

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: P630387

Luminaire Tested: GWS-SA1D-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6095.3 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - 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

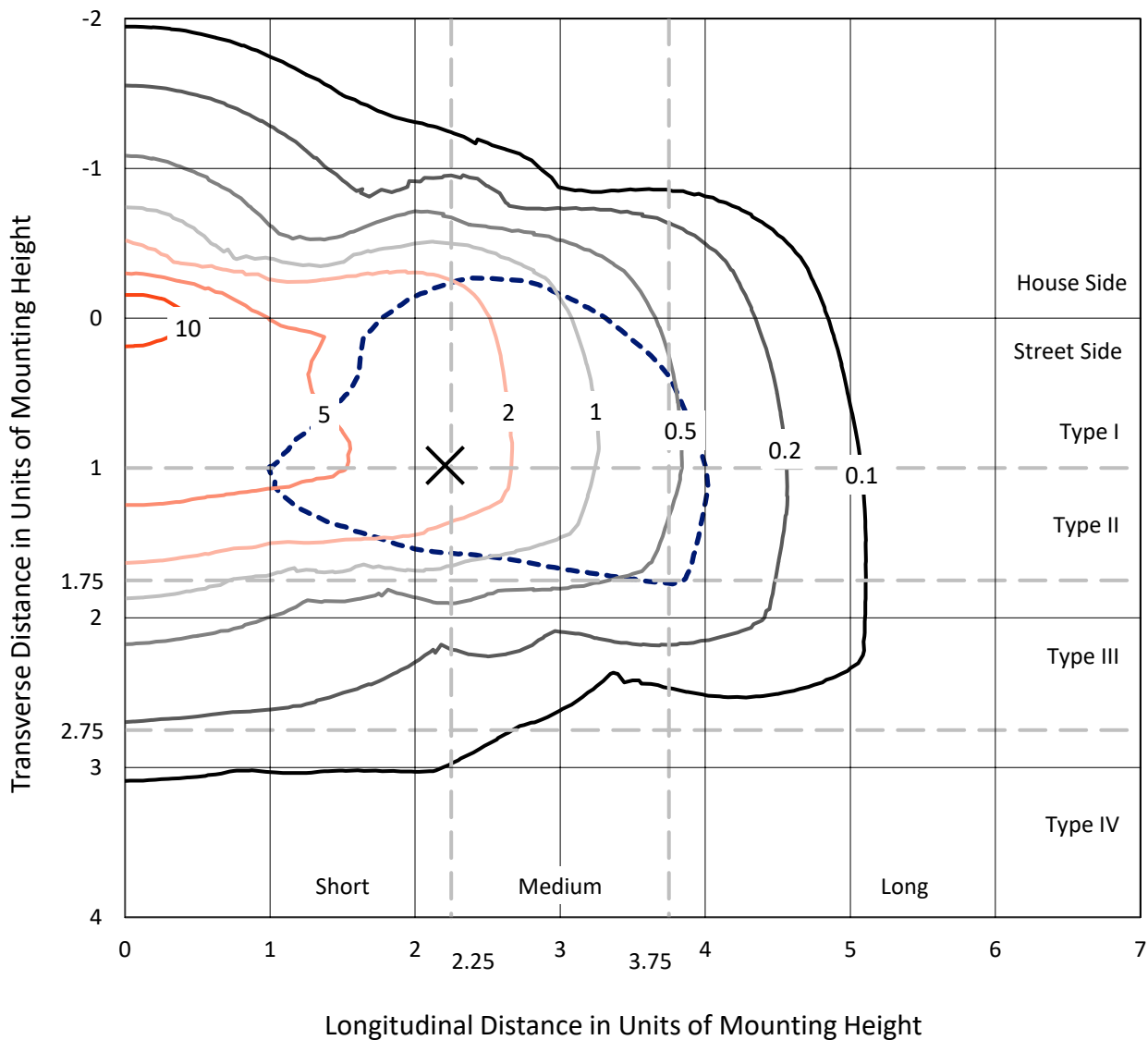


REPORT NUMBER: P630387

CATALOG NUMBER: GWS-SA1D-750-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

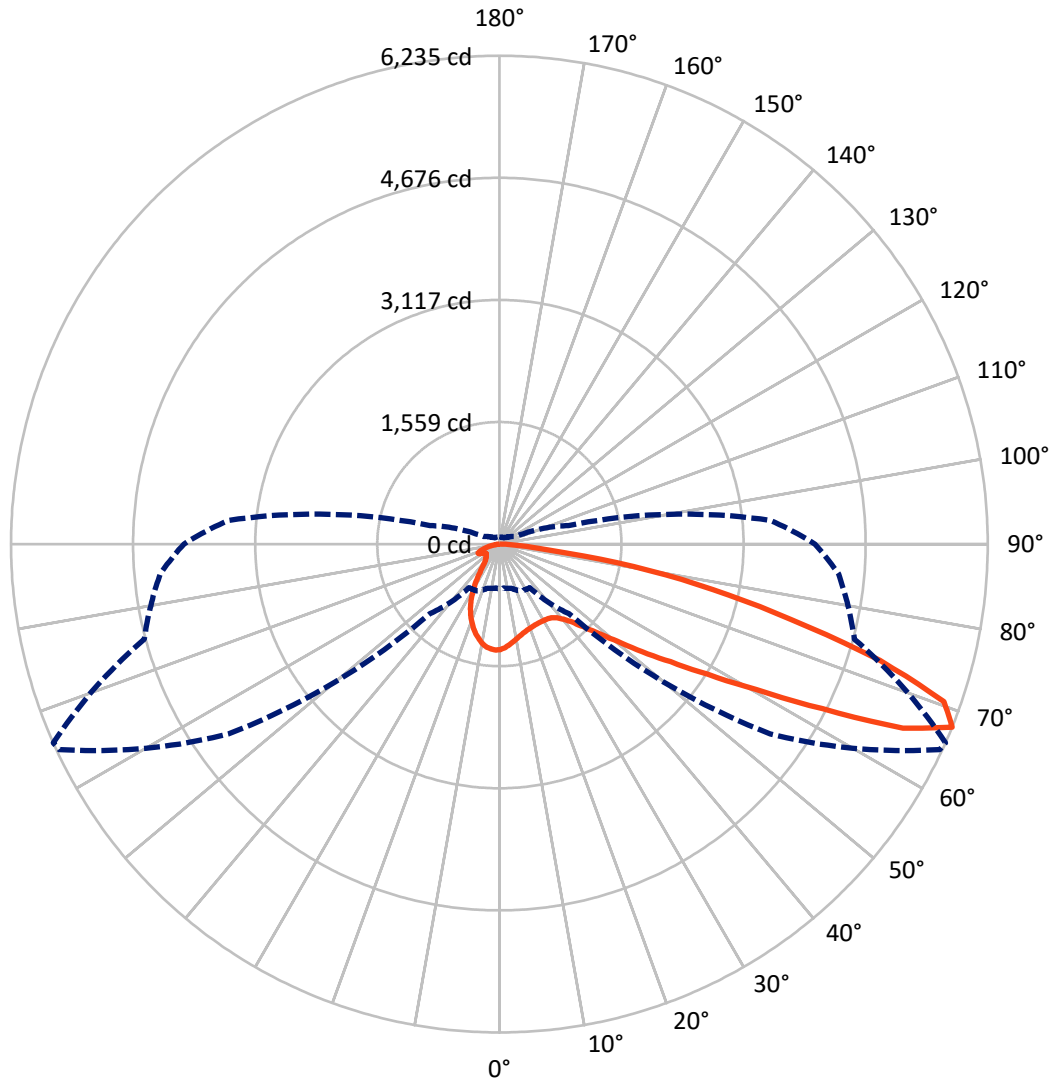
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Short - N/A

REPORT NUMBER: P630387
CATALOG NUMBER: GWS-SA1D-750-U-SL2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630387

CATALOG NUMBER: GWS-SA1D-750-U-SL2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1236.9	0.0	1236.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	4858.4	0.0	4858.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	6095.3	0.0	6095.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	1.9
10°-20°	290.5	4.8
20°-30°	399.3	6.6
30°-40°	545.9	9.0
40°-50°	827.2	13.6
50°-60°	1285.9	21.1
60°-70°	1565.6	25.7
70°-80°	953.7	15.6
80°-90°	108.9	1.8
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°	6095.3	100.0
0°-180°	6095.3	100.0

Coefficient of Utilization



REPORT NUMBER: P630387

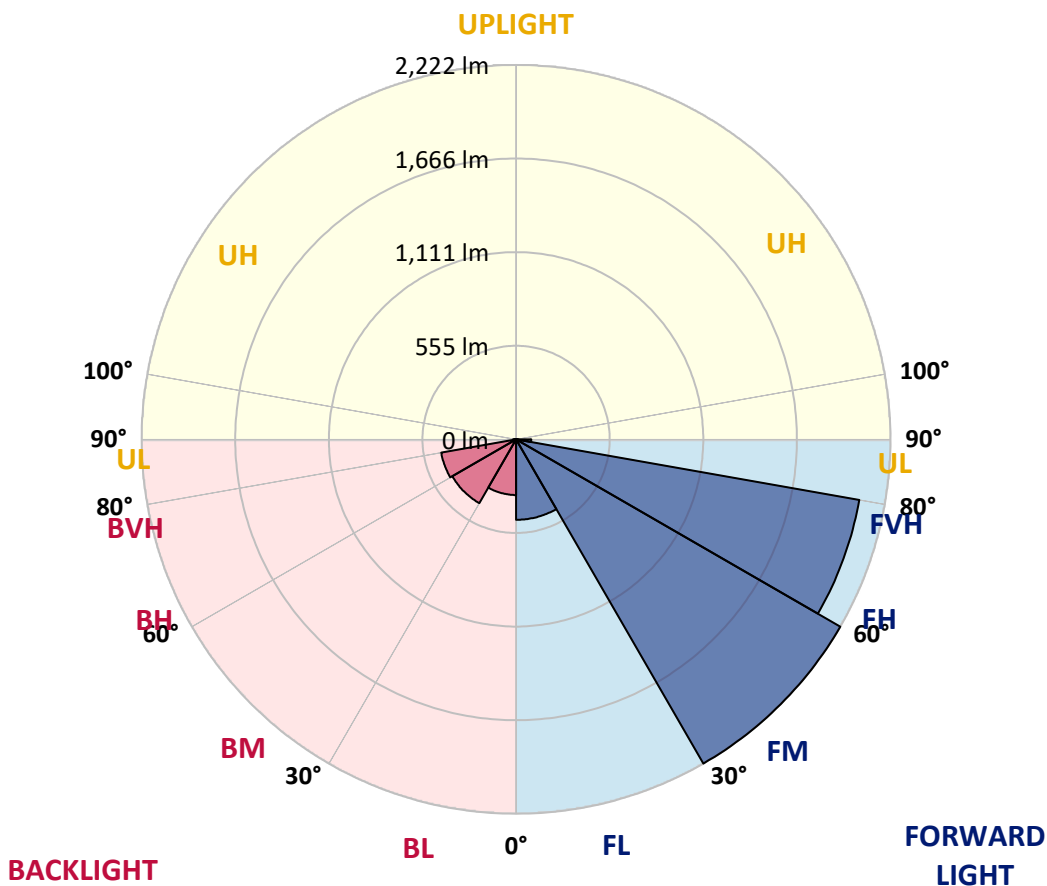
CATALOG NUMBER: GWS-SA1D-750-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	477.6	7.8			
FM (30°-60°)	2222.0	36.5			
FH (60°-80°)	2068.3	33.9			G2/5000
FVH (80°-90°)	90.6	1.5			G1/100
BL (0°-30°)	330.4	5.4	B1/500		
BM (30°-60°)	437.1	7.2	B1/1000		
BH (60°-80°)	451.0	7.4	B1/500		G1/500
BVH (80°-90°)	18.4	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 II Short





REPORT NUMBER: P630387
 CATALOG NUMBER: GWS-SA1D-750-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9
2.5°	1261.5	1266.0	1263.3	1280.2	1281.1	1302.4	1314.4	1324.7	1325.5	1338.9	1347.8
5°	1175.2	1177.9	1177.9	1193.9	1204.6	1233.1	1260.6	1290.0	1292.2	1324.2	1348.7
7.5°	1105.4	1108.1	1106.3	1127.7	1141.5	1173.0	1208.2	1253.1	1257.5	1309.1	1351.8
10°	1050.7	1049.9	1054.3	1073.9	1091.7	1129.4	1168.6	1219.7	1226.4	1291.7	1355.3
12.5°	1013.4	1014.3	1016.9	1037.4	1056.5	1093.9	1134.3	1189.9	1197.0	1271.7	1353.6
15°	995.6	993.8	996.0	1014.7	1033.0	1065.9	1107.7	1165.0	1172.1	1254.0	1354.0
17.5°	991.6	990.3	989.8	1003.2	1016.9	1047.6	1087.6	1145.9	1153.5	1242.4	1356.7
20°	1004.1	1002.3	997.4	1003.2	1008.9	1034.7	1073.4	1132.1	1140.6	1234.8	1362.0
22.5°	1038.3	1035.2	1027.6	1020.5	1012.9	1028.5	1064.5	1121.9	1130.3	1229.9	1367.3
25°	1090.3	1087.6	1079.6	1063.6	1036.1	1033.4	1062.7	1117.4	1125.9	1226.4	1369.6
27.5°	1161.9	1157.9	1149.9	1126.8	1081.9	1051.6	1069.4	1117.0	1125.0	1222.4	1367.3
30°	1246.8	1244.2	1239.7	1211.7	1151.7	1090.3	1084.5	1120.6	1126.8	1220.2	1362.9
32.5°	1333.1	1330.4	1334.0	1320.7	1246.8	1154.3	1117.4	1130.3	1134.8	1219.7	1358.9
35°	1409.1	1412.3	1438.0	1440.3	1367.8	1241.1	1169.5	1153.0	1153.9	1228.6	1360.7
37.5°	1488.7	1500.7	1534.5	1563.4	1503.0	1355.8	1246.8	1195.7	1194.8	1251.3	1371.8
40°	1594.1	1599.5	1642.6	1696.8	1659.0	1513.2	1356.7	1265.5	1259.3	1297.5	1401.6
42.5°	1696.8	1709.7	1778.7	1840.9	1828.5	1690.6	1495.0	1370.0	1358.9	1379.3	1462.9
45°	1827.6	1840.0	1917.4	1997.4	2020.1	1891.2	1671.9	1518.5	1507.4	1502.5	1575.4
47.5°	1958.3	1971.2	2040.6	2156.2	2235.8	2141.9	1902.3	1714.6	1696.4	1677.3	1745.3
50°	2046.3	2061.5	2127.7	2266.5	2453.2	2455.0	2175.3	1971.6	1948.5	1918.3	1984.5
52.5°	2043.2	2053.0	2116.2	2276.2	2609.7	2814.7	2540.8	2298.9	2280.2	2214.4	2272.2
55°	1882.7	1897.4	1961.0	2161.1	2626.6	3155.8	3078.0	2684.9	2651.5	2533.7	2597.3
57.5°	1560.3	1572.8	1636.8	1883.6	2476.8	3330.5	3760.1	3176.7	3130.9	2881.4	2954.8
60°	1177.9	1162.8	1193.0	1409.1	2118.4	3335.0	4362.2	3843.7	3767.2	3253.2	3314.5
62.5°	884.0	868.9	875.5	936.5	1436.3	3065.5	4705.4	4756.1	4629.8	3672.9	3660.9
65°	698.6	690.1	709.2	751.0	837.3	2334.5	4708.1	5742.8	5663.2	4159.4	4016.2
67.5°	569.2	563.8	583.4	660.8	679.0	1254.4	4221.6	6203.5	6234.6	4692.1	4345.7
70°	458.4	450.4	481.1	583.0	631.4	759.0	3024.2	5968.7	6019.0	5009.6	4252.8
72.5°	316.6	317.0	332.6	472.2	609.6	655.4	1710.6	4970.0	5079.0	4721.9	3738.7
75°	213.4	215.2	219.7	311.7	561.6	635.9	911.6	3762.7	3839.7	3902.8	3090.4
77.5°	129.0	129.8	140.1	188.5	387.3	593.6	617.6	2727.6	2788.0	2572.8	1915.6
80°	74.7	77.8	87.2	126.3	261.5	446.0	478.0	1672.4	1740.9	1143.7	608.7
82.5°	32.9	35.1	47.6	73.4	152.5	379.3	373.1	660.8	651.0	318.8	211.2
85°	5.8	7.1	10.2	23.1	56.0	200.1	289.5	291.7	274.4	120.9	87.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	43.6	78.3	77.8	34.2	30.2
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: P630387
 CATALOG NUMBER: GWS-SA1D-750-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9
2.5°	1353.6	1341.6	1352.2	1353.6	1351.3	1349.6	1336.2	1324.7	1323.3	1310.9	1310.9
5°	1358.4	1347.3	1352.7	1342.4	1326.4	1310.0	1281.5	1262.0	1253.1	1237.1	1237.1
7.5°	1365.1	1353.6	1347.3	1322.0	1284.6	1248.6	1202.8	1164.6	1149.0	1126.3	1125.4
10°	1371.3	1356.7	1335.3	1286.0	1226.4	1169.0	1102.3	1048.1	1011.2	984.0	984.0
12.5°	1370.9	1351.8	1309.5	1236.6	1154.3	1071.2	982.3	900.4	851.5	809.3	806.6
15°	1370.0	1343.8	1276.6	1179.2	1070.3	955.1	834.2	727.5	655.0	613.6	610.1
17.5°	1369.1	1333.5	1239.7	1113.9	968.0	811.1	651.4	535.8	475.3	450.0	450.9
20°	1369.1	1322.0	1200.1	1038.7	850.2	638.5	478.0	394.0	378.9	380.2	381.5
22.5°	1365.1	1307.8	1156.1	956.9	719.0	469.6	352.6	324.2	332.2	344.6	346.4
25°	1355.8	1284.2	1105.0	866.2	562.9	341.9	287.7	282.4	297.0	312.6	317.0
27.5°	1341.1	1257.1	1047.6	759.9	414.4	274.8	253.0	252.6	264.1	275.7	279.7
30°	1325.5	1226.8	987.2	641.7	300.1	239.2	230.8	230.8	236.6	243.7	242.8
32.5°	1307.3	1196.1	922.2	518.5	244.6	219.2	216.6	215.2	216.1	218.8	218.8
35°	1291.7	1169.0	855.5	388.2	219.2	208.1	205.4	202.3	201.0	199.2	200.1
37.5°	1286.0	1147.7	786.6	292.6	206.8	200.1	195.7	191.2	188.1	187.2	186.8
40°	1295.3	1138.8	717.7	241.0	197.9	191.7	186.8	181.0	178.3	178.3	178.3
42.5°	1331.8	1145.5	647.4	217.9	191.7	184.5	177.4	172.1	171.2	172.1	172.5
45°	1398.5	1171.2	574.5	206.3	186.3	177.4	169.0	165.0	165.0	165.9	165.9
47.5°	1517.6	1238.8	502.5	199.2	181.0	171.6	162.7	158.7	158.3	159.2	159.2
50°	1724.0	1360.7	437.5	194.3	177.0	167.2	158.3	153.0	151.6	151.2	151.2
52.5°	1984.1	1571.9	396.2	190.8	172.1	162.3	153.4	146.3	143.6	142.3	142.3
55°	2298.5	1853.4	396.2	188.1	165.9	156.5	146.3	139.2	135.2	133.4	133.4
57.5°	2654.6	2181.1	464.7	185.9	161.0	149.9	138.7	131.6	127.2	124.5	124.5
60°	3017.0	2527.5	634.1	182.8	156.5	141.4	130.3	123.6	117.8	114.7	114.3
62.5°	3392.8	2909.0	857.3	184.5	153.4	133.4	121.4	113.8	108.9	105.8	105.4
65°	3737.0	3272.3	1052.5	198.3	153.9	126.3	111.2	104.5	100.5	96.5	96.0
67.5°	4029.1	3472.8	915.6	226.3	163.2	117.8	100.9	94.3	90.7	88.0	87.6
70°	3824.6	3166.9	519.4	243.7	176.1	108.9	89.4	84.9	81.4	79.6	79.2
72.5°	3270.5	2681.3	347.3	215.2	160.5	97.4	78.7	75.1	72.5	70.3	69.8
75°	2649.3	2126.4	265.5	176.5	125.0	79.2	67.6	64.9	62.3	60.0	59.6
77.5°	1567.4	1228.6	195.7	139.6	88.0	61.8	56.0	53.8	51.1	49.4	48.9
80°	500.2	426.9	124.1	96.0	58.3	47.6	43.1	41.4	38.7	36.5	36.0
82.5°	190.8	165.0	65.8	48.9	38.7	32.5	28.9	27.1	25.3	23.1	22.7
85°	84.5	79.2	36.5	26.2	20.9	16.0	14.2	13.3	11.1	9.3	8.9
87.5°	29.8	29.8	15.6	7.6	4.4	2.2	1.3	0.4	0.0	0.0	0.0
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)