

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: P846978

Luminaire Tested: **GLAN-SB2D-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846978  
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-SB2D-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16861 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

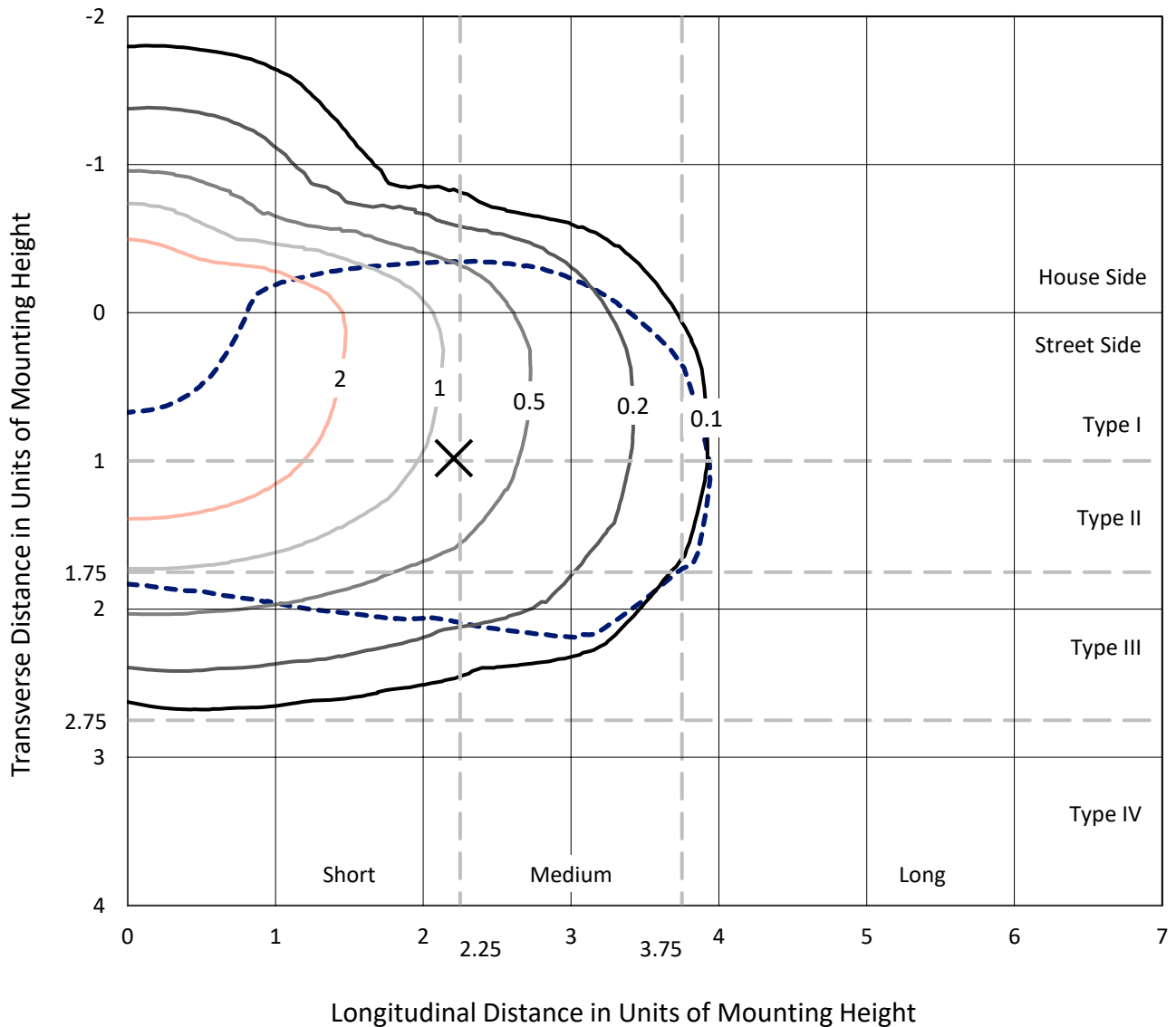
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

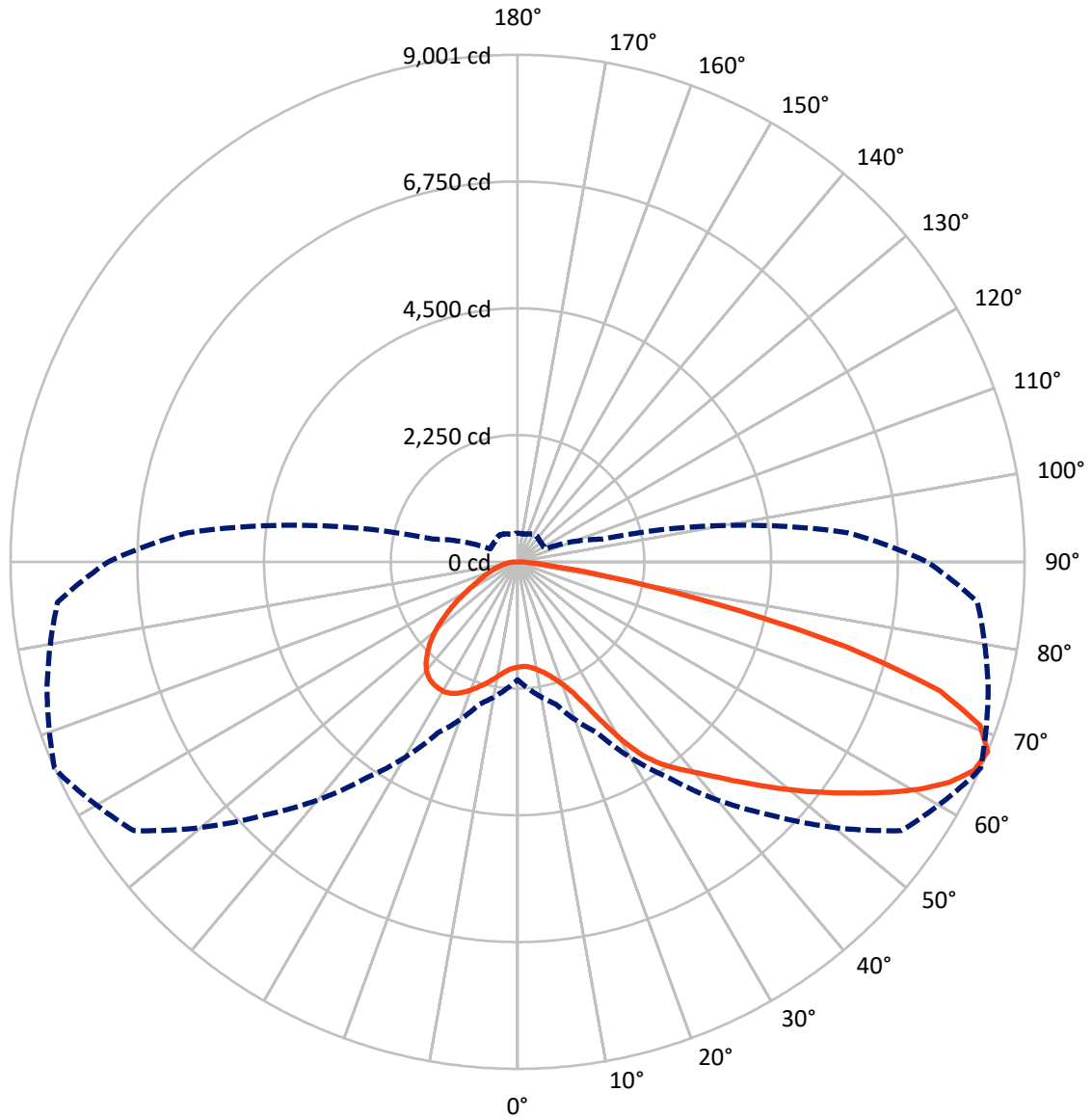
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type III - Short - N/A

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### 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
<b>House Side</b>	Lumens	4192.4	0.0	4192.4
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	12668.6	0.0	12668.6
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	16861.0	0.0	16861.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.4	1.1
10°-20°	612.6	3.6
20°-30°	1180.7	7.0
30°-40°	2070.2	12.3
40°-50°	3077.8	18.3
50°-60°	3901.4	23.1
60°-70°	3817.4	22.6
70°-80°	1820.9	10.8
80°-90°	194.6	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°	16861.0	100.0
0°-180°	16861.0	100.0

**Coefficient of Utilization**



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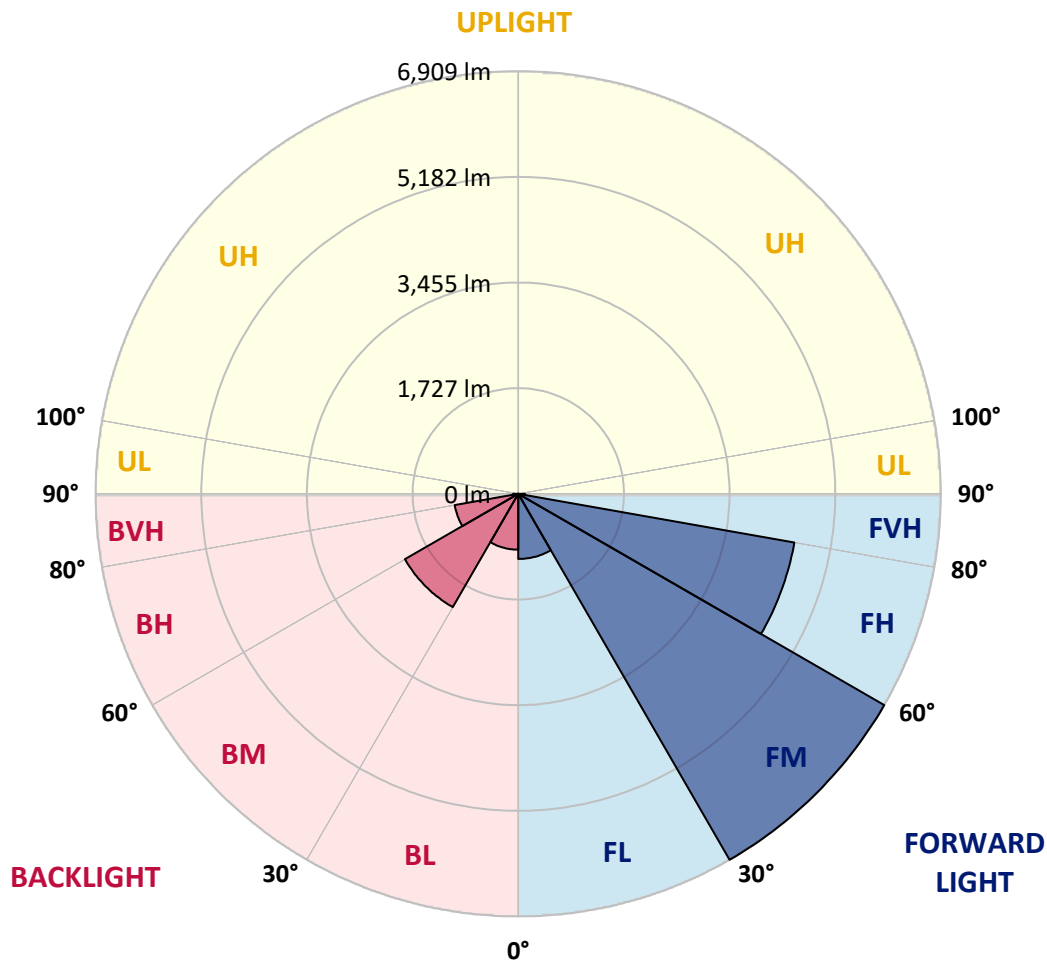
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1065.5	6.3			
FM (30°-60°)	6909.5	41.0			
FH (60°-80°)	4583.3	27.2			G2/5000
FVH (80°-90°)	110.3	0.7			G2/225
BL (0°-30°)	913.3	5.4	B2/1000		
BM (30°-60°)	2139.9	12.7	B2/2500		
BH (60°-80°)	1055.0	6.3	B3/2500		G3/2500
BVH (80°-90°)	84.3	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°	1870.1	1870.1	1870.1	1870.1	1870.1	1870.1	1870.1	1870.1	1870.1	1870.1
2.5°	1850.6	1861.2	1858.6	1854.2	1853.3	1855.0	1857.7	1860.4	1859.5	1863.9
5°	1845.3	1855.9	1855.0	1855.0	1858.6	1865.7	1870.1	1874.5	1870.1	1875.4
7.5°	1848.8	1856.8	1860.4	1863.9	1872.8	1886.1	1896.7	1906.4	1901.1	1907.3
10°	1894.0	1900.2	1903.8	1903.8	1910.0	1925.0	1935.7	1953.4	1949.0	1958.7
12.5°	1976.4	1982.6	1982.6	1979.1	1983.5	1993.2	1996.8	2016.3	2008.3	2024.3
15°	2077.4	2089.8	2080.1	2073.9	2075.6	2085.4	2084.5	2099.6	2091.6	2104.9
17.5°	2189.0	2205.0	2189.0	2188.1	2184.6	2195.2	2196.1	2209.4	2195.2	2205.0
20°	2321.0	2343.2	2329.9	2334.3	2326.3	2330.8	2335.2	2354.7	2332.5	2339.6
22.5°	2507.1	2533.6	2519.5	2536.3	2531.0	2527.4	2526.6	2561.1	2526.6	2529.2
25°	2778.1	2810.0	2785.2	2808.3	2808.3	2819.8	2833.1	2877.4	2819.8	2802.9
27.5°	3178.6	3210.5	3161.7	3175.9	3171.5	3199.8	3185.7	3295.5	3233.5	3206.0
30°	3660.5	3717.2	3625.1	3621.5	3617.1	3662.3	3682.6	3755.3	3692.4	3664.9
32.5°	4181.4	4240.7	4130.9	4099.0	4082.2	4109.6	4092.8	4151.3	4107.9	4065.3
35°	4732.4	4790.9	4686.3	4624.3	4557.0	4499.4	4439.2	4454.2	4413.5	4348.8
37.5°	5253.3	5360.5	5249.8	5183.3	5059.3	4946.8	4778.5	4708.5	4670.4	4611.0
40°	5784.0	5845.1	5760.9	5704.2	5569.6	5393.3	5124.0	4976.0	4924.6	4867.1
42.5°	6174.6	6233.1	6187.9	6148.9	6043.5	5838.9	5490.7	5305.6	5231.2	5166.5
45°	6484.7	6528.1	6499.8	6513.9	6468.7	6270.3	5870.8	5659.0	5582.0	5503.1
47.5°	6609.6	6655.7	6700.9	6785.0	6862.1	6715.9	6279.2	6041.8	5960.2	5879.6
50°	6595.4	6642.4	6773.5	6952.4	7191.6	7142.9	6709.7	6449.3	6374.0	6281.8
52.5°	6482.0	6535.2	6703.5	7001.2	7382.1	7462.7	7148.2	6870.1	6799.2	6689.3
55°	6184.4	6216.3	6468.7	6890.4	7427.3	7686.0	7577.9	7318.3	7247.4	7094.2
57.5°	5632.5	5678.5	6046.2	6591.9	7313.9	7837.4	7955.3	7789.6	7721.4	7500.8
60°	4912.2	4985.8	5406.6	6090.5	7025.1	7836.6	8298.1	8252.9	8196.2	7901.2
62.5°	4097.2	4182.3	4587.1	5381.8	6520.1	7614.2	8512.5	8640.9	8611.7	8270.6
65°	3146.7	3205.1	3608.2	4464.9	5734.3	7136.7	8537.3	8905.8	8911.1	8551.5
67.5°	2095.1	2263.4	2613.4	3350.4	4681.9	6356.2	8319.4	8949.2	9000.6	8648.0
70°	1022.3	1243.8	1586.6	2177.5	3350.4	5159.4	7749.7	8593.1	8707.4	8366.3
72.5°	424.3	496.1	683.0	1074.6	1923.3	3481.5	6605.2	7627.5	7839.2	7413.1
75°	286.1	310.1	390.7	551.0	876.1	1716.8	4763.4	5687.4	6028.5	5598.8
77.5°	220.6	235.6	284.4	385.4	520.9	649.4	2549.6	3427.5	3603.8	3336.3
80°	173.6	185.2	212.6	280.8	369.4	347.3	869.1	1553.0	1654.8	1388.2
82.5°	150.6	155.0	152.4	190.5	245.4	202.9	285.3	573.2	632.5	458.9
85°	109.0	121.4	126.7	117.8	130.2	102.8	116.9	202.9	223.2	199.3
87.5°	44.3	65.6	80.6	76.2	47.8	29.2	36.3	59.4	68.2	74.4
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°
1870.1	0°	1870.1	1870.1	1870.1	1870.1	1870.1	1870.1	1870.1	1870.1	1870.1	1870.1
1871.0	2.5°	1871.9	1878.1	1882.5	1887.8	1891.4	1896.7	1907.3	1913.5	1914.4	1918.8
1885.2	5°	1888.7	1897.6	1907.3	1921.5	1937.4	1950.7	1971.1	1985.3	1990.6	1995.0
1919.7	7.5°	1925.0	1937.4	1955.2	1980.0	2003.0	2020.7	2045.5	2062.3	2079.2	2085.4
1974.6	10°	1979.1	1996.8	2022.5	2056.1	2080.9	2104.0	2129.7	2143.8	2160.7	2167.8
2040.2	12.5°	2046.4	2065.0	2098.7	2145.6	2168.7	2184.6	2193.5	2189.9	2193.5	2199.7
2119.0	15°	2123.5	2143.8	2181.9	2232.4	2248.4	2234.2	2214.7	2197.0	2194.3	2196.1
2214.7	17.5°	2214.7	2229.8	2274.1	2316.6	2305.1	2246.6	2204.1	2175.7	2161.6	2157.1
2337.0	20°	2342.3	2342.3	2378.6	2405.2	2328.1	2228.9	2162.5	2116.4	2087.2	2074.7
2503.5	22.5°	2497.3	2483.1	2506.2	2487.6	2323.7	2179.3	2087.2	2007.4	1963.1	1945.4
2736.5	25°	2694.0	2677.2	2670.9	2555.8	2291.8	2100.4	1950.7	1854.2	1815.2	1805.4
3072.3	27.5°	2990.8	2948.2	2867.6	2593.0	2233.3	1976.4	1791.3	1701.8	1679.6	1680.5
3503.7	30°	3385.9	3300.8	3103.3	2599.2	2137.6	1801.0	1628.3	1564.5	1553.8	1558.3
3866.0	32.5°	3751.7	3671.1	3344.2	2570.8	1990.6	1629.1	1482.1	1439.6	1423.6	1428.9
4142.4	35°	4038.8	4016.6	3567.5	2531.0	1809.9	1467.9	1351.0	1314.7	1283.7	1276.6
4402.9	37.5°	4309.8	4301.0	3734.9	2475.2	1630.9	1353.6	1245.6	1197.7	1152.5	1127.7
4690.8	40°	4607.5	4598.6	3844.8	2389.2	1472.3	1254.4	1150.8	1087.9	1032.1	986.9
5016.8	42.5°	4942.4	4890.1	3897.0	2266.1	1337.7	1170.3	1073.7	988.7	915.1	873.5
5385.3	45°	5308.2	5190.4	3896.1	2109.3	1224.3	1093.2	991.3	870.8	802.6	763.6
5763.6	47.5°	5696.3	5477.4	3848.3	1935.7	1114.4	1008.1	863.7	771.6	726.4	702.5
6174.6	50°	6096.7	5745.9	3766.8	1736.3	1001.9	911.6	784.0	721.1	686.6	664.4
6582.1	52.5°	6473.2	5989.5	3668.5	1510.4	887.7	817.7	748.6	699.9	663.5	638.7
6977.2	55°	6823.1	6199.4	3529.4	1279.2	794.6	754.8	731.7	691.0	649.4	620.1
7378.6	57.5°	7134.0	6335.9	3289.3	1062.2	728.2	711.4	714.0	675.9	628.1	603.3
7773.7	60°	7392.7	6436.0	2934.1	861.1	674.2	668.8	686.6	647.6	591.8	563.4
8107.6	62.5°	7547.8	6434.2	2498.2	705.2	628.1	629.9	650.2	612.1	555.5	528.9
8282.2	65°	7534.5	6276.5	2019.8	603.3	583.8	585.6	612.1	573.2	525.3	509.4
8194.5	67.5°	7267.8	5892.0	1549.4	536.8	535.1	543.0	574.1	546.6	506.7	505.0
7671.8	70°	6545.8	5093.9	1116.2	483.7	484.6	496.1	536.8	529.8	497.0	500.5
6450.1	72.5°	5248.9	3883.7	749.5	427.9	428.8	447.4	501.4	516.5	487.2	534.2
4576.5	75°	3495.7	2422.0	481.9	368.5	369.4	393.3	470.4	490.8	460.7	532.4
2381.3	77.5°	1679.6	1088.8	349.0	310.1	310.1	332.2	406.6	439.4	392.4	413.7
765.4	80°	580.3	409.3	274.6	249.8	244.5	259.6	342.8	380.9	338.4	311.8
249.8	82.5°	228.6	212.6	220.6	194.0	176.3	186.0	266.7	314.5	248.9	225.0
140.9	85°	131.1	138.2	155.9	128.5	101.9	114.3	195.8	225.9	187.8	165.7
46.1	87.5°	35.4	48.7	71.8	66.4	46.1	48.7	93.0	124.9	108.1	83.3
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°
1870.1
1917.9
1994.1
2086.3
2171.3
2201.4
2202.3
2163.3
2072.1
1942.8
1807.2
1683.2
1573.3
1436.0
1281.9
1128.6
991.3
876.1
761.9
697.2
656.4
628.1
608.6
587.3
551.0
520.9
508.5
507.6
499.6
541.3
536.8
379.2
292.3
224.1
169.2
85.9
0.0

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