

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: P629895

Luminaire Tested: GWS-SA1C-750-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629895  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

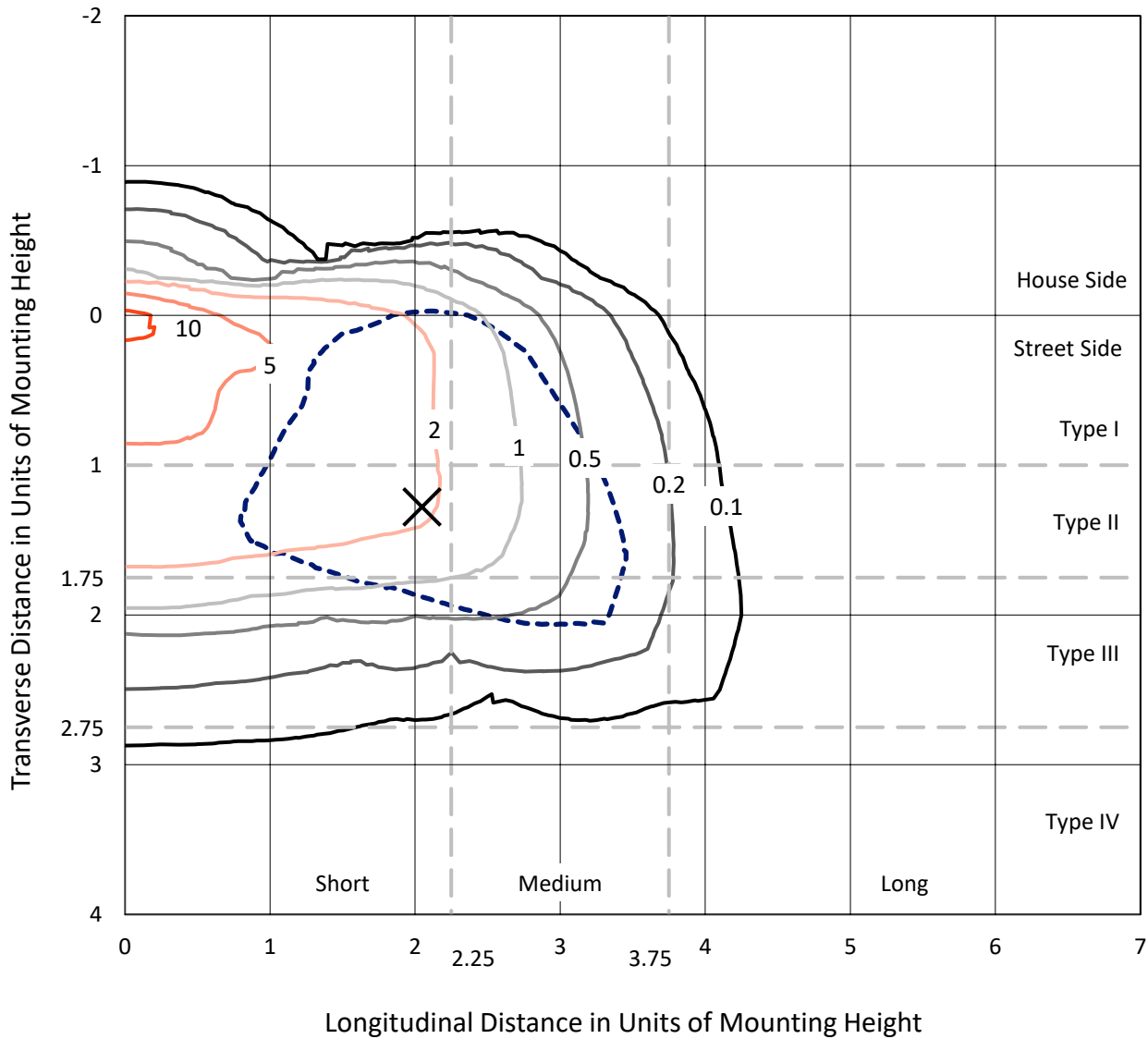
Lumens per Lamp: N/A  
Luminaire Lumens: 3982.1 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

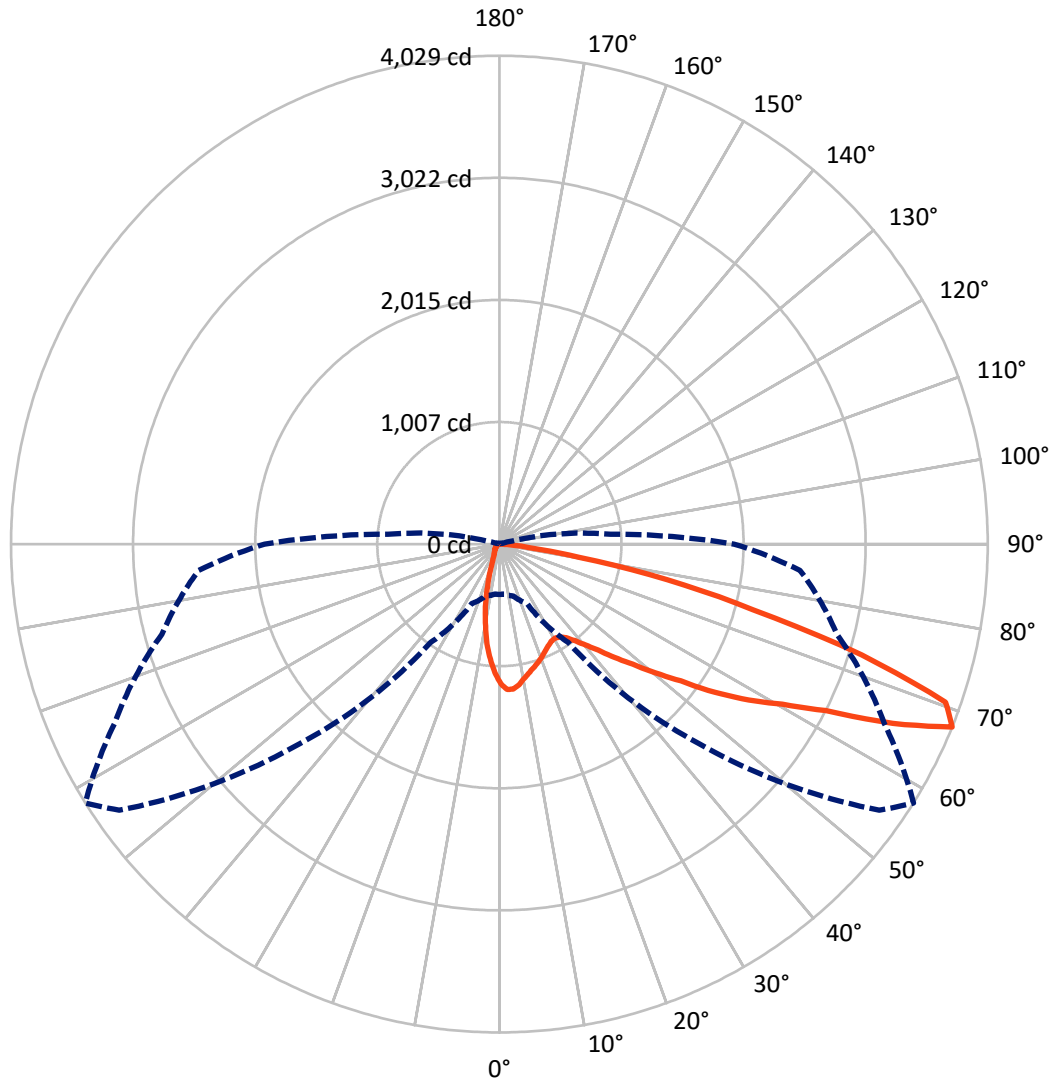
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	389.0	0.0	389.0
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	3593.1	0.0	3593.1
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	3982.1	0.0	3982.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.3	2.3
10°-20°	194.3	4.9
20°-30°	262.0	6.6
30°-40°	368.2	9.2
40°-50°	568.6	14.3
50°-60°	909.3	22.8
60°-70°	1076.7	27.0
70°-80°	476.3	12.0
80°-90°	33.3	0.8
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°	3982.1	100.0
0°-180°	3982.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629895

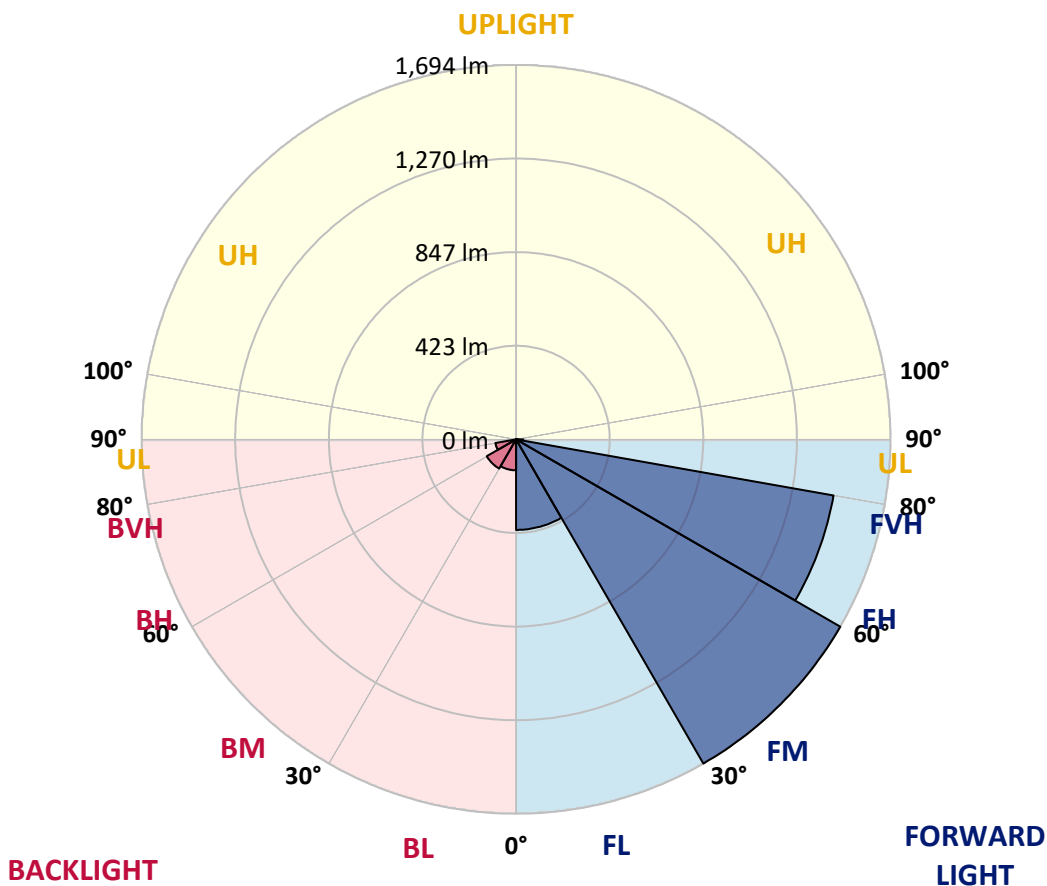
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	409.7	10.3			
FM (30°-60°)	1693.5	42.5			
FH (60°-80°)	1458.0	36.6			G1/1800
FVH (80°-90°)	31.9	0.8			G1/100
BL (0°-30°)	140.0	3.5	B1/500		
BM (30°-60°)	152.6	3.8	B0/220		
BH (60°-80°)	95.0	2.4	B0/110		G0/110
BVH (80°-90°)	1.4	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6
2.5°	1208.2	1210.3	1213.1	1216.6	1215.9	1212.8	1208.9	1200.1	1194.4	1176.8	1155.3
5°	1169.4	1169.1	1176.1	1182.8	1194.8	1201.1	1210.0	1201.8	1199.0	1177.9	1143.0
7.5°	1093.6	1097.5	1105.6	1116.2	1133.5	1152.1	1173.3	1170.8	1179.3	1165.2	1121.8
10°	1019.3	1017.2	1029.8	1045.7	1072.1	1096.1	1126.8	1126.8	1148.6	1147.2	1097.9
12.5°	954.1	953.7	963.6	981.6	1012.6	1046.1	1087.7	1088.7	1116.2	1127.5	1077.4
15°	899.1	899.8	909.3	928.0	960.1	1000.9	1049.2	1058.0	1089.1	1112.0	1057.3
17.5°	860.0	860.3	866.0	882.2	913.5	957.2	1015.4	1027.4	1067.2	1100.3	1041.1
20°	842.0	840.6	841.6	849.7	874.1	913.9	980.9	996.4	1047.1	1092.2	1026.3
22.5°	844.5	842.3	837.4	836.4	847.3	877.6	944.2	963.2	1025.3	1087.3	1012.9
25°	866.3	861.7	854.7	844.1	839.9	855.0	912.1	931.9	1004.8	1087.7	1002.7
27.5°	899.8	894.9	886.1	872.0	855.4	849.0	890.3	909.0	990.4	1095.8	997.8
30°	942.4	938.6	930.1	913.2	891.0	864.9	885.7	901.2	983.3	1112.3	999.9
32.5°	992.8	990.0	983.0	967.5	942.1	902.3	901.2	913.2	989.0	1136.3	1008.0
35°	1041.5	1042.5	1042.9	1034.4	1007.3	959.0	943.9	948.1	1012.2	1172.2	1026.3
37.5°	1094.0	1091.5	1104.2	1110.2	1084.1	1032.7	1009.8	1010.1	1056.6	1225.5	1060.9
40°	1133.8	1134.5	1162.0	1186.7	1175.8	1126.1	1093.3	1092.9	1125.0	1298.4	1116.6
42.5°	1171.2	1175.8	1216.3	1258.6	1273.7	1229.7	1206.1	1197.3	1220.9	1397.1	1200.1
45°	1211.0	1217.7	1274.4	1334.7	1374.5	1348.5	1329.8	1333.3	1336.1	1512.0	1312.5
47.5°	1257.5	1261.8	1331.9	1416.8	1491.2	1484.5	1485.6	1481.3	1479.9	1656.9	1461.2
50°	1313.9	1323.8	1404.5	1506.0	1607.5	1651.9	1666.7	1668.5	1645.6	1814.7	1615.3
52.5°	1433.8	1445.7	1514.8	1603.6	1734.4	1827.8	1888.1	1876.1	1840.8	1967.7	1784.1
55°	1575.1	1584.2	1650.9	1742.9	1889.5	2020.6	2163.7	2158.7	2072.4	2128.8	1923.0
57.5°	1588.5	1598.7	1702.0	1842.9	2088.6	2258.8	2409.3	2425.2	2298.7	2243.0	2047.0
60°	1438.0	1458.8	1599.8	1789.4	2164.7	2579.2	2678.6	2681.8	2464.7	2358.9	2198.6
62.5°	1152.5	1162.4	1304.4	1551.8	2047.4	2766.0	3089.9	3022.9	2677.9	2538.3	2438.6
65°	604.1	644.3	768.0	1041.8	1660.4	2700.8	3584.7	3566.4	3061.4	2795.3	2625.4
67.5°	414.5	414.1	443.4	543.1	990.0	2325.4	3827.6	4029.2	3504.7	2883.4	2490.0
70°	315.4	316.5	342.6	407.4	512.8	1547.9	3561.1	3905.8	3587.2	2618.0	2013.9
72.5°	209.4	211.5	254.8	329.2	409.5	758.8	2767.4	3125.1	3018.4	2102.7	1417.5
75°	125.1	126.9	157.9	239.3	364.1	424.7	1758.4	2160.5	2077.7	1449.3	759.9
77.5°	51.5	52.9	81.1	149.1	266.4	329.9	972.4	1413.7	1244.5	576.3	207.6
80°	21.5	22.2	39.1	104.3	192.1	206.9	450.4	664.4	510.0	124.1	63.4
82.5°	7.8	8.1	14.5	57.4	119.5	155.8	227.3	262.6	143.8	40.5	34.2
85°	0.4	0.4	3.5	19.4	45.5	44.1	130.1	125.8	47.6	16.9	20.4
87.5°	0.0	0.0	0.4	0.4	0.7	1.8	12.3	21.9	10.2	4.2	8.8
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°	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6	1148.6
2.5°	1141.2	1122.5	1102.1	1083.1	1052.8	1034.8	1012.6	1002.7	988.6	985.1	987.2
5°	1118.0	1085.9	1036.9	992.5	935.0	888.9	842.3	822.6	797.2	780.3	773.3
7.5°	1085.2	1043.2	966.8	886.1	807.1	722.9	658.7	616.4	578.0	556.9	552.6
10°	1052.1	997.4	887.8	772.2	649.9	549.1	462.4	398.3	346.1	322.5	304.2
12.5°	1017.9	949.8	807.5	656.6	514.6	377.1	270.0	207.6	170.2	155.4	157.9
15°	986.5	904.0	727.8	541.0	362.3	227.7	149.1	125.8	117.0	114.2	113.8
17.5°	956.5	860.7	648.5	428.6	239.0	139.6	114.2	108.6	106.1	104.7	104.7
20°	929.4	819.1	571.0	322.8	154.4	110.7	103.3	100.4	98.3	97.3	97.3
22.5°	904.0	778.9	495.2	228.4	113.8	99.4	94.8	92.0	89.5	88.1	88.1
25°	881.1	742.6	422.9	157.2	98.0	90.9	86.0	82.8	78.6	76.1	76.1
27.5°	864.6	710.2	353.5	114.5	88.5	81.8	76.1	71.9	67.3	64.5	63.8
30°	854.7	682.7	283.4	94.1	79.7	73.0	66.6	61.3	56.0	53.2	52.9
32.5°	849.0	657.3	219.2	82.1	72.3	64.5	57.4	51.8	46.5	43.4	43.0
35°	851.2	637.6	164.2	74.0	65.2	57.1	49.3	43.7	39.1	36.3	35.6
37.5°	869.5	628.8	123.4	67.7	59.2	50.8	42.6	37.4	33.1	31.0	30.7
40°	905.1	630.5	96.9	62.7	54.3	44.4	36.7	31.7	28.5	26.8	26.4
42.5°	960.4	645.3	80.0	58.5	49.0	38.8	31.7	27.8	24.7	22.9	22.6
45°	1042.9	676.0	69.8	53.6	43.4	33.5	27.5	24.0	21.1	19.0	18.7
47.5°	1162.4	729.2	63.1	49.0	38.4	28.9	23.6	20.1	17.6	15.9	15.5
50°	1289.6	793.0	57.4	44.4	34.2	25.0	20.1	16.6	14.5	12.7	12.3
52.5°	1425.3	861.7	53.2	40.2	30.3	21.5	16.9	13.7	11.6	9.9	9.5
55°	1555.7	930.8	48.3	37.4	25.7	18.3	14.1	11.3	9.2	7.8	7.8
57.5°	1682.6	994.3	43.0	32.8	21.1	15.5	11.6	9.2	7.4	6.3	6.0
60°	1834.1	1082.0	37.0	27.8	17.6	13.0	9.5	7.4	6.0	4.9	4.9
62.5°	2059.3	1173.3	31.7	23.3	14.8	10.9	7.8	6.0	4.9	4.2	3.9
65°	2133.0	1124.0	26.8	19.0	12.0	8.8	6.3	5.3	4.2	3.9	3.5
67.5°	1936.3	921.3	22.2	15.5	9.9	7.4	5.6	4.6	3.9	3.5	3.2
70°	1510.9	653.8	17.3	11.6	8.1	6.0	4.9	4.2	3.5	3.2	3.2
72.5°	1027.7	386.6	13.7	8.8	6.7	5.3	4.2	3.9	3.5	3.2	2.8
75°	506.1	137.5	10.6	6.7	5.3	4.6	3.9	3.5	3.2	2.8	2.8
77.5°	136.4	38.1	8.1	5.3	4.2	3.5	3.5	3.5	3.2	2.5	2.5
80°	46.2	15.9	6.0	3.9	3.5	2.8	2.5	3.2	2.8	2.5	2.1
82.5°	25.4	7.8	4.2	3.2	2.5	2.1	2.1	2.1	2.1	1.8	1.8
85°	16.2	4.2	2.8	2.5	2.5	1.8	1.4	1.4	1.1	1.1	1.1
87.5°	7.4	2.5	2.5	2.1	2.1	1.8	1.1	0.7	0.4	0.4	0.4
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)