

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: P629842

Luminaire Tested: GWS-SA1C-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629842
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3892.9 lumens
Efficiency: N/A
Efficacy: 114.2 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

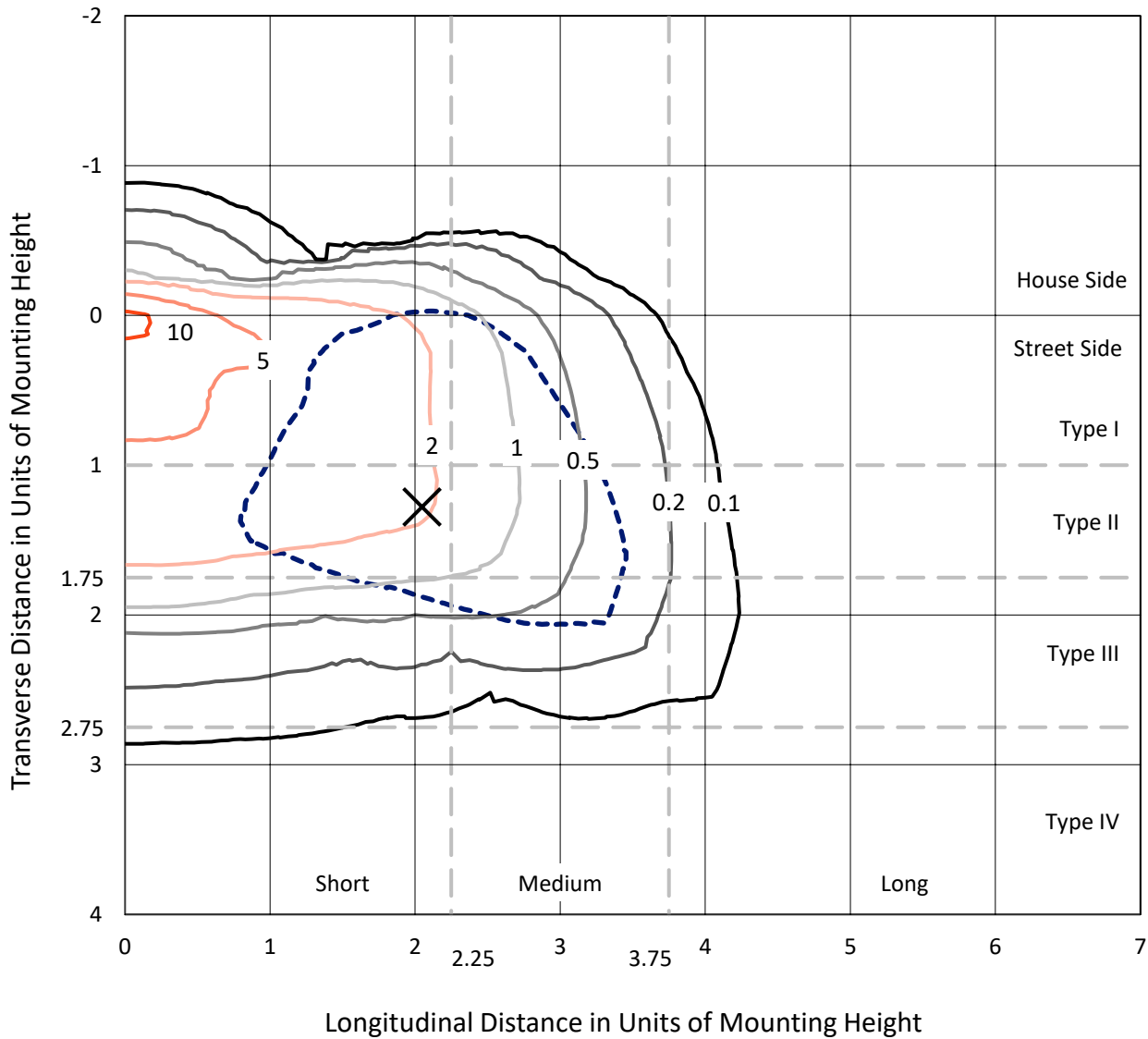
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

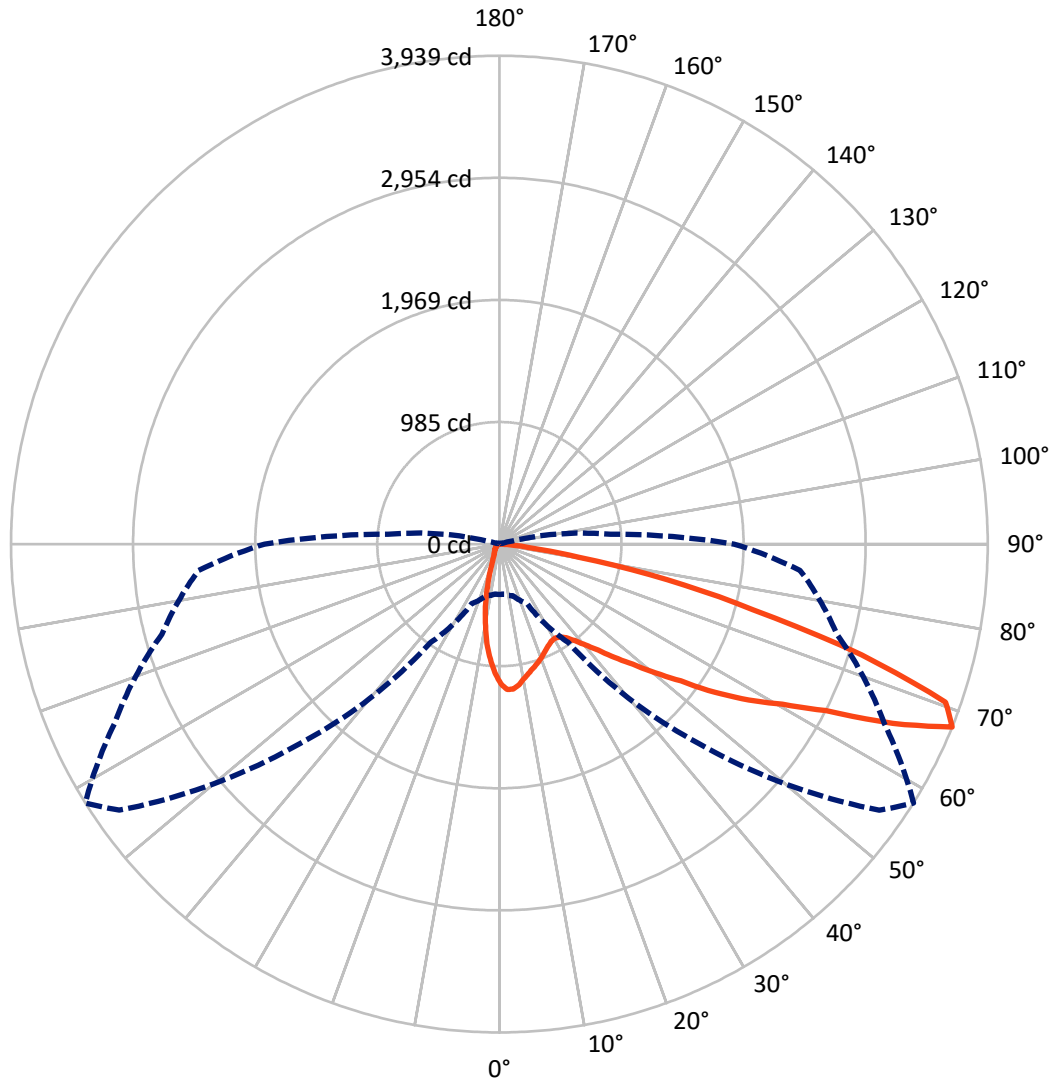
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Short - N/A

REPORT NUMBER: P629842
CATALOG NUMBER: GWS-SA1C-740-U-SL3-W-HSS

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
House Side	Lumens	380.3	0.0	380.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	3512.6	0.0	3512.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	3892.9	0.0	3892.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	2.3
10°-20°	189.9	4.9
20°-30°	256.1	6.6
30°-40°	359.9	9.2
40°-50°	555.9	14.3
50°-60°	889.0	22.8
60°-70°	1052.6	27.0
70°-80°	465.6	12.0
80°-90°	32.5	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°	3892.9	100.0
0°-180°	3892.9	100.0

Coefficient of Utilization



REPORT NUMBER: P629842

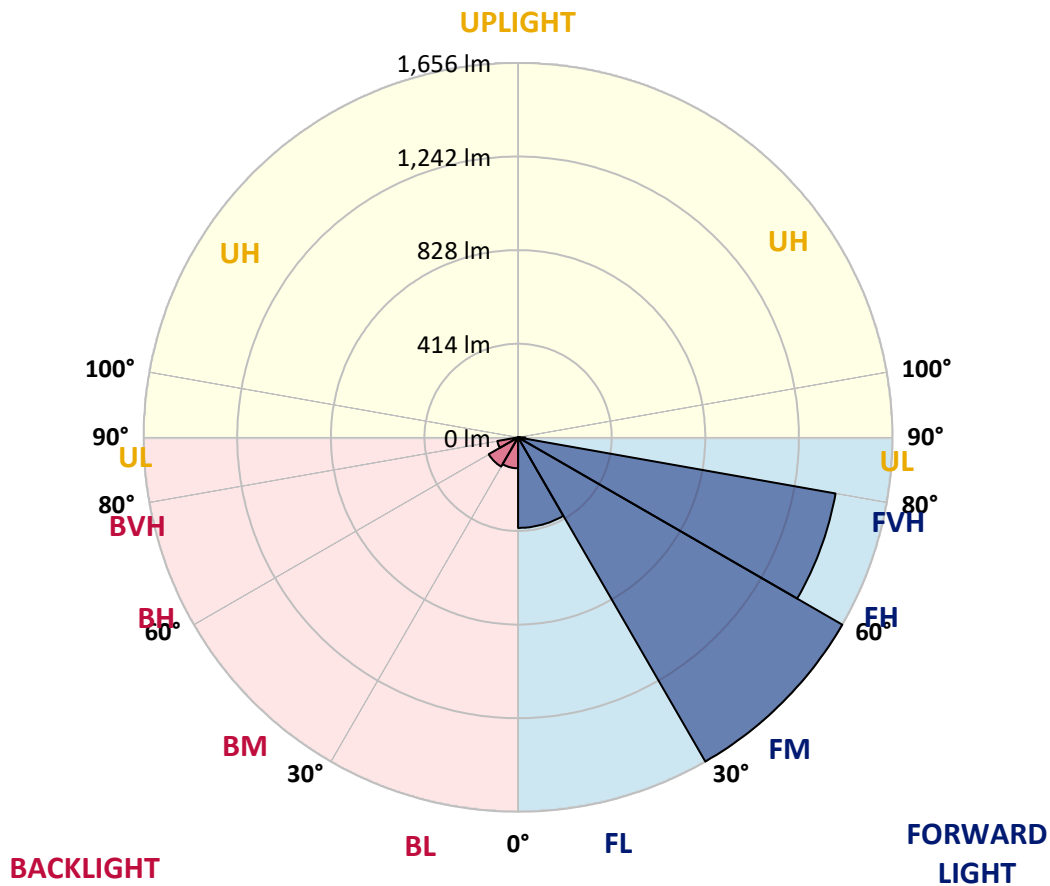
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.5	10.3			
FM (30°-60°)	1655.6	42.5			
FH (60°-80°)	1425.4	36.6			G1/1800
FVH (80°-90°)	31.2	0.8			G1/100
BL (0°-30°)	136.9	3.5	B1/500		
BM (30°-60°)	149.2	3.8	B0/220		
BH (60°-80°)	92.8	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: P629842

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1181.1	1183.2	1185.9	1189.4	1188.7	1185.6	1181.8	1173.2	1167.7	1150.5	1129.4
5°	1143.2	1142.9	1149.8	1156.3	1168.0	1174.2	1182.8	1174.9	1172.2	1151.5	1117.4
7.5°	1069.1	1072.9	1080.9	1091.2	1108.1	1126.3	1147.0	1144.6	1152.9	1139.1	1096.7
10°	996.4	994.4	1006.8	1022.3	1048.1	1071.6	1101.5	1101.2	1122.9	1121.5	1073.3
12.5°	932.7	932.4	942.0	959.6	989.9	1022.6	1063.3	1064.3	1091.2	1102.2	1053.3
15°	879.0	879.6	888.9	907.2	938.6	978.5	1025.7	1034.3	1064.7	1087.1	1033.7
17.5°	840.7	841.1	846.6	862.4	893.1	935.8	992.7	1004.4	1043.3	1075.7	1017.8
20°	823.1	821.8	822.8	830.7	854.5	893.4	958.9	974.0	1023.7	1067.8	1003.3
22.5°	825.5	823.5	818.7	817.6	828.3	857.9	923.1	941.7	1002.3	1062.9	990.2
25°	846.9	842.4	835.5	825.2	821.1	835.9	891.7	911.0	982.3	1063.3	980.3
27.5°	879.6	874.8	866.2	852.4	836.2	830.0	870.3	888.6	968.2	1071.2	975.4
30°	921.3	917.5	909.3	892.7	871.0	845.5	865.9	881.0	961.3	1087.4	977.5
32.5°	970.6	967.8	961.0	945.8	921.0	882.1	881.0	892.7	966.8	1110.8	985.4
35°	1018.2	1019.2	1019.5	1011.3	984.7	937.5	922.7	926.8	989.6	1146.0	1003.3
37.5°	1069.5	1067.1	1079.5	1085.3	1059.8	1009.5	987.1	987.5	1033.0	1198.0	1037.1
40°	1108.4	1109.1	1136.0	1160.1	1149.4	1100.8	1068.8	1068.5	1099.8	1269.3	1091.5
42.5°	1144.9	1149.4	1189.0	1230.4	1245.2	1202.1	1179.1	1170.4	1193.5	1365.8	1173.2
45°	1183.9	1190.4	1245.9	1304.8	1343.8	1318.3	1300.0	1303.4	1306.2	1478.1	1283.1
47.5°	1229.4	1233.5	1302.1	1385.1	1457.8	1451.3	1452.3	1448.2	1446.8	1619.7	1428.5
50°	1284.5	1294.1	1373.0	1472.3	1571.5	1614.9	1629.4	1631.1	1608.7	1774.1	1579.1
52.5°	1401.6	1413.4	1480.9	1567.7	1695.5	1786.8	1845.8	1834.1	1799.6	1923.6	1744.1
55°	1539.8	1548.8	1613.9	1703.8	1847.1	1975.3	2115.2	2110.4	2026.0	2081.1	1879.9
57.5°	1552.9	1562.9	1663.8	1801.7	2041.8	2208.2	2355.4	2370.9	2247.2	2192.7	2001.2
60°	1405.8	1426.1	1563.9	1749.3	2116.2	2521.4	2618.6	2621.7	2409.5	2306.1	2149.3
62.5°	1126.7	1136.3	1275.2	1517.1	2001.5	2704.0	3020.7	2955.2	2617.9	2481.5	2384.0
65°	590.6	629.8	750.8	1018.5	1623.2	2640.3	3504.4	3486.5	2992.8	2732.6	2566.6
67.5°	405.2	404.8	433.4	531.0	967.8	2273.4	3741.8	3938.9	3426.2	2818.8	2434.3
70°	308.4	309.4	334.9	398.3	501.3	1513.3	3481.4	3818.3	3506.9	2559.3	1968.8
72.5°	204.7	206.7	249.1	321.8	400.4	741.8	2705.4	3055.1	2950.7	2055.6	1385.8
75°	122.3	124.0	154.4	234.0	355.9	415.2	1719.0	2112.1	2031.1	1416.8	742.9
77.5°	50.3	51.7	79.2	145.7	260.5	322.5	950.6	1382.0	1216.6	563.3	202.9
80°	21.0	21.7	38.2	102.0	187.8	202.3	440.3	649.5	498.6	121.3	62.0
82.5°	7.6	7.9	14.1	56.2	116.8	152.3	222.2	256.7	140.6	39.6	33.4
85°	0.3	0.3	3.4	19.0	44.4	43.1	127.1	123.0	46.5	16.5	20.0
87.5°	0.0	0.0	0.3	0.3	0.7	1.7	12.1	21.4	10.0	4.1	8.6
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°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1115.7	1097.4	1077.4	1058.8	1029.2	1011.6	989.9	980.3	966.5	963.0	965.1
5°	1092.9	1061.6	1013.7	970.3	914.1	869.0	823.5	804.2	779.4	762.8	755.9
7.5°	1060.9	1019.9	945.1	866.2	789.0	706.7	644.0	602.6	565.1	544.4	540.3
10°	1028.5	975.1	867.9	754.9	635.4	536.8	452.1	389.3	338.4	315.3	297.3
12.5°	995.1	928.6	789.4	641.9	503.0	368.7	263.9	202.9	166.4	151.9	154.4
15°	964.4	883.8	711.5	528.9	354.2	222.6	145.7	123.0	114.4	111.6	111.3
17.5°	935.1	841.4	634.0	419.0	233.6	136.4	111.6	106.1	103.7	102.3	102.3
20°	908.6	800.7	558.2	315.6	150.9	108.2	101.0	98.2	96.1	95.1	95.1
22.5°	883.8	761.5	484.1	223.3	111.3	97.2	92.7	89.9	87.5	86.1	86.1
25°	861.4	726.0	413.5	153.7	95.8	88.9	84.1	81.0	76.8	74.4	74.4
27.5°	845.2	694.3	345.6	112.0	86.5	79.9	74.4	70.3	65.8	63.1	62.4
30°	835.5	667.4	277.0	92.0	77.9	71.3	65.1	60.0	54.8	52.0	51.7
32.5°	830.0	642.6	214.3	80.3	70.6	63.1	56.2	50.6	45.5	42.4	42.0
35°	832.1	623.3	160.6	72.4	63.7	55.8	48.2	42.7	38.2	35.5	34.8
37.5°	850.0	614.7	120.6	66.2	57.9	49.6	41.7	36.5	32.4	30.3	30.0
40°	884.8	616.4	94.8	61.3	53.1	43.4	35.8	31.0	27.9	26.2	25.8
42.5°	938.9	630.9	78.2	57.2	47.9	37.9	31.0	27.2	24.1	22.4	22.1
45°	1019.5	660.9	68.2	52.4	42.4	32.7	26.9	23.4	20.7	18.6	18.3
47.5°	1136.3	712.9	61.7	47.9	37.6	28.3	23.1	19.6	17.2	15.5	15.2
50°	1260.7	775.2	56.2	43.4	33.4	24.5	19.6	16.2	14.1	12.4	12.1
52.5°	1393.4	842.4	52.0	39.3	29.6	21.0	16.5	13.4	11.4	9.6	9.3
55°	1520.9	910.0	47.2	36.5	25.2	17.9	13.8	11.0	9.0	7.6	7.6
57.5°	1644.9	972.0	42.0	32.0	20.7	15.2	11.4	9.0	7.2	6.2	5.9
60°	1793.0	1057.8	36.2	27.2	17.2	12.7	9.3	7.2	5.9	4.8	4.8
62.5°	2013.2	1147.0	31.0	22.7	14.5	10.7	7.6	5.9	4.8	4.1	3.8
65°	2085.2	1098.8	26.2	18.6	11.7	8.6	6.2	5.2	4.1	3.8	3.4
67.5°	1893.0	900.7	21.7	15.2	9.6	7.2	5.5	4.5	3.8	3.4	3.1
70°	1477.1	639.1	16.9	11.4	7.9	5.9	4.8	4.1	3.4	3.1	3.1
72.5°	1004.7	378.0	13.4	8.6	6.5	5.2	4.1	3.8	3.4	3.1	2.8
75°	494.8	134.4	10.3	6.5	5.2	4.5	3.8	3.4	3.1	2.8	2.8
77.5°	133.3	37.2	7.9	5.2	4.1	3.4	3.4	3.4	3.1	2.4	2.4
80°	45.1	15.5	5.9	3.8	3.4	2.8	2.4	3.1	2.8	2.4	2.1
82.5°	24.8	7.6	4.1	3.1	2.4	2.1	2.1	2.1	2.1	1.7	1.7
85°	15.8	4.1	2.8	2.4	2.4	1.7	1.4	1.4	1.0	1.0	1.0
87.5°	7.2	2.4	2.4	2.1	2.1	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)