

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: P950693

Luminaire Tested: **GLAN-SB5A-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20290 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 141.7
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

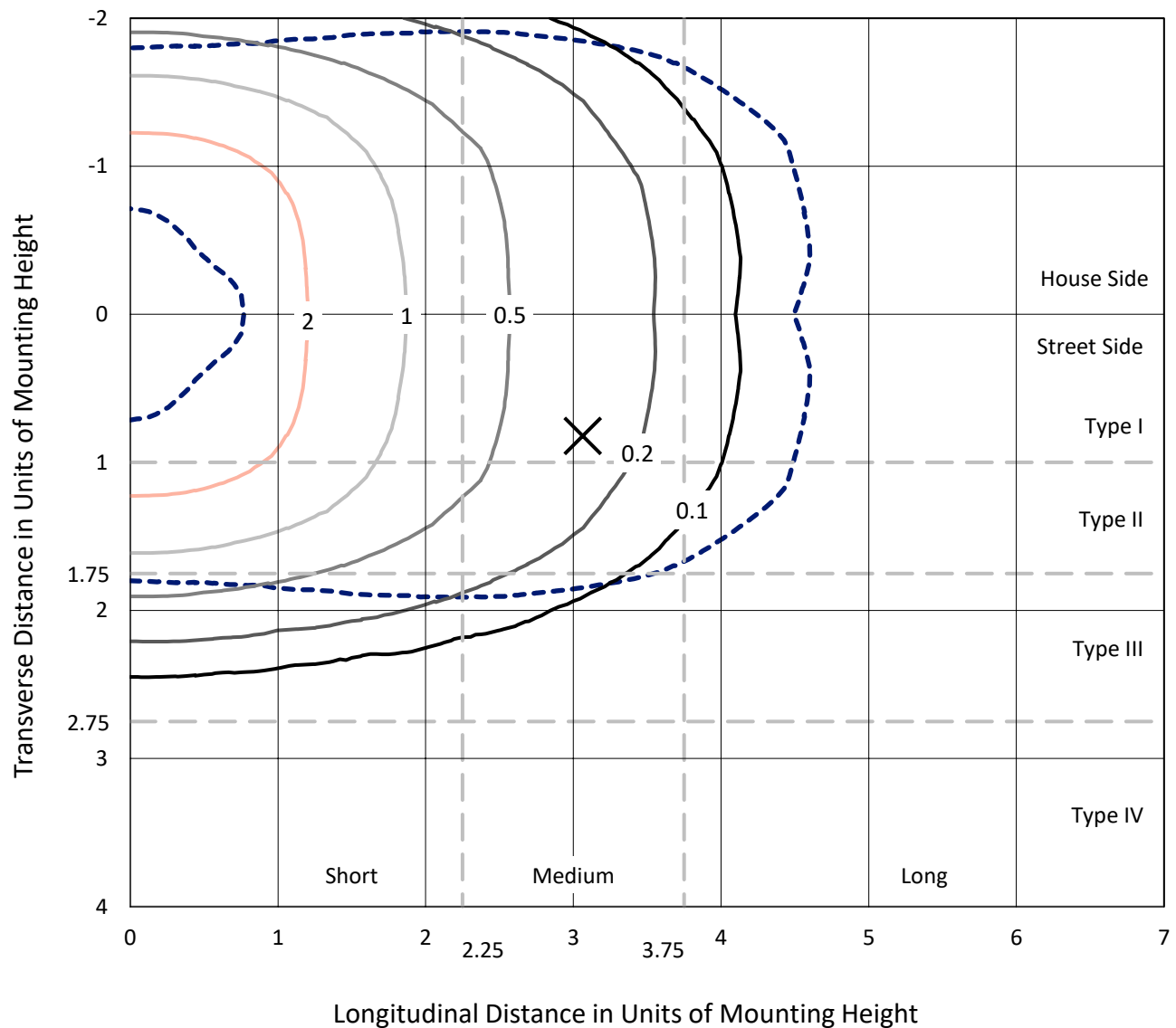


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Iso-Footcandle Lines of Horizontal Illumination

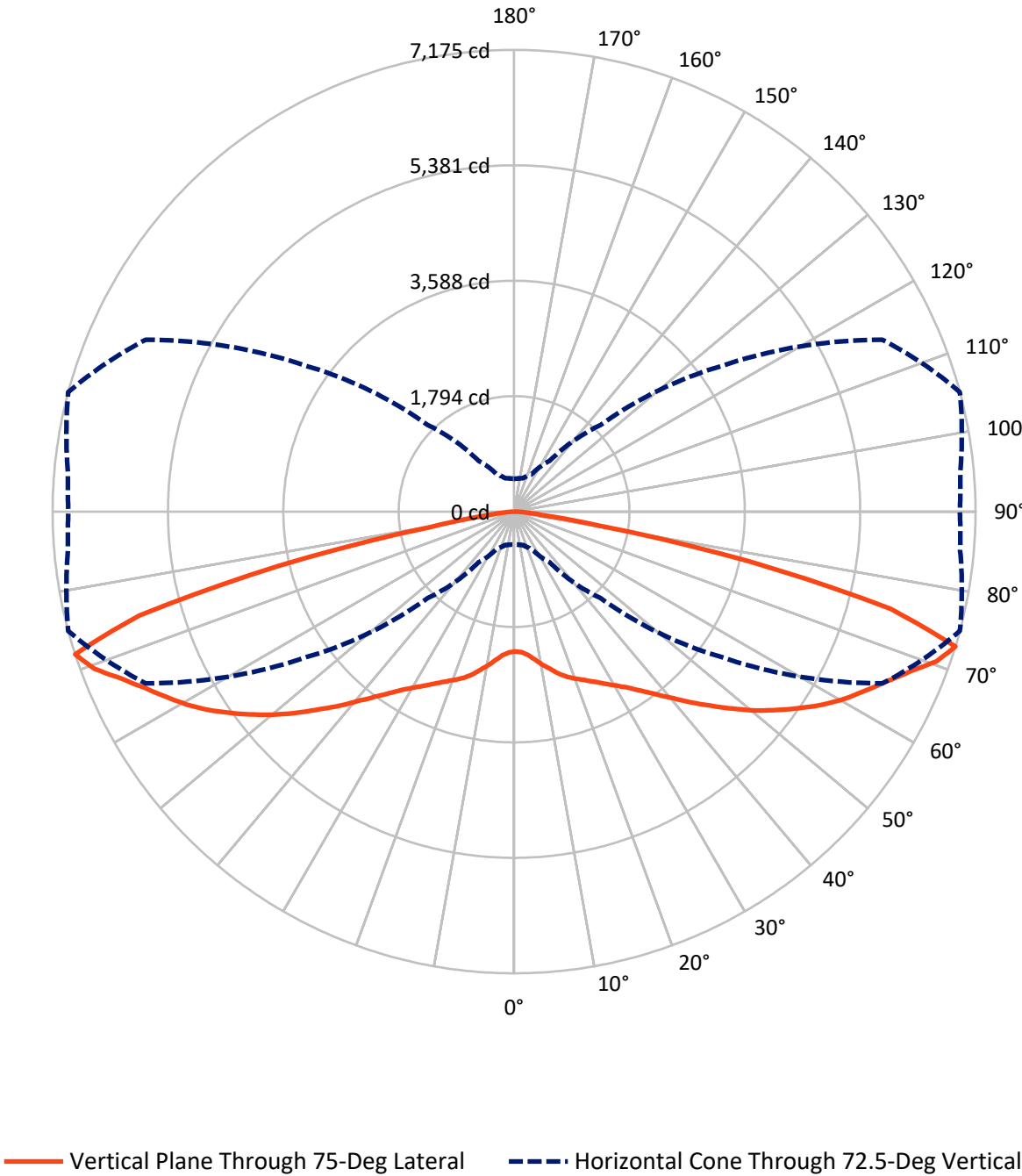
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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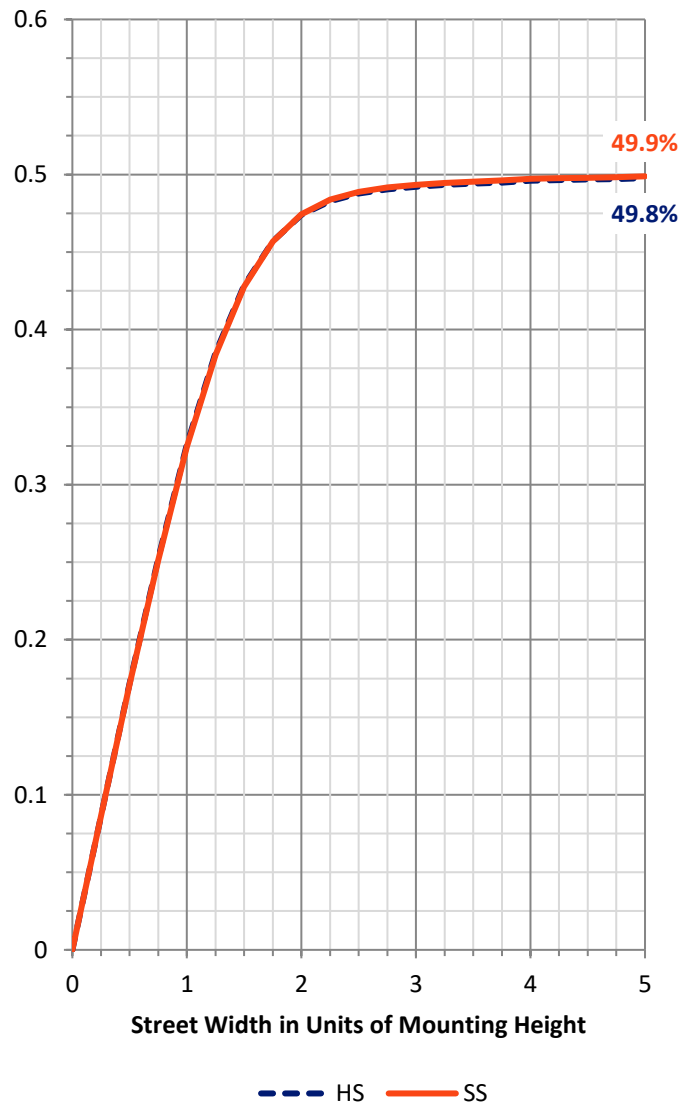
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10145.0	0.0	10145.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10145.0	0.0	10145.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20290.0	0.0	20290.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.9	1.0
10°-20°	702.2	3.5
20°-30°	1356.9	6.7
30°-40°	2291.2	11.3
40°-50°	3633.5	17.9
50°-60°	4864.8	24.0
60°-70°	4629.8	22.8
70°-80°	2415.9	11.9
80°-90°	182.9	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°	20290.0	100.0
0°-180°	20290.0	100.0

Coefficient of Utilization



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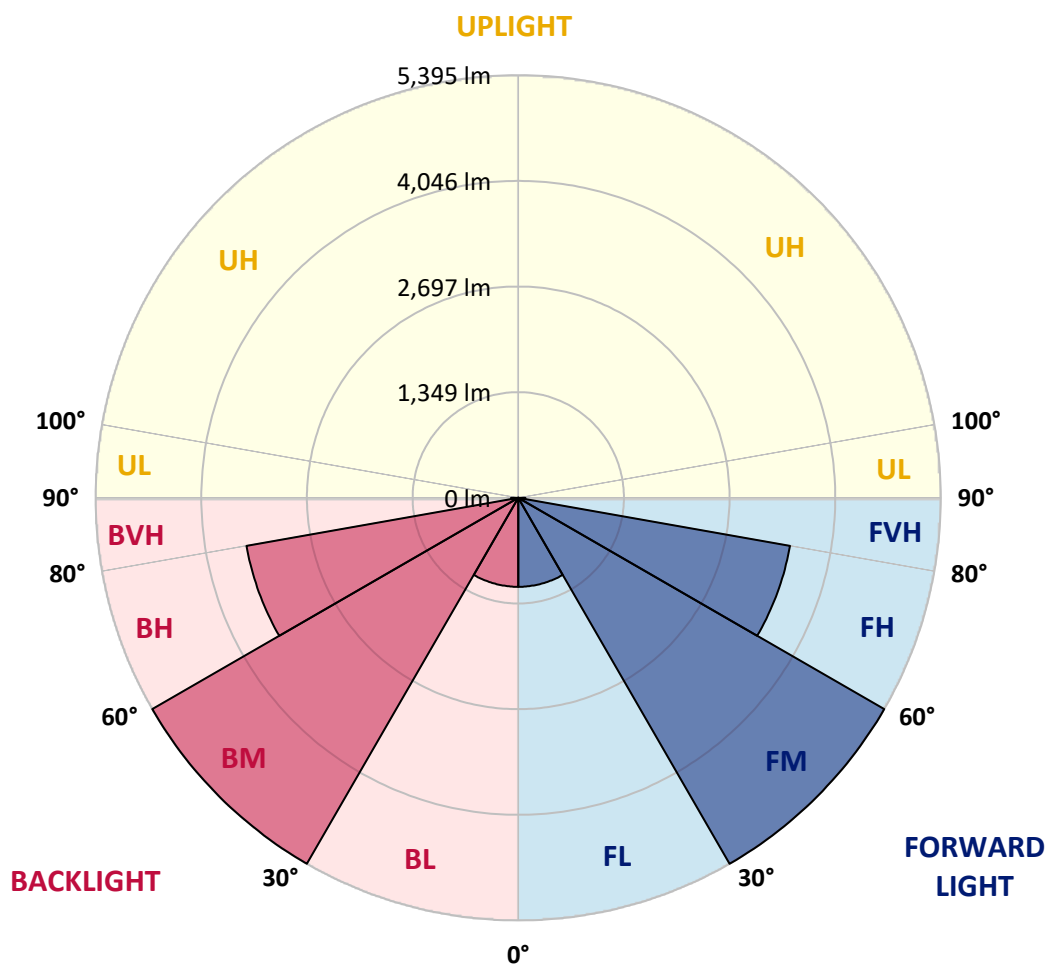
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1136.0	5.6			
FM	(30°-60°)	5394.7	26.6			
FH	(60°-80°)	3522.8	17.4			G2/5000
FVH	(80°-90°)	91.4	0.5			G1/100
BL	(0°-30°)	1136.0	5.6	B3/2500		
BM	(30°-60°)	5394.7	26.6	B4/8500		
BH	(60°-80°)	3522.8	17.4	B4/5000		G4/5000
BVH	(80°-90°)	91.4	0.5			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4	2173.4
2.5°	2173.4	2171.4	2173.4	2175.5	2174.5	2174.5	2179.6	2182.7	2189.0	2187.9
5°	2158.9	2157.9	2166.2	2175.5	2182.7	2195.2	2210.7	2222.1	2236.6	2239.7
7.5°	2151.7	2148.6	2163.1	2179.6	2202.4	2233.5	2263.5	2294.6	2319.5	2327.8
10°	2156.8	2157.9	2177.6	2208.6	2244.9	2288.4	2330.9	2383.7	2418.9	2427.2
12.5°	2180.7	2178.6	2211.8	2261.5	2311.2	2366.1	2415.8	2473.8	2512.2	2531.9
15°	2224.2	2220.0	2266.7	2340.2	2412.7	2477.0	2517.4	2572.3	2616.8	2641.7
17.5°	2276.0	2278.1	2339.2	2434.5	2529.8	2602.3	2640.6	2668.6	2702.8	2724.5
20°	2367.1	2371.3	2439.7	2552.6	2661.4	2744.2	2775.3	2764.9	2774.3	2790.8
22.5°	2489.4	2491.5	2568.1	2690.4	2804.3	2895.5	2916.2	2873.7	2847.8	2859.2
25°	2631.3	2644.8	2721.4	2846.8	2963.9	3050.9	3060.2	2996.0	2931.7	2934.8
27.5°	2804.3	2816.7	2894.4	3018.8	3137.9	3213.5	3212.5	3126.5	3032.2	3008.4
30°	2991.8	3005.3	3085.1	3213.5	3324.4	3390.7	3376.2	3273.6	3138.9	3094.4
32.5°	3214.6	3222.8	3303.6	3432.1	3534.7	3587.5	3557.5	3431.1	3263.2	3212.5
35°	3483.9	3496.3	3556.4	3677.6	3767.7	3811.3	3760.5	3611.3	3422.8	3365.8
37.5°	3791.6	3783.3	3851.7	3959.4	4034.0	4060.9	3991.5	3814.4	3605.1	3537.8
40°	4112.7	4108.6	4183.2	4286.8	4327.2	4343.7	4241.2	4047.5	3815.4	3742.9
42.5°	4403.8	4400.7	4501.2	4616.2	4664.9	4646.2	4516.7	4295.0	4058.9	3976.0
45°	4636.9	4632.8	4756.0	4917.7	5013.0	4981.9	4807.8	4568.5	4305.4	4219.4
47.5°	4816.1	4818.2	4950.8	5150.7	5317.5	5328.9	5105.2	4847.2	4576.8	4479.4
50°	4945.6	4951.8	5093.8	5315.5	5543.4	5643.9	5408.7	5133.1	4857.6	4747.8
52.5°	4977.7	4989.1	5160.1	5420.1	5688.4	5880.0	5717.4	5407.7	5123.8	5019.2
55°	4806.8	4829.6	5046.1	5411.8	5777.5	6035.4	5988.8	5686.3	5392.1	5284.4
57.5°	4414.2	4446.3	4699.1	5176.6	5757.8	6142.1	6199.1	5953.6	5660.4	5556.8
60°	3864.1	3902.4	4144.8	4665.9	5480.2	6181.5	6347.3	6213.6	5907.0	5806.5
62.5°	3034.3	3084.0	3374.1	3985.3	4893.8	5998.1	6473.6	6448.8	6128.7	6003.3
65°	1946.5	1999.4	2305.0	3027.0	4111.7	5436.7	6513.0	6677.7	6362.8	6187.7
67.5°	1173.7	1197.6	1348.8	1834.7	3005.3	4590.3	6179.4	6931.5	6636.3	6418.7
70°	751.1	764.5	854.7	1077.4	1699.0	3349.2	5352.8	6979.2	6967.8	6656.0
72.5°	509.7	513.8	537.7	638.1	961.4	1903.0	3948.0	6318.3	7175.0	6961.6
75°	372.9	395.7	434.1	451.7	545.9	951.0	2262.5	4439.0	6046.8	6140.1
77.5°	277.6	278.7	331.5	352.2	389.5	506.6	957.2	2478.0	3754.3	3941.8
80°	235.2	222.7	221.7	283.9	293.2	316.0	427.8	855.7	1344.7	815.3
82.5°	195.8	182.3	164.7	221.7	199.9	193.7	185.4	348.1	427.8	210.3
85°	136.7	130.5	124.3	145.0	114.0	97.4	89.1	162.6	180.3	89.1
87.5°	59.0	61.1	62.2	64.2	47.7	34.2	34.2	45.6	45.6	35.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2173.4
2186.9
2239.7
2329.9
2435.5
2540.1
2651.0
2734.9
2803.3
2867.5
2940.0
3015.6
3099.6
3224.9
3374.1
3550.2
3766.7
3996.7
4239.1
4508.5
4780.9
5046.1
5314.4
5580.7
5828.3
6017.8
6209.5
6435.3
6653.9
6928.4
5914.2
3516.0
616.4
179.2
78.7
25.9
0.0

OF REPORT)