

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: P453820

Luminaire Tested: **GLAN-SA4D-827-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P453820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4D-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23211 lumens
Efficiency: N/A
Efficacy: 94.7 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): 245
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

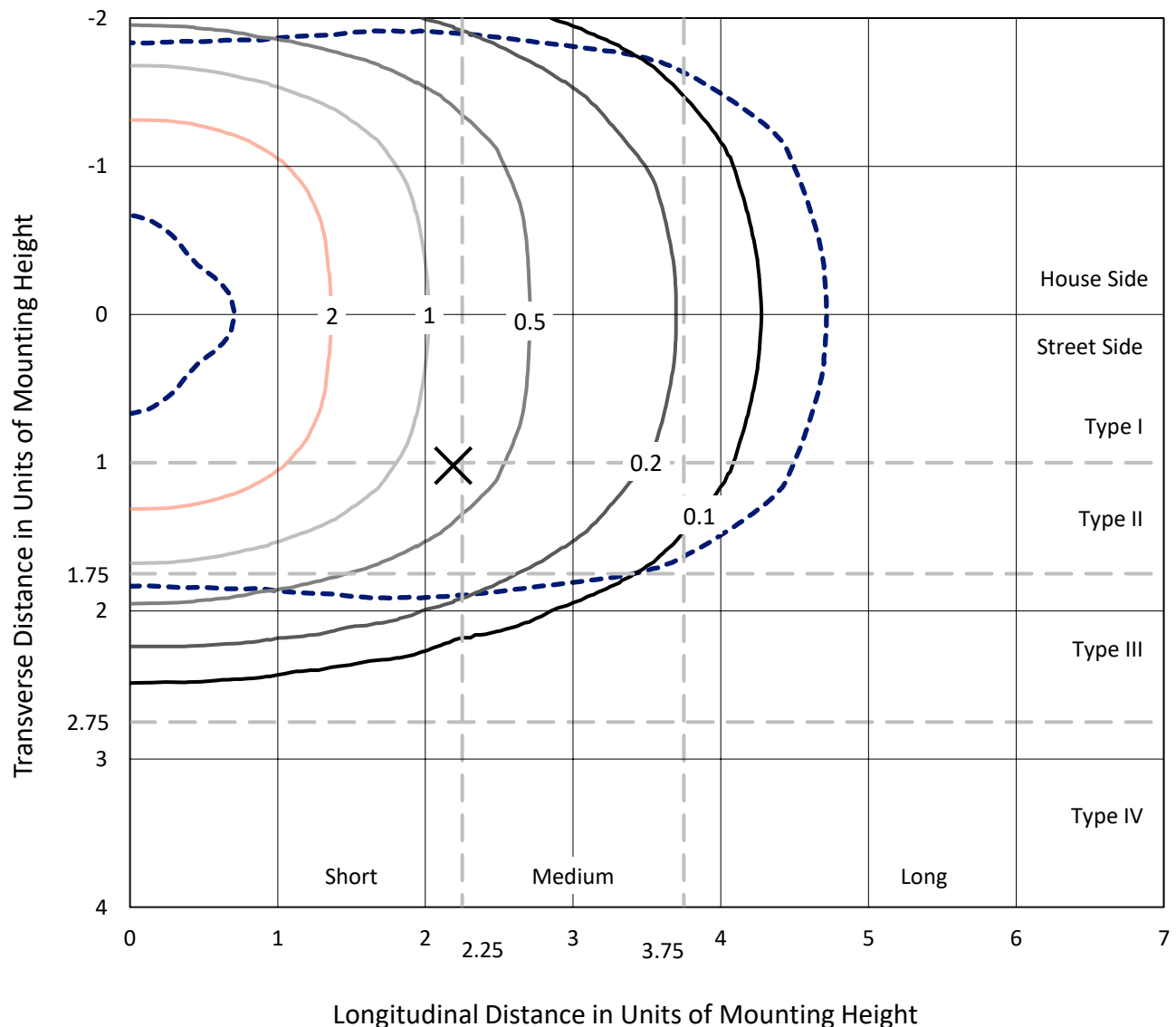


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

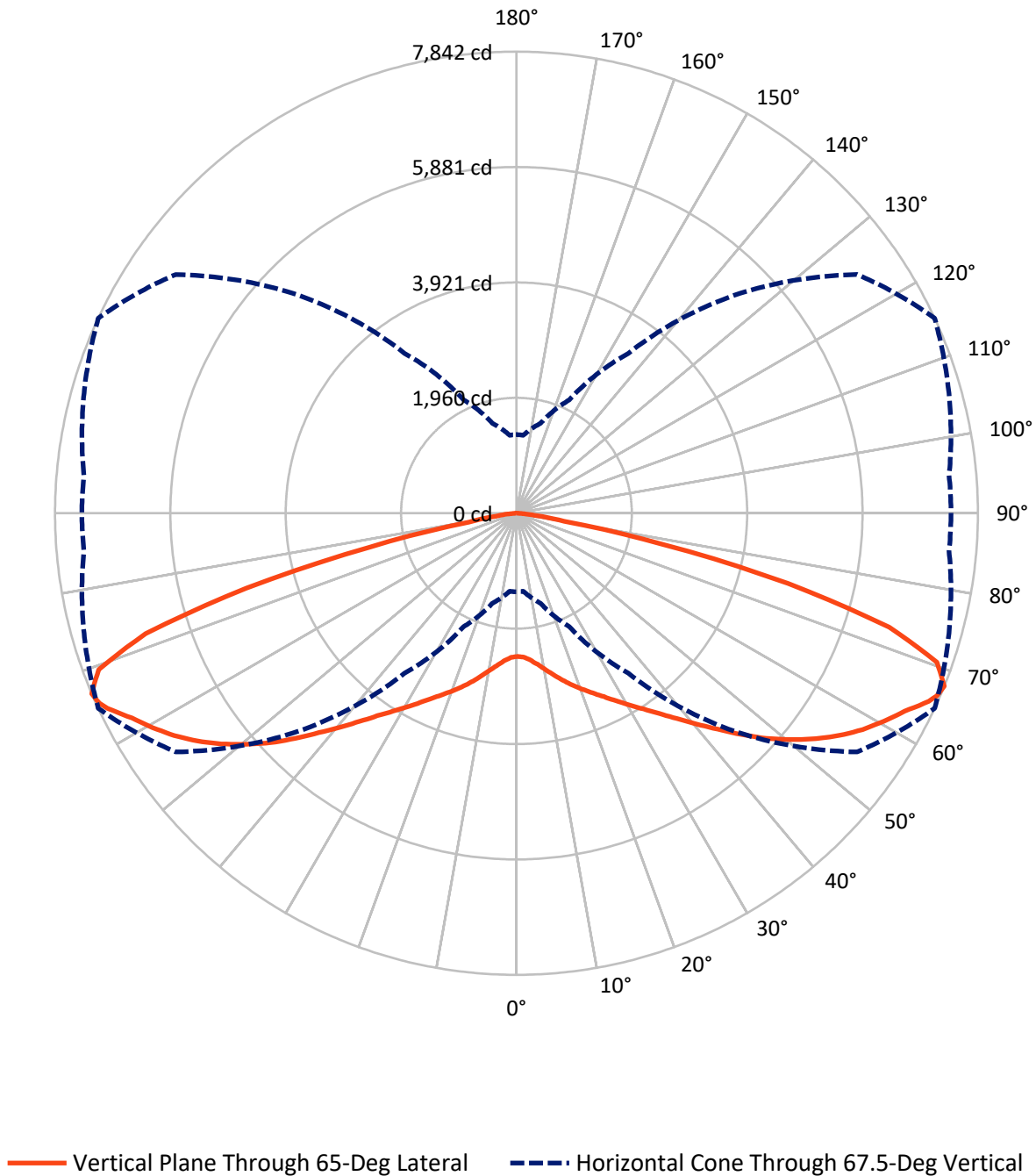


Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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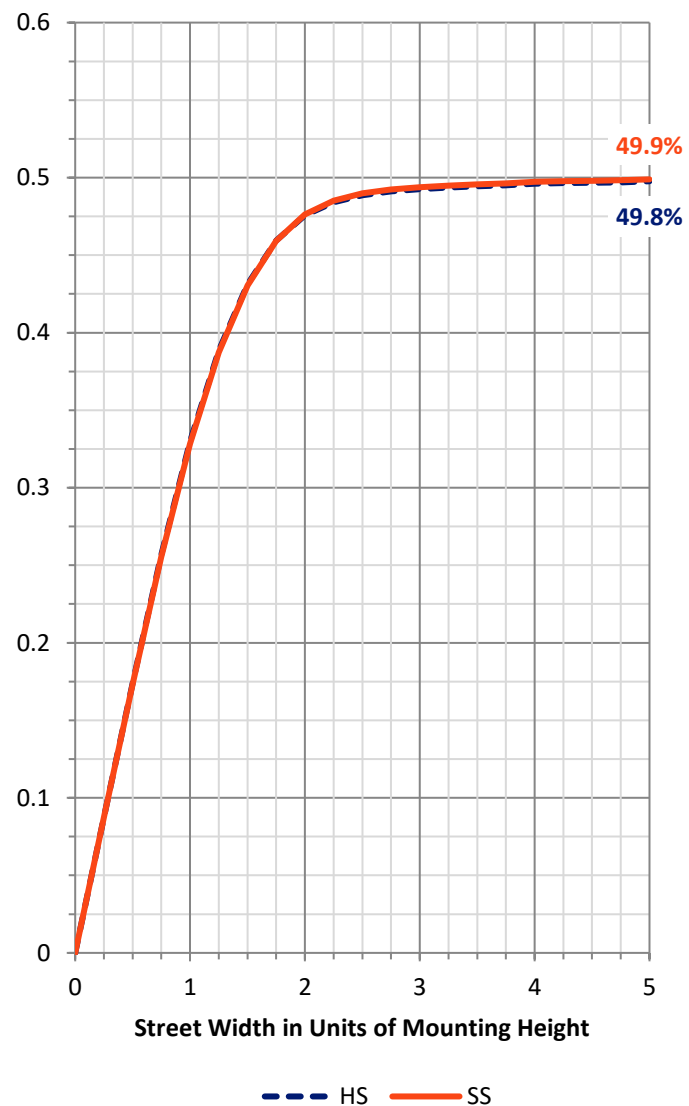
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11605.5	0.0	11605.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11605.5	0.0	11605.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23211.0	0.0	23211.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.8	1.0
10°-20°	802.5	3.5
20°-30°	1569.8	6.8
30°-40°	2670.0	11.5
40°-50°	4225.8	18.2
50°-60°	5603.3	24.1
60°-70°	5285.6	22.8
70°-80°	2612.9	11.3
80°-90°	201.4	0.9
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°	23211.0	100.0
0°-180°	23211.0	100.0

Coefficient of Utilization



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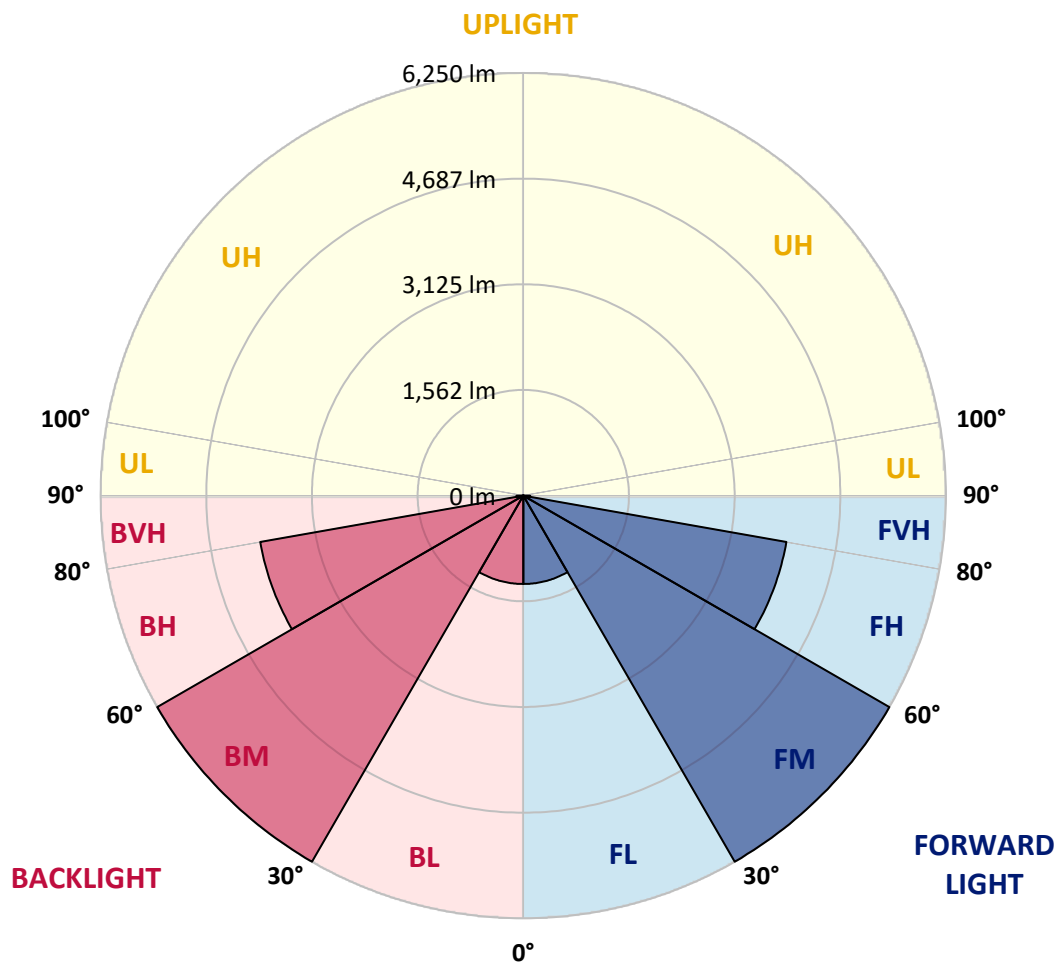
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1306.0	5.6			
FM	(30°-60°)	6249.5	26.9			
FH	(60°-80°)	3949.3	17.0			G2/5000
FVH	(80°-90°)	100.7	0.4			G2/225
BL	(0°-30°)	1306.0	5.6	B3/2500		
BM	(30°-60°)	6249.5	26.9	B4/8500		
BH	(60°-80°)	3949.3	17.0	B4/5000		G4/5000
BVH	(80°-90°)	100.7	0.4			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°	2431.1	2431.1	2431.1	2431.1	2431.1	2431.1	2431.1	2431.1	2431.1	2431.1	2431.1
2.5°	2418.7	2421.2	2423.7	2427.4	2432.4	2439.9	2444.8	2448.6	2458.5	2459.7	2458.5
5°	2410.0	2412.5	2418.7	2429.9	2446.1	2468.5	2485.9	2507.0	2523.2	2534.4	2531.9
7.5°	2408.8	2413.7	2423.7	2447.3	2478.4	2517.0	2556.7	2592.8	2623.9	2648.8	2645.0
10°	2428.7	2434.9	2451.0	2485.9	2534.4	2590.3	2646.3	2699.8	2744.5	2776.9	2788.0
12.5°	2462.2	2467.2	2497.1	2549.3	2618.9	2688.6	2752.0	2817.9	2880.1	2934.8	2934.8
15°	2520.7	2529.4	2566.7	2642.6	2728.4	2809.2	2873.9	2943.5	3010.6	3072.8	3091.5
17.5°	2601.5	2613.9	2669.9	2766.9	2876.3	2951.0	3011.9	3069.1	3127.5	3187.2	3195.9
20°	2712.2	2724.6	2799.2	2916.1	3045.5	3135.0	3176.0	3189.7	3218.3	3275.5	3283.0
22.5°	2862.7	2875.1	2958.4	3090.2	3234.5	3331.5	3348.9	3316.6	3309.1	3353.9	3358.8
25°	3033.0	3044.2	3140.0	3281.7	3431.0	3536.7	3531.7	3452.1	3407.3	3434.7	3442.2
27.5°	3224.5	3240.7	3337.7	3484.4	3646.1	3739.4	3724.4	3608.8	3513.0	3508.1	3510.6
30°	3469.5	3486.9	3578.9	3719.5	3878.6	3964.4	3933.4	3777.9	3629.9	3580.2	3580.2
32.5°	3728.2	3771.7	3865.0	4011.7	4136.1	4198.2	4151.0	3964.4	3768.0	3698.3	3694.6
35°	4065.2	4088.8	4180.8	4323.8	4417.1	4465.6	4374.8	4174.6	3948.3	3866.2	3855.0
37.5°	4394.7	4414.6	4521.6	4658.4	4771.5	4769.0	4645.9	4424.6	4172.1	4080.1	4072.6
40°	4731.7	4752.9	4874.7	5000.3	5113.5	5103.5	4954.3	4706.9	4438.2	4335.0	4354.9
42.5°	5024.0	5047.6	5185.6	5364.7	5466.7	5464.2	5291.3	5012.8	4733.0	4640.9	4658.4
45°	5290.1	5311.2	5471.6	5676.8	5826.0	5844.7	5655.7	5361.0	5073.7	4955.6	4960.5
47.5°	5477.9	5517.6	5685.5	5920.6	6123.3	6189.2	6003.9	5715.4	5384.6	5261.5	5268.9
50°	5620.9	5645.7	5828.5	6095.9	6352.1	6488.9	6339.6	6043.7	5695.5	5564.9	5582.3
52.5°	5638.3	5668.1	5867.1	6175.5	6503.8	6711.5	6638.1	6364.5	6012.6	5878.3	5915.6
55°	5496.5	5513.9	5751.4	6125.7	6563.5	6876.9	6895.5	6663.0	6314.8	6212.8	6237.7
57.5°	5092.4	5137.1	5438.1	5893.2	6481.4	6965.1	7088.3	6934.1	6620.7	6520.0	6559.7
60°	4429.5	4474.3	4776.5	5353.5	6171.8	6924.1	7247.4	7174.1	6898.0	6817.2	6838.3
62.5°	3470.8	3467.0	3841.3	4548.9	5556.2	6722.7	7365.6	7405.4	7171.6	7069.6	7101.9
65°	2249.6	2260.8	2622.7	3385.0	4627.3	6210.3	7391.7	7700.1	7440.2	7286.0	7309.6
66°	1809.4	1842.9	2150.1	2852.7	4153.5	5874.5	7313.3	7787.1	7522.3	7335.7	7346.9
67.5°	1335.6	1329.4	1581.8	2124.0	3316.6	5236.6	7068.4	7841.8	7615.5	7380.5	7385.5
70°	762.3	761.1	850.6	1166.5	1949.9	3687.1	5957.9	7579.5	7804.5	7542.2	7528.5
72.5°	557.1	553.4	565.8	644.2	951.3	1861.6	4109.9	6624.4	7707.5	7516.0	7477.5
75°	467.6	465.1	462.6	472.6	533.5	843.1	2181.2	4765.3	6687.8	7054.7	7014.9
77.5°	381.8	381.8	383.0	380.5	383.0	443.9	904.1	2554.3	4072.6	4546.4	4657.1
80°	298.5	297.2	318.3	309.6	289.7	284.8	400.4	822.0	1351.7	1344.3	1109.2
82.5°	220.1	205.2	242.5	236.3	213.9	181.6	233.8	350.7	451.4	293.5	217.6
85°	139.3	138.0	171.6	156.7	130.6	85.8	111.9	150.5	186.5	113.2	92.0
87.5°	24.9	23.6	54.7	39.8	39.8	24.9	31.1	41.0	60.9	42.3	31.1
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)