

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: P852542

Luminaire Tested: **GLAN-SB4C-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 615mA 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: 18816 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

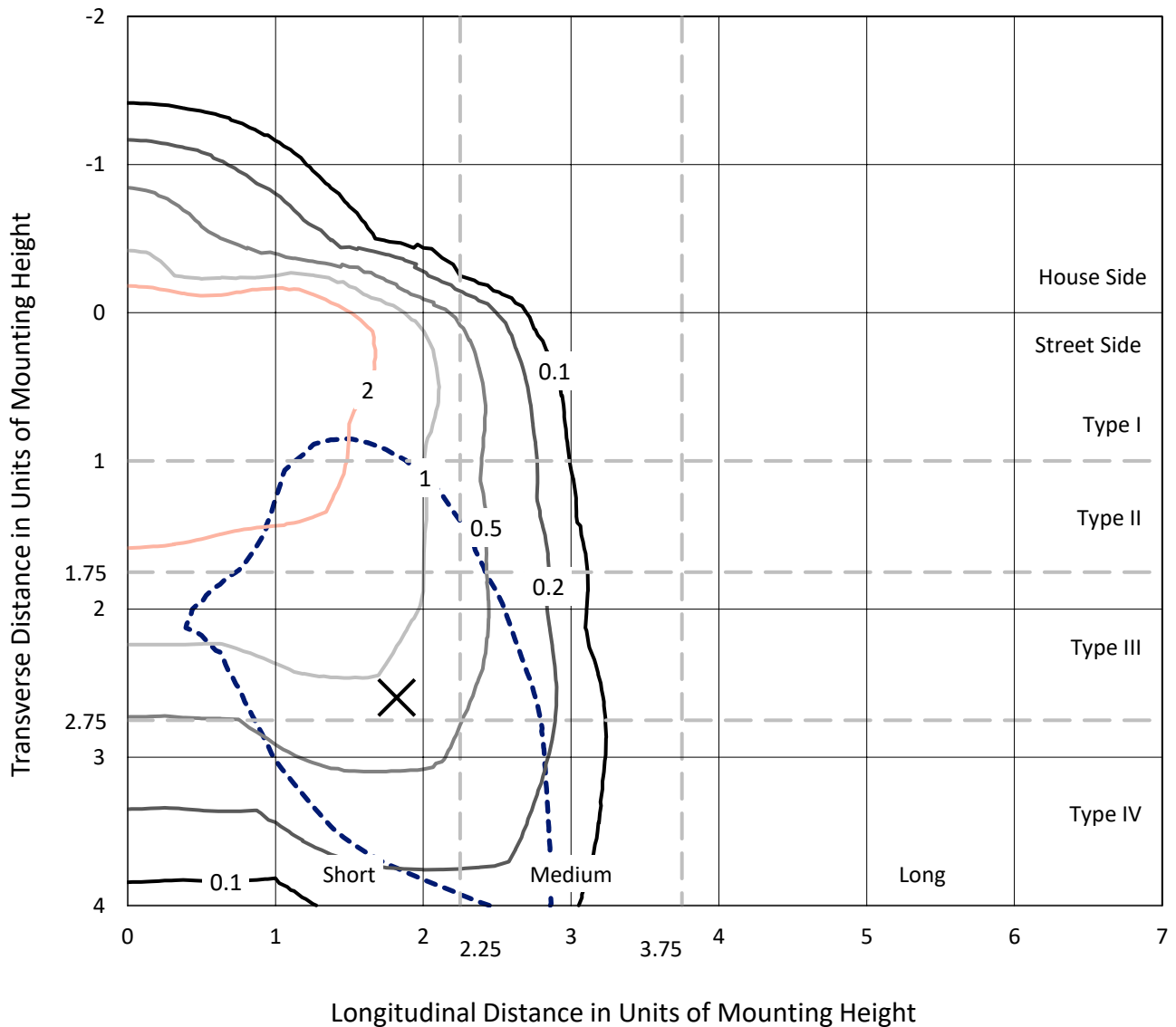
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

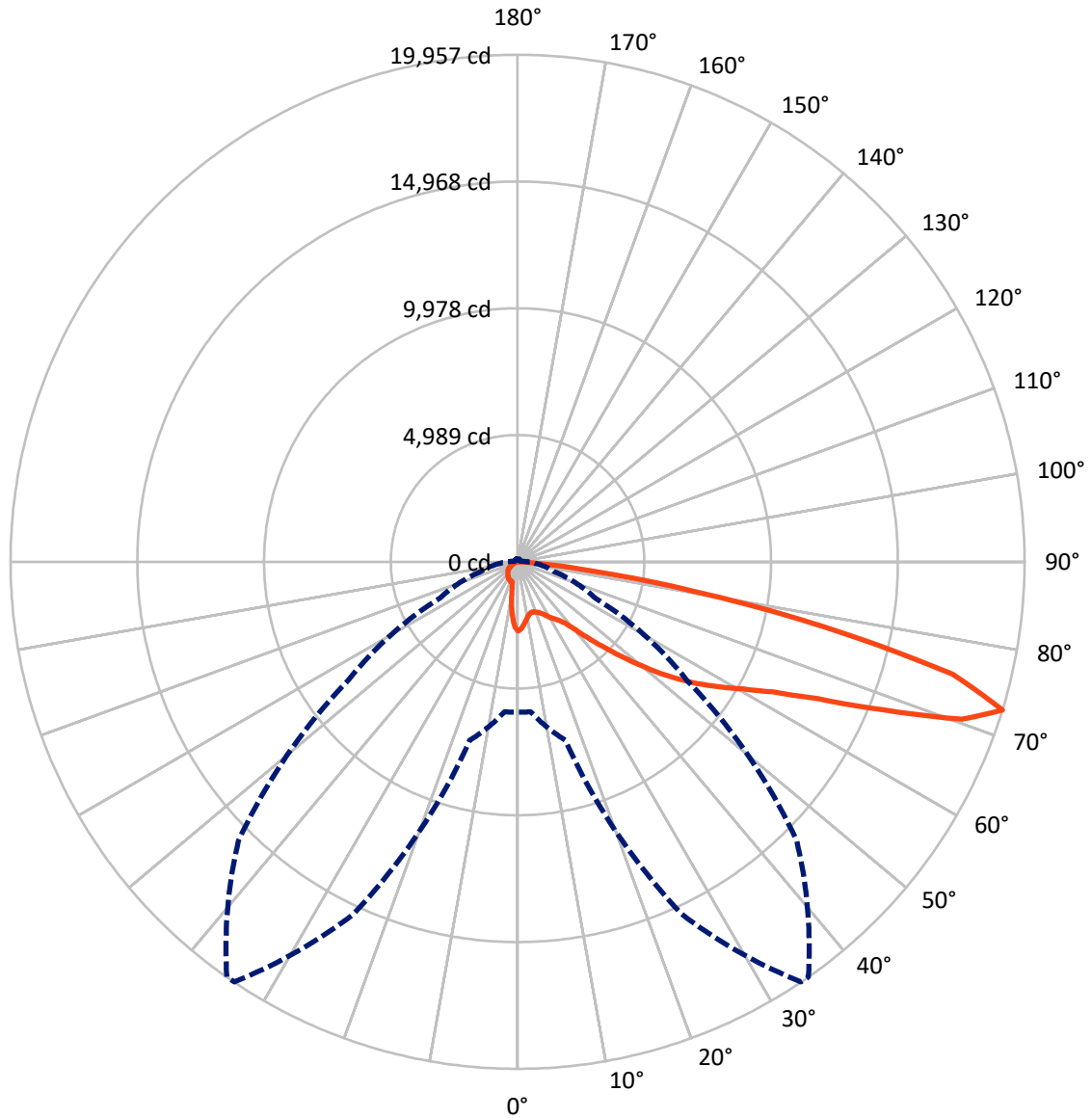
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2117.7	0.0	2117.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16698.3	0.0	16698.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	18816.0	0.0	18816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.1	1.2
10°-20°	524.2	2.8
20°-30°	851.6	4.5
30°-40°	1420.9	7.6
40°-50°	2688.4	14.3
50°-60°	4271.8	22.7
60°-70°	5284.5	28.1
70°-80°	3284.9	17.5
80°-90°	265.5	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°	18816.0	100.0
0°-180°	18816.0	100.0

Coefficient of Utilization



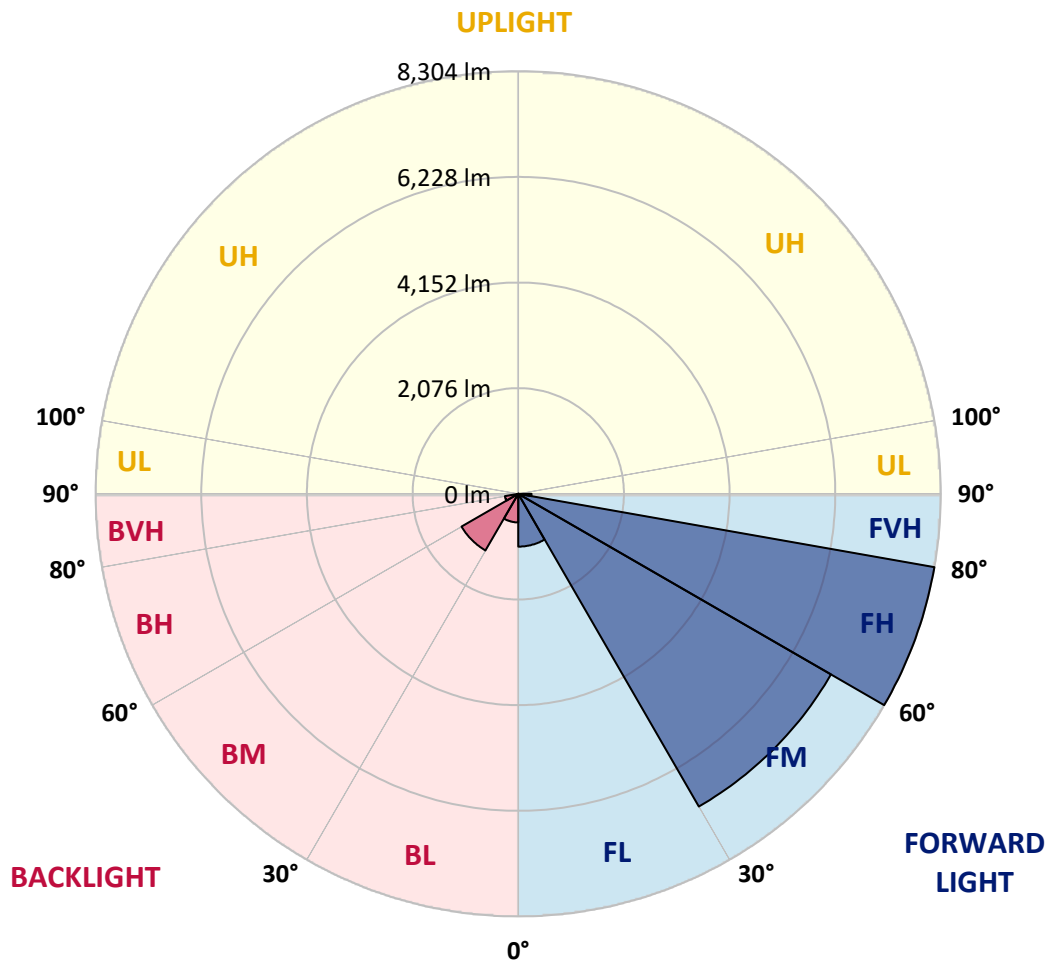
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1037.2	5.5			
FM (30°-60°)	7095.5	37.7			
FH (60°-80°)	8303.7	44.1			G4/12000
FVH (80°-90°)	261.9	1.4			G3/500
BL (0°-30°)	562.7	3.0	B2/1000		
BM (30°-60°)	1285.6	6.8	B2/2500		
BH (60°-80°)	265.7	1.4	B1/500		G1/500
BVH (80°-90°)	3.6	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2727.1	2727.1	2727.1	2727.1	2727.1	2727.1	2727.1	2727.1	2727.1	2727.1
2.5°	2605.7	2627.8	2631.9	2638.8	2638.8	2647.1	2660.9	2680.2	2711.9	2728.4
5°	2401.7	2418.2	2438.9	2455.5	2487.2	2491.3	2545.1	2597.5	2670.5	2725.7
7.5°	2196.3	2215.6	2243.1	2283.1	2324.5	2336.9	2418.2	2506.5	2622.3	2725.7
10°	2051.5	2052.9	2077.7	2117.7	2183.9	2199.0	2298.3	2423.8	2568.5	2709.1
12.5°	1970.2	1979.8	1990.8	2021.2	2084.6	2094.2	2200.4	2347.9	2514.7	2699.5
15°	1970.2	1977.1	1983.9	1999.1	2050.1	2058.4	2152.2	2299.7	2487.2	2703.6
17.5°	1990.8	2001.9	1996.4	2014.3	2068.1	2073.6	2156.3	2285.9	2485.8	2729.8
20°	2040.5	2048.7	2037.7	2048.7	2102.5	2113.5	2199.0	2312.1	2509.2	2775.3
22.5°	2119.1	2123.2	2097.0	2105.3	2160.4	2174.2	2273.5	2386.5	2565.8	2848.4
25°	2218.3	2226.6	2186.6	2196.3	2248.7	2265.2	2379.6	2498.2	2655.4	2949.0
27.5°	2332.8	2336.9	2302.4	2301.1	2368.6	2392.0	2507.9	2636.1	2775.3	3075.9
30°	2463.7	2476.1	2443.1	2437.5	2523.0	2542.3	2656.8	2805.7	2951.8	3266.1
32.5°	2567.1	2576.8	2557.5	2571.3	2658.1	2673.3	2837.4	3045.5	3228.9	3536.4
35°	2716.0	2721.6	2677.4	2702.3	2801.5	2840.1	3084.2	3382.0	3577.7	3875.5
37.5°	3255.1	3255.1	3067.6	2944.9	3040.0	3074.5	3421.9	3805.2	4007.9	4330.5
40°	4001.0	3988.6	3714.2	3463.3	3450.9	3518.4	3903.1	4338.8	4563.5	4876.5
42.5°	4796.5	4777.2	4403.6	4155.4	4114.0	4137.5	4458.7	4996.4	5225.3	5542.4
45°	5502.4	5496.9	5155.0	4821.3	4746.9	4821.3	5152.2	5765.7	5929.8	6263.4
47.5°	6093.9	6093.9	5844.3	5626.5	5587.9	5632.0	6091.1	6619.1	6604.0	7031.4
50°	6774.9	6769.4	6532.3	6438.5	6478.5	6540.6	7172.0	7518.1	7301.6	7785.5
52.5°	7252.0	7285.1	7203.7	7188.5	7392.6	7500.1	8269.4	8397.7	7926.1	8501.1
55°	7629.7	7668.3	7762.1	7868.2	8261.2	8401.8	9332.4	9231.8	8448.7	9121.5
57.5°	8164.7	8109.5	8254.3	8463.8	9099.4	9269.0	10362.3	10019.0	8869.2	9624.7
60°	8814.0	8822.3	8847.1	9111.8	9936.3	10154.1	11377.0	10763.5	9139.4	9933.5
62.5°	9594.4	9606.8	9657.8	10064.5	11059.9	11265.4	12457.9	11372.9	9263.5	9846.7
65°	9540.6	9593.0	10162.4	11553.5	12768.1	12970.8	13719.4	11800.3	9076.0	9052.5
67.5°	8691.3	8776.8	9729.5	13332.0	15343.6	15569.7	15244.3	11884.4	8266.7	7039.6
70°	7577.3	7607.7	8753.4	14931.3	18325.7	18554.5	16609.2	10959.3	6273.1	3926.5
72.5°	5917.4	5924.3	7268.5	15302.2	19944.3	19956.7	15538.0	8135.7	3373.7	1508.3
75°	4227.1	4185.7	4868.2	12409.7	17546.7	17687.3	11648.6	3816.2	1289.1	712.8
77.5°	2266.6	2312.1	2754.6	7359.5	12121.5	12361.4	6355.8	1100.2	656.3	485.3
80°	700.4	739.0	1129.2	3369.5	6865.9	7010.7	2356.2	489.4	457.7	346.1
82.5°	220.6	228.9	526.7	1415.9	2849.8	2916.0	682.5	277.1	313.0	228.9
85°	63.4	64.8	234.4	528.0	704.5	718.3	191.6	107.5	179.2	142.0
87.5°	6.9	22.1	88.2	88.2	62.0	60.7	20.7	23.4	51.0	17.9
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°
2727.1	0°	2727.1	2727.1	2727.1	2727.1	2727.1	2727.1	2727.1	2727.1	2727.1	2727.1
2739.5	2.5°	2732.6	2734.0	2716.0	2685.7	2652.6	2625.0	2590.6	2563.0	2543.7	2538.2
2764.3	5°	2751.9	2742.2	2691.2	2598.9	2488.6	2393.4	2287.3	2203.2	2148.0	2124.6
2790.5	7.5°	2780.8	2753.3	2641.6	2459.6	2248.7	2061.2	1870.9	1723.4	1629.6	1582.7
2815.3	10°	2805.7	2750.5	2558.9	2258.3	1935.7	1651.7	1395.2	1217.4	1118.1	1071.3
2844.3	12.5°	2829.1	2749.1	2451.3	2019.8	1582.7	1235.3	996.8	908.6	881.0	871.3
2891.1	15°	2873.2	2753.3	2316.2	1746.8	1231.2	933.4	846.5	845.1	850.7	847.9
2962.8	17.5°	2933.9	2757.4	2163.2	1457.3	949.9	823.1	818.9	831.4	839.6	835.5
3052.4	20°	3012.5	2773.9	2000.5	1170.5	816.2	795.5	805.2	816.2	823.1	816.2
3172.4	22.5°	3122.8	2802.9	1822.6	940.3	773.5	779.0	787.2	799.6	806.5	796.9
3325.4	25°	3257.9	2848.4	1647.5	817.6	752.8	759.7	772.1	785.9	794.1	784.5
3518.4	27.5°	3433.0	2921.5	1486.2	790.0	732.1	736.2	754.1	774.8	785.9	773.5
3792.8	30°	3686.6	3041.4	1347.0	802.4	719.7	710.0	734.8	763.8	776.2	765.2
4166.4	32.5°	4023.0	3211.0	1261.5	821.7	714.2	679.7	703.1	740.4	761.0	754.1
4654.5	35°	4464.2	3468.8	1228.4	843.8	710.0	648.0	664.5	704.5	740.4	747.3
5269.4	37.5°	4999.2	3827.3	1238.1	853.4	697.6	621.8	630.1	664.5	711.4	733.5
5961.5	40°	5607.2	4245.0	1293.2	843.8	683.8	599.7	601.1	627.3	668.7	701.8
6706.0	42.5°	6234.5	4733.1	1395.2	807.9	671.4	580.4	576.3	594.2	621.8	645.2
7449.1	45°	6831.5	5234.9	1495.9	758.3	656.3	561.1	551.5	558.4	563.9	573.5
8172.9	47.5°	7352.6	5587.9	1466.9	712.8	635.6	539.1	522.5	519.8	503.2	501.8
8819.5	50°	7712.4	5665.1	1302.9	667.3	605.2	514.3	488.1	471.5	442.6	428.8
9303.5	52.5°	7826.9	5360.4	1064.4	621.8	555.6	481.2	443.9	417.7	381.9	369.5
9582.0	55°	7675.2	4763.4	850.7	566.6	486.7	437.0	395.7	361.2	332.3	317.1
9612.3	57.5°	7304.4	4003.7	672.8	501.8	413.6	387.4	346.1	311.6	286.8	271.6
9275.9	60°	6689.5	3179.3	532.2	424.6	352.9	333.6	290.9	268.8	246.8	228.9
8407.3	62.5°	5756.1	2269.3	417.7	336.4	295.0	273.0	248.2	231.6	205.4	180.6
6845.2	65°	4491.8	1388.4	322.6	246.8	237.1	226.1	210.9	195.8	164.1	139.2
4465.6	67.5°	2833.2	657.6	230.2	186.1	187.5	182.0	175.1	162.7	139.2	117.2
2000.5	70°	1247.7	318.5	151.7	142.0	139.2	139.2	144.8	140.6	118.6	97.9
694.9	72.5°	424.6	171.0	113.1	107.5	100.6	99.3	121.3	117.2	95.1	75.8
346.1	75°	222.0	114.4	82.7	77.2	60.7	73.1	96.5	91.0	67.6	49.6
228.9	77.5°	144.8	81.3	56.5	49.6	34.5	48.3	71.7	63.4	40.0	24.8
150.3	80°	91.0	53.8	33.1	23.4	16.5	26.2	38.6	27.6	15.2	5.5
88.2	82.5°	48.3	27.6	12.4	8.3	6.9	8.3	9.7	6.9	2.8	0.0
45.5	85°	19.3	9.7	4.1	2.8	1.4	0.0	2.8	1.4	0.0	0.0
8.3	87.5°	6.9	1.4	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°
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2727.1
2547.8
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