

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: P317297

Luminaire Tested: **GAN-SA3D-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3D-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19242 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 191
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

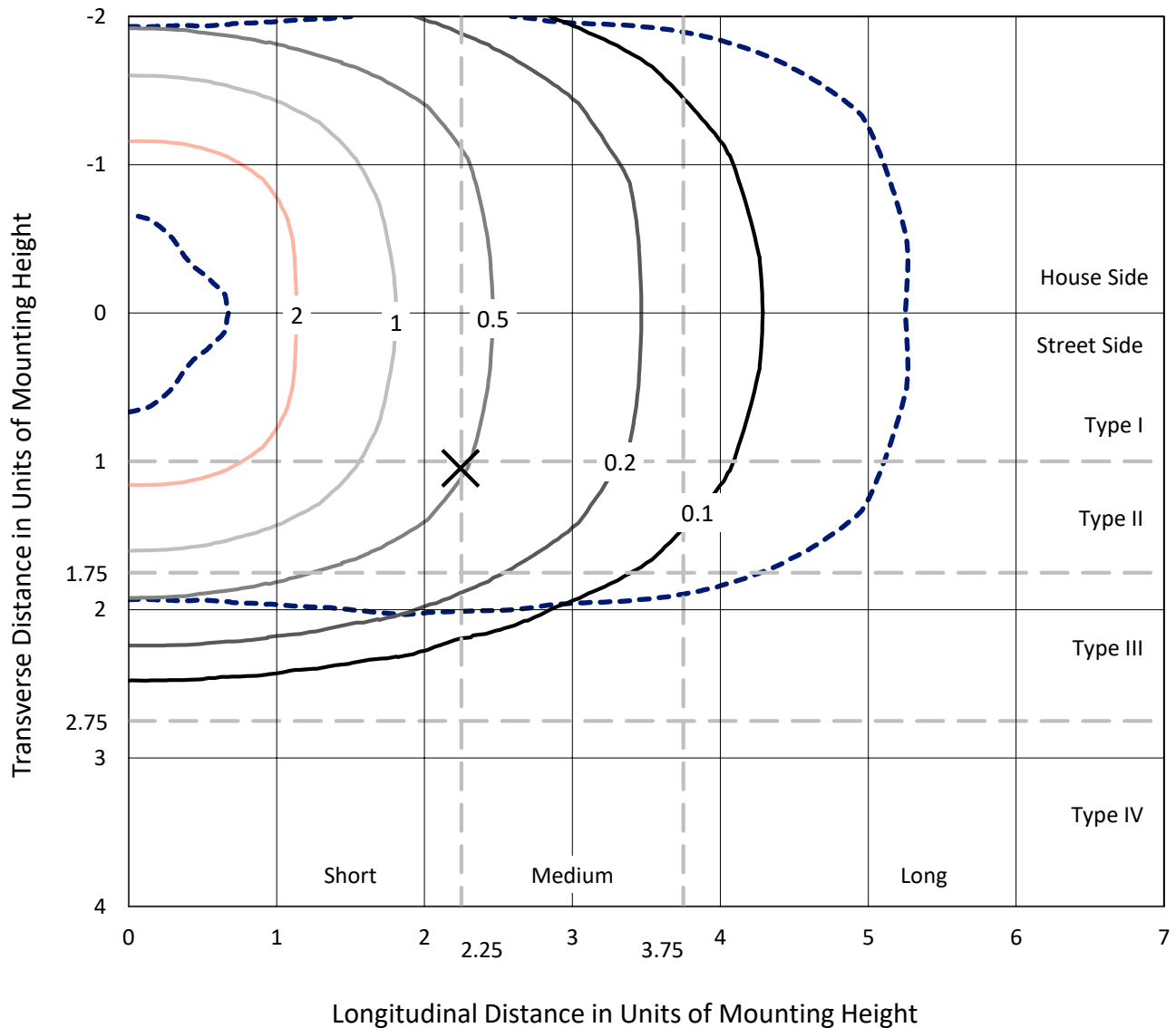


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Iso-Footcandle Lines of Horizontal Illumination

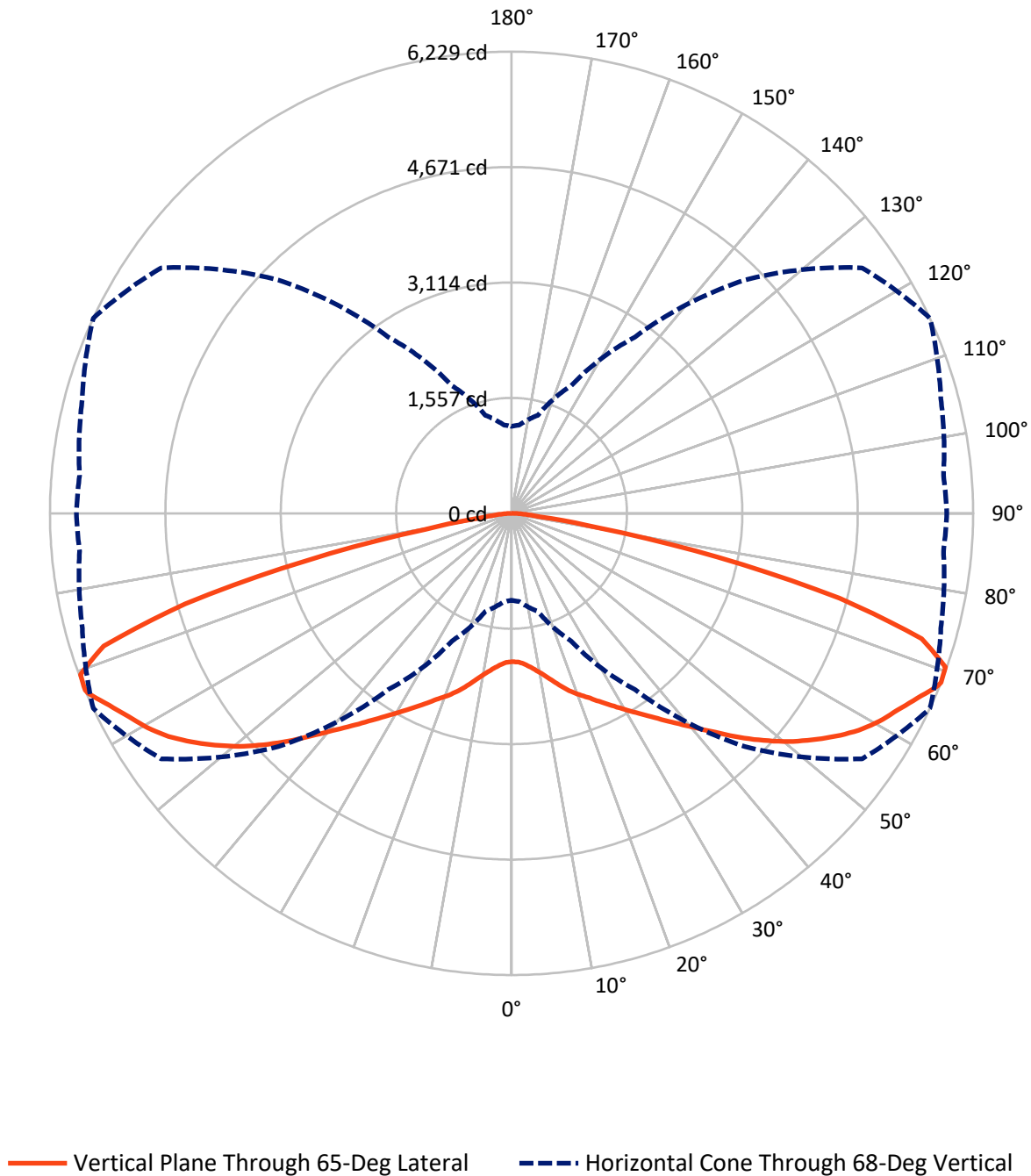
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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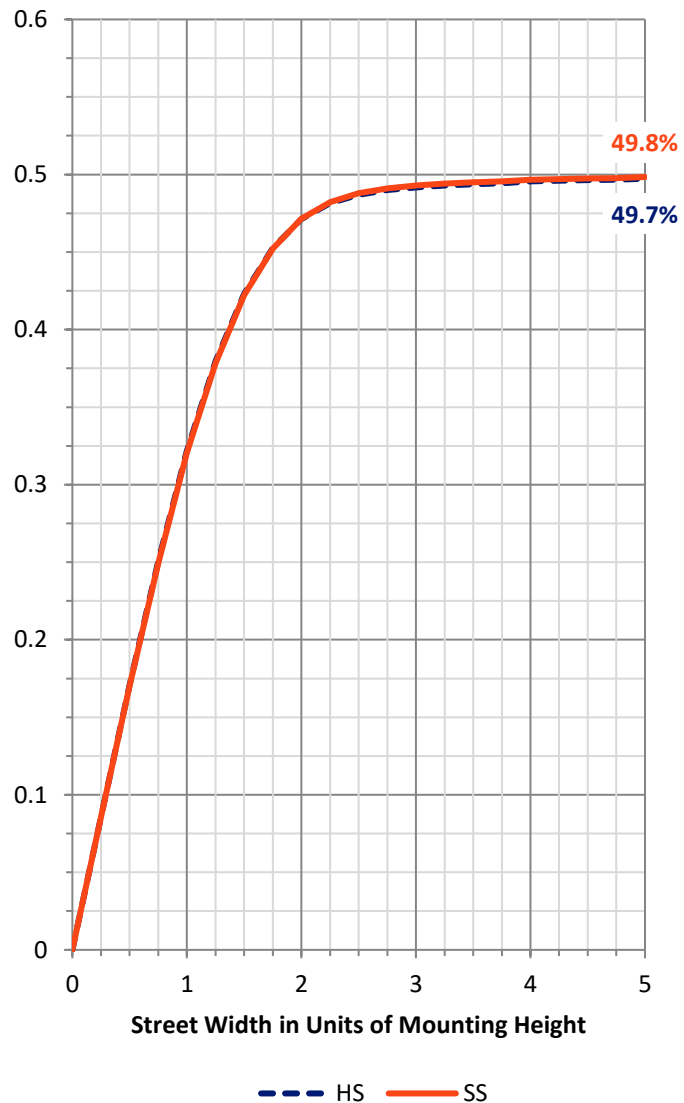
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9621.0	0.0	9621.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9621.0	0.0	9621.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19242.0	0.0	19242.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.9	1.0
10°-20°	655.9	3.4
20°-30°	1278.8	6.6
30°-40°	2148.4	11.2
40°-50°	3385.0	17.6
50°-60°	4526.9	23.5
60°-70°	4400.7	22.9
70°-80°	2405.7	12.5
80°-90°	244.7	1.3
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°	19242.0	100.0
0°-180°	19242.0	100.0

Coefficient of Utilization



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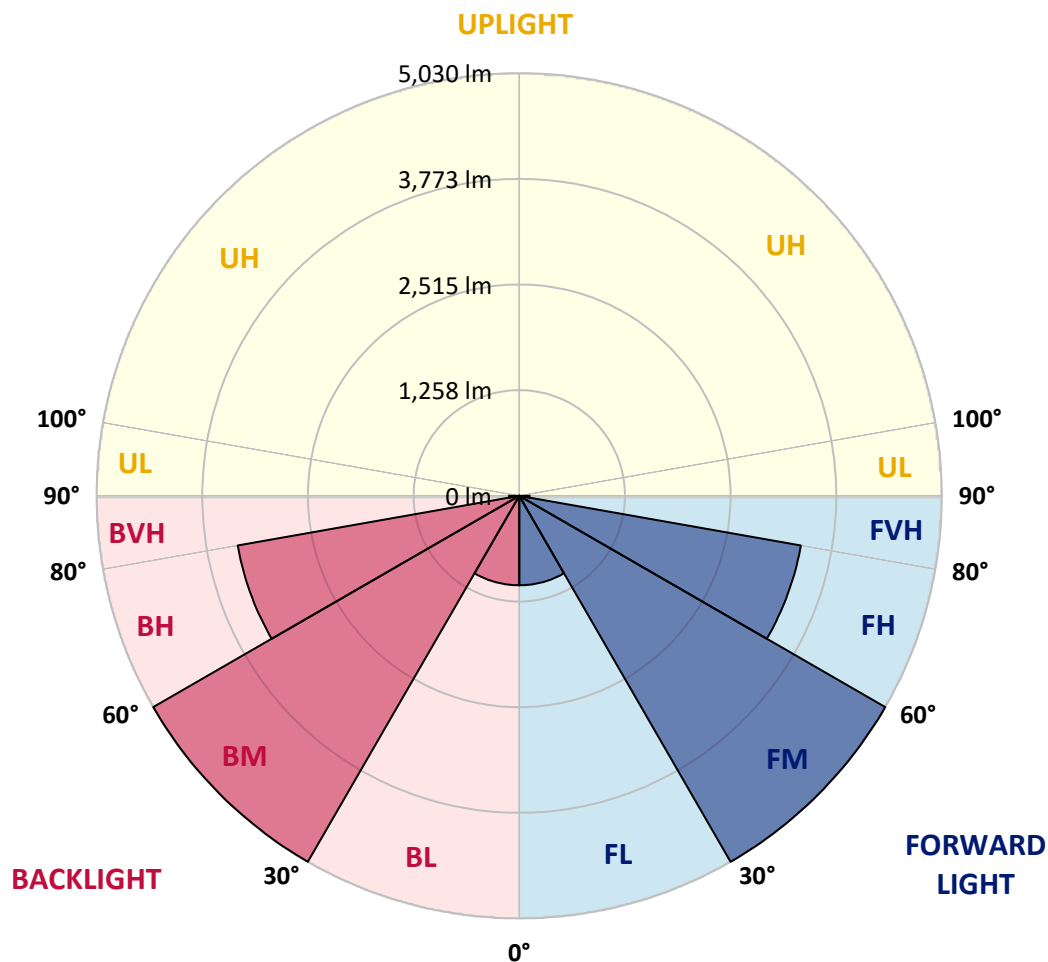
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1065.3	5.5			
FM	(30°-60°)	5030.2	26.1			
FH	(60°-80°)	3403.2	17.7			G2/5000
FVH	(80°-90°)	122.3	0.6			G2/225
BL	(0°-30°)	1065.3	5.5	B3/2500		
BM	(30°-60°)	5030.2	26.1	B4/8500		
BH	(60°-80°)	3403.2	17.7	B4/5000		G4/5000
BVH	(80°-90°)	122.3	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7
2.5°	1986.5	1987.2	1990.4	1994.3	1997.5	2005.9	2007.8	2011.0	2012.3	2015.6	2015.6
5°	1969.1	1970.4	1978.1	1988.5	2000.1	2020.7	2035.6	2052.3	2060.7	2069.7	2069.1
7.5°	1967.2	1970.4	1981.4	1998.1	2017.5	2051.7	2082.7	2116.2	2138.8	2159.4	2158.1
10°	1987.2	1992.3	2007.8	2033.0	2062.0	2104.6	2150.4	2195.6	2234.9	2266.5	2267.8
12.5°	2017.5	2023.9	2048.5	2086.5	2130.4	2185.2	2239.4	2290.4	2344.6	2391.7	2395.6
15°	2057.5	2065.9	2102.7	2159.4	2226.5	2291.7	2349.8	2402.0	2464.6	2529.8	2536.2
17.5°	2116.8	2128.5	2176.9	2253.6	2342.0	2413.6	2474.3	2513.6	2565.9	2633.0	2645.3
20°	2207.2	2222.0	2283.3	2374.9	2482.7	2557.5	2604.0	2612.3	2638.2	2698.2	2712.4
22.5°	2324.6	2337.5	2405.9	2514.9	2635.6	2716.9	2741.4	2707.8	2705.3	2753.6	2767.2
25°	2455.6	2467.2	2546.5	2669.1	2798.8	2888.5	2887.8	2822.7	2777.5	2814.9	2829.1
27.5°	2602.7	2620.7	2696.9	2825.9	2964.6	3053.0	3047.8	2947.2	2861.4	2871.1	2883.3
30°	2771.7	2791.7	2865.9	2996.9	3135.6	3222.0	3215.6	3082.7	2953.7	2927.8	2936.9
32.5°	2981.4	3005.3	3075.6	3204.6	3327.2	3405.3	3386.6	3229.8	3064.6	3008.5	3016.9
35°	3233.7	3247.9	3322.1	3449.2	3548.5	3602.1	3562.7	3400.1	3205.3	3137.5	3137.5
37.5°	3489.2	3500.1	3583.4	3706.6	3802.7	3831.1	3754.3	3586.6	3389.2	3293.0	3295.0
40°	3734.3	3764.0	3857.6	3984.0	4078.9	4086.6	3984.7	3799.5	3593.7	3494.3	3505.9
42.5°	3990.5	4019.5	4131.1	4274.3	4358.2	4371.1	4251.8	4038.2	3824.7	3744.0	3756.9
45°	4218.9	4242.1	4371.1	4537.6	4642.1	4675.6	4534.4	4311.8	4074.3	3995.6	3998.8
47.5°	4378.2	4408.5	4550.5	4746.6	4898.9	4950.5	4811.8	4578.2	4320.2	4224.7	4233.1
50°	4522.7	4538.9	4682.7	4896.9	5090.5	5197.0	5078.2	4841.5	4568.5	4467.3	4476.3
52.5°	4603.4	4624.0	4763.4	4986.6	5215.7	5387.3	5315.0	5078.2	4808.6	4709.8	4720.8
55°	4547.3	4562.7	4729.8	5006.6	5293.1	5504.7	5515.7	5309.9	5044.0	4957.6	4988.6
57.5°	4291.8	4311.1	4515.0	4877.6	5302.8	5584.1	5666.7	5524.7	5264.1	5193.7	5211.8
60°	3892.4	3904.7	4122.1	4529.8	5114.4	5617.0	5762.8	5700.2	5479.5	5409.2	5433.7
62.5°	3180.8	3198.8	3458.8	4005.3	4716.3	5519.5	5855.7	5845.4	5680.2	5615.7	5637.6
65°	2174.3	2205.9	2493.6	3184.6	4102.7	5221.5	5940.2	6014.4	5857.6	5776.3	5805.4
67.5°	1312.9	1336.2	1544.6	2102.7	3139.5	4620.2	5853.1	6206.7	5982.8	5851.8	5875.7
68°	1173.6	1194.9	1369.1	1897.5	2904.0	4450.5	5773.8	6228.6	5996.3	5850.5	5871.8
70°	709.1	723.3	840.0	1172.9	1936.2	3530.4	5232.4	6210.5	6082.8	5868.6	5880.9
72.5°	462.0	466.5	485.8	602.0	989.1	1974.3	3927.2	5787.3	6212.5	5973.8	5971.8
75°	383.9	381.3	383.2	396.8	487.8	865.8	2294.9	4571.8	5922.1	5807.9	5767.3
77.5°	324.5	322.6	321.9	322.6	326.5	418.1	996.2	2847.8	4531.8	5137.6	5173.7
80°	262.6	260.0	268.4	264.5	252.9	260.0	417.4	1184.6	2136.2	2298.1	2153.6
82.5°	191.0	181.3	217.4	207.1	197.4	183.2	230.3	382.6	509.7	349.7	245.8
85°	147.1	136.8	165.2	158.7	135.5	93.6	136.8	187.1	206.5	118.1	92.9
87.5°	60.0	63.2	119.4	94.2	79.4	45.2	56.1	74.8	100.6	50.3	38.7
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)