

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P526062

Luminaire Tested: **GLAN-SA1A-727-U-T3R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-727-U-T3R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3378 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

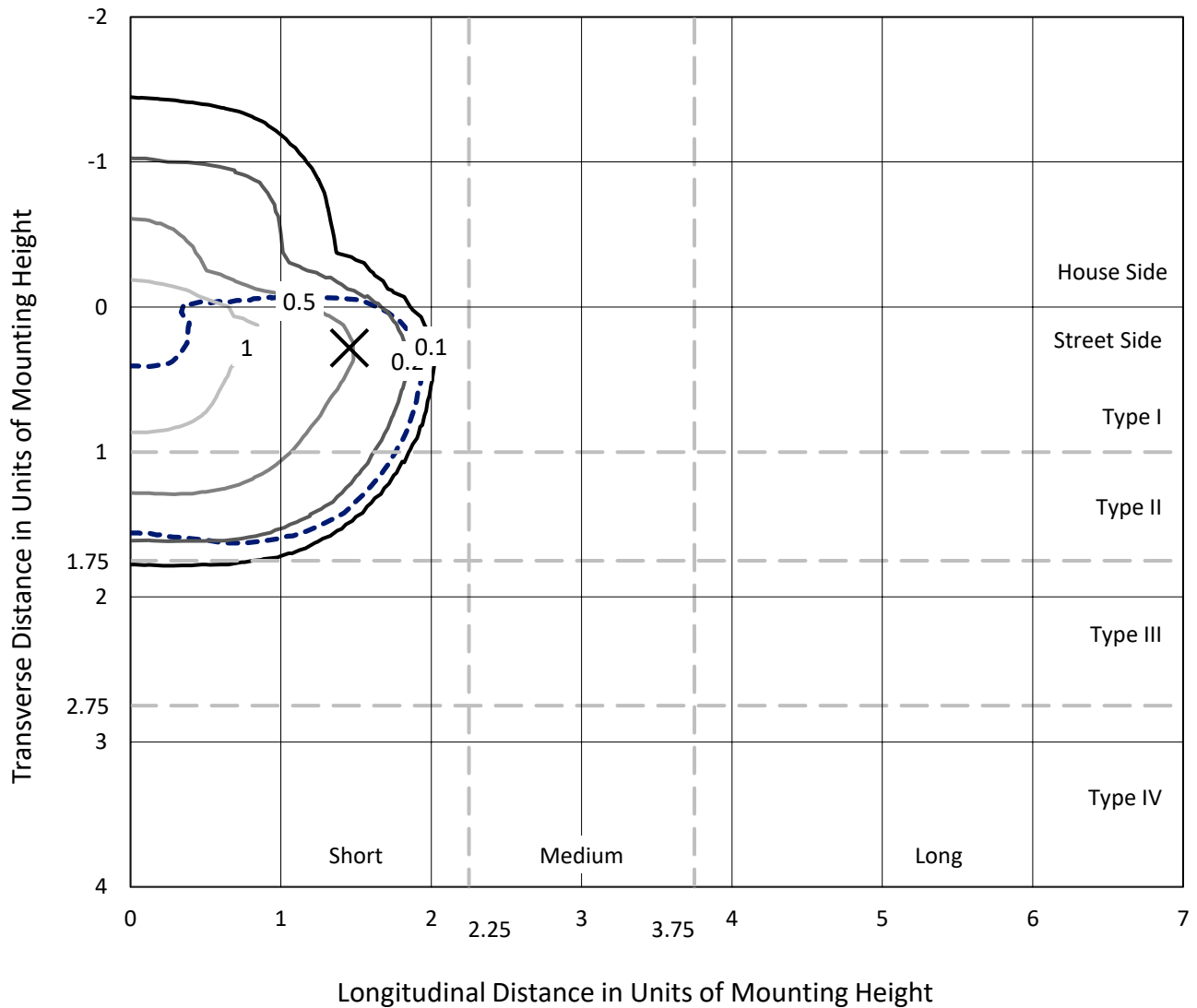
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

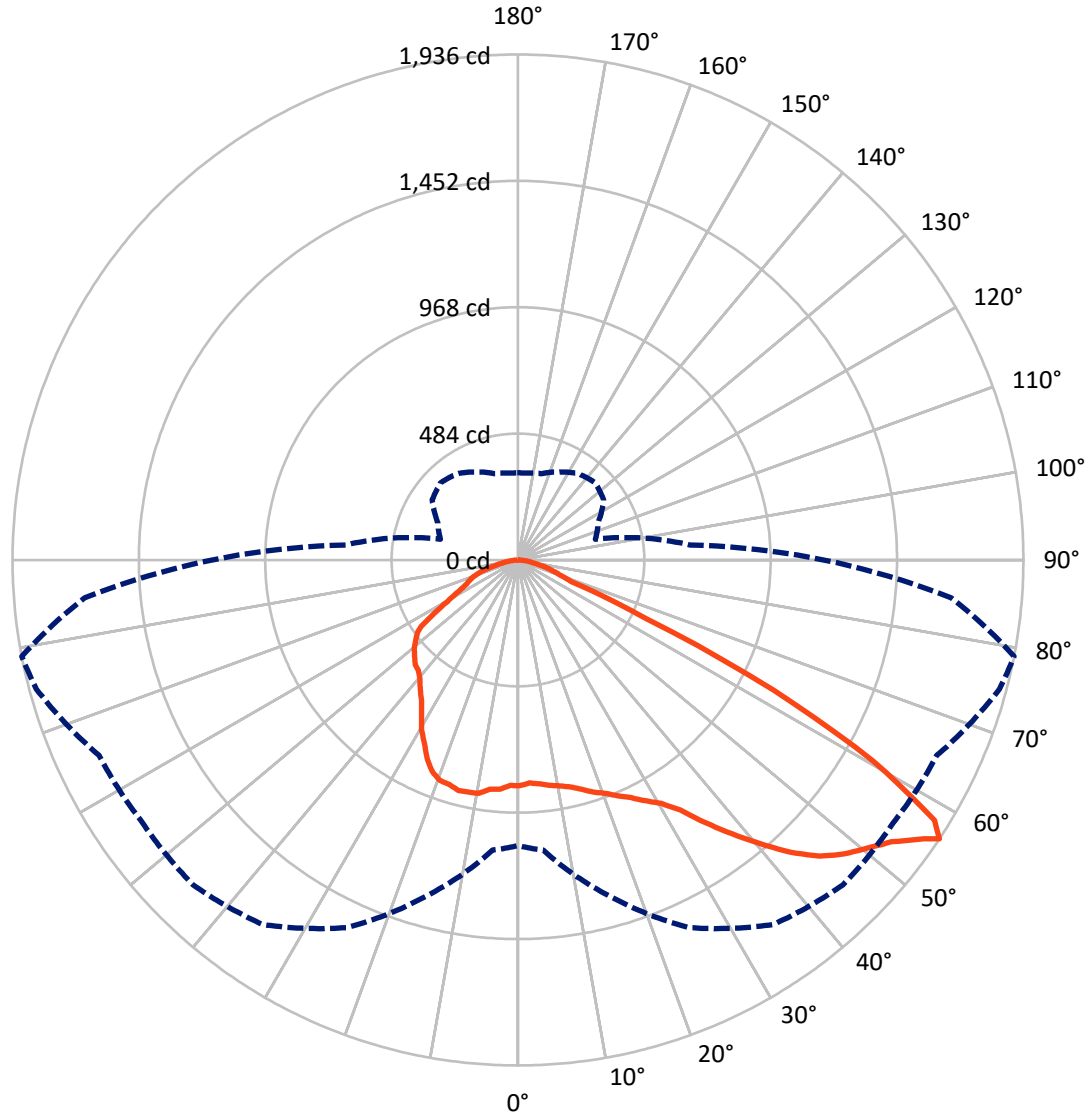
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	997.6	0.0	997.6
	% Fixture	29.5	0.0	29.5
Street Side	Lumens	2380.4	0.0	2380.4
	% Fixture	70.5	0.0	70.5
Total	Lumens	3378.0	0.0	3378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	2.3
10°-20°	215.1	6.4
20°-30°	367.9	10.9
30°-40°	563.9	16.7
40°-50°	762.1	22.6
50°-60°	875.3	25.9
60°-70°	399.0	11.8
70°-80°	98.4	2.9
80°-90°	17.9	0.5
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°	3378.0	100.0
0°-180°	3378.0	100.0

Coefficient of Utilization

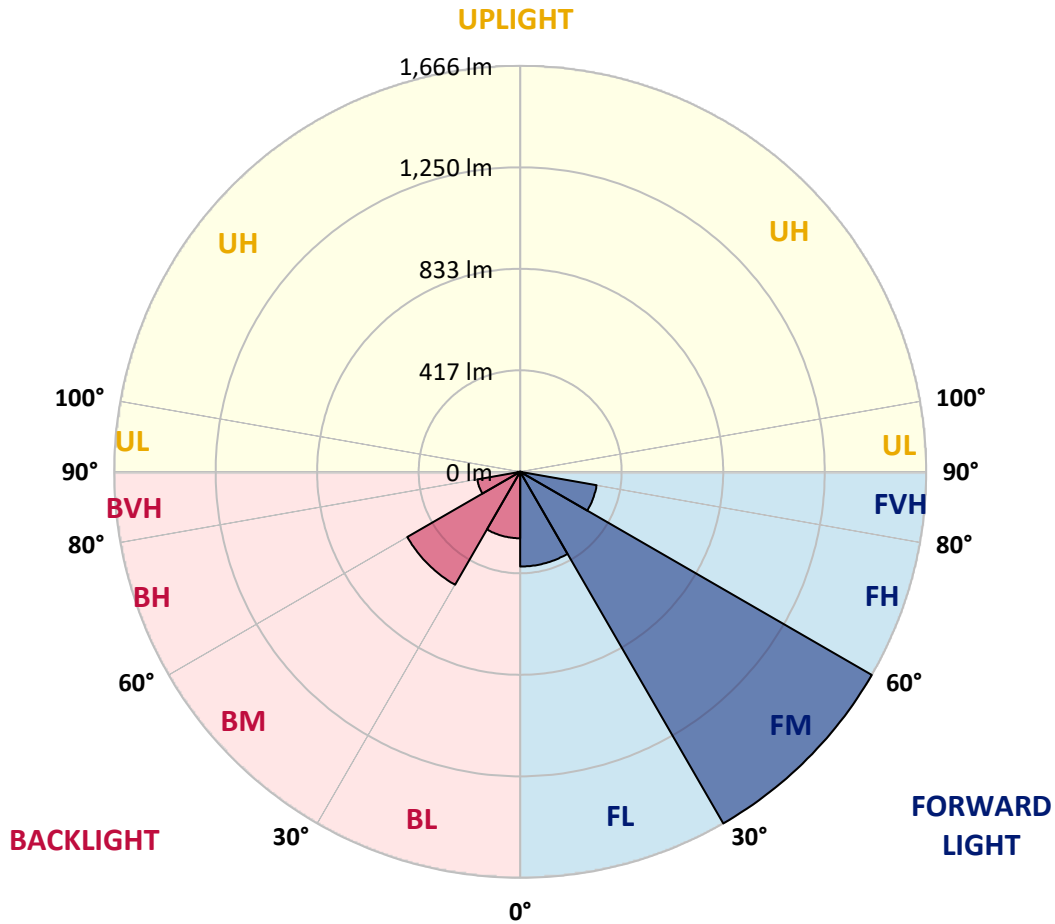


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	388.7	11.5			
FM (30°-60°)	1666.1	49.3			
FH (60°-80°)	318.5	9.4			G0/660
FVH (80°-90°)	7.1	0.2			G0/10
BL (0°-30°)	272.9	8.1	B1/500		
BM (30°-60°)	535.1	15.8	B1/1000		
BH (60°-80°)	178.9	5.3	B1/500		G1/500
BVH (80°-90°)	10.7	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	864.3	864.3	864.3	864.3	864.3	864.3	864.3	864.3	864.3	864.3	864.3
2.5°	822.2	820.1	825.2	829.0	833.6	839.5	842.4	844.1	858.8	855.0	866.4
5°	804.5	799.1	802.9	805.8	813.8	821.0	829.0	841.6	855.0	860.9	874.8
7.5°	789.0	786.0	785.2	787.3	798.2	807.5	821.4	839.9	861.8	871.4	879.4
10°	763.3	759.1	765.4	779.3	782.2	801.6	817.6	844.1	863.0	879.9	903.4
12.5°	751.9	747.7	749.0	757.0	777.6	796.1	815.1	844.9	884.9	891.6	923.2
15°	770.0	765.8	767.1	765.0	784.8	794.4	824.3	861.8	900.1	911.4	945.1
17.5°	811.3	811.7	806.2	801.6	797.0	817.6	838.2	871.9	906.0	934.6	959.8
20°	890.0	876.1	865.1	839.0	831.9	840.7	866.8	899.2	929.9	953.5	982.1
22.5°	950.6	951.8	936.3	893.3	877.8	881.5	903.9	930.4	964.0	980.9	1013.7
25°	1038.5	1029.7	1012.8	978.8	943.8	946.8	963.2	987.2	996.4	1008.2	1044.0
27.5°	1118.9	1121.4	1088.2	1056.2	1012.8	1004.4	1033.9	1038.1	1022.5	1044.8	1057.0
30°	1200.5	1198.4	1176.5	1139.1	1096.6	1098.3	1111.3	1090.7	1069.2	1081.4	1089.8
32.5°	1285.1	1261.1	1260.3	1226.6	1194.2	1178.6	1162.6	1172.7	1139.5	1142.0	1134.0
35°	1352.8	1356.2	1336.8	1312.9	1296.9	1269.5	1225.8	1243.8	1237.5	1234.6	1200.1
37.5°	1402.1	1389.0	1398.7	1390.7	1375.6	1341.5	1296.0	1313.3	1316.2	1330.5	1290.6
40°	1442.5	1437.0	1462.7	1466.9	1456.3	1382.7	1301.1	1352.4	1396.6	1427.7	1380.2
42.5°	1461.8	1473.6	1500.5	1532.9	1509.4	1430.7	1327.2	1382.3	1480.7	1530.0	1465.2
45°	1487.9	1472.8	1512.7	1572.1	1572.5	1471.1	1352.4	1422.7	1546.4	1617.9	1523.2
47.5°	1461.4	1469.0	1510.2	1585.5	1604.9	1513.6	1420.6	1479.9	1618.8	1682.3	1577.1
50°	1402.1	1417.2	1492.5	1570.8	1629.3	1558.6	1498.8	1541.8	1685.7	1734.1	1585.9
52.5°	1340.2	1348.6	1466.4	1582.2	1640.2	1616.7	1603.6	1627.2	1767.3	1792.6	1596.9
55°	1171.9	1211.9	1380.2	1577.1	1693.7	1721.4	1711.3	1745.8	1859.9	1885.1	1656.6
56°	1094.0	1115.1	1328.4	1553.5	1704.2	1759.7	1754.7	1770.3	1909.1	1935.6	1665.9
57.5°	950.1	951.8	1132.8	1449.2	1664.6	1771.1	1766.0	1778.2	1899.4	1881.3	1584.7
60°	594.6	620.7	770.9	1114.7	1415.5	1643.2	1671.8	1573.7	1601.5	1563.2	1232.9
62.5°	308.0	304.2	404.0	651.8	939.6	1176.5	1203.0	1198.4	1155.5	1099.5	805.4
65°	153.6	154.4	211.2	322.7	481.4	616.0	690.1	698.1	584.1	537.3	382.1
67.5°	111.5	115.7	151.9	197.3	226.8	253.7	311.0	305.1	231.0	219.7	203.7
70°	86.7	90.5	123.3	150.6	136.8	136.8	149.0	154.0	164.5	169.2	174.6
72.5°	63.1	66.1	94.3	103.9	89.6	96.4	111.5	123.3	134.2	135.9	142.2
75°	43.3	45.9	61.9	57.2	53.9	66.5	81.6	92.6	100.6	104.8	108.6
77.5°	28.2	29.0	35.3	29.9	34.5	42.9	53.0	62.3	70.3	73.6	74.5
80°	12.6	13.9	15.1	18.9	24.0	30.7	37.9	45.4	50.5	51.8	54.3
82.5°	7.2	7.2	9.3	13.5	17.7	22.3	27.4	32.8	38.7	40.0	39.6
85°	3.8	3.8	5.5	8.0	10.9	13.0	12.6	13.0	13.9	16.0	15.6
87.5°	1.3	1.3	1.7	1.7	2.1	2.5	2.1	2.9	3.8	3.8	3.8
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°	864.3	864.3	864.3	864.3	864.3	864.3	864.3	864.3	864.3	864.3	864.3
2.5°	863.0	866.8	861.8	872.7	872.7	870.6	860.1	863.5	866.0	866.0	868.1
5°	879.4	878.2	881.5	868.5	860.5	857.6	840.3	831.9	824.7	824.3	818.0
7.5°	888.7	885.3	884.1	874.4	839.0	817.6	780.6	759.1	754.5	738.1	744.4
10°	903.4	909.7	903.4	850.8	801.6	752.4	716.2	682.9	669.9	659.4	653.1
12.5°	933.7	930.8	894.2	823.1	754.1	695.6	641.7	606.8	593.7	584.5	583.6
15°	959.4	944.7	888.7	779.3	680.0	617.7	573.5	548.7	542.8	543.7	547.4
17.5°	968.2	958.1	860.1	733.9	624.9	551.7	531.0	527.2	532.7	539.0	540.7
20°	982.1	966.1	848.3	672.0	556.7	510.4	509.2	522.6	532.7	542.0	543.2
22.5°	1011.2	970.8	810.0	613.5	510.0	498.2	510.4	521.8	537.3	544.9	538.2
25°	1019.6	960.7	756.2	543.2	480.5	490.6	503.7	519.3	530.2	534.4	537.3
27.5°	1026.7	945.1	683.4	496.5	471.3	490.2	503.7	516.7	522.6	526.4	529.8
30°	1046.9	940.5	620.2	465.4	465.4	481.8	499.1	502.4	510.4	515.0	520.9
32.5°	1057.0	908.5	555.4	445.6	459.5	486.0	487.3	493.6	494.0	497.8	491.5
35°	1083.5	885.8	495.3	431.3	462.0	481.8	488.1	484.3	463.7	453.6	455.7
37.5°	1102.9	874.4	451.9	429.6	462.4	486.4	489.8	461.2	439.7	422.9	427.1
40°	1155.1	846.2	419.1	426.7	466.2	491.5	482.2	451.1	412.4	395.1	392.2
42.5°	1195.0	826.0	398.5	423.3	469.2	498.6	478.4	430.9	391.3	375.3	379.5
45°	1241.3	821.4	387.5	424.2	474.2	502.4	473.8	415.3	373.2	366.9	365.7
47.5°	1257.7	788.1	375.8	417.0	473.0	501.2	458.2	403.5	366.5	367.3	370.7
50°	1230.4	754.1	366.9	402.3	464.5	489.8	433.8	388.0	362.7	373.2	379.1
52.5°	1195.5	719.1	348.8	382.5	447.3	472.1	422.5	387.1	358.9	355.6	356.8
55°	1206.0	690.5	323.6	355.6	419.5	439.3	409.8	379.1	349.7	337.1	341.3
56°	1171.9	661.1	307.2	338.7	400.6	418.3	403.5	372.0	342.1	333.7	333.7
57.5°	1075.5	562.2	285.7	311.8	360.6	381.7	391.3	367.8	333.7	319.0	319.4
60°	793.2	399.7	256.3	274.8	298.8	315.6	360.6	356.0	312.6	302.5	298.8
62.5°	489.0	292.0	235.2	242.4	254.6	268.5	314.7	322.3	290.3	279.4	276.9
65°	273.9	223.4	219.2	222.2	228.1	235.2	261.3	278.1	256.3	239.4	238.6
67.5°	200.3	199.9	203.2	205.8	208.3	208.3	214.6	221.3	218.4	204.9	203.7
70°	178.0	179.3	181.8	182.2	183.0	180.1	175.0	172.9	176.3	167.9	166.2
72.5°	146.9	151.1	154.0	154.4	149.8	146.0	139.3	132.1	129.6	127.9	127.5
75°	112.8	115.7	117.0	116.6	114.9	109.4	101.4	94.3	89.6	84.6	87.1
77.5°	76.2	80.4	82.5	82.5	79.9	71.5	67.7	62.3	57.6	52.2	53.0
80°	53.4	56.4	59.8	59.3	55.1	50.9	45.4	40.4	36.6	32.4	32.0
82.5°	40.0	41.7	43.3	42.5	39.6	35.3	31.6	26.9	22.7	19.8	19.8
85°	14.3	15.6	18.9	19.8	21.5	21.5	18.1	15.1	12.2	10.1	10.1
87.5°	4.2	4.2	4.6	4.6	4.2	4.6	3.8	4.2	4.6	2.9	2.9
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)