

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: P630912

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6067.8 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

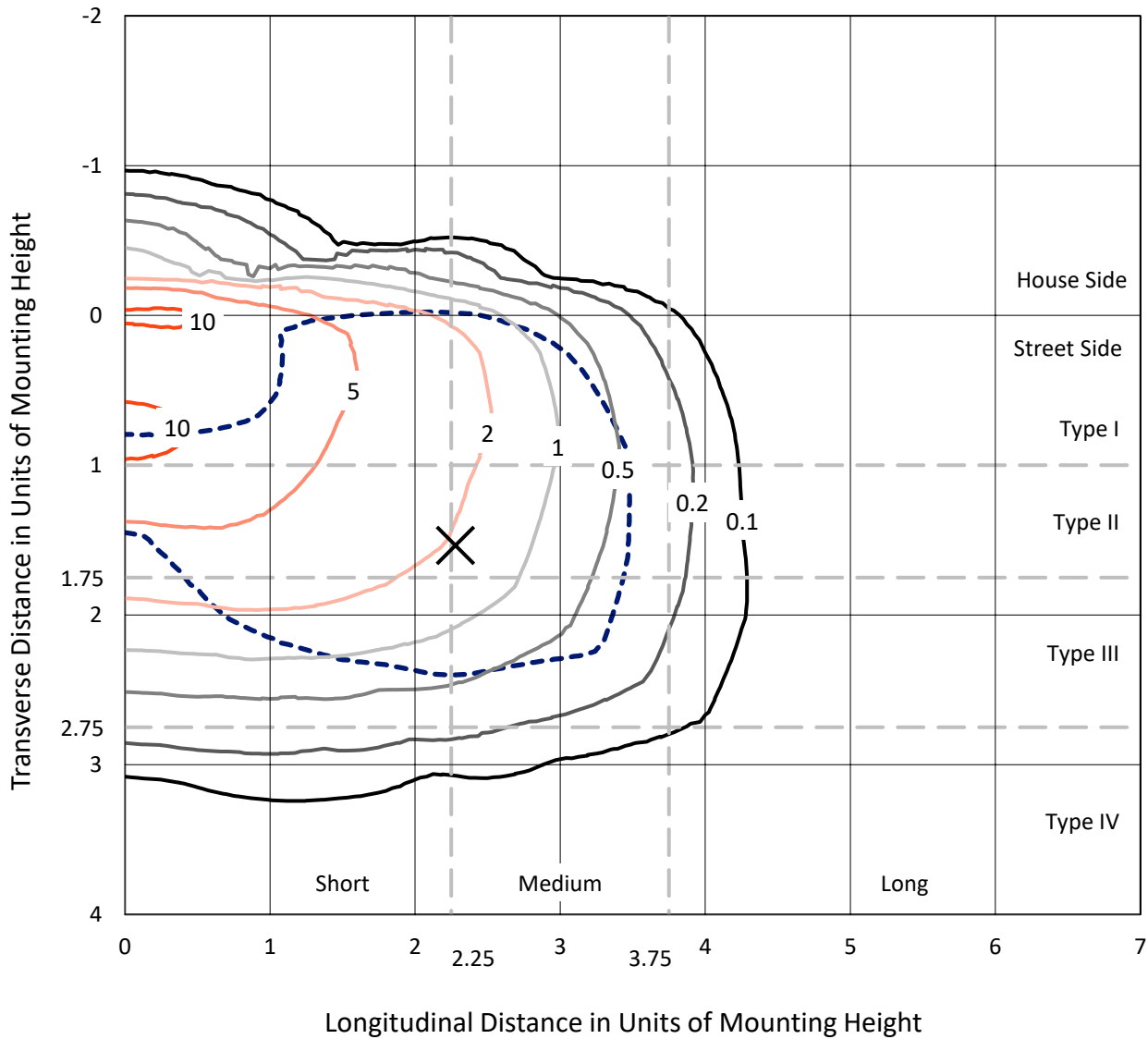
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

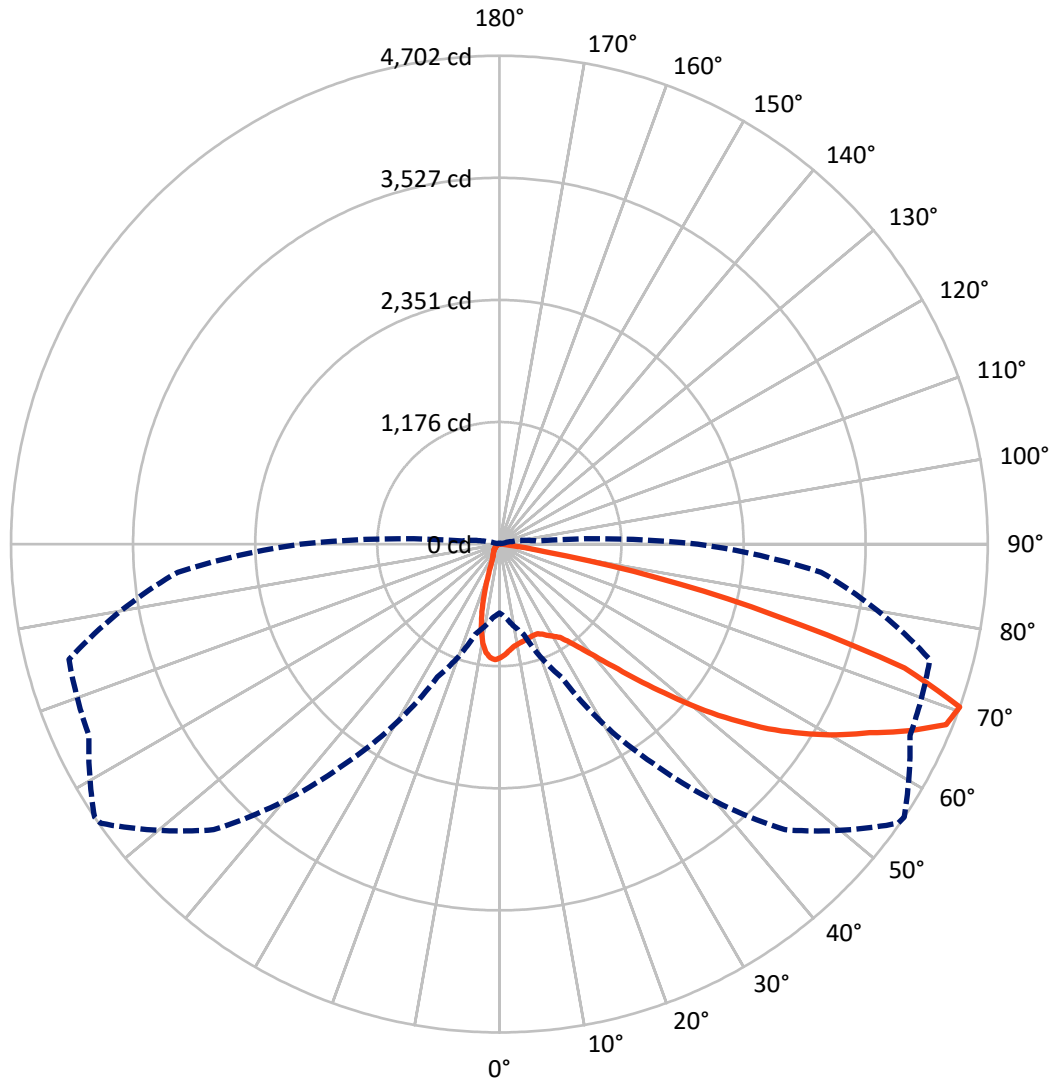
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	545.0	0.0	545.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5522.8	0.0	5522.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	6067.8	0.0	6067.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	1.5
10°-20°	211.3	3.5
20°-30°	334.7	5.5
30°-40°	577.1	9.5
40°-50°	974.6	16.1
50°-60°	1431.9	23.6
60°-70°	1697.6	28.0
70°-80°	723.9	11.9
80°-90°	22.7	0.4
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°	6067.8	100.0
0°-180°	6067.8	100.0

Coefficient of Utilization



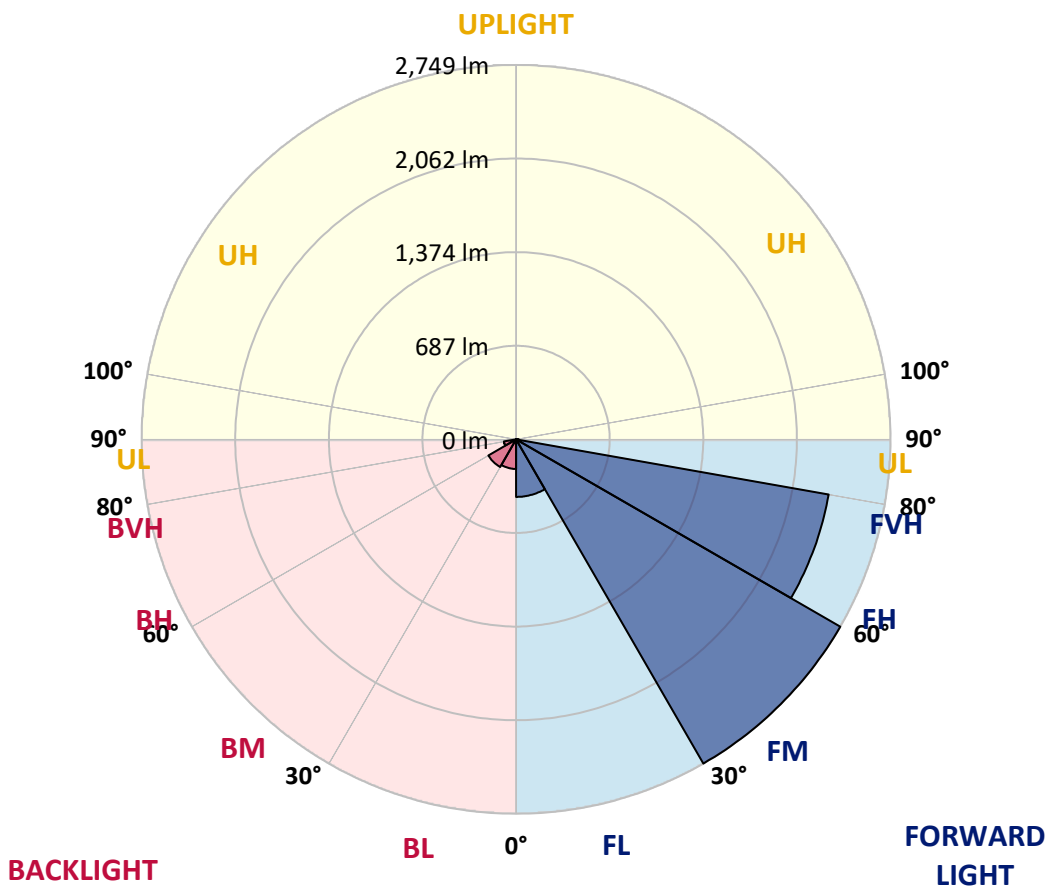
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.8	7.0			
FM (30°-60°)	2748.9	45.3			
FH (60°-80°)	2330.7	38.4			G2/5000
FVH (80°-90°)	20.4	0.3			G1/100
BL (0°-30°)	217.1	3.6	B1/500		
BM (30°-60°)	234.7	3.9	B1/1000		
BH (60°-80°)	90.9	1.5	B0/110		G0/110
BVH (80°-90°)	2.3	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1
2.5°	1018.5	1016.8	1018.0	1026.3	1041.9	1049.1	1061.3	1063.5	1073.5	1086.3	1091.3
5°	952.4	946.8	949.6	961.3	979.1	999.1	1021.9	1028.0	1053.0	1081.3	1102.4
7.5°	891.8	885.7	892.4	910.7	935.7	957.4	991.3	995.2	1035.2	1085.2	1123.5
10°	796.8	798.5	811.8	844.0	882.4	927.4	973.0	978.5	1028.0	1098.0	1157.4
12.5°	724.0	720.1	734.6	771.2	825.1	890.7	959.1	966.3	1028.5	1117.4	1200.8
15°	690.1	689.0	695.1	721.8	774.0	851.3	946.3	955.7	1035.7	1135.2	1241.9
17.5°	691.2	689.6	689.0	704.6	743.5	821.8	932.4	944.6	1041.9	1154.7	1285.2
20°	739.6	731.8	717.9	710.7	734.0	802.9	922.9	936.8	1050.7	1175.2	1331.4
22.5°	840.7	843.5	806.3	767.4	756.2	805.1	921.8	937.9	1070.2	1207.4	1388.0
25°	1043.0	1038.5	969.6	882.4	821.8	830.7	941.3	960.7	1108.5	1253.6	1441.4
27.5°	1296.3	1300.2	1205.8	1066.9	940.2	883.5	976.8	996.3	1153.0	1282.5	1476.9
30°	1572.5	1568.6	1467.5	1313.6	1108.0	971.3	1012.4	1029.6	1175.2	1298.0	1513.6
32.5°	1833.7	1824.8	1724.8	1563.6	1321.9	1109.6	1061.3	1071.3	1204.7	1331.9	1563.1
35°	2056.5	2055.9	1968.7	1797.0	1541.9	1283.0	1145.2	1153.5	1259.7	1385.8	1635.8
37.5°	2286.5	2278.7	2180.9	2024.3	1768.1	1473.0	1273.6	1270.2	1346.4	1465.3	1725.3
40°	2475.4	2470.4	2395.4	2244.8	2003.1	1683.1	1429.1	1419.1	1449.1	1575.3	1849.8
42.5°	2615.5	2616.0	2592.7	2501.0	2252.1	1925.9	1624.7	1609.2	1608.6	1741.4	2014.3
45°	2721.6	2728.8	2763.8	2749.9	2546.0	2208.7	1875.3	1859.2	1832.0	1957.0	2202.6
47.5°	2771.1	2780.5	2886.1	2941.6	2803.3	2489.3	2173.7	2139.8	2086.5	2243.7	2413.2
50°	2766.1	2782.7	2930.0	3098.9	3036.7	2773.8	2498.8	2482.7	2395.4	2547.1	2621.6
52.5°	2652.7	2688.3	2932.7	3194.5	3216.1	3036.1	2835.0	2804.9	2762.7	2863.8	2817.2
55°	2344.9	2388.2	2815.5	3225.0	3356.2	3265.0	3163.9	3139.5	3069.4	3162.8	2987.8
57.5°	2177.6	2214.8	2568.8	3210.0	3475.1	3476.7	3456.7	3436.7	3378.9	3458.4	3187.8
60°	2077.0	2114.3	2437.1	3155.0	3582.9	3700.1	3731.8	3729.6	3646.2	3794.6	3422.3
62.5°	1929.8	1980.9	2299.9	3012.2	3659.5	3920.1	4015.7	4000.7	3907.9	4144.6	3654.5
65°	1632.5	1677.0	2018.7	2776.6	3614.5	4102.4	4323.6	4331.3	4224.1	4474.1	3837.9
67.5°	1144.7	1177.4	1516.9	2282.1	3308.9	4162.4	4638.6	4638.1	4455.2	4643.1	3756.8
70°	663.5	708.5	896.3	1410.8	2574.4	3889.6	4685.8	4702.0	4361.3	4290.2	3108.9
72.5°	256.7	293.9	507.9	749.6	1342.5	2979.4	4030.7	4078.0	3650.1	3309.5	2163.7
75°	76.7	85.6	238.9	399.0	539.0	1439.1	2728.8	2742.2	2503.8	2064.3	1109.1
77.5°	57.2	63.3	104.5	201.7	188.9	436.2	1411.9	1541.9	1329.1	737.4	305.6
80°	38.9	46.1	74.5	98.4	70.0	116.1	396.7	435.6	405.6	165.6	76.7
82.5°	17.2	22.2	52.8	49.5	25.6	33.3	122.2	130.0	83.9	50.0	26.7
85°	1.7	2.2	20.0	21.7	9.4	7.8	25.6	25.6	18.3	17.2	11.1
87.5°	0.0	0.0	0.6	1.1	1.1	1.7	2.2	2.8	3.3	4.4	5.6
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°	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1
2.5°	1104.1	1097.4	1105.8	1112.4	1114.1	1101.9	1094.6	1084.1	1081.9	1082.4	1079.6
5°	1119.1	1115.8	1121.9	1114.6	1095.8	1060.2	1029.6	995.7	977.4	966.8	965.7
7.5°	1146.9	1145.2	1138.5	1105.8	1046.9	968.0	891.8	817.4	771.2	754.6	751.8
10°	1188.0	1184.7	1157.4	1079.6	954.1	802.4	674.6	567.9	502.9	484.0	460.6
12.5°	1235.2	1228.6	1169.1	1023.5	814.0	604.0	444.5	325.1	268.9	252.3	252.3
15°	1280.8	1266.3	1162.4	930.7	641.8	392.8	248.4	187.8	170.6	166.1	166.1
17.5°	1327.5	1299.7	1136.3	804.0	443.4	232.3	165.6	153.9	151.7	152.2	152.8
20°	1371.4	1328.0	1090.2	651.8	282.8	162.3	148.4	145.6	144.5	145.6	145.0
22.5°	1419.1	1354.1	1020.2	485.6	183.9	146.1	141.1	138.9	137.8	139.5	139.5
25°	1466.4	1373.0	927.4	326.7	146.1	136.1	133.4	131.1	130.0	130.6	130.6
27.5°	1490.8	1365.8	805.7	208.4	131.1	126.1	123.4	120.6	118.9	118.4	118.9
30°	1507.5	1343.6	656.8	148.4	118.9	112.8	110.0	107.8	103.4	100.6	101.7
32.5°	1533.6	1321.3	495.1	124.5	108.9	99.5	95.0	89.5	83.3	80.6	80.6
35°	1564.7	1290.8	347.3	112.2	98.4	88.3	80.0	70.6	63.3	61.1	61.1
37.5°	1605.8	1261.9	231.2	103.9	89.5	78.9	67.2	56.1	48.3	47.2	46.7
40°	1667.5	1237.4	162.8	97.8	81.7	68.9	55.0	43.3	37.8	36.1	36.1
42.5°	1747.5	1212.4	128.9	91.7	75.0	59.5	43.9	34.5	30.0	28.9	28.3
45°	1846.4	1183.0	112.2	86.1	68.3	49.5	35.0	28.9	25.6	24.4	24.4
47.5°	1953.7	1143.0	104.5	78.9	60.6	40.0	29.4	25.0	23.3	22.8	22.2
50°	2059.3	1089.1	97.8	72.2	51.7	32.8	25.6	22.8	21.7	21.1	21.1
52.5°	2151.5	1026.3	89.5	64.5	42.2	28.3	22.8	21.1	20.0	18.9	18.3
55°	2230.4	957.9	78.9	55.6	34.5	25.0	21.1	19.4	18.3	17.2	16.7
57.5°	2332.1	919.1	63.3	45.0	28.3	22.2	19.4	17.8	16.7	15.0	15.0
60°	2444.9	890.7	47.2	35.6	24.4	20.6	17.8	16.1	15.0	13.3	13.3
62.5°	2535.5	848.5	37.2	28.9	21.1	18.3	16.1	14.4	13.3	11.7	11.7
65°	2569.9	761.2	30.6	22.8	17.2	16.1	14.4	13.3	11.7	10.0	10.0
67.5°	2414.3	586.8	25.6	18.3	14.4	13.9	12.8	12.2	10.0	8.9	8.3
70°	1912.0	357.8	21.1	15.0	12.2	11.7	11.7	10.6	8.9	8.3	7.8
72.5°	1310.2	184.5	17.2	12.2	10.6	10.6	10.0	9.4	8.3	7.8	7.8
75°	680.7	61.7	13.3	9.4	8.3	8.9	8.9	8.3	7.8	7.8	7.2
77.5°	195.0	27.8	10.0	7.2	6.7	6.7	7.2	7.2	7.2	6.7	6.7
80°	50.6	16.1	7.2	5.6	5.6	5.6	5.6	6.1	6.7	6.1	6.1
82.5°	20.6	8.9	5.0	4.4	4.4	4.4	4.4	5.0	5.6	5.6	5.6
85°	12.8	4.4	3.9	3.9	3.9	3.3	3.3	3.9	3.9	4.4	4.4
87.5°	7.8	3.3	3.3	3.3	3.3	2.8	2.8	2.8	2.8	2.8	2.8
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)