

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: P635875

Luminaire Tested: **IFLD-S-SA3D-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635875
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10953.5 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 184.1
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



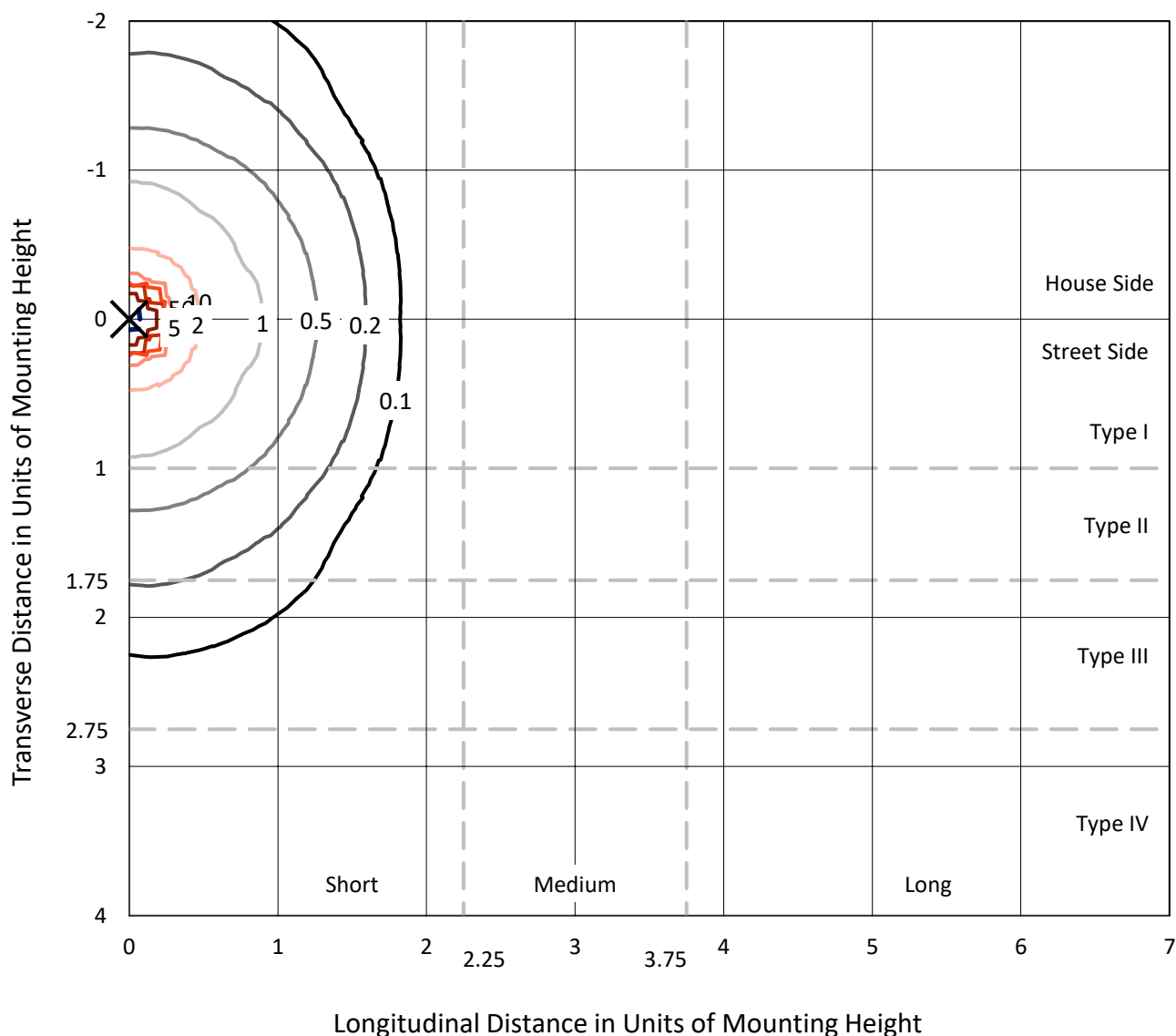
REPORT NUMBER: P635875

CATALOG NUMBER: IFLD-S-SA3D-930-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

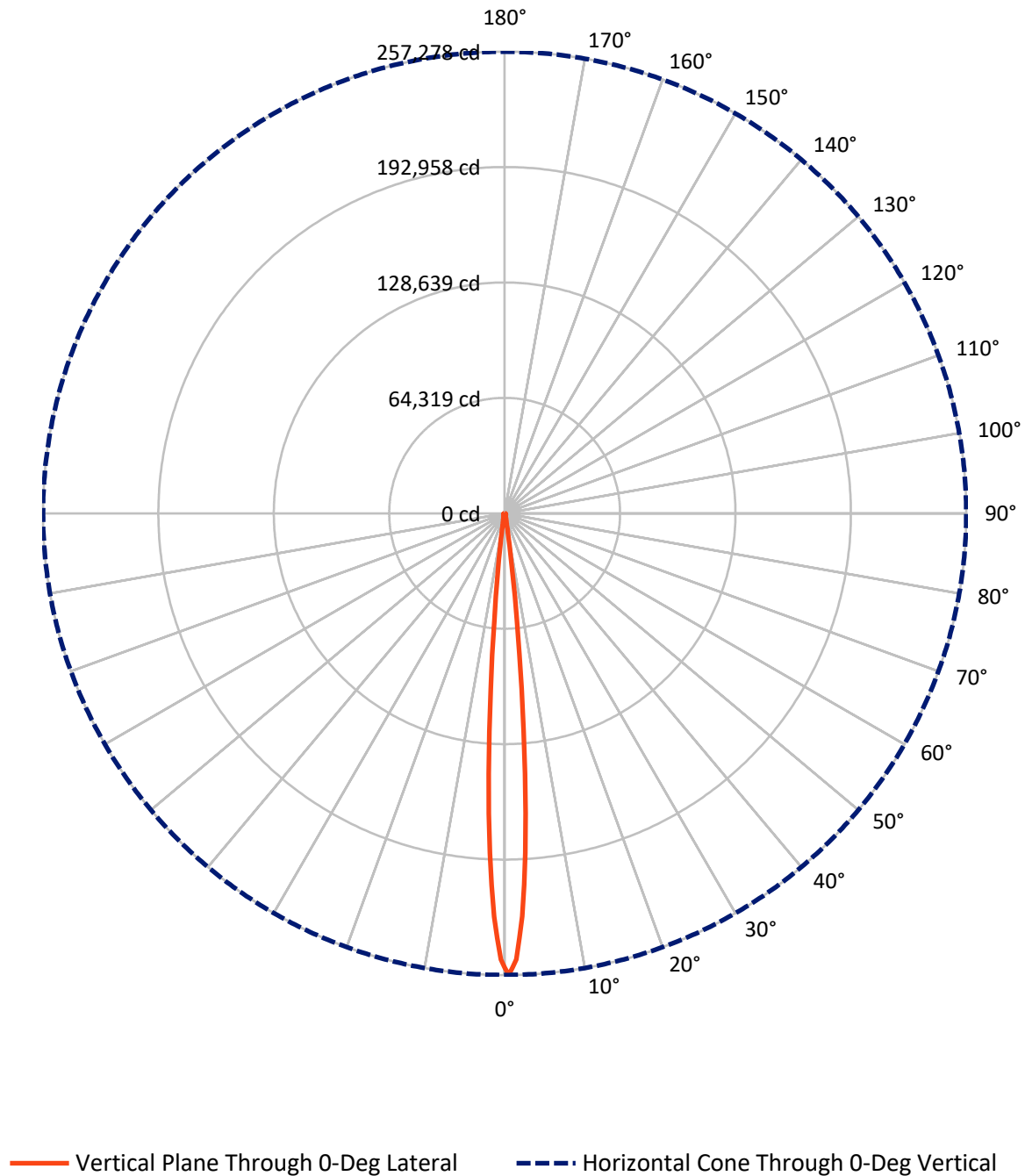


Based on 20 foot mounting height. Maximum calculated value = 643.2 fc

Type V - Short - N/A

REPORT NUMBER: P635875
CATALOG NUMBER: IFLD-S-SA3D-930-U-11-VI

Luminous Intensity Polar Plot



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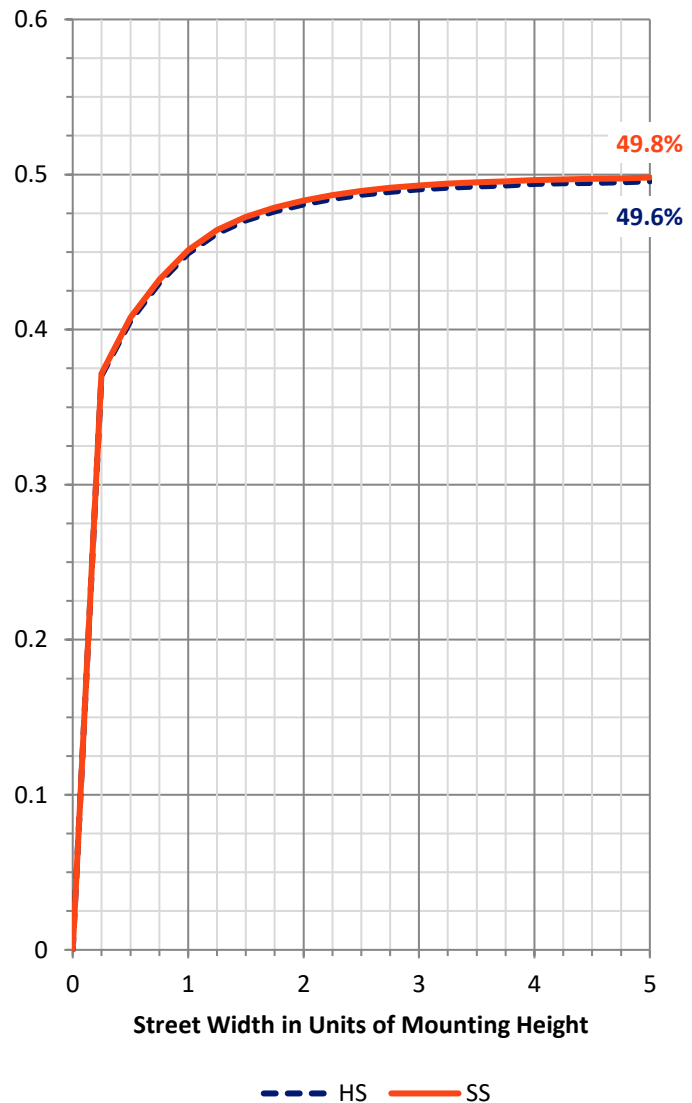
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5476.7	0.0	5476.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5476.7	0.0	5476.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10953.5	0.0	10953.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6913.6	63.1
10°-20°	854.4	7.8
20°-30°	511.9	4.7
30°-40°	550.4	5.0
40°-50°	740.1	6.8
50°-60°	659.8	6.0
60°-70°	435.8	4.0
70°-80°	216.1	2.0
80°-90°	71.3	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°	10953.5	100.0
0°-180°	10953.5	100.0



REPORT NUMBER: P635875

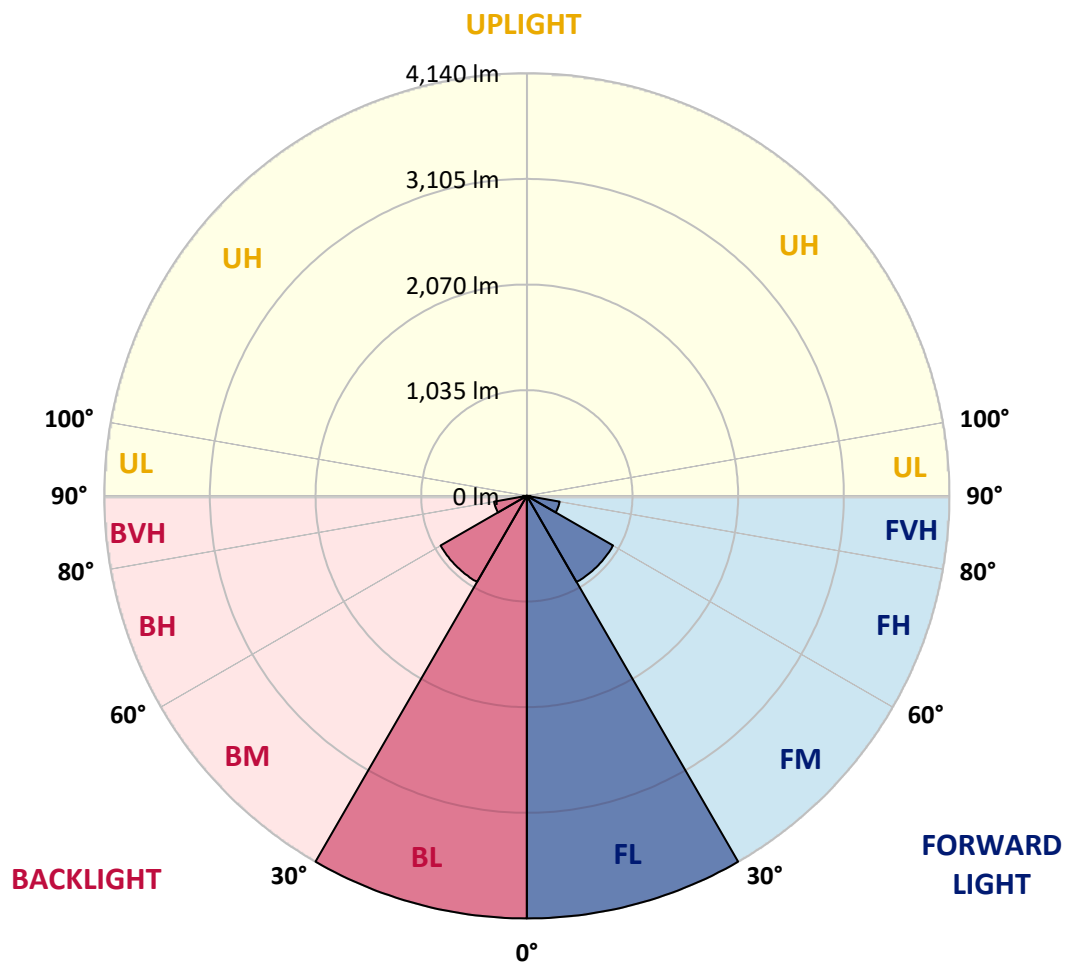
CATALOG NUMBER: IFLD-S-SA3D-930-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4140.0	37.8			
FM	(30°-60°)	975.2	8.9			
FH	(60°-80°)	325.9	3.0			G0/660
FVH	(80°-90°)	35.7	0.3			G1/100
BL	(0°-30°)	4140.0	37.8	B4/5000		
BM	(30°-60°)	975.2	8.9	B1/1000		
BH	(60°-80°)	325.9	3.0	B1/500		G0/660
BVH	(80°-90°)	35.7	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°	257277.6	257277.6	257277.6	257277.6	257277.6	257277.6	257277.6	257277.6	257277.6	257277.6
1°	248654.0	246101.8	247414.5	248669.2	250428.7	251203.7	251993.9	252584.6	252574.5	253548.9
2°	224906.5	220794.1	222700.1	225037.7	229559.0	230856.6	233025.1	235708.6	235872.7	238301.2
3°	189569.1	183795.7	186602.9	190765.7	198260.8	200199.6	203675.8	206129.5	205033.9	207876.5
4°	145469.3	137936.4	142225.4	148387.6	155683.3	163085.0	163231.4	164991.0	161378.5	161204.3
5°	98143.3	91501.5	97004.8	104712.0	111015.5	116188.2	119374.0	119593.7	115688.3	115332.4
6°	59857.4	55462.3	60251.2	68407.8	77139.9	79290.7	79777.9	78672.2	73550.1	70715.1
7°	33083.0	31290.7	35971.0	40838.2	47646.6	50794.6	48616.0	45081.8	43514.1	40138.9
8°	18244.3	17360.7	18696.1	22901.9	28185.6	30253.1	28150.2	24479.7	21836.6	20902.5
9°	10999.1	10509.3	11054.6	12655.1	14937.2	16371.1	15166.9	13359.4	12243.6	11933.1
10°	7305.8	7113.9	7346.2	7886.4	8706.9	9125.9	8825.5	8108.6	7770.3	7750.1
12.5°	3834.7	3799.3	3857.4	3918.0	4059.3	4082.0	4029.0	3978.5	3900.3	3930.6
15°	2468.9	2436.1	2496.7	2574.9	2610.3	2633.0	2635.5	2607.8	2554.8	2529.5
17.5°	1799.9	1807.5	1812.6	1858.0	1926.2	1979.2	1956.5	1926.2	1865.6	1835.3
20°	1481.9	1484.4	1494.5	1519.7	1542.4	1615.7	1592.9	1547.5	1489.4	1466.7
22.5°	1267.3	1272.3	1277.4	1292.5	1297.6	1317.8	1320.3	1279.9	1247.1	1234.5
25°	1115.8	1115.8	1123.4	1136.0	1141.1	1125.9	1128.4	1110.8	1080.5	1065.3
27.5°	946.7	951.7	959.3	964.3	954.2	936.6	913.9	929.0	913.9	878.5
30°	843.2	848.2	870.9	855.8	833.1	810.4	797.7	817.9	820.4	790.2
32.5°	835.6	838.1	845.7	838.1	810.4	782.6	764.9	787.6	792.7	780.1
35°	873.5	865.9	876.0	881.0	853.3	823.0	800.3	820.4	835.6	840.6
37.5°	1057.7	1014.8	982.0	971.9	954.2	934.0	903.8	908.8	936.6	961.8
40°	1007.3	997.2	984.5	951.7	918.9	944.1	908.8	898.7	961.8	966.9
42.5°	999.7	1007.3	997.2	956.8	924.0	949.2	941.6	911.3	974.4	966.9
45°	1004.7	1012.3	1035.0	966.9	939.1	951.7	966.9	934.0	997.2	971.9
47.5°	964.3	974.4	999.7	961.8	944.1	941.6	964.3	934.0	966.9	964.3
50°	911.3	921.4	929.0	896.2	929.0	911.3	913.9	901.2	901.2	906.3
52.5°	843.2	853.3	860.8	823.0	843.2	850.7	820.4	817.9	795.2	802.8
55°	759.9	775.0	782.6	767.4	757.3	772.5	729.6	724.5	679.1	681.6
57.5°	663.9	679.1	686.7	704.3	696.8	666.5	641.2	621.0	570.5	550.3
60°	684.1	699.3	684.1	633.6	633.6	565.5	542.8	499.8	449.4	424.1
62.5°	661.4	681.6	679.1	626.1	563.0	477.1	436.7	391.3	340.8	308.0
65°	623.5	643.7	633.6	598.3	537.7	409.0	348.4	302.9	239.8	232.3
67.5°	560.4	590.7	570.5	547.8	499.8	371.1	277.7	227.2	174.2	174.2
70°	464.5	487.2	499.8	474.6	446.8	348.4	237.3	174.2	126.2	95.9
72.5°	373.6	393.8	414.0	401.4	376.1	315.6	212.1	138.8	90.9	55.5
75°	207.0	214.6	222.2	252.4	287.8	257.5	194.4	121.2	75.7	42.9
77.5°	159.0	166.6	184.3	169.1	156.5	199.4	212.1	141.4	65.6	30.3
80°	123.7	133.8	189.3	156.5	133.8	151.5	181.8	123.7	42.9	15.1
82.5°	93.4	101.0	133.8	148.9	141.4	113.6	98.5	83.3	37.9	10.1
85°	68.2	78.3	93.4	83.3	80.8	80.8	108.6	73.2	27.8	7.6
87.5°	40.4	40.4	42.9	40.4	37.9	37.9	42.9	35.3	17.7	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

257277.6

251590.0
236155.4
204837.0
160436.9
113890.9
70962.5
38553.5
20054.3
11511.5
7510.3
3817.0
2489.1
1802.5
1441.5
1219.3
1052.7
881.0
780.1
772.5
840.6
984.5
974.4
961.8
964.3
959.3
888.6
790.2
663.9
537.7
403.9
302.9
232.3
154.0
85.8
53.0
37.9
15.1
10.1
7.6
5.0
5.0
0.0

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