

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: P846746

Luminaire Tested: **GLAN-SB2C-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14562 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

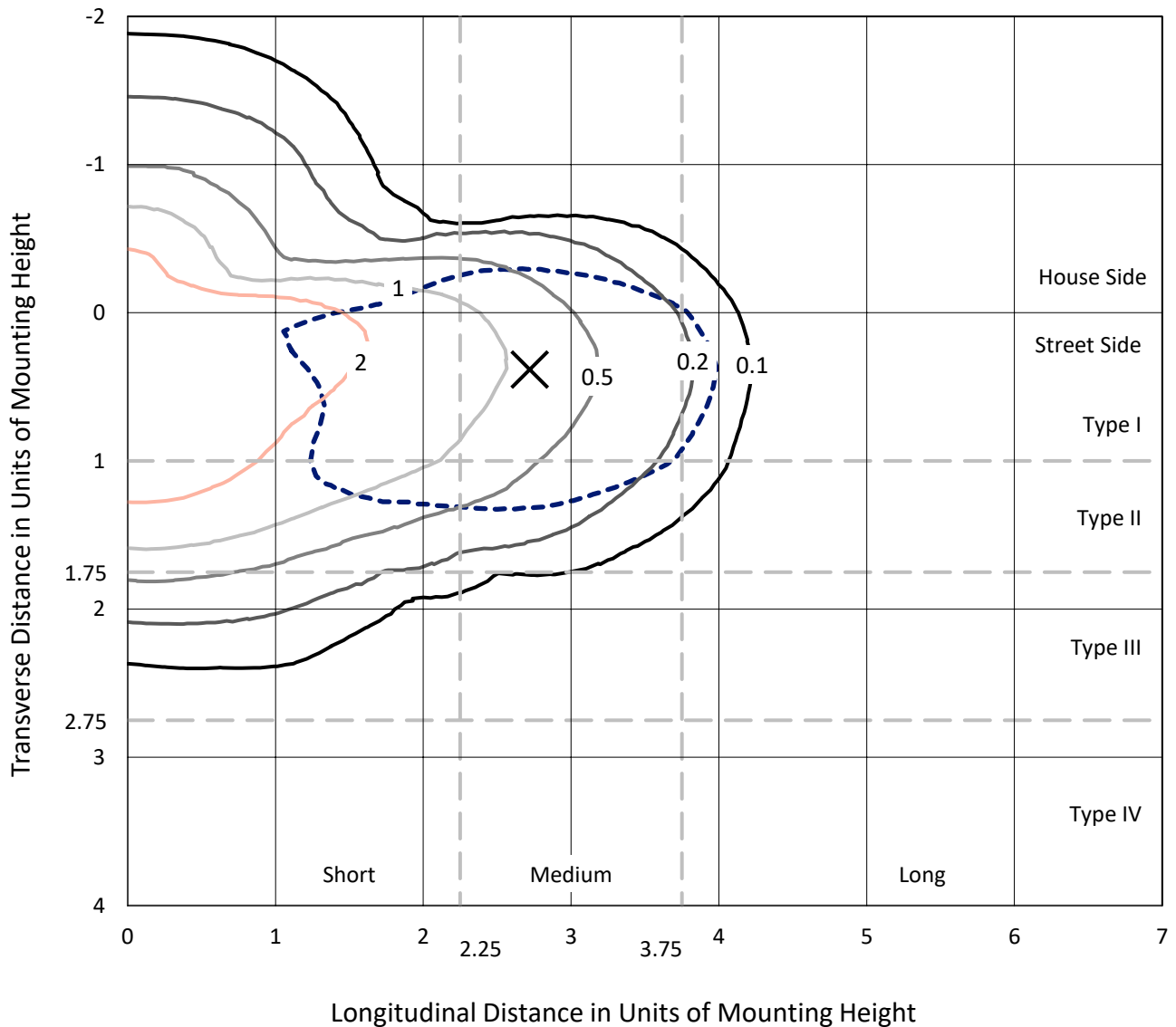
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

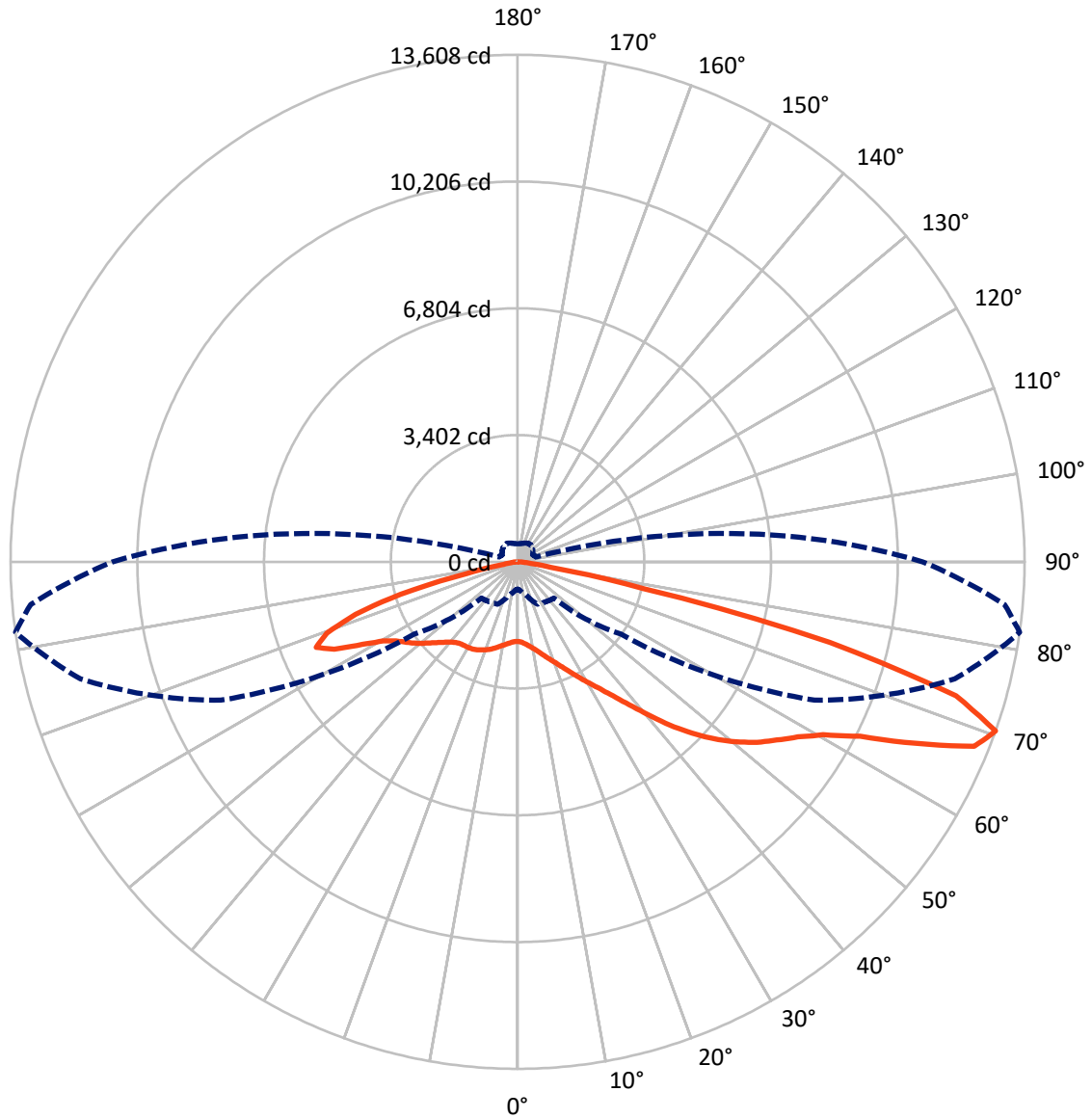
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3589.9	0.0	3589.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	10972.1	0.0	10972.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	14562.0	0.0	14562.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.6	1.4
10°-20°	579.1	4.0
20°-30°	968.9	6.7
30°-40°	1513.6	10.4
40°-50°	2410.6	16.6
50°-60°	3354.6	23.0
60°-70°	3509.1	24.1
70°-80°	1834.0	12.6
80°-90°	190.4	1.3
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°	14562.0	100.0
0°-180°	14562.0	100.0

Coefficient of Utilization

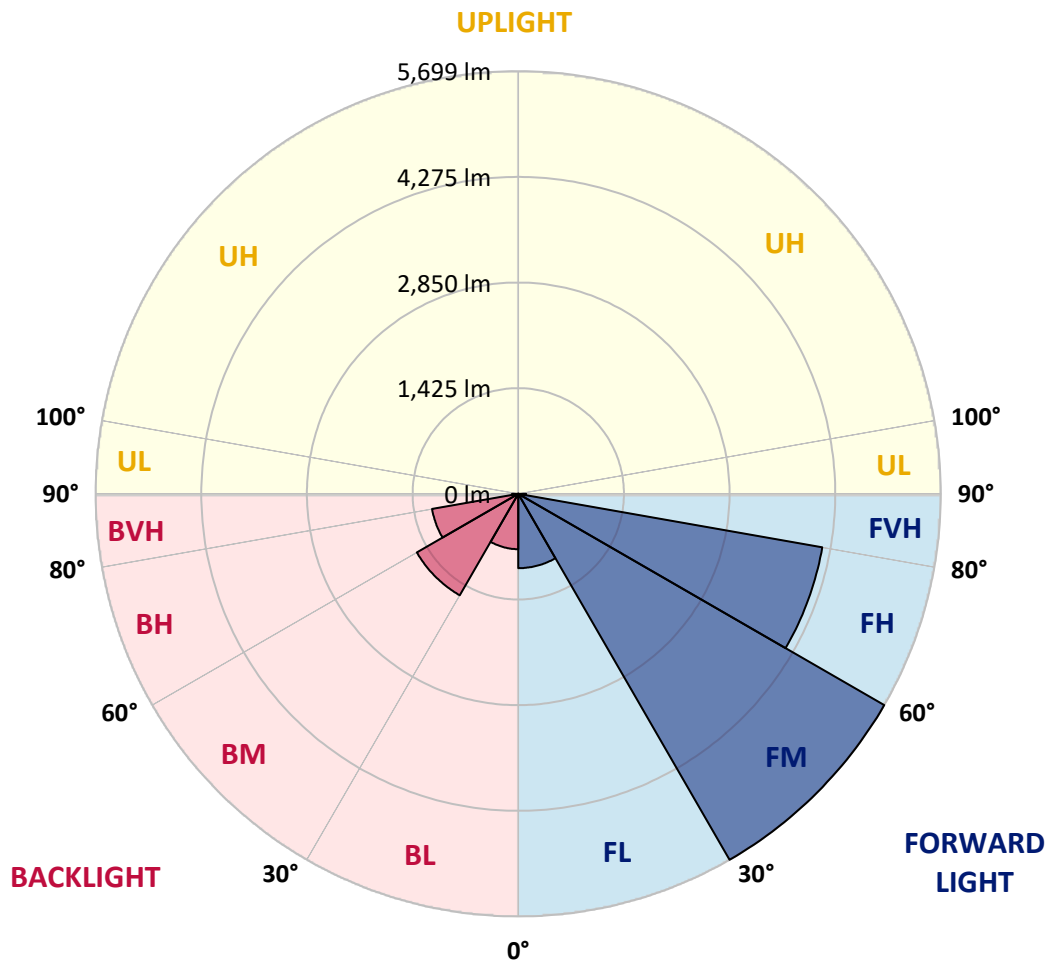


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1002.8	6.9			
FM (30°-60°)	5699.4	39.1			
FH (60°-80°)	4163.3	28.6			G2/5000
FVH (80°-90°)	106.6	0.7			G2/225
BL (0°-30°)	746.8	5.1	B2/1000		
BM (30°-60°)	1579.4	10.8	B2/2500		
BH (60°-80°)	1179.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	83.8	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0
2.5°	2186.0	2198.3	2194.5	2190.6	2190.6	2185.2	2184.4	2176.7	2170.5	2160.5
5°	2213.8	2226.9	2225.4	2228.5	2238.5	2240.8	2243.1	2238.5	2226.1	2213.8
7.5°	2189.1	2203.7	2208.4	2226.9	2257.8	2285.6	2306.5	2315.0	2303.4	2285.6
10°	2105.6	2121.8	2138.1	2182.1	2237.0	2302.6	2358.3	2391.5	2389.2	2372.2
12.5°	1936.4	1953.4	1988.2	2073.9	2174.4	2290.3	2393.8	2463.4	2487.3	2475.0
15°	1801.2	1815.8	1842.1	1930.2	2060.8	2237.0	2407.0	2542.2	2603.2	2596.3
17.5°	1797.3	1803.5	1819.7	1861.4	1961.9	2153.5	2393.1	2619.5	2736.1	2735.4
20°	1865.3	1867.6	1876.9	1885.4	1942.6	2090.2	2357.5	2683.6	2885.3	2885.3
22.5°	1959.6	1958.0	1967.3	1959.6	1987.4	2084.7	2335.1	2740.0	3051.4	3063.8
25°	2101.0	2093.2	2090.9	2073.2	2078.6	2135.0	2359.8	2804.1	3248.4	3273.9
27.5°	2289.5	2277.1	2268.6	2227.7	2213.8	2238.5	2435.6	2881.4	3467.9	3511.9
30°	2535.2	2512.8	2500.5	2429.4	2379.1	2383.0	2549.9	2984.2	3697.4	3768.5
32.5°	2870.6	2835.8	2802.6	2685.9	2594.0	2563.8	2697.5	3126.3	3946.2	4059.8
35°	3246.1	3218.3	3182.8	3002.7	2861.3	2791.8	2896.9	3324.9	4237.5	4417.5
37.5°	3607.7	3583.8	3600.8	3358.2	3175.8	3074.6	3158.0	3591.5	4596.8	4862.6
40°	3981.7	3963.2	3965.5	3733.7	3521.2	3407.6	3474.8	3926.1	5008.6	5391.9
42.5°	4388.2	4374.3	4327.9	4122.4	3883.6	3777.7	3839.5	4312.4	5450.6	5994.6
45°	4843.3	4834.8	4791.5	4555.8	4282.3	4163.3	4246.8	4739.0	5894.9	6561.8
47.5°	5236.6	5243.5	5238.1	5039.6	4756.0	4581.3	4681.0	5184.0	6308.3	7094.9
50°	5425.9	5462.2	5515.5	5453.7	5277.5	5099.8	5119.1	5613.7	6702.4	7594.9
52.5°	5327.0	5395.8	5541.0	5639.9	5707.9	5670.8	5619.1	6040.2	7073.3	8046.1
55°	4958.4	5055.0	5296.1	5534.9	5881.8	6151.5	6219.5	6513.1	7434.9	8443.3
57.5°	4286.9	4443.8	4660.2	5143.1	5727.3	6384.1	6919.5	7169.1	7818.2	8867.5
60°	3135.6	3345.8	3614.7	4333.3	5186.4	6259.6	7515.3	8176.7	8362.9	9416.9
62.5°	2006.7	2136.5	2383.8	3060.7	4041.2	5622.2	7697.6	9436.2	9286.3	10317.9
65°	1373.9	1457.3	1683.7	2063.9	2612.5	4184.9	7209.3	10380.5	10752.9	11745.8
67.5°	998.3	1061.7	1254.9	1587.9	1702.3	2476.5	5594.4	10337.2	12178.5	13217.0
70°	727.9	772.7	935.0	1254.9	1309.7	1377.7	3389.1	8787.1	12147.6	13608.0
72.5°	539.3	570.3	679.2	973.6	1060.1	930.3	1677.5	6386.4	10438.4	12308.3
75°	390.2	413.4	493.8	744.9	848.4	708.6	836.8	3732.1	7281.2	8658.1
77.5°	298.3	316.0	368.6	545.5	679.2	531.6	519.3	1716.9	3452.4	3469.4
80°	239.5	251.1	279.7	384.0	520.8	397.9	338.4	693.1	1091.1	923.4
82.5°	176.2	195.5	236.4	269.7	372.4	274.3	206.3	350.0	414.9	357.0
85°	100.5	113.6	142.9	193.2	238.0	167.7	118.2	155.3	193.2	158.4
87.5°	35.5	46.4	50.2	75.7	103.5	69.5	45.6	44.8	63.4	47.1
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°
2135.0	0°	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0
2158.2	2.5°	2150.4	2146.6	2131.1	2110.2	2088.6	2067.7	2060.8	2046.1	2036.1	2030.7
2208.4	5°	2193.7	2181.3	2145.0	2098.7	2050.0	1997.4	1960.3	1926.3	1901.6	1878.4
2277.1	7.5°	2255.5	2233.9	2171.3	2090.2	2003.6	1916.3	1851.4	1801.9	1768.7	1747.1
2357.5	10°	2327.4	2294.1	2198.3	2077.0	1943.3	1818.2	1741.7	1699.2	1678.3	1666.7
2449.5	12.5°	2410.1	2362.9	2226.1	2046.9	1851.4	1708.4	1655.9	1643.5	1644.3	1645.1
2565.4	15°	2512.0	2446.4	2248.6	1981.2	1731.6	1624.2	1614.9	1635.0	1655.9	1665.9
2696.7	17.5°	2627.2	2534.5	2252.4	1873.0	1614.2	1570.1	1599.5	1642.8	1674.4	1688.4
2843.5	20°	2750.8	2624.1	2224.6	1720.0	1517.6	1526.1	1578.6	1634.3	1669.0	1686.8
3011.2	22.5°	2892.2	2719.9	2158.2	1559.3	1438.8	1478.2	1540.0	1594.1	1630.4	1648.2
3208.3	25°	3053.7	2827.3	2053.8	1424.1	1370.8	1424.1	1485.9	1530.7	1560.1	1576.3
3428.5	27.5°	3233.0	2939.4	1914.8	1316.7	1311.3	1368.5	1419.5	1454.2	1469.7	1482.0
3662.6	30°	3413.0	3041.3	1746.3	1235.5	1259.5	1313.6	1349.9	1365.4	1370.0	1372.3
3923.8	32.5°	3607.7	3129.4	1569.4	1168.3	1210.0	1260.3	1281.9	1288.9	1267.2	1252.5
4240.6	35°	3843.4	3223.7	1396.3	1115.0	1161.4	1204.6	1211.6	1205.4	1179.9	1149.8
4637.7	37.5°	4134.7	3341.2	1258.0	1077.1	1115.8	1144.4	1135.9	1134.3	1136.6	1101.1
5115.3	40°	4491.7	3494.2	1156.7	1047.8	1078.7	1084.9	1060.9	1074.1	1085.6	1031.6
5639.2	42.5°	4888.1	3678.8	1092.6	1027.7	1047.8	1033.1	996.0	1010.7	1009.1	938.1
6165.4	45°	5292.2	3879.7	1070.2	1013.0	1019.2	989.8	948.9	952.7	920.3	856.2
6670.0	47.5°	5694.0	4095.3	1084.1	1000.6	983.6	950.4	918.7	901.7	853.8	805.9
7153.7	50°	6088.1	4321.7	1135.1	975.9	935.0	915.7	892.5	862.3	811.3	770.4
7611.1	52.5°	6453.6	4549.7	1192.3	935.0	873.9	885.5	870.8	836.1	785.8	744.1
8043.8	55°	6799.8	4777.6	1214.7	878.6	816.7	859.2	850.7	786.6	726.3	692.3
8496.6	57.5°	7176.8	5051.9	1190.0	806.7	770.4	829.1	796.7	725.6	690.8	665.3
9086.2	60°	7699.2	5482.3	1136.6	717.8	726.3	784.3	728.7	699.3	661.4	632.8
9970.2	62.5°	8566.9	6285.1	1050.9	629.8	674.6	717.8	696.2	666.8	628.2	600.4
11481.6	65°	9849.6	7400.9	889.4	561.0	616.6	652.9	661.4	632.1	591.9	562.5
12806.0	67.5°	10931.4	8101.0	673.0	503.8	557.1	600.4	624.3	595.8	553.3	524.7
13115.8	70°	10871.9	7592.6	513.8	447.4	504.6	548.6	579.5	557.1	511.5	484.5
11913.5	72.5°	9656.4	6351.6	415.7	390.2	451.3	494.5	531.6	514.6	468.3	442.0
8727.7	75°	7094.2	4508.7	332.3	332.3	384.8	438.1	479.1	468.3	425.8	407.2
3664.1	77.5°	2990.4	1891.6	260.4	275.9	319.9	376.3	427.3	431.2	394.1	417.3
969.0	80°	795.1	521.6	198.6	217.1	251.1	310.6	371.7	370.1	329.9	308.3
360.1	82.5°	302.9	205.5	141.4	153.0	181.6	238.0	294.4	303.7	263.5	227.9
141.4	85°	116.7	88.1	87.3	92.0	105.9	157.6	222.5	230.3	198.6	168.4
39.4	87.5°	30.1	26.3	32.5	30.9	48.7	84.2	127.5	132.1	121.3	70.3
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°
2135.0
2036.8
1887.7
1751.7
1669.8
1646.6
1665.2
1691.4
1691.4
1652.8
1580.9
1486.7
1377.7
1257.2
1151.3
1103.4
1033.1
937.3
858.5
805.9
767.3
744.9
689.2
663.0
631.3
600.4
564.1
525.4
486.8
442.0
401.8
378.6
286.7
227.9
173.9
100.5
0.0

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