

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: P949012

Luminaire Tested: **GLAN-SB3D-927-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-927-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18901 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

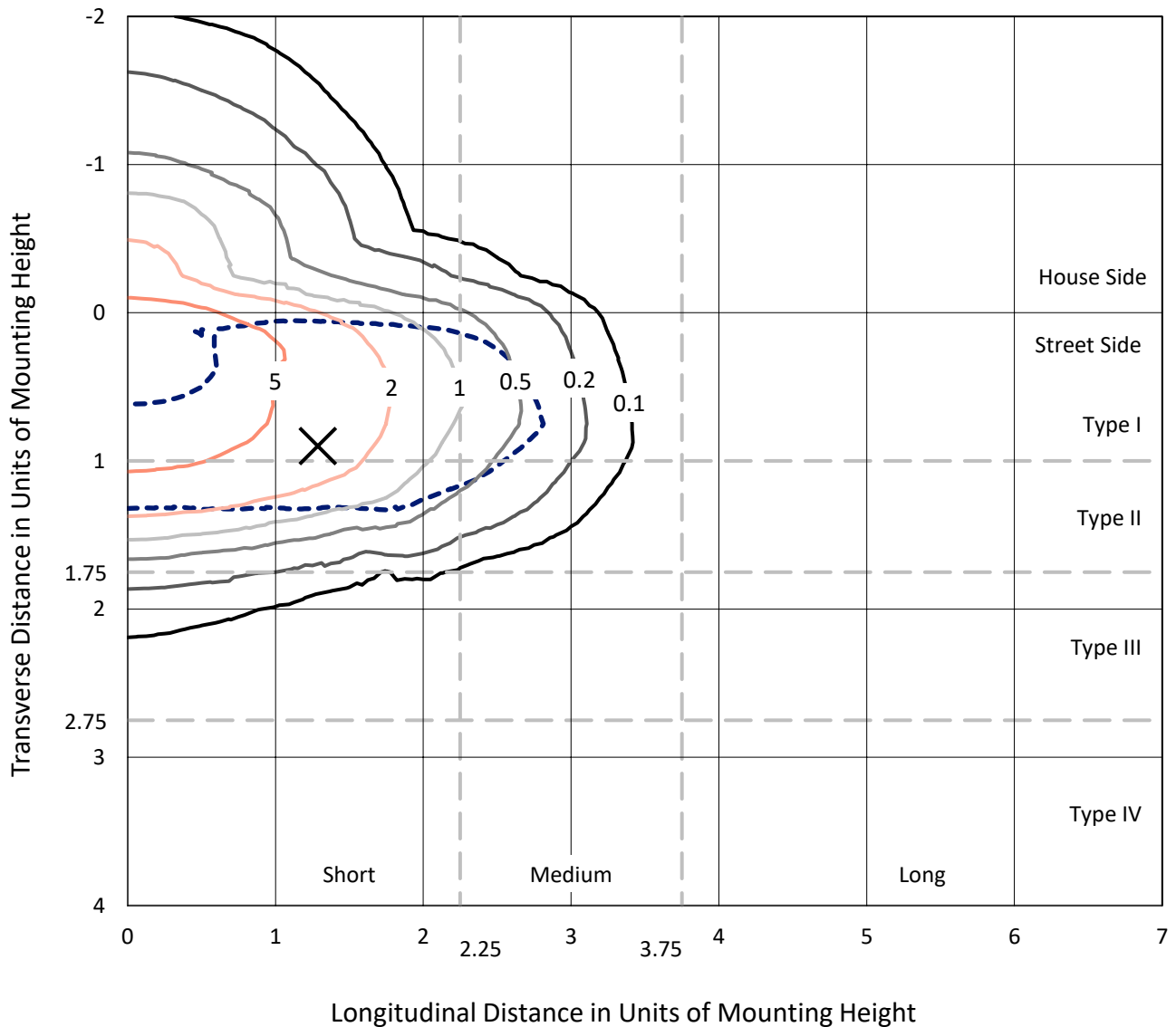
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

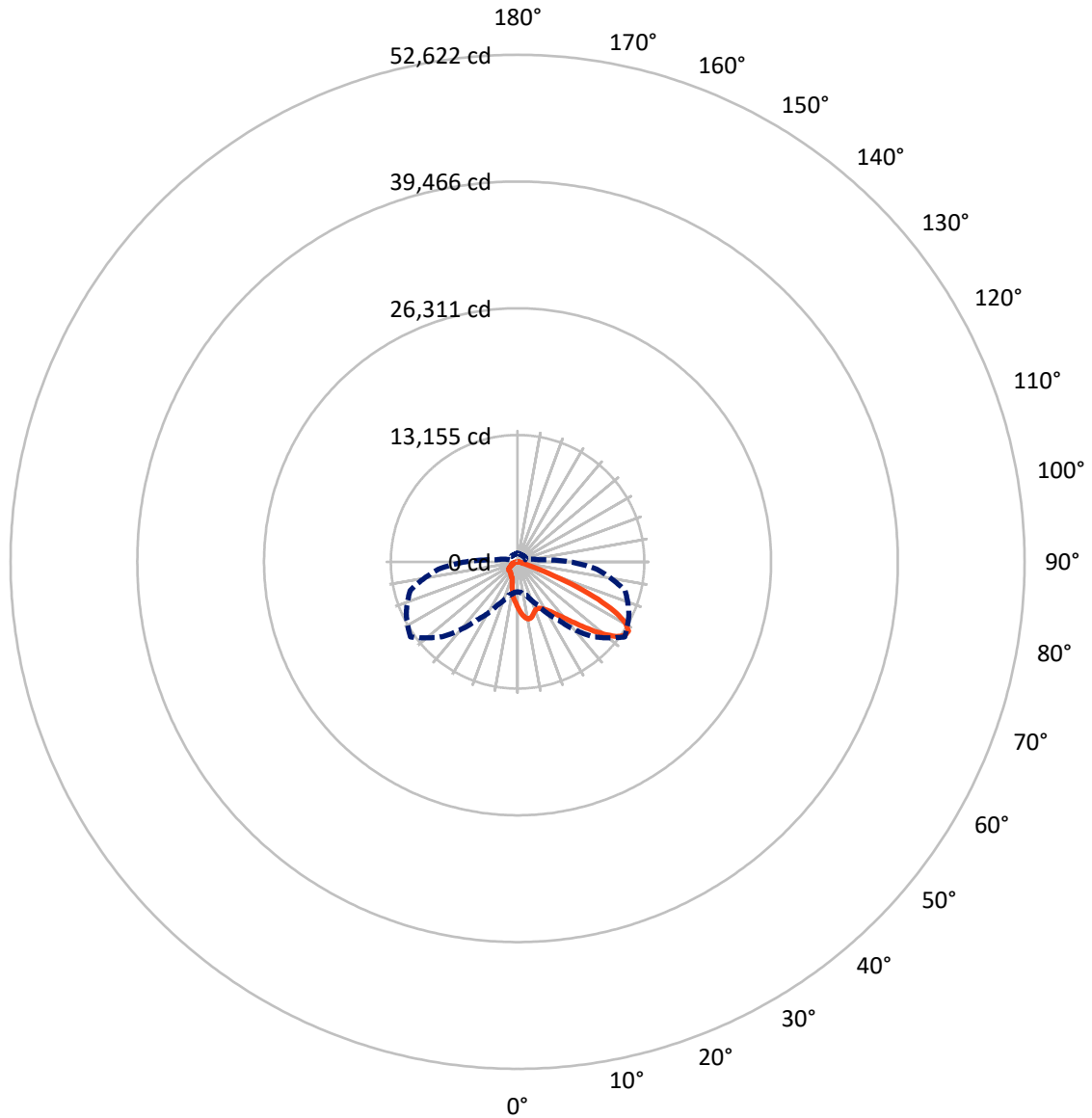
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3420.0	0.0	3420.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	15481.0	0.0	15481.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	18901.0	0.0	18901.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	439.5	2.3
10°-20°	1109.2	5.9
20°-30°	1770.0	9.4
30°-40°	2802.4	14.8
40°-50°	4289.4	22.7
50°-60°	4594.3	24.3
60°-70°	2890.3	15.3
70°-80°	854.7	4.5
80°-90°	151.1	0.8
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°	18901.0	100.0
0°-180°	18901.0	100.0

**Coefficient of Utilization**



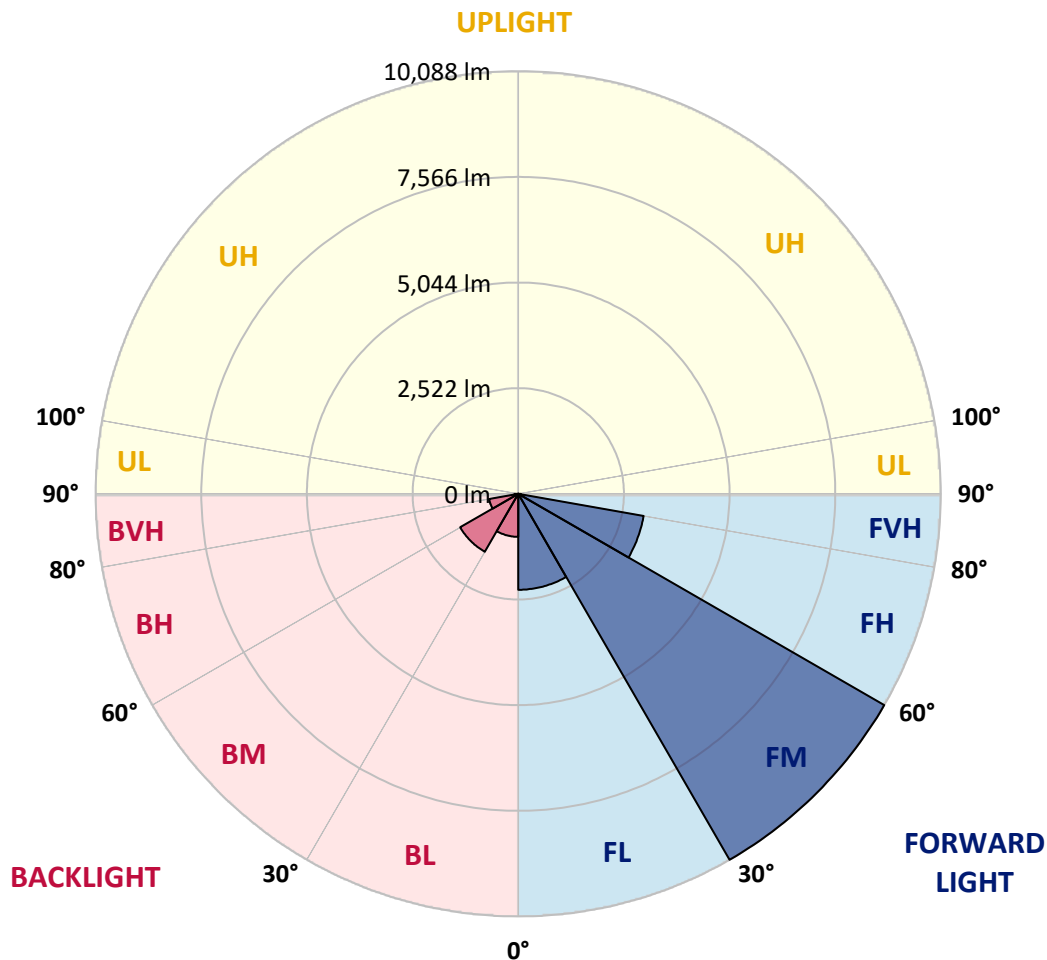
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2290.8	12.1			
FM (30°-60°)	10087.6	53.4			
FH (60°-80°)	3038.7	16.1			G2/5000
FVH (80°-90°)	63.8	0.3			G1/100
BL (0°-30°)	1028.0	5.4	B3/2500		
BM (30°-60°)	1598.5	8.5	B2/2500		
BH (60°-80°)	706.3	3.7	B2/1000		G2/1000
BVH (80°-90°)	87.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4736.0	4736.0	4736.0	4736.0	4736.0	4736.0	4736.0	4736.0	4736.0	4736.0
2.5°	5433.6	5429.7	5451.2	5377.9	5328.1	5260.7	5171.8	5058.4	4936.3	4807.3
5°	5923.1	5888.9	5911.4	5856.7	5802.0	5700.4	5568.5	5383.8	5158.1	4901.1
7.5°	5846.0	5822.5	5880.2	5929.0	5970.0	5957.3	5860.6	5667.1	5376.0	5002.7
10°	5223.5	5197.2	5278.3	5447.3	5695.5	5911.4	6028.7	5908.5	5598.8	5114.1
12.5°	4674.4	4661.7	4715.5	4852.3	5127.8	5542.1	6007.2	6119.5	5830.3	5246.0
15°	4439.9	4424.3	4458.5	4527.9	4703.7	5089.7	5811.8	6264.2	6058.0	5398.4
17.5°	4388.1	4370.5	4385.2	4421.4	4534.7	4828.8	5516.7	6335.5	6295.4	5568.5
20°	4483.9	4469.2	4471.2	4469.2	4548.4	4781.9	5311.5	6308.1	6502.6	5724.8
22.5°	4715.5	4691.0	4692.0	4640.2	4683.2	4864.0	5257.7	6234.8	6687.2	5861.6
25°	5092.6	5048.6	5057.4	4925.5	4913.8	5047.7	5341.8	6178.2	6870.9	5971.0
27.5°	5608.5	5558.7	5532.3	5335.9	5242.1	5308.6	5512.8	6197.7	7044.9	6065.8
30°	6253.4	6192.8	6139.1	5860.6	5690.6	5666.2	5778.5	6326.7	7250.0	6165.5
32.5°	7043.9	6973.5	6875.8	6506.5	6267.1	6139.1	6122.5	6556.3	7490.4	6292.5
35°	7984.8	7893.0	7754.2	7276.4	6973.5	6711.7	6575.8	6887.5	7819.7	6484.0
37.5°	8954.1	8850.5	8723.5	8154.8	7782.6	7396.6	7128.9	7337.0	8258.4	6743.9
40°	9848.1	9731.9	9613.6	9107.5	8707.9	8242.8	7806.0	7905.7	8794.8	7054.6
42.5°	10375.8	10289.8	10244.8	9971.2	9662.5	9190.6	8648.3	8579.9	9397.7	7412.2
45°	10352.3	10317.1	10455.9	10569.2	10495.9	10234.1	9635.1	9325.4	10002.5	7722.0
47.5°	9799.3	9822.7	10132.5	10769.5	11050.0	11186.8	10758.8	10057.2	10528.2	7953.5
50°	8294.6	8314.1	9031.3	10405.1	11192.6	11963.5	11873.7	10771.5	10935.6	8095.2
52.5°	7103.5	7116.2	7424.0	9324.4	10721.7	12354.4	12878.1	11444.7	11233.7	8134.3
55°	5350.6	5394.5	5739.5	7315.5	9496.4	12044.6	13489.8	12138.4	11422.2	8138.2
57.5°	3125.7	3173.6	3599.6	4965.6	7381.0	10965.0	13582.6	12754.0	11550.2	8107.0
60°	1531.1	1551.6	1737.3	2609.8	4551.3	8884.7	12836.1	13052.0	11621.6	8090.3
62.5°	1031.8	1028.9	1036.7	1287.8	2242.4	5708.2	11280.6	12530.3	11583.5	8026.8
65°	887.2	876.5	847.1	903.8	1161.8	2610.8	8715.7	10972.8	11293.3	7867.6
67.5°	767.0	768.0	769.0	751.4	829.6	1204.8	5326.1	8643.4	10251.7	7113.2
70°	635.1	643.9	647.8	647.8	676.1	790.5	2273.7	5924.1	8086.4	5577.3
72.5°	578.4	559.9	561.8	552.1	552.1	601.9	915.5	3358.3	5094.6	3137.5
75°	471.9	483.7	485.6	478.8	456.3	459.2	543.3	1409.0	2179.9	1301.5
77.5°	407.4	407.4	411.4	406.5	388.9	343.9	362.5	546.2	741.6	533.5
80°	327.3	326.3	343.0	352.7	325.4	254.0	231.6	301.9	329.3	234.5
82.5°	159.3	169.0	235.5	268.7	247.2	183.7	141.7	187.6	175.9	103.6
85°	92.8	87.9	105.5	149.5	141.7	101.6	68.4	97.7	91.8	52.8
87.5°	29.3	27.4	21.5	50.8	41.0	28.3	18.6	28.3	25.4	11.7
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°
4736.0	0°	4736.0	4736.0	4736.0	4736.0	4736.0	4736.0	4736.0	4736.0	4736.0	4736.0
4751.6	2.5°	4682.2	4566.9	4452.6	4348.1	4284.6	4243.5	4202.5	4156.6	4139.0	4112.6
4764.3	5°	4635.3	4412.6	4214.2	4043.2	3887.9	3765.7	3642.6	3542.9	3498.0	3528.3
4804.4	7.5°	4608.0	4285.5	3979.7	3666.1	3364.1	3122.8	2912.7	2765.2	2698.7	2715.3
4843.5	10°	4583.6	4141.9	3675.8	3180.4	2746.6	2447.6	2232.7	2120.3	2078.3	2087.1
4896.2	12.5°	4561.1	3980.7	3309.4	2657.7	2196.5	1999.1	1937.6	1938.6	1946.4	1952.2
4980.3	15°	4557.2	3786.2	2900.0	2200.4	1899.5	1886.8	1953.2	1995.2	2017.7	2024.5
5050.6	17.5°	4551.3	3553.7	2482.8	1888.7	1827.2	1913.2	1974.7	2002.1	2019.7	2020.6
5119.0	20°	4527.9	3258.6	2097.8	1740.2	1811.5	1885.8	1923.9	1945.4	1960.1	1964.9
5170.8	22.5°	4455.6	2930.3	1797.9	1673.8	1749.0	1808.6	1853.5	1878.0	1886.8	1892.6
5180.6	25°	4325.6	2562.9	1590.7	1610.3	1662.0	1737.3	1773.4	1778.3	1775.4	1784.2
5156.1	27.5°	4155.6	2169.1	1461.7	1524.3	1590.7	1655.2	1674.7	1671.8	1665.9	1675.7
5114.1	30°	3950.4	1815.4	1379.7	1427.5	1518.4	1577.0	1594.6	1587.8	1576.1	1586.8
5092.6	32.5°	3733.5	1526.2	1312.2	1360.1	1458.8	1516.5	1534.0	1527.2	1518.4	1527.2
5117.0	35°	3531.2	1324.0	1249.7	1315.2	1411.9	1468.6	1491.0	1492.0	1492.0	1502.8
5181.5	37.5°	3345.6	1205.7	1197.9	1286.8	1379.7	1430.5	1462.7	1464.7	1422.6	1425.6
5291.0	40°	3173.6	1155.9	1174.5	1268.3	1348.4	1397.2	1399.2	1289.8	1212.6	1210.6
5416.0	42.5°	3032.9	1146.1	1181.3	1266.3	1325.9	1327.9	1190.1	1105.1	1083.6	1084.6
5531.3	45°	2901.0	1143.2	1196.9	1266.3	1292.7	1147.1	1054.3	1031.8	1033.8	1041.6
5583.1	47.5°	2753.5	1131.5	1199.9	1248.7	1196.9	1020.1	992.7	983.0	979.0	981.0
5571.4	50°	2592.2	1089.5	1162.7	1213.6	1032.8	965.4	931.2	928.2	933.1	936.1
5505.9	52.5°	2422.2	1021.1	1099.2	1150.0	957.6	917.5	879.4	886.2	907.7	914.6
5437.5	55°	2310.8	940.9	1015.2	1023.0	904.8	872.5	840.3	855.9	896.0	908.7
5396.5	57.5°	2281.5	855.9	919.4	910.7	837.4	833.5	813.9	827.6	878.4	897.0
5394.5	60°	2272.7	779.7	825.6	818.8	771.9	790.5	785.6	792.4	810.0	815.9
5375.0	62.5°	2204.3	719.1	741.6	731.8	713.3	745.5	757.2	742.6	756.3	763.1
5241.1	65°	2030.4	670.3	659.5	652.7	660.5	689.8	713.3	684.0	696.7	716.2
4725.2	67.5°	1743.1	603.8	574.5	582.3	606.8	622.4	652.7	619.5	630.2	663.4
3805.8	70°	1409.9	519.8	493.4	515.9	539.4	571.6	576.5	554.0	579.4	616.5
2322.6	72.5°	997.6	434.8	416.2	462.2	470.0	512.0	501.2	490.5	525.7	538.4
1148.1	75°	691.8	350.8	340.0	375.2	403.5	439.7	431.9	444.6	518.8	524.7
573.6	77.5°	437.7	272.6	265.8	288.2	327.3	367.4	380.1	524.7	886.2	921.4
298.0	80°	254.0	203.2	195.4	213.0	247.2	284.3	366.4	643.9	584.3	577.5
133.9	82.5°	141.7	139.7	130.0	134.8	165.1	205.2	517.9	453.4	368.4	380.1
53.7	85°	66.4	82.1	70.4	67.4	92.8	240.4	345.9	258.9	172.0	168.1
11.7	87.5°	17.6	15.6	15.6	17.6	39.1	207.1	137.8	110.4	65.5	63.5
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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