

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: P957474

Luminaire Tested: **GLAN-SB9D-827-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957474
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-827-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 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: 68719 lumens
Efficiency: N/A
Efficacy: 104.4 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

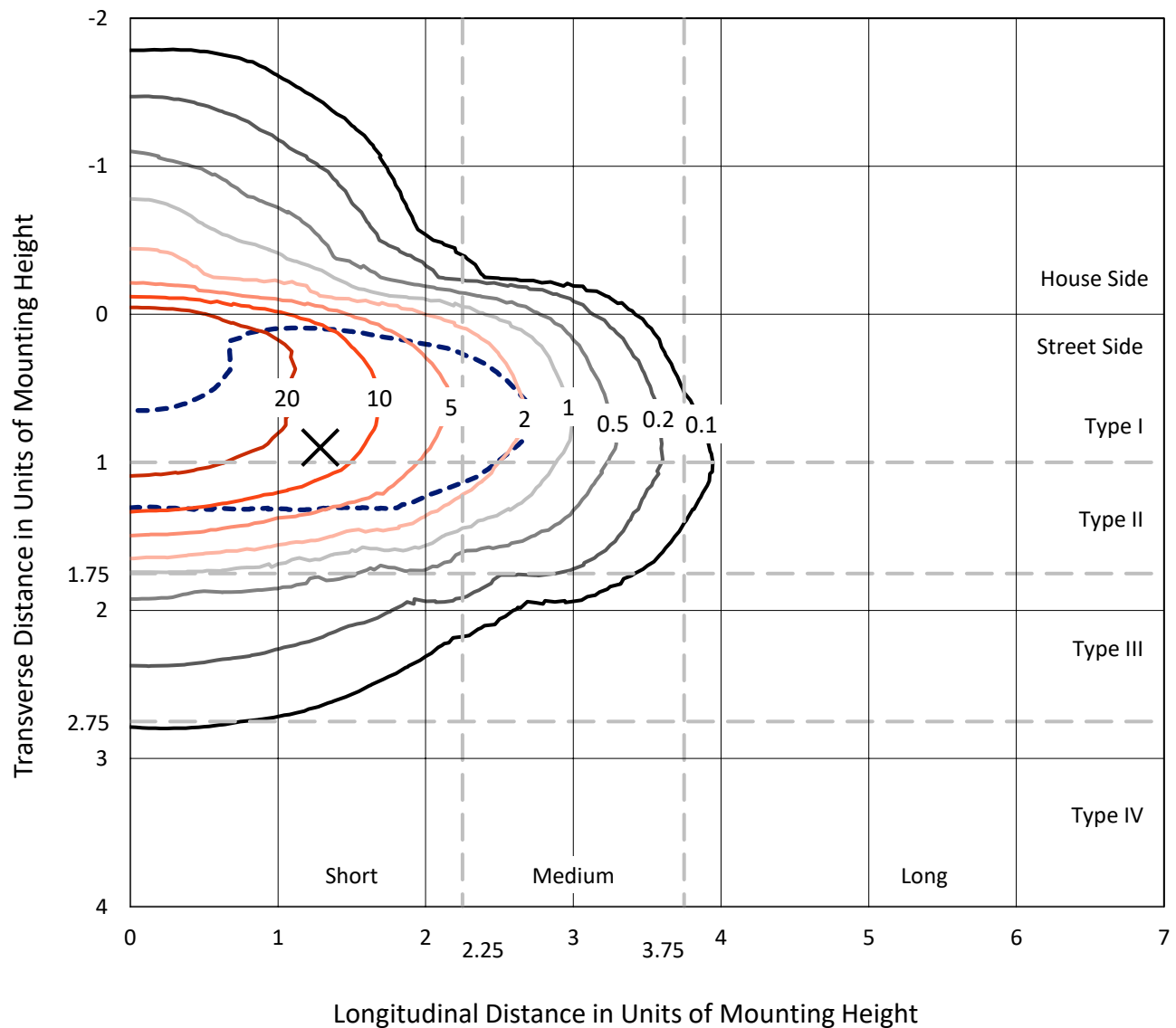


REPORT NUMBER: P957474

CATALOG NUMBER: GLAN-SB9D-827-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



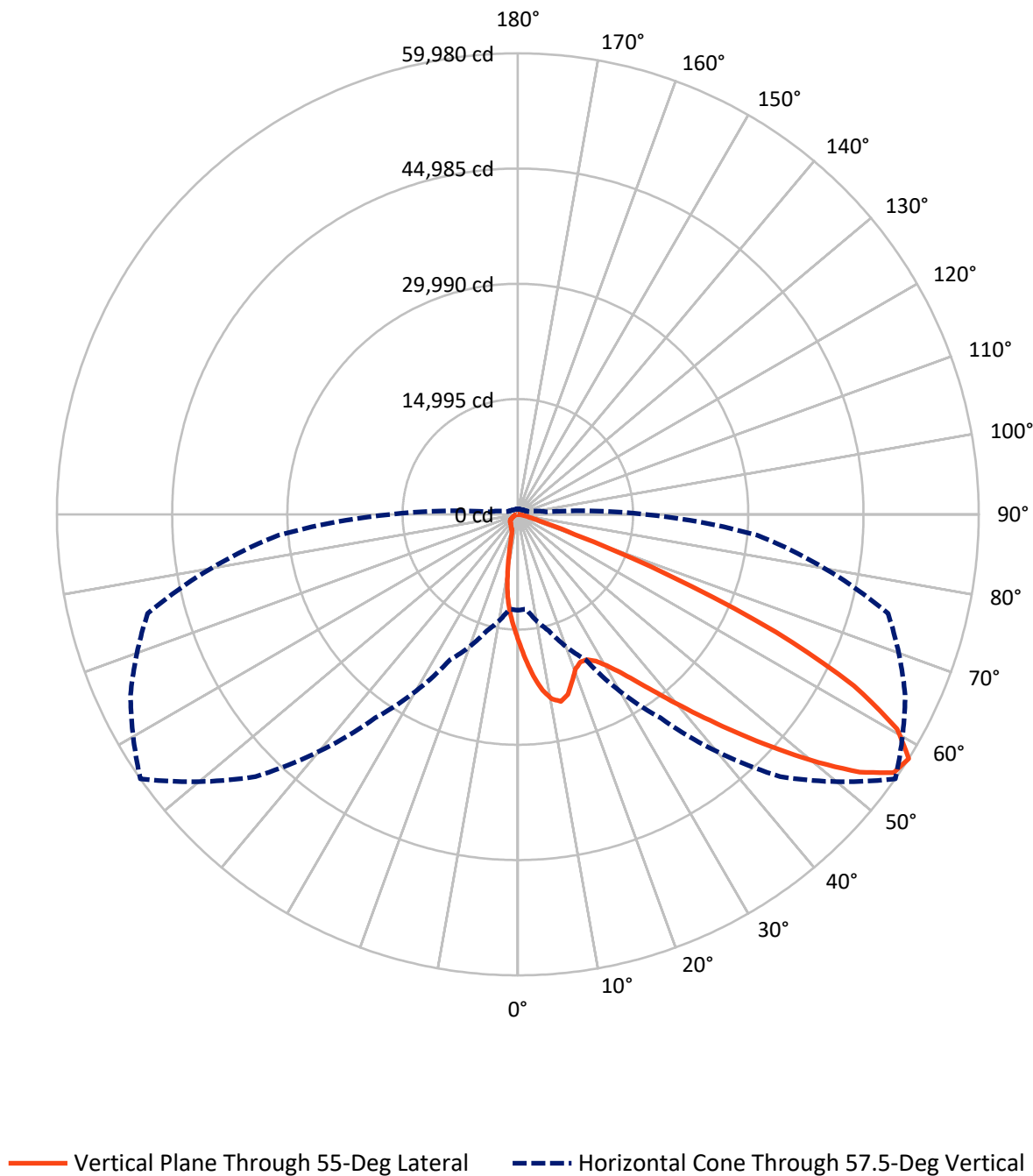
Based on 25 foot mounting height. Maximum calculated value = 37.9 fc

Type II - Short - N/A

REPORT NUMBER: P957474

CATALOG NUMBER: GLAN-SB9D-827-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P957474

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5366.7	0.0	5366.7
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	63352.3	0.0	63352.3
	% Fixture	92.2	0.0	92.2
Total	Lumens	68719.0	0.0	68719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1540.8	2.2
10°-20°	3721.8	5.4
20°-30°	5954.8	8.7
30°-40°	10078.8	14.7
40°-50°	16547.2	24.1
50°-60°	18186.6	26.5
60°-70°	10431.8	15.2
70°-80°	2131.5	3.1
80°-90°	125.7	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°	68719.0	100.0
0°-180°	68719.0	100.0

Coefficient of Utilization



REPORT NUMBER: P957474

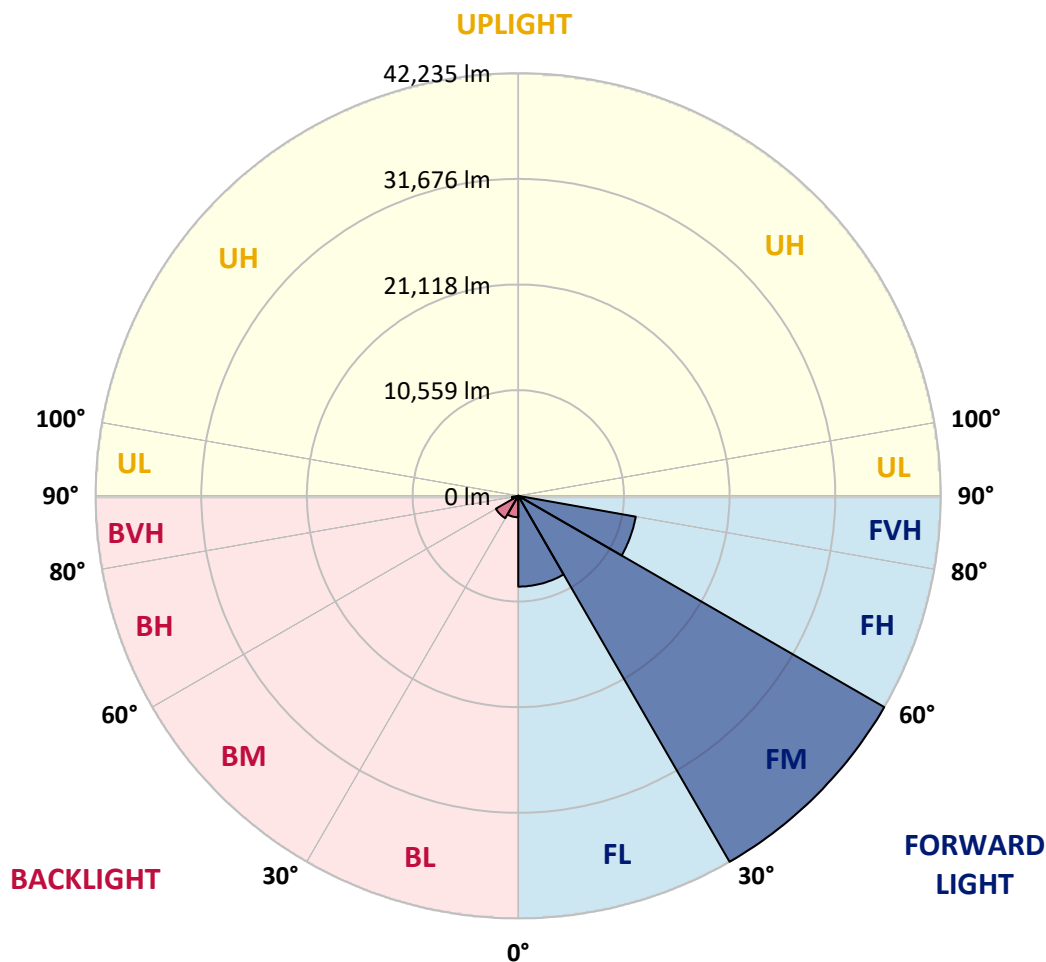
CATALOG NUMBER: GLAN-SB9D-827-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9074.8	13.2			
FM	(30°-60°)	42235.2	61.5			
FH	(60°-80°)	11925.1	17.4			G4/12000
FVH	(80°-90°)	117.3	0.2			G2/225
BL	(0°-30°)	2142.5	3.1	B3/2500		
BM	(30°-60°)	2577.4	3.8	B3/5000		
BH	(60°-80°)	638.3	0.9	B2/1000		G2/1000
BVH	(80°-90°)	8.5	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



REPORT NUMBER: P957474

CATALOG NUMBER: GLAN-SB9D-827-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16559.6	16559.6	16559.6	16559.6	16559.6	16559.6	16559.6	16559.6	16559.6	16559.6
2.5°	20546.9	20288.5	20250.3	20199.5	19707.9	19339.3	18805.4	18220.6	17563.8	16894.3
5°	23737.7	23534.3	23496.1	23258.8	22699.5	22072.4	21123.2	19924.0	18699.4	17258.7
7.5°	24356.3	24318.2	24491.9	24483.4	24407.2	23911.4	23110.5	21682.5	19843.5	17707.9
10°	21597.8	21695.3	22212.2	22665.6	23890.2	24602.1	24428.4	23250.4	21021.5	18220.6
12.5°	19085.0	18970.6	19339.3	19852.0	21275.8	23394.4	24975.0	24559.7	22369.0	18801.1
15°	17508.8	17462.1	17669.8	17907.1	18991.8	21127.5	24339.4	25623.3	23665.6	19487.6
17.5°	17004.5	16966.4	17029.9	17089.3	17792.7	19445.2	22826.6	26275.8	24907.2	20271.5
20°	17415.5	17364.7	17356.2	17309.6	17602.0	18729.1	21458.0	26322.5	26021.6	20983.4
22.5°	18614.7	18555.4	18347.7	18161.3	18186.7	18826.6	20847.8	25856.3	26860.6	21648.6
25°	20788.5	20691.0	20258.8	19631.7	19233.4	19504.5	20941.0	25241.9	27661.5	22169.8
27.5°	23508.8	23381.7	22826.6	21894.4	20983.4	20652.9	21614.8	24818.2	28326.7	22568.2
30°	26174.1	26008.9	25462.3	24737.7	23407.2	22364.8	22830.9	25004.6	29119.1	22983.4
32.5°	29051.3	28894.5	28169.9	27271.6	26169.9	24767.3	24496.2	25915.7	30089.5	23563.9
35°	32691.2	32445.4	31415.8	30191.2	29021.6	27602.1	26750.4	27487.7	31381.9	24449.5
37.5°	36835.3	36504.8	35394.6	33703.9	32178.5	30589.5	29496.2	29648.8	33276.0	25636.0
40°	40742.2	40441.3	39415.9	37822.6	35907.4	33979.4	32814.1	32475.1	35890.4	27080.9
42.5°	43085.4	42814.2	42382.0	41708.3	40093.9	38127.7	36657.4	35924.3	38983.7	28809.8
45°	43216.8	42979.5	43560.0	44343.9	44026.1	42716.8	40924.4	39581.1	42089.7	30432.7
47.5°	41115.1	40954.0	42716.8	45454.1	46818.5	47369.4	45716.8	42932.9	44653.3	31598.0
50°	35386.2	35326.8	38954.0	43979.5	47882.1	51445.7	50772.0	46051.6	46640.6	32199.7
52.5°	30682.7	30466.6	32581.0	39259.1	46335.5	53589.8	55712.8	49111.0	48030.4	32314.1
55°	23271.6	23080.9	25733.5	31360.7	41348.1	52827.1	59327.2	52267.8	49026.2	32021.7
57.5°	12483.2	12364.6	15716.4	20873.2	32322.5	48250.8	59979.8	55606.8	49865.2	31246.3
60°	4860.2	4839.1	6093.3	10127.3	19644.4	39254.9	56687.3	57611.1	50390.6	30292.9
62.5°	2940.7	3004.3	3207.7	4546.7	8678.1	24386.0	49098.2	55331.4	50742.3	29420.0
65°	2432.2	2436.5	2461.9	3122.9	4156.8	10203.6	36962.5	47831.3	49873.7	27864.8
67.5°	2084.8	2122.9	2220.4	2478.9	2932.3	4474.6	21280.0	37051.4	44589.7	24246.1
70°	1644.1	1694.9	1817.8	2038.2	2262.7	2800.9	7864.5	24652.9	34064.1	18275.7
72.5°	1385.6	1381.4	1444.9	1656.8	1796.6	1970.4	3025.5	13813.8	19796.9	8724.7
75°	1072.1	1114.4	1194.9	1385.6	1470.4	1428.0	1639.9	5046.7	7093.3	2644.1
77.5°	839.0	872.9	944.9	1131.4	1216.1	1012.7	944.9	1805.1	2279.7	949.2
80°	377.1	406.8	644.1	834.8	991.5	699.2	512.7	923.7	1012.7	432.2
82.5°	67.8	114.4	377.1	440.7	508.5	453.4	267.0	478.8	495.8	173.7
85°	4.2	8.5	131.4	161.0	203.4	148.3	80.5	190.7	165.3	59.3
87.5°	0.0	0.0	0.0	4.2	4.2	21.2	25.4	33.9	25.4	21.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P957474

CATALOG NUMBER: GLAN-SB9D-827-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
16559.6	0°	16559.6	16559.6	16559.6	16559.6	16559.6	16559.6	16559.6	16559.6	16559.6	16559.6
16597.7	2.5°	16292.6	15690.9	15106.2	14627.4	14347.7	13873.1	13559.5	13508.7	13377.3	13491.7
16640.1	5°	15979.1	14902.8	13813.8	12839.2	12038.3	11004.4	10233.2	9906.9	9623.0	9720.5
16750.3	7.5°	15830.8	14131.6	12436.6	10771.4	9059.5	7406.9	6178.1	5665.3	5275.5	5330.6
16873.1	10°	15631.6	13330.7	10673.9	8131.5	5839.1	4207.7	3360.2	3046.7	2872.9	2877.2
17055.4	12.5°	15479.1	12373.1	8627.3	5512.8	3555.1	2686.5	2423.8	2347.5	2296.6	2300.9
17330.8	15°	15402.8	11245.9	6606.0	3673.8	2542.4	2275.5	2211.9	2178.0	2144.1	2139.9
17635.9	17.5°	15275.7	9991.7	4834.8	2682.2	2224.6	2131.4	2076.3	2038.2	1995.8	1987.3
17898.6	20°	15085.0	8567.9	3534.0	2267.0	2084.8	2012.7	1936.5	1885.6	1834.8	1826.3
18063.8	22.5°	14733.3	7063.7	2716.1	2097.5	1983.1	1902.6	1809.4	1750.0	1699.2	1690.7
17983.3	25°	14080.7	5652.6	2288.2	1991.6	1894.1	1796.6	1694.9	1614.4	1567.8	1559.3
17809.6	27.5°	13254.4	4440.7	2076.3	1894.1	1779.7	1690.7	1576.3	1500.0	1457.7	1449.2
17580.8	30°	12279.9	3419.5	1953.4	1783.9	1644.1	1567.8	1466.1	1402.6	1377.1	1377.1
17419.8	32.5°	11229.0	2733.1	1902.6	1673.8	1525.4	1440.7	1360.2	1334.8	1326.3	1322.1
17508.8	35°	10241.7	2372.9	1877.1	1584.8	1419.5	1339.0	1305.1	1309.3	1326.3	1326.3
17784.2	37.5°	9364.6	2258.5	1864.4	1521.2	1326.3	1254.3	1275.4	1313.6	1296.6	1296.6
18267.2	40°	8572.2	2271.2	1856.0	1474.6	1250.0	1207.6	1250.0	1220.4	1178.0	1173.7
18856.2	42.5°	7966.2	2377.2	1839.0	1436.5	1203.4	1173.7	1156.8	1110.2	1105.9	1114.4
19466.4	45°	7525.5	2470.4	1834.8	1419.5	1152.6	1097.5	1076.3	1029.7	1114.4	1135.6
19716.4	47.5°	7004.3	2470.4	1834.8	1360.2	1067.8	1046.6	1012.7	961.9	1046.6	1067.8
19479.1	50°	6330.6	2313.6	1762.7	1292.4	1000.0	987.3	928.0	864.4	847.5	860.2
18924.0	52.5°	5478.9	2029.7	1580.5	1199.2	932.2	906.8	834.8	788.1	775.4	775.4
17928.3	55°	4508.5	1699.2	1334.8	1063.6	860.2	813.6	762.7	741.5	728.8	720.4
16534.2	57.5°	3665.3	1394.1	1072.1	944.9	792.4	733.1	716.1	690.7	669.5	656.8
15368.9	60°	3008.5	1097.5	885.6	839.0	724.6	669.5	665.3	631.4	576.3	567.8
14407.0	62.5°	2322.1	805.1	745.8	728.8	656.8	610.2	601.7	533.9	449.2	432.2
13042.6	65°	1639.9	627.1	601.7	639.8	584.8	542.4	521.2	419.5	330.5	317.8
10915.4	67.5°	1152.6	525.4	474.6	559.3	508.5	453.4	440.7	355.9	275.4	267.0
8254.4	70°	822.0	428.0	389.8	478.8	406.8	398.3	372.9	296.6	224.6	216.1
4084.8	72.5°	580.5	326.3	300.9	415.3	279.7	343.2	305.1	228.8	169.5	161.0
1389.9	75°	428.0	233.1	211.9	241.5	203.4	258.5	216.1	152.5	105.9	101.7
627.1	77.5°	313.6	148.3	127.1	118.6	118.6	161.0	118.6	63.6	46.6	42.4
317.8	80°	220.3	67.8	59.3	50.8	46.6	38.1	16.9	8.5	4.2	4.2
110.2	82.5°	131.4	29.7	29.7	21.2	12.7	0.0	0.0	0.0	0.0	0.0
42.4	85°	29.7	12.7	12.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0
16.9	87.5°	4.2	4.2	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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