

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: P957327

Luminaire Tested: **GLAN-SB9D-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65283 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 658
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

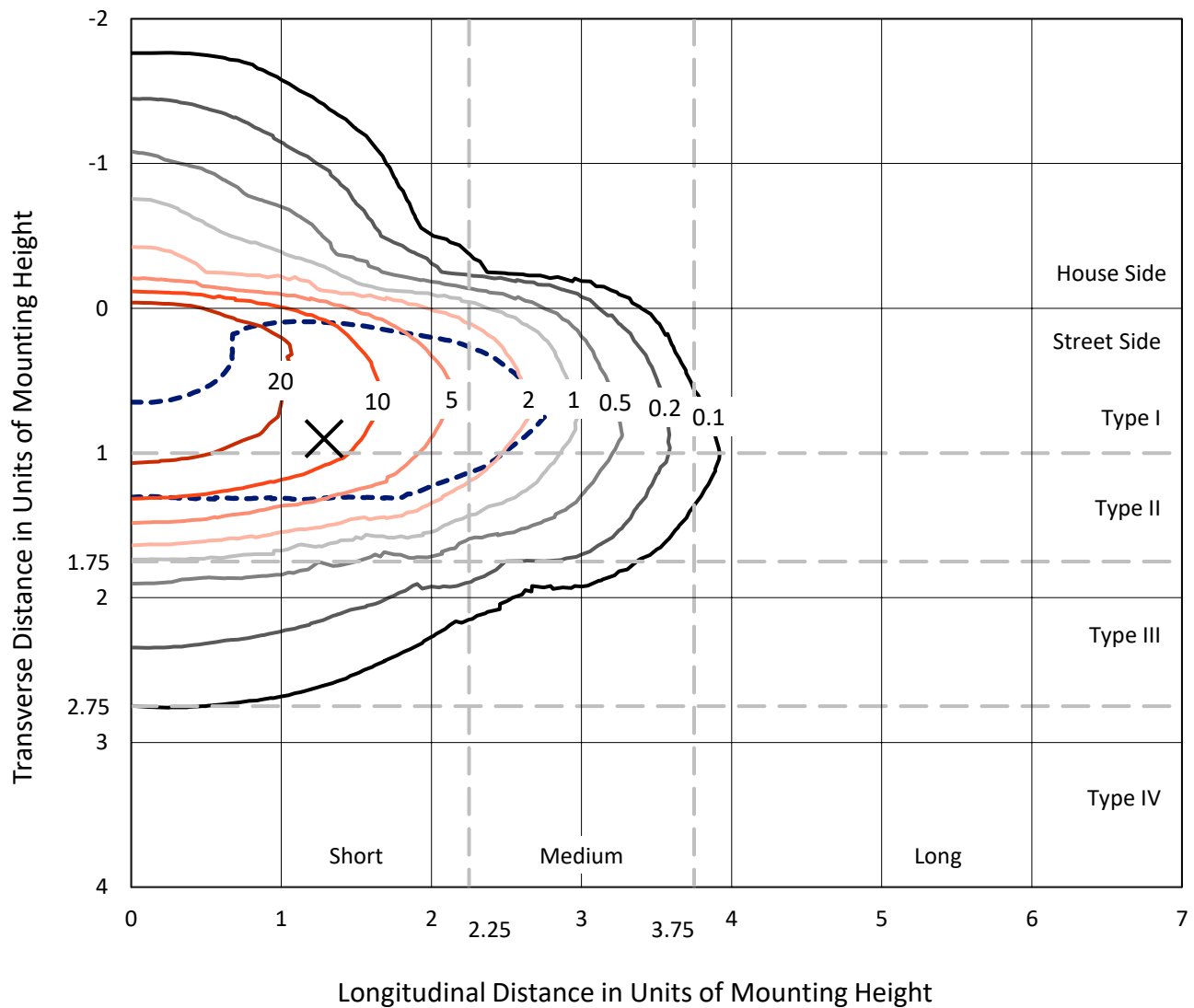


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

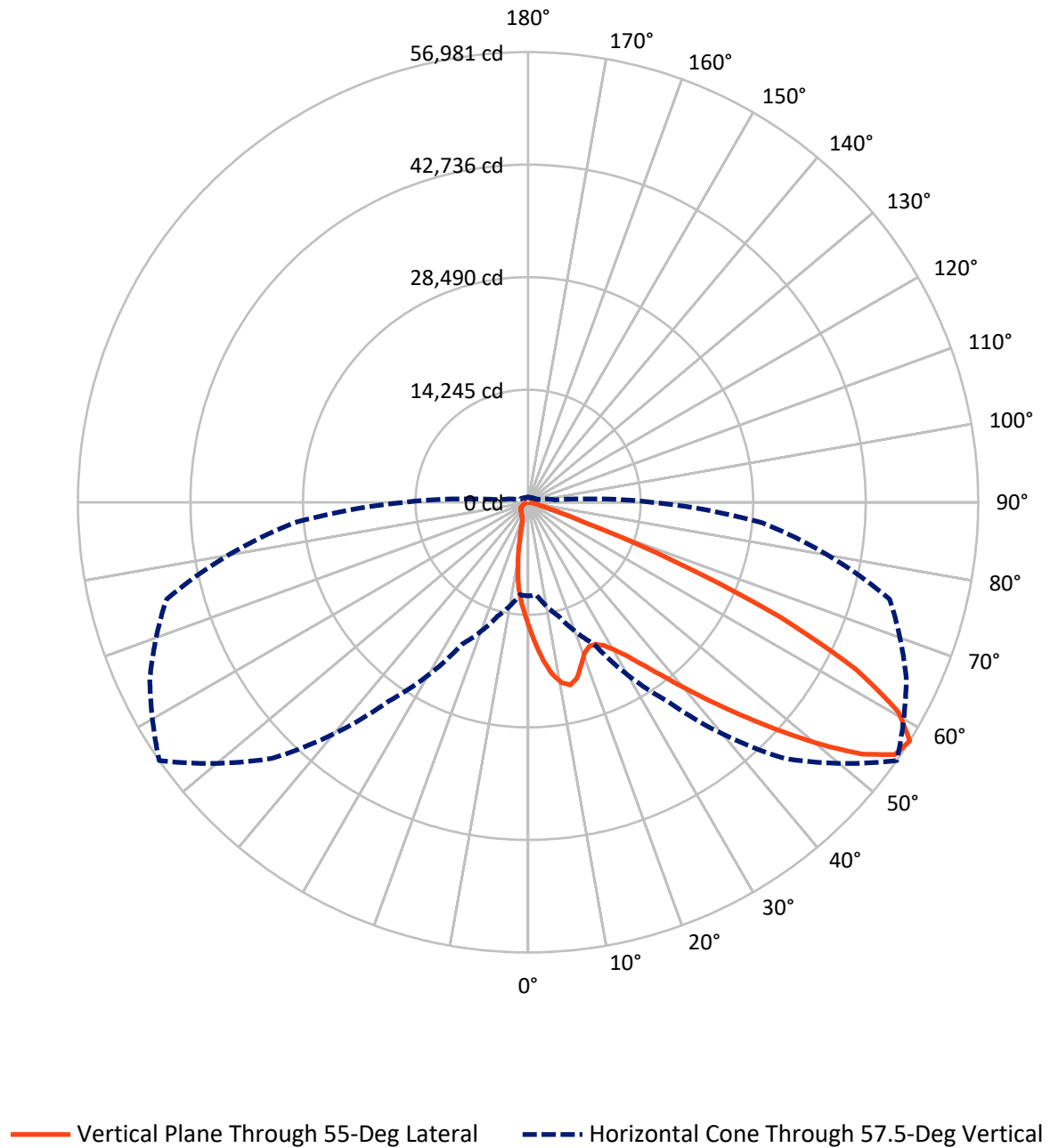


Based on 25 foot mounting height. Maximum calculated value = 36 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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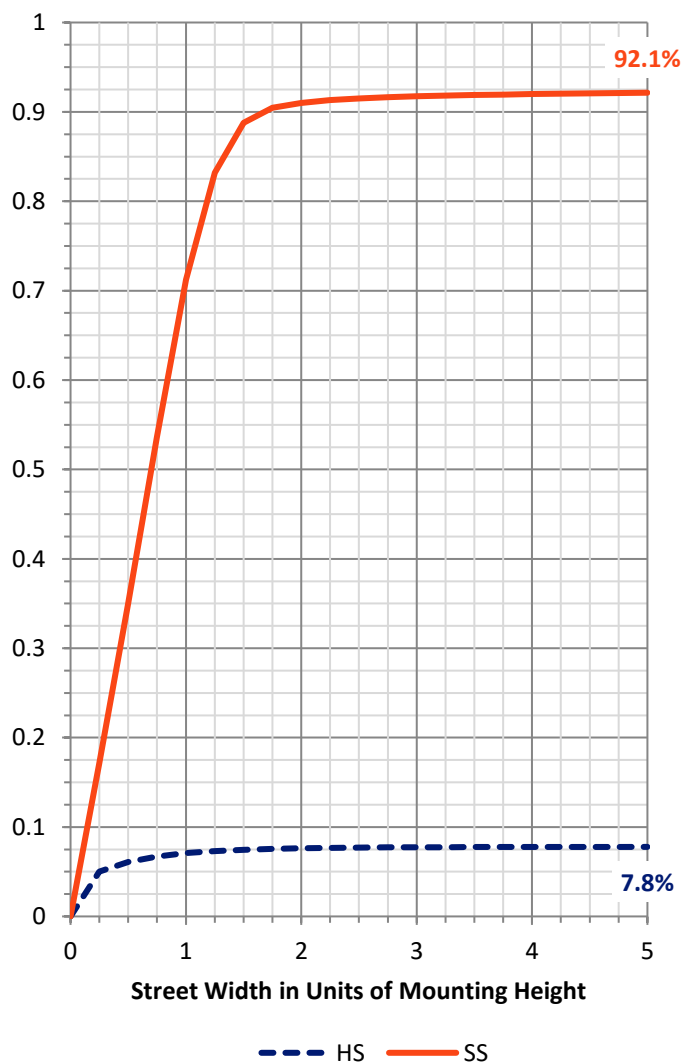
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5098.3	0.0	5098.3
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	60184.7	0.0	60184.7
	% Fixture	92.2	0.0	92.2
Total	Lumens	65283.0	0.0	65283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1463.7	2.2
10°-20°	3535.7	5.4
20°-30°	5657.0	8.7
30°-40°	9574.8	14.7
40°-50°	15719.9	24.1
50°-60°	17277.2	26.5
60°-70°	9910.2	15.2
70°-80°	2025.0	3.1
80°-90°	119.5	0.2
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°	65283.0	100.0
0°-180°	65283.0	100.0

Coefficient of Utilization



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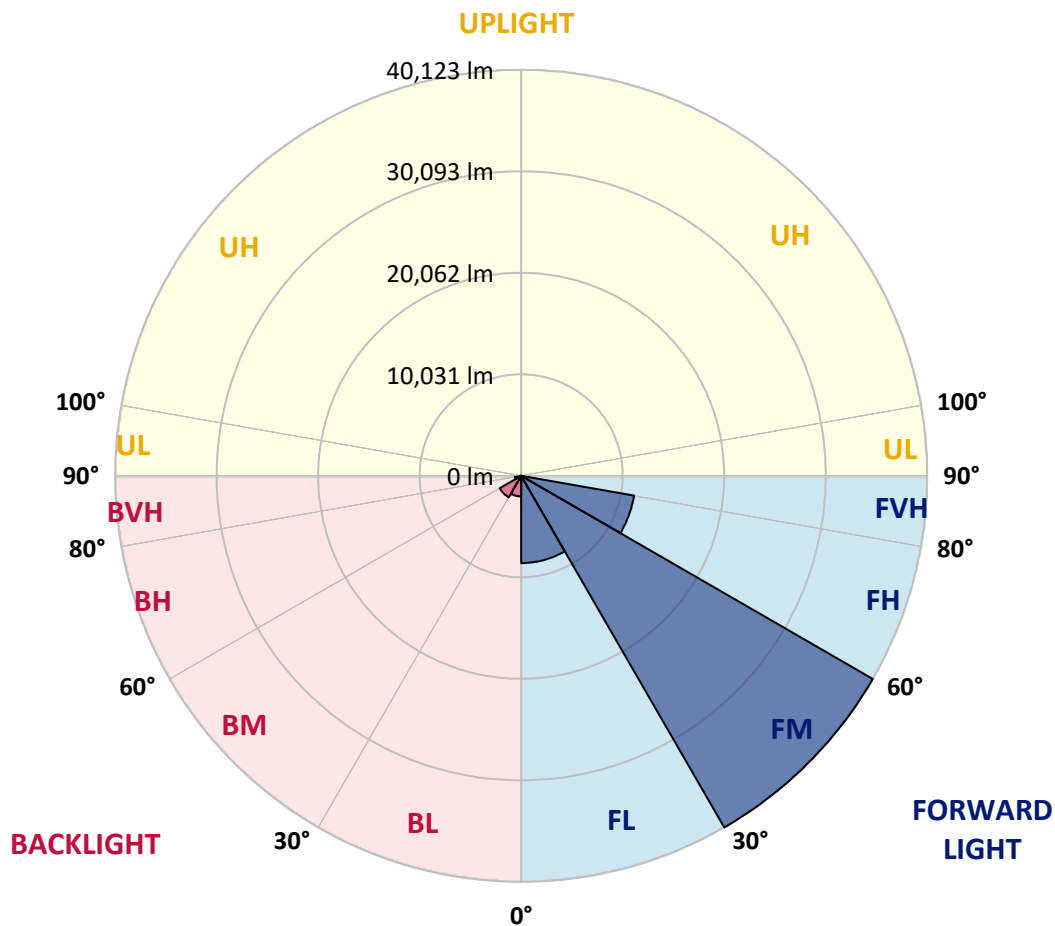
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8621.0	13.2			
FM	(30°-60°)	40123.4	61.5			
FH	(60°-80°)	11328.9	17.4			G4/12000
FVH	(80°-90°)	111.4	0.2			G2/225
BL	(0°-30°)	2035.4	3.1	B3/2500		
BM	(30°-60°)	2448.6	3.8	B2/2500		
BH	(60°-80°)	606.3	0.9	B2/1000		G2/1000
BVH	(80°-90°)	8.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15731.6	15731.6	15731.6	15731.6	15731.6	15731.6	15731.6	15731.6	15731.6	15731.6
2.5°	19519.6	19274.0	19237.8	19189.5	18722.5	18372.3	17865.1	17309.6	16685.6	16049.6
5°	22550.8	22357.5	22321.3	22095.9	21564.5	20968.7	20067.0	18927.8	17764.5	16395.8
7.5°	23138.5	23102.3	23267.3	23259.3	23186.8	22715.8	21955.0	20598.4	18851.3	16822.5
10°	20517.9	20610.5	21101.6	21532.3	22695.7	23372.0	23206.9	22087.8	19970.4	17309.6
12.5°	18130.8	18022.1	18372.3	18859.4	20212.0	22224.7	23726.2	23331.7	21250.5	17861.1
15°	16633.3	16589.0	16786.3	17011.7	18042.2	20071.1	23122.4	24342.1	22482.3	18513.2
17.5°	16154.3	16118.0	16178.4	16234.8	16903.0	18472.9	21685.3	24962.0	23661.8	19257.9
20°	16544.7	16496.4	16488.4	16444.1	16721.9	17792.6	20385.1	25006.3	24720.5	19934.2
22.5°	17684.0	17627.6	17430.3	17253.2	17277.4	17885.2	19805.4	24563.5	25517.5	20566.2
25°	19749.0	19656.4	19245.8	18650.1	18271.7	18529.3	19893.9	23979.8	26278.4	21061.3
27.5°	22333.4	22212.6	21685.3	20799.7	19934.2	19620.2	20534.0	23577.3	26910.4	21439.7
30°	24865.4	24708.4	24189.1	23500.8	22236.8	21246.5	21689.3	23754.4	27663.1	21834.2
32.5°	27598.7	27449.8	26761.4	25908.0	24861.4	23529.0	23271.3	24619.9	28585.0	22385.7
35°	31056.6	30823.1	29844.9	28681.6	27570.5	26222.0	25412.9	26113.3	29812.7	23227.0
37.5°	34993.5	34679.6	33624.9	32018.7	30569.5	29060.0	28021.4	28166.3	31612.1	24354.2
40°	38705.0	38419.2	37445.1	35931.5	34112.0	32280.4	31173.4	30851.3	34095.9	25726.9
42.5°	40931.1	40673.5	40262.9	39622.8	38089.1	36221.3	34824.5	34128.1	37034.5	27369.3
45°	41055.9	40830.5	41382.0	42126.7	41824.8	40580.9	38878.1	37602.1	39985.1	28911.0
47.5°	39059.3	38906.3	40580.9	43181.4	44477.6	45000.9	43431.0	40786.2	42420.6	30018.0
50°	33616.8	33560.5	37006.3	41780.5	45488.0	48873.4	48233.4	43749.0	44308.5	30589.7
52.5°	29148.5	28943.2	30952.0	37296.1	44018.7	50910.3	52927.1	46655.4	45628.9	30698.3
55°	22108.0	21926.8	24446.8	29792.6	39280.7	50185.7	56360.8	49654.4	46574.9	30420.6
57.5°	11859.1	11746.4	14930.5	19829.5	30706.4	45838.2	56980.7	52826.4	47371.9	29683.9
60°	4617.2	4597.1	5788.6	9620.9	18662.1	37292.1	53852.9	54730.5	47871.1	28778.2
62.5°	2793.7	2854.1	3047.3	4319.3	8244.2	23166.7	46643.3	52564.8	48205.2	27948.9
65°	2310.6	2314.7	2338.8	2966.8	3949.0	9693.4	35114.3	45439.7	47380.0	26471.6
67.5°	1980.5	2016.8	2109.4	2354.9	2785.6	4250.9	20216.0	35198.8	42360.2	23033.8
70°	1561.9	1610.2	1726.9	1936.3	2149.6	2660.8	7471.3	23420.3	32360.9	17361.9
72.5°	1316.3	1312.3	1372.7	1574.0	1706.8	1871.9	2874.2	13123.1	18807.1	8288.5
75°	1018.4	1058.7	1135.2	1316.3	1396.8	1356.6	1557.9	4794.4	6738.7	2511.9
77.5°	797.0	829.2	897.7	1074.8	1155.3	962.1	897.7	1714.9	2165.7	901.7
80°	358.3	386.4	611.9	793.0	942.0	664.2	487.1	877.6	962.1	410.6
82.5°	64.4	108.7	358.3	418.7	483.1	430.7	253.6	454.9	471.0	165.0
85°	4.0	8.1	124.8	153.0	193.2	140.9	76.5	181.1	157.0	56.4
87.5°	0.0	0.0	0.0	4.0	4.0	20.1	24.2	32.2	24.2	20.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
15731.6	0°	15731.6	15731.6	15731.6	15731.6	15731.6	15731.6	15731.6	15731.6	15731.6	15731.6
15767.8	2.5°	15478.0	14906.4	14350.9	13896.0	13630.3	13179.4	12881.6	12833.2	12708.5	12817.1
15808.1	5°	15180.1	14157.6	13123.1	12197.2	11436.4	10454.2	9721.5	9411.6	9141.9	9234.5
15912.7	7.5°	15039.2	13425.0	11814.8	10232.8	8606.5	7036.5	5869.2	5382.1	5011.7	5064.1
16029.5	10°	14850.0	12664.2	10140.2	7724.9	5547.1	3997.3	3192.2	2894.3	2729.3	2733.3
16202.6	12.5°	14705.1	11754.4	8195.9	5237.2	3377.4	2552.2	2302.6	2230.1	2181.8	2185.8
16464.2	15°	14632.6	10683.6	6275.7	3490.1	2415.3	2161.7	2101.3	2069.1	2036.9	2032.9
16754.1	17.5°	14511.9	9492.1	4593.1	2548.1	2113.4	2024.8	1972.5	1936.3	1896.0	1888.0
17003.6	20°	14330.7	8139.5	3357.3	2153.6	1980.5	1912.1	1839.6	1791.3	1743.0	1735.0
17160.6	22.5°	13996.6	6710.5	2580.3	1992.6	1883.9	1807.4	1718.9	1662.5	1614.2	1606.2
17084.2	25°	13376.7	5370.0	2173.8	1892.0	1799.4	1706.8	1610.2	1533.7	1489.4	1481.4
16919.1	27.5°	12591.7	4218.7	1972.5	1799.4	1690.7	1606.2	1497.5	1425.0	1384.8	1376.7
16701.7	30°	11665.9	3248.6	1855.7	1694.7	1561.9	1489.4	1392.8	1332.4	1308.3	1308.3
16548.8	32.5°	10667.5	2596.4	1807.4	1590.1	1449.2	1368.7	1292.2	1268.0	1260.0	1256.0
16633.3	35°	9729.6	2254.3	1783.3	1505.5	1348.5	1272.1	1239.8	1243.9	1260.0	1260.0
16895.0	37.5°	8896.3	2145.6	1771.2	1445.1	1260.0	1191.5	1211.7	1247.9	1231.8	1231.8
17353.9	40°	8143.6	2157.7	1763.2	1400.9	1187.5	1147.3	1187.5	1159.3	1119.1	1115.1
17913.4	42.5°	7567.9	2258.3	1747.1	1364.6	1143.2	1115.1	1099.0	1054.7	1050.7	1058.7
18493.1	45°	7149.3	2346.9	1743.0	1348.5	1094.9	1042.6	1022.5	978.2	1058.7	1078.8
18730.6	47.5°	6654.1	2346.9	1743.0	1292.2	1014.4	994.3	962.1	913.8	994.3	1014.4
18505.2	50°	6014.1	2197.9	1674.6	1227.8	950.0	937.9	881.6	821.2	805.1	817.2
17977.8	52.5°	5205.0	1928.2	1501.5	1139.2	885.6	861.5	793.0	748.7	736.7	736.7
17031.8	55°	4283.1	1614.2	1268.0	1010.4	817.2	772.9	724.6	704.5	692.4	684.3
15707.4	57.5°	3482.0	1324.4	1018.4	897.7	752.8	696.4	680.3	656.2	636.0	624.0
14600.4	60°	2858.1	1042.6	841.3	797.0	688.4	636.0	632.0	599.8	547.5	539.4
13686.6	62.5°	2206.0	764.8	708.5	692.4	624.0	579.7	571.6	507.2	426.7	410.6
12390.4	65°	1557.9	595.8	571.6	607.8	555.5	515.3	495.1	398.5	314.0	301.9
10369.6	67.5°	1094.9	499.2	450.9	531.4	483.1	430.7	418.7	338.1	261.7	253.6
7841.6	70°	780.9	406.6	370.3	454.9	386.4	378.4	354.2	281.8	213.4	205.3
3880.6	72.5°	551.5	310.0	285.8	394.5	265.7	326.1	289.8	217.4	161.0	153.0
1320.4	75°	406.6	221.4	201.3	229.5	193.2	245.6	205.3	144.9	100.6	96.6
595.8	77.5°	297.9	140.9	120.8	112.7	112.7	153.0	112.7	60.4	44.3	40.3
301.9	80°	209.3	64.4	56.4	48.3	44.3	36.2	16.1	8.1	4.0	4.0
104.7	82.5°	124.8	28.2	28.2	20.1	12.1	0.0	0.0	0.0	0.0	0.0
40.3	85°	28.2	12.1	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0
16.1	87.5°	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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