

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: P192749

Luminaire Tested: **GAN-AF-01-LED-U-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
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-RW-7030
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6162.2 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B3 - U0 - G1

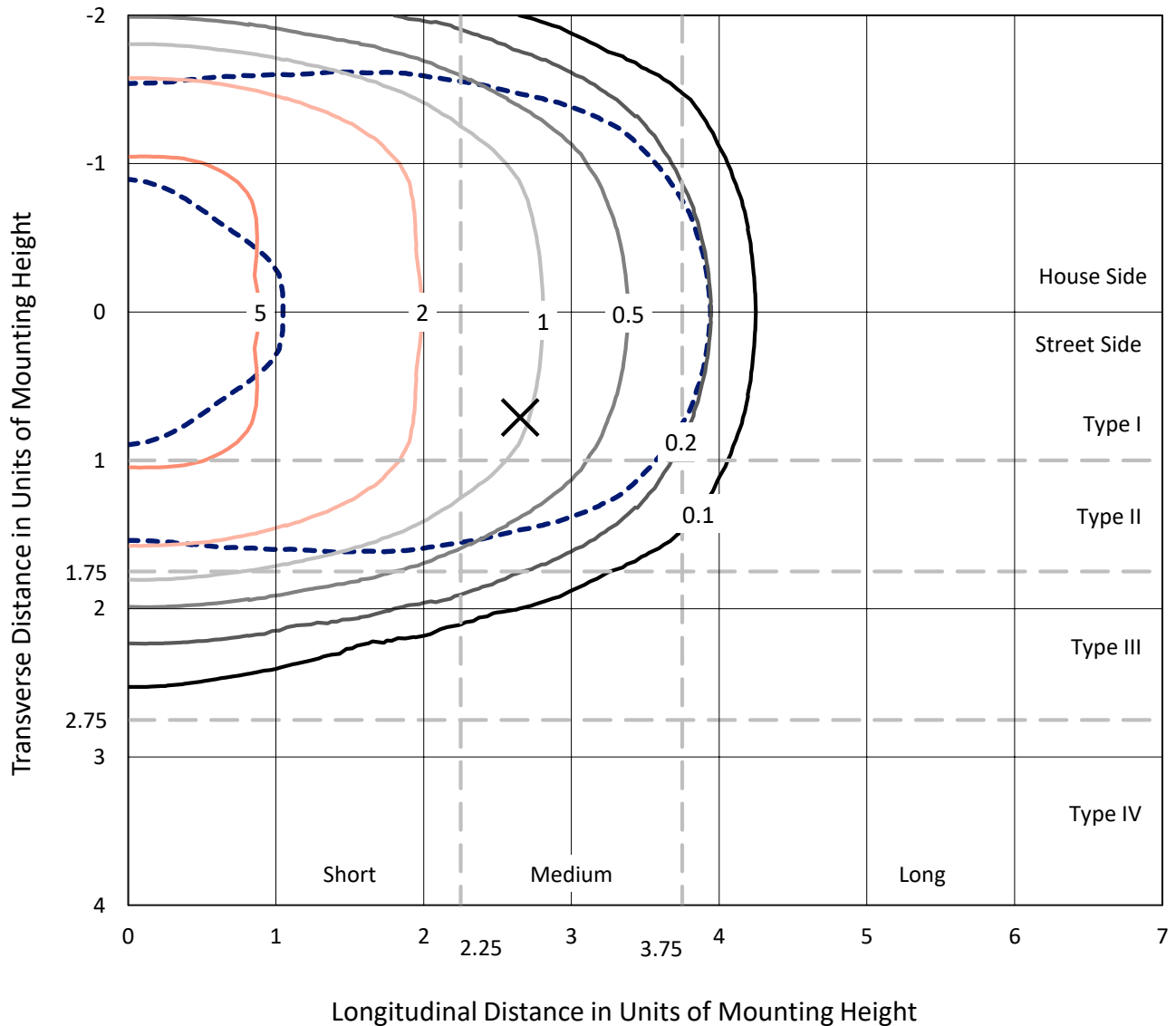
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

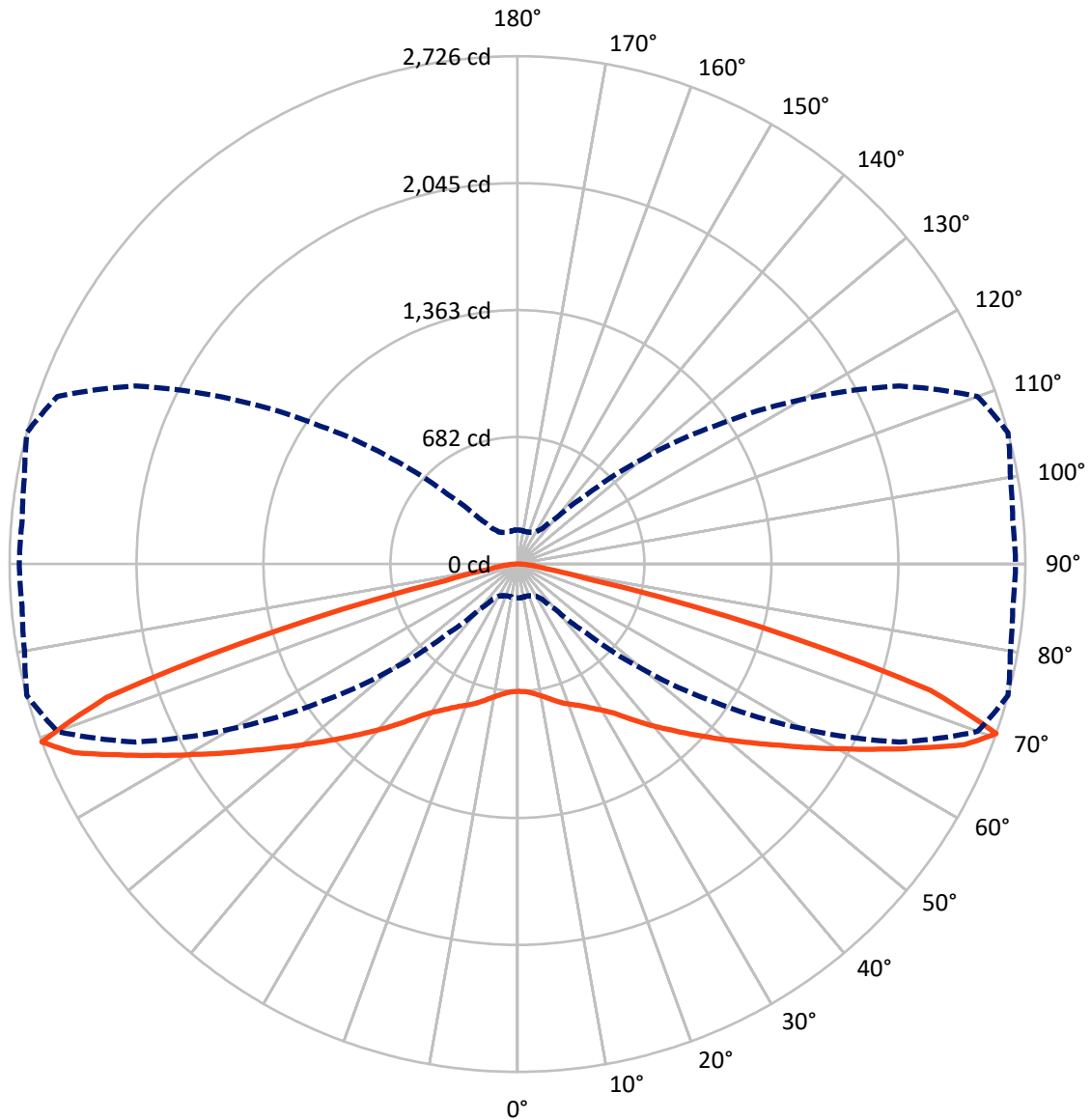


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3081.1	0.0	3081.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3081.1	0.0	3081.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6162.2	0.0	6162.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	1.1
10°-20°	203.7	3.3
20°-30°	383.4	6.2
30°-40°	678.9	11.0
40°-50°	1135.3	18.4
50°-60°	1582.1	25.7
60°-70°	1467.1	23.8
70°-80°	584.7	9.5
80°-90°	61.5	1.0
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°	6162.2	100.0
0°-180°	6162.2	100.0



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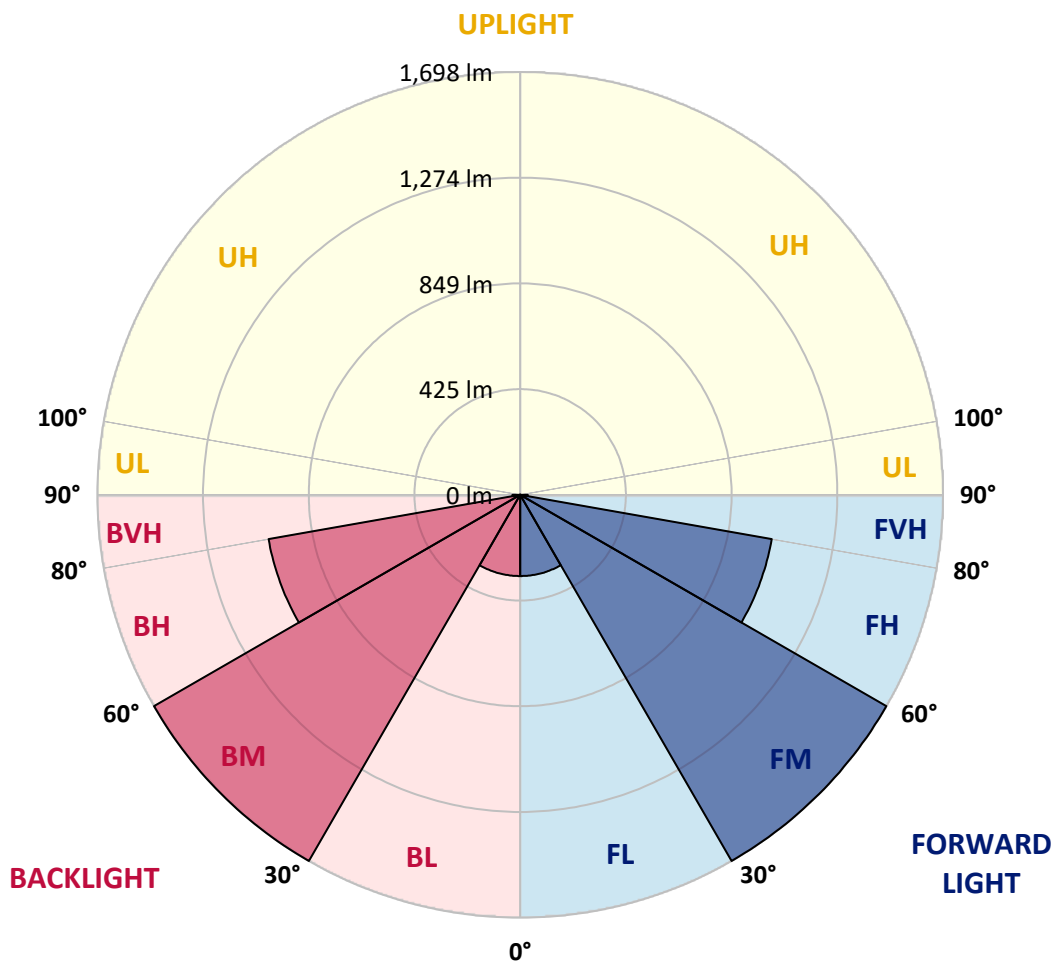
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.3	5.3			
FM	(30°-60°)	1698.2	27.6			
FH	(60°-80°)	1025.9	16.6			G1/1800
FVH	(80°-90°)	30.7	0.5			G1/100
BL	(0°-30°)	326.3	5.3	B1/500		
BM	(30°-60°)	1698.2	27.6	B2/2500		
BH	(60°-80°)	1025.9	16.6	B3/2500		G1/1800
BVH	(80°-90°)	30.7	0.5			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	683.5	683.5	683.5	683.5	683.5	683.5	683.5	683.5	683.5	683.5	683.5
2.5°	682.4	681.8	682.4	682.1	682.7	682.7	683.2	684.4	684.4	685.3	684.9
5°	675.7	675.3	676.2	677.1	678.0	679.7	681.4	684.1	686.1	687.6	689.1
7.5°	662.5	662.5	663.8	665.7	667.8	671.6	675.7	680.9	686.1	690.5	694.4
10°	651.8	652.4	653.8	657.3	660.8	666.6	672.2	679.7	687.0	694.4	700.2
12.5°	645.4	646.3	648.9	654.1	659.9	667.8	676.2	685.8	694.1	702.7	708.5
15°	647.5	648.0	651.8	658.2	665.7	675.7	687.0	698.3	708.0	717.3	725.2
17.5°	658.9	659.6	664.0	671.3	679.1	690.8	703.1	715.8	727.7	738.3	747.9
20°	679.1	680.0	685.6	693.5	702.7	714.7	726.9	740.3	753.7	764.9	775.5
22.5°	708.0	709.4	714.7	722.5	733.0	745.9	760.5	774.6	787.5	797.7	807.3
25°	745.9	749.1	754.0	762.7	773.8	785.5	801.2	815.7	827.9	837.6	844.6
27.5°	799.4	803.8	807.7	816.0	826.9	837.9	853.7	866.4	878.1	887.4	892.6
30°	870.5	874.8	878.7	886.8	896.7	907.2	922.0	933.4	940.7	948.0	947.8
32.5°	956.7	961.4	962.8	971.6	981.8	993.1	1006.5	1013.0	1018.8	1019.6	1014.4
35°	1053.1	1055.5	1061.2	1072.9	1084.6	1093.9	1106.7	1109.8	1109.8	1105.4	1093.9
37.5°	1158.8	1160.4	1168.4	1181.5	1193.4	1203.1	1211.8	1218.2	1215.1	1205.6	1186.2
40°	1274.7	1277.4	1289.0	1300.6	1314.1	1323.1	1332.4	1333.6	1330.3	1316.7	1290.2
42.5°	1385.4	1387.7	1399.4	1417.7	1435.2	1447.8	1456.4	1458.2	1448.0	1435.5	1402.6
45°	1480.7	1486.8	1501.9	1523.5	1548.7	1566.6	1578.5	1583.5	1574.4	1558.1	1520.1
47.5°	1556.1	1562.2	1583.7	1609.4	1640.8	1669.7	1689.4	1700.0	1697.7	1685.5	1643.7
50°	1611.5	1617.2	1640.5	1672.0	1708.7	1744.6	1778.3	1803.4	1812.1	1806.5	1768.4
52.5°	1617.8	1627.4	1654.8	1697.1	1744.8	1793.7	1841.8	1884.2	1913.1	1917.5	1889.3
55°	1528.4	1538.1	1575.8	1638.5	1709.6	1789.3	1866.2	1937.9	1994.6	2023.8	2009.0
57.5°	1317.5	1334.7	1374.6	1448.0	1552.6	1672.0	1794.6	1921.9	2037.4	2114.7	2129.6
60°	1009.8	1030.1	1070.3	1148.4	1264.9	1407.3	1570.9	1759.1	1963.3	2136.8	2240.5
62.5°	647.7	666.9	709.2	777.1	872.0	1026.3	1202.0	1425.3	1699.6	1973.8	2220.7
65°	332.9	343.4	365.5	406.6	480.5	595.9	753.5	976.2	1290.0	1628.0	1985.0
67.5°	210.9	212.9	217.9	223.7	242.5	282.6	355.8	494.8	752.8	1105.4	1523.5
70°	182.4	182.4	180.0	179.0	181.5	187.0	198.3	230.6	317.7	524.8	878.7
72.5°	166.8	165.1	161.0	157.9	157.3	157.3	159.6	164.6	178.5	213.8	343.9
75°	153.7	148.8	143.2	139.6	138.0	136.6	136.2	137.1	140.1	145.7	164.2
77.5°	137.7	131.3	125.0	121.2	119.4	117.4	115.6	113.6	112.1	113.8	122.1
80°	118.5	111.2	106.3	104.1	102.2	99.3	95.5	92.0	88.8	88.3	93.2
82.5°	95.5	87.1	87.4	88.3	85.0	81.0	76.9	73.1	67.5	64.7	67.5
85°	77.1	72.7	70.8	76.3	71.7	65.5	59.1	52.5	43.7	36.7	39.9
87.5°	30.0	30.0	44.8	69.1	62.1	50.7	43.3	37.0	23.1	17.8	18.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	683.5	683.5	683.5	683.5	683.5	683.5	683.5	683.5
2.5°	684.7	685.3	684.9	684.7	684.7	684.4	684.7	684.7
5°	690.0	691.4	691.4	691.9	691.9	692.2	692.6	692.2
7.5°	697.8	700.5	702.2	704.1	704.5	704.8	705.4	704.8
10°	705.7	710.9	714.7	718.5	720.2	720.8	721.4	721.4
12.5°	715.5	722.9	729.6	736.3	739.4	741.3	741.3	742.4
15°	731.9	739.1	747.0	756.1	761.5	764.5	765.4	765.4
17.5°	754.9	761.3	768.0	776.8	783.7	787.5	788.5	788.1
20°	781.6	787.8	791.6	797.1	803.3	807.7	808.7	808.7
22.5°	812.3	815.7	816.3	818.2	823.0	828.8	831.5	832.1
25°	846.0	846.9	844.6	844.6	847.8	853.4	855.9	856.3
27.5°	889.7	885.3	879.5	877.5	879.5	886.0	889.2	890.4
30°	944.2	933.7	920.3	913.1	911.9	920.3	926.1	926.9
32.5°	1006.5	991.4	973.6	958.7	954.9	960.2	967.2	967.0
35°	1080.5	1062.4	1040.9	1021.9	1013.2	1018.4	1028.3	1029.6
37.5°	1165.8	1142.2	1117.5	1093.5	1079.9	1081.3	1091.8	1095.4
40°	1261.1	1230.5	1199.3	1167.3	1147.8	1144.0	1156.8	1158.8
42.5°	1363.0	1323.6	1284.4	1244.8	1219.7	1213.9	1228.7	1227.8
45°	1471.6	1421.6	1375.5	1331.9	1302.2	1293.4	1305.6	1305.6
47.5°	1588.4	1526.7	1471.9	1422.4	1390.1	1377.5	1389.2	1390.1
50°	1712.2	1646.6	1582.3	1527.2	1488.5	1472.5	1487.7	1490.0
52.5°	1835.3	1771.6	1706.6	1643.7	1596.9	1577.3	1594.8	1602.4
55°	1960.3	1897.8	1835.7	1774.3	1718.5	1695.6	1714.2	1723.8
57.5°	2092.2	2034.3	1975.2	1913.1	1859.6	1823.7	1843.5	1856.4
60°	2246.9	2197.4	2135.9	2067.5	2013.3	1976.9	1988.3	1999.7
62.5°	2369.2	2388.4	2336.3	2257.1	2187.5	2140.9	2152.0	2163.9
65°	2310.1	2507.3	2553.6	2473.5	2377.1	2304.6	2299.9	2306.0
67.5°	1930.9	2313.9	2593.2	2669.5	2588.8	2488.1	2469.4	2478.4
70°	1291.7	1768.7	2261.4	2628.4	2726.0	2686.9	2668.6	2674.1
72.5°	620.4	1030.1	1534.2	2022.1	2319.1	2455.4	2499.1	2520.4
75°	226.8	408.8	739.4	1114.2	1345.2	1557.3	1695.6	1752.1
77.5°	136.9	165.1	236.2	355.6	402.7	450.8	432.2	441.5
80°	101.4	114.5	129.6	145.7	150.9	150.9	145.0	140.4
82.5°	71.0	79.5	86.8	95.5	97.9	93.5	76.9	61.1
85°	45.7	49.5	52.7	58.2	56.9	54.2	36.4	32.3
87.5°	21.0	23.9	25.0	27.7	26.6	25.3	18.0	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)