

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: P629787

Luminaire Tested: GWS-SA1C-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629787
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3839.6 lumens
Efficiency: N/A
Efficacy: 112.6 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

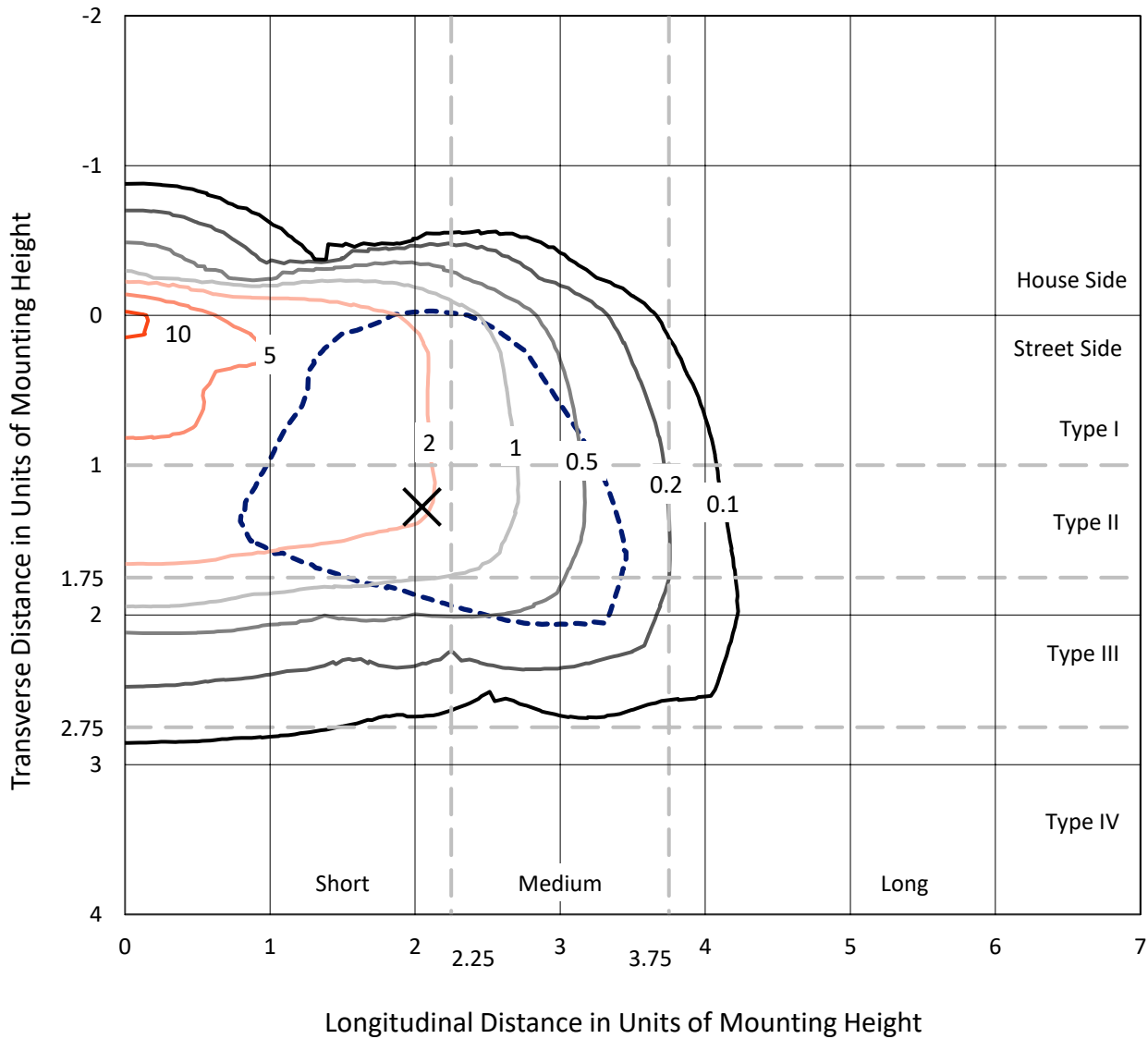
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629787
 CATALOG NUMBER: GWS-SA1C-735-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

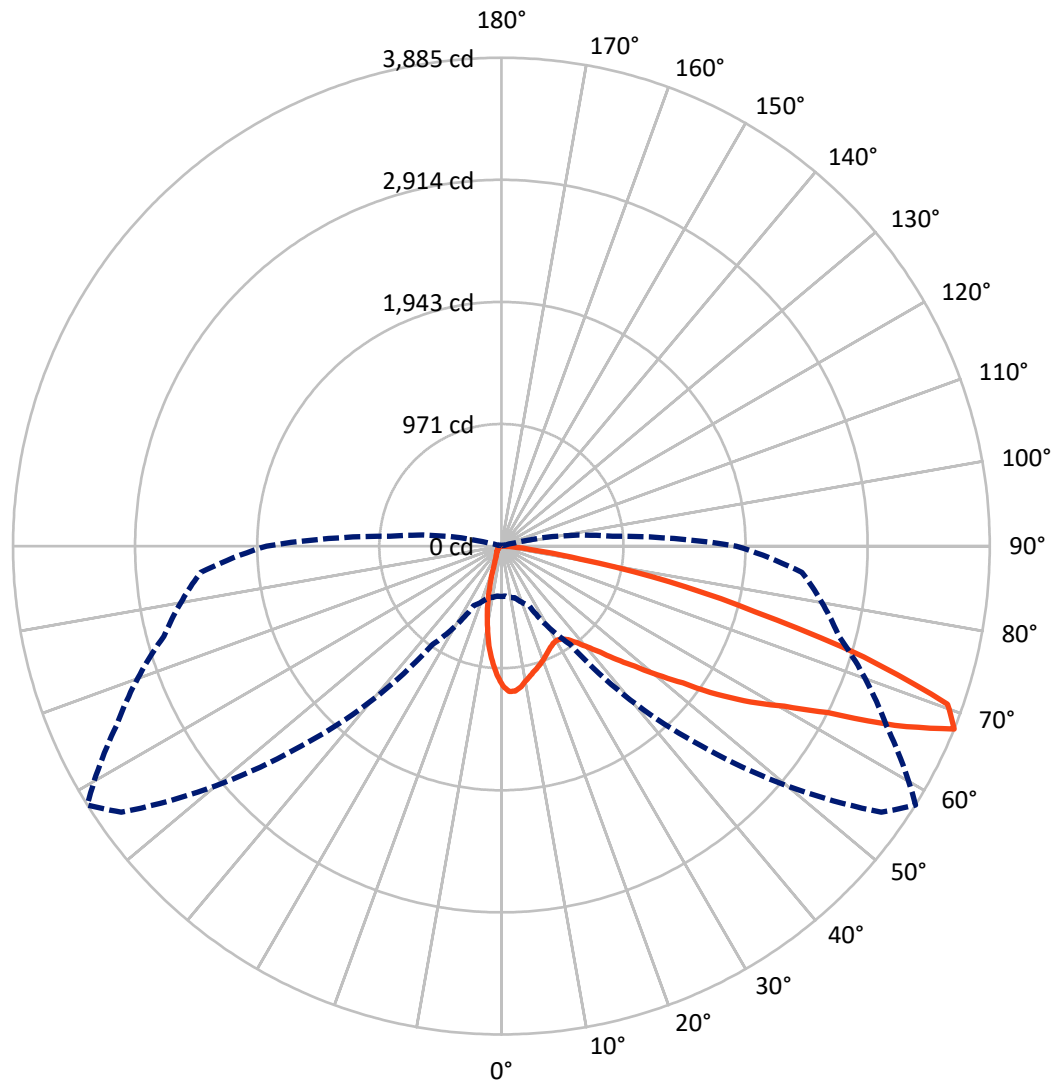
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Short - N/A

REPORT NUMBER: P629787
CATALOG NUMBER: GWS-SA1C-735-U-SL3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629787
 CATALOG NUMBER: GWS-SA1C-735-U-SL3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	375.1	0.0	375.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	3464.5	0.0	3464.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	3839.6	0.0	3839.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	2.3
10°-20°	187.3	4.9
20°-30°	252.6	6.6
30°-40°	355.0	9.2
40°-50°	548.3	14.3
50°-60°	876.8	22.8
60°-70°	1038.2	27.0
70°-80°	459.3	12.0
80°-90°	32.1	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°	3839.6	100.0
0°-180°	3839.6	100.0

Coefficient of Utilization



REPORT NUMBER: P629787

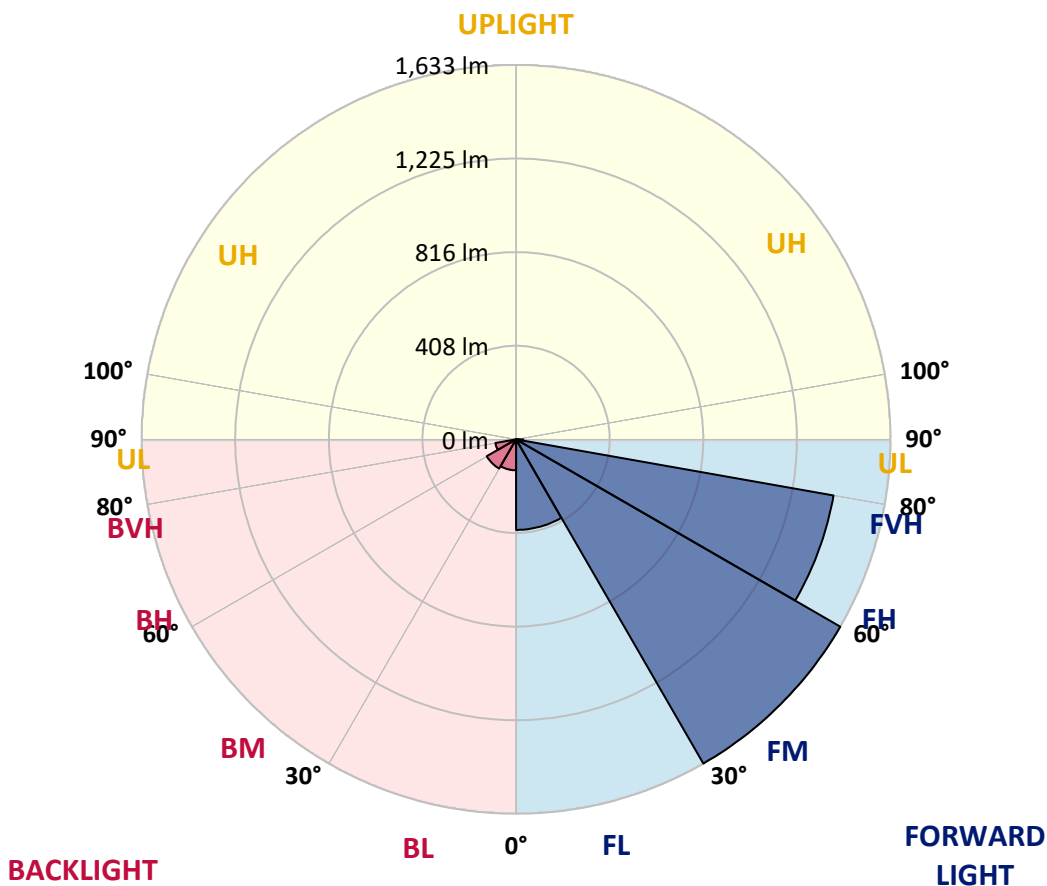
CATALOG NUMBER: GWS-SA1C-735-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.0	10.3			
FM (30°-60°)	1632.9	42.5			
FH (60°-80°)	1405.9	36.6			G1/1800
FVH (80°-90°)	30.7	0.8			G1/100
BL (0°-30°)	135.0	3.5	B1/500		
BM (30°-60°)	147.2	3.8	B0/220		
BH (60°-80°)	91.6	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





REPORT NUMBER: P629787

CATALOG NUMBER: GWS-SA1C-735-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5
2.5°	1165.0	1167.0	1169.7	1173.1	1172.4	1169.4	1165.6	1157.1	1151.7	1134.7	1114.0
5°	1127.6	1127.2	1134.0	1140.5	1152.0	1158.2	1166.7	1158.8	1156.1	1135.7	1102.1
7.5°	1054.5	1058.2	1066.1	1076.3	1092.9	1110.9	1131.3	1128.9	1137.1	1123.5	1081.7
10°	982.8	980.8	993.0	1008.3	1033.8	1056.9	1086.5	1086.1	1107.5	1106.2	1058.6
12.5°	919.9	919.6	929.1	946.4	976.3	1008.6	1048.7	1049.7	1076.3	1087.1	1038.9
15°	866.9	867.6	876.8	894.8	925.7	965.1	1011.7	1020.2	1050.1	1072.2	1019.5
17.5°	829.2	829.5	835.0	850.6	880.9	923.0	979.1	990.6	1029.0	1061.0	1003.9
20°	811.9	810.5	811.5	819.3	842.8	881.2	945.8	960.7	1009.6	1053.1	989.6
22.5°	814.2	812.2	807.4	806.4	817.0	846.2	910.4	928.8	988.6	1048.4	976.7
25°	835.3	830.9	824.1	813.9	809.8	824.4	879.5	898.5	968.9	1048.7	966.8
27.5°	867.6	862.8	854.3	840.8	824.8	818.7	858.4	876.4	954.9	1056.5	962.1
30°	908.7	905.0	896.8	880.5	859.1	834.0	854.0	869.0	948.1	1072.5	964.1
32.5°	957.3	954.6	947.8	932.8	908.4	870.0	869.0	880.5	953.6	1095.6	971.9
35°	1004.2	1005.2	1005.6	997.4	971.2	924.7	910.1	914.2	976.0	1130.3	989.6
37.5°	1054.8	1052.5	1064.7	1070.5	1045.3	995.7	973.6	974.0	1018.8	1181.6	1022.9
40°	1093.2	1093.9	1120.4	1144.2	1133.7	1085.8	1054.2	1053.8	1084.8	1252.0	1076.6
42.5°	1129.3	1133.7	1172.8	1213.5	1228.2	1185.7	1162.9	1154.4	1177.2	1347.1	1157.1
45°	1167.7	1174.1	1228.8	1287.0	1325.4	1300.2	1282.2	1285.6	1288.3	1457.9	1265.5
47.5°	1212.5	1216.6	1284.2	1366.1	1437.8	1431.4	1432.4	1428.3	1427.0	1597.6	1409.0
50°	1266.9	1276.4	1354.2	1452.1	1550.0	1592.8	1607.1	1608.8	1586.7	1749.8	1557.5
52.5°	1382.4	1394.0	1460.6	1546.2	1672.3	1762.4	1820.5	1808.9	1775.0	1897.3	1720.2
55°	1518.7	1527.6	1591.8	1680.5	1821.9	1948.3	2086.2	2081.5	1998.2	2052.6	1854.1
57.5°	1531.6	1541.5	1641.1	1777.0	2013.9	2178.0	2323.1	2338.4	2216.4	2162.7	1973.8
60°	1386.5	1406.6	1542.5	1725.3	2087.3	2486.9	2582.7	2585.8	2376.5	2274.5	2119.9
62.5°	1111.3	1120.8	1257.7	1496.3	1974.1	2667.0	2979.3	2914.8	2582.1	2447.5	2351.3
65°	582.5	621.2	740.5	1004.6	1601.0	2604.2	3456.5	3438.8	2951.8	2695.2	2531.4
67.5°	399.6	399.3	427.5	523.7	954.6	2242.2	3690.6	3885.0	3379.3	2780.2	2400.9
70°	304.2	305.2	330.3	392.8	494.5	1492.6	3433.7	3766.0	3458.8	2524.3	1941.8
72.5°	201.9	203.9	245.7	317.4	394.9	731.7	2668.4	3013.3	2910.3	2027.5	1366.8
75°	120.6	122.3	152.2	230.7	351.0	409.5	1695.4	2083.2	2003.3	1397.4	732.7
77.5°	49.6	51.0	78.2	143.8	256.9	318.1	937.6	1363.1	1200.0	555.6	200.2
80°	20.7	21.4	37.7	100.6	185.2	199.5	434.3	640.6	491.7	119.6	61.2
82.5°	7.5	7.8	13.9	55.4	115.2	150.2	219.2	253.2	138.7	39.1	33.0
85°	0.3	0.3	3.4	18.7	43.8	42.5	125.4	121.3	45.9	16.3	19.7
87.5°	0.0	0.0	0.3	0.3	0.7	1.7	11.9	21.1	9.9	4.1	8.5
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: P629787

CATALOG NUMBER: GWS-SA1C-735-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5	1107.5
2.5°	1100.4	1082.4	1062.7	1044.3	1015.1	997.8	976.3	966.8	953.2	949.8	951.9
5°	1078.0	1047.0	999.8	957.0	901.6	857.1	812.2	793.2	768.7	752.4	745.6
7.5°	1046.4	1005.9	932.2	854.3	778.2	697.0	635.2	594.4	557.3	536.9	532.9
10°	1014.4	961.7	856.0	744.6	626.7	529.5	445.9	384.0	333.7	310.9	293.3
12.5°	981.4	915.9	778.6	633.1	496.2	363.6	260.3	200.2	164.1	149.9	152.2
15°	951.2	871.7	701.8	521.6	349.3	219.5	143.8	121.3	112.8	110.1	109.8
17.5°	922.3	829.9	625.3	413.2	230.4	134.6	110.1	104.7	102.3	100.9	100.9
20°	896.1	789.8	550.5	311.3	148.8	106.7	99.6	96.9	94.8	93.8	93.8
22.5°	871.7	751.0	477.5	220.2	109.8	95.8	91.4	88.7	86.3	85.0	85.0
25°	849.6	716.0	407.8	151.6	94.5	87.7	82.9	79.9	75.8	73.4	73.4
27.5°	833.6	684.8	340.9	110.4	85.3	78.8	73.4	69.3	64.9	62.2	61.5
30°	824.1	658.3	273.2	90.7	76.8	70.3	64.2	59.1	54.0	51.3	51.0
32.5°	818.7	633.8	211.4	79.2	69.7	62.2	55.4	50.0	44.9	41.8	41.5
35°	820.7	614.8	158.4	71.4	62.9	55.1	47.6	42.1	37.7	35.0	34.3
37.5°	838.4	606.3	118.9	65.2	57.1	48.9	41.1	36.0	31.9	29.9	29.6
40°	872.7	608.0	93.5	60.5	52.3	42.8	35.3	30.6	27.5	25.8	25.5
42.5°	926.0	622.2	77.1	56.4	47.2	37.4	30.6	26.8	23.8	22.1	21.7
45°	1005.6	651.8	67.3	51.7	41.8	32.3	26.5	23.1	20.4	18.4	18.0
47.5°	1120.8	703.1	60.8	47.2	37.0	27.9	22.8	19.4	17.0	15.3	15.0
50°	1243.5	764.6	55.4	42.8	33.0	24.1	19.4	16.0	13.9	12.2	11.9
52.5°	1374.3	830.9	51.3	38.7	29.2	20.7	16.3	13.3	11.2	9.5	9.2
55°	1500.0	897.5	46.6	36.0	24.8	17.7	13.6	10.9	8.8	7.5	7.5
57.5°	1622.4	958.7	41.5	31.6	20.4	15.0	11.2	8.8	7.1	6.1	5.8
60°	1768.5	1043.3	35.7	26.8	17.0	12.6	9.2	7.1	5.8	4.8	4.8
62.5°	1985.7	1131.3	30.6	22.4	14.3	10.5	7.5	5.8	4.8	4.1	3.7
65°	2056.7	1083.7	25.8	18.4	11.6	8.5	6.1	5.1	4.1	3.7	3.4
67.5°	1867.1	888.3	21.4	15.0	9.5	7.1	5.4	4.4	3.7	3.4	3.1
70°	1456.9	630.4	16.7	11.2	7.8	5.8	4.8	4.1	3.4	3.1	3.1
72.5°	991.0	372.8	13.3	8.5	6.5	5.1	4.1	3.7	3.4	3.1	2.7
75°	488.0	132.5	10.2	6.5	5.1	4.4	3.7	3.4	3.1	2.7	2.7
77.5°	131.5	36.7	7.8	5.1	4.1	3.4	3.4	3.4	3.1	2.4	2.4
80°	44.5	15.3	5.8	3.7	3.4	2.7	2.4	3.1	2.7	2.4	2.0
82.5°	24.5	7.5	4.1	3.1	2.4	2.0	2.0	2.0	2.0	1.7	1.7
85°	15.6	4.1	2.7	2.4	2.4	1.7	1.4	1.4	1.0	1.0	1.0
87.5°	7.1	2.4	2.4	2.0	2.0	1.7	1.0	0.7	0.3	0.3	0.3
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)