

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: P634591

Luminaire Tested: GWS-SA3C-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6345 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

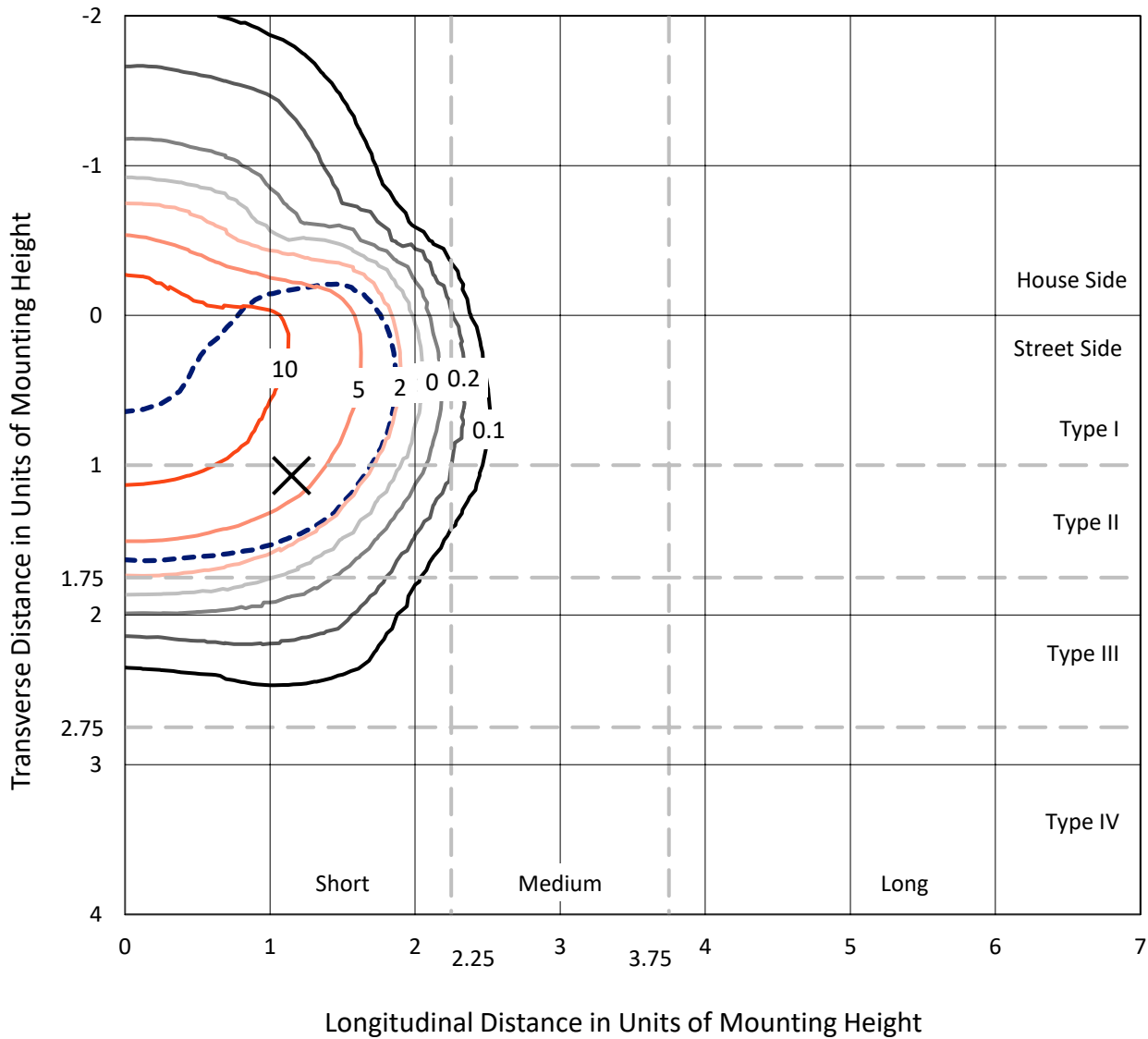
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

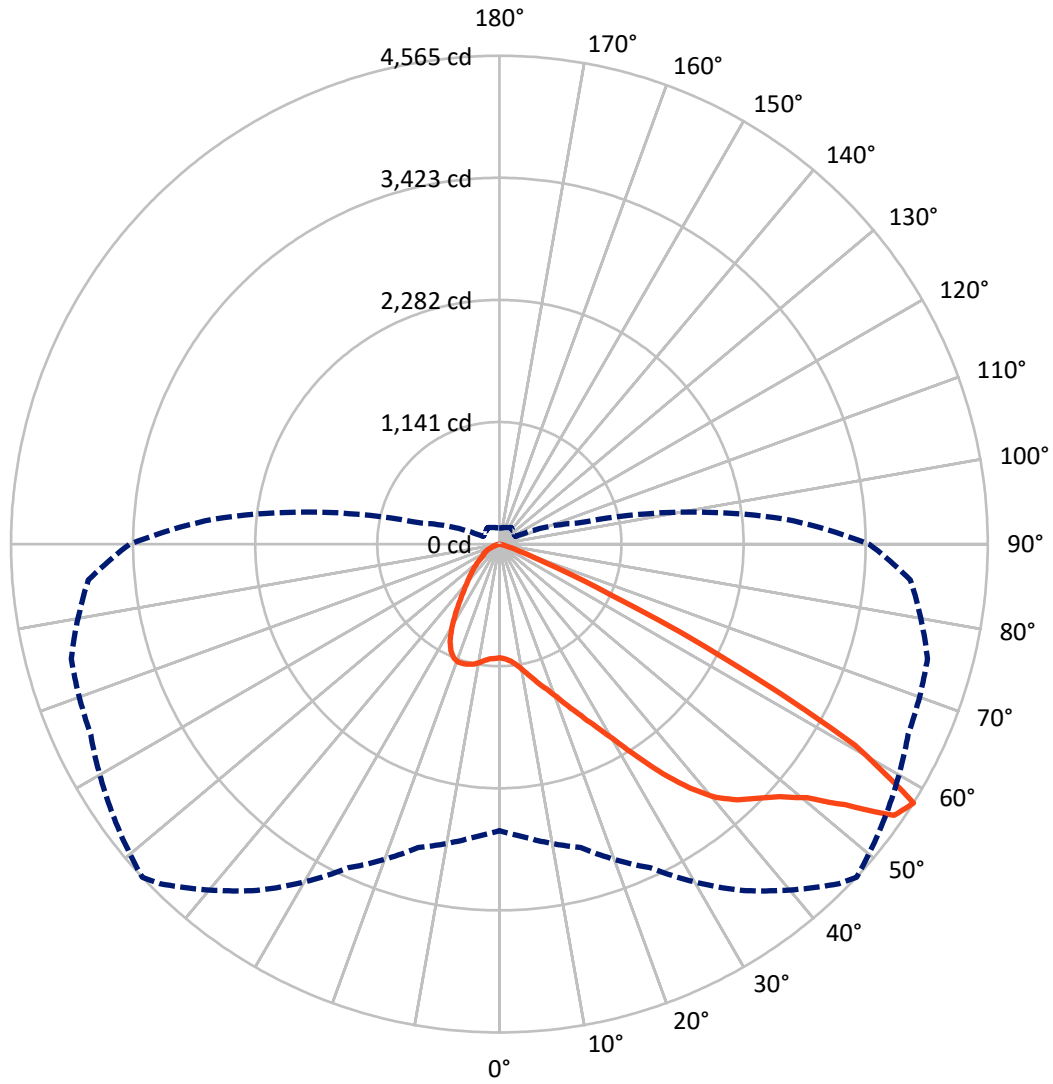
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - N/A

REPORT NUMBER: P634591
CATALOG NUMBER: GWS-SA3C-722-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1376.5	0.0	1376.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4968.4	0.0	4968.4
	% Fixture	78.3	0.0	78.3
Total	Lumens	6345.0	0.0	6345.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	1.7
10°-20°	356.6	5.6
20°-30°	662.1	10.4
30°-40°	1059.8	16.7
40°-50°	1549.2	24.4
50°-60°	1912.0	30.1
60°-70°	638.9	10.1
70°-80°	59.5	0.9
80°-90°	1.2	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°	6345.0	100.0
0°-180°	6345.0	100.0

Coefficient of Utilization



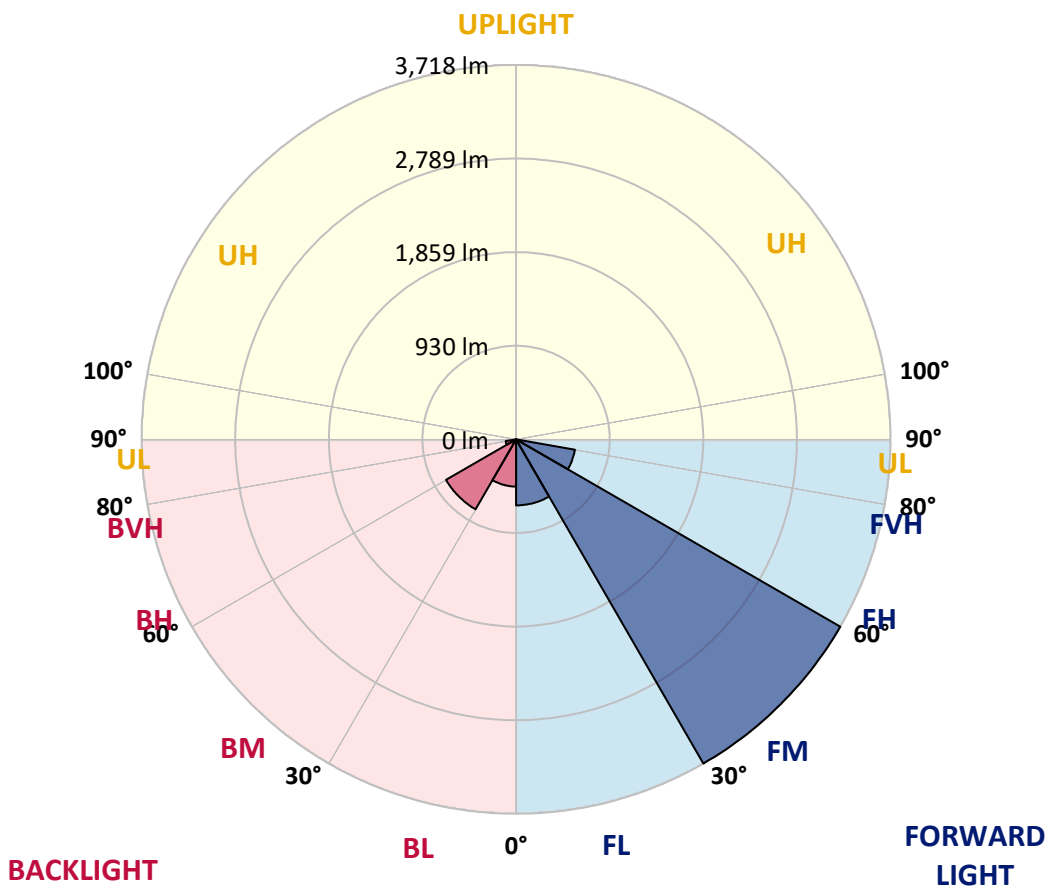
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	655.7	10.3			
FM (30°-60°)	3718.1	58.6			
FH (60°-80°)	593.8	9.4			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	468.6	7.4	B1/500		
BM (30°-60°)	802.9	12.7	B1/1000		
BH (60°-80°)	104.7	1.6	B0/110		G0/110
BVH (80°-90°)	0.4	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-G0
 Type II Short





REPORT NUMBER: P634591

CATALOG NUMBER: GWS-SA3C-722-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2
2.5°	1073.2	1072.5	1071.7	1076.2	1074.7	1073.9	1075.4	1075.4	1075.4	1071.0	1062.2
5°	1099.0	1099.0	1098.3	1102.7	1099.0	1096.8	1097.5	1097.5	1094.6	1086.5	1075.4
7.5°	1139.5	1138.0	1136.6	1141.0	1137.3	1136.6	1138.0	1133.6	1128.5	1115.2	1099.7
10°	1197.7	1197.7	1195.5	1199.9	1197.0	1195.5	1195.5	1192.5	1183.0	1162.3	1139.5
12.5°	1278.0	1274.3	1269.1	1265.5	1264.0	1263.2	1264.0	1259.6	1249.3	1222.7	1191.1
15°	1365.6	1362.7	1354.6	1348.7	1340.6	1339.1	1343.5	1339.9	1329.5	1293.4	1248.5
17.5°	1476.1	1479.8	1459.2	1446.7	1423.1	1421.6	1423.1	1429.0	1421.6	1375.2	1309.7
20°	1570.4	1573.4	1557.9	1549.0	1527.7	1518.1	1521.1	1530.6	1522.5	1468.0	1376.7
22.5°	1671.3	1675.0	1658.8	1640.4	1630.8	1630.8	1641.9	1655.1	1644.1	1572.6	1453.3
25°	1792.1	1795.1	1781.8	1757.5	1740.6	1761.9	1778.1	1813.5	1795.1	1697.8	1543.9
27.5°	1930.6	1931.3	1912.2	1887.1	1878.3	1918.1	1934.3	1988.8	1981.4	1838.5	1639.6
30°	2078.7	2079.4	2075.0	2058.0	2049.9	2102.2	2124.3	2203.1	2198.0	2013.1	1770.0
32.5°	2232.6	2232.6	2240.7	2239.2	2248.8	2334.2	2369.6	2459.5	2454.3	2226.7	1932.1
35°	2387.3	2388.0	2402.0	2437.4	2477.1	2590.6	2637.0	2746.0	2734.2	2482.3	2139.1
37.5°	2563.3	2556.0	2575.1	2628.1	2716.5	2847.6	2891.8	2995.7	2982.4	2743.8	2409.4
40°	2775.5	2762.2	2762.2	2824.1	2924.3	3075.3	3112.8	3164.4	3119.4	2955.2	2674.6
42.5°	3009.7	2997.2	2981.0	3035.5	3119.4	3237.3	3268.2	3254.2	3217.4	3154.8	2976.6
45°	3246.9	3227.7	3238.8	3271.9	3320.5	3376.5	3388.3	3323.5	3306.5	3324.2	3226.3
47.5°	3427.3	3414.1	3441.3	3487.7	3527.5	3535.6	3527.5	3437.7	3436.2	3498.8	3399.4
50°	3487.7	3489.2	3564.3	3666.0	3730.1	3736.7	3725.7	3622.5	3608.5	3627.0	3492.9
52.5°	3493.6	3499.5	3609.3	3803.0	3977.6	4057.1	4048.3	3937.1	3800.1	3780.2	3634.3
55°	3351.5	3386.1	3539.3	3822.2	4193.4	4447.5	4477.0	4264.1	4060.8	4043.9	3938.5
57.5°	2679.0	2749.7	2934.6	3337.5	3952.5	4488.0	4564.6	4411.4	4214.8	4142.6	3856.8
60°	1601.3	1689.0	1866.5	2360.8	3008.2	3688.8	3820.7	3842.0	3751.4	3543.0	2958.9
62.5°	687.2	679.9	898.6	1277.2	1789.2	2344.6	2404.2	2497.0	2575.8	2357.8	1795.8
65°	235.7	256.3	356.5	576.0	895.7	1088.7	1141.7	1224.9	1336.9	1103.4	657.8
67.5°	145.8	154.7	205.5	340.3	483.2	475.8	452.3	439.0	427.2	292.4	180.5
70°	106.1	113.4	144.4	234.2	324.8	228.3	198.1	160.6	178.3	164.3	128.2
72.5°	71.4	77.3	99.4	142.2	166.5	111.2	103.1	117.1	141.4	134.8	104.6
75°	42.7	46.4	56.7	69.2	67.8	57.5	58.2	82.5	108.3	100.9	74.4
77.5°	29.5	30.9	37.6	44.9	33.1	17.7	16.2	22.8	36.8	36.8	25.0
80°	7.4	9.6	9.6	5.9	5.2	4.4	4.4	6.6	10.3	7.4	3.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5
87.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
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°	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2
2.5°	1067.3	1058.5	1064.4	1062.9	1067.3	1068.8	1062.2	1060.7	1061.4	1052.6	1049.6
5°	1077.6	1067.3	1070.3	1067.3	1072.5	1076.9	1074.7	1077.6	1081.3	1074.7	1071.7
7.5°	1099.7	1089.4	1088.7	1084.3	1091.6	1094.6	1093.8	1101.9	1109.3	1104.9	1100.5
10°	1138.0	1124.0	1122.6	1118.9	1121.1	1123.3	1115.2	1116.7	1123.3	1118.1	1115.9
12.5°	1185.2	1168.2	1164.5	1155.7	1155.7	1144.7	1127.0	1123.3	1128.5	1124.8	1121.1
15°	1236.0	1213.2	1207.3	1191.8	1177.1	1156.4	1138.0	1133.6	1137.3	1132.9	1129.9
17.5°	1292.7	1266.9	1247.8	1220.5	1188.1	1163.8	1143.2	1133.6	1127.7	1118.9	1118.1
20°	1348.7	1314.8	1282.4	1238.9	1196.2	1159.4	1125.5	1100.5	1079.1	1065.8	1060.7
22.5°	1413.5	1363.4	1311.1	1250.0	1188.9	1132.9	1073.2	1030.5	993.7	981.1	975.2
25°	1482.8	1417.9	1339.9	1260.3	1163.8	1073.9	992.9	929.6	881.0	864.8	858.1
27.5°	1559.4	1470.2	1369.3	1258.1	1112.2	990.0	882.4	803.6	755.7	741.0	746.2
30°	1656.6	1538.0	1406.1	1235.3	1034.9	872.1	746.2	679.9	643.8	629.8	630.5
32.5°	1786.2	1635.2	1459.9	1186.6	935.5	738.1	627.6	579.0	554.7	536.2	534.8
35°	1971.8	1783.3	1510.0	1108.6	814.7	618.7	538.4	500.1	466.3	444.9	448.6
37.5°	2194.3	1969.6	1537.3	1003.2	679.1	525.9	471.4	432.4	394.1	362.4	366.1
40°	2458.0	2213.4	1535.0	864.8	555.4	462.6	415.4	369.8	321.9	293.2	296.1
42.5°	2751.9	2444.0	1487.2	718.2	460.4	411.0	361.7	304.2	257.8	240.1	240.9
45°	3006.8	2631.1	1403.2	566.4	387.4	360.9	305.7	246.8	226.1	213.6	212.9
47.5°	3195.3	2768.1	1283.1	445.6	328.5	315.3	251.2	221.0	204.8	194.5	193.0
50°	3300.7	2816.0	1150.6	349.1	277.7	267.4	224.7	200.4	189.3	182.7	181.2
52.5°	3442.1	2873.4	1055.5	275.5	232.8	218.8	207.0	186.4	179.0	173.8	171.6
55°	3666.0	2984.7	973.0	218.8	193.7	190.8	195.2	178.3	173.8	165.7	162.8
57.5°	3455.3	2681.2	755.7	169.4	163.5	174.6	188.6	170.2	159.1	151.7	148.8
60°	2431.5	1782.5	380.1	136.3	145.8	163.5	177.5	153.9	142.9	144.4	142.9
62.5°	1340.6	892.0	170.9	114.2	126.7	144.4	151.7	133.3	126.0	138.5	140.7
65°	438.3	303.5	98.7	88.4	100.2	117.9	131.1	126.7	125.2	140.0	144.4
67.5°	134.8	100.2	67.0	63.3	69.2	86.9	110.5	137.0	147.3	151.7	153.9
70°	100.9	78.8	57.5	53.8	56.7	66.3	93.5	114.2	107.5	108.3	106.8
72.5°	81.0	62.6	49.4	47.1	47.1	45.7	49.4	61.9	70.0	73.7	73.7
75°	56.7	44.2	37.6	34.6	27.3	22.1	19.9	19.9	17.7	16.9	16.2
77.5°	19.2	16.2	14.7	11.8	8.1	6.6	5.9	5.2	3.7	2.2	1.5
80°	2.9	2.2	1.5	1.5	1.5	0.7	0.7	0.7	0.0	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.0	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)