

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: P629950

Luminaire Tested: GWS-SA1C-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629950
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3927.6 lumens
Efficiency: N/A
Efficacy: 115.2 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

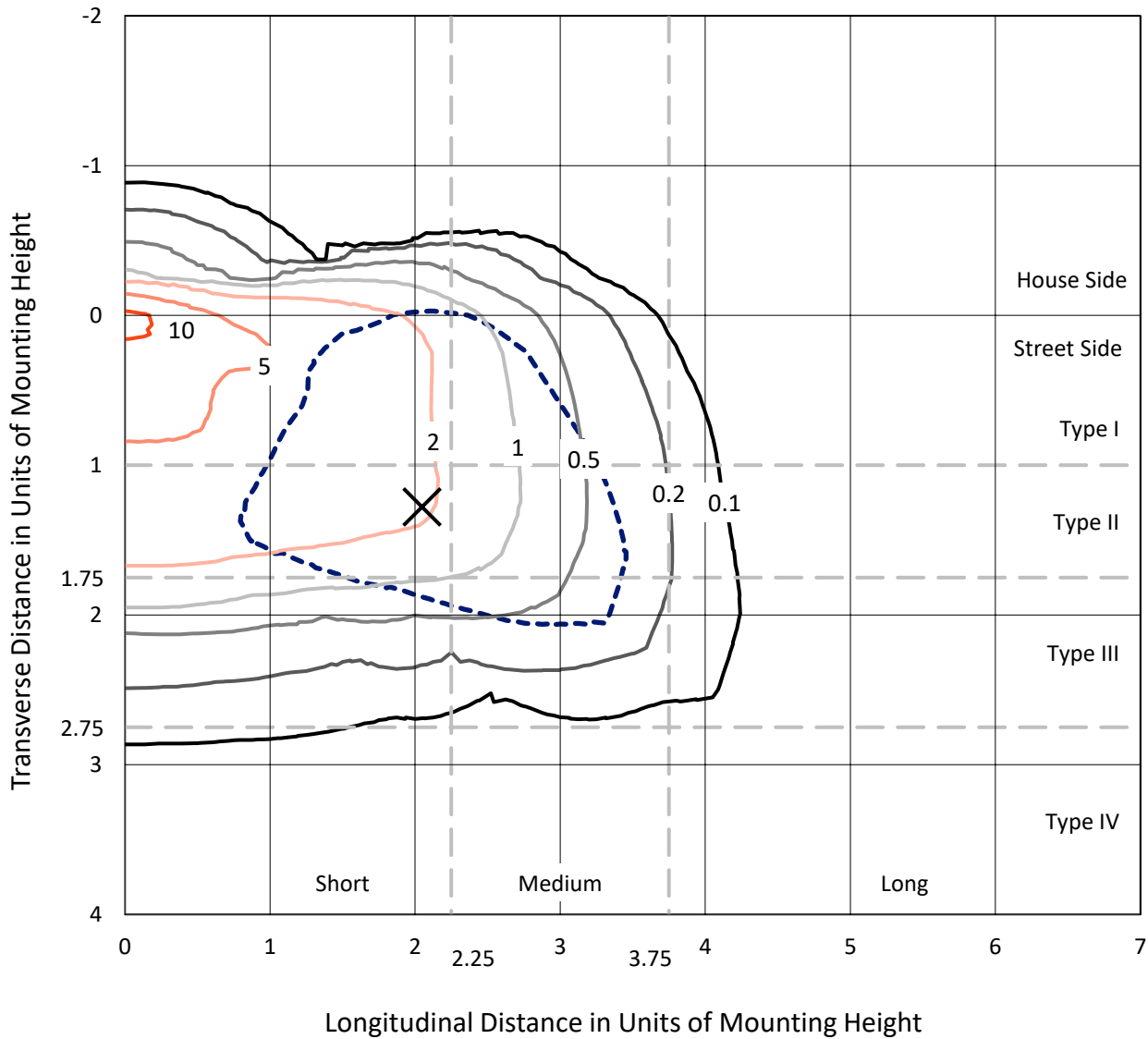
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

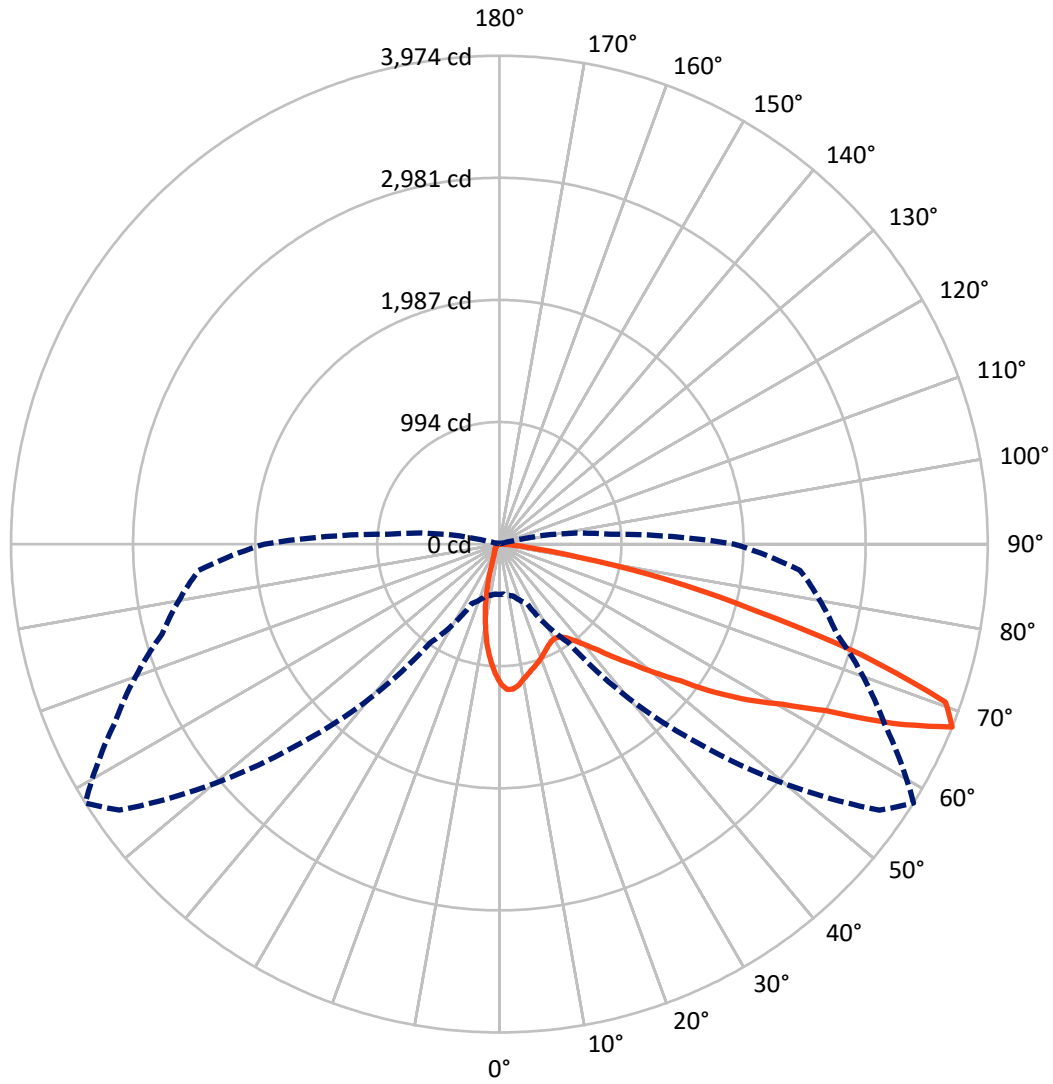
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 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
House Side	Lumens	383.7	0.0	383.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	3543.9	0.0	3543.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	3927.6	0.0	3927.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	2.3
10°-20°	191.6	4.9
20°-30°	258.4	6.6
30°-40°	363.2	9.2
40°-50°	560.8	14.3
50°-60°	896.9	22.8
60°-70°	1062.0	27.0
70°-80°	469.8	12.0
80°-90°	32.8	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°	3927.6	100.0
0°-180°	3927.6	100.0

Coefficient of Utilization



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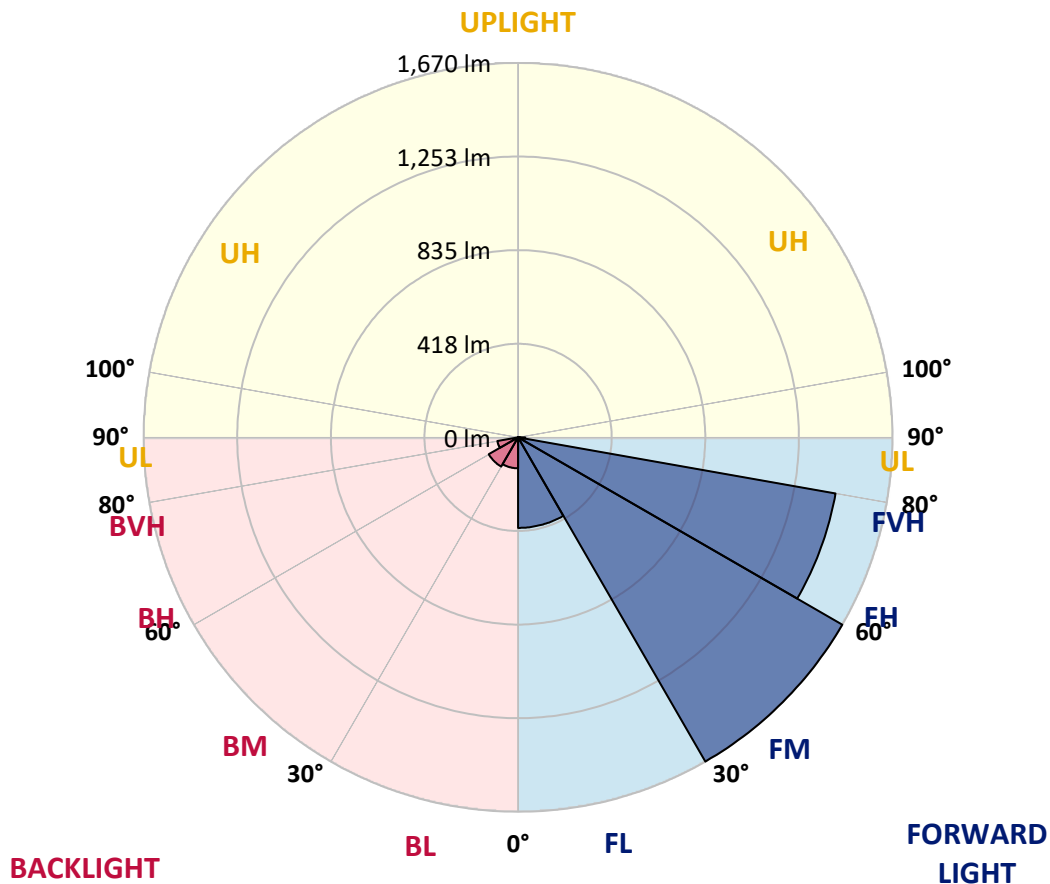
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.1	10.3			
FM (30°-60°)	1670.3	42.5			
FH (60°-80°)	1438.1	36.6			G1/1800
FVH (80°-90°)	31.4	0.8			G1/100
BL (0°-30°)	138.1	3.5	B1/500		
BM (30°-60°)	150.6	3.8	B0/220		
BH (60°-80°)	93.7	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°	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9
2.5°	1191.7	1193.7	1196.5	1200.0	1199.3	1196.2	1192.3	1183.7	1178.1	1160.7	1139.5
5°	1153.4	1153.1	1160.0	1166.6	1178.4	1184.7	1193.4	1185.4	1182.6	1161.8	1127.3
7.5°	1078.7	1082.5	1090.5	1100.9	1118.0	1136.4	1157.2	1154.8	1163.1	1149.2	1106.5
10°	1005.3	1003.2	1015.8	1031.4	1057.5	1081.1	1111.4	1111.0	1132.9	1131.5	1082.8
12.5°	941.0	940.7	950.4	968.1	998.7	1031.7	1072.8	1073.8	1100.9	1112.0	1062.7
15°	886.8	887.5	896.9	915.3	946.9	987.3	1034.9	1043.6	1074.2	1096.8	1042.9
17.5°	848.2	848.5	854.1	870.1	901.0	944.1	1001.5	1013.3	1052.6	1085.3	1026.9
20°	830.5	829.1	830.1	838.1	862.1	901.4	967.4	982.7	1032.8	1077.3	1012.3
22.5°	832.9	830.8	826.0	824.9	835.7	865.6	931.3	950.1	1011.2	1072.4	999.1
25°	854.5	849.9	843.0	832.6	828.4	843.3	899.6	919.1	991.1	1072.8	989.0
27.5°	887.5	882.6	873.9	860.0	843.7	837.4	878.1	896.5	976.8	1080.8	984.1
30°	929.5	925.7	917.4	900.7	878.8	853.1	873.6	888.9	969.9	1097.1	986.2
32.5°	979.3	976.5	969.5	954.2	929.2	889.9	888.9	900.7	975.4	1120.7	994.2
35°	1027.2	1028.3	1028.6	1020.3	993.5	945.9	930.9	935.1	998.4	1156.2	1012.3
37.5°	1079.0	1076.6	1089.1	1095.0	1069.3	1018.5	995.9	996.3	1042.2	1208.7	1046.3
40°	1118.3	1119.0	1146.1	1170.4	1159.7	1110.7	1078.3	1078.0	1109.6	1280.6	1101.3
42.5°	1155.2	1159.7	1199.6	1241.4	1256.3	1212.9	1189.6	1180.9	1204.2	1378.0	1183.7
45°	1194.4	1201.0	1257.0	1316.4	1355.7	1330.0	1311.6	1315.1	1317.8	1491.3	1294.5
47.5°	1240.3	1244.5	1313.7	1397.4	1470.8	1464.2	1465.2	1461.1	1459.7	1634.2	1441.2
50°	1295.9	1305.7	1385.3	1485.4	1585.5	1629.3	1643.9	1645.6	1623.1	1789.9	1593.2
52.5°	1414.1	1426.0	1494.1	1581.7	1710.7	1802.8	1862.2	1850.4	1815.6	1940.8	1759.7
55°	1553.5	1562.6	1628.3	1719.0	1863.6	1992.9	2134.1	2129.2	2044.0	2099.6	1896.6
57.5°	1566.7	1576.8	1678.7	1817.7	2060.0	2227.9	2376.4	2392.0	2267.2	2212.3	2019.0
60°	1418.3	1438.8	1577.9	1764.9	2135.1	2543.9	2641.9	2645.1	2430.9	2326.6	2168.5
62.5°	1136.7	1146.5	1286.6	1530.6	2019.3	2728.1	3047.6	2981.6	2641.2	2503.6	2405.2
65°	595.8	635.5	757.5	1027.6	1637.7	2663.8	3535.7	3517.6	3019.5	2757.0	2589.4
67.5°	408.8	408.5	437.3	535.7	976.5	2293.6	3775.2	3974.0	3456.8	2843.9	2456.0
70°	311.1	312.2	337.9	401.9	505.8	1526.8	3512.4	3852.4	3538.1	2582.1	1986.3
72.5°	206.5	208.6	251.3	324.7	403.9	748.4	2729.5	3082.4	2977.0	2073.9	1398.1
75°	123.4	125.1	155.7	236.0	359.1	418.9	1734.3	2130.9	2049.2	1429.4	749.5
77.5°	50.8	52.1	80.0	147.0	262.8	325.4	959.1	1394.3	1227.5	568.4	204.8
80°	21.2	21.9	38.6	102.9	189.5	204.1	444.3	655.3	503.0	122.4	62.6
82.5°	7.6	8.0	14.3	56.7	117.8	153.6	224.2	259.0	141.8	40.0	33.7
85°	0.3	0.3	3.5	19.1	44.8	43.5	128.3	124.1	46.9	16.7	20.2
87.5°	0.0	0.0	0.3	0.3	0.7	1.7	12.2	21.6	10.1	4.2	8.7
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°	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9
2.5°	1125.6	1107.2	1087.0	1068.2	1038.4	1020.6	998.7	989.0	975.1	971.6	973.7
5°	1102.7	1071.0	1022.7	978.9	922.2	876.7	830.8	811.4	786.3	769.6	762.7
7.5°	1070.3	1029.0	953.5	873.9	796.1	713.0	649.7	608.0	570.1	549.2	545.1
10°	1037.7	983.8	875.7	761.6	641.0	541.6	456.1	392.8	341.4	318.1	300.0
12.5°	1003.9	936.8	796.4	647.6	507.5	372.0	266.3	204.8	167.9	153.3	155.7
15°	973.0	891.7	717.8	533.6	357.4	224.6	147.0	124.1	115.4	112.6	112.3
17.5°	943.4	848.9	639.6	422.7	235.7	137.7	112.6	107.1	104.6	103.2	103.2
20°	916.7	807.9	563.1	318.4	152.3	109.2	101.9	99.1	97.0	95.9	95.9
22.5°	891.7	768.2	488.4	225.3	112.3	98.0	93.5	90.7	88.3	86.9	86.9
25°	869.1	732.4	417.1	155.0	96.6	89.7	84.8	81.7	77.5	75.1	75.1
27.5°	852.7	700.5	348.7	113.0	87.3	80.6	75.1	70.9	66.4	63.6	62.9
30°	843.0	673.3	279.5	92.8	78.6	72.0	65.7	60.5	55.3	52.5	52.1
32.5°	837.4	648.3	216.2	81.0	71.3	63.6	56.7	51.1	45.9	42.8	42.4
35°	839.5	628.9	162.0	73.0	64.3	56.3	48.7	43.1	38.6	35.8	35.1
37.5°	857.6	620.2	121.7	66.7	58.4	50.1	42.1	36.8	32.7	30.6	30.2
40°	892.7	621.9	95.6	61.9	53.5	43.8	36.2	31.3	28.2	26.4	26.1
42.5°	947.3	636.5	78.9	57.7	48.3	38.2	31.3	27.5	24.3	22.6	22.2
45°	1028.6	666.7	68.8	52.8	42.8	33.0	27.1	23.6	20.9	18.8	18.4
47.5°	1146.5	719.2	62.2	48.3	37.9	28.5	23.3	19.8	17.4	15.6	15.3
50°	1272.0	782.2	56.7	43.8	33.7	24.7	19.8	16.3	14.3	12.5	12.2
52.5°	1405.8	849.9	52.5	39.6	29.9	21.2	16.7	13.6	11.5	9.7	9.4
55°	1534.4	918.1	47.6	36.8	25.4	18.1	13.9	11.1	9.0	7.6	7.6
57.5°	1659.6	980.6	42.4	32.3	20.9	15.3	11.5	9.0	7.3	6.3	5.9
60°	1809.0	1067.2	36.5	27.5	17.4	12.9	9.4	7.3	5.9	4.9	4.9
62.5°	2031.2	1157.2	31.3	22.9	14.6	10.8	7.6	5.9	4.9	4.2	3.8
65°	2103.8	1108.6	26.4	18.8	11.8	8.7	6.3	5.2	4.2	3.8	3.5
67.5°	1909.8	908.7	21.9	15.3	9.7	7.3	5.6	4.5	3.8	3.5	3.1
70°	1490.3	644.8	17.0	11.5	8.0	5.9	4.9	4.2	3.5	3.1	3.1
72.5°	1013.7	381.3	13.6	8.7	6.6	5.2	4.2	3.8	3.5	3.1	2.8
75°	499.2	135.6	10.4	6.6	5.2	4.5	3.8	3.5	3.1	2.8	2.8
77.5°	134.5	37.5	8.0	5.2	4.2	3.5	3.5	3.5	3.1	2.4	2.4
80°	45.5	15.6	5.9	3.8	3.5	2.8	2.4	3.1	2.8	2.4	2.1
82.5°	25.0	7.6	4.2	3.1	2.4	2.1	2.1	2.1	2.1	1.7	1.7
85°	16.0	4.2	2.8	2.4	2.4	1.7	1.4	1.4	1.0	1.0	1.0
87.5°	7.3	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)