

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: P317050

Luminaire Tested: **GAN-SA6C-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317050
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-SA6C-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36164 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 333
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



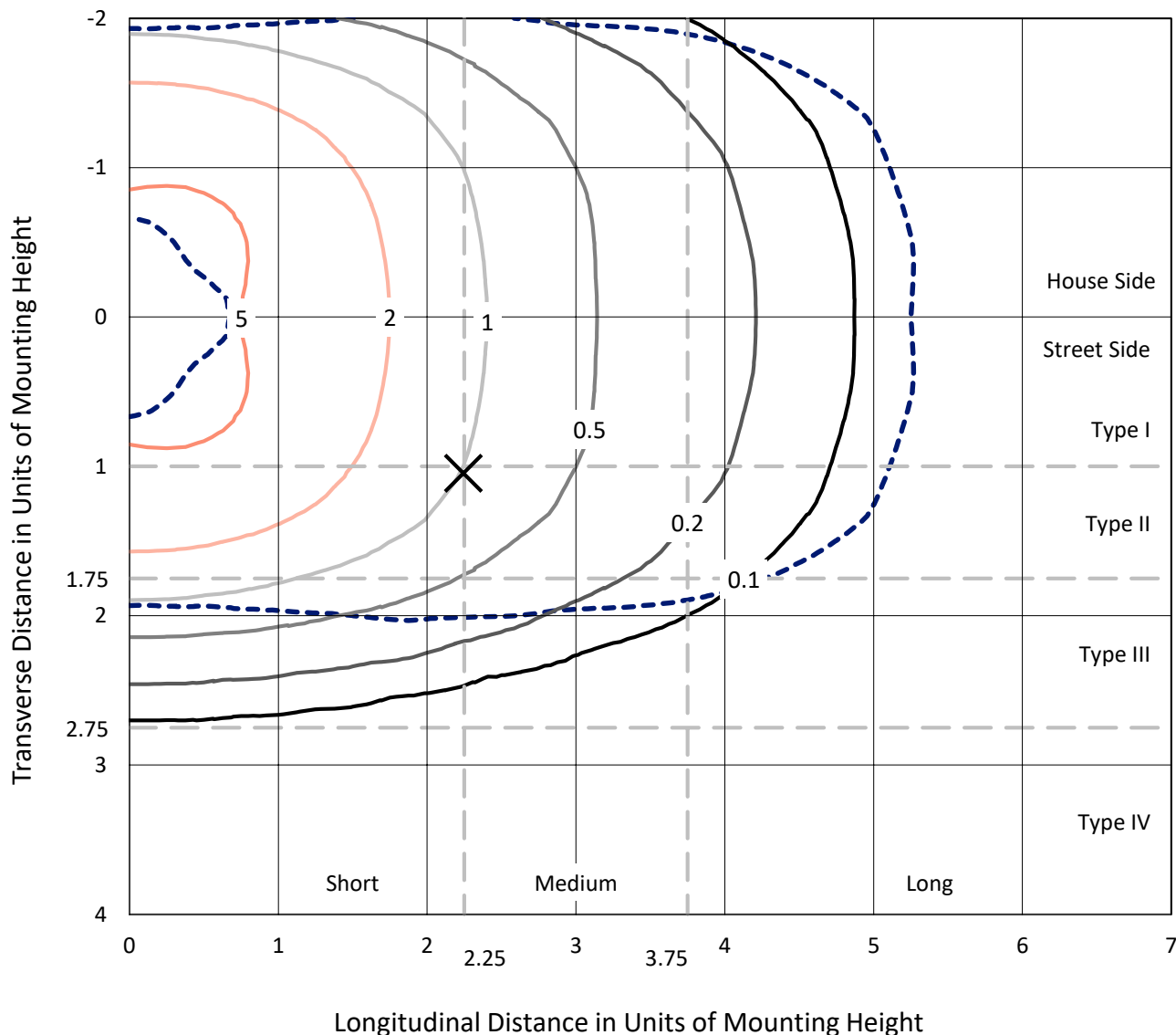
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

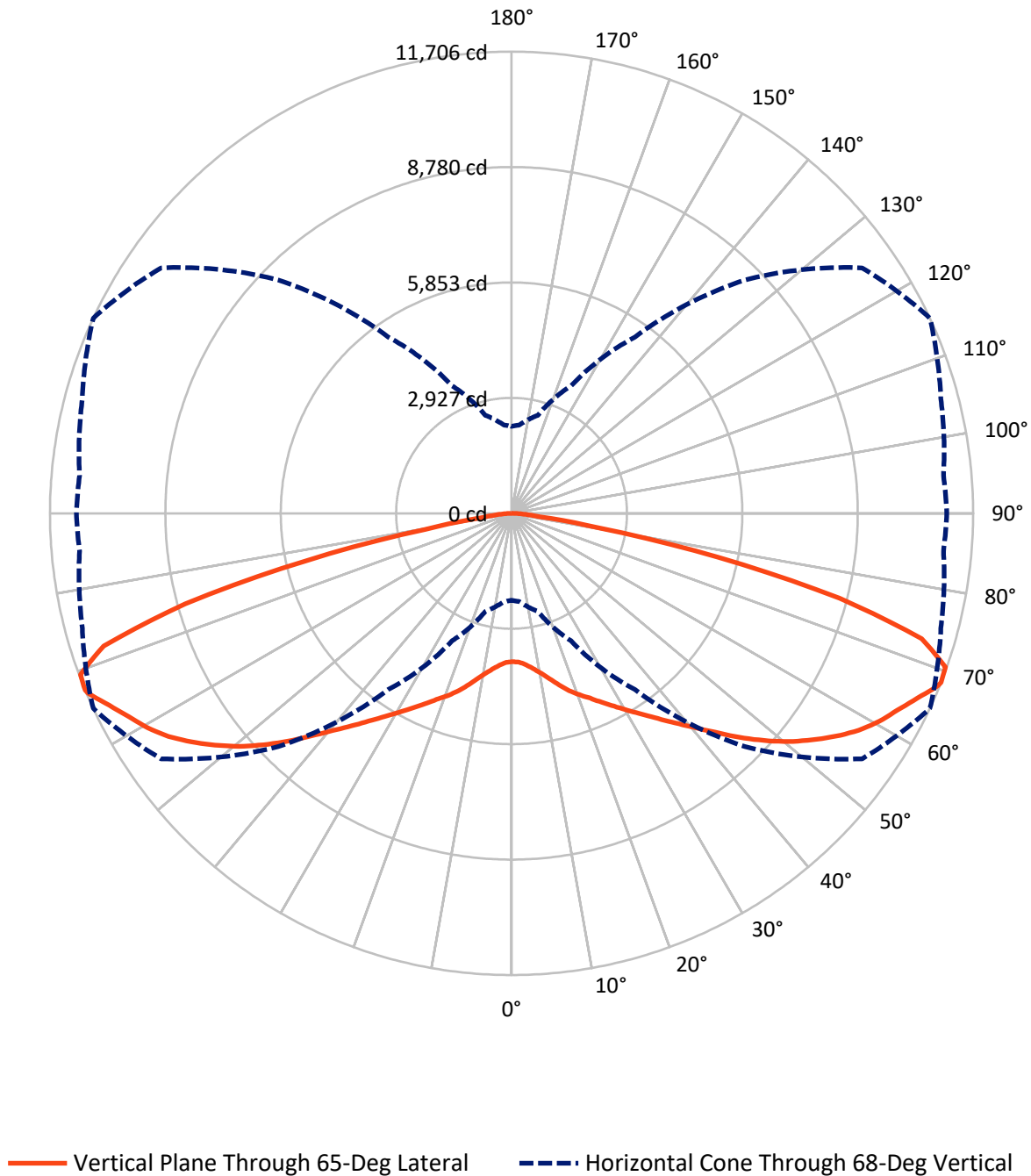
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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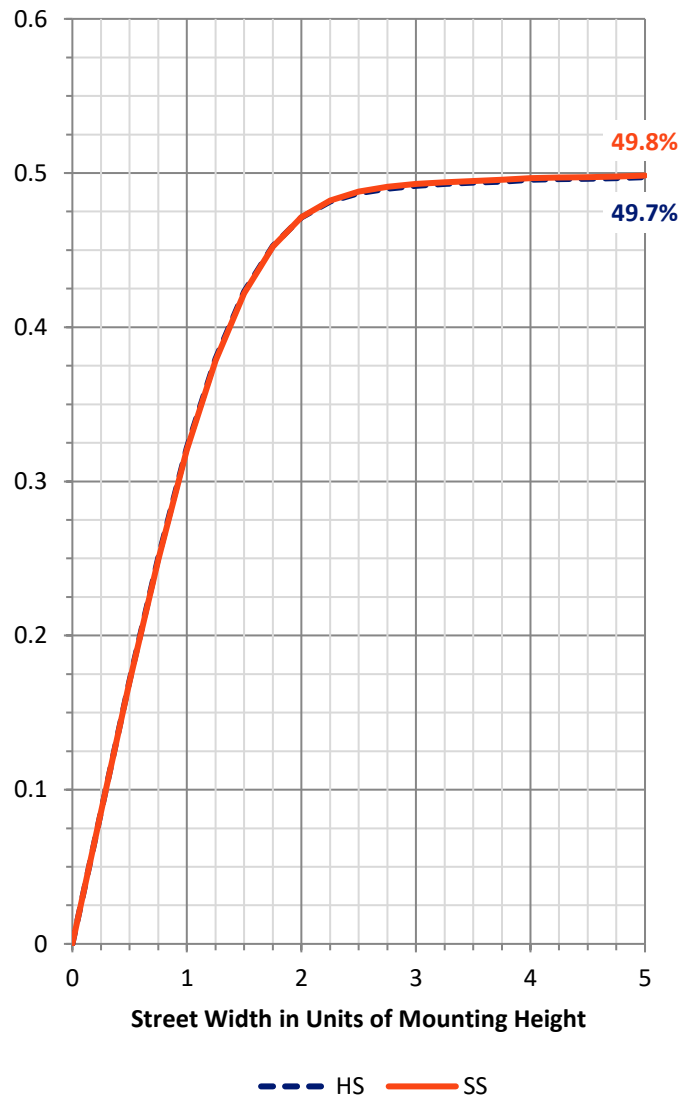
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18082.0	0.0	18082.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18082.0	0.0	18082.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36164.0	0.0	36164.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.1	1.0
10°-20°	1232.7	3.4
20°-30°	2403.5	6.6
30°-40°	4037.7	11.2
40°-50°	6362.0	17.6
50°-60°	8508.0	23.5
60°-70°	8270.9	22.9
70°-80°	4521.3	12.5
80°-90°	459.8	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°	36164.0	100.0
0°-180°	36164.0	100.0

Coefficient of Utilization



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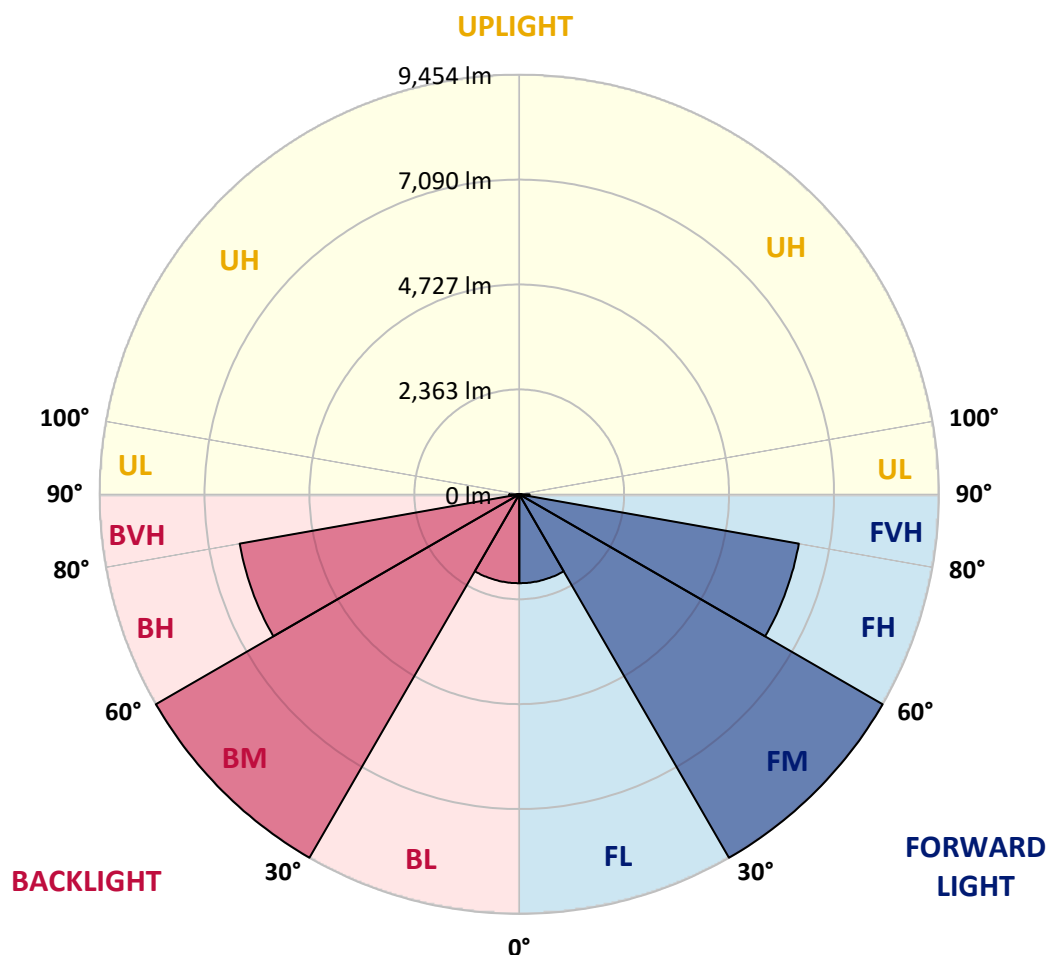
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2002.2	5.5			
FM	(30°-60°)	9453.8	26.1			
FH	(60°-80°)	6396.1	17.7			G3/7500
FVH	(80°-90°)	229.9	0.6			G3/500
BL	(0°-30°)	2002.2	5.5	B3/2500		
BM	(30°-60°)	9453.8	26.1	B5		
BH	(60°-80°)	6396.1	17.7	B5		G5
BVH	(80°-90°)	229.9	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3760.2	3760.2	3760.2	3760.2	3760.2	3760.2	3760.2	3760.2	3760.2	3760.2	3760.2
2.5°	3733.5	3734.7	3740.8	3748.1	3754.1	3769.9	3773.5	3779.6	3782.0	3788.1	3788.1
5°	3700.8	3703.2	3717.8	3737.2	3759.0	3797.8	3825.7	3857.2	3873.0	3890.0	3888.7
7.5°	3697.2	3703.2	3723.8	3755.4	3791.7	3856.0	3914.2	3977.3	4019.7	4058.5	4056.1
10°	3734.7	3744.4	3773.5	3820.8	3875.4	3955.4	4041.5	4126.4	4200.4	4259.8	4262.2
12.5°	3791.7	3803.9	3849.9	3921.5	4003.9	4107.0	4208.9	4304.7	4406.5	4495.0	4502.3
15°	3866.9	3882.7	3951.8	4058.5	4184.6	4307.1	4416.2	4514.4	4632.0	4754.5	4766.6
17.5°	3978.5	4000.3	4091.2	4235.5	4401.7	4536.3	4650.2	4724.2	4822.4	4948.5	4971.6
20°	4148.2	4176.1	4291.3	4463.5	4666.0	4806.7	4894.0	4909.7	4958.2	5071.0	5097.7
22.5°	4368.9	4393.2	4521.7	4726.6	4953.4	5106.2	5152.2	5089.2	5084.3	5175.3	5200.7
25°	4615.1	4636.9	4786.0	5016.4	5260.2	5428.7	5427.5	5305.0	5220.1	5290.5	5317.2
27.5°	4891.5	4925.5	5068.6	5311.1	5571.8	5737.9	5728.2	5539.1	5377.8	5396.0	5419.0
30°	5209.2	5246.8	5386.3	5632.4	5893.1	6055.6	6043.5	5793.7	5551.2	5502.7	5519.7
32.5°	5603.3	5648.2	5780.4	6022.9	6253.3	6400.0	6364.8	6070.2	5759.7	5654.3	5670.0
35°	6077.4	6104.1	6243.6	6482.4	6669.2	6769.8	6695.9	6390.3	6024.1	5896.8	5896.8
37.5°	6557.6	6578.2	6734.7	6966.3	7146.9	7200.3	7056.0	6740.7	6369.7	6189.0	6192.6
40°	7018.4	7074.2	7250.0	7487.7	7665.9	7680.5	7488.9	7140.9	6754.1	6567.3	6589.2
42.5°	7499.8	7554.4	7764.1	8033.3	8191.0	8215.2	7990.9	7589.5	7188.2	7036.6	7060.8
45°	7929.0	7972.7	8215.2	8528.1	8724.5	8787.6	8522.0	8103.7	7657.4	7509.5	7515.6
47.5°	8228.6	8285.5	8552.3	8920.9	9207.1	9304.1	9043.4	8604.5	8119.4	7940.0	7955.7
50°	8500.2	8530.5	8800.9	9203.5	9567.2	9767.3	9544.2	9099.2	8586.3	8395.9	8412.9
52.5°	8651.7	8690.5	8952.5	9372.0	9802.5	10125.0	9989.2	9544.2	9037.3	8851.8	8872.4
55°	8546.3	8575.4	8889.4	9409.6	9948.0	10345.7	10366.3	9979.5	9479.9	9317.5	9375.7
57.5°	8066.1	8102.4	8485.6	9167.1	9966.2	10494.9	10650.1	10383.3	9893.4	9761.3	9795.2
60°	7315.5	7338.5	7747.2	8513.5	9612.1	10556.7	10830.7	10713.1	10298.4	10166.3	10212.3
62.5°	5978.0	6012.0	6500.6	7527.7	8863.9	10373.6	11005.4	10986.0	10675.5	10554.3	10595.5
65°	4086.4	4145.8	4686.6	5985.3	7710.8	9813.4	11164.2	11303.7	11009.0	10856.2	10910.8
67.5°	2467.6	2511.2	2902.9	3951.8	5900.4	8683.3	11000.5	11665.0	11244.2	10998.1	11042.9
68°	2205.7	2245.7	2573.1	3566.2	5457.8	8364.4	10851.4	11706.2	11269.7	10995.7	11035.7
70°	1332.6	1359.3	1578.8	2204.5	3638.9	6635.2	9834.0	11672.3	11432.2	11029.6	11052.7
72.5°	868.2	876.7	913.1	1131.3	1858.9	3710.5	7381.0	10876.8	11675.9	11227.3	11223.6
75°	721.5	716.6	720.3	745.7	916.7	1627.3	4313.1	8592.3	11130.3	10915.6	10839.2
77.5°	609.9	606.3	605.1	606.3	613.6	785.8	1872.2	5352.3	8517.1	9655.8	9723.7
80°	493.5	488.7	504.4	497.2	475.3	488.7	784.5	2226.3	4014.8	4319.2	4047.6
82.5°	358.9	340.7	408.6	389.2	371.0	344.4	432.9	719.1	957.9	657.2	462.0
85°	276.5	257.1	310.4	298.3	254.6	175.8	257.1	351.6	388.0	221.9	174.6
87.5°	112.8	118.8	224.3	177.0	149.1	84.9	105.5	140.7	189.2	94.6	72.8
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)