

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: P848925

Luminaire Tested: **GLAN-SB5D-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29353 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

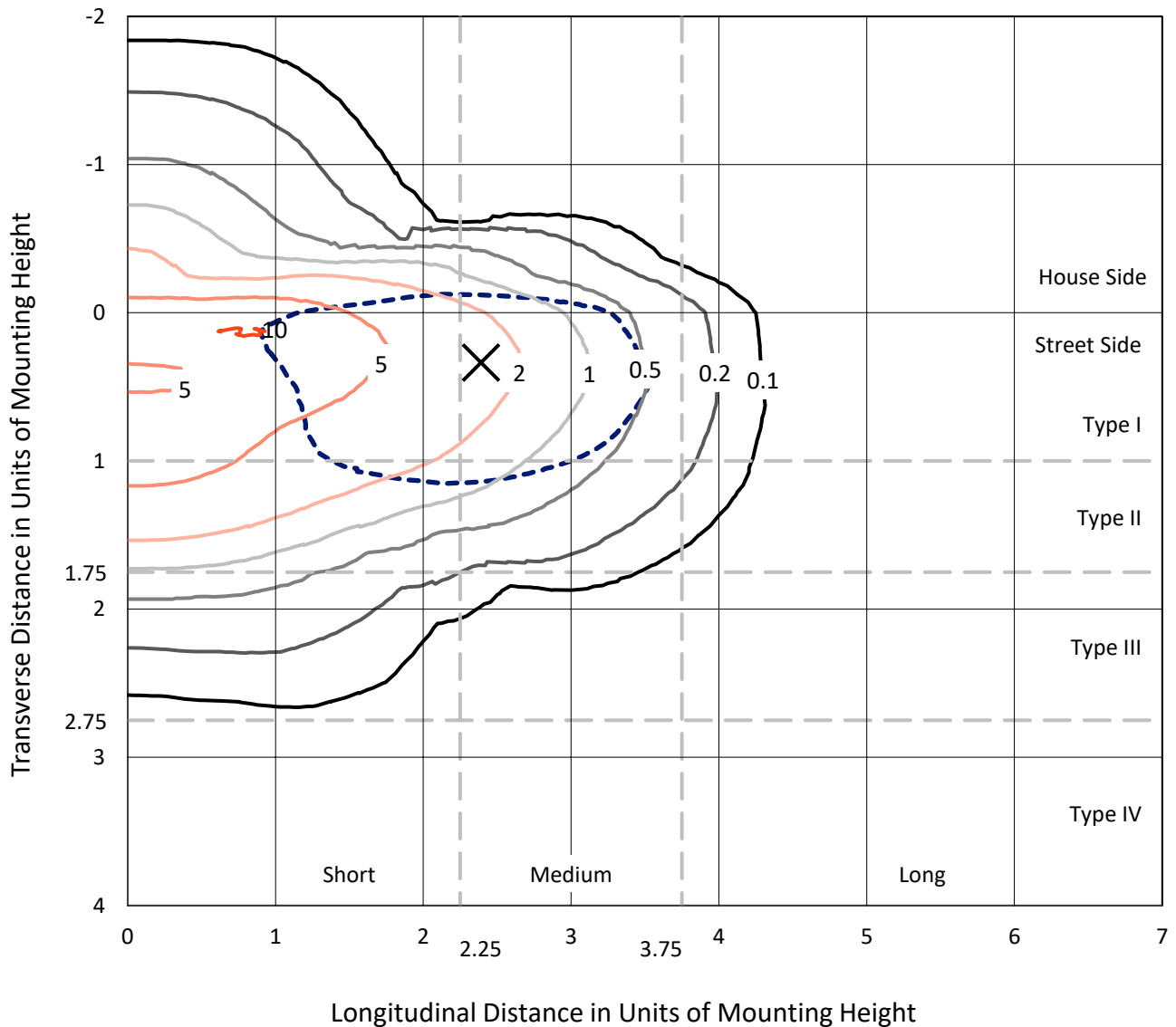
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

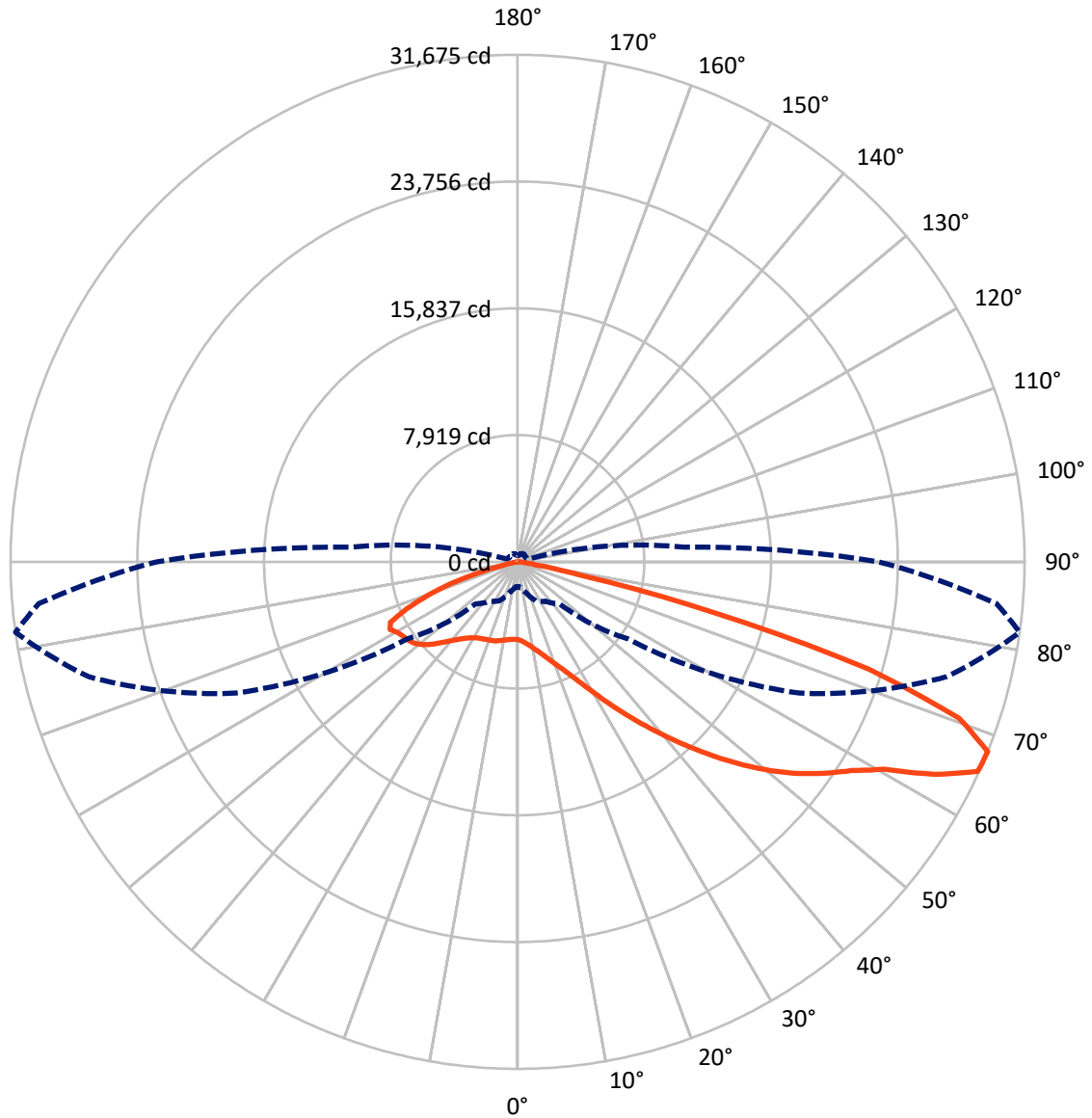
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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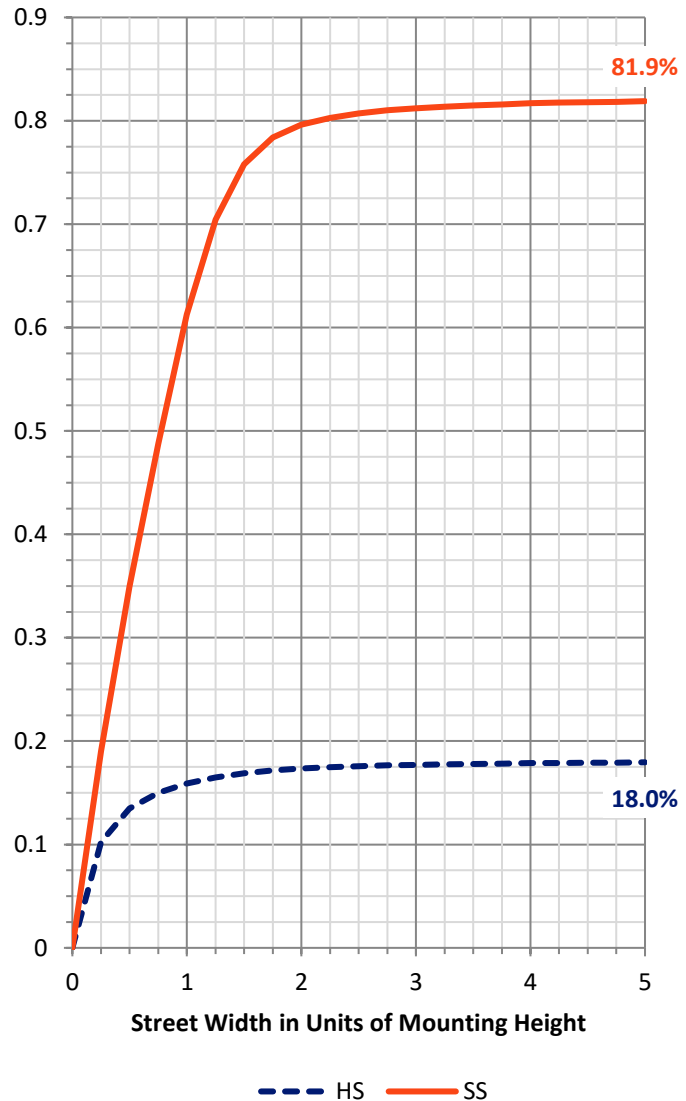
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5317.0	0.0	5317.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	24036.0	0.0	24036.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	29353.0	0.0	29353.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.2	1.5
10°-20°	1125.8	3.8
20°-30°	1803.2	6.1
30°-40°	3188.6	10.9
40°-50°	5586.7	19.0
50°-60°	7451.1	25.4
60°-70°	6936.6	23.6
70°-80°	2662.3	9.1
80°-90°	165.3	0.6
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°	29353.0	100.0
0°-180°	29353.0	100.0

Coefficient of Utilization

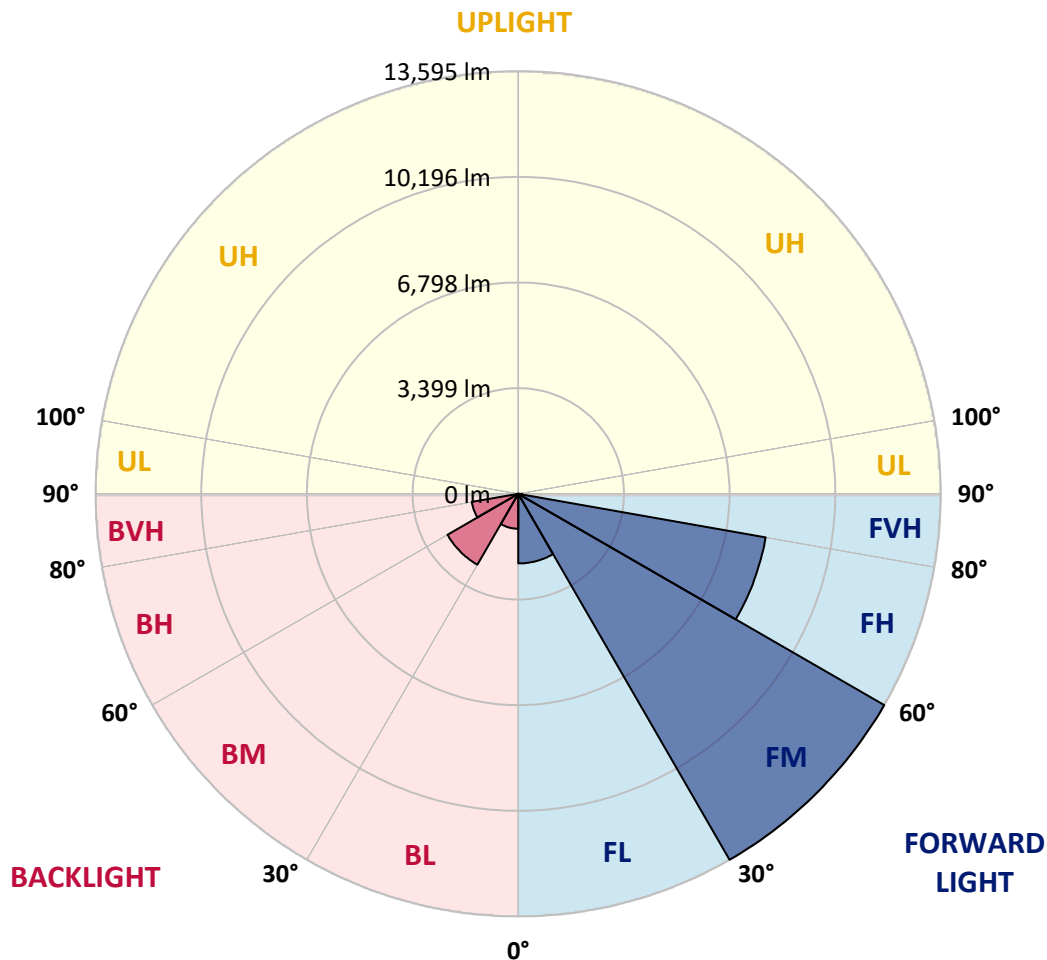


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2239.3	7.6			
FM (30°-60°)	13595.1	46.3			
FH (60°-80°)	8081.3	27.5			G4/12000
FVH (80°-90°)	120.2	0.4			G2/225
BL (0°-30°)	1122.9	3.8	B3/2500		
BM (30°-60°)	2631.4	9.0	B3/5000		
BH (60°-80°)	1517.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	45.1	0.2			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4862.8	4862.8	4862.8	4862.8	4862.8	4862.8	4862.8	4862.8	4862.8	4862.8
2.5°	5139.6	5169.2	5152.3	5143.9	5129.1	5107.9	5091.0	5038.2	4983.3	4947.3
5°	5243.2	5272.8	5270.7	5279.1	5289.7	5296.0	5291.8	5232.6	5154.4	5093.2
7.5°	5154.4	5188.3	5215.7	5258.0	5332.0	5410.2	5448.2	5435.5	5355.2	5270.7
10°	4903.0	4938.9	5004.4	5103.7	5260.1	5429.2	5570.8	5636.3	5585.6	5492.6
12.5°	4442.2	4478.2	4607.1	4822.6	5084.7	5378.5	5649.0	5824.4	5837.0	5744.1
15°	3924.5	3960.4	4097.8	4368.3	4767.7	5239.0	5691.2	6023.0	6135.0	6054.7
17.5°	3603.2	3634.9	3738.5	3956.2	4372.5	4960.0	5676.4	6234.4	6490.1	6426.7
20°	3506.0	3533.5	3582.1	3734.3	4080.9	4670.5	5579.2	6433.0	6872.6	6836.7
22.5°	3609.6	3634.9	3649.7	3717.4	3935.0	4480.3	5456.6	6635.9	7316.4	7320.6
25°	3848.4	3873.8	3856.8	3899.1	3994.2	4421.1	5410.2	6874.7	7874.3	7920.8
27.5°	4241.5	4243.6	4203.4	4201.3	4216.1	4509.9	5458.8	7130.4	8578.1	8664.7
30°	5029.8	4998.1	4843.8	4676.8	4600.7	4776.2	5594.0	7432.6	9408.6	9562.9
32.5°	6244.9	6198.4	5915.2	5515.8	5114.3	5205.2	5837.0	7777.1	10313.1	10592.1
35°	7563.6	7551.0	7255.1	6661.3	5959.6	5815.9	6232.2	8229.4	11300.0	11743.8
37.5°	8789.4	8783.0	8614.0	7914.5	7060.7	6667.6	6866.2	8821.1	12356.7	12999.2
40°	9909.5	9928.5	9759.4	9133.9	8273.7	7760.2	7728.5	9552.3	13531.7	14366.5
42.5°	10877.4	10898.5	10727.3	10264.5	9472.0	8969.0	8787.3	10448.4	14679.3	15835.3
45°	11534.6	11665.6	11640.3	11270.5	10702.0	10180.0	10059.5	11572.7	15987.4	17392.8
47.5°	11720.6	11841.1	12031.3	12082.0	11735.4	11221.8	11365.6	12927.3	17310.4	18952.4
50°	11262.0	11374.0	11769.2	12295.4	12536.3	12377.8	12635.7	14379.2	18665.0	20507.9
52.5°	10357.5	10471.6	10970.4	11803.0	12785.7	13284.5	13910.0	15809.9	19977.4	21980.9
55°	9049.3	9169.8	9810.1	10752.7	12310.2	13658.5	14973.0	17238.5	21179.9	23305.9
57.5°	7269.9	7358.7	8024.4	9343.1	11114.1	13286.6	15757.1	18798.2	22312.7	24607.7
60°	4738.1	4816.3	5589.8	7060.7	9131.7	12043.9	15913.5	20537.5	23817.4	26300.5
62.5°	3151.0	3203.8	3662.4	4742.3	6430.9	9658.0	14998.4	21925.9	26023.7	29246.5
65°	2161.9	2214.8	2673.4	3425.7	4154.8	6388.6	12367.3	21742.1	28022.9	31586.0
67.5°	1542.7	1587.1	1976.0	2686.1	3007.3	3711.0	8383.6	19392.0	27735.5	31674.8
70°	1105.3	1130.6	1451.9	2092.2	2390.2	2229.6	4662.0	14831.4	24284.4	29248.6
72.5°	773.5	781.9	1008.1	1593.5	1925.3	1627.3	2219.0	9888.3	18367.1	22957.2
75°	524.1	534.7	678.4	1168.7	1544.9	1242.6	1175.0	5302.4	10782.3	12707.5
77.5°	321.2	325.5	437.5	798.8	1156.0	946.8	756.6	2246.5	4171.7	4095.7
80°	181.7	181.7	279.0	496.6	788.3	610.8	530.4	955.2	1320.8	1160.2
82.5°	101.4	103.6	202.9	308.5	522.0	361.4	291.6	441.7	570.6	505.1
85°	42.3	46.5	124.7	145.8	249.4	179.6	118.3	186.0	211.3	188.1
87.5°	4.2	6.3	38.0	27.5	29.6	35.9	16.9	35.9	29.6	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848925
 CATALOG NUMBER: GLAN-SB5D-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4862.8	0°	4862.8	4862.8	4862.8	4862.8	4862.8	4862.8	4862.8	4862.8	4862.8	4862.8
4934.7	2.5°	4894.5	4862.8	4782.5	4689.5	4566.9	4507.8	4427.5	4372.5	4326.0	4330.2
5057.2	5°	4989.6	4909.3	4729.7	4505.6	4226.7	4028.0	3816.7	3670.9	3552.5	3527.2
5226.3	7.5°	5120.6	4993.8	4678.9	4275.3	3804.0	3446.9	3127.7	2922.8	2776.9	2730.4
5431.3	10°	5289.7	5105.8	4613.4	3985.8	3307.4	2853.0	2510.6	2350.0	2250.7	2216.9
5672.2	12.5°	5486.2	5234.7	4526.8	3632.8	2796.0	2358.5	2140.8	2060.5	2028.8	2018.2
5968.1	15°	5733.5	5395.4	4395.8	3214.4	2362.7	2056.3	1963.3	1952.7	1957.0	1952.7
6323.1	17.5°	6027.2	5570.8	4182.3	2783.3	2071.1	1902.0	1868.2	1876.6	1887.2	1885.1
6720.4	20°	6348.5	5744.1	3909.7	2400.8	1872.4	1792.1	1773.1	1781.5	1790.0	1785.8
7179.0	22.5°	6714.1	5930.0	3607.5	2102.8	1739.3	1690.7	1669.5	1671.7	1671.7	1663.2
7760.2	25°	7151.5	6135.0	3290.5	1891.4	1637.8	1599.8	1574.4	1566.0	1553.3	1527.9
8466.0	27.5°	7673.5	6352.7	2986.2	1743.5	1557.5	1521.6	1492.0	1470.9	1439.2	1396.9
9313.5	30°	8261.1	6616.9	2728.3	1650.5	1494.1	1458.2	1424.4	1392.7	1346.2	1293.4
10287.7	32.5°	8952.1	6900.1	2540.2	1589.2	1437.1	1399.0	1358.9	1320.8	1270.1	1217.3
11382.5	35°	9776.3	7242.4	2430.3	1547.0	1392.7	1342.0	1297.6	1255.3	1217.3	1170.8
12572.3	37.5°	10670.3	7605.9	2396.5	1525.8	1363.1	1284.9	1234.2	1204.6	1200.4	1172.9
13859.3	40°	11648.7	8037.0	2421.9	1513.2	1331.4	1230.0	1175.0	1168.7	1179.2	1130.6
15235.1	42.5°	12684.3	8548.5	2464.2	1498.4	1287.0	1175.0	1122.2	1122.2	1113.7	1046.1
16689.1	45°	13804.3	9138.1	2506.4	1462.4	1234.2	1120.1	1079.9	1065.1	1029.2	963.7
18151.5	47.5°	14932.9	9738.3	2538.1	1396.9	1170.8	1073.6	1037.7	1003.8	951.0	891.8
19586.4	50°	16004.3	10277.2	2504.3	1299.7	1098.9	1029.2	991.2	944.7	887.6	847.4
20945.3	52.5°	16961.7	10744.2	2360.6	1185.6	1022.9	982.7	948.9	900.3	853.8	811.5
22171.1	55°	17794.3	11122.5	2107.0	1077.8	955.2	942.6	908.7	847.4	784.0	748.1
23386.2	57.5°	18593.2	11409.9	1790.0	989.0	893.9	898.2	847.4	792.5	733.3	695.3
25024.1	60°	19656.2	11794.6	1468.8	906.6	828.4	841.1	786.2	746.0	672.0	623.4
27832.7	62.5°	21355.3	12392.6	1166.6	805.2	752.3	756.6	733.3	684.7	596.0	538.9
29914.3	65°	22703.6	12172.8	919.3	695.3	665.7	672.0	672.0	619.2	524.1	458.6
30026.4	67.5°	22551.5	10423.0	733.3	587.5	583.3	587.5	602.3	557.9	464.9	412.1
27739.7	70°	20774.1	8290.6	587.5	488.2	507.2	496.6	538.9	509.3	418.4	365.6
21505.4	72.5°	16951.1	5972.3	448.0	403.6	388.9	405.8	486.1	458.6	348.7	289.5
11390.9	75°	9905.2	3186.9	333.9	319.1	281.1	338.1	431.1	391.0	266.3	213.4
3491.2	77.5°	3225.0	1111.6	245.1	234.6	209.2	272.6	367.7	329.7	217.7	169.1
1022.9	80°	864.4	336.0	167.0	154.3	135.3	202.9	291.6	262.1	156.4	109.9
439.6	82.5°	346.6	141.6	97.2	86.6	74.0	139.5	230.4	211.3	116.2	69.7
137.4	85°	112.0	46.5	35.9	27.5	33.8	86.6	137.4	143.7	82.4	35.9
21.1	87.5°	14.8	6.3	6.3	8.5	6.3	14.8	42.3	40.2	23.2	4.2
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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180°
4862.8
4288.0
3470.1
2683.9
2191.5
2011.9
1950.6
1880.9
1783.7
1659.0
1523.7
1392.7
1289.1
1219.4
1166.6
1170.8
1132.8
1046.1
961.6
889.7
841.1
807.3
743.9
691.1
617.1
534.7
452.3
403.6
359.3
283.2
207.1
162.7
107.8
69.7
27.5
0.0
0.0

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