

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: P848508

Luminaire Tested: **GLAN-SB5A-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18774 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

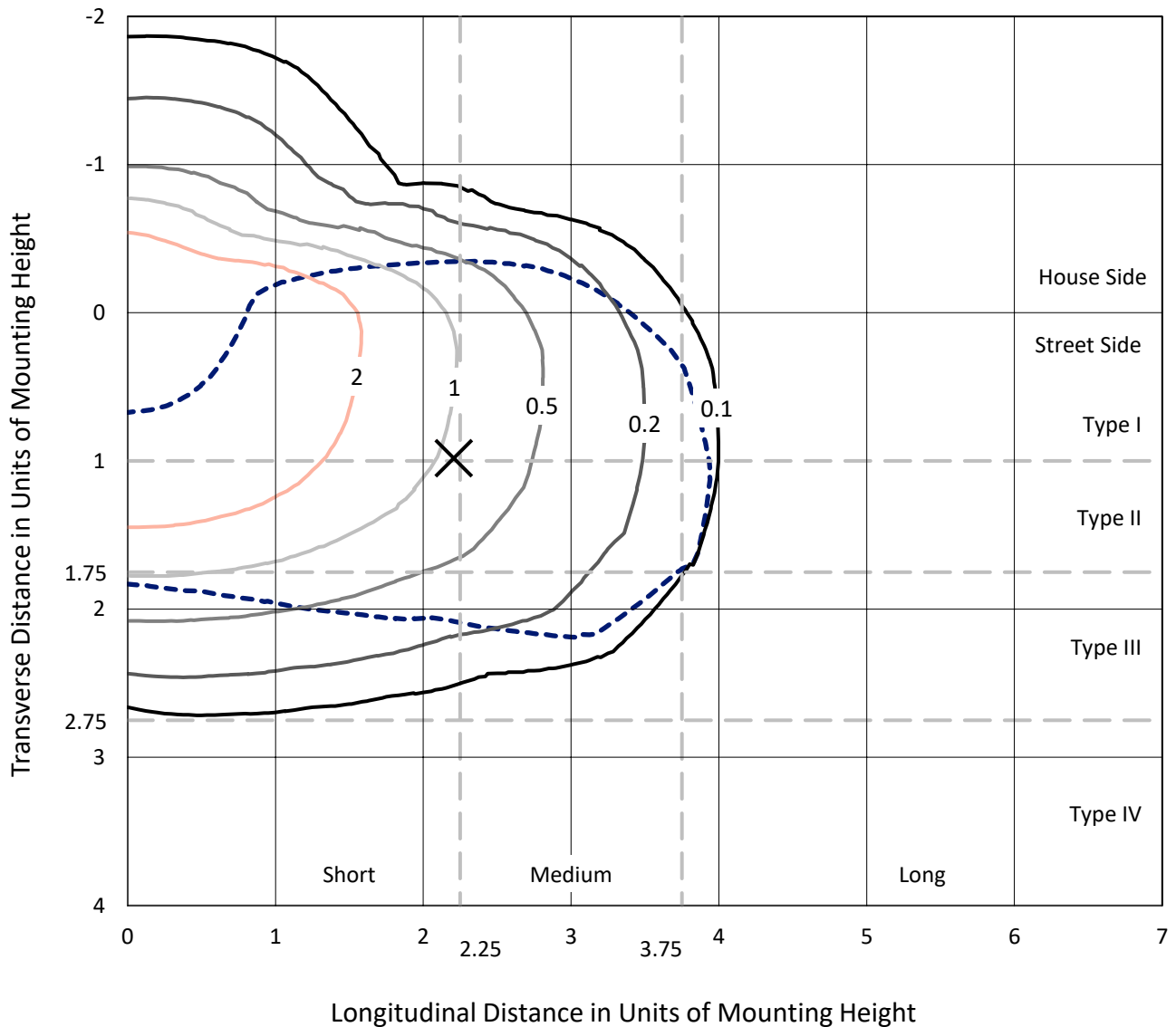
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

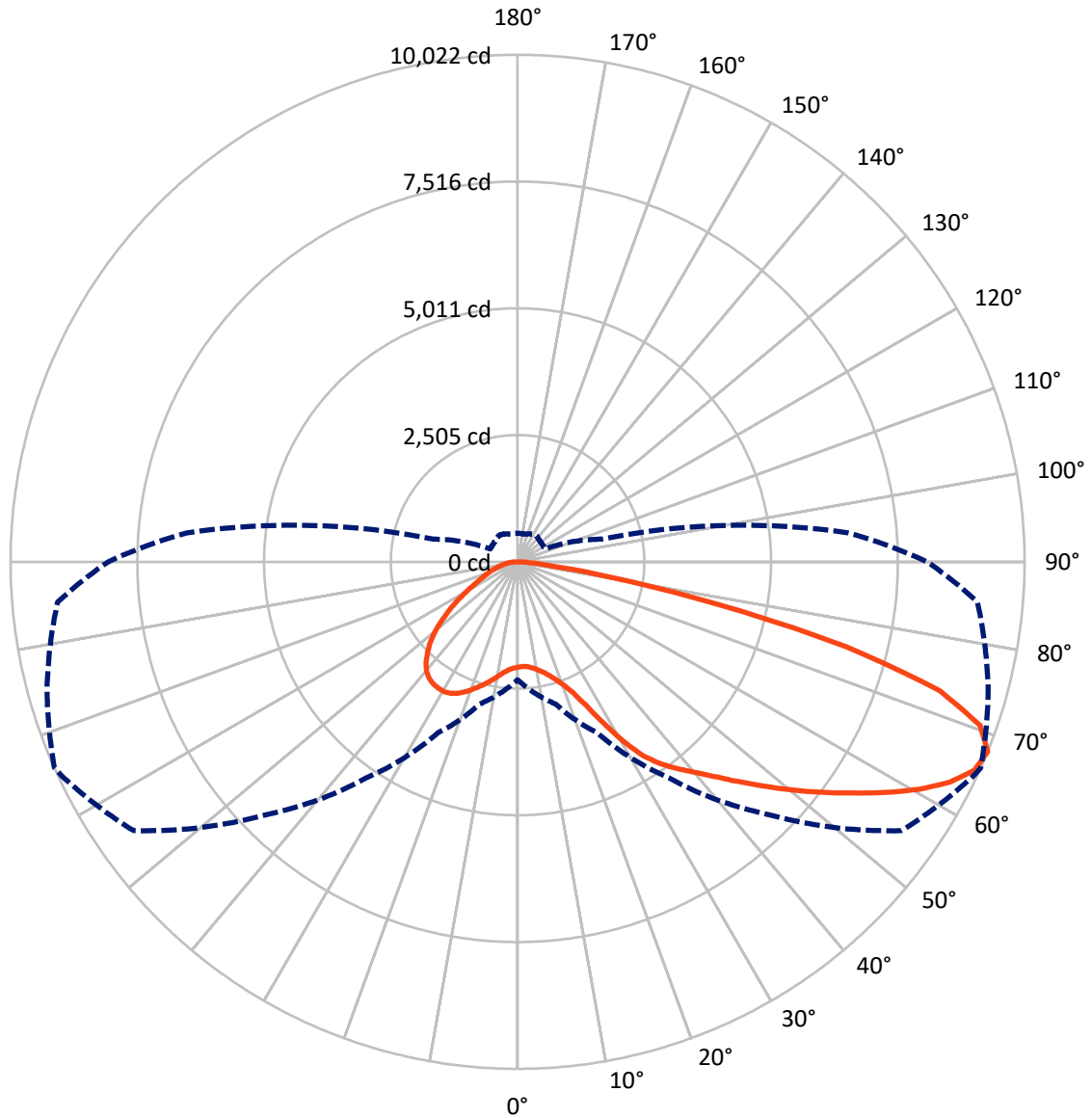
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Short - N/A

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CATALOG NUMBER: GLAN-SB5A-835-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4668.1	0.0	4668.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	14105.9	0.0	14105.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	18774.0	0.0	18774.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.4	1.1
10°-20°	682.1	3.6
20°-30°	1314.7	7.0
30°-40°	2305.1	12.3
40°-50°	3427.0	18.3
50°-60°	4344.0	23.1
60°-70°	4250.5	22.6
70°-80°	2027.5	10.8
80°-90°	216.7	1.2
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°	18774.0	100.0
0°-180°	18774.0	100.0

Coefficient of Utilization



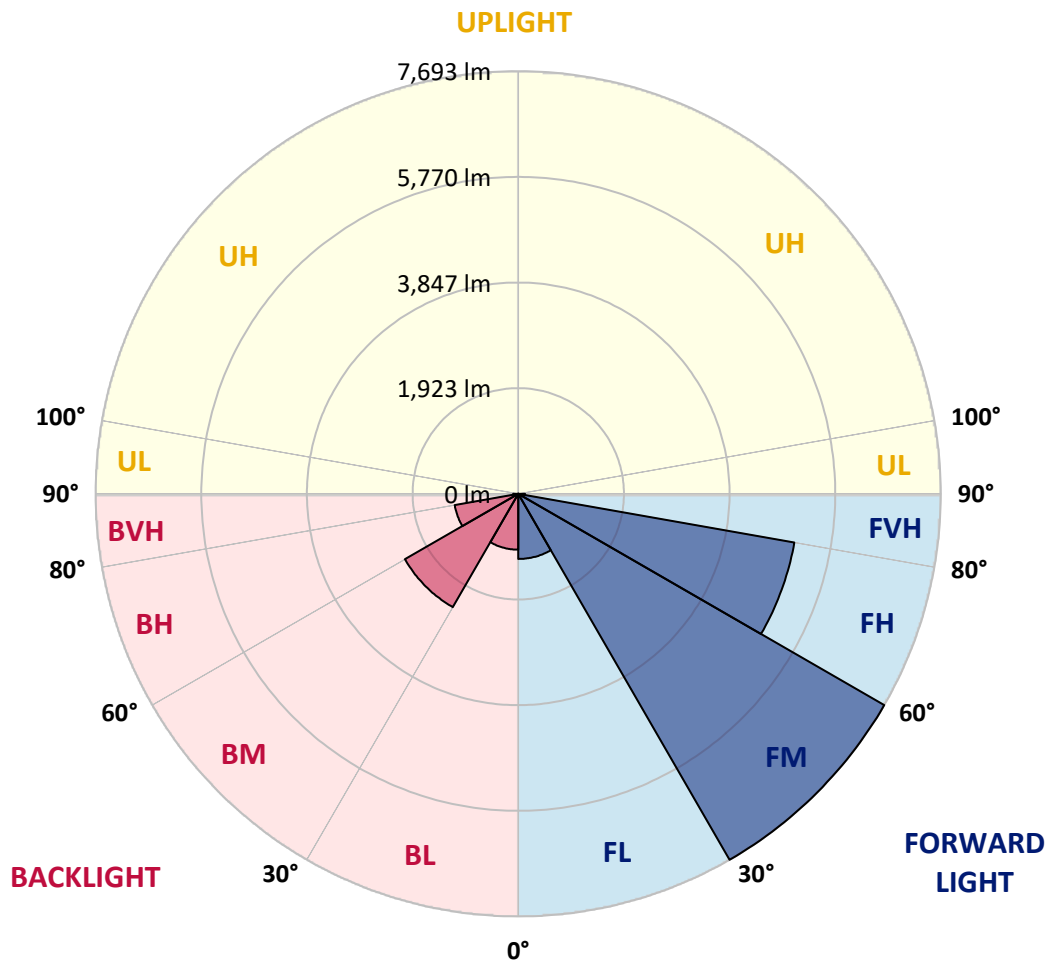
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1186.3	6.3			
FM (30°-60°)	7693.4	41.0			
FH (60°-80°)	5103.3	27.2			G3/7500
FVH (80°-90°)	122.9	0.7			G2/225
BL (0°-30°)	1016.9	5.4	B3/2500		
BM (30°-60°)	2382.7	12.7	B2/2500		
BH (60°-80°)	1174.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	93.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3
2.5°	2060.6	2072.4	2069.5	2064.5	2063.5	2065.5	2068.5	2071.4	2070.4	2075.4
5°	2054.7	2066.5	2065.5	2065.5	2069.5	2077.4	2082.3	2087.2	2082.3	2088.2
7.5°	2058.6	2067.5	2071.4	2075.4	2085.2	2100.0	2111.9	2122.7	2116.8	2123.7
10°	2108.9	2115.8	2119.8	2119.8	2126.7	2143.4	2155.3	2175.0	2170.1	2180.9
12.5°	2200.7	2207.6	2207.6	2203.6	2208.5	2219.4	2223.3	2245.0	2236.2	2253.9
15°	2313.1	2326.9	2316.1	2309.2	2311.1	2322.0	2321.0	2337.8	2328.9	2343.7
17.5°	2437.4	2455.1	2437.4	2436.4	2432.5	2444.3	2445.3	2460.1	2444.3	2455.1
20°	2584.4	2609.0	2594.2	2599.2	2590.3	2595.2	2600.1	2621.8	2597.2	2605.1
22.5°	2791.5	2821.1	2805.3	2824.1	2818.1	2814.2	2813.2	2851.7	2813.2	2816.2
25°	3093.3	3128.9	3101.2	3126.9	3126.9	3139.7	3154.5	3203.8	3139.7	3121.0
27.5°	3539.2	3574.7	3520.5	3536.2	3531.3	3562.9	3547.1	3669.4	3600.4	3569.8
30°	4075.8	4138.9	4036.3	4032.4	4027.5	4077.8	4100.5	4181.3	4111.3	4080.7
32.5°	4655.8	4721.9	4599.6	4564.1	4545.3	4575.9	4557.2	4622.3	4573.9	4526.6
35°	5269.3	5334.4	5218.0	5149.0	5074.0	5009.9	4942.8	4959.6	4914.2	4842.2
37.5°	5849.3	5968.7	5845.4	5771.4	5633.3	5508.0	5320.6	5242.7	5200.3	5134.2
40°	6440.2	6508.2	6414.5	6351.4	6201.5	6005.2	5705.3	5540.6	5483.4	5419.3
42.5°	6875.2	6940.3	6890.0	6846.6	6729.2	6501.3	6113.7	5907.5	5824.7	5752.7
45°	7220.4	7268.8	7237.2	7253.0	7202.7	6981.7	6536.9	6301.1	6215.3	6127.5
47.5°	7359.5	7410.8	7461.1	7554.8	7640.6	7477.9	6991.6	6727.2	6636.5	6546.7
50°	7343.7	7396.0	7542.0	7741.2	8007.6	7953.3	7471.0	7181.0	7097.1	6994.5
52.5°	7217.5	7276.7	7464.1	7795.5	8219.6	8309.4	7959.2	7649.5	7570.6	7448.3
55°	6886.0	6921.5	7202.7	7672.2	8270.0	8558.0	8437.6	8148.6	8069.7	7899.1
57.5°	6271.5	6322.8	6732.2	7339.8	8143.7	8726.7	8857.8	8673.4	8597.4	8351.8
60°	5469.6	5551.4	6020.0	6781.5	7822.1	8725.7	9239.6	9189.3	9126.1	8797.7
62.5°	4562.1	4656.8	5107.6	5992.4	7259.9	8478.1	9478.3	9621.3	9588.8	9209.0
65°	3503.7	3568.8	4017.6	4971.4	6384.9	7946.4	9505.9	9916.3	9922.2	9521.7
67.5°	2332.8	2520.2	2909.9	3730.6	5213.1	7077.4	9263.3	9964.6	10021.8	9629.2
70°	1138.3	1384.9	1766.6	2424.6	3730.6	5744.8	8629.0	9568.1	9695.3	9315.5
72.5°	472.5	552.4	760.5	1196.5	2141.5	3876.5	7354.6	8492.9	8728.6	8254.2
75°	318.6	345.2	435.0	613.5	975.5	1911.6	5303.9	6332.7	6712.4	6234.0
77.5°	245.6	262.4	316.6	429.1	580.0	723.0	2838.9	3816.4	4012.7	3714.8
80°	193.3	206.2	236.7	312.7	411.3	386.7	967.7	1729.2	1842.6	1545.7
82.5°	167.7	172.6	169.7	212.1	273.2	225.9	317.6	638.2	704.3	511.0
85°	121.3	135.1	141.1	131.2	145.0	114.4	130.2	225.9	248.6	221.9
87.5°	49.3	73.0	89.8	84.8	53.3	32.6	40.4	66.1	76.0	82.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848508
 CATALOG NUMBER: GLAN-SB5A-835-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2082.3	0°	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3	2082.3
2083.3	2.5°	2084.3	2091.2	2096.1	2102.0	2106.0	2111.9	2123.7	2130.6	2131.6	2136.5
2099.1	5°	2103.0	2112.9	2123.7	2139.5	2157.3	2172.0	2194.7	2210.5	2216.4	2221.4
2137.5	7.5°	2143.4	2157.3	2177.0	2204.6	2230.2	2250.0	2277.6	2296.3	2315.1	2322.0
2198.7	10°	2203.6	2223.3	2251.9	2289.4	2317.0	2342.7	2371.3	2387.1	2405.8	2413.7
2271.7	12.5°	2278.6	2299.3	2336.8	2389.1	2414.7	2432.5	2442.3	2438.4	2442.3	2449.2
2359.5	15°	2364.4	2387.1	2429.5	2485.7	2503.5	2487.7	2466.0	2446.3	2443.3	2445.3
2466.0	17.5°	2466.0	2482.8	2532.1	2579.4	2566.6	2501.5	2454.2	2422.6	2406.8	2401.9
2602.1	20°	2608.0	2608.0	2648.5	2678.1	2592.3	2481.8	2407.8	2356.5	2324.0	2310.1
2787.6	22.5°	2780.7	2764.9	2790.5	2769.8	2587.3	2426.5	2324.0	2235.2	2185.9	2166.1
3047.0	25°	2999.6	2980.9	2974.0	2845.8	2551.8	2338.7	2172.0	2064.5	2021.1	2010.3
3420.8	27.5°	3330.1	3282.7	3193.0	2887.2	2486.7	2200.7	1994.5	1894.9	1870.2	1871.2
3901.2	30°	3770.0	3675.3	3455.3	2894.1	2380.2	2005.3	1813.0	1742.0	1730.1	1735.1
4304.6	32.5°	4177.4	4087.6	3723.6	2862.5	2216.4	1814.0	1650.2	1602.9	1585.1	1591.1
4612.4	35°	4497.0	4472.3	3972.2	2818.1	2015.2	1634.5	1504.3	1463.8	1429.3	1421.4
4902.4	37.5°	4798.8	4789.0	4158.7	2756.0	1816.0	1507.2	1386.9	1333.6	1283.3	1255.7
5223.0	40°	5130.3	5120.4	4281.0	2660.3	1639.4	1396.7	1281.3	1211.3	1149.2	1098.8
5586.0	42.5°	5503.1	5444.9	4339.2	2523.2	1489.5	1303.0	1195.5	1100.8	1018.9	972.6
5996.3	45°	5910.5	5779.3	4338.2	2348.6	1363.2	1217.2	1103.8	969.6	893.7	850.3
6417.5	47.5°	6342.5	6098.9	4284.9	2155.3	1240.9	1122.5	961.7	859.2	808.8	782.2
6875.2	50°	6788.4	6397.8	4194.2	1933.3	1115.6	1015.0	873.0	802.9	764.5	739.8
7328.9	52.5°	7207.6	6669.0	4084.7	1681.8	988.4	910.4	833.5	779.3	738.8	711.2
7768.9	55°	7597.2	6902.8	3929.8	1424.4	884.8	840.4	814.8	769.4	723.0	690.5
8215.7	57.5°	7943.5	7054.7	3662.5	1182.7	810.8	792.1	795.0	752.6	699.4	671.7
8655.6	60°	8231.5	7166.2	3266.9	958.8	750.6	744.7	764.5	721.1	658.9	627.3
9027.5	62.5°	8404.1	7164.2	2781.6	785.2	699.4	701.3	724.0	681.6	618.5	588.9
9221.8	65°	8389.3	6988.6	2249.0	671.7	650.0	652.0	681.6	638.2	584.9	567.2
9124.2	67.5°	8092.4	6560.5	1725.2	597.8	595.8	604.7	639.2	608.6	564.2	562.2
8542.2	70°	7288.5	5671.8	1242.9	538.6	539.6	552.4	597.8	589.9	553.4	557.3
7182.0	72.5°	5844.4	4324.4	834.5	476.4	477.4	498.1	558.3	575.1	542.5	594.8
5095.7	75°	3892.3	2696.8	536.6	410.3	411.3	438.0	523.8	546.5	512.9	592.8
2651.4	77.5°	1870.2	1212.3	388.6	345.2	345.2	369.9	452.8	489.3	437.0	460.6
852.2	80°	646.1	455.7	305.8	278.2	272.2	289.0	381.7	424.2	376.8	347.2
278.2	82.5°	254.5	236.7	245.6	216.0	196.3	207.1	296.9	350.2	277.2	250.5
156.8	85°	146.0	153.9	173.6	143.0	113.4	127.2	218.0	251.5	209.1	184.5
51.3	87.5°	39.5	54.3	79.9	74.0	51.3	54.3	103.6	139.1	120.3	92.7
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°
2082.3
2135.6
2220.4
2323.0
2417.7
2451.2
2452.2
2408.8
2307.2
2163.2
2012.3
1874.2
1751.8
1599.0
1427.3
1256.7
1103.8
975.5
848.3
776.3
730.9
699.4
677.7
654.0
613.5
580.0
566.2
565.2
556.3
602.7
597.8
422.2
325.5
249.6
188.4
95.7
0.0

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