

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: P948718

Luminaire Tested: **GLAN-SB3C-940-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948718
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-SB3C-940-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16560 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

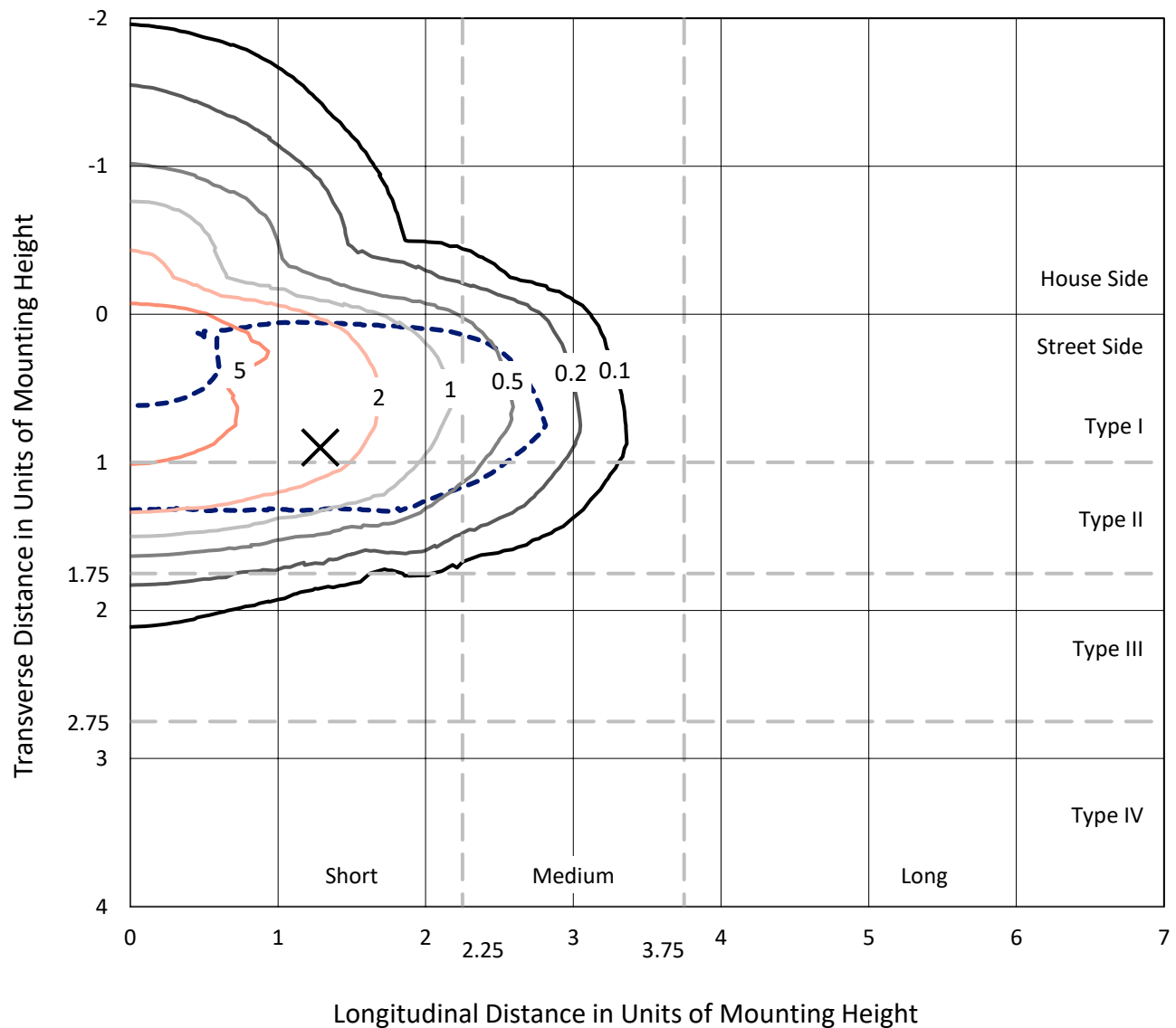
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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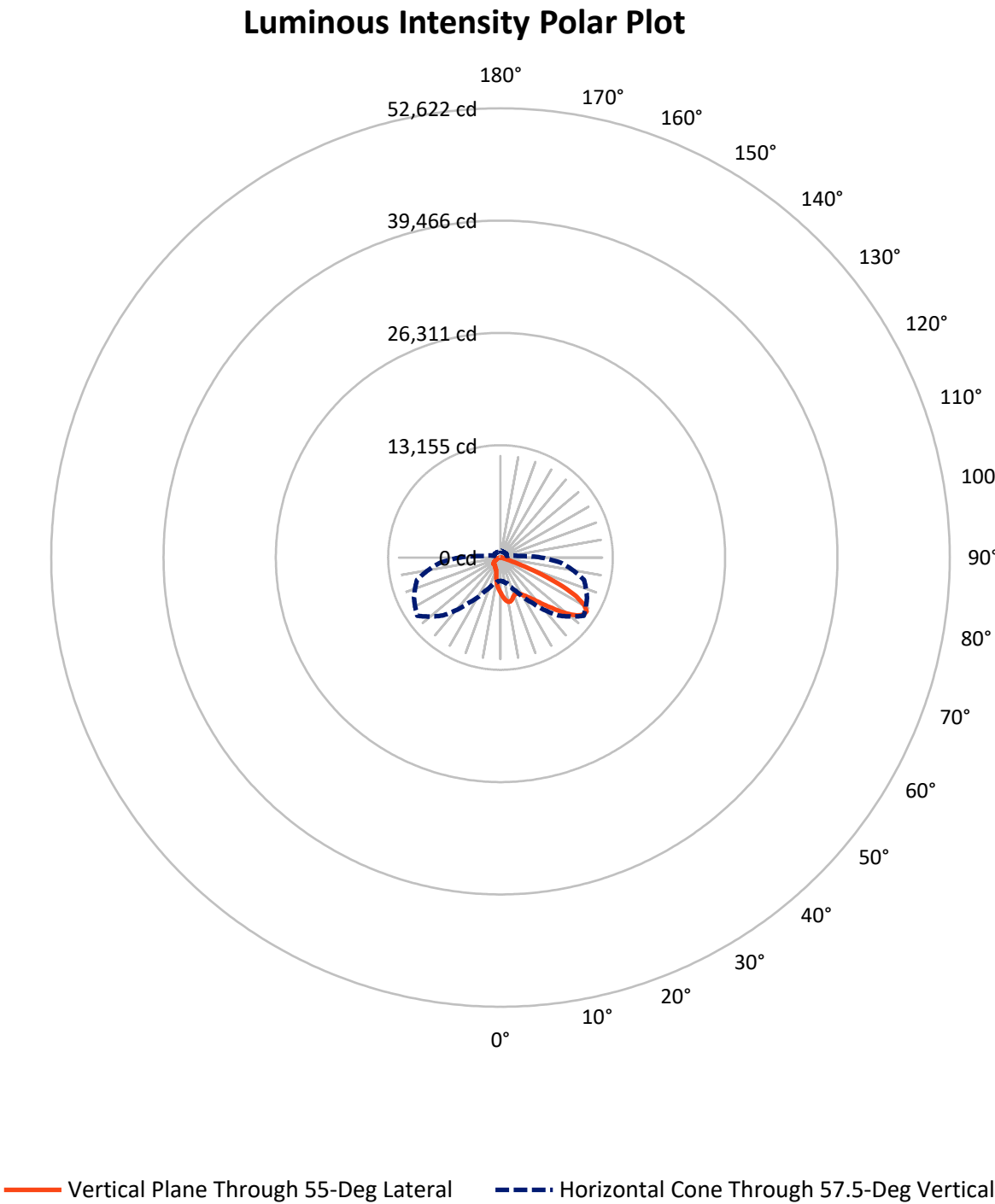
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2996.5	0.0	2996.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13563.5	0.0	13563.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	16560.0	0.0	16560.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.0	2.3
10°-20°	971.9	5.9
20°-30°	1550.8	9.4
30°-40°	2455.3	14.8
40°-50°	3758.1	22.7
50°-60°	4025.3	24.3
60°-70°	2532.3	15.3
70°-80°	748.9	4.5
80°-90°	132.4	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°	16560.0	100.0
0°-180°	16560.0	100.0

Coefficient of Utilization



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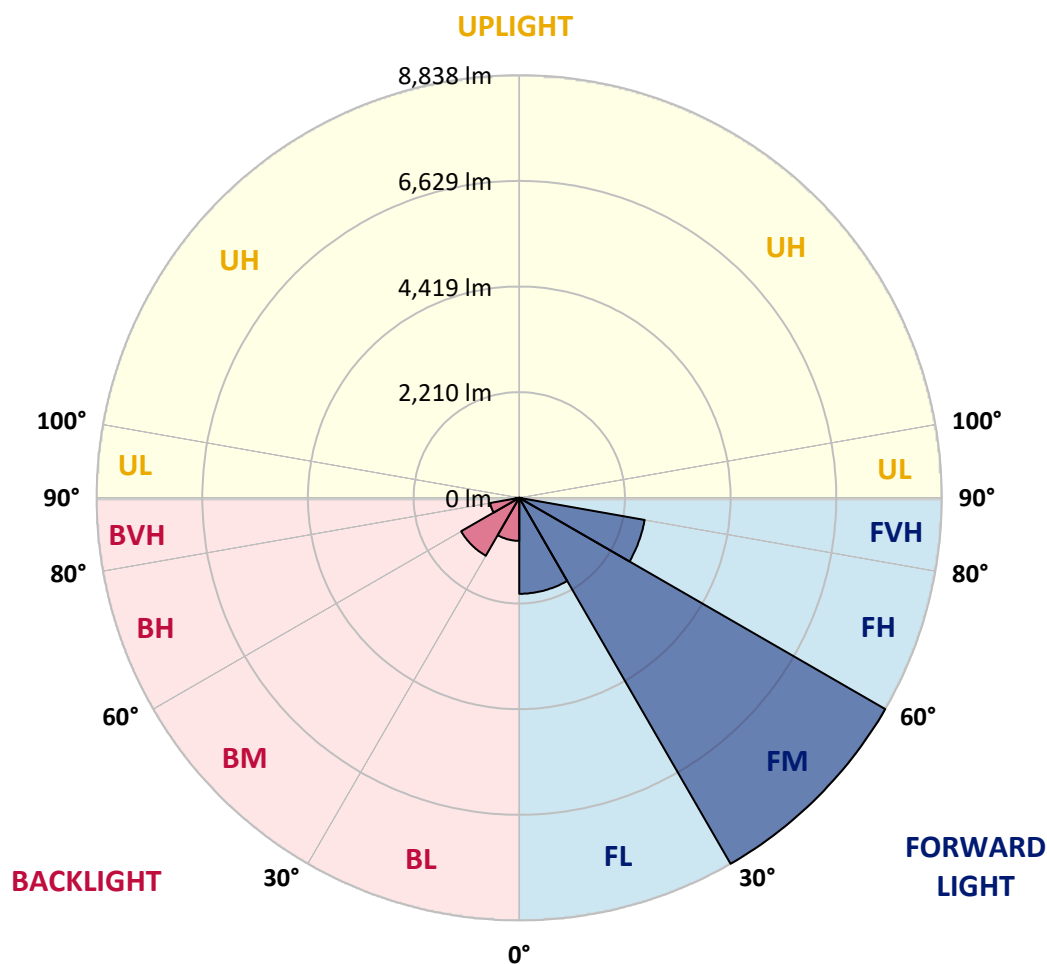
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2007.1	12.1			
FM	(30°-60°)	8838.2	53.4			
FH	(60°-80°)	2662.3	16.1			G2/5000
FVH	(80°-90°)	55.9	0.3			G1/100
BL	(0°-30°)	900.6	5.4	B2/1000		
BM	(30°-60°)	1400.5	8.5	B2/2500		
BH	(60°-80°)	618.8	3.7	B2/1000		G2/1000
BVH	(80°-90°)	76.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4149.4	4149.4	4149.4	4149.4	4149.4	4149.4	4149.4	4149.4	4149.4	4149.4
2.5°	4760.6	4757.2	4776.0	4711.8	4668.2	4609.1	4531.2	4431.9	4324.9	4211.9
5°	5189.5	5159.6	5179.3	5131.3	5083.4	4994.3	4878.8	4717.0	4519.2	4294.1
7.5°	5121.9	5101.4	5151.9	5194.7	5230.6	5219.5	5134.7	4965.2	4710.1	4383.1
10°	4576.6	4553.5	4624.5	4772.6	4990.1	5179.3	5282.0	5176.7	4905.3	4480.7
12.5°	4095.5	4084.3	4131.4	4251.3	4492.7	4855.7	5263.2	5361.6	5108.2	4596.3
15°	3890.0	3876.3	3906.3	3967.1	4121.1	4459.3	5091.9	5488.3	5307.7	4729.8
17.5°	3844.6	3829.2	3842.1	3873.7	3973.0	4230.7	4833.4	5550.8	5515.7	4878.8
20°	3928.5	3915.7	3917.4	3915.7	3985.0	4189.6	4653.6	5526.8	5697.2	5015.7
22.5°	4131.4	4110.0	4110.9	4065.5	4103.2	4261.5	4606.5	5462.6	5859.0	5135.6
25°	4461.9	4423.3	4431.0	4315.5	4305.2	4422.5	4680.2	5413.0	6019.9	5231.5
27.5°	4913.9	4870.2	4847.1	4675.0	4592.8	4651.1	4830.0	5430.1	6172.3	5314.5
30°	5478.9	5425.8	5378.7	5134.7	4985.8	4964.4	5062.8	5543.1	6352.1	5401.8
32.5°	6171.4	6109.8	6024.2	5700.6	5490.9	5378.7	5364.2	5744.3	6562.7	5513.1
35°	6995.8	6915.4	6793.8	6375.2	6109.8	5880.4	5761.4	6034.5	6851.2	5680.9
37.5°	7845.1	7754.3	7643.0	7144.8	6818.6	6480.5	6245.9	6428.3	7235.6	5908.6
40°	8628.4	8526.5	8422.9	7979.5	7629.3	7221.9	6839.2	6926.5	7705.5	6180.9
42.5°	9090.7	9015.3	8976.0	8736.3	8465.7	8052.2	7577.1	7517.2	8233.7	6494.2
45°	9070.1	9039.3	9160.9	9260.2	9196.0	8966.5	8441.8	8170.4	8763.6	6765.6
47.5°	8585.6	8606.1	8877.5	9435.7	9681.4	9801.2	9426.2	8811.6	9224.2	6968.5
50°	7267.2	7284.3	7912.7	9116.3	9806.3	10481.8	10403.0	9437.4	9581.2	7092.6
52.5°	6223.7	6234.8	6504.5	8169.5	9393.7	10824.2	11283.1	10027.2	9842.3	7126.8
55°	4687.9	4726.4	5028.6	6409.4	8320.2	10552.8	11819.0	10635.0	10007.5	7130.3
57.5°	2738.6	2780.5	3153.8	4350.6	6466.8	9606.9	11900.3	11174.4	10119.7	7102.9
60°	1341.5	1359.4	1522.1	2286.6	3987.6	7784.3	11246.3	11435.5	10182.2	7088.3
62.5°	904.0	901.4	908.3	1128.3	1964.7	5001.2	9883.4	10978.3	10148.8	7032.7
65°	777.3	767.9	742.2	791.9	1017.9	2287.4	7636.2	9613.7	9894.5	6893.1
67.5°	672.0	672.9	673.7	658.3	726.8	1055.5	4666.5	7572.8	8981.9	6232.2
70°	556.4	564.2	567.6	567.6	592.4	692.6	1992.1	5190.4	7084.9	4886.5
72.5°	506.8	490.5	492.2	483.7	483.7	527.3	802.1	2942.3	4463.6	2748.9
75°	413.5	423.8	425.5	419.5	399.8	402.4	476.0	1234.5	1909.9	1140.3
77.5°	357.0	357.0	360.4	356.1	340.7	301.3	317.6	478.5	649.8	467.4
80°	286.8	285.9	300.5	309.0	285.1	222.6	202.9	264.5	288.5	205.5
82.5°	139.5	148.1	206.3	235.4	216.6	160.9	124.1	164.4	154.1	90.7
85°	81.3	77.0	92.5	131.0	124.1	89.0	59.9	85.6	80.5	46.2
87.5°	25.7	24.0	18.8	44.5	36.0	24.8	16.3	24.8	22.3	10.3
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°
4149.4	0°	4149.4	4149.4	4149.4	4149.4	4149.4	4149.4	4149.4	4149.4	4149.4	4149.4
4163.1	2.5°	4102.3	4001.3	3901.1	3809.5	3753.9	3717.9	3682.0	3641.7	3626.3	3603.2
4174.2	5°	4061.2	3866.0	3692.3	3542.4	3406.3	3299.3	3191.4	3104.1	3064.8	3091.3
4209.3	7.5°	4037.3	3754.7	3486.8	3212.0	2947.5	2736.0	2552.0	2422.7	2364.5	2379.0
4243.6	10°	4015.9	3628.9	3220.6	2786.5	2406.4	2144.5	1956.1	1857.7	1820.9	1828.6
4289.8	12.5°	3996.2	3487.7	2899.5	2328.5	1924.5	1751.5	1697.6	1698.5	1705.3	1710.4
4363.4	15°	3992.7	3317.3	2540.8	1927.9	1664.2	1653.1	1711.3	1748.1	1767.8	1773.8
4425.1	17.5°	3987.6	3113.5	2175.3	1654.8	1600.9	1676.2	1730.1	1754.1	1769.5	1770.4
4485.0	20°	3967.1	2855.0	1838.0	1524.7	1587.2	1652.2	1685.6	1704.4	1717.3	1721.6
4530.4	22.5°	3903.7	2567.4	1575.2	1466.5	1532.4	1584.6	1624.0	1645.4	1653.1	1658.2
4538.9	25°	3789.8	2245.5	1393.7	1410.8	1456.2	1522.1	1553.8	1558.1	1555.5	1563.2
4517.5	27.5°	3640.9	1900.5	1280.7	1335.5	1393.7	1450.2	1467.3	1464.7	1459.6	1468.2
4480.7	30°	3461.1	1590.6	1208.8	1250.7	1330.3	1381.7	1397.1	1391.1	1380.8	1390.3
4461.9	32.5°	3271.1	1337.2	1149.7	1191.7	1278.1	1328.6	1344.0	1338.0	1330.3	1338.0
4483.3	35°	3093.9	1160.0	1094.9	1152.3	1237.0	1286.7	1306.4	1307.2	1307.2	1316.6
4539.8	37.5°	2931.2	1056.4	1049.5	1127.5	1208.8	1253.3	1281.5	1283.3	1246.4	1249.0
4635.6	40°	2780.5	1012.7	1029.0	1111.2	1181.4	1224.2	1225.9	1130.0	1062.4	1060.7
4745.2	42.5°	2657.3	1004.2	1035.0	1109.5	1161.7	1163.4	1042.7	968.2	949.4	950.2
4846.2	45°	2541.7	1001.6	1048.7	1109.5	1132.6	1005.0	923.7	904.0	905.7	912.6
4891.6	47.5°	2412.4	991.3	1051.3	1094.1	1048.7	893.7	869.8	861.2	857.8	859.5
4881.3	50°	2271.2	954.5	1018.7	1063.2	904.9	845.8	815.8	813.3	817.6	820.1
4824.0	52.5°	2122.2	894.6	963.1	1007.6	839.0	803.9	770.5	776.5	795.3	801.3
4764.1	55°	2024.6	824.4	889.5	896.3	792.7	764.5	736.2	749.9	785.0	796.2
4728.1	57.5°	1998.9	749.9	805.6	797.9	733.7	730.2	713.1	725.1	769.6	785.9
4726.4	60°	1991.2	683.1	723.4	717.4	676.3	692.6	688.3	694.3	709.7	714.8
4709.3	62.5°	1931.3	630.1	649.8	641.2	624.9	653.2	663.5	650.6	662.6	668.6
4592.0	65°	1778.9	587.3	577.9	571.9	578.7	604.4	624.9	599.3	610.4	627.5
4140.0	67.5°	1527.2	529.1	503.4	510.2	531.6	545.3	571.9	542.8	552.2	581.3
3334.4	70°	1235.3	455.4	432.3	452.0	472.6	500.8	505.1	485.4	507.7	540.2
2034.9	72.5°	874.1	381.0	364.7	404.9	411.8	448.6	439.2	429.7	460.6	471.7
1005.9	75°	606.1	307.3	297.9	328.7	353.6	385.2	378.4	389.5	454.6	459.7
502.5	77.5°	383.5	238.8	232.9	252.5	286.8	321.9	333.0	459.7	776.5	807.3
261.1	80°	222.6	178.1	171.2	186.6	216.6	249.1	321.0	564.2	511.9	505.9
117.3	82.5°	124.1	122.4	113.9	118.1	144.7	179.8	453.7	397.2	322.7	333.0
47.1	85°	58.2	71.9	61.6	59.1	81.3	210.6	303.1	226.9	150.7	147.2
10.3	87.5°	15.4	13.7	13.7	15.4	34.2	181.5	120.7	96.7	57.4	55.6
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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