

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: P955437

Luminaire Tested: **GLAN-SB8B-927-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955437
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-SB8B-927-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA 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: 23631 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 292.8
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

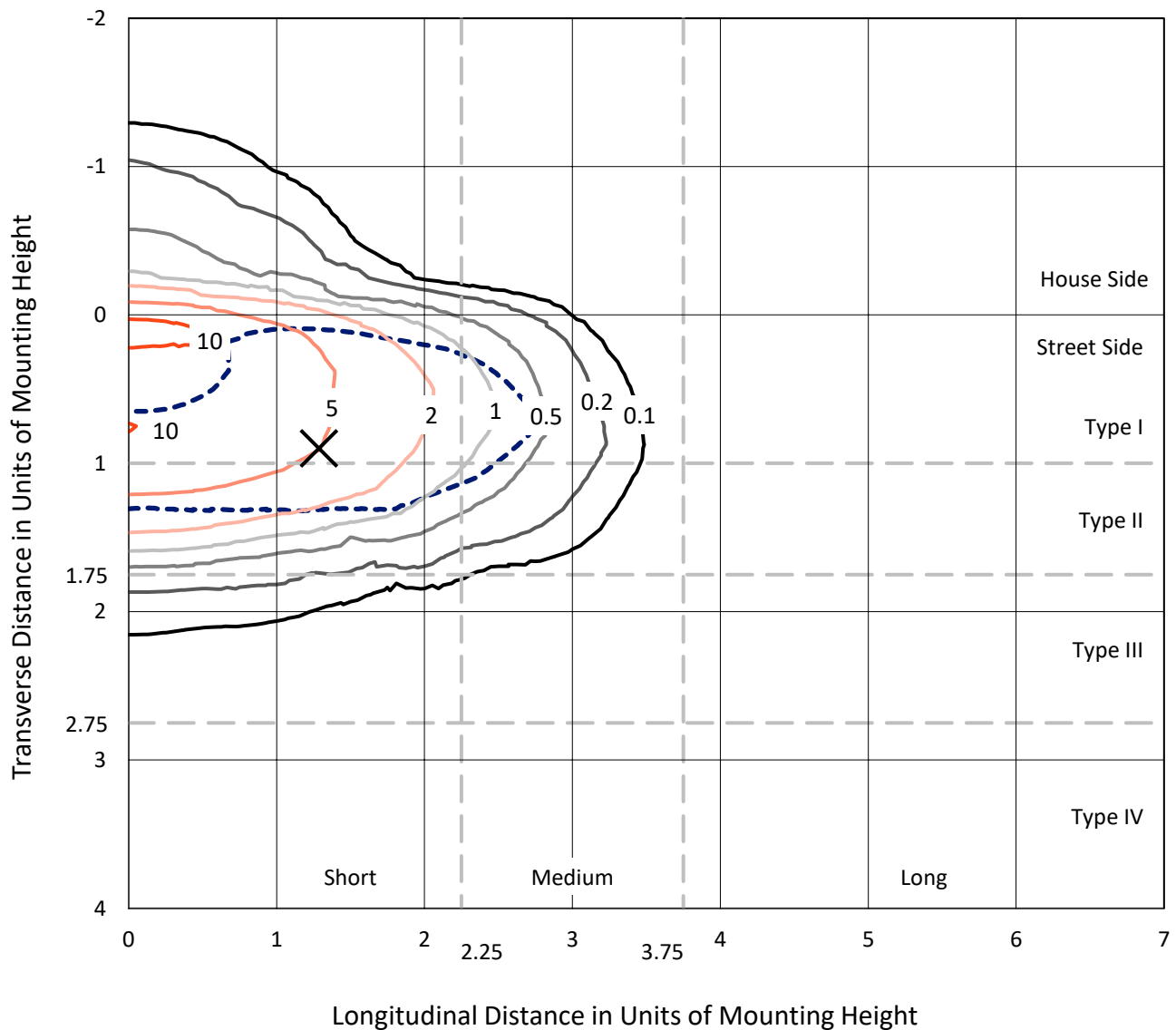


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Iso-Footcandle Lines of Horizontal Illumination

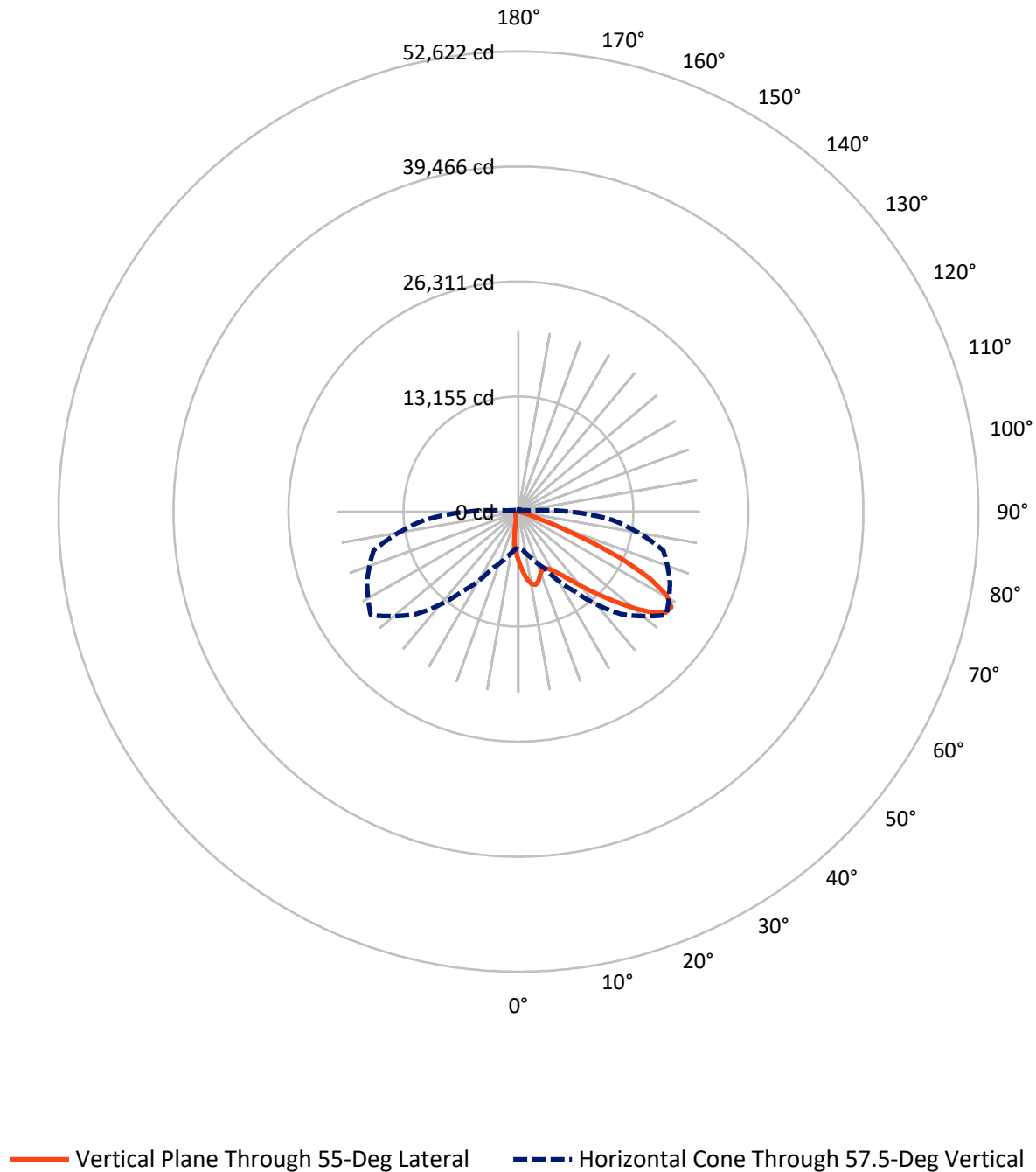
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1845.5	0.0	1845.5
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	21785.5	0.0	21785.5
	% Fixture	92.2	0.0	92.2
Total	Lumens	23631.0	0.0	23631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.8	2.2
10°-20°	1279.8	5.4
20°-30°	2047.7	8.7
30°-40°	3465.9	14.7
40°-50°	5690.2	24.1
50°-60°	6254.0	26.5
60°-70°	3587.3	15.2
70°-80°	733.0	3.1
80°-90°	43.2	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°	23631.0	100.0
0°-180°	23631.0	100.0

Coefficient of Utilization



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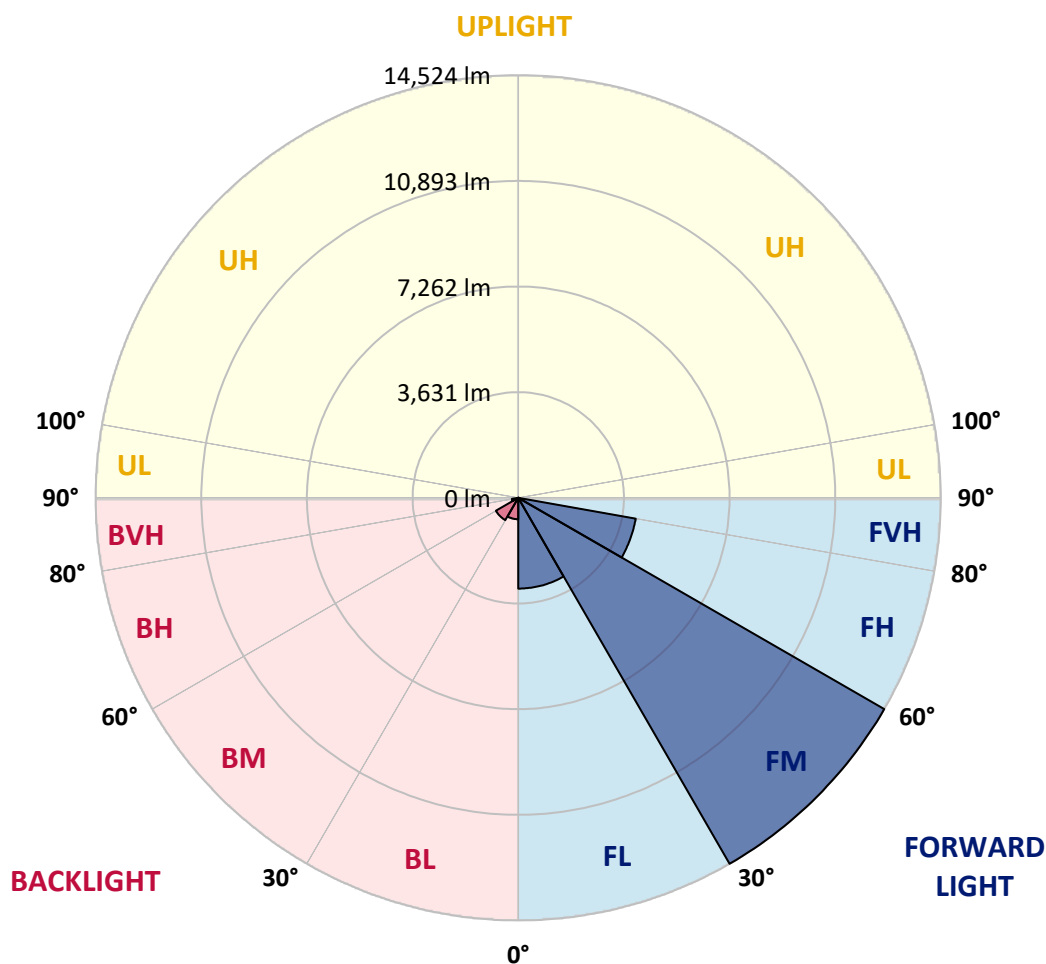
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3120.6	13.2			
FM	(30°-60°)	14523.8	61.5			
FH	(60°-80°)	4100.8	17.4			G2/5000
FVH	(80°-90°)	40.3	0.2			G1/100
BL	(0°-30°)	736.8	3.1	B2/1000		
BM	(30°-60°)	886.3	3.8	B1/1000		
BH	(60°-80°)	219.5	0.9	B1/500		G1/500
BVH	(80°-90°)	2.9	0.0			G0/10
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°	5694.5	5694.5	5694.5	5694.5	5694.5	5694.5	5694.5	5694.5	5694.5	5694.5
2.5°	7065.7	6976.8	6963.7	6946.2	6777.1	6650.4	6466.8	6265.7	6039.8	5809.6
5°	8162.9	8092.9	8079.8	7998.2	7805.9	7590.2	7263.8	6851.5	6430.3	5934.9
7.5°	8375.6	8362.5	8422.2	8419.3	8393.1	8222.6	7947.2	7456.2	6823.8	6089.4
10°	7427.0	7460.5	7638.3	7794.2	8215.3	8460.1	8400.4	7995.3	7228.9	6265.7
12.5°	6562.9	6523.6	6650.4	6826.7	7316.3	8044.8	8588.4	8445.6	7692.2	6465.3
15°	6020.9	6004.9	6076.3	6157.9	6530.9	7265.3	8369.8	8811.3	8138.1	6701.4
17.5°	5847.5	5834.4	5856.2	5876.6	6118.5	6686.8	7849.6	9035.7	8565.0	6970.9
20°	5988.8	5971.3	5968.4	5952.4	6052.9	6440.5	7378.9	9051.7	8948.3	7215.7
22.5°	6401.2	6380.8	6309.4	6245.3	6254.0	6474.1	7169.1	8891.4	9236.8	7444.5
25°	7148.7	7115.2	6966.6	6750.9	6613.9	6707.2	7201.2	8680.2	9512.2	7623.7
27.5°	8084.2	8040.5	7849.6	7529.0	7215.7	7102.1	7432.9	8534.4	9741.0	7760.7
30°	9000.7	8943.9	8755.9	8506.8	8049.2	7690.8	7851.1	8598.6	10013.4	7903.5
32.5°	9990.1	9936.2	9687.0	9378.1	8999.3	8517.0	8423.7	8911.8	10347.1	8103.1
35°	11241.8	11157.3	10803.2	10382.1	9979.9	9491.8	9198.9	9452.4	10791.6	8407.7
37.5°	12666.9	12553.2	12171.5	11590.1	11065.5	10519.1	10143.1	10195.6	11442.9	8815.7
40°	14010.4	13906.9	13554.3	13006.4	12347.8	11684.8	11284.1	11167.5	12341.9	9312.6
42.5°	14816.2	14722.9	14574.3	14342.6	13787.4	13111.3	12605.7	12353.6	13405.7	9907.1
45°	14861.3	14779.7	14979.4	15248.9	15139.6	14689.4	14073.0	13611.1	14473.7	10465.2
47.5°	14138.6	14083.2	14689.4	15630.7	16099.9	16289.3	15721.0	14763.7	15355.3	10865.9
50°	12168.5	12148.1	13395.5	15123.6	16465.6	17691.1	17459.4	15836.2	16038.7	11072.8
52.5°	10551.1	10476.8	11203.9	13500.4	15933.8	18428.4	19158.4	16888.2	16516.6	11112.1
55°	8002.6	7937.0	8849.2	10784.3	14218.7	18166.1	20401.4	17973.8	16859.1	11011.6
57.5°	4292.7	4251.9	5404.5	7177.9	11115.0	16592.4	20625.8	19122.0	17147.6	10744.9
60°	1671.3	1664.0	2095.4	3482.6	6755.3	13498.9	19493.6	19811.2	17328.3	10417.1
62.5°	1011.3	1033.1	1103.1	1563.5	2984.2	8385.8	16883.8	19027.3	17449.2	10116.9
65°	836.4	837.9	846.6	1073.9	1429.5	3508.8	12710.6	16448.2	17150.5	9582.1
67.5°	716.9	730.0	763.5	852.4	1008.3	1538.7	7317.7	12741.2	15333.4	8337.7
70°	565.4	582.9	625.1	700.9	778.1	963.2	2704.4	8477.6	11713.9	6284.6
72.5°	476.5	475.0	496.9	569.7	617.8	677.6	1040.4	4750.3	6807.7	3000.2
75°	368.7	383.2	410.9	476.5	505.6	491.1	563.9	1735.4	2439.2	909.3
77.5°	288.5	300.2	324.9	389.1	418.2	348.3	324.9	620.7	783.9	326.4
80°	129.7	139.9	221.5	287.1	341.0	240.4	176.3	317.7	348.3	148.6
82.5°	23.3	39.3	129.7	151.5	174.9	155.9	91.8	164.7	170.5	59.7
85°	1.5	2.9	45.2	55.4	69.9	51.0	27.7	65.6	56.8	20.4
87.5°	0.0	0.0	0.0	1.5	1.5	7.3	8.7	11.7	8.7	7.3
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°
5694.5	0°	5694.5	5694.5	5694.5	5694.5	5694.5	5694.5	5694.5	5694.5	5694.5	5694.5
5707.6	2.5°	5602.7	5395.8	5194.7	5030.0	4933.9	4770.7	4662.8	4645.4	4600.2	4639.5
5722.2	5°	5494.9	5124.7	4750.3	4415.1	4139.7	3784.2	3519.0	3406.8	3309.2	3342.7
5760.1	7.5°	5443.9	4859.5	4276.7	3704.0	3115.4	2547.1	2124.5	1948.2	1814.1	1833.1
5802.3	10°	5375.4	4584.2	3670.5	2796.2	2007.9	1446.9	1155.5	1047.7	987.9	989.4
5865.0	12.5°	5322.9	4254.8	2966.7	1895.7	1222.5	923.8	833.5	807.3	789.8	791.2
5959.7	15°	5296.7	3867.2	2271.7	1263.3	874.3	782.5	760.6	749.0	737.3	735.9
6064.6	17.5°	5253.0	3435.9	1662.6	922.4	765.0	732.9	714.0	700.9	686.3	683.4
6154.9	20°	5187.4	2946.3	1215.3	779.6	716.9	692.1	665.9	648.4	630.9	628.0
6211.8	22.5°	5066.5	2429.0	934.0	721.3	681.9	654.3	622.2	601.8	584.3	581.4
6184.1	25°	4842.1	1943.8	786.9	684.9	651.3	617.8	582.9	555.2	539.1	536.2
6124.3	27.5°	4557.9	1527.1	714.0	651.3	612.0	581.4	542.1	515.8	501.3	498.3
6045.7	30°	4222.8	1175.9	671.7	613.5	565.4	539.1	504.2	482.3	473.6	473.6
5990.3	32.5°	3861.4	939.9	654.3	575.6	524.6	495.4	467.7	459.0	456.1	454.6
6020.9	35°	3521.9	816.0	645.5	545.0	488.1	460.5	448.8	450.3	456.1	456.1
6115.6	37.5°	3220.3	776.7	641.1	523.1	456.1	431.3	438.6	451.7	445.9	445.9
6281.7	40°	2947.8	781.0	638.2	507.1	429.9	415.3	429.9	419.7	405.1	403.6
6484.3	42.5°	2739.4	817.5	632.4	494.0	413.8	403.6	397.8	381.8	380.3	383.2
6694.1	45°	2587.9	849.5	630.9	488.1	396.3	377.4	370.1	354.1	383.2	390.5
6780.1	47.5°	2408.6	849.5	630.9	467.7	367.2	359.9	348.3	330.8	359.9	367.2
6698.5	50°	2177.0	795.6	606.2	444.4	343.9	339.5	319.1	297.3	291.4	295.8
6507.6	52.5°	1884.1	698.0	543.5	412.4	320.6	311.8	287.1	271.0	266.7	266.7
6165.1	55°	1550.4	584.3	459.0	365.7	295.8	279.8	262.3	255.0	250.6	247.7
5685.7	57.5°	1260.4	479.4	368.7	324.9	272.5	252.1	246.3	237.5	230.2	225.9
5285.0	60°	1034.6	377.4	304.5	288.5	249.2	230.2	228.8	217.1	198.2	195.3
4954.3	62.5°	798.5	276.9	256.5	250.6	225.9	209.8	206.9	183.6	154.5	148.6
4485.1	65°	563.9	215.7	206.9	220.0	201.1	186.5	179.2	144.3	113.7	109.3
3753.6	67.5°	396.3	180.7	163.2	192.3	174.9	155.9	151.5	122.4	94.7	91.8
2838.5	70°	282.7	147.2	134.1	164.7	139.9	137.0	128.2	102.0	77.2	74.3
1404.7	72.5°	199.6	112.2	103.5	142.8	96.2	118.0	104.9	78.7	58.3	55.4
477.9	75°	147.2	80.1	72.9	83.1	69.9	88.9	74.3	52.5	36.4	35.0
215.7	77.5°	107.8	51.0	43.7	40.8	40.8	55.4	40.8	21.9	16.0	14.6
109.3	80°	75.8	23.3	20.4	17.5	16.0	13.1	5.8	2.9	1.5	1.5
37.9	82.5°	45.2	10.2	10.2	7.3	4.4	0.0	0.0	0.0	0.0	0.0
14.6	85°	10.2	4.4	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
5.8	87.5°	1.5	1.5	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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