

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: P533214

Luminaire Tested: **GLAN-SA8C-827-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-827-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36837 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 429
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



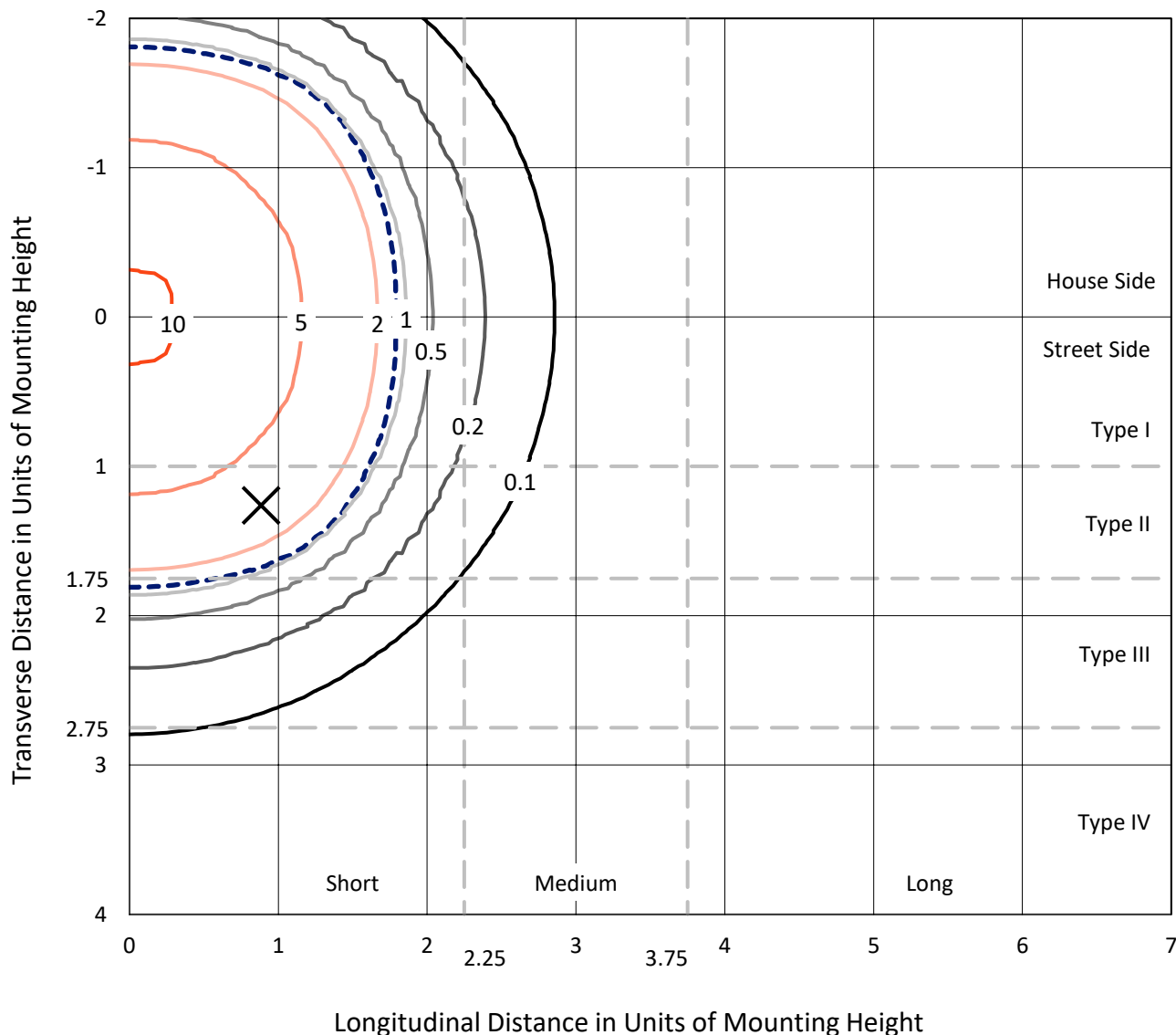
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

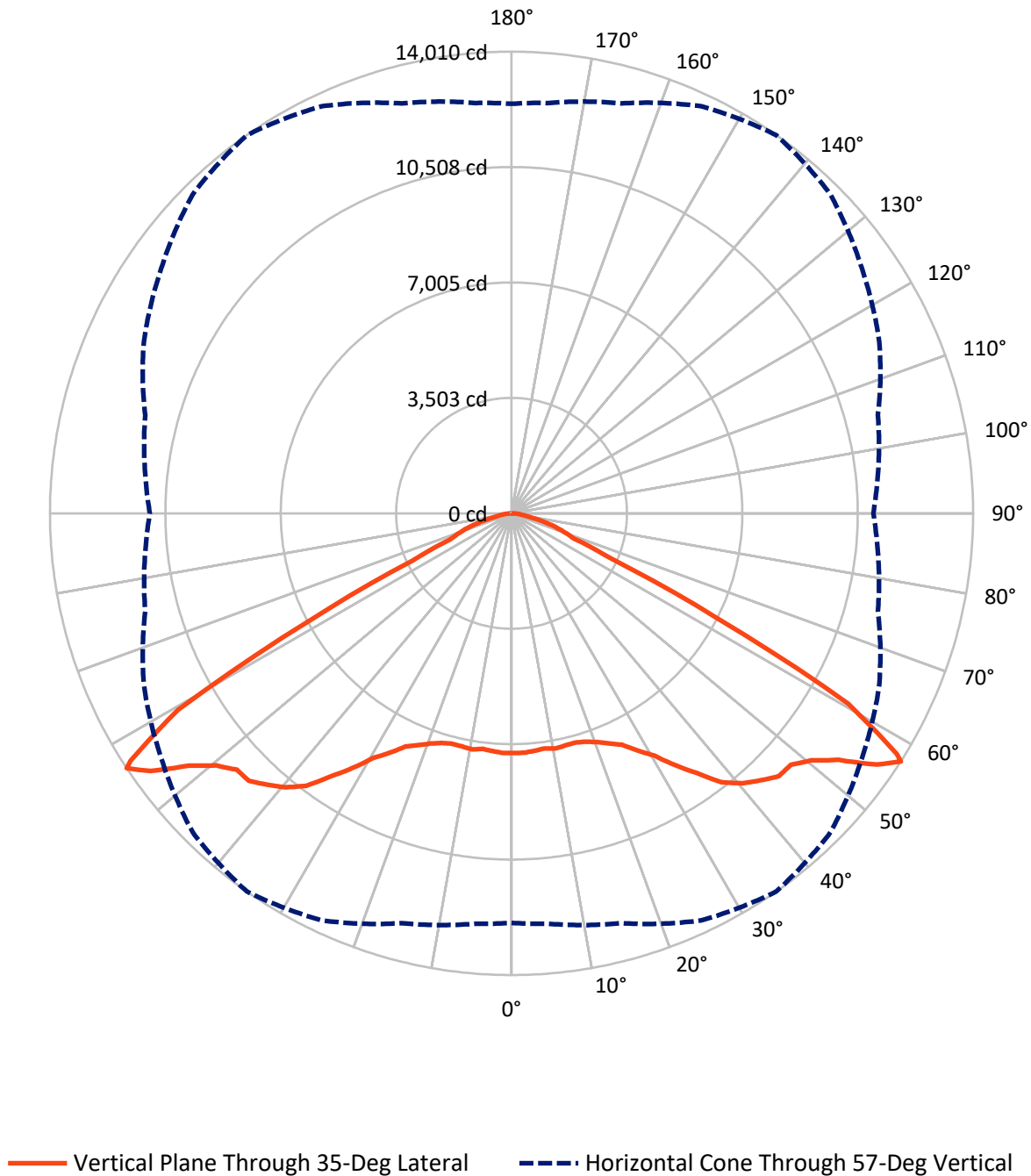


Based on 25 foot mounting height. Maximum calculated value = 11.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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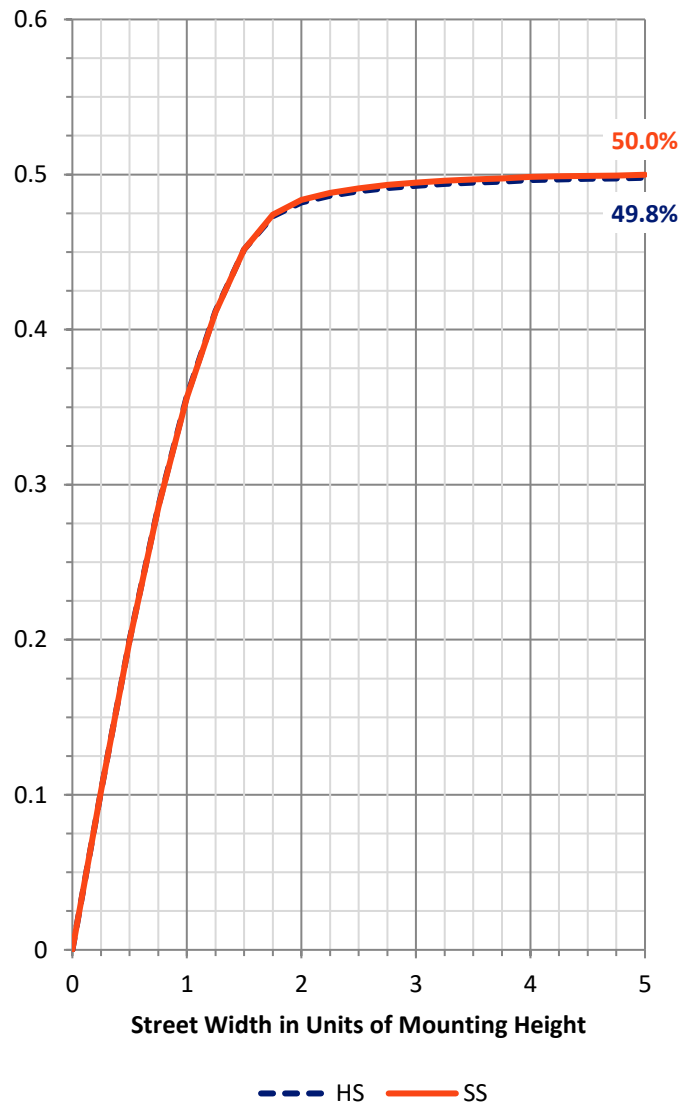
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18418.5	0.0	18418.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18418.5	0.0	18418.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36837.0	0.0	36837.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.7	1.9
10°-20°	2042.7	5.5
20°-30°	3567.5	9.7
30°-40°	5845.5	15.9
40°-50°	8570.9	23.3
50°-60°	10795.8	29.3
60°-70°	4060.2	11.0
70°-80°	1079.6	2.9
80°-90°	185.1	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°	36837.0	100.0
0°-180°	36837.0	100.0

Coefficient of Utilization



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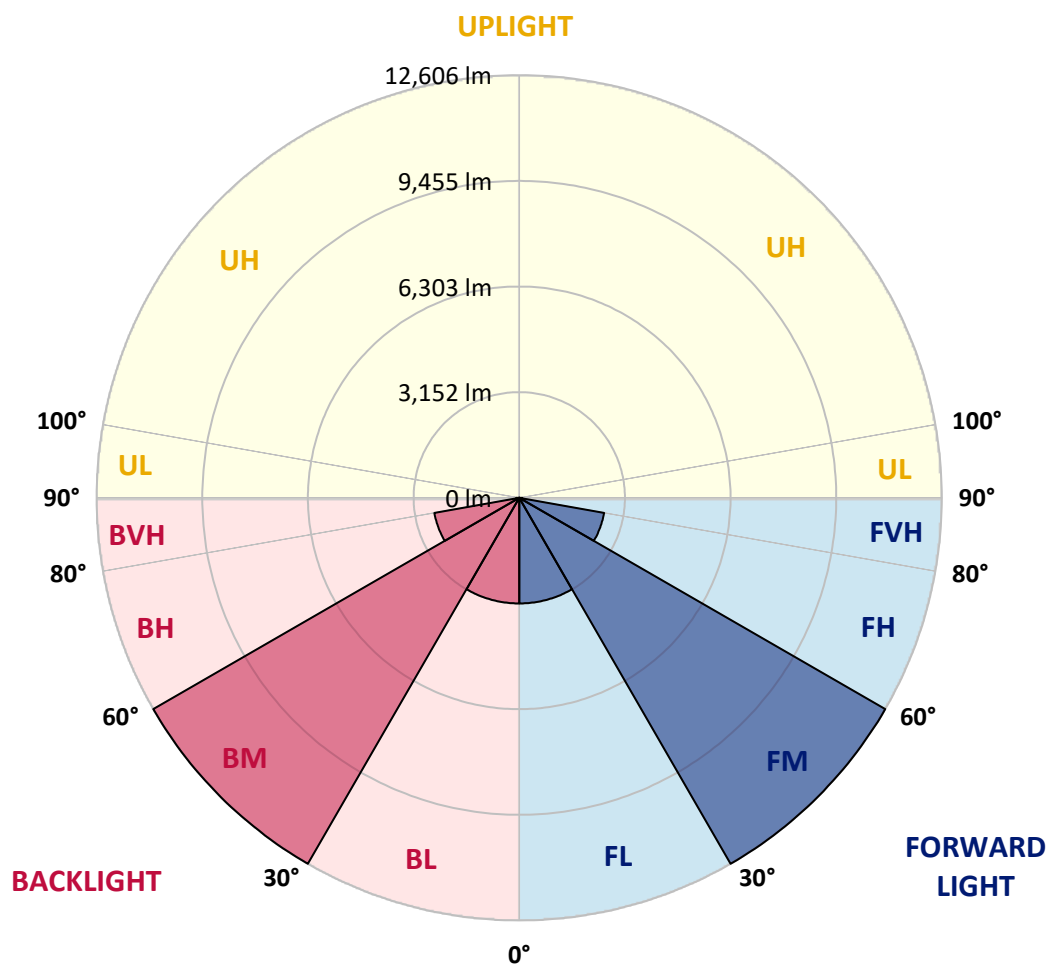
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3150.0	8.6			
FM	(30°-60°)	12606.1	34.2			
FH	(60°-80°)	2569.9	7.0			G2/5000
FVH	(80°-90°)	92.6	0.3			G1/100
BL	(0°-30°)	3150.0	8.6	B4/5000		
BM	(30°-60°)	12606.1	34.2	B5		
BH	(60°-80°)	2569.9	7.0	B4/5000		G2/5000
BVH	(80°-90°)	92.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7275.0	7275.0	7275.0	7275.0	7275.0	7275.0	7275.0	7275.0	7275.0	7275.0	7275.0
2.5°	7238.7	7311.3	7279.6	7261.4	7275.0	7252.3	7216.0	7256.9	7247.8	7211.5	7197.9
5°	7220.6	7275.0	7238.7	7275.0	7238.7	7302.3	7284.1	7216.0	7297.7	7220.6	7247.8
7.5°	7207.0	7225.1	7234.2	7216.0	7202.4	7279.6	7238.7	7207.0	7161.6	7148.0	7170.7
10°	7175.2	7220.6	7152.5	7243.3	7261.4	7207.0	7207.0	7148.0	7111.7	7089.0	7166.1
12.5°	7256.9	7179.7	7170.7	7216.0	7229.7	7252.3	7188.8	7157.0	7089.0	7098.0	7084.4
15°	7161.6	7193.3	7197.9	7207.0	7220.6	7275.0	7216.0	7148.0	7120.7	7025.4	7034.5
17.5°	7197.9	7166.1	7197.9	7302.3	7284.1	7325.0	7261.4	7157.0	7093.5	7039.0	7111.7
20°	7261.4	7247.8	7261.4	7388.5	7411.2	7447.5	7393.0	7297.7	7175.2	7111.7	7148.0
22.5°	7329.5	7320.4	7329.5	7452.0	7583.6	7629.0	7574.6	7352.2	7288.7	7170.7	7129.8
25°	7452.0	7461.1	7556.4	7692.6	7778.8	7865.0	7765.2	7606.3	7402.1	7329.5	7243.3
27.5°	7724.3	7747.0	7801.5	8001.2	8150.9	8228.1	8087.4	7869.6	7742.5	7592.7	7570.0
30°	8060.2	8060.2	8155.5	8327.9	8532.2	8650.2	8477.7	8219.0	8064.7	7983.0	7933.1
32.5°	8504.9	8455.0	8491.3	8795.4	9113.1	9212.9	8981.5	8663.8	8418.7	8309.8	8273.5
35°	8886.2	8917.9	8999.6	9326.4	9680.4	9911.8	9548.8	9135.8	8886.2	8786.3	8768.2
37.5°	9380.8	9435.3	9476.2	9925.5	10352.1	10438.3	10088.8	9757.5	9453.5	9371.8	9326.4
40°	10079.8	10043.5	10057.1	10388.4	10774.1	10828.6	10483.7	10247.7	9998.1	9948.1	9948.1
42.5°	10656.1	10615.3	10660.7	10783.2	11078.2	11037.4	10846.7	10674.3	10569.9	10515.4	10569.9
45°	11005.6	10996.5	11078.2	11169.0	11377.7	11241.6	11091.8	11119.1	11019.2	10928.4	10923.9
47.5°	11386.8	11327.8	11427.7	11563.8	11405.0	11341.4	11332.4	11391.4	11359.6	11200.7	11150.8
50°	11572.9	11550.2	11709.0	11867.9	11781.7	11636.4	11668.2	11763.5	11355.0	11141.7	11019.2
52.5°	12072.1	12076.7	12380.7	12467.0	12430.6	12217.3	12285.4	12026.7	11545.7	11246.1	11259.7
55°	12857.3	12825.5	13165.9	13420.0	13460.9	13188.6	12861.8	12498.7	11895.1	11591.0	11500.3
57°	12426.1	12498.7	12875.4	13628.8	14010.0	13687.8	12975.3	12312.6	11509.4	11141.7	10978.4
57.5°	11849.7	11967.7	12621.3	13379.2	13778.5	13751.3	12834.6	11967.7	11250.7	10678.8	10692.4
60°	8681.9	8704.6	9294.6	10497.3	11745.3	11772.6	10656.1	9507.9	8709.2	8087.4	8173.6
62.5°	4579.2	4683.6	4919.6	5886.3	6966.4	7229.7	6553.4	5963.4	5273.6	4801.6	4847.0
65°	2423.5	2409.9	2523.3	2795.6	3326.6	3462.8	3372.0	2904.6	2664.0	2586.9	2591.4
67.5°	1969.7	1992.4	1978.7	1992.4	2028.7	2087.7	2074.0	2092.2	2105.8	2128.5	2124.0
70°	1670.1	1670.1	1679.2	1683.7	1683.7	1711.0	1742.7	1801.7	1806.3	1829.0	1838.0
72.5°	1316.1	1307.1	1320.7	1352.4	1357.0	1379.7	1425.1	1461.4	1475.0	1475.0	1447.7
75°	894.1	903.1	921.3	948.5	975.8	1016.6	1052.9	1075.6	1084.7	1071.1	1057.4
77.5°	503.8	512.8	526.5	567.3	599.1	635.4	676.2	698.9	721.6	726.1	698.9
80°	299.5	299.5	322.2	354.0	390.3	426.6	462.9	490.1	499.2	499.2	485.6
82.5°	181.5	186.1	204.2	236.0	267.8	290.5	322.2	344.9	363.1	358.5	349.5
85°	95.3	95.3	113.5	140.7	163.4	186.1	186.1	172.5	163.4	140.7	131.6
87.5°	31.8	27.2	36.3	36.3	31.8	36.3	36.3	40.8	40.8	40.8	40.8
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)