

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: P942698

Luminaire Tested: **GLAN-SB6D-827-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40628 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

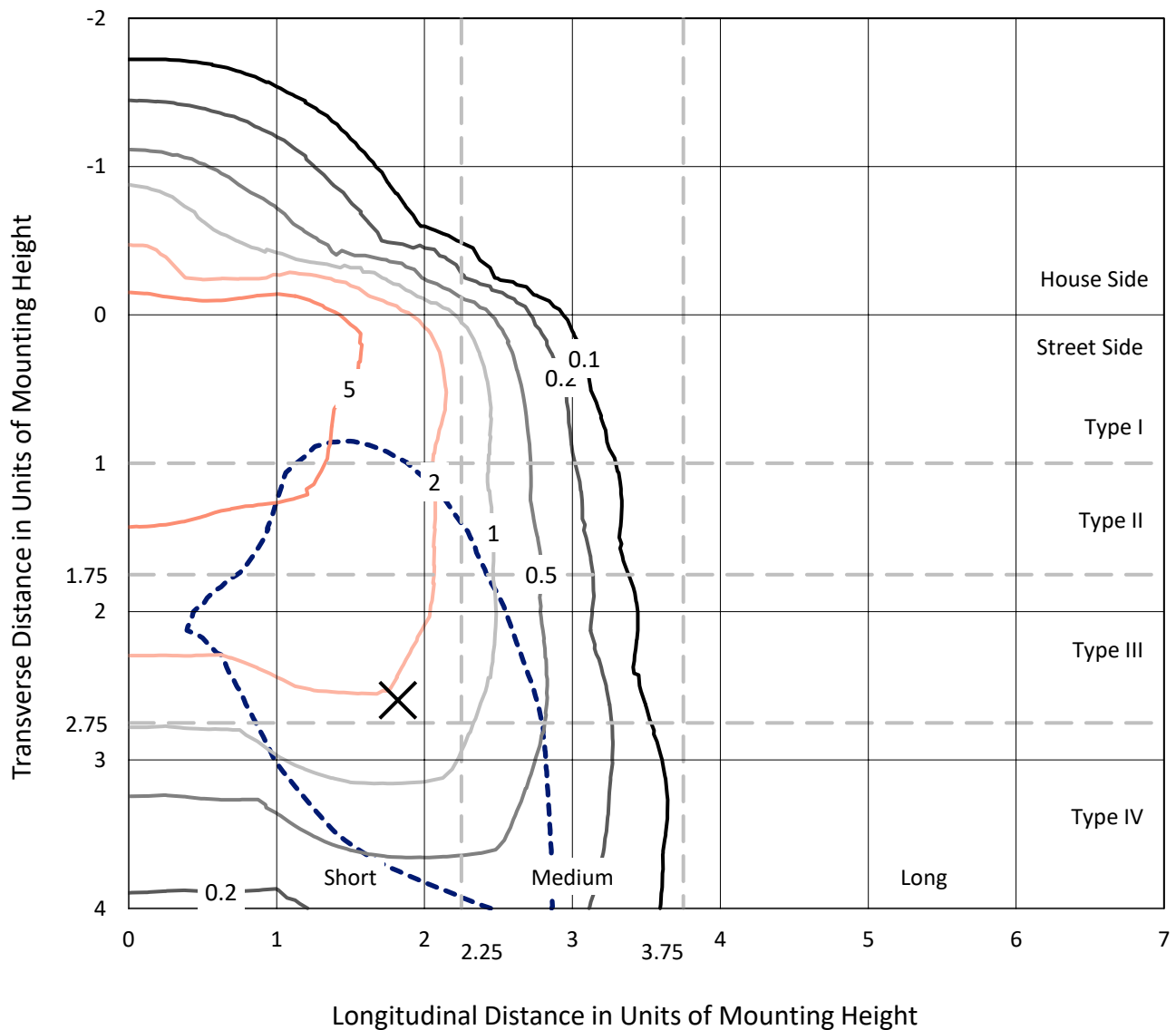
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

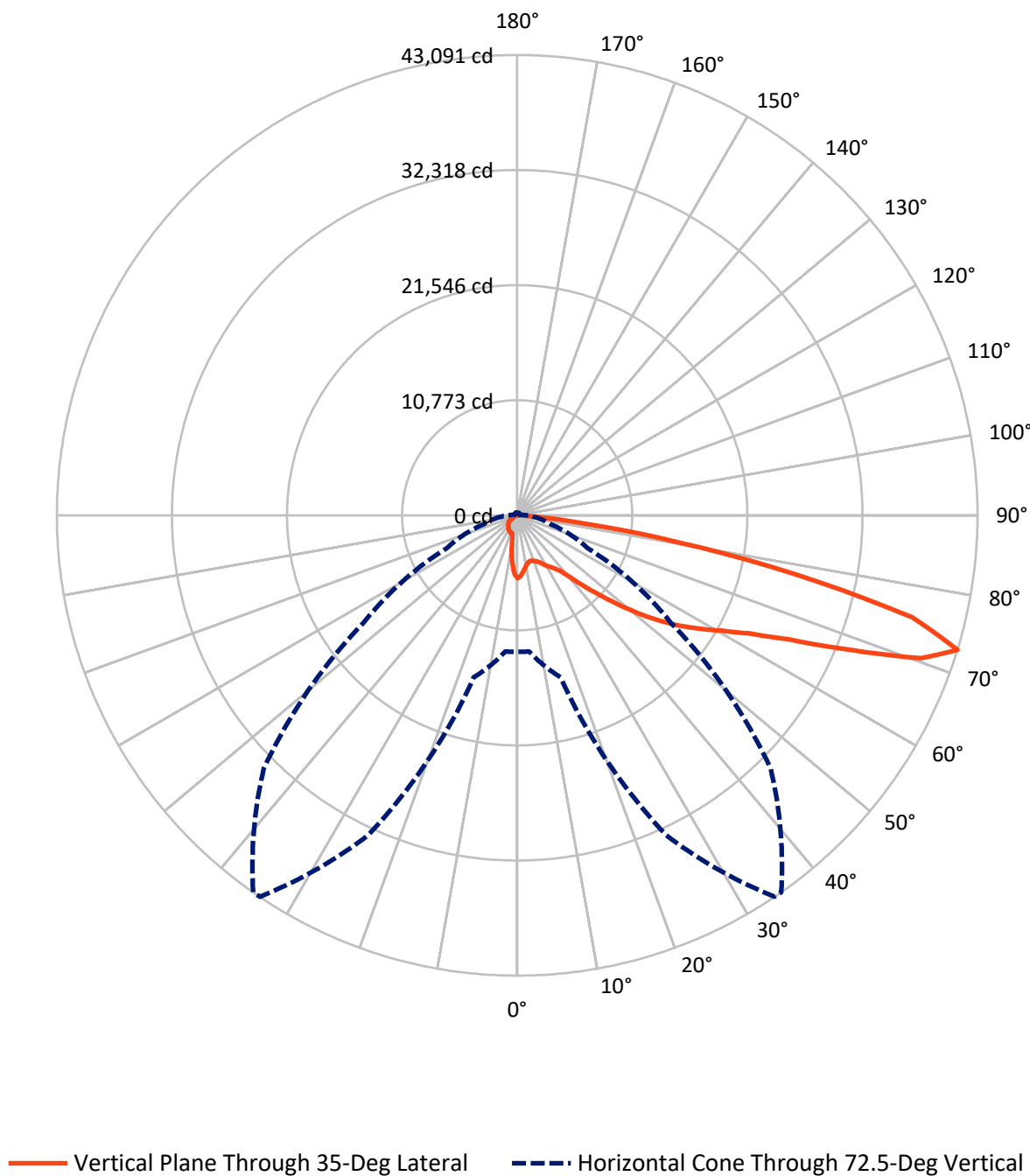
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4572.5	0.0	4572.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	36055.5	0.0	36055.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	40628.0	0.0	40628.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.9	1.2
10°-20°	1131.9	2.8
20°-30°	1838.8	4.5
30°-40°	3068.0	7.6
40°-50°	5804.8	14.3
50°-60°	9223.8	22.7
60°-70°	11410.5	28.1
70°-80°	7092.9	17.5
80°-90°	573.2	1.4
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°	40628.0	100.0
0°-180°	40628.0	100.0

Coefficient of Utilization



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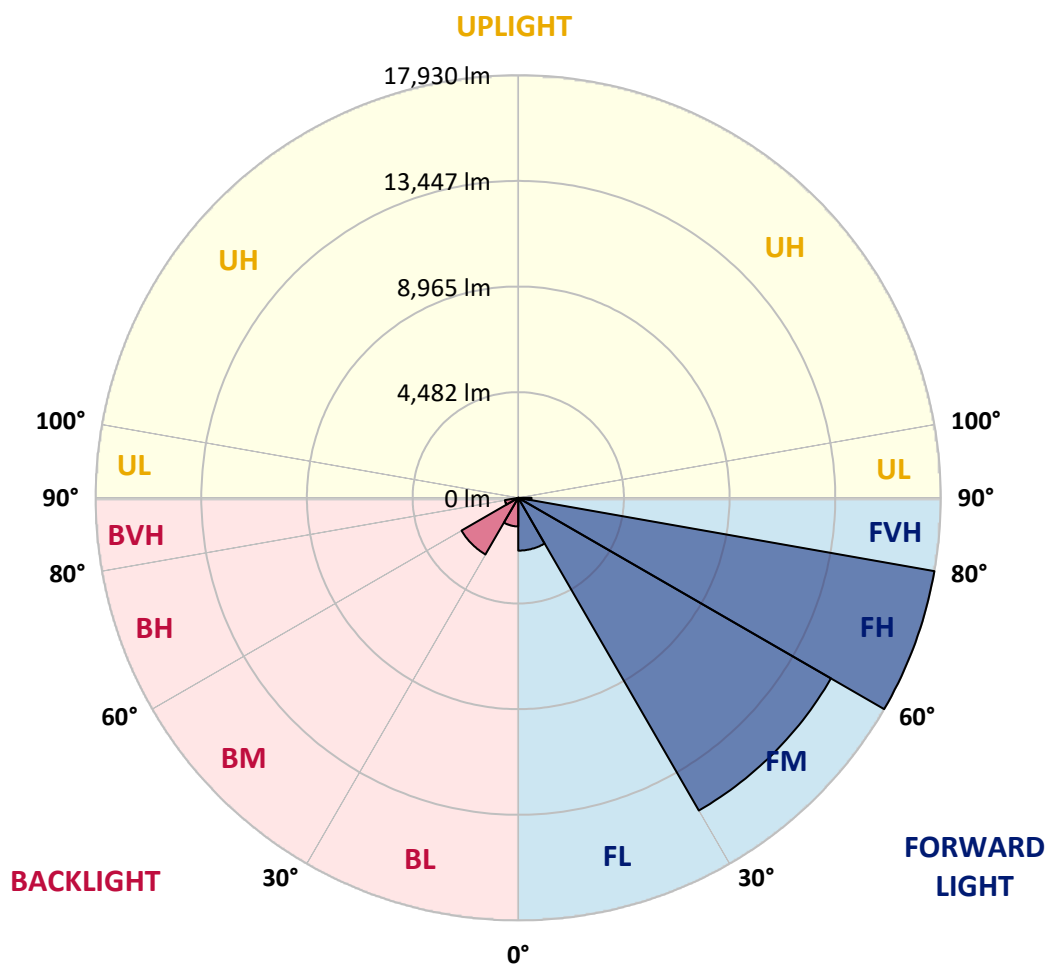
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2239.6	5.5			
FM	(30°-60°)	15320.8	37.7			
FH	(60°-80°)	17929.6	44.1			G5
FVH	(80°-90°)	565.4	1.4			G4/750
BL	(0°-30°)	1215.0	3.0	B3/2500		
BM	(30°-60°)	2775.9	6.8	B3/5000		
BH	(60°-80°)	573.8	1.4	B2/1000		G2/1000
BVH	(80°-90°)	7.8	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5888.4	5888.4	5888.4	5888.4	5888.4	5888.4	5888.4	5888.4	5888.4	5888.4
2.5°	5626.4	5674.0	5683.0	5697.8	5697.8	5715.7	5745.5	5787.1	5855.6	5891.3
5°	5185.8	5221.5	5266.2	5301.9	5370.4	5379.3	5495.4	5608.5	5766.3	5885.4
7.5°	4742.2	4783.9	4843.5	4929.8	5019.1	5045.9	5221.5	5412.1	5662.1	5885.4
10°	4429.7	4432.6	4486.2	4572.6	4715.5	4748.2	4962.5	5233.4	5546.0	5849.7
12.5°	4254.0	4274.9	4298.7	4364.2	4501.1	4522.0	4751.2	5069.7	5429.9	5828.8
15°	4254.0	4268.9	4283.8	4316.5	4426.7	4444.6	4647.0	4965.5	5370.4	5837.8
17.5°	4298.7	4322.5	4310.6	4349.3	4465.4	4477.3	4655.9	4935.7	5367.4	5894.3
20°	4405.9	4423.7	4399.9	4423.7	4539.8	4563.6	4748.2	4992.3	5418.0	5992.6
22.5°	4575.5	4584.5	4527.9	4545.8	4664.8	4694.6	4909.0	5153.1	5540.1	6150.3
25°	4789.9	4807.7	4721.4	4742.2	4855.4	4891.1	5138.2	5394.2	5733.6	6367.6
27.5°	5037.0	5045.9	4971.5	4968.5	5114.4	5165.0	5415.0	5691.9	5992.6	6641.5
30°	5319.8	5346.6	5275.1	5263.2	5447.8	5489.5	5736.5	6058.0	6373.6	7052.3
32.5°	5543.0	5563.9	5522.2	5552.0	5739.5	5772.3	6126.5	6576.0	6972.0	7635.8
35°	5864.5	5876.5	5781.2	5834.8	6049.1	6132.5	6659.4	7302.4	7725.1	8368.1
37.5°	7028.5	7028.5	6623.7	6358.7	6564.1	6638.5	7388.7	8216.3	8653.9	9350.5
40°	8639.0	8612.2	8019.8	7478.0	7451.2	7597.1	8427.7	9368.4	9853.6	10529.4
42.5°	10356.7	10315.0	9508.3	8972.5	8883.1	8933.8	9627.4	10788.4	11282.5	11967.2
45°	11880.9	11869.0	11130.7	10410.3	10249.6	10410.3	11124.8	12449.5	12803.8	13524.2
47.5°	13158.0	13158.0	12619.2	12148.8	12065.5	12160.7	13152.1	14292.2	14259.5	15182.3
50°	14628.6	14616.7	14104.7	13902.2	13988.6	14122.5	15486.0	16233.2	15765.8	16810.7
52.5°	15658.6	15730.1	15554.4	15521.7	15962.3	16194.5	17855.6	18132.5	17114.3	18355.7
55°	16474.3	16557.7	16760.1	16989.3	17837.7	18141.4	20150.8	19933.5	18242.6	19695.3
57.5°	17629.4	17510.3	17822.9	18275.3	19647.7	20013.9	22374.6	21633.3	19150.6	20781.9
60°	19031.5	19049.3	19102.9	19674.5	21454.7	21925.1	24565.6	23240.9	19734.0	21448.8
62.5°	20716.4	20743.2	20853.4	21731.6	23880.9	24324.5	26899.5	24556.7	20002.0	21261.2
65°	20600.3	20713.5	21942.9	24946.6	27569.3	28006.9	29623.4	25479.5	19597.1	19546.5
67.5°	18766.5	18951.1	21008.2	28786.9	33130.2	33618.4	32915.9	25661.1	17849.6	15200.2
70°	16361.2	16426.7	18900.5	32240.1	39569.3	40063.5	35863.0	23663.6	13545.0	8478.3
72.5°	12777.0	12791.9	15694.4	33040.9	43064.2	43091.0	33550.0	17566.8	7284.5	3256.8
75°	9127.3	9037.9	10511.5	26795.3	37887.3	38191.0	25152.0	8240.1	2783.4	1539.1
77.5°	4894.1	4992.3	5947.9	15890.8	26173.1	26691.1	13723.6	2375.6	1417.0	1047.9
80°	1512.3	1595.6	2438.1	7275.6	14825.1	15137.7	5087.6	1056.8	988.3	747.2
82.5°	476.3	494.2	1137.2	3057.3	6153.3	6296.2	1473.6	598.4	675.8	494.2
85°	136.9	139.9	506.1	1140.2	1521.2	1551.0	413.8	232.2	387.0	306.6
87.5°	14.9	47.6	190.5	190.5	134.0	131.0	44.7	50.6	110.1	38.7
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5888.4	0°	5888.4	5888.4	5888.4	5888.4	5888.4	5888.4	5888.4	5888.4	5888.4	5888.4
5915.2	2.5°	5900.3	5903.2	5864.5	5799.1	5727.6	5668.1	5593.6	5534.1	5492.4	5480.5
5968.7	5°	5941.9	5921.1	5811.0	5611.5	5373.4	5167.9	4938.7	4757.1	4638.1	4587.4
6025.3	7.5°	6004.5	5944.9	5703.8	5310.8	4855.4	4450.5	4039.7	3721.2	3518.7	3417.5
6078.9	10°	6058.0	5939.0	5525.2	4876.2	4179.6	3566.4	3012.6	2628.6	2414.3	2313.1
6141.4	12.5°	6108.7	5936.0	5293.0	4361.2	3417.5	2667.3	2152.3	1961.8	1902.3	1881.4
6242.6	15°	6203.9	5944.9	5001.2	3771.8	2658.4	2015.4	1827.8	1824.9	1836.8	1830.8
6397.4	17.5°	6334.9	5953.9	4670.8	3146.6	2051.1	1777.2	1768.3	1795.1	1812.9	1804.0
6590.9	20°	6504.6	5989.6	4319.5	2527.4	1762.3	1717.7	1738.5	1762.3	1777.2	1762.3
6849.9	22.5°	6742.7	6052.1	3935.5	2030.3	1670.1	1682.0	1699.8	1726.6	1741.5	1720.7
7180.3	25°	7034.5	6150.3	3557.4	1765.3	1625.4	1640.3	1667.1	1696.8	1714.7	1693.9
7597.1	27.5°	7412.5	6308.1	3209.1	1705.8	1580.7	1589.7	1628.4	1673.0	1696.8	1670.1
8189.5	30°	7960.3	6567.1	2908.5	1732.6	1554.0	1533.1	1586.7	1649.2	1676.0	1652.2
8996.3	32.5°	8686.7	6933.3	2723.9	1774.2	1542.0	1467.6	1518.2	1598.6	1643.3	1628.4
10050.1	35°	9639.3	7489.9	2652.4	1821.9	1533.1	1399.2	1434.9	1521.2	1598.6	1613.5
11377.8	37.5°	10794.3	8263.9	2673.3	1842.7	1506.3	1342.6	1360.5	1434.9	1536.1	1583.7
12872.2	40°	12107.2	9166.0	2792.4	1821.9	1476.6	1295.0	1297.9	1354.5	1443.8	1515.3
14479.8	42.5°	13461.7	10219.8	3012.6	1744.5	1449.8	1253.3	1244.4	1283.1	1342.6	1393.2
16084.3	45°	14750.7	11303.4	3230.0	1637.3	1417.0	1211.6	1190.8	1205.7	1217.6	1238.4
17647.2	47.5°	15875.9	12065.5	3167.4	1539.1	1372.4	1164.0	1128.3	1122.3	1086.6	1083.6
19043.4	50°	16652.9	12232.2	2813.2	1440.8	1306.9	1110.4	1053.8	1018.1	955.6	925.8
20088.3	52.5°	16900.0	11574.3	2298.2	1342.6	1199.7	1038.9	958.6	902.0	824.6	797.8
20689.6	55°	16572.5	10285.3	1836.8	1223.5	1050.9	943.7	854.4	780.0	717.4	684.7
20755.1	57.5°	15771.8	8645.0	1452.7	1083.6	893.1	836.5	747.2	672.8	619.2	586.5
20028.8	60°	14444.0	6864.8	1149.1	916.9	762.1	720.4	628.1	580.5	532.9	494.2
18153.3	62.5°	12428.7	4900.0	902.0	726.4	637.1	589.4	535.8	500.1	443.6	390.0
14780.4	65°	9698.8	2997.8	696.6	532.9	512.0	488.2	455.5	422.7	354.3	300.7
9642.3	67.5°	6117.6	1420.0	497.1	401.9	404.9	393.0	378.1	351.3	300.7	253.0
4319.5	70°	2694.1	687.7	327.5	306.6	300.7	300.7	312.6	303.6	256.0	211.4
1500.4	72.5°	916.9	369.1	244.1	232.2	217.3	214.3	262.0	253.0	205.4	163.7
747.2	75°	479.3	247.1	178.6	166.7	131.0	157.8	208.4	196.5	145.9	107.2
494.2	77.5°	312.6	175.6	122.1	107.2	74.4	104.2	154.8	136.9	86.3	53.6
324.5	80°	196.5	116.1	71.4	50.6	35.7	56.6	83.4	59.5	32.7	11.9
190.5	82.5°	104.2	59.5	26.8	17.9	14.9	17.9	20.8	14.9	6.0	0.0
98.2	85°	41.7	20.8	8.9	6.0	3.0	0.0	6.0	3.0	0.0	0.0
17.9	87.5°	14.9	3.0	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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180°
5888.4
5501.4
4605.3
3432.4
2316.0
1875.5
1827.8
1801.0
1759.4
1717.7
1690.9
1670.1
1649.2
1628.4
1613.5
1595.6
1539.1
1414.0
1250.3
1080.6
928.8
794.8
684.7
580.5
485.2
381.0
291.7
247.1
202.4
154.8
98.2
47.6
8.9
0.0
0.0
0.0
0.0