

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: P192619

Luminaire Tested: **GAN-AF-01-LED-U-5WQ-7030-800-ADJ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24143)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-01-LED-U-5WQ-7030-800-ADJ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5129.7 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 44
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: 28.75 FT

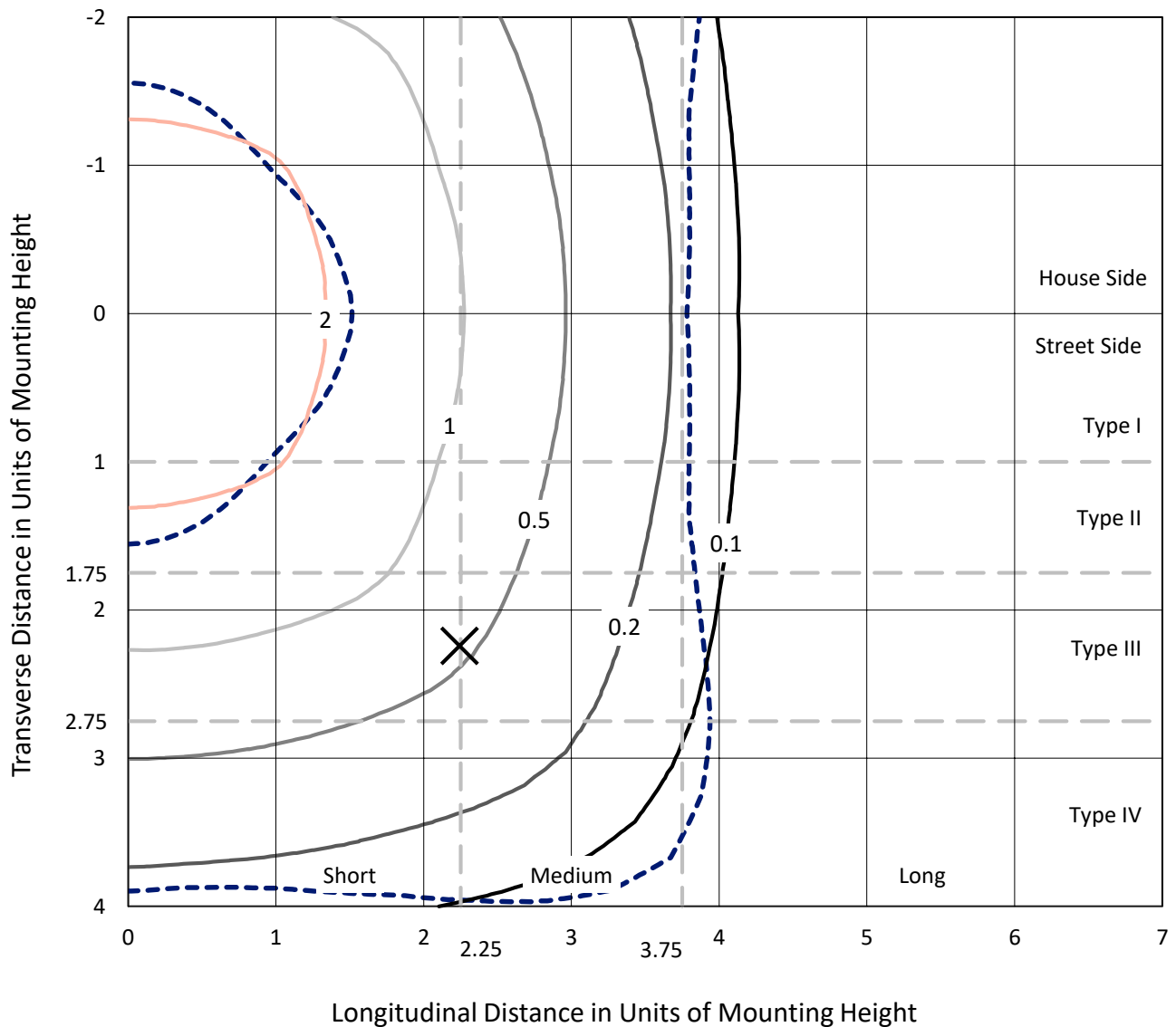


REPORT NUMBER: P192619

CATALOG NUMBER: GAN-AF-01-LED-U-5WQ-7030-800-ADJ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

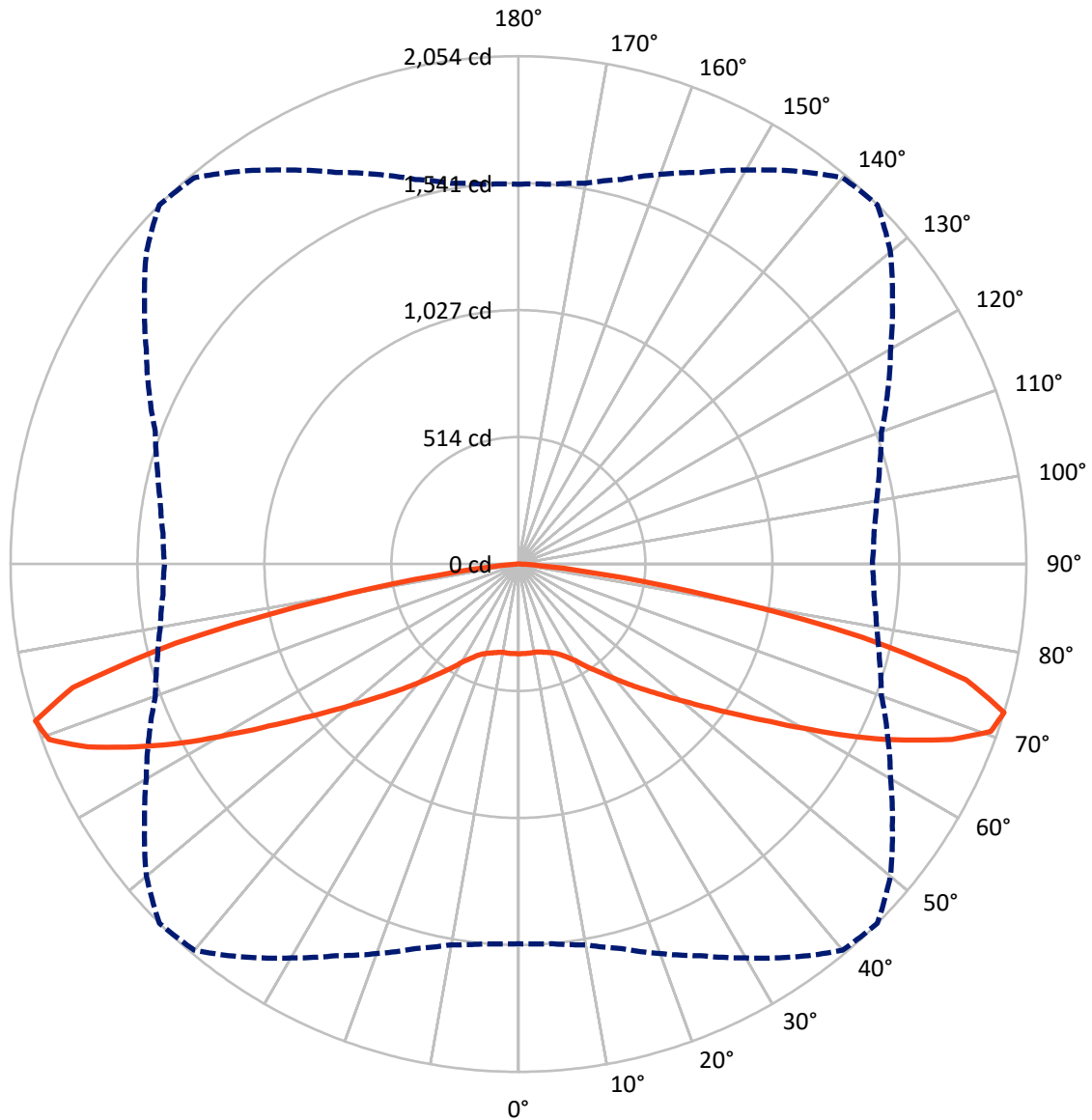


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P192619

CATALOG NUMBER: GAN-AF-01-LED-U-5WQ-7030-800-ADJ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P192619

CATALOG NUMBER: GAN-AF-01-LED-U-5WQ-7030-800-ADJ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2564.9	0.0	2564.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2564.9	0.0	2564.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5129.7	0.0	5129.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	0.7
10°-20°	105.4	2.1
20°-30°	192.5	3.8
30°-40°	331.9	6.5
40°-50°	567.4	11.1
50°-60°	919.7	17.9
60°-70°	1525.8	29.7
70°-80°	1343.9	26.2
80°-90°	108.4	2.1
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°	5129.7	100.0
0°-180°	5129.7	100.0



REPORT NUMBER: P192619

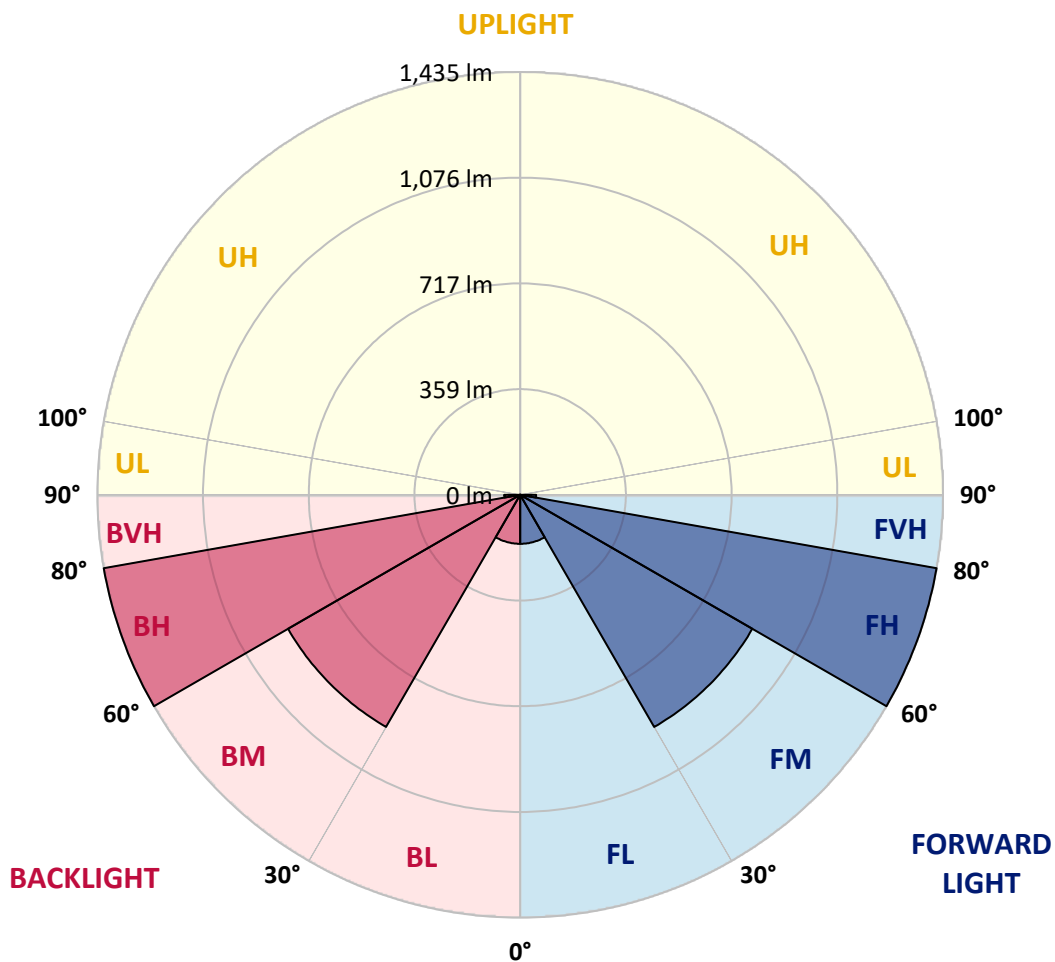
CATALOG NUMBER: GAN-AF-01-LED-U-5WQ-7030-800-ADJ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.3	3.2			
FM	(30°-60°)	909.6	17.7			
FH	(60°-80°)	1434.8	28.0			G1/1800
FVH	(80°-90°)	54.2	1.1			G1/100
BL	(0°-30°)	166.3	3.2	B1/500		
BM	(30°-60°)	909.6	17.7	B1/1000		
BH	(60°-80°)	1434.8	28.0	B3/2500		G1/1800
BVH	(80°-90°)	54.2	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P192619

CATALOG NUMBER: GAN-AF-01-LED-U-5WQ-7030-800-ADJ

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	363.3	363.3	363.3	363.3	363.3	363.3	363.3	363.3	363.3	363.3	363.3
2.5°	363.3	363.5	363.8	363.5	363.5	363.3	363.1	363.3	363.1	362.5	362.7
5°	364.5	364.9	364.9	364.5	364.7	364.5	364.0	364.2	363.8	363.1	363.1
7.5°	365.8	366.1	366.1	365.6	365.8	365.4	364.9	364.7	364.2	363.3	362.5
10°	367.9	368.2	367.9	367.5	367.5	366.8	365.6	365.2	364.2	362.7	362.0
12.5°	370.3	370.6	370.3	369.9	369.7	368.4	367.5	366.8	366.1	364.9	363.8
15°	373.6	374.1	373.6	372.7	371.9	371.1	370.6	370.8	371.1	370.1	368.9
17.5°	379.7	380.0	379.2	377.2	376.2	375.3	375.3	375.8	376.4	376.0	374.8
20°	391.0	390.3	388.6	386.1	384.9	383.3	383.1	383.3	383.3	383.1	382.1
22.5°	405.2	404.7	402.5	399.3	397.6	396.7	395.3	394.1	393.9	393.2	392.2
25°	422.1	421.8	419.2	416.4	415.3	414.1	412.9	411.3	409.8	408.2	407.2
27.5°	443.7	442.8	439.0	437.6	436.0	435.3	433.6	431.7	430.6	428.4	427.3
30°	467.5	467.5	464.5	464.0	464.0	462.2	460.4	457.1	455.1	452.9	452.3
32.5°	491.2	491.4	488.4	489.4	490.0	491.2	491.7	490.6	489.2	488.9	487.6
35°	525.6	524.7	521.6	522.3	522.0	521.8	521.8	524.5	524.9	525.3	522.6
37.5°	568.1	568.1	565.1	565.1	563.7	562.3	560.4	562.0	564.7	565.4	563.4
40°	616.9	618.5	614.8	614.6	615.0	610.5	608.5	611.0	612.6	615.4	613.4
42.5°	674.3	673.1	669.3	668.8	666.3	664.9	662.9	665.2	667.7	669.5	670.3
45°	729.3	728.4	724.2	724.2	721.5	720.4	721.3	724.9	726.0	728.6	731.3
47.5°	783.7	782.6	779.7	780.8	781.1	783.3	786.3	789.6	792.9	796.4	797.6
50°	839.2	839.4	836.4	839.2	842.7	848.6	856.9	862.3	869.1	873.5	874.9
52.5°	889.8	890.8	894.1	900.7	907.7	919.2	933.3	946.5	957.7	965.3	964.9
55°	950.5	951.8	960.0	971.2	982.8	1000.2	1021.1	1044.4	1063.2	1074.0	1067.3
57.5°	1028.1	1031.2	1040.1	1055.5	1072.6	1095.3	1124.0	1158.9	1188.0	1202.7	1191.7
60°	1134.7	1136.7	1147.4	1164.3	1185.0	1213.1	1251.4	1298.4	1339.6	1358.9	1346.3
62.5°	1275.2	1278.8	1287.4	1304.5	1325.8	1357.5	1404.3	1463.2	1514.5	1541.3	1512.5
65°	1443.0	1454.2	1461.6	1479.0	1498.7	1532.4	1581.3	1644.4	1699.4	1717.0	1683.9
67.5°	1609.1	1618.9	1631.7	1651.7	1671.6	1709.5	1754.9	1816.1	1876.5	1892.6	1841.0
70°	1681.7	1687.4	1707.1	1734.5	1772.8	1817.5	1870.0	1938.7	2013.4	2026.6	1961.2
72.5°	1536.0	1541.7	1563.8	1610.3	1677.0	1748.0	1839.6	1940.6	2039.4	2054.2	1964.1
75°	1161.8	1152.5	1185.4	1246.7	1336.8	1435.8	1563.8	1708.6	1851.4	1870.0	1762.5
77.5°	600.4	599.3	624.0	700.2	807.7	920.4	1061.4	1224.8	1364.5	1421.0	1333.5
80°	169.2	171.0	182.8	220.7	283.5	364.9	475.1	628.1	742.5	800.9	751.9
82.5°	66.3	71.6	76.1	83.0	91.3	103.2	137.8	205.2	275.3	328.9	269.5
85°	23.7	25.4	35.9	42.6	43.2	45.7	52.0	60.7	73.2	87.3	71.8
87.5°	9.0	9.9	11.6	19.0	18.8	17.2	21.0	21.9	16.5	15.1	18.6
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: P192619

CATALOG NUMBER: GAN-AF-01-LED-U-5WQ-7030-800-ADJ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	363.3	363.3	363.3	363.3	363.3	363.3	363.3	363.3
2.5°	362.3	362.5	362.5	362.7	363.1	363.1	363.5	363.5
5°	362.5	362.5	362.0	362.3	362.0	362.0	362.3	362.3
7.5°	362.0	361.8	361.4	361.1	360.7	360.7	360.7	360.7
10°	361.4	361.1	360.7	360.4	360.2	360.2	360.2	360.2
12.5°	363.3	362.5	362.0	361.8	361.8	361.8	361.8	361.8
15°	368.2	366.6	365.4	365.4	365.6	366.1	366.1	366.6
17.5°	374.3	372.5	371.3	370.3	370.8	371.5	371.9	372.5
20°	381.7	380.7	379.0	378.0	378.0	379.0	379.4	379.7
22.5°	391.7	391.0	390.3	389.2	389.2	389.6	390.6	390.6
25°	406.8	406.3	405.9	405.0	404.7	404.7	405.2	405.6
27.5°	425.6	425.9	425.3	425.1	424.5	424.3	424.9	424.7
30°	450.8	452.0	453.1	452.3	451.0	450.3	449.6	448.6
32.5°	484.9	483.5	482.6	480.8	478.8	476.9	475.5	473.8
35°	517.2	514.8	513.8	515.2	515.0	513.8	512.2	510.8
37.5°	556.6	556.2	556.6	559.3	558.8	560.0	556.6	556.4
40°	606.5	607.1	610.3	613.4	615.0	616.7	614.8	613.0
42.5°	664.4	664.2	665.4	669.5	672.4	674.3	670.3	669.9
45°	725.6	724.0	724.9	728.4	731.3	733.3	728.9	728.9
47.5°	792.9	790.1	787.0	791.0	792.6	794.1	790.5	789.4
50°	867.9	862.0	855.5	857.1	857.1	856.6	852.1	851.9
52.5°	954.1	943.2	931.2	926.7	924.2	921.4	913.6	909.8
55°	1053.0	1036.9	1018.1	1006.5	1000.4	992.6	979.7	976.1
57.5°	1168.8	1143.4	1110.9	1096.9	1083.2	1070.5	1056.1	1052.1
60°	1305.9	1268.6	1225.6	1199.4	1184.6	1172.4	1157.6	1156.8
62.5°	1458.9	1399.8	1351.2	1327.6	1316.8	1305.9	1291.9	1293.7
65°	1614.5	1552.8	1507.1	1488.1	1478.0	1469.1	1454.9	1457.1
67.5°	1767.9	1711.1	1661.1	1641.5	1630.2	1618.9	1606.2	1608.3
70°	1877.9	1807.5	1751.1	1707.8	1680.9	1650.3	1630.4	1625.6
72.5°	1846.5	1738.0	1648.2	1562.4	1512.1	1471.1	1443.5	1431.4
75°	1598.0	1449.8	1334.5	1229.0	1169.8	1121.5	1086.5	1064.6
77.5°	1186.8	1020.2	883.9	762.5	666.5	602.0	556.6	527.2
80°	649.5	494.1	361.1	253.8	186.7	155.0	136.9	128.3
82.5°	202.3	130.6	96.2	83.0	77.1	73.9	68.5	59.8
85°	64.5	56.5	52.5	50.1	47.7	41.6	28.7	26.1
87.5°	24.9	25.6	25.4	24.0	24.5	17.7	14.1	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)