

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: P630448

Luminaire Tested: GWS-SA1D-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5875.4 lumens
Efficiency: N/A
Efficacy: 132.6 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

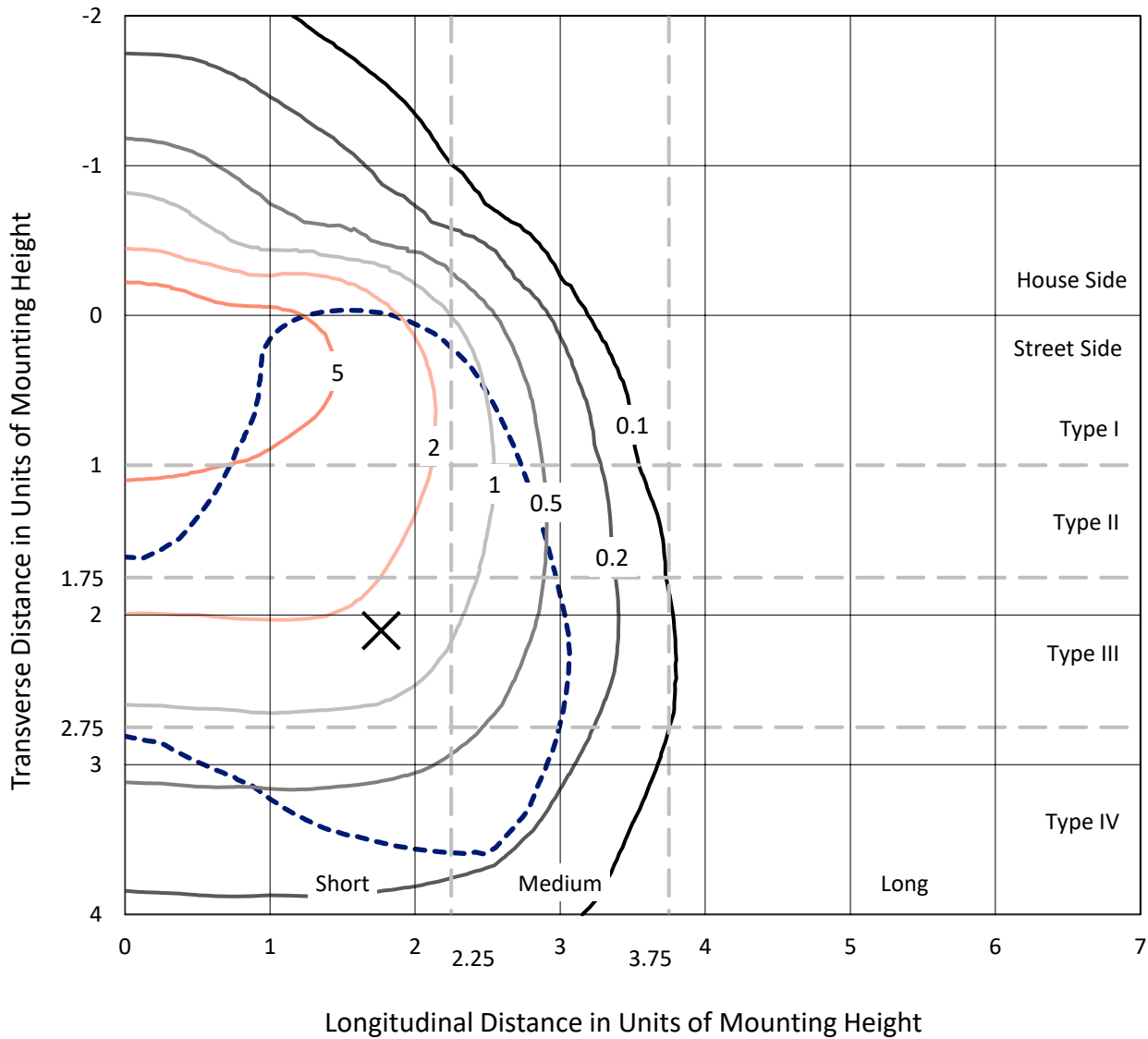
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630448
 CATALOG NUMBER: GWS-SA1D-760-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

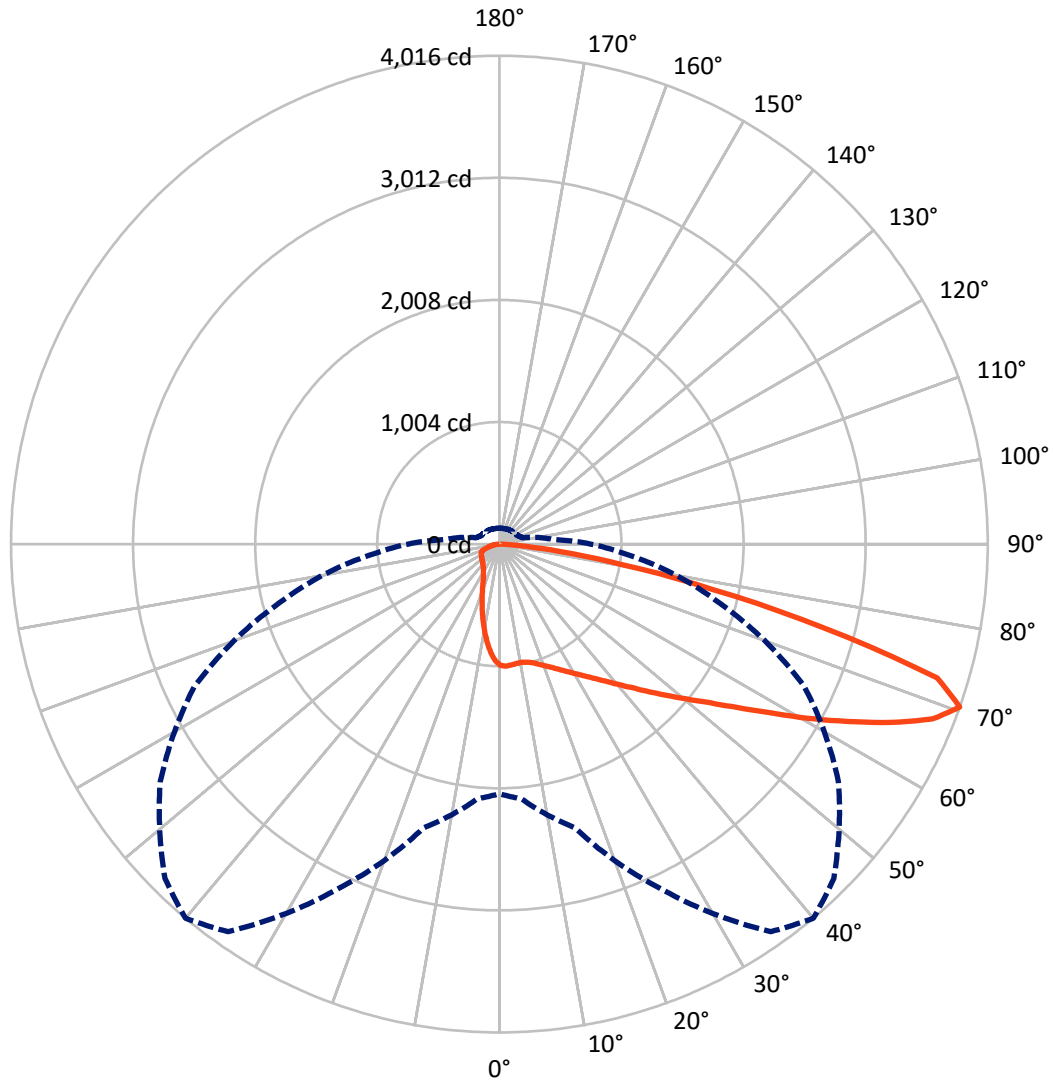
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P630448
CATALOG NUMBER: GWS-SA1D-760-U-SL4-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630448

CATALOG NUMBER: GWS-SA1D-760-U-SL4-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	905.0	0.0	905.0
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	4970.4	0.0	4970.4
	% Fixture	84.6	0.0	84.6
Total	Lumens	5875.4	0.0	5875.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	1.5
10°-20°	229.7	3.9
20°-30°	360.7	6.1
30°-40°	542.4	9.2
40°-50°	837.2	14.2
50°-60°	1243.3	21.2
60°-70°	1567.1	26.7
70°-80°	906.3	15.4
80°-90°	100.6	1.7
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°	5875.4	100.0
0°-180°	5875.4	100.0

Coefficient of Utilization



REPORT NUMBER: P630448

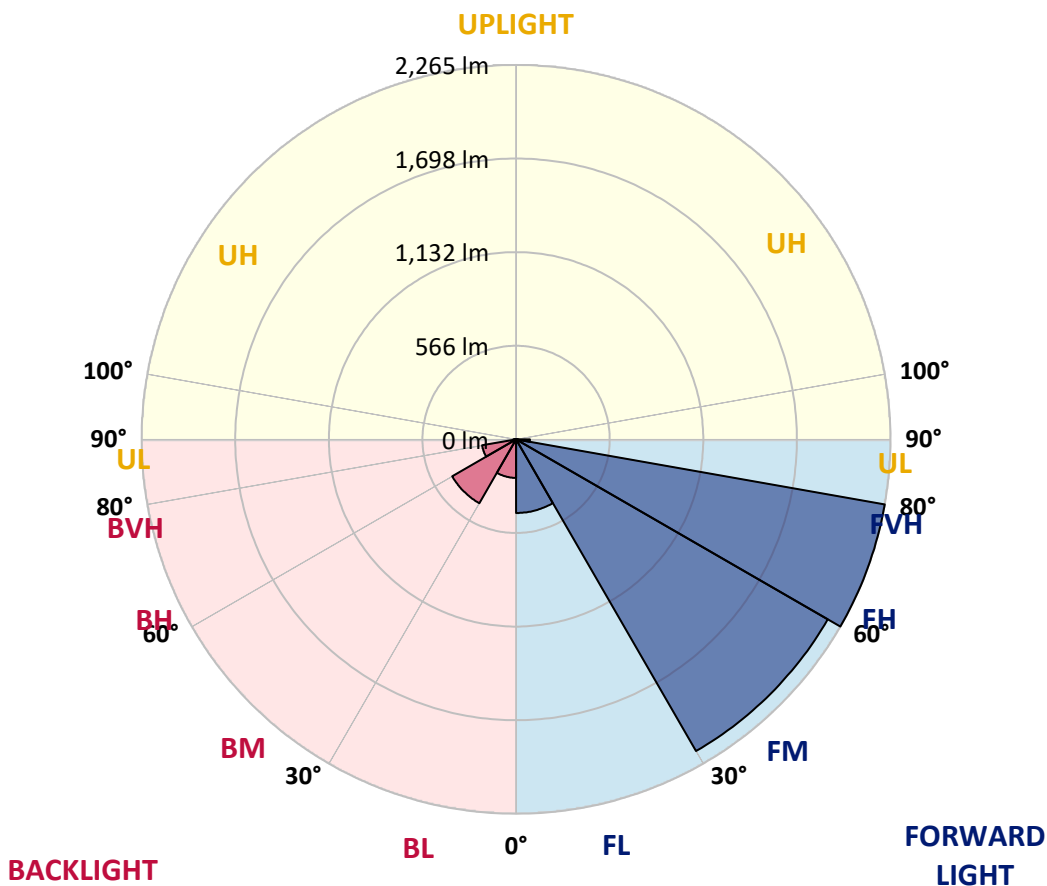
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.4	7.6			
FM (30°-60°)	2176.8	37.0			
FH (60°-80°)	2264.5	38.5			G2/5000
FVH (80°-90°)	83.8	1.4			G1/100
BL (0°-30°)	233.2	4.0	B1/500		
BM (30°-60°)	446.1	7.6	B1/1000		
BH (60°-80°)	208.9	3.6	B1/500		G1/500
BVH (80°-90°)	16.8	0.3			G1/100
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





REPORT NUMBER: P630448

CATALOG NUMBER: GWS-SA1D-760-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7
2.5°	1003.9	1005.6	1006.9	1008.7	1007.8	1005.2	1007.4	1007.4	1002.5	997.3	992.4
5°	1005.2	1007.4	1006.9	1006.5	1003.0	998.6	998.6	996.0	987.6	979.3	971.4
7.5°	1002.5	1002.1	1001.7	1000.3	996.4	991.6	990.7	985.4	974.5	963.1	951.7
10°	990.7	990.3	991.6	994.6	993.8	989.4	989.4	984.6	971.8	957.8	942.9
12.5°	981.0	981.0	986.3	994.6	997.7	996.0	996.4	992.9	978.4	961.7	944.2
15°	982.4	982.8	994.2	1007.8	1013.5	1012.2	1012.6	1008.7	992.4	975.8	952.1
17.5°	991.1	993.3	1013.1	1031.9	1039.4	1037.6	1034.5	1028.0	1009.6	990.7	961.7
20°	1009.6	1013.1	1038.5	1062.2	1070.9	1067.0	1061.7	1048.6	1028.4	1007.8	972.3
22.5°	1046.0	1048.1	1076.2	1099.5	1106.5	1101.6	1091.1	1072.3	1049.0	1027.5	985.0
25°	1097.3	1099.9	1126.6	1148.1	1146.4	1140.7	1126.2	1103.0	1075.3	1052.5	1003.4
27.5°	1158.2	1162.6	1188.9	1206.0	1194.6	1186.3	1170.1	1142.0	1110.9	1090.2	1031.5
30°	1224.9	1226.6	1249.0	1266.1	1248.6	1237.2	1217.4	1187.2	1159.1	1143.7	1073.6
32.5°	1289.3	1291.1	1310.4	1320.0	1301.6	1293.3	1276.2	1244.2	1224.4	1216.1	1136.3
35°	1357.3	1356.9	1372.7	1381.0	1362.1	1358.6	1341.1	1316.5	1313.0	1324.0	1228.0
37.5°	1425.3	1421.4	1429.7	1440.6	1430.1	1433.6	1422.2	1413.9	1427.5	1456.0	1349.9
40°	1479.7	1479.7	1488.5	1502.0	1505.6	1520.9	1514.3	1525.3	1569.1	1637.1	1500.7
42.5°	1527.9	1528.4	1546.8	1567.8	1593.3	1616.9	1622.2	1650.7	1741.5	1848.1	1690.2
45°	1578.4	1578.8	1603.8	1634.5	1688.4	1733.6	1744.1	1808.2	1938.0	2067.8	1895.9
47.5°	1636.7	1631.9	1666.5	1717.8	1794.6	1859.5	1886.7	1977.4	2141.5	2301.1	2089.7
50°	1702.5	1692.4	1731.0	1819.6	1914.3	2003.3	2048.9	2152.9	2359.9	2516.4	2272.1
52.5°	1776.6	1770.9	1811.2	1919.1	2063.8	2166.5	2228.3	2364.7	2572.1	2730.9	2416.9
55°	1868.7	1855.1	1913.4	2050.7	2239.3	2369.9	2443.2	2574.3	2804.1	2925.6	2527.4
57.5°	1969.5	1954.6	2032.7	2215.1	2467.3	2610.7	2702.4	2810.3	3022.5	3074.7	2592.3
60°	2078.3	2073.5	2166.0	2408.1	2739.2	2905.9	2972.1	3069.9	3212.4	3161.1	2576.1
62.5°	2177.9	2176.1	2310.7	2617.3	3027.3	3210.7	3263.3	3289.2	3349.2	3155.4	2447.1
65°	2282.7	2297.6	2479.6	2859.8	3357.6	3537.4	3559.3	3493.5	3395.3	3005.8	2183.1
67.5°	2295.8	2324.8	2585.7	3087.0	3670.7	3840.4	3822.9	3571.1	3259.3	2589.7	1711.2
70°	2053.3	2103.7	2416.4	3121.6	3891.3	4016.3	3889.5	3404.1	2766.0	1876.1	1076.2
72.5°	1715.6	1759.0	2035.3	2662.0	3606.7	3765.9	3594.4	2881.3	1954.6	1076.2	548.2
75°	1335.4	1385.8	1640.6	2116.0	2700.2	2763.8	2677.8	2009.5	1074.5	443.8	249.1
77.5°	814.8	851.2	1049.5	1433.6	1889.3	1794.1	1520.5	1126.6	471.4	212.7	153.9
80°	360.5	382.9	517.1	770.1	1091.6	1031.9	813.5	481.1	257.9	135.1	107.4
82.5°	193.4	207.9	254.8	304.8	479.3	501.3	406.5	277.2	138.6	77.2	61.4
85°	85.1	93.4	115.8	110.5	157.4	154.8	156.1	190.3	66.2	35.5	39.9
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	4.8	25.4	6.6	10.5	9.2
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: P630448
 CATALOG NUMBER: GWS-SA1D-760-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7
2.5°	987.2	979.3	977.1	974.5	969.6	961.3	955.2	948.2	945.1	941.6	942.0
5°	962.6	953.0	943.8	931.9	917.0	900.4	888.9	875.8	868.8	862.2	864.0
7.5°	941.6	926.7	907.8	882.8	856.1	826.2	802.1	783.3	770.5	761.8	766.2
10°	928.4	910.9	878.0	837.2	792.0	746.4	711.8	679.3	659.1	643.4	642.5
12.5°	925.8	903.0	855.2	796.0	730.6	669.7	618.8	574.9	548.2	528.5	535.9
15°	928.4	899.5	835.4	757.8	675.4	592.9	529.8	479.3	447.3	429.3	428.0
17.5°	931.5	896.0	813.1	716.6	617.5	523.2	450.0	396.5	363.6	345.6	346.0
20°	934.1	890.7	786.8	671.4	558.7	458.3	382.4	331.5	302.2	289.0	291.2
22.5°	938.5	885.4	758.7	623.2	498.6	395.6	328.9	287.7	270.1	261.4	261.8
25°	946.8	882.4	729.8	570.6	439.4	345.6	292.1	264.4	253.5	248.2	247.8
27.5°	963.9	885.0	699.5	519.7	385.9	307.4	268.4	250.4	243.0	239.5	239.0
30°	992.4	895.5	673.2	467.9	339.9	277.6	252.2	241.2	236.8	233.7	233.3
32.5°	1035.9	915.3	644.7	419.7	302.6	255.7	239.5	233.7	230.7	228.9	228.9
35°	1101.6	951.2	616.6	377.6	273.7	238.6	229.4	227.2	224.5	223.7	224.5
37.5°	1196.4	1008.7	591.2	340.8	253.0	225.4	218.4	219.3	217.1	218.4	219.7
40°	1316.5	1085.4	569.7	310.5	237.7	215.8	208.8	211.8	210.5	211.8	214.0
42.5°	1468.7	1180.6	553.5	286.8	226.7	207.9	201.3	204.4	203.5	205.2	207.4
45°	1638.4	1306.0	546.0	270.1	218.8	202.2	195.2	197.3	196.5	197.8	200.0
47.5°	1801.1	1420.0	552.6	260.5	212.3	197.3	189.9	190.8	190.3	189.9	191.2
50°	1941.5	1510.8	571.4	257.4	207.9	192.5	185.5	185.9	184.6	182.0	182.9
52.5°	2055.9	1583.6	582.8	257.4	205.7	187.3	180.7	181.1	178.5	175.0	175.4
55°	2131.4	1613.0	573.6	257.0	204.8	182.9	175.9	176.3	173.7	169.3	169.7
57.5°	2152.9	1584.5	535.0	252.2	203.9	179.4	171.0	171.9	170.2	165.3	165.3
60°	2092.8	1480.1	464.4	241.2	201.7	177.2	167.5	168.8	168.0	163.1	163.1
62.5°	1935.3	1294.6	380.2	224.5	195.6	174.5	164.5	167.1	169.3	166.7	166.2
65°	1640.6	1037.2	309.2	206.1	187.7	170.2	160.1	166.7	171.5	175.0	175.0
67.5°	1231.0	742.5	252.2	186.8	175.9	161.4	154.4	160.5	164.0	166.2	167.5
70°	750.4	436.8	198.7	164.5	158.8	148.2	143.0	136.8	132.0	131.1	131.6
72.5°	367.1	250.0	161.4	139.9	135.5	125.9	114.0	111.4	109.2	107.9	107.4
75°	202.2	174.1	133.3	116.2	108.3	96.5	93.9	89.5	88.6	86.8	87.3
77.5°	143.0	137.3	110.1	94.3	82.4	76.3	77.6	74.6	74.6	73.2	72.8
80°	107.4	107.9	84.6	68.9	61.0	58.8	60.1	60.1	59.2	58.8	58.3
82.5°	68.0	76.7	57.0	44.3	43.4	43.9	43.4	43.0	43.9	42.5	42.1
85°	46.9	55.3	34.6	26.3	26.3	25.9	26.8	26.3	27.2	25.9	25.9
87.5°	10.5	24.6	12.7	7.9	8.3	7.9	8.3	8.8	9.6	10.1	10.1
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)