8	3349.5	4062.7	4304.6	4294.4	3675.0	3514.9	2349.1
55°	929.8	918.6	1099.6	1497.1	2316.6	3285.9	3693.7	3809.3	3533.6	3354.9	2203.7
57.5°	270.8	276.1	356.6	584.3	1158.7	2100.1	2529.6	2744.8	2900.4	2758.1	1709.2
60°	121.4	121.8	135.6	177.9	386.0	976.9	1307.7	1574.0	1734.1	1607.0	847.9
62.5°	88.0	88.5	93.8	100.5	131.2	330.8	490.4	653.6	665.6	435.8	214.8
65°	73.4	73.4	74.3	74.3	78.7	118.3	149.0	192.1	161.9	120.1	84.0
67.5°	59.1	59.6	60.5	60.5	59.1	59.1	64.0	70.3	75.1	92.9	77.4
70°	46.2	45.8	45.8	46.2	44.9	38.2	41.4	47.1	51.6	72.5	67.1
72.5°	36.0	36.5	36.0	34.2	31.1	22.7	24.5	30.7	32.9	45.4	45.4
75°	27.1	27.6	25.8	19.6	12.9	7.1	9.3	15.1	19.1	22.2	16.5
77.5°	3.6	3.6	2.7	2.7	2.2	2.7	2.7	3.6	5.3	5.3	4.0
80°	0.4	0.4	0.4	0.9	1.3	1.8	1.8	1.8	1.8	2.2	2.2
82.5°	0.4	0.4	0.4	0.4	1.3	1.3	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.4	0.9	1.3	1.3	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.4	0.9	1.3	1.3	1.3	1.8	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



REPORT NUMBER: P630377

CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3	1415.3
2.5°	1417.5	1391.7	1360.6	1339.3	1309.0	1289.0	1260.6	1241.5	1225.0	1212.1	1219.2
5°	1418.0	1377.1	1313.5	1259.2	1200.1	1145.9	1087.6	1041.8	1000.5	981.8	992.0
7.5°	1426.9	1368.2	1270.8	1174.3	1060.9	948.9	843.9	758.6	716.3	696.3	702.5
10°	1444.2	1364.2	1223.2	1063.1	879.1	726.1	624.3	566.5	542.9	530.5	532.7
12.5°	1460.2	1361.5	1161.4	916.9	693.6	563.4	510.5	502.5	507.3	507.8	507.3
15°	1482.0	1356.6	1084.9	766.6	554.9	486.9	488.2	499.8	511.3	514.9	514.0
17.5°	1505.1	1349.1	986.2	622.5	470.9	464.7	480.2	495.8	507.3	509.1	509.6
20°	1529.1	1333.5	873.7	508.2	431.8	447.8	465.1	476.7	485.1	487.8	488.7
22.5°	1540.3	1300.6	743.9	426.4	405.5	426.9	439.8	454.9	457.5	447.8	449.5
25°	1534.5	1245.0	617.2	371.3	379.3	400.6	419.7	412.2	401.1	394.0	396.2
27.5°	1516.2	1171.2	493.1	330.8	351.3	378.4	380.6	372.2	370.4	364.6	366.4
30°	1496.7	1086.3	396.6	298.4	322.8	351.3	344.6	347.7	348.2	341.5	343.7
32.5°	1484.7	997.3	315.7	276.6	304.6	309.9	323.3	329.5	329.9	314.4	317.0
35°	1488.7	909.7	267.2	258.8	287.7	286.4	305.0	308.6	282.8	261.5	263.7
37.5°	1521.1	828.8	239.7	245.0	258.3	268.6	282.8	259.2	253.4	243.7	245.0
40°	1581.6	759.9	223.2	236.6	238.3	254.8	233.0	236.1	236.6	230.3	231.7
42.5°	1652.3	702.5	213.4	231.7	227.2	229.9	208.1	214.3	221.0	218.3	218.8
45°	1687.9	646.5	205.0	214.8	216.1	190.8	185.9	192.5	201.0	202.3	202.8
47.5°	1656.3	593.2	196.1	190.3	199.2	173.9	168.1	170.3	180.1	185.4	186.3
50°	1559.8	531.8	182.7	168.5	163.6	156.1	150.7	151.2	162.3	171.6	173.4
52.5°	1424.2	467.8	161.0	142.7	131.6	137.4	138.7	136.1	146.3	155.6	157.4
55°	1292.6	387.7	127.6	116.1	105.8	118.3	121.8	118.3	121.4	127.6	128.1
57.5°	910.2	219.2	97.8	96.0	87.6	101.4	107.2	101.8	96.5	100.5	101.4
60°	422.0	114.7	75.1	75.1	72.9	87.2	96.9	89.4	79.1	80.9	82.3
62.5°	132.1	72.5	55.1	52.0	59.6	74.3	82.3	74.7	62.7	62.7	64.5
65°	74.7	62.3	43.6	40.0	48.5	59.6	64.5	56.5	45.8	44.9	44.9
67.5°	69.4	59.1	38.7	32.5	34.2	38.2	40.0	34.7	31.6	31.1	31.6
70°	57.4	49.4	31.1	22.2	20.9	20.5	21.3	20.0	19.1	19.6	20.9
72.5°	35.6	29.8	19.6	13.3	11.6	11.1	11.1	11.1	10.7	10.7	10.7
75°	12.9	11.1	8.9	6.7	5.8	5.3	5.3	5.8	5.3	4.9	4.4
77.5°	4.0	3.6	3.6	3.6	3.1	2.7	2.2	2.2	1.8	1.3	1.3
80°	2.2	2.2	2.2	2.2	1.8	1.8	1.3	0.9	0.4	0.4	0.0
82.5°	2.2	2.2	2.2	1.8	1.8	1.8	1.3	0.9	0.4	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.3	0.9	0.4	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.3	0.9	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)