

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: P630392

Luminaire Tested: GWS-SA1D-750-U-SL4-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630392  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-750-U-SL4-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

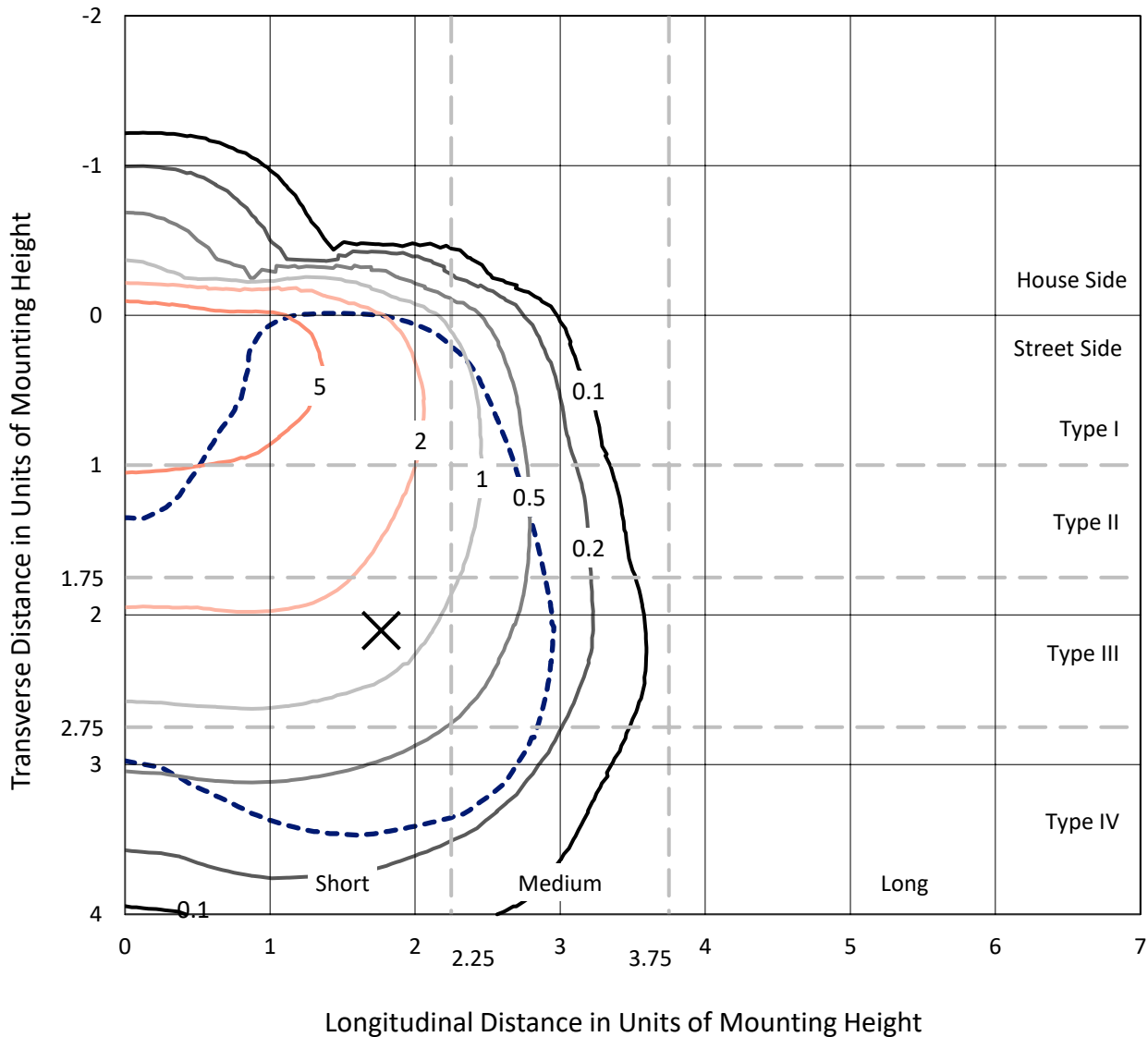
Lumens per Lamp: N/A  
Luminaire Lumens: 4887.2 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

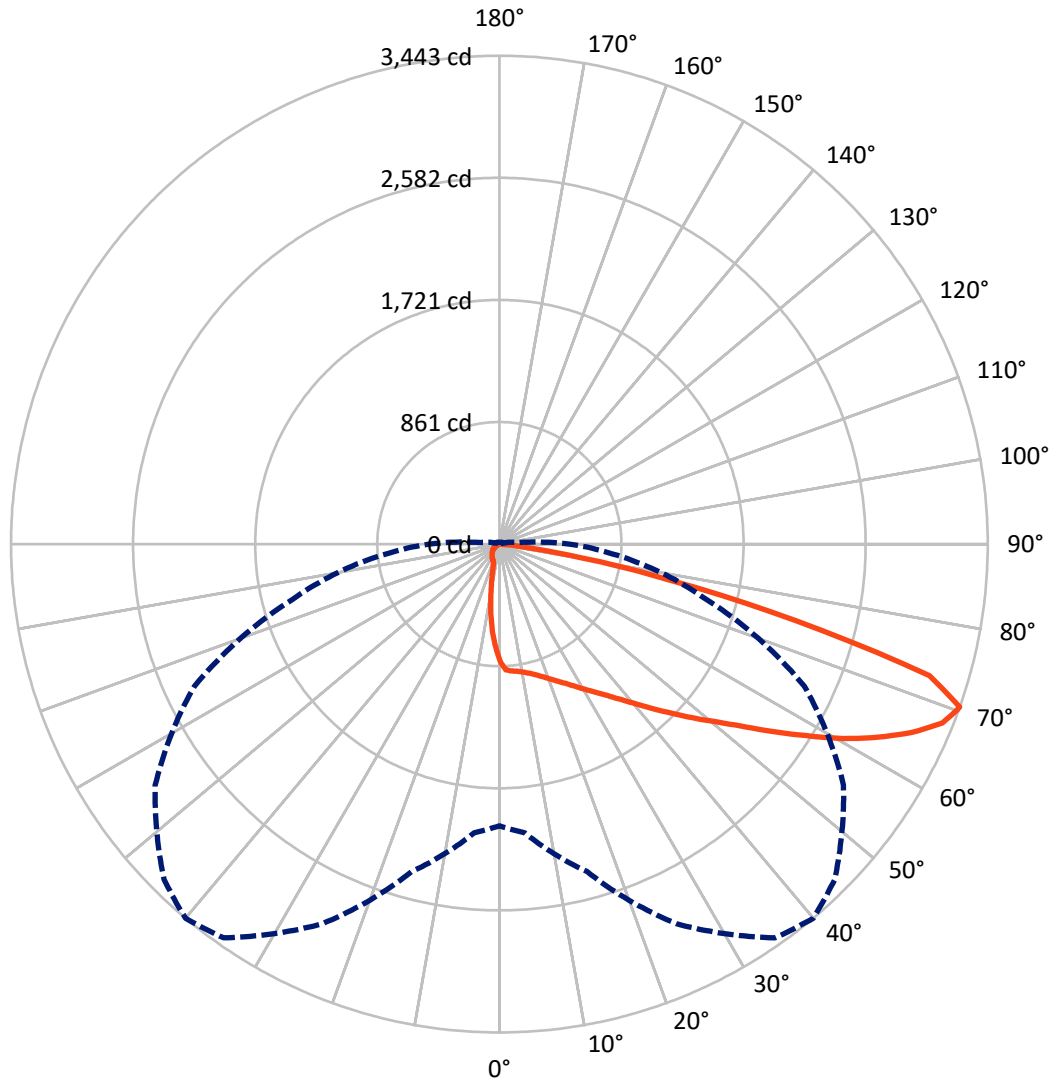
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	399.6	0.0	399.6
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	4487.5	0.0	4487.5
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	4887.2	0.0	4887.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.1	1.4
10°-20°	177.8	3.6
20°-30°	297.5	6.1
30°-40°	467.3	9.6
40°-50°	739.2	15.1
50°-60°	1078.3	22.1
60°-70°	1336.7	27.4
70°-80°	676.3	13.8
80°-90°	44.1	0.9
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°	4887.2	100.0
0°-180°	4887.2	100.0

**Coefficient of Utilization**



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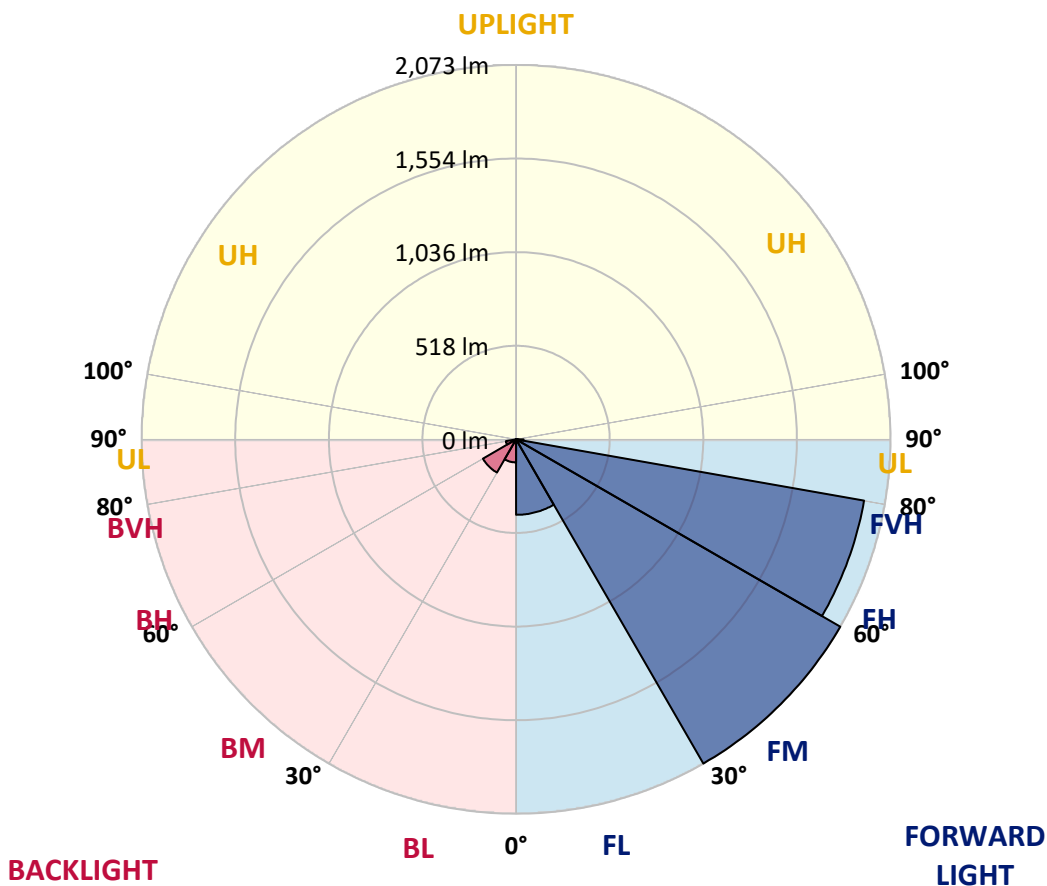
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.8	8.5			
FM (30°-60°)	2072.6	42.4			
FH (60°-80°)	1955.9	40.0			G2/5000
FVH (80°-90°)	41.2	0.8			G1/100
BL (0°-30°)	127.6	2.6	B1/500		
BM (30°-60°)	212.1	4.3	B0/220		
BH (60°-80°)	57.0	1.2	B0/110		G0/110
BVH (80°-90°)	2.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	829.3	829.3	829.3	829.3	829.3	829.3	829.3	829.3	829.3	829.3	829.3
2.5°	891.6	894.7	894.2	895.6	892.4	887.6	886.7	880.0	868.0	852.9	836.0
5°	909.8	913.3	910.7	909.3	903.6	898.2	896.9	889.8	876.0	855.5	826.2
7.5°	925.3	926.2	924.5	921.3	912.9	905.8	900.9	891.1	874.7	854.2	820.4
10°	928.0	927.6	928.5	928.9	923.6	917.3	913.3	900.0	879.1	857.3	820.9
12.5°	924.9	924.9	930.7	937.4	937.4	934.2	930.2	918.2	893.8	868.0	829.7
15°	928.9	930.2	941.4	953.8	957.8	954.7	952.9	940.5	915.1	886.7	845.8
17.5°	943.1	944.5	962.3	980.9	985.8	982.3	978.7	966.3	939.1	908.0	864.0
20°	964.0	967.6	990.3	1014.3	1018.7	1014.3	1007.2	989.8	962.7	931.1	881.3
22.5°	1002.3	1004.5	1029.0	1054.3	1056.5	1049.4	1038.7	1014.7	986.3	955.6	900.9
25°	1053.0	1056.1	1080.5	1105.0	1099.2	1088.5	1073.9	1046.7	1014.3	984.5	925.8
27.5°	1113.4	1117.0	1141.0	1162.4	1147.2	1134.8	1118.3	1084.5	1051.6	1024.5	957.8
30°	1178.8	1181.9	1203.3	1222.4	1202.4	1187.7	1168.1	1133.4	1100.1	1079.6	1003.2
32.5°	1241.9	1241.5	1262.0	1277.5	1257.1	1245.5	1227.7	1192.6	1165.9	1157.0	1070.8
35°	1300.6	1300.6	1317.5	1333.1	1318.4	1312.2	1295.8	1267.7	1252.6	1263.3	1161.0
37.5°	1359.8	1356.7	1372.7	1390.0	1388.7	1389.1	1379.8	1366.5	1367.3	1405.1	1285.1
40°	1408.7	1407.4	1426.0	1448.7	1466.5	1480.7	1475.0	1479.8	1507.9	1578.6	1443.8
42.5°	1447.8	1450.9	1475.0	1511.0	1555.9	1584.8	1588.8	1608.8	1680.8	1790.2	1623.0
45°	1492.7	1493.2	1526.5	1581.7	1653.3	1699.1	1715.1	1766.7	1868.9	2009.9	1819.6
47.5°	1547.9	1542.5	1579.9	1657.3	1760.9	1828.5	1856.9	1921.4	2079.7	2224.2	1979.6
50°	1608.8	1599.0	1641.3	1746.6	1881.4	1965.9	2023.7	2117.9	2288.7	2400.3	2098.8
52.5°	1679.5	1670.2	1718.2	1849.4	2025.9	2128.6	2202.9	2298.0	2467.9	2534.6	2170.0
55°	1769.3	1760.0	1810.7	1972.5	2196.6	2330.0	2407.9	2487.9	2634.6	2633.7	2221.5
57.5°	1868.9	1856.0	1926.3	2128.2	2409.6	2548.4	2627.5	2666.7	2761.4	2710.7	2256.2
60°	1983.2	1971.6	2069.0	2313.6	2655.5	2784.0	2833.8	2817.8	2865.4	2756.0	2244.2
62.5°	2086.4	2081.0	2202.0	2510.1	2889.9	2998.4	3012.2	2942.3	2941.9	2756.9	2163.3
65°	2193.5	2203.8	2383.4	2736.5	3125.5	3198.5	3174.9	3066.0	2972.6	2648.0	1924.1
67.5°	2233.5	2263.3	2503.0	2941.0	3311.4	3368.3	3327.0	3127.8	2845.0	2281.6	1465.2
70°	1986.3	2042.3	2390.1	2952.6	3388.3	3442.6	3343.4	2961.5	2371.8	1511.4	802.6
72.5°	1510.5	1575.9	1991.7	2417.6	3047.3	3170.9	3001.5	2412.7	1528.8	662.1	269.5
75°	845.3	916.0	1483.4	1820.5	2045.9	2158.8	2096.6	1547.9	677.2	173.0	80.5
77.5°	285.9	309.5	690.1	1126.3	1350.4	1249.1	1057.4	768.8	249.0	65.8	42.7
80°	169.4	178.3	257.0	560.7	710.6	589.2	465.1	284.1	126.7	35.1	29.8
82.5°	50.7	60.0	141.8	208.1	278.4	173.4	146.7	162.3	65.8	19.1	24.9
85°	0.0	0.0	30.2	64.5	72.9	28.5	28.5	92.0	12.0	8.0	18.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.2	1.3	1.8	4.0
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°	829.3	829.3	829.3	829.3	829.3	829.3	829.3	829.3	829.3	829.3	829.3
2.5°	824.0	808.4	790.2	772.8	756.4	735.0	724.8	712.4	701.7	695.9	699.0
5°	807.5	783.1	745.7	707.9	669.7	633.6	601.2	579.4	559.8	549.6	551.8
7.5°	793.3	760.4	702.1	640.3	579.0	517.1	466.9	427.8	397.5	385.1	382.9
10°	787.1	745.7	663.4	574.5	480.2	397.1	325.9	282.8	252.1	237.0	239.7
12.5°	790.2	738.1	630.5	510.0	387.7	290.8	222.8	182.3	160.5	151.6	149.4
15°	799.1	736.4	601.2	444.2	299.3	203.2	153.9	137.4	133.0	132.1	132.1
17.5°	809.3	736.8	570.9	377.5	227.2	150.7	131.6	128.5	127.2	126.3	126.7
20°	819.5	736.8	536.3	309.9	170.8	130.3	125.4	123.2	121.8	121.4	121.4
22.5°	832.0	736.8	497.6	247.2	137.0	123.6	119.6	118.3	116.9	116.5	116.1
25°	847.1	737.3	454.9	193.4	124.5	117.8	114.7	113.4	112.1	111.2	111.2
27.5°	868.9	740.8	407.8	150.7	117.4	112.5	109.8	108.5	107.2	105.8	105.8
30°	900.4	749.7	354.8	124.5	110.7	106.7	104.1	103.2	101.8	100.5	100.0
32.5°	947.6	765.3	300.1	111.6	104.5	100.5	97.4	96.5	95.2	93.8	93.4
35°	1013.4	793.7	246.8	103.6	96.5	92.5	90.7	90.3	88.5	87.2	87.2
37.5°	1109.9	840.0	195.7	95.6	89.8	86.7	84.5	83.6	81.8	80.5	80.0
40°	1227.7	900.0	152.1	89.4	83.6	80.5	78.3	76.9	74.7	72.9	72.0
42.5°	1378.0	973.4	120.1	82.7	77.8	74.7	72.9	70.3	67.1	64.5	64.0
45°	1534.5	1049.0	99.2	76.5	72.5	69.8	67.6	64.0	59.6	56.5	55.6
47.5°	1654.6	1096.1	86.7	69.8	66.7	64.5	61.8	57.4	52.0	48.5	47.6
50°	1740.4	1103.2	77.4	63.6	61.8	59.6	55.6	50.2	44.5	40.9	40.0
52.5°	1782.7	1071.2	69.8	57.8	56.5	54.2	49.4	43.6	37.4	33.8	32.9
55°	1801.8	1010.7	62.7	52.9	51.1	48.5	43.1	36.9	30.7	27.6	26.7
57.5°	1794.2	921.3	56.5	48.0	45.8	42.7	36.9	30.2	25.3	22.2	21.8
60°	1738.2	795.9	50.2	43.1	40.5	36.9	31.1	24.9	20.5	18.2	17.8
62.5°	1617.2	640.3	44.0	37.4	35.6	32.0	26.7	20.5	16.9	15.6	15.1
65°	1369.6	452.7	37.8	31.6	30.7	27.1	22.2	16.9	14.7	13.8	13.3
67.5°	984.5	275.2	32.0	27.1	26.2	23.1	18.7	14.7	13.3	12.9	12.9
70°	494.9	130.3	25.3	22.2	22.2	19.1	16.0	13.3	12.9	12.5	12.5
72.5°	168.1	55.6	19.1	17.3	18.2	16.5	13.8	12.5	12.5	12.5	12.5
75°	57.4	29.3	13.3	12.5	13.3	13.3	12.0	12.0	12.5	12.5	12.5
77.5°	37.4	19.6	9.3	8.4	10.2	10.2	10.2	11.1	12.0	12.0	12.0
80°	30.7	10.7	6.2	5.8	7.6	7.6	8.4	10.2	11.1	11.1	11.1
82.5°	26.2	6.7	3.6	4.0	5.3	5.8	7.1	8.4	9.8	10.2	10.2
85°	17.8	3.6	2.7	3.1	3.6	4.4	5.8	7.1	8.0	8.9	8.9
87.5°	4.9	1.3	1.8	2.2	2.2	3.1	4.4	5.3	6.2	6.7	6.7
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)