

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: P630388

Luminaire Tested: GWS-SA1D-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-750-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

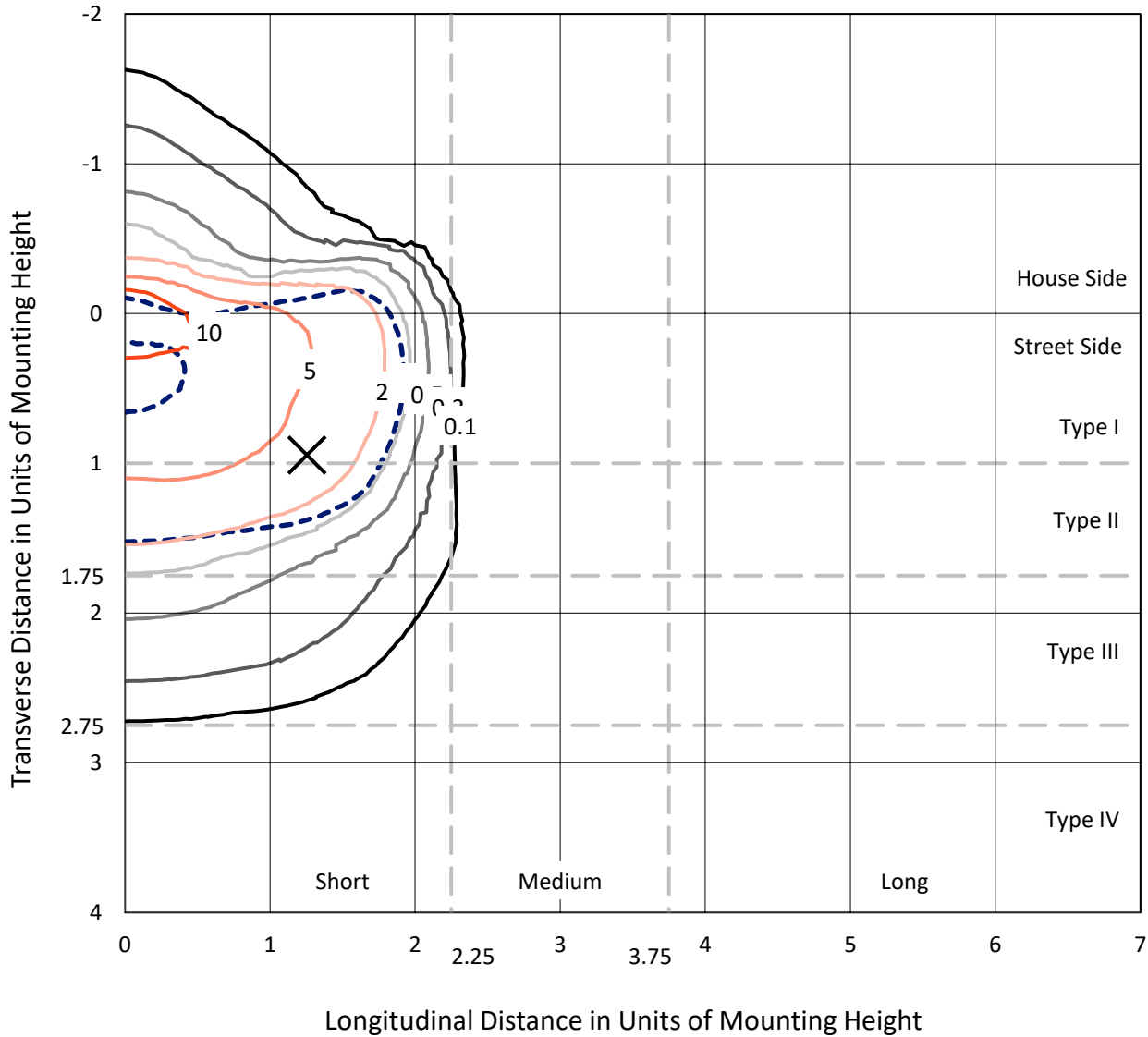
Lumens per Lamp: N/A  
Luminaire Lumens: 3627.9 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

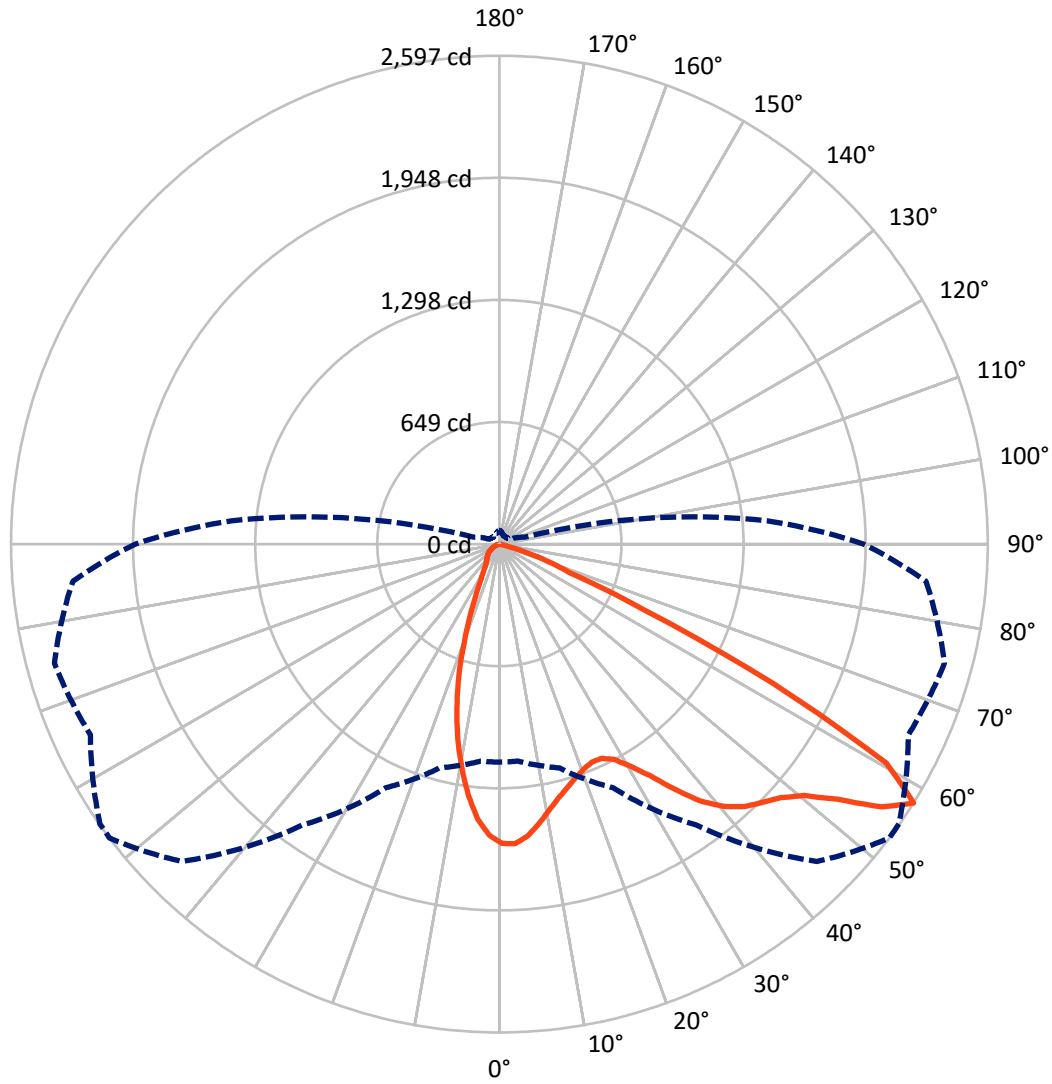
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	599.3	0.0	599.3
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	3028.6	0.0	3028.6
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	3627.9	0.0	3627.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.2	3.8
10°-20°	298.9	8.2
20°-30°	389.4	10.7
30°-40°	564.8	15.6
40°-50°	815.0	22.5
50°-60°	985.7	27.2
60°-70°	401.7	11.1
70°-80°	36.1	1.0
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°	3627.9	100.0
0°-180°	3627.9	100.0

**Coefficient of Utilization**



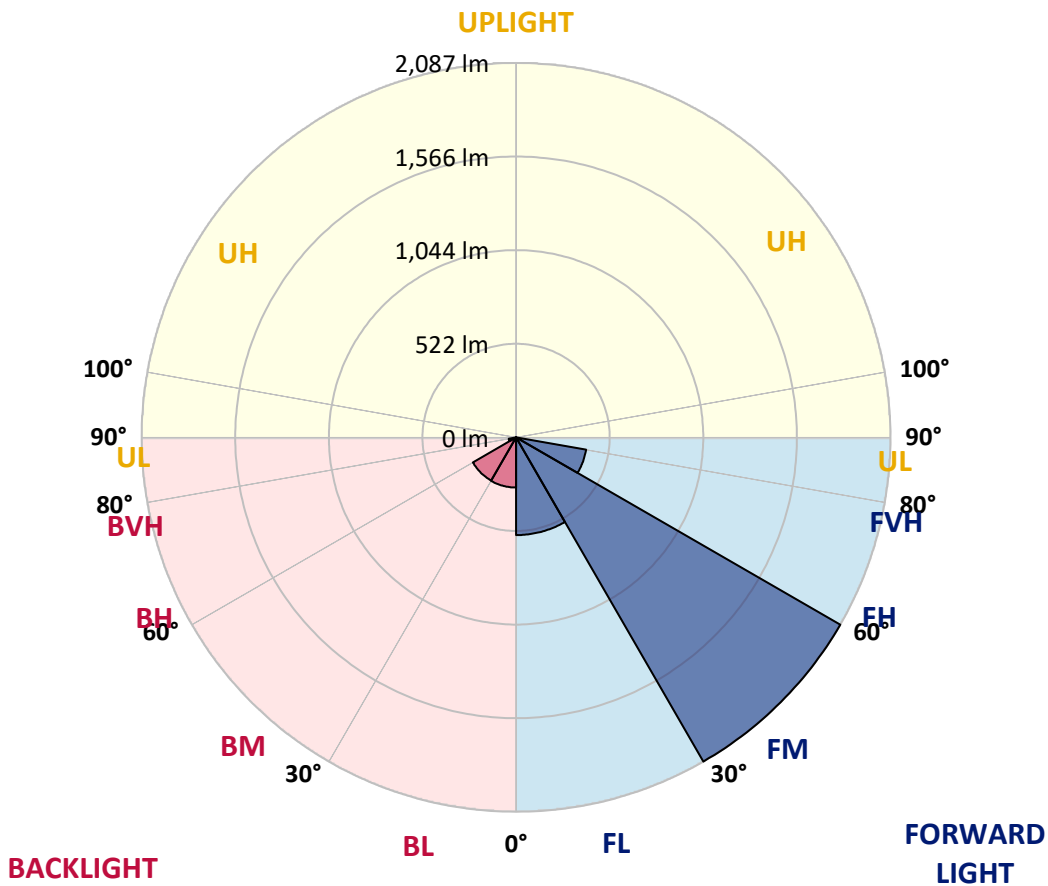
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.8	15.0			
FM (30°-60°)	2087.4	57.5			
FH (60°-80°)	396.4	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	279.7	7.7	B1/500		
BM (30°-60°)	278.2	7.7	B1/1000		
BH (60°-80°)	41.4	1.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4
2.5°	1569.2	1572.7	1579.0	1587.0	1592.3	1595.0	1595.0	1602.5	1597.6	1593.6	1589.2
5°	1502.0	1505.6	1514.0	1526.9	1539.8	1549.2	1559.8	1567.8	1570.9	1570.9	1563.4
7.5°	1407.3	1412.2	1417.5	1435.3	1463.3	1484.2	1502.5	1514.0	1530.9	1536.3	1525.6
10°	1305.5	1310.4	1322.4	1346.8	1378.9	1410.0	1441.1	1455.8	1484.7	1499.8	1487.8
12.5°	1219.2	1221.5	1237.5	1266.8	1307.7	1350.4	1388.2	1403.3	1444.2	1466.9	1452.7
15°	1148.1	1149.4	1165.4	1197.9	1245.0	1297.5	1345.1	1360.6	1410.9	1445.1	1423.8
17.5°	1094.3	1094.7	1108.5	1143.6	1193.0	1251.2	1307.7	1326.8	1391.8	1433.1	1401.1
20°	1067.2	1065.8	1075.6	1106.3	1153.0	1211.2	1277.9	1301.5	1381.1	1431.3	1383.8
22.5°	1067.6	1064.5	1068.5	1090.3	1129.9	1184.5	1259.2	1285.9	1382.0	1438.9	1369.1
25°	1093.0	1088.5	1089.4	1101.0	1129.0	1178.8	1261.9	1290.4	1399.8	1464.2	1363.7
27.5°	1135.6	1130.7	1130.7	1136.5	1151.6	1197.0	1295.3	1327.7	1447.3	1513.6	1374.9
30°	1190.8	1185.9	1184.1	1189.9	1202.3	1244.1	1369.5	1403.3	1528.7	1594.5	1410.4
32.5°	1253.9	1248.1	1251.2	1259.2	1271.3	1329.1	1465.1	1510.0	1630.5	1703.5	1474.5
35°	1320.6	1315.7	1329.9	1347.3	1366.0	1446.9	1597.2	1636.3	1755.5	1839.1	1572.3
37.5°	1384.2	1382.0	1411.8	1448.2	1486.9	1588.3	1731.5	1761.7	1862.6	1986.7	1691.9
40°	1447.8	1447.3	1498.5	1562.5	1624.3	1729.2	1833.3	1858.2	1928.0	2101.4	1806.6
42.5°	1518.9	1518.9	1589.6	1675.0	1757.3	1848.4	1908.0	1919.1	1957.4	2167.7	1892.9
45°	1587.0	1591.0	1672.8	1771.9	1869.3	1941.3	1959.6	1960.5	1969.4	2206.8	1964.5
47.5°	1640.8	1644.3	1742.1	1856.4	1961.4	2012.0	2014.7	2010.7	2000.9	2244.2	2019.6
50°	1684.3	1689.7	1791.9	1912.9	2024.5	2080.1	2100.5	2096.5	2071.6	2284.2	2058.3
52.5°	1705.7	1713.2	1809.3	1940.9	2094.7	2196.6	2253.5	2262.8	2177.5	2306.4	2095.2
55°	1534.9	1546.0	1634.5	1814.6	2133.9	2376.7	2466.0	2464.3	2292.2	2372.7	2185.0
57.5°	1159.2	1158.3	1231.7	1428.7	1822.6	2386.9	2596.8	2593.2	2399.3	2449.6	2277.1
60°	789.3	783.9	803.5	898.6	1274.4	1944.5	2363.3	2411.3	2323.3	2262.8	1933.3
62.5°	649.6	644.7	638.5	612.3	731.9	1211.2	1632.8	1705.7	1694.1	1572.7	1212.6
65°	531.8	535.8	553.1	542.0	509.1	621.2	847.5	890.6	814.2	685.2	423.8
67.5°	392.2	394.0	416.6	475.3	457.5	413.5	398.9	406.0	237.9	109.4	70.7
70°	231.7	233.0	253.9	332.6	371.3	317.5	269.5	265.5	94.3	29.3	32.0
72.5°	131.2	128.5	132.5	158.3	202.3	168.5	138.7	126.3	28.5	16.5	16.5
75°	62.3	60.5	52.0	48.9	44.5	28.5	17.8	15.1	7.1	6.7	6.7
77.5°	0.4	1.3	0.9	1.3	1.3	0.9	0.4	0.4	1.3	1.3	1.8
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4	1591.4
2.5°	1581.2	1567.8	1564.7	1563.8	1551.4	1538.0	1524.3	1518.9	1510.9	1506.0	1510.0
5°	1551.4	1532.3	1515.4	1499.8	1472.2	1442.0	1415.8	1398.9	1382.9	1372.2	1374.9
7.5°	1509.1	1484.2	1445.6	1406.0	1355.3	1309.9	1259.2	1228.1	1199.2	1183.2	1190.8
10°	1464.2	1431.3	1369.5	1302.4	1222.8	1151.6	1079.2	1020.0	985.8	953.3	956.9
12.5°	1420.2	1376.6	1284.2	1182.3	1081.8	976.9	867.5	785.7	729.7	689.2	683.0
15°	1379.3	1323.3	1201.0	1066.7	929.8	790.1	650.5	533.6	468.7	428.6	426.0
17.5°	1342.8	1273.5	1114.7	945.8	774.1	595.4	434.9	347.3	309.9	292.6	290.8
20°	1307.7	1223.2	1026.7	823.0	604.3	418.0	300.1	259.7	247.7	240.6	241.4
22.5°	1273.9	1168.5	934.2	687.0	453.1	293.5	232.6	217.0	215.7	216.5	217.0
25°	1245.5	1118.3	839.1	555.8	323.3	223.7	194.3	189.9	193.9	199.6	200.5
27.5°	1230.8	1077.4	746.1	423.8	233.9	181.9	168.5	170.3	177.4	183.6	184.5
30°	1234.8	1046.7	650.1	307.3	180.1	153.4	149.0	152.5	159.6	165.4	166.3
32.5°	1263.3	1031.1	551.8	223.7	148.1	133.8	132.1	134.7	141.0	145.4	145.8
35°	1319.7	1034.7	458.4	171.2	127.2	119.2	118.7	120.5	123.6	126.7	127.2
37.5°	1402.9	1063.6	366.4	142.3	115.2	109.4	107.6	107.6	109.8	111.2	112.1
40°	1492.2	1107.2	293.5	125.8	106.7	100.5	96.9	95.6	97.4	99.2	99.6
42.5°	1566.1	1150.8	238.3	114.3	100.0	91.6	87.2	86.3	88.5	91.6	92.5
45°	1622.5	1184.5	198.8	104.9	92.5	83.1	78.3	78.3	82.3	87.6	88.5
47.5°	1674.1	1211.7	169.4	96.5	85.4	75.6	70.7	71.6	78.3	85.4	86.7
50°	1709.2	1233.5	147.6	88.9	79.6	69.4	64.9	66.7	74.7	83.1	84.5
52.5°	1747.0	1260.1	133.4	82.3	74.3	64.5	60.5	61.8	70.7	80.0	81.8
55°	1851.5	1349.5	133.0	73.4	64.9	57.8	56.0	56.5	65.4	76.0	78.3
57.5°	1936.9	1428.2	141.8	61.8	54.2	50.7	49.8	50.2	58.2	70.3	72.9
60°	1602.5	1109.8	117.4	51.1	45.4	44.5	43.1	44.0	51.6	62.3	64.5
62.5°	948.4	634.5	56.0	39.1	38.7	37.8	36.5	38.2	45.4	54.7	56.0
65°	324.2	188.1	35.6	32.0	32.9	31.6	30.2	32.0	38.2	43.6	44.0
67.5°	62.3	49.8	28.5	26.7	27.1	24.5	24.0	25.8	29.3	30.2	29.8
70°	32.5	28.9	21.8	21.8	20.9	17.3	17.3	19.1	19.1	17.8	17.3
72.5°	16.9	16.0	14.2	16.0	13.3	10.7	10.7	11.6	10.7	8.9	8.9
75°	6.7	6.7	6.2	8.0	5.8	4.9	4.4	5.3	4.0	3.1	3.1
77.5°	1.8	1.8	1.8	2.2	1.3	1.3	0.9	0.9	0.4	0.0	0.0
80°	0.0	0.4	0.0	0.4	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)