

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: P629887

Luminaire Tested: GWS-SA1C-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4334.3 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

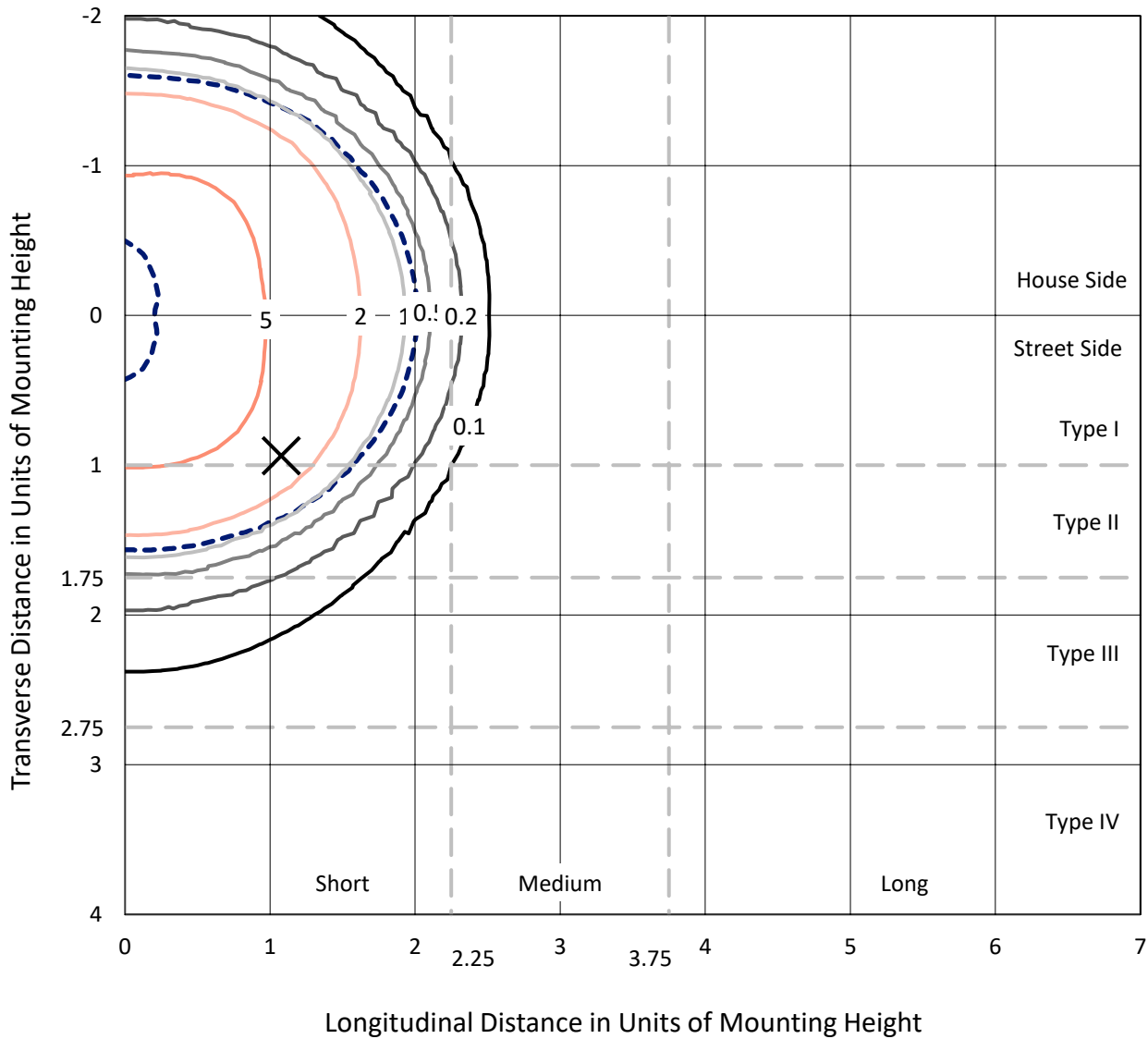
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

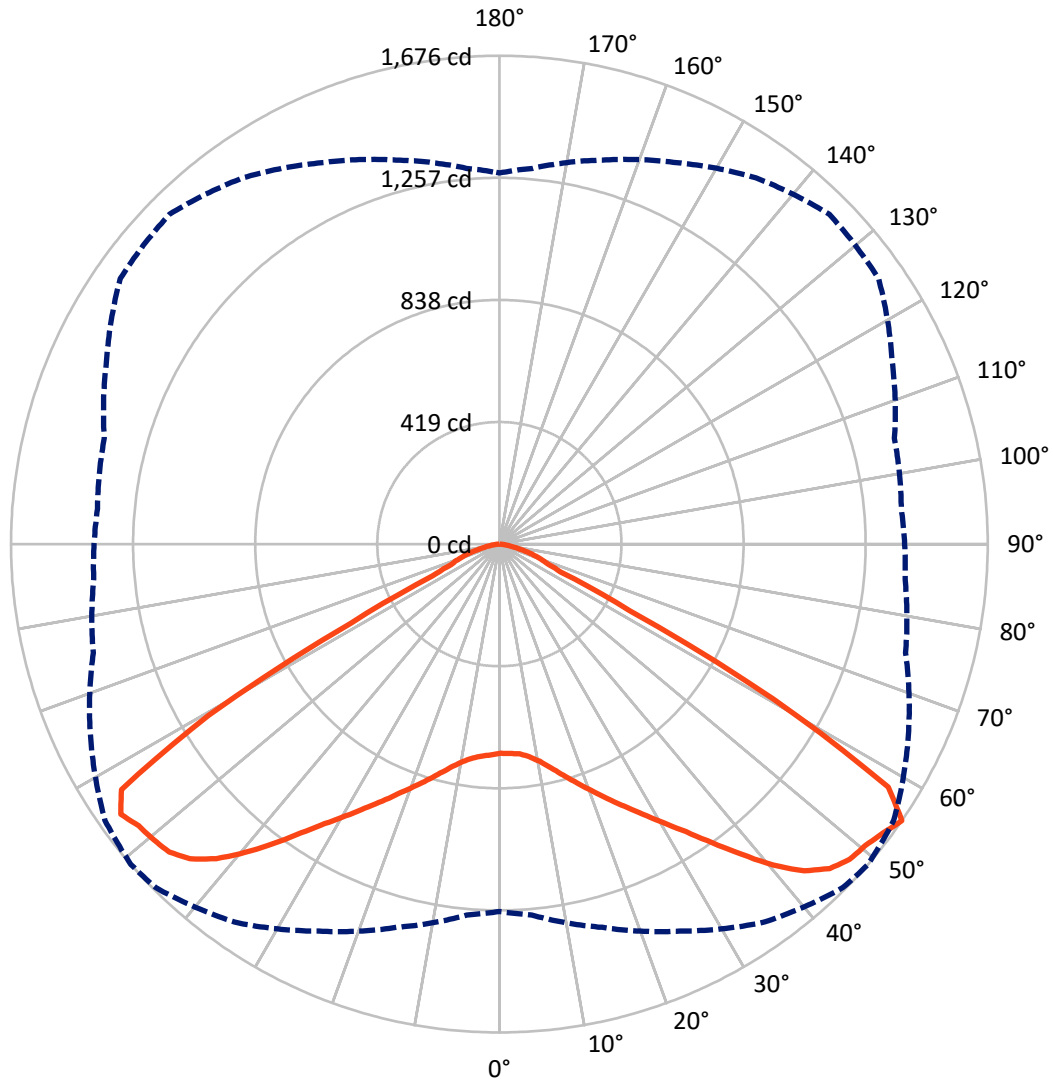
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2145.9	0.0	2145.9
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2188.4	0.0	2188.4
	% Fixture	50.5	0.0	50.5
Total	Lumens	4334.3	0.0	4334.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	1.6
10°-20°	231.0	5.3
20°-30°	440.0	10.2
30°-40°	746.0	17.2
40°-50°	1122.6	25.9
50°-60°	1228.8	28.4
60°-70°	388.6	9.0
70°-80°	93.3	2.2
80°-90°	14.0	0.3
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°	4334.3	100.0
0°-180°	4334.3	100.0

Coefficient of Utilization



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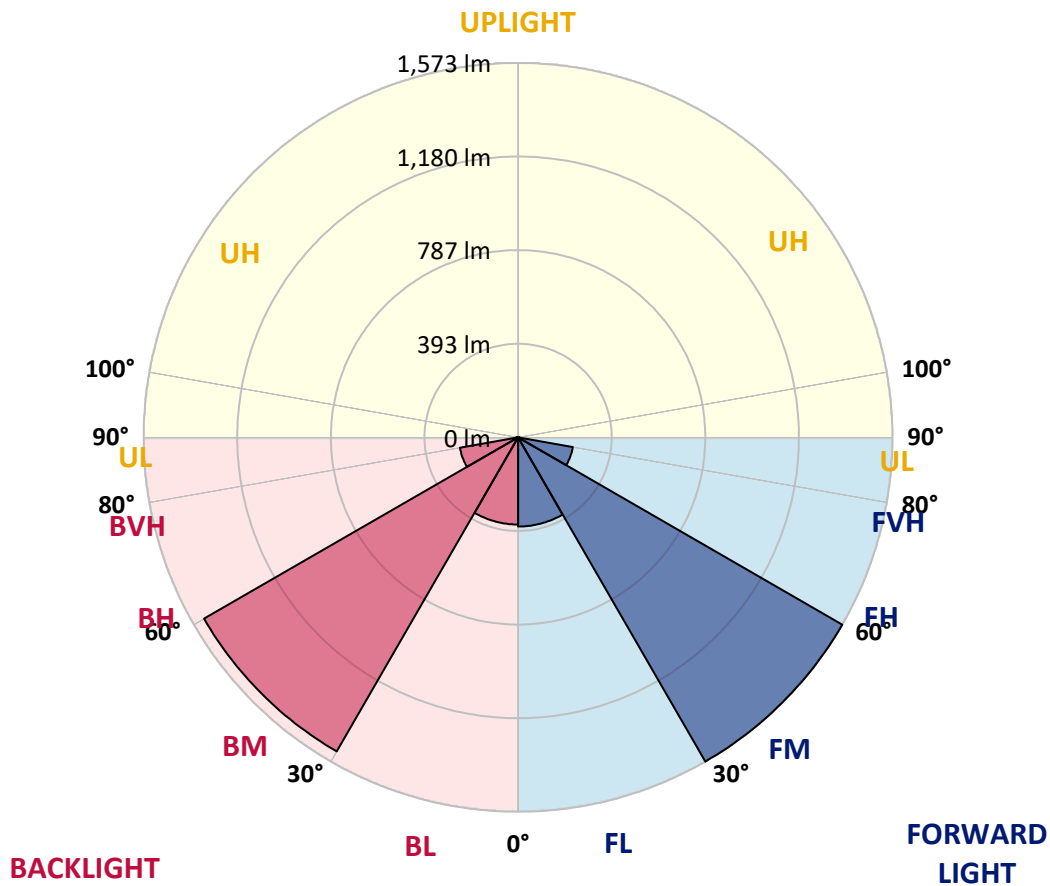
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.7	8.6			
FM (30°-60°)	1573.5	36.3			
FH (60°-80°)	233.7	5.4			G0/660
FVH (80°-90°)	6.5	0.1			G0/10
BL (0°-30°)	366.4	8.5	B1/500		
BM (30°-60°)	1523.9	35.2	B2/2500		
BH (60°-80°)	248.1	5.7	B1/500		G0/660
BVH (80°-90°)	7.5	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	707.4	708.1	709.5	712.0	714.5	718.0	719.4	721.2	720.8	722.9	722.9
5°	703.9	705.0	707.1	710.6	714.8	721.5	723.3	727.5	731.7	737.0	738.8
7.5°	708.1	709.5	712.0	717.7	724.0	732.8	736.3	743.4	751.5	761.0	764.9
10°	716.2	718.0	722.2	731.4	741.6	755.0	758.2	767.0	780.0	793.1	800.8
12.5°	725.4	728.2	736.0	750.4	765.6	783.2	788.1	799.1	813.2	830.1	840.7
15°	736.0	738.4	750.4	770.9	794.5	817.8	823.4	834.0	849.8	866.4	881.2
17.5°	758.2	762.4	776.5	800.1	827.6	855.1	861.5	873.4	886.1	899.2	913.3
20°	788.5	792.0	810.0	839.3	871.7	896.7	903.1	913.6	919.6	926.3	938.3
22.5°	818.8	823.7	844.2	878.7	916.8	943.9	948.9	958.7	954.5	952.4	960.2
25°	856.5	863.2	883.3	921.0	959.8	993.3	997.2	1005.6	998.6	987.7	987.3
27.5°	903.4	909.4	930.2	969.0	1007.4	1042.3	1049.7	1061.0	1045.5	1032.1	1022.5
30°	959.1	963.0	985.9	1027.1	1066.6	1099.7	1109.3	1120.5	1108.9	1086.7	1077.2
32.5°	1024.0	1029.2	1055.7	1099.0	1134.3	1167.4	1176.9	1191.0	1178.3	1153.3	1141.3
35°	1101.9	1107.1	1135.0	1182.2	1218.2	1252.4	1259.1	1270.7	1254.8	1225.9	1216.4
37.5°	1186.4	1193.1	1228.4	1273.2	1310.9	1350.7	1351.1	1354.6	1332.0	1296.1	1285.5
40°	1281.6	1290.4	1325.7	1372.2	1417.7	1450.1	1449.8	1439.9	1401.8	1346.1	1329.9
42.5°	1375.7	1382.8	1418.4	1466.3	1511.8	1542.5	1533.3	1509.3	1454.3	1378.6	1357.1
45°	1443.8	1449.0	1486.4	1540.3	1586.5	1605.5	1589.0	1560.1	1485.7	1399.0	1367.3
47.5°	1475.8	1482.9	1520.6	1574.2	1626.3	1637.3	1617.5	1590.4	1504.0	1418.0	1375.4
50°	1458.6	1467.7	1510.4	1560.1	1618.9	1641.5	1627.4	1600.3	1523.4	1436.7	1389.8
52.5°	1413.8	1422.6	1476.5	1536.8	1603.4	1648.2	1647.8	1625.6	1545.6	1442.0	1390.5
55°	1260.8	1278.1	1362.0	1466.0	1584.4	1667.9	1676.4	1652.8	1549.2	1443.4	1397.9
57.5°	820.6	850.9	930.5	1065.9	1303.5	1517.1	1574.2	1579.8	1523.8	1437.4	1399.3
60°	342.6	366.9	430.0	519.9	716.2	970.4	1081.1	1192.1	1326.0	1374.7	1386.3
62.5°	212.9	215.0	221.4	241.8	307.4	431.4	502.6	606.6	805.8	975.3	1053.6
65°	192.1	193.2	194.6	193.2	196.3	211.5	230.5	266.8	347.9	432.1	532.2
67.5°	169.2	170.6	171.7	170.6	171.7	172.4	174.5	177.7	192.5	204.4	213.6
70°	136.8	138.9	140.6	139.9	144.2	144.2	146.3	148.7	156.1	165.0	171.3
72.5°	104.3	102.6	104.7	105.4	109.3	111.4	114.6	117.4	125.8	131.1	139.2
75°	67.7	65.9	69.1	70.8	76.1	79.0	81.8	84.6	90.6	94.1	101.9
77.5°	36.7	36.3	39.5	41.9	47.6	51.1	53.2	55.3	60.3	61.3	66.3
80°	21.1	21.1	23.3	25.0	28.6	32.4	34.5	36.3	39.8	40.9	43.0
82.5°	11.6	11.6	12.7	13.7	16.6	18.7	20.4	21.9	25.0	26.1	27.1
85°	5.6	5.3	6.0	6.7	7.8	8.8	9.9	10.6	13.0	13.7	15.2
87.5°	0.7	0.7	0.7	1.1	1.4	2.1	2.5	2.5	3.9	4.6	5.3
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°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	725.1	720.5	723.3	724.3	724.3	723.3	718.7	717.3	715.2	712.0	712.0
5°	741.3	737.7	738.4	736.7	732.5	727.2	718.7	714.5	711.0	707.1	706.7
7.5°	769.1	764.5	763.8	757.1	745.8	734.6	721.9	714.1	708.8	703.9	703.6
10°	805.4	801.2	795.9	782.5	765.9	749.4	732.1	721.5	713.8	706.7	706.4
12.5°	846.0	841.0	831.1	811.4	790.6	774.4	754.7	738.4	726.8	717.3	715.5
15°	890.0	883.0	866.0	842.8	822.3	805.1	783.9	760.7	743.0	727.9	726.1
17.5°	923.9	914.7	896.4	874.5	857.6	840.3	812.8	783.6	758.2	739.2	736.3
20°	947.1	939.7	918.9	902.7	892.8	877.7	845.6	812.5	783.9	759.9	758.5
22.5°	968.6	959.8	939.4	929.8	929.8	919.6	889.0	849.8	816.3	788.5	785.0
25°	992.9	983.4	967.9	966.9	971.8	967.2	930.2	888.3	849.1	817.8	812.1
27.5°	1026.8	1016.2	1007.0	1013.4	1020.4	1015.5	974.3	925.6	884.4	852.7	847.7
30°	1080.7	1067.7	1059.2	1067.0	1080.7	1066.3	1021.5	970.0	928.4	893.5	891.1
32.5°	1143.4	1128.6	1119.8	1132.2	1144.5	1121.9	1077.5	1028.2	984.5	947.8	943.6
35°	1218.9	1200.2	1187.2	1203.7	1216.4	1194.2	1150.1	1103.3	1054.6	1016.6	1010.9
37.5°	1285.8	1263.3	1254.5	1277.7	1294.7	1280.2	1232.3	1188.2	1135.0	1093.4	1090.9
40°	1334.5	1312.3	1305.9	1344.4	1374.0	1370.4	1327.4	1277.0	1227.0	1179.0	1174.5
42.5°	1355.6	1340.1	1341.5	1393.4	1439.2	1461.7	1423.3	1369.4	1321.1	1271.4	1268.2
45°	1360.2	1350.7	1362.0	1426.8	1487.1	1533.3	1500.5	1455.4	1400.8	1352.8	1351.4
47.5°	1365.2	1359.9	1377.1	1445.9	1517.4	1571.0	1552.7	1506.1	1450.8	1403.9	1400.4
50°	1376.8	1374.7	1394.1	1459.3	1531.9	1581.2	1560.4	1514.3	1457.5	1411.3	1402.9
52.5°	1380.3	1376.8	1404.6	1480.1	1555.8	1580.9	1536.1	1475.8	1418.7	1367.3	1358.5
55°	1391.2	1384.9	1403.9	1487.8	1589.0	1601.3	1534.7	1444.5	1364.8	1294.7	1273.9
57.5°	1394.1	1387.0	1399.3	1475.1	1553.0	1542.1	1348.9	1165.7	1015.5	937.6	946.4
60°	1378.9	1381.0	1359.9	1351.4	1245.7	1099.7	825.9	660.2	518.5	458.6	471.6
62.5°	1049.7	1058.5	986.2	857.6	659.5	522.7	345.8	268.6	227.4	216.8	218.5
65°	529.8	541.8	466.7	386.0	286.9	231.9	200.6	194.2	192.1	189.6	189.6
67.5°	209.7	213.3	210.4	197.0	183.3	178.4	176.9	176.2	173.8	172.4	172.7
70°	168.5	171.3	167.1	158.6	153.0	152.6	151.9	150.5	148.7	148.7	149.8
72.5°	137.5	140.3	134.3	129.0	124.8	121.6	119.8	118.8	116.3	116.3	117.4
75°	101.2	102.9	98.0	97.3	92.7	89.5	86.7	85.3	82.1	80.7	81.8
77.5°	67.3	67.0	64.5	64.5	62.7	58.9	55.7	52.5	48.3	45.5	46.2
80°	43.7	43.7	42.7	42.7	40.9	37.7	33.8	30.7	28.2	26.1	26.1
82.5°	27.8	27.5	27.1	26.8	26.1	22.9	20.1	18.0	16.2	14.8	15.2
85°	15.5	15.5	14.8	14.8	13.4	11.6	10.2	8.8	7.8	7.4	7.4
87.5°	5.3	5.3	4.9	4.9	4.2	3.2	2.5	2.1	1.8	1.4	1.8
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)