

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: P635869

Luminaire Tested: **IFLD-S-SA2C-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635869
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6679.8 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2
Input Voltage (V): 120
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: 25 FT



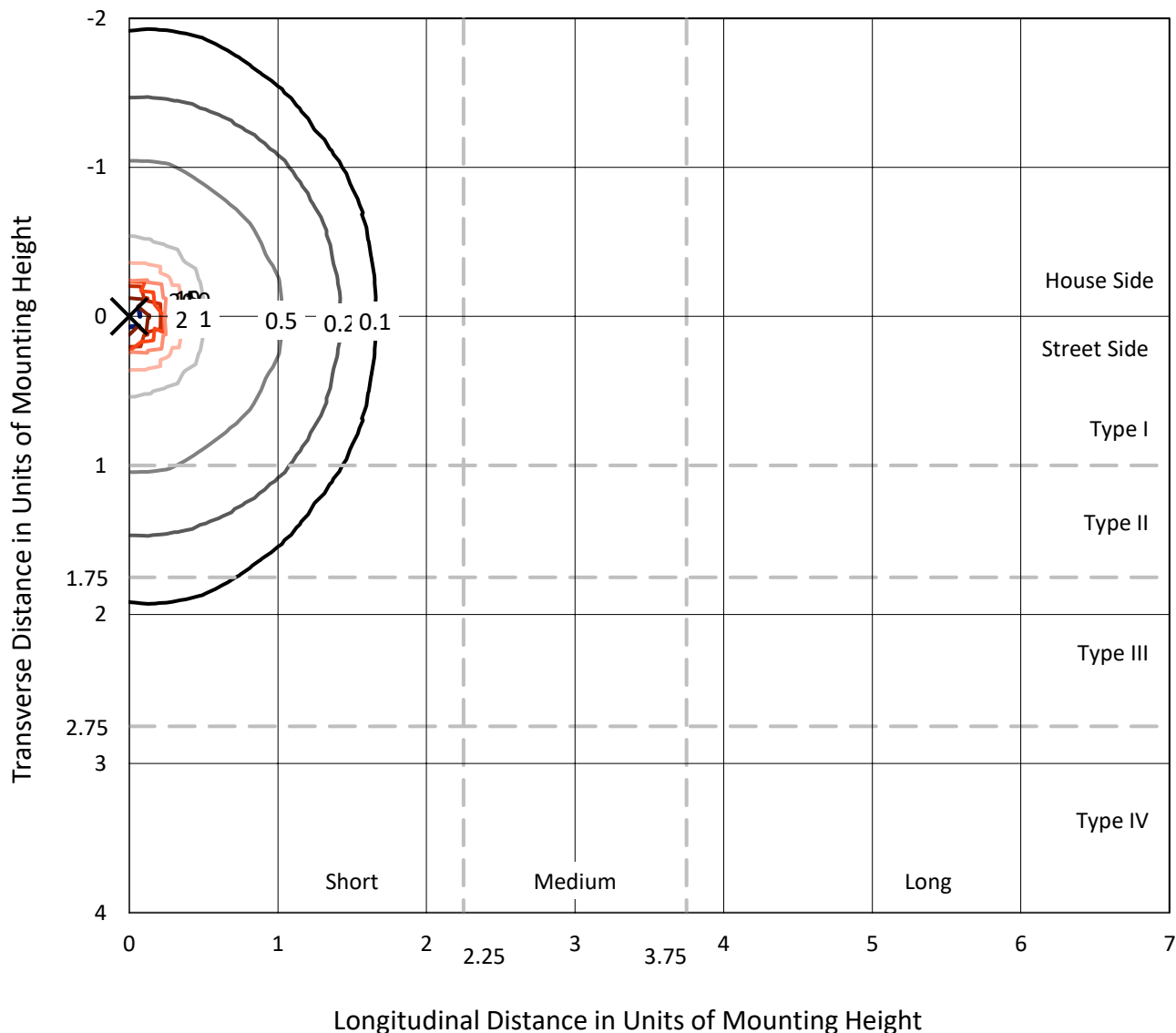
REPORT NUMBER: P635869

CATALOG NUMBER: IFLD-S-SA2C-930-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

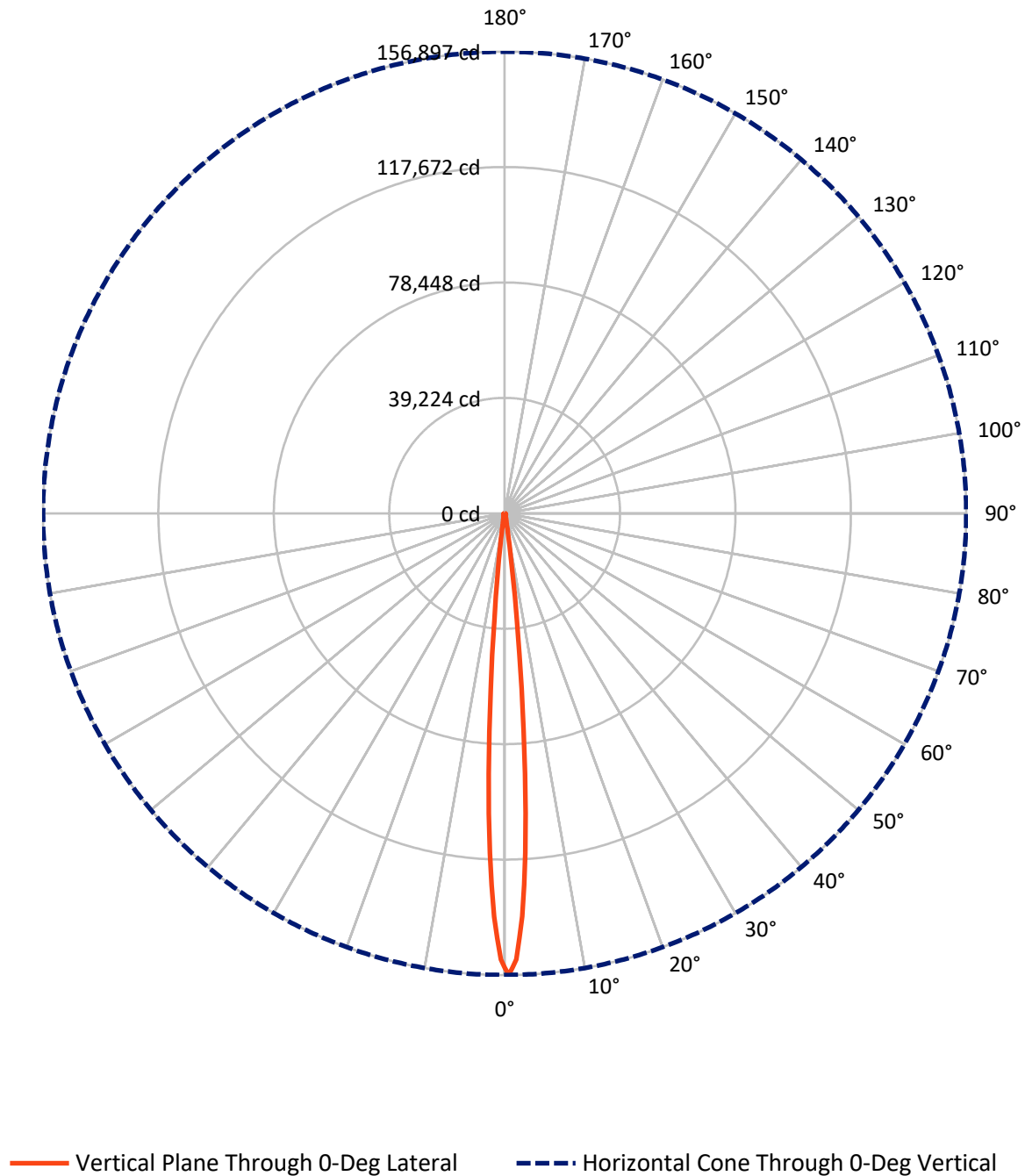


Based on 20 foot mounting height. Maximum calculated value = 392.2 fc

Type V - Short - N/A

REPORT NUMBER: P635869
CATALOG NUMBER: IFLD-S-SA2C-930-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635869

CATALOG NUMBER: IFLD-S-SA2C-930-U-11-VI

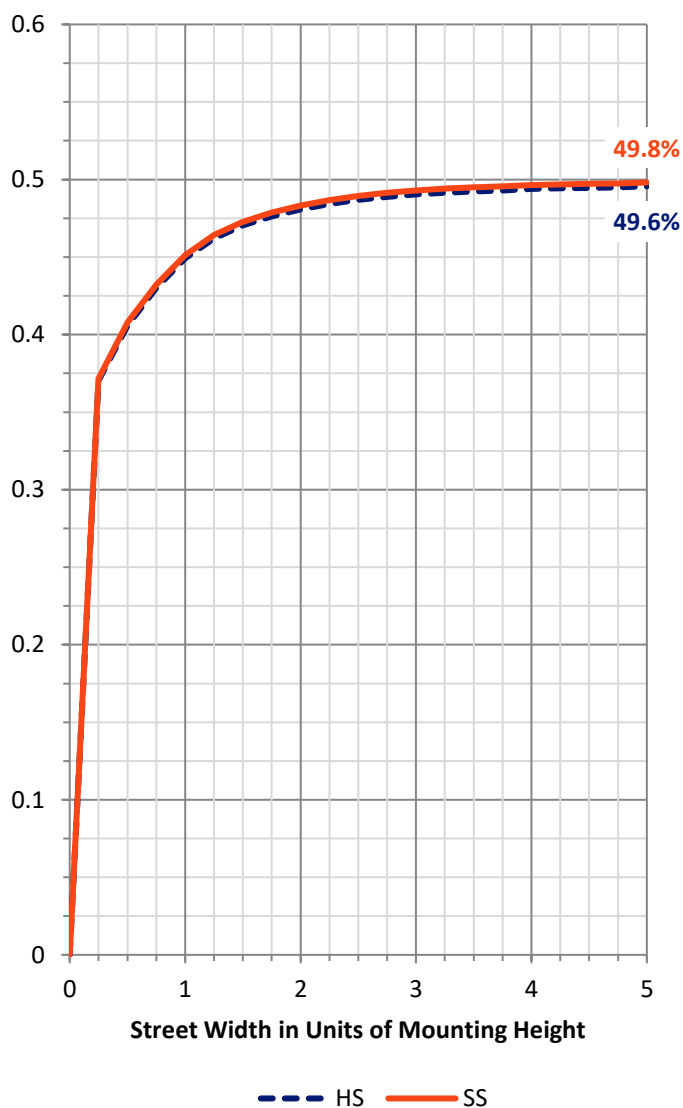
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3339.9	0.0	3339.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3339.9	0.0	3339.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6679.8	0.0	6679.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4216.1	63.1
10°-20°	521.1	7.8
20°-30°	312.2	4.7
30°-40°	335.7	5.0
40°-50°	451.3	6.8
50°-60°	402.3	6.0
60°-70°	265.8	4.0
70°-80°	131.8	2.0
80°-90°	43.5	0.7
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°	6679.8	100.0
0°-180°	6679.8	100.0

Coefficient of Utilization



REPORT NUMBER: P635869

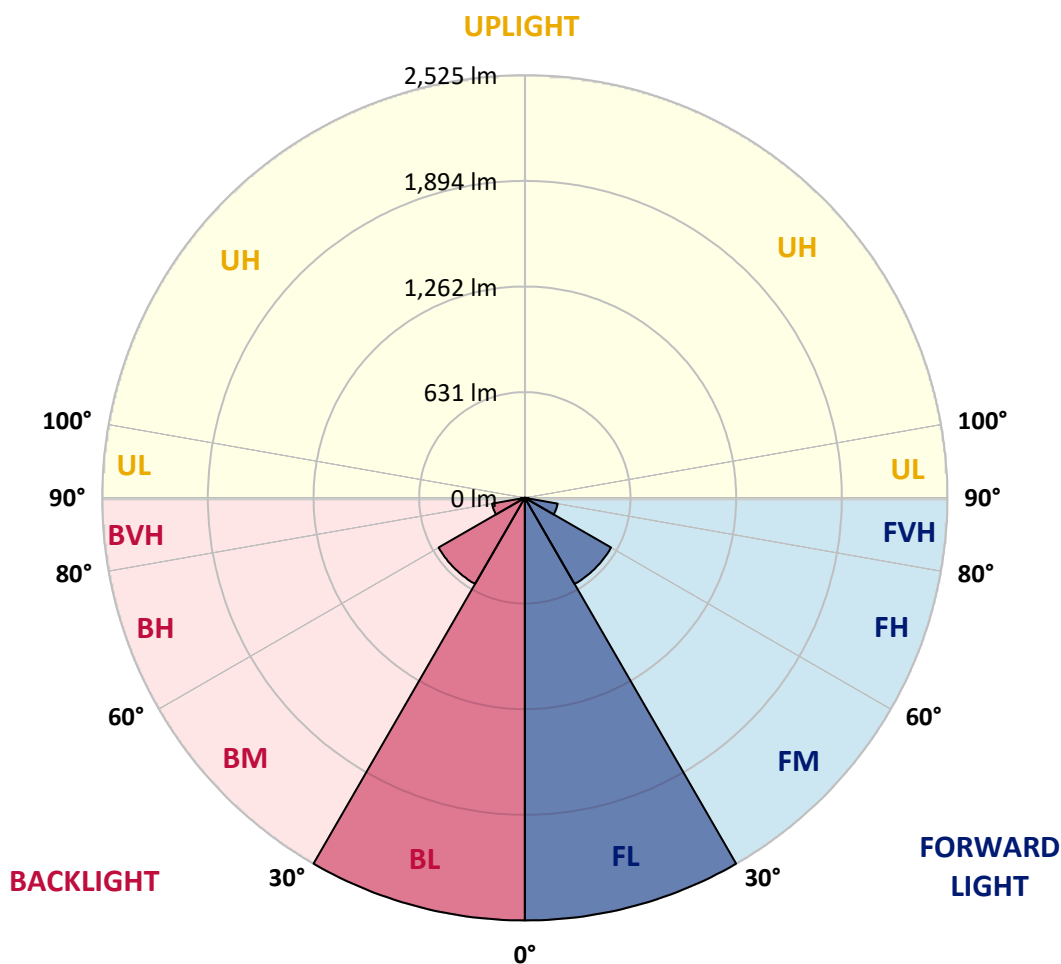
CATALOG NUMBER: IFLD-S-SA2C-930-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2524.7	37.8			
FM	(30°-60°)	594.7	8.9			
FH	(60°-80°)	198.8	3.0			G0/660
FVH	(80°-90°)	21.8	0.3			G1/100
BL	(0°-30°)	2524.7	37.8	B4/5000		
BM	(30°-60°)	594.7	8.9	B1/1000		
BH	(60°-80°)	198.8	3.0	B1/500		G0/660
BVH	(80°-90°)	21.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	156896.5	156896.5	156896.5	156896.5	156896.5	156896.5	156896.5	156896.5	156896.5	156896.5
1°	151637.6	150081.2	150881.7	151646.8	152719.9	153192.5	153674.4	154034.6	154028.5	154622.7
2°	137155.5	134647.7	135810.0	137235.6	139992.8	140784.1	142106.6	143743.1	143843.1	145324.1
3°	115605.6	112084.8	113796.7	116335.4	120906.1	122088.5	124208.4	125704.7	125036.6	126770.1
4°	88712.1	84118.2	86733.9	90491.8	94940.9	99454.7	99544.0	100617.1	98414.0	98307.8
5°	59851.1	55800.7	59156.8	63856.9	67701.0	70855.5	72798.3	72932.2	70550.6	70333.6
6°	36503.1	33822.8	36743.2	41717.4	47042.5	48354.1	48651.3	47977.0	44853.3	43124.5
7°	20175.1	19082.1	21936.3	24904.5	29056.5	30976.3	29647.7	27492.4	26536.4	24478.0
8°	11126.0	10587.1	11401.5	13966.3	17188.5	18449.4	17167.0	14928.5	13316.7	12747.1
9°	6707.6	6408.9	6741.5	7717.5	9109.2	9983.7	9249.3	8147.0	7466.6	7277.2
10°	4455.3	4338.3	4479.9	4809.4	5309.7	5565.3	5382.1	4944.9	4738.6	4726.3
12.5°	2338.5	2316.9	2352.4	2389.3	2475.5	2489.4	2457.0	2426.3	2378.5	2397.0
15°	1505.6	1485.6	1522.6	1570.3	1591.8	1605.7	1607.2	1590.3	1558.0	1542.6
17.5°	1097.7	1102.3	1105.4	1133.1	1174.6	1207.0	1193.1	1174.6	1137.7	1119.2
20°	903.7	905.2	911.4	926.8	940.6	985.3	971.4	943.7	908.3	894.4
22.5°	772.8	775.9	779.0	788.2	791.3	803.6	805.2	780.5	760.5	752.8
25°	680.5	680.5	685.1	692.8	695.9	686.6	688.2	677.4	658.9	649.7
27.5°	577.3	580.4	585.0	588.1	581.9	571.2	557.3	566.5	557.3	535.7
30°	514.2	517.3	531.1	521.9	508.0	494.2	486.5	498.8	500.3	481.9
32.5°	509.6	511.1	515.7	511.1	494.2	477.2	466.5	480.3	483.4	475.7
35°	532.7	528.0	534.2	537.3	520.4	501.9	488.0	500.3	509.6	512.7
37.5°	645.1	618.9	598.9	592.7	581.9	569.6	551.1	554.2	571.2	586.5
40°	614.3	608.1	600.4	580.4	560.4	575.8	554.2	548.1	586.5	589.6
42.5°	609.6	614.3	608.1	583.5	563.5	578.9	574.2	555.8	594.2	589.6
45°	612.7	617.3	631.2	589.6	572.7	580.4	589.6	569.6	608.1	592.7
47.5°	588.1	594.2	609.6	586.5	575.8	574.2	588.1	569.6	589.6	588.1
50°	555.8	561.9	566.5	546.5	566.5	555.8	557.3	549.6	549.6	552.7
52.5°	514.2	520.4	525.0	501.9	514.2	518.8	500.3	498.8	484.9	489.6
55°	463.4	472.6	477.2	468.0	461.8	471.1	444.9	441.8	414.1	415.7
57.5°	404.9	414.1	418.7	429.5	424.9	406.4	391.0	378.7	347.9	335.6
60°	417.2	426.4	417.2	386.4	386.4	344.8	331.0	304.8	274.0	258.6
62.5°	403.3	415.7	414.1	381.8	343.3	291.0	266.3	238.6	207.8	187.8
65°	380.3	392.6	386.4	364.9	327.9	249.4	212.5	184.7	146.3	141.6
67.5°	341.8	360.2	347.9	334.1	304.8	226.3	169.3	138.6	106.2	106.2
70°	283.3	297.1	304.8	289.4	272.5	212.5	144.7	106.2	77.0	58.5
72.5°	227.8	240.2	252.5	244.8	229.4	192.4	129.3	84.7	55.4	33.9
75°	126.2	130.9	135.5	153.9	175.5	157.0	118.5	73.9	46.2	26.2
77.5°	97.0	101.6	112.4	103.1	95.4	121.6	129.3	86.2	40.0	18.5
80°	75.4	81.6	115.5	95.4	81.6	92.4	110.8	75.4	26.2	9.2
82.5°	57.0	61.6	81.6	90.8	86.2	69.3	60.0	50.8	23.1	6.2
85°	41.6	47.7	57.0	50.8	49.3	49.3	66.2	44.6	16.9	4.6
87.5°	24.6	24.6	26.2	24.6	23.1	23.1	26.2	21.6	10.8	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
156896.5
153428.0
144015.5
124916.5
97839.8
69454.5
43275.3
23511.2
12229.8
7020.1
4580.0
2327.7
1517.9
1099.2
879.1
743.6
642.0
537.3
475.7
471.1
512.7
600.4
594.2
586.5
588.1
585.0
541.9
481.9
404.9
327.9
246.3
184.7
141.6
93.9
52.3
32.3
23.1
9.2
6.2
4.6
3.1
3.1
0.0

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