

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: P630777

Luminaire Tested: GWS-SA1E-735-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5888.7 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

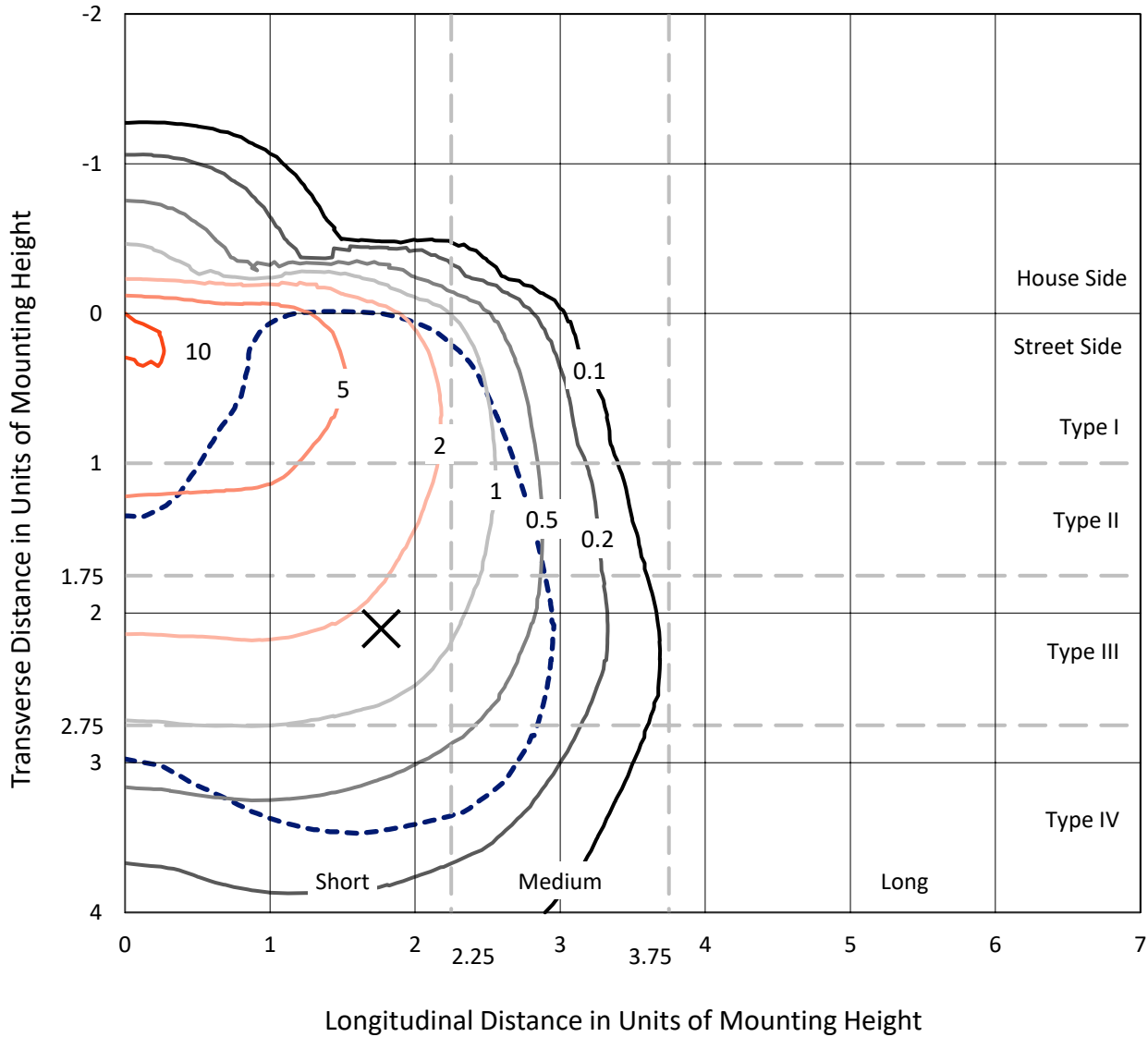
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

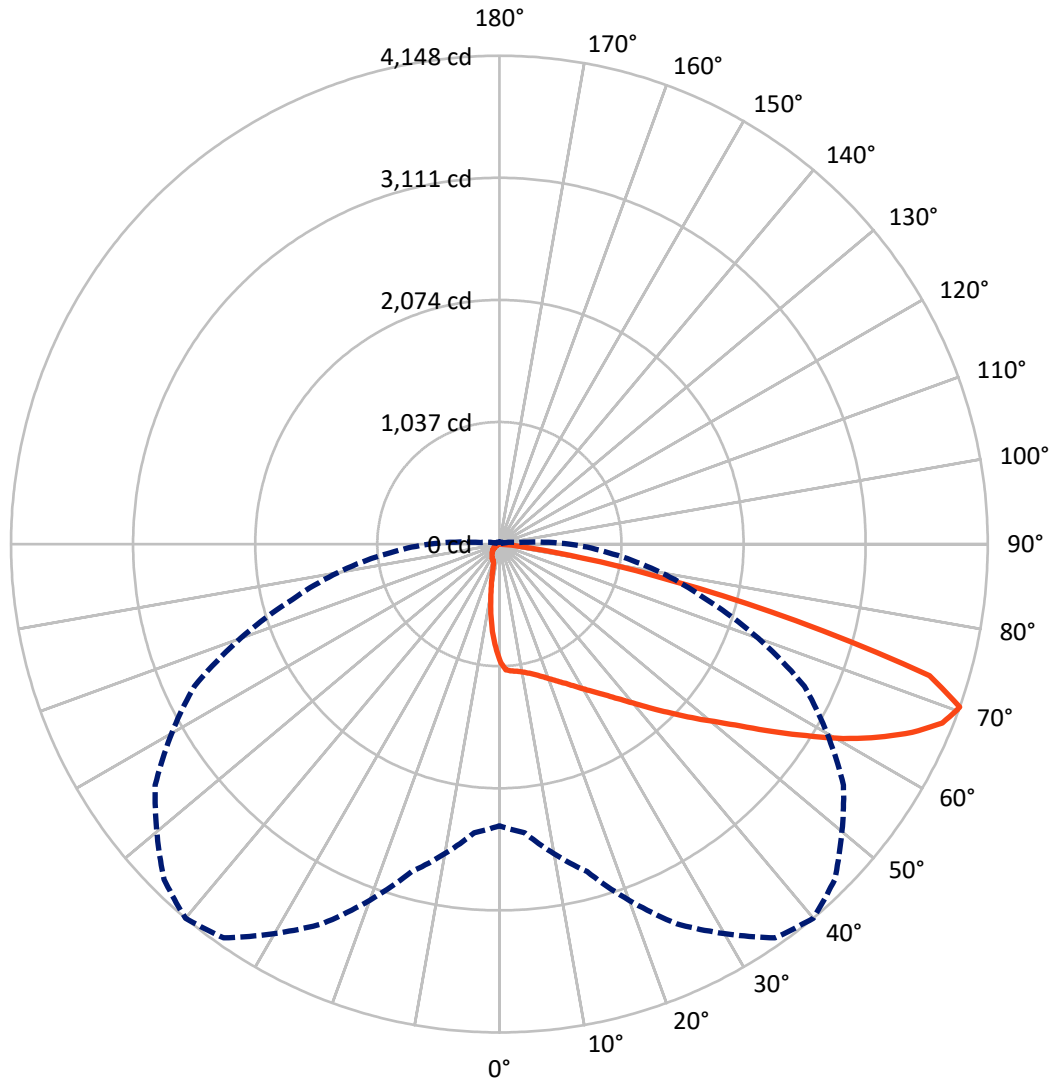
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	481.6	0.0	481.6
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	5407.2	0.0	5407.2
	% Fixture	91.8	0.0	91.8
Total	Lumens	5888.7	0.0	5888.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	1.4
10°-20°	214.2	3.6
20°-30°	358.5	6.1
30°-40°	563.1	9.6
40°-50°	890.6	15.1
50°-60°	1299.2	22.1
60°-70°	1610.6	27.4
70°-80°	814.9	13.8
80°-90°	53.2	0.9
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°	5888.7	100.0
0°-180°	5888.7	100.0

Coefficient of Utilization



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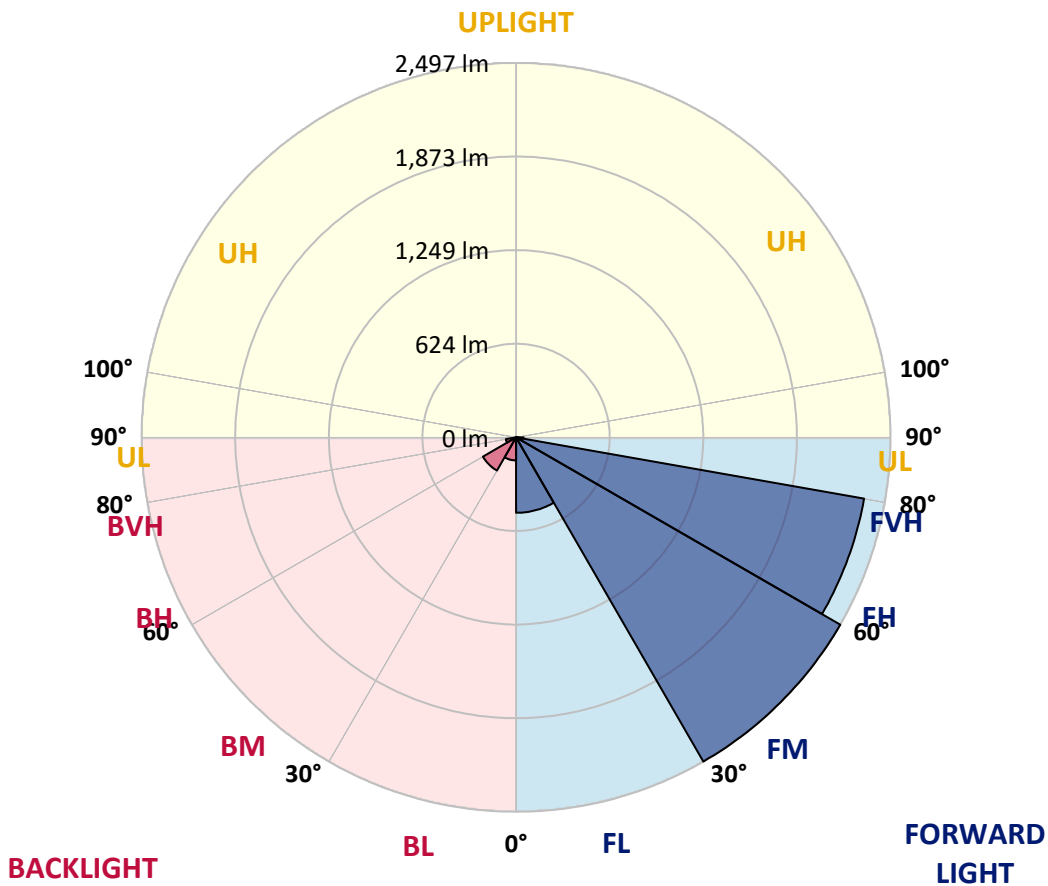
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.4	8.5			
FM (30°-60°)	2497.3	42.4			
FH (60°-80°)	2356.8	40.0			G2/5000
FVH (80°-90°)	49.7	0.8			G1/100
BL (0°-30°)	153.8	2.6	B1/500		
BM (30°-60°)	255.6	4.3	B1/1000		
BH (60°-80°)	68.7	1.2	B0/110		G0/110
BVH (80°-90°)	3.5	0.1			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	999.2	999.2	999.2	999.2	999.2	999.2	999.2	999.2	999.2	999.2	999.2
2.5°	1074.3	1078.0	1077.5	1079.1	1075.3	1069.4	1068.4	1060.3	1045.9	1027.6	1007.3
5°	1096.2	1100.5	1097.3	1095.7	1088.7	1082.3	1080.7	1072.1	1055.5	1030.9	995.5
7.5°	1115.0	1116.0	1113.9	1110.1	1100.0	1091.4	1085.5	1073.7	1053.9	1029.2	988.5
10°	1118.2	1117.7	1118.7	1119.3	1112.8	1105.3	1100.5	1084.4	1059.2	1033.0	989.1
12.5°	1114.4	1114.4	1121.4	1129.4	1129.4	1125.7	1120.9	1106.4	1076.9	1045.9	999.8
15°	1119.3	1120.9	1134.3	1149.3	1154.1	1150.3	1148.2	1133.2	1102.6	1068.4	1019.1
17.5°	1136.4	1138.0	1159.4	1181.9	1187.8	1183.6	1179.3	1164.3	1131.6	1094.1	1041.0
20°	1161.6	1165.9	1193.2	1222.1	1227.5	1222.1	1213.6	1192.7	1160.0	1121.9	1061.9
22.5°	1207.7	1210.3	1239.8	1270.3	1273.0	1264.5	1251.6	1222.7	1188.4	1151.4	1085.5
25°	1268.7	1272.5	1302.0	1331.4	1324.5	1311.6	1293.9	1261.2	1222.1	1186.2	1115.5
27.5°	1341.6	1345.9	1374.8	1400.5	1382.3	1367.3	1347.5	1306.8	1267.1	1234.5	1154.1
30°	1420.4	1424.1	1449.8	1472.9	1448.8	1431.1	1407.5	1365.7	1325.5	1300.9	1208.7
32.5°	1496.5	1495.9	1520.6	1539.3	1514.7	1500.7	1479.3	1437.0	1404.8	1394.1	1290.2
35°	1567.2	1567.2	1587.5	1606.3	1588.6	1581.1	1561.3	1527.5	1509.3	1522.2	1398.9
37.5°	1638.4	1634.7	1654.0	1674.9	1673.3	1673.8	1662.5	1646.5	1647.5	1693.1	1548.4
40°	1697.4	1695.8	1718.3	1745.6	1767.0	1784.2	1777.2	1783.1	1816.9	1902.0	1739.7
42.5°	1744.5	1748.3	1777.2	1820.6	1874.7	1909.5	1914.4	1938.5	2025.3	2157.1	1955.6
45°	1798.6	1799.2	1839.4	1905.8	1992.1	2047.2	2066.5	2128.7	2251.9	2421.8	2192.4
47.5°	1865.1	1858.6	1903.6	1996.9	2121.7	2203.2	2237.4	2315.1	2505.9	2680.0	2385.3
50°	1938.5	1926.7	1977.6	2104.6	2266.9	2368.7	2438.4	2552.0	2757.7	2892.2	2528.9
52.5°	2023.7	2012.4	2070.3	2228.3	2441.0	2564.8	2654.3	2768.9	2973.6	3054.0	2614.6
55°	2131.9	2120.6	2181.7	2376.7	2646.8	2807.5	2901.3	2997.7	3174.5	3173.5	2676.8
57.5°	2251.9	2236.4	2321.0	2564.3	2903.4	3070.6	3166.0	3213.1	3327.2	3266.2	2718.6
60°	2389.6	2375.7	2493.0	2787.7	3199.7	3354.6	3414.6	3395.3	3452.6	3320.8	2704.1
62.5°	2513.9	2507.5	2653.2	3024.5	3482.1	3612.8	3629.4	3545.3	3544.8	3321.9	2606.6
65°	2643.0	2655.4	2871.8	3297.2	3766.0	3853.9	3825.5	3694.2	3581.7	3190.6	2318.3
67.5°	2691.3	2727.2	3015.9	3543.7	3990.0	4058.6	4008.8	3768.7	3428.0	2749.1	1765.4
70°	2393.4	2460.9	2879.9	3557.6	4082.7	4148.1	4028.6	3568.3	2857.9	1821.1	967.1
72.5°	1820.1	1898.8	2399.8	2913.1	3671.7	3820.7	3616.6	2907.2	1842.0	797.8	324.7
75°	1018.5	1103.7	1787.4	2193.5	2465.2	2601.2	2526.2	1865.1	816.0	208.4	97.0
77.5°	344.5	372.9	831.5	1357.1	1627.2	1505.0	1274.1	926.4	300.0	79.3	51.4
80°	204.1	214.9	309.7	675.6	856.2	709.9	560.4	342.4	152.7	42.3	35.9
82.5°	61.1	72.3	170.9	250.7	335.4	209.0	176.8	195.6	79.3	23.0	30.0
85°	0.0	0.0	36.4	77.7	87.9	34.3	34.3	110.9	14.5	9.6	22.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.7	1.6	2.1	4.8
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°	999.2	999.2	999.2	999.2	999.2	999.2	999.2	999.2	999.2	999.2	999.2
2.5°	992.8	974.1	952.1	931.2	911.4	885.7	873.3	858.3	845.5	838.5	842.3
5°	973.0	943.5	898.5	853.0	806.9	763.5	724.4	698.1	674.6	662.2	664.9
7.5°	955.8	916.2	846.0	771.5	697.6	623.1	562.6	515.4	479.0	464.0	461.3
10°	948.3	898.5	799.4	692.2	578.6	478.5	392.7	340.8	303.8	285.6	288.8
12.5°	952.1	889.4	759.7	614.5	467.2	350.4	268.4	219.7	193.4	182.7	180.0
15°	962.8	887.3	724.4	535.3	360.6	244.9	185.4	165.6	160.2	159.1	159.1
17.5°	975.1	887.8	687.9	454.9	273.8	181.6	158.6	154.8	153.2	152.2	152.7
20°	987.5	887.8	646.2	373.4	205.7	157.0	151.1	148.4	146.8	146.3	146.3
22.5°	1002.5	887.8	599.5	297.9	165.0	148.9	144.1	142.5	140.9	140.4	139.8
25°	1020.7	888.3	548.1	233.1	150.0	142.0	138.2	136.6	135.0	133.9	133.9
27.5°	1046.9	892.6	491.3	181.6	141.4	135.6	132.3	130.7	129.1	127.5	127.5
30°	1085.0	903.3	427.6	150.0	133.4	128.6	125.4	124.3	122.7	121.1	120.6
32.5°	1141.8	922.1	361.7	134.5	125.9	121.1	117.3	116.3	114.7	113.1	112.5
35°	1221.1	956.4	297.4	124.8	116.3	111.4	109.3	108.8	106.6	105.0	105.0
37.5°	1337.3	1012.1	235.7	115.2	108.2	104.5	101.8	100.7	98.6	97.0	96.4
40°	1479.3	1084.4	183.2	107.7	100.7	97.0	94.3	92.7	90.0	87.9	86.8
42.5°	1660.4	1172.8	144.7	99.7	93.8	90.0	87.9	84.7	80.9	77.7	77.2
45°	1849.0	1263.9	119.5	92.2	87.3	84.1	81.4	77.2	71.8	68.0	67.0
47.5°	1993.7	1320.7	104.5	84.1	80.4	77.7	74.5	69.1	62.7	58.4	57.3
50°	2097.1	1329.3	93.2	76.6	74.5	71.8	67.0	60.5	53.6	49.3	48.2
52.5°	2148.0	1290.7	84.1	69.7	68.0	65.4	59.5	52.5	45.0	40.7	39.6
55°	2171.0	1217.8	75.5	63.8	61.6	58.4	52.0	44.5	37.0	33.2	32.1
57.5°	2161.9	1110.1	68.0	57.9	55.2	51.4	44.5	36.4	30.5	26.8	26.3
60°	2094.4	959.1	60.5	52.0	48.8	44.5	37.5	30.0	24.6	22.0	21.4
62.5°	1948.7	771.5	53.0	45.0	42.9	38.6	32.1	24.6	20.4	18.8	18.2
65°	1650.2	545.4	45.5	38.0	37.0	32.7	26.8	20.4	17.7	16.6	16.1
67.5°	1186.2	331.7	38.6	32.7	31.6	27.9	22.5	17.7	16.1	15.5	15.5
70°	596.3	157.0	30.5	26.8	26.8	23.0	19.3	16.1	15.5	15.0	15.0
72.5°	202.5	67.0	23.0	20.9	22.0	19.8	16.6	15.0	15.0	15.0	15.0
75°	69.1	35.4	16.1	15.0	16.1	16.1	14.5	14.5	15.0	15.0	15.0
77.5°	45.0	23.6	11.3	10.2	12.3	12.3	12.3	13.4	14.5	14.5	14.5
80°	37.0	12.9	7.5	7.0	9.1	9.1	10.2	12.3	13.4	13.4	13.4
82.5°	31.6	8.0	4.3	4.8	6.4	7.0	8.6	10.2	11.8	12.3	12.3
85°	21.4	4.3	3.2	3.8	4.3	5.4	7.0	8.6	9.6	10.7	10.7
87.5°	5.9	1.6	2.1	2.7	2.7	3.8	5.4	6.4	7.5	8.0	8.0
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)