

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: P630329

Luminaire Tested: GWS-SA1D-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630329  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-740-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

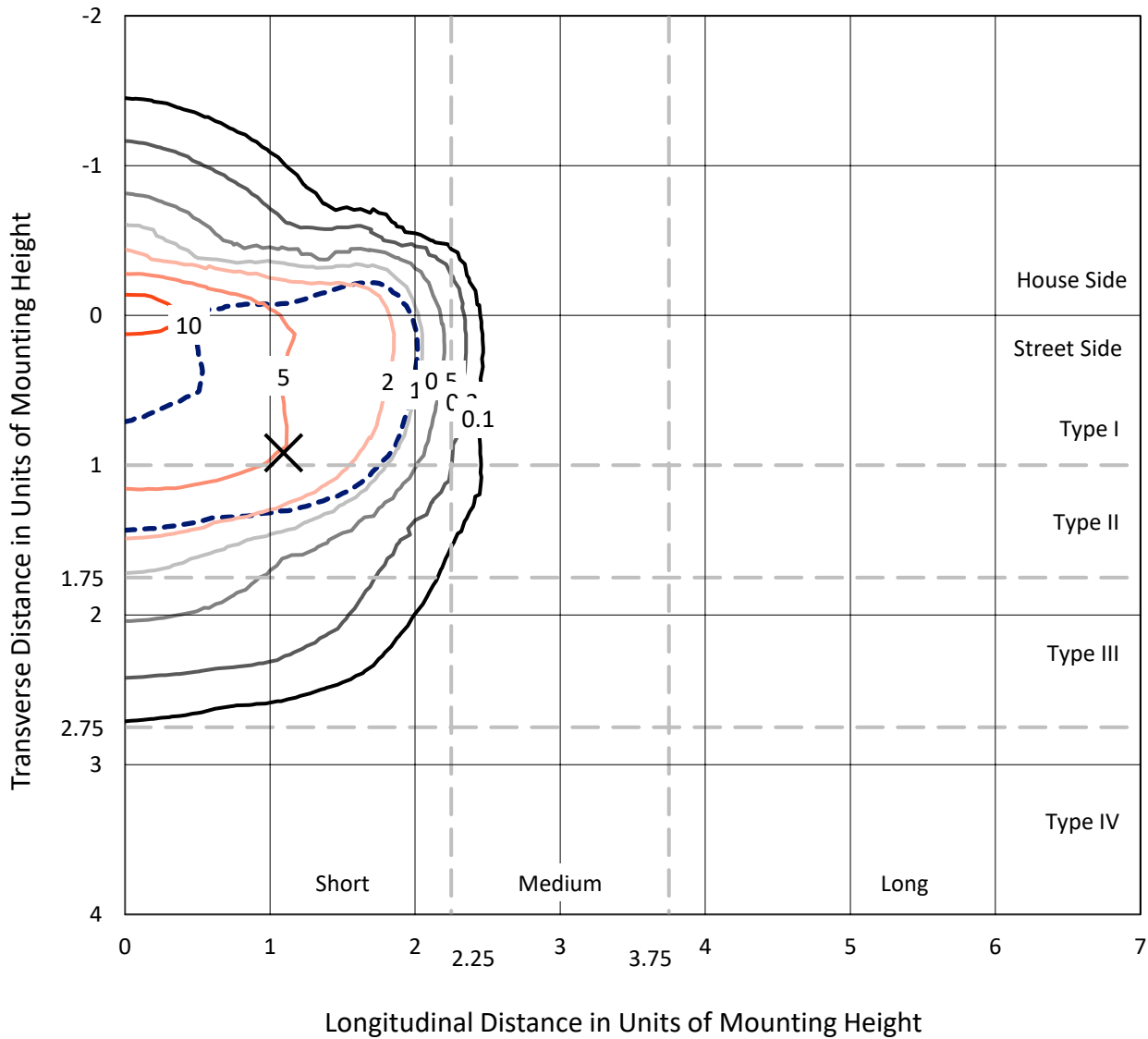
Lumens per Lamp: N/A  
Luminaire Lumens: 3560.6 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

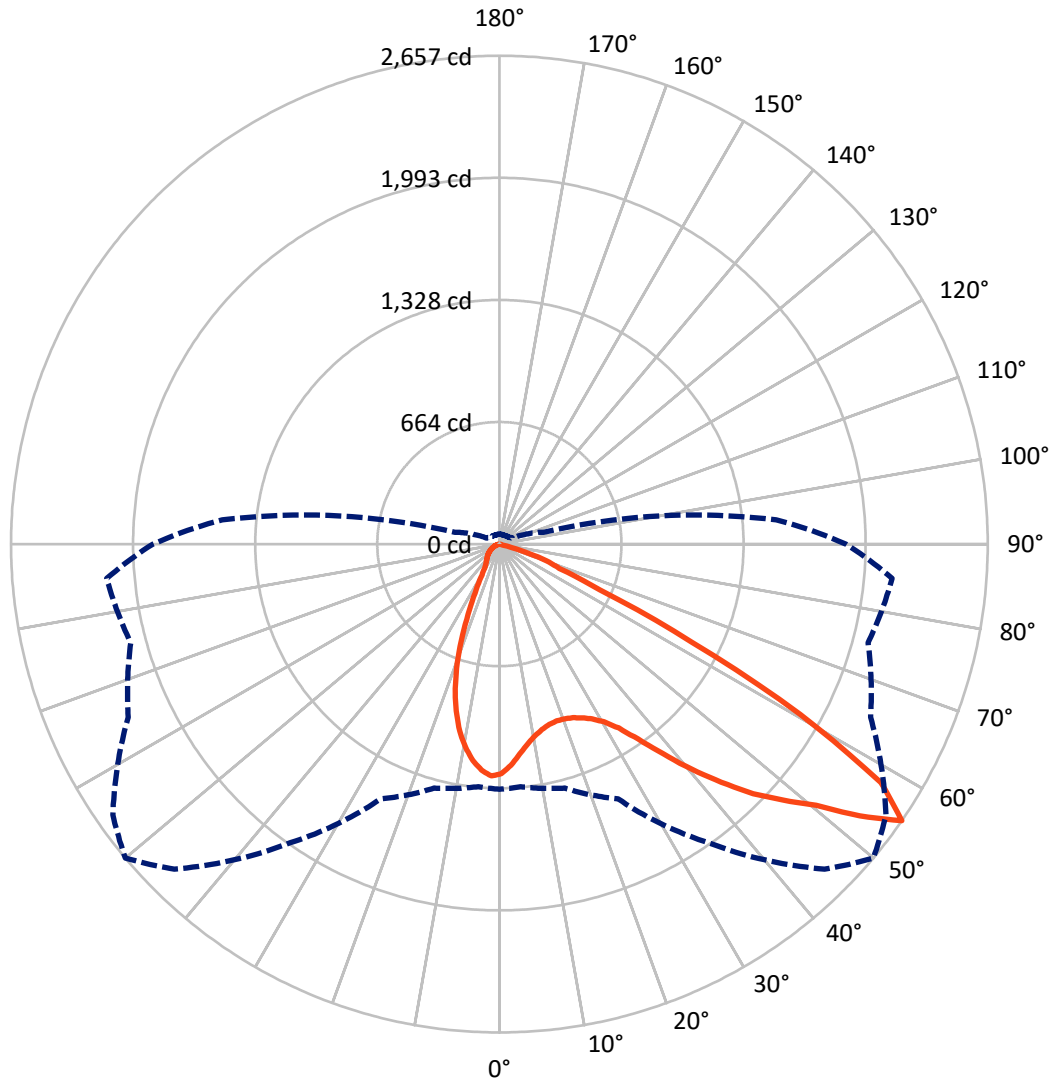
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	701.6	0.0	701.6
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	2859.0	0.0	2859.0
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	3560.6	0.0	3560.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.7	3.1
10°-20°	270.0	7.6
20°-30°	380.8	10.7
30°-40°	563.5	15.8
40°-50°	813.0	22.8
50°-60°	959.0	26.9
60°-70°	427.8	12.0
70°-80°	36.8	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°	3560.6	100.0
0°-180°	3560.6	100.0

**Coefficient of Utilization**



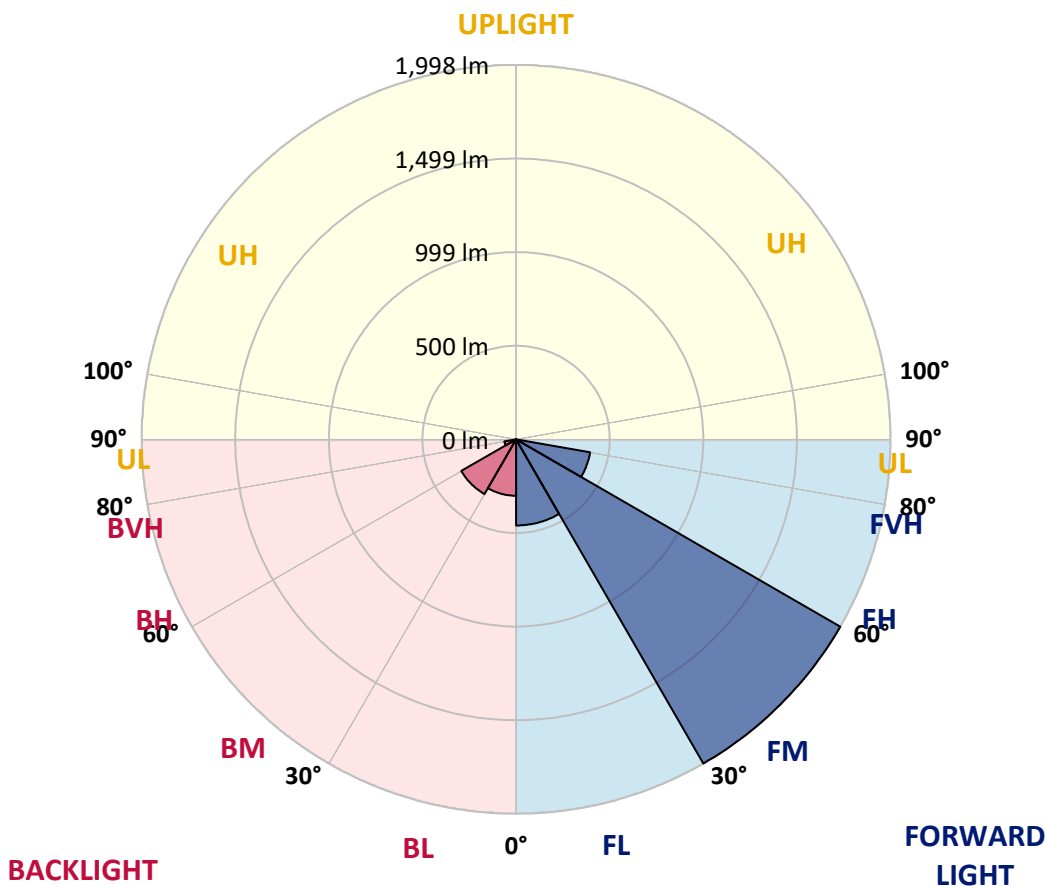
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.7	12.9			
FM (30°-60°)	1998.1	56.1			
FH (60°-80°)	401.2	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	300.8	8.4	B1/500		
BM (30°-60°)	337.4	9.5	B1/1000		
BH (60°-80°)	63.3	1.8	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°	50°	55°	65°	75°	85°
0°	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3
2.5°	1160.6	1161.5	1161.9	1173.6	1178.0	1195.4	1204.5	1209.3	1221.9	1236.7	1248.8
5°	1082.8	1081.5	1083.6	1098.4	1108.0	1133.6	1147.5	1157.1	1184.9	1219.7	1248.8
7.5°	1015.0	1017.6	1020.2	1036.3	1050.6	1078.4	1098.4	1112.8	1151.5	1203.2	1252.3
10°	967.2	967.2	971.1	989.3	1006.3	1040.6	1060.6	1078.9	1124.9	1188.4	1256.2
12.5°	931.9	932.4	937.2	958.0	977.6	1013.2	1034.1	1051.9	1102.8	1173.6	1257.1
15°	915.4	914.1	918.0	940.2	961.9	995.4	1017.1	1034.5	1087.1	1165.4	1261.4
17.5°	911.1	910.2	913.3	935.0	957.2	989.8	1011.1	1028.4	1084.9	1168.0	1274.5
20°	923.7	921.9	920.6	939.3	960.2	992.4	1014.5	1034.1	1095.4	1182.3	1294.5
22.5°	953.7	953.7	950.6	959.8	973.7	1002.8	1025.8	1051.5	1122.8	1211.0	1324.0
25°	1008.9	1004.5	998.9	1002.8	1001.1	1019.3	1046.7	1082.3	1174.5	1258.4	1360.1
27.5°	1071.9	1075.8	1066.3	1066.7	1051.5	1045.0	1076.7	1130.6	1251.4	1325.3	1413.6
30°	1157.5	1154.5	1154.9	1153.6	1118.4	1087.6	1121.9	1193.6	1348.4	1427.5	1483.1
32.5°	1224.5	1228.8	1243.2	1251.4	1205.4	1155.8	1192.3	1279.2	1458.8	1544.0	1568.3
35°	1295.3	1303.2	1332.3	1359.2	1320.5	1263.6	1302.7	1392.7	1562.7	1659.2	1666.1
37.5°	1370.1	1385.7	1420.5	1467.9	1461.8	1411.4	1447.0	1526.1	1644.4	1728.7	1747.0
40°	1455.7	1470.9	1527.9	1596.1	1610.5	1599.2	1610.9	1657.0	1698.3	1731.7	1781.7
42.5°	1549.6	1570.5	1642.6	1733.9	1787.8	1797.8	1770.4	1765.7	1721.7	1697.0	1774.3
45°	1660.5	1684.8	1766.5	1884.8	1970.4	1983.9	1936.5	1875.2	1736.5	1671.3	1752.2
47.5°	1784.8	1807.8	1889.1	2031.2	2158.6	2163.8	2081.2	1982.6	1780.4	1700.9	1769.1
50°	1826.5	1840.8	1911.3	2078.2	2312.9	2352.9	2233.4	2103.4	1868.7	1787.8	1851.7
52.5°	1683.1	1688.7	1750.0	1918.7	2281.6	2538.5	2455.5	2283.8	2025.6	1920.4	1979.1
55°	1333.6	1324.5	1374.0	1528.8	1983.0	2500.7	2656.7	2567.2	2227.7	2076.0	2144.7
57.5°	932.8	921.9	910.6	1015.4	1479.6	2119.9	2448.1	2606.7	2420.3	2230.3	2323.3
60°	766.8	756.3	701.6	653.3	894.6	1522.2	1880.4	2179.0	2404.6	2222.5	2317.7
62.5°	662.4	656.4	634.2	568.6	526.4	868.9	1177.5	1463.6	1845.2	1745.2	1750.4
65°	520.3	518.6	533.8	540.7	465.5	480.8	600.7	760.7	997.6	940.6	892.0
67.5°	355.6	351.7	380.3	467.7	447.7	379.5	351.7	354.7	431.6	263.8	209.5
70°	226.0	216.9	217.3	289.9	364.3	299.5	271.2	238.6	214.7	39.1	44.3
72.5°	144.7	139.1	119.5	130.8	168.7	146.1	147.4	126.9	84.8	20.9	24.3
75°	60.9	56.1	43.0	34.3	33.9	21.3	18.7	17.4	11.7	11.7	12.6
77.5°	0.4	0.0	0.0	0.4	0.9	0.4	0.4	0.9	1.7	2.6	3.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3	1249.3
2.5°	1256.2	1245.8	1257.5	1261.9	1261.4	1261.9	1249.3	1240.6	1240.1	1229.3	1224.0
5°	1261.0	1252.7	1261.4	1255.8	1242.3	1225.3	1202.7	1183.2	1174.5	1161.9	1155.8
7.5°	1270.1	1261.4	1260.1	1237.5	1204.1	1168.4	1128.4	1092.8	1073.6	1050.6	1051.9
10°	1276.6	1266.6	1249.7	1203.6	1148.0	1091.0	1031.5	978.5	945.0	914.1	908.9
12.5°	1279.2	1264.5	1224.9	1155.4	1077.1	1002.8	915.4	839.8	787.6	747.2	741.6
15°	1284.0	1260.1	1193.2	1097.1	989.8	884.6	773.3	669.8	600.7	554.2	558.1
17.5°	1291.4	1255.3	1157.5	1031.9	895.9	747.2	596.8	478.1	414.7	387.7	388.2
20°	1301.9	1249.7	1118.4	960.2	783.3	592.0	417.3	327.7	309.9	309.1	307.8
22.5°	1315.8	1244.0	1076.7	881.5	649.8	414.7	277.8	249.9	257.3	271.7	274.3
25°	1332.3	1237.1	1030.2	792.8	504.2	272.1	208.2	203.9	221.7	240.8	245.2
27.5°	1357.9	1233.6	977.1	692.0	353.8	195.2	170.4	173.0	189.1	205.2	209.1
30°	1401.4	1240.1	919.3	579.0	227.3	155.6	147.8	151.7	160.4	168.7	172.1
32.5°	1460.5	1259.3	863.3	455.5	162.1	135.2	133.4	135.6	139.1	143.9	145.2
35°	1529.6	1292.3	805.5	326.0	133.9	123.4	121.7	121.7	123.4	124.3	124.8
37.5°	1586.6	1327.1	751.1	216.9	120.0	114.3	111.7	110.4	110.0	110.8	111.3
40°	1611.3	1341.4	692.0	157.8	110.0	106.1	102.1	98.2	98.2	101.3	101.7
42.5°	1594.0	1325.3	623.8	130.4	103.0	97.4	91.3	87.8	89.5	92.6	93.5
45°	1557.0	1285.8	548.6	115.2	96.1	88.7	81.7	79.5	81.3	85.2	86.1
47.5°	1550.9	1259.7	458.6	105.2	88.7	81.3	73.9	71.7	73.9	76.9	77.8
50°	1611.3	1282.3	358.6	96.5	81.7	73.5	67.4	65.2	66.5	68.2	69.1
52.5°	1721.7	1366.2	289.5	88.2	73.5	65.6	61.7	59.1	59.1	60.9	61.3
55°	1884.8	1512.7	249.9	78.7	63.9	59.6	56.1	53.5	53.5	54.3	54.8
57.5°	2072.5	1690.0	259.1	66.1	56.1	53.9	50.9	48.7	49.6	49.6	49.6
60°	2046.5	1677.0	277.3	55.6	49.6	48.7	46.1	45.2	47.4	45.6	44.8
62.5°	1507.5	1158.4	145.2	45.6	42.6	41.7	40.0	41.7	44.8	40.0	38.3
65°	732.0	560.7	58.2	37.4	36.1	35.2	34.3	36.9	38.7	31.3	29.6
67.5°	172.1	140.0	37.8	31.7	30.0	28.3	29.1	29.6	28.3	21.3	20.4
70°	44.8	43.9	29.6	26.5	23.9	22.2	22.2	21.7	18.7	13.5	12.6
72.5°	24.3	23.9	21.3	20.0	16.5	14.8	15.2	13.5	10.4	7.8	7.4
75°	12.2	13.0	12.2	11.3	9.1	8.3	8.3	7.4	5.2	3.0	3.0
77.5°	2.6	3.0	3.0	2.6	2.2	1.7	1.7	2.2	0.9	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	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)