

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: P630910

Luminaire Tested: GWS-SA1E-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4861.5 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

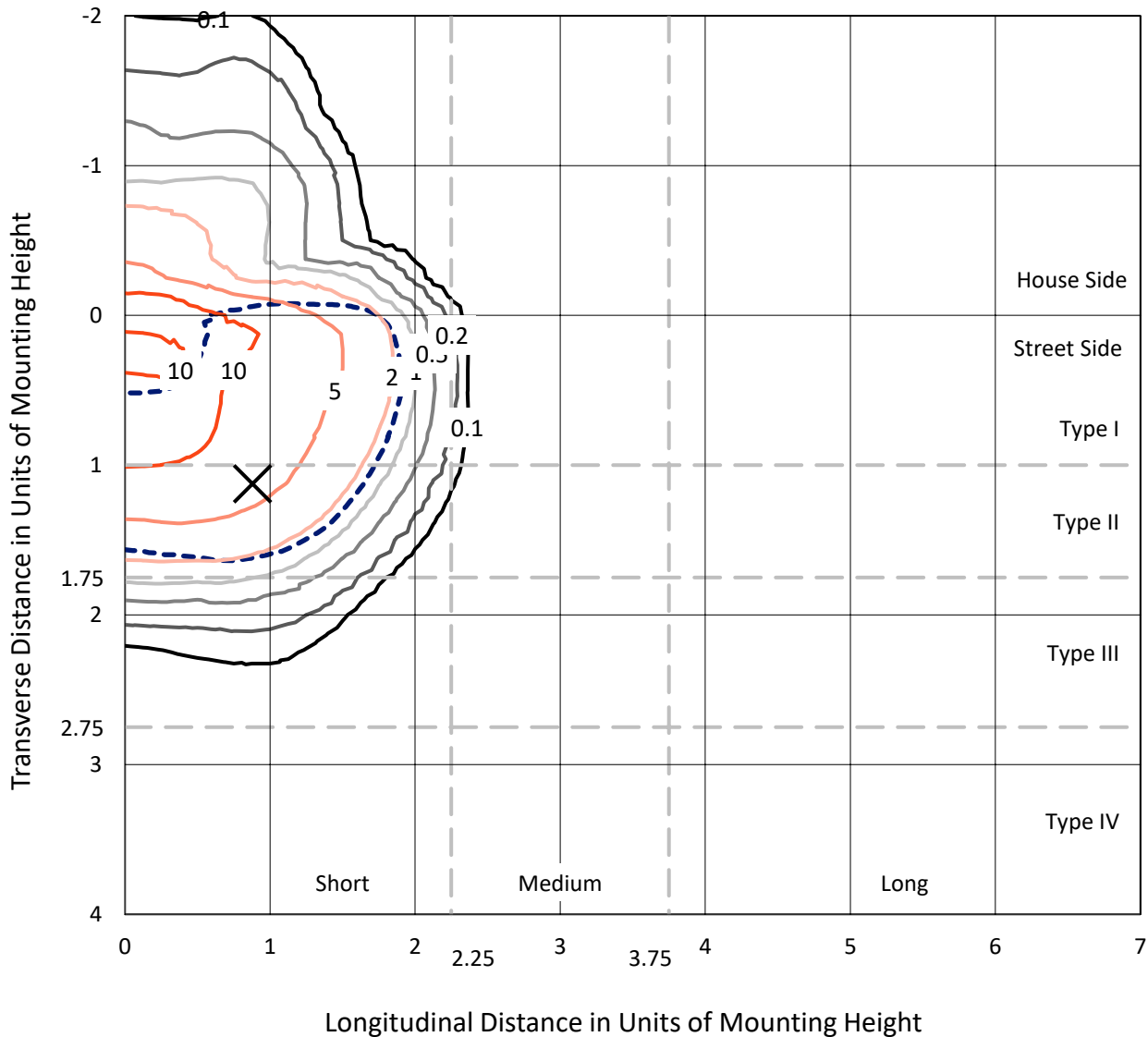
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630910
 CATALOG NUMBER: GWS-SA1E-750-U-T3R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

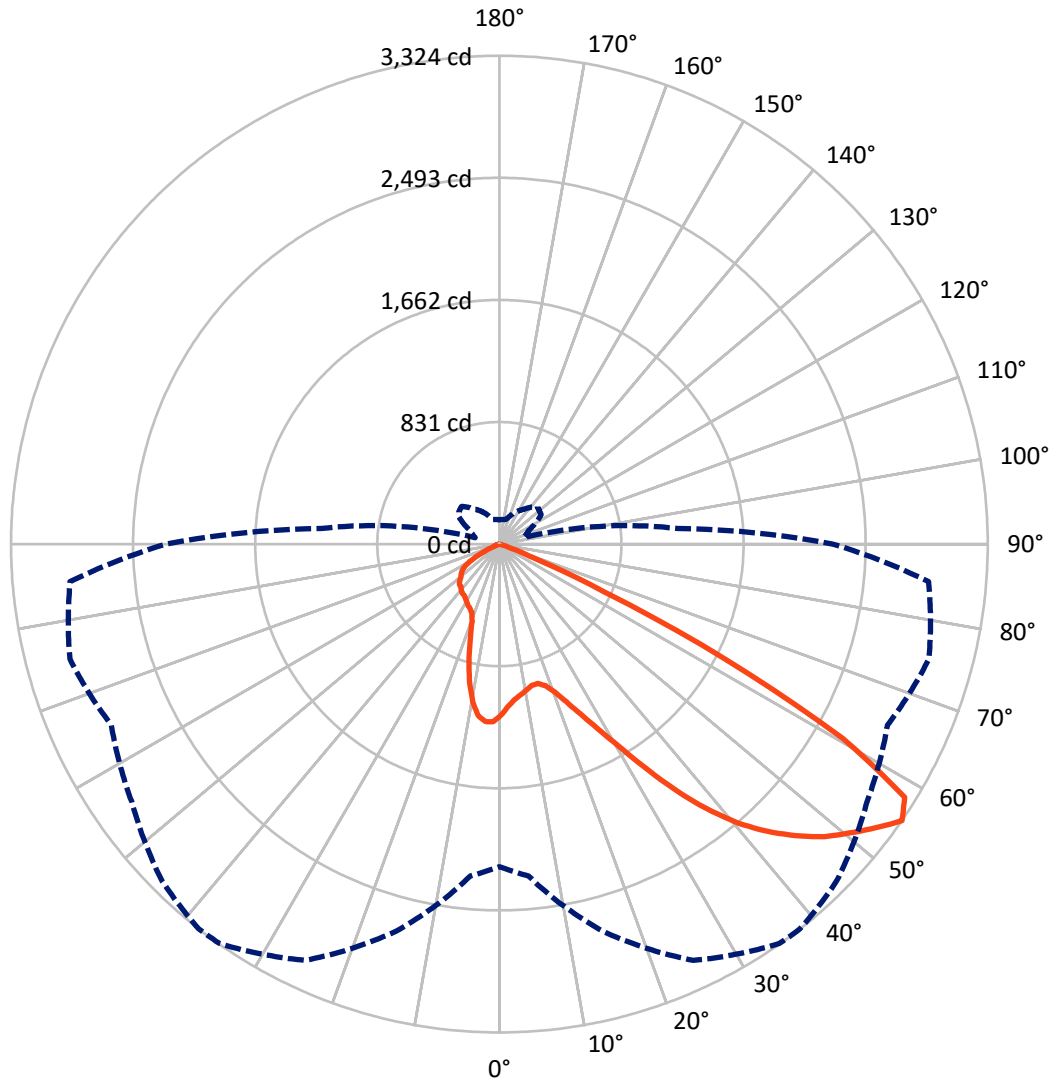
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type II - Short - N/A

REPORT NUMBER: P630910
CATALOG NUMBER: GWS-SA1E-750-U-T3R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P630910

CATALOG NUMBER: GWS-SA1E-750-U-T3R-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	947.2	0.0	947.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3914.3	0.0	3914.3
	% Fixture	80.5	0.0	80.5
Total	Lumens	4861.5	0.0	4861.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	2.2
10°-20°	290.2	6.0
20°-30°	498.0	10.2
30°-40°	826.0	17.0
40°-50°	1214.2	25.0
50°-60°	1418.8	29.2
60°-70°	480.9	9.9
70°-80°	24.6	0.5
80°-90°	1.0	0.0
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°	4861.5	100.0
0°-180°	4861.5	100.0

Coefficient of Utilization



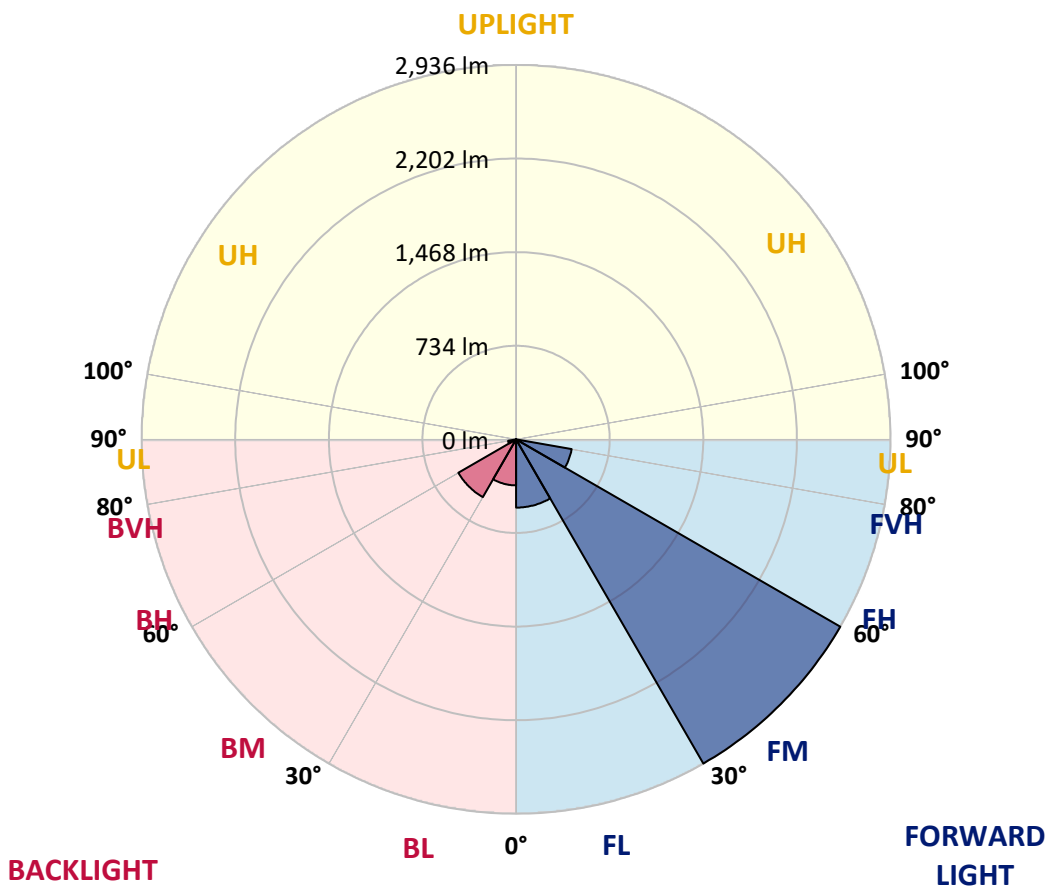
REPORT NUMBER: P630910

CATALOG NUMBER: GWS-SA1E-750-U-T3R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	535.1	11.0			
FM (30°-60°)	2936.2	60.4			
FH (60°-80°)	442.5	9.1			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	360.9	7.4	B1/500		
BM (30°-60°)	522.8	10.8	B1/1000		
BH (60°-80°)	63.1	1.3	B0/110		G0/110
BVH (80°-90°)	0.5	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-G0
 Type II Short





REPORT NUMBER: P630910
 CATALOG NUMBER: GWS-SA1E-750-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1085.8	1083.6	1088.0	1096.9	1105.3	1108.0	1116.4	1128.0	1135.3	1152.5	1166.4
5°	1036.9	1035.8	1040.2	1048.0	1059.1	1063.0	1075.8	1095.3	1114.7	1144.7	1174.2
7.5°	992.5	991.9	998.6	1015.8	1031.9	1036.9	1052.5	1076.4	1102.5	1148.6	1191.9
10°	934.1	934.7	947.4	971.9	1001.3	1011.3	1036.4	1070.8	1104.7	1164.2	1224.2
12.5°	915.2	916.3	923.0	941.9	974.1	986.9	1021.9	1074.1	1117.5	1186.4	1265.8
15°	961.3	961.3	955.8	958.0	972.4	984.1	1020.8	1085.3	1139.2	1213.1	1307.0
17.5°	1050.8	1047.5	1033.6	1014.7	1009.7	1013.6	1043.0	1109.1	1169.7	1244.2	1353.6
20°	1171.9	1173.0	1145.8	1106.4	1074.7	1074.1	1091.9	1151.4	1213.6	1281.4	1404.2
22.5°	1318.6	1314.2	1278.1	1224.2	1169.2	1164.7	1171.9	1215.8	1277.0	1340.3	1466.4
25°	1488.7	1486.5	1435.3	1363.1	1290.3	1279.7	1279.7	1323.1	1367.5	1424.2	1540.9
27.5°	1666.5	1666.5	1617.0	1533.7	1437.0	1418.1	1415.3	1466.4	1495.9	1507.0	1603.7
30°	1849.3	1847.1	1798.2	1712.6	1609.3	1589.8	1582.0	1619.8	1640.9	1607.6	1682.1
32.5°	2034.9	2038.8	1989.3	1909.9	1817.6	1804.9	1781.0	1781.0	1798.2	1751.5	1805.4
35°	2234.4	2233.3	2194.4	2140.5	2061.6	2047.1	2007.7	1946.0	1972.1	1951.6	1976.0
37.5°	2410.6	2418.9	2400.0	2360.0	2296.1	2281.6	2216.6	2104.9	2124.9	2157.2	2178.8
40°	2589.5	2596.2	2615.0	2602.3	2521.7	2495.0	2379.4	2196.1	2218.3	2328.9	2391.1
42.5°	2765.1	2768.4	2806.8	2827.9	2720.1	2673.4	2502.8	2251.6	2275.0	2463.3	2572.3
45°	2876.8	2884.0	2947.3	3011.8	2895.1	2831.2	2610.0	2322.8	2332.8	2556.7	2706.2
47.5°	2872.3	2889.0	3007.9	3125.2	3045.7	2976.8	2739.0	2436.7	2420.0	2644.5	2794.5
50°	2782.9	2802.9	2973.5	3159.6	3154.1	3090.2	2882.3	2601.7	2549.5	2722.3	2805.6
52.5°	2597.3	2655.1	2912.9	3164.1	3241.3	3209.1	3059.6	2824.0	2724.5	2834.0	2823.4
55°	2196.1	2267.2	2729.0	3126.3	3320.2	3324.1	3245.7	3055.7	2914.6	3026.3	2932.9
57.5°	1667.1	1723.7	2100.5	2782.9	3189.6	3253.5	3318.0	3178.0	3031.8	3157.4	2958.5
60°	1004.7	1070.2	1315.3	2042.1	2576.2	2685.1	2937.9	2910.7	2734.5	2788.4	2426.1
62.5°	407.3	441.8	607.4	1125.3	1621.5	1723.2	1965.5	2006.6	1963.2	1908.2	1471.5
65°	148.9	162.8	243.4	465.1	745.7	783.0	910.8	983.6	1043.6	888.5	547.3
67.5°	92.2	101.1	158.4	238.9	271.2	252.3	256.7	306.2	292.3	180.6	97.8
70°	68.3	75.6	123.9	165.6	109.5	84.5	57.2	61.1	55.0	48.3	47.8
72.5°	47.2	53.9	92.8	97.8	42.2	30.0	21.1	29.5	33.3	32.8	33.9
75°	31.1	36.1	58.3	38.3	10.6	8.3	7.2	15.6	20.0	20.0	20.6
77.5°	18.3	21.1	20.6	7.8	2.2	2.2	1.7	2.8	4.4	5.0	6.1
80°	2.2	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7
82.5°	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7
85°	0.0	0.0	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.7	1.7
87.5°	0.0	0.0	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.7	1.7
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: P630910
 CATALOG NUMBER: GWS-SA1E-750-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1176.9	1173.0	1189.2	1200.8	1210.3	1214.7	1208.6	1208.1	1208.1	1195.8	1192.5
5°	1190.8	1192.5	1215.3	1225.3	1227.0	1221.4	1207.5	1198.1	1192.5	1179.7	1172.5
7.5°	1217.5	1223.1	1244.7	1243.1	1228.1	1202.5	1165.8	1137.5	1119.1	1099.1	1086.9
10°	1255.8	1266.4	1279.7	1256.4	1208.6	1143.6	1068.0	1014.1	981.9	959.1	945.2
12.5°	1302.5	1313.1	1308.6	1253.6	1154.2	1038.0	940.8	863.0	825.7	805.2	790.7
15°	1349.8	1356.4	1327.5	1220.3	1058.0	901.9	793.5	716.3	670.7	654.0	641.8
17.5°	1398.1	1396.4	1330.9	1154.7	929.7	748.5	641.8	589.0	576.2	573.5	572.4
20°	1448.7	1433.7	1317.5	1060.8	775.2	596.8	536.2	539.6	562.9	574.0	576.2
22.5°	1506.5	1468.7	1284.2	933.5	617.4	497.3	503.4	536.2	567.9	582.9	585.1
25°	1568.1	1500.9	1228.6	770.2	486.8	457.3	493.4	531.2	565.1	583.5	585.7
27.5°	1608.7	1508.7	1137.5	605.7	417.9	441.8	480.1	516.2	551.2	571.2	574.0
30°	1652.6	1505.3	1013.6	466.8	394.5	428.4	461.8	494.6	526.8	549.0	551.2
32.5°	1717.1	1503.1	862.4	379.0	385.1	417.9	442.3	469.6	491.8	504.6	502.9
35°	1801.5	1500.3	686.3	341.7	379.5	409.5	429.0	441.8	417.3	409.5	411.2
37.5°	1909.9	1507.0	537.9	326.2	377.9	407.3	424.0	387.3	349.5	335.1	332.9
40°	2029.9	1524.2	410.1	320.1	383.4	412.9	405.1	344.5	297.8	269.5	263.4
42.5°	2150.5	1543.1	324.5	317.9	392.9	428.4	374.0	313.4	243.4	227.3	225.1
45°	2240.0	1539.8	280.6	314.0	401.2	437.3	365.6	269.0	217.3	210.0	210.6
47.5°	2285.0	1503.1	256.7	305.1	404.5	428.4	345.1	250.6	199.5	207.3	213.9
50°	2261.1	1408.1	234.5	287.8	397.3	416.8	312.3	236.7	190.6	222.8	237.8
52.5°	2232.2	1291.4	210.0	261.2	380.1	400.6	299.5	232.8	185.0	215.0	226.2
55°	2270.5	1217.5	170.0	220.1	346.2	362.9	289.5	232.3	172.3	167.3	165.6
57.5°	2216.6	1070.2	121.7	158.4	265.6	287.3	282.3	228.4	152.8	152.3	154.5
60°	1713.2	652.9	83.4	100.6	162.8	183.4	256.2	218.4	131.7	121.1	121.7
62.5°	973.6	277.8	57.2	62.2	83.4	98.9	195.6	198.4	121.7	115.6	121.7
65°	339.0	99.5	44.5	41.7	46.1	52.8	112.2	153.4	110.6	100.0	101.1
67.5°	70.0	49.5	39.5	34.5	34.5	34.5	57.2	95.6	91.1	79.5	80.6
70°	44.5	42.2	34.5	29.5	28.3	26.1	32.8	52.8	62.8	57.8	58.3
72.5°	32.8	32.2	27.2	23.9	21.1	18.9	20.6	26.1	32.2	33.3	33.9
75°	20.0	20.6	17.8	15.0	13.3	11.7	12.2	12.2	12.2	11.1	12.2
77.5°	6.1	6.7	5.6	4.4	3.9	3.9	3.9	3.3	2.8	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.1	1.1	0.6	0.6	0.0	0.0
82.5°	1.7	1.7	1.7	1.7	1.1	1.1	0.6	0.6	0.0	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.1	1.1	0.6	0.6	0.0	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	1.1	1.1	0.6	0.6	0.0	0.0	0.0
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)