

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: P630393

Luminaire Tested: GWS-SA1D-750-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630393
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-750-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5957.1 lumens
Efficiency: N/A
Efficacy: 134.5 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

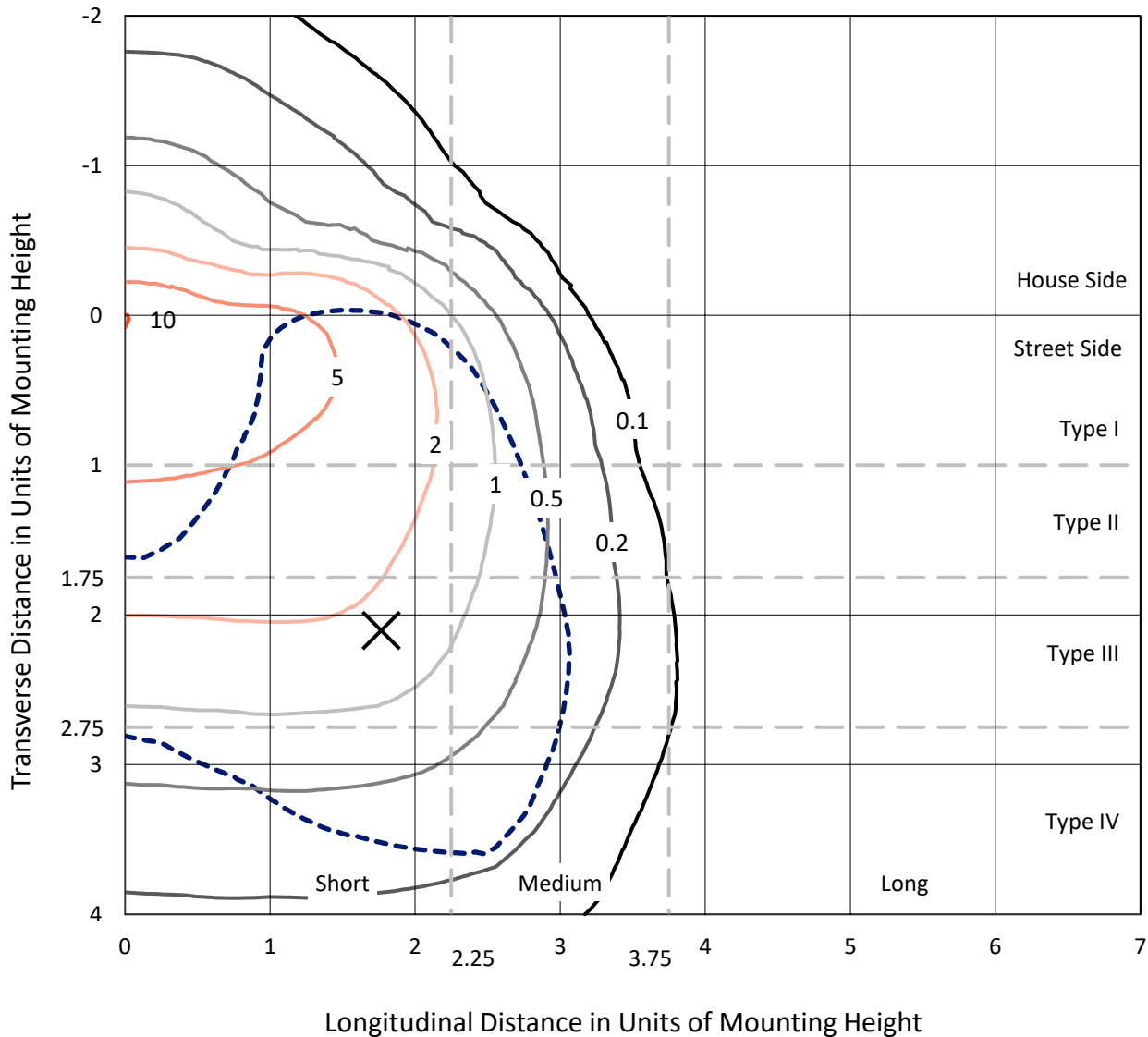
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

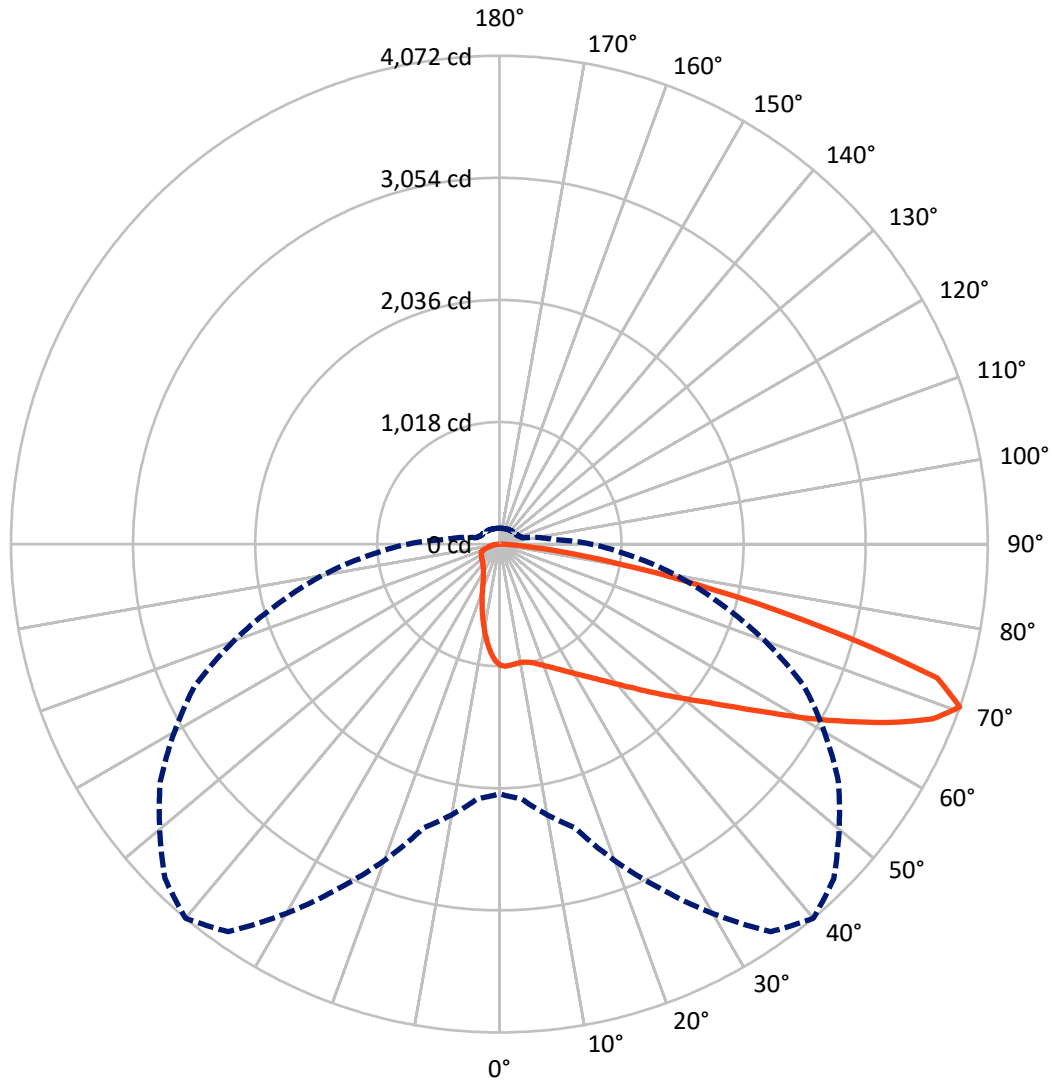
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 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	917.5	0.0	917.5
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	5039.6	0.0	5039.6
	% Fixture	84.6	0.0	84.6
Total	Lumens	5957.1	0.0	5957.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	1.5
10°-20°	232.9	3.9
20°-30°	365.8	6.1
30°-40°	549.9	9.2
40°-50°	848.8	14.2
50°-60°	1260.6	21.2
60°-70°	1588.9	26.7
70°-80°	918.9	15.4
80°-90°	102.0	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°	5957.1	100.0
0°-180°	5957.1	100.0

Coefficient of Utilization



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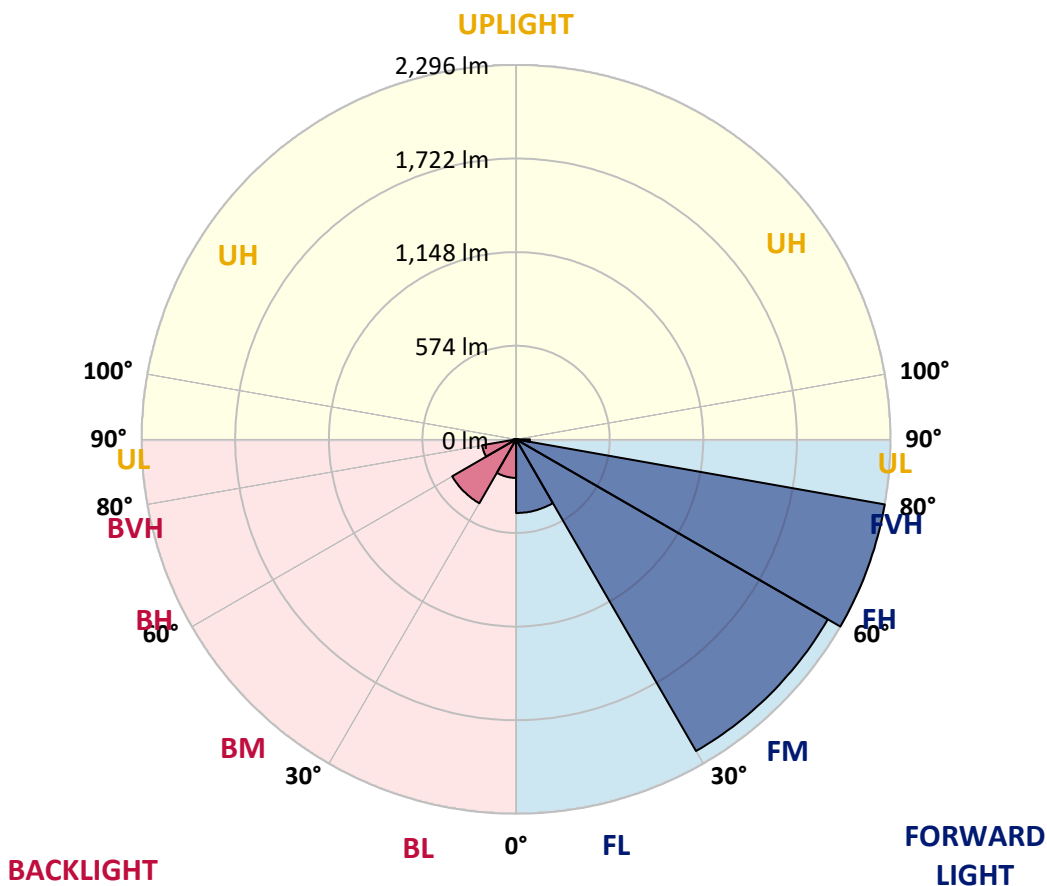
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.6	7.6			
FM (30°-60°)	2207.0	37.0			
FH (60°-80°)	2296.0	38.5			G2/5000
FVH (80°-90°)	84.9	1.4			G1/100
BL (0°-30°)	236.5	4.0	B1/500		
BM (30°-60°)	452.3	7.6	B1/1000		
BH (60°-80°)	211.8	3.6	B1/500		G1/500
BVH (80°-90°)	17.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6
2.5°	1017.8	1019.6	1020.9	1022.7	1021.8	1019.1	1021.4	1021.4	1016.5	1011.1	1006.2
5°	1019.1	1021.4	1020.9	1020.5	1016.9	1012.5	1012.5	1009.8	1001.4	992.9	984.9
7.5°	1016.5	1016.0	1015.6	1014.3	1010.2	1005.4	1004.5	999.1	988.0	976.5	964.9
10°	1004.5	1004.0	1005.4	1008.5	1007.6	1003.1	1003.1	998.2	985.3	971.1	956.0
12.5°	994.7	994.7	1000.0	1008.5	1011.6	1009.8	1010.2	1006.7	992.0	975.1	957.3
15°	996.0	996.5	1008.0	1021.8	1027.6	1026.3	1026.7	1022.7	1006.2	989.4	965.3
17.5°	1004.9	1007.1	1027.1	1046.3	1053.8	1052.0	1048.9	1042.3	1023.6	1004.5	975.1
20°	1023.6	1027.1	1052.9	1076.9	1085.8	1081.8	1076.5	1063.2	1042.7	1021.8	985.8
22.5°	1060.5	1062.7	1091.2	1114.7	1121.9	1117.0	1106.3	1087.2	1063.6	1041.8	998.7
25°	1112.5	1115.2	1142.3	1164.1	1162.3	1156.5	1141.9	1118.3	1090.3	1067.2	1017.4
27.5°	1174.3	1178.8	1205.5	1222.8	1211.2	1202.8	1186.3	1157.9	1126.3	1105.4	1045.8
30°	1241.9	1243.7	1266.4	1283.7	1265.9	1254.4	1234.4	1203.7	1175.2	1159.7	1088.5
32.5°	1307.3	1309.1	1328.6	1338.4	1319.7	1311.3	1293.9	1261.5	1241.5	1233.0	1152.1
35°	1376.2	1375.8	1391.8	1400.2	1381.1	1377.5	1359.7	1334.8	1331.3	1342.4	1245.0
37.5°	1445.1	1441.1	1449.6	1460.7	1450.0	1453.6	1442.0	1433.6	1447.3	1476.2	1368.6
40°	1500.3	1500.3	1509.1	1522.9	1526.5	1542.1	1535.4	1546.5	1591.0	1659.9	1521.6
42.5°	1549.2	1549.6	1568.3	1589.6	1615.4	1639.4	1644.8	1673.7	1765.7	1873.8	1713.7
45°	1600.3	1600.7	1626.1	1657.2	1711.9	1757.7	1768.4	1833.3	1964.9	2096.5	1922.2
47.5°	1659.4	1654.6	1689.7	1741.7	1819.5	1885.3	1912.9	2004.9	2171.2	2333.1	2118.8
50°	1726.1	1715.9	1755.0	1844.9	1940.9	2031.2	2077.4	2182.8	2392.7	2551.4	2303.7
52.5°	1801.3	1795.5	1836.4	1945.8	2092.5	2196.6	2259.3	2397.6	2607.9	2768.8	2450.5
55°	1894.7	1880.9	1940.0	2079.2	2270.4	2402.9	2477.2	2610.1	2843.1	2966.3	2562.5
57.5°	1996.9	1981.8	2061.0	2245.9	2501.6	2647.0	2739.9	2849.3	3064.5	3117.5	2628.3
60°	2107.2	2102.3	2196.1	2441.6	2777.3	2946.3	3013.4	3112.6	3257.1	3205.1	2611.9
62.5°	2208.1	2206.4	2342.9	2653.7	3069.4	3255.3	3308.7	3334.9	3395.8	3199.3	2481.2
65°	2314.4	2329.5	2514.1	2899.6	3404.3	3586.6	3608.8	3542.1	3442.5	3047.6	2213.5
67.5°	2327.8	2357.1	2621.7	3129.9	3721.7	3893.8	3876.0	3620.8	3304.7	2625.7	1735.0
70°	2081.9	2133.0	2450.0	3165.0	3945.4	4072.1	3943.6	3451.4	2804.4	1902.2	1091.2
72.5°	1739.5	1783.5	2063.6	2699.0	3656.8	3818.2	3644.4	2921.4	1981.8	1091.2	555.8
75°	1354.0	1405.1	1663.4	2145.4	2737.7	2802.2	2715.0	2037.4	1089.4	450.0	252.6
77.5°	826.2	863.1	1064.1	1453.6	1915.6	1819.1	1541.6	1142.3	478.0	215.7	156.1
80°	365.5	388.2	524.2	780.8	1106.7	1046.3	824.8	487.8	261.5	137.0	108.9
82.5°	196.1	210.8	258.3	309.0	486.0	508.2	412.2	281.0	140.5	78.3	62.3
85°	86.3	94.7	117.4	112.1	159.6	157.0	158.3	193.0	67.1	36.0	40.5
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	4.9	25.8	6.7	10.7	9.3
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°	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6
2.5°	1000.9	992.9	990.7	988.0	983.1	974.7	968.5	961.3	958.2	954.7	955.1
5°	976.0	966.2	956.9	944.9	929.8	912.9	901.3	888.0	880.9	874.2	876.0
7.5°	954.7	939.6	920.4	895.1	868.0	837.7	813.3	794.1	781.3	772.4	776.8
10°	941.3	923.5	890.2	848.8	803.0	756.8	721.7	688.8	668.3	652.3	651.4
12.5°	938.7	915.5	867.1	807.0	740.8	679.0	627.4	582.9	555.8	535.8	543.4
15°	941.3	912.0	847.1	768.4	684.8	601.2	537.1	486.0	453.5	435.3	434.0
17.5°	944.4	908.4	824.4	726.6	626.1	530.5	456.2	402.0	368.6	350.4	350.8
20°	947.1	903.1	797.7	680.8	566.5	464.7	387.7	336.2	306.4	293.0	295.2
22.5°	951.6	897.8	769.2	631.9	505.6	401.1	333.5	291.7	273.9	265.0	265.5
25°	960.0	894.6	739.9	578.5	445.5	350.4	296.1	268.1	257.0	251.7	251.2
27.5°	977.3	897.3	709.2	526.9	391.3	311.7	272.1	253.9	246.3	242.8	242.3
30°	1006.2	908.0	682.5	474.4	344.6	281.5	255.7	244.6	240.1	237.0	236.6
32.5°	1050.3	928.0	653.6	425.5	306.8	259.2	242.8	237.0	233.9	232.1	232.1
35°	1117.0	964.5	625.2	382.8	277.5	241.9	232.6	230.3	227.7	226.8	227.7
37.5°	1213.0	1022.7	599.4	345.5	256.6	228.6	221.4	222.3	220.1	221.4	222.8
40°	1334.8	1100.5	577.6	314.8	241.0	218.8	211.7	214.8	213.4	214.8	217.0
42.5°	1489.1	1197.0	561.2	290.8	229.9	210.8	204.1	207.2	206.3	208.1	210.3
45°	1661.2	1324.2	553.6	273.9	221.9	205.0	197.9	200.1	199.2	200.5	202.8
47.5°	1826.2	1439.8	560.3	264.1	215.2	200.1	192.5	193.4	193.0	192.5	193.9
50°	1968.5	1531.8	579.4	261.0	210.8	195.2	188.1	188.5	187.2	184.5	185.4
52.5°	2084.5	1605.6	590.9	261.0	208.5	189.9	183.2	183.6	181.0	177.4	177.9
55°	2161.0	1635.4	581.6	260.6	207.7	185.4	178.3	178.8	176.1	171.6	172.1
57.5°	2182.8	1606.5	542.5	255.7	206.8	181.9	173.4	174.3	172.5	167.6	167.6
60°	2121.9	1500.7	470.9	244.6	204.5	179.6	169.9	171.2	170.3	165.4	165.4
62.5°	1962.3	1312.6	385.5	227.7	198.3	177.0	166.7	169.4	171.6	169.0	168.5
65°	1663.4	1051.6	313.5	209.0	190.3	172.5	162.3	169.0	173.9	177.4	177.4
67.5°	1248.1	752.8	255.7	189.4	178.3	163.6	156.5	162.7	166.3	168.5	169.9
70°	760.8	442.9	201.4	166.7	161.0	150.3	145.0	138.7	133.8	133.0	133.4
72.5°	372.2	253.5	163.6	141.8	137.4	127.6	115.6	112.9	110.7	109.4	108.9
75°	205.0	176.5	135.2	117.8	109.8	97.8	95.2	90.7	89.8	88.0	88.5
77.5°	145.0	139.2	111.6	95.6	83.6	77.4	78.7	75.6	75.6	74.3	73.8
80°	108.9	109.4	85.8	69.8	61.8	59.6	60.9	60.9	60.0	59.6	59.1
82.5°	68.9	77.8	57.8	44.9	44.0	44.5	44.0	43.6	44.5	43.1	42.7
85°	47.6	56.0	35.1	26.7	26.7	26.2	27.1	26.7	27.6	26.2	26.2
87.5°	10.7	24.9	12.9	8.0	8.4	8.0	8.4	8.9	9.8	10.2	10.2
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)