

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: P846646

Luminaire Tested: **GLAN-SB2B-840-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846646  
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-SB2B-840-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9923 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

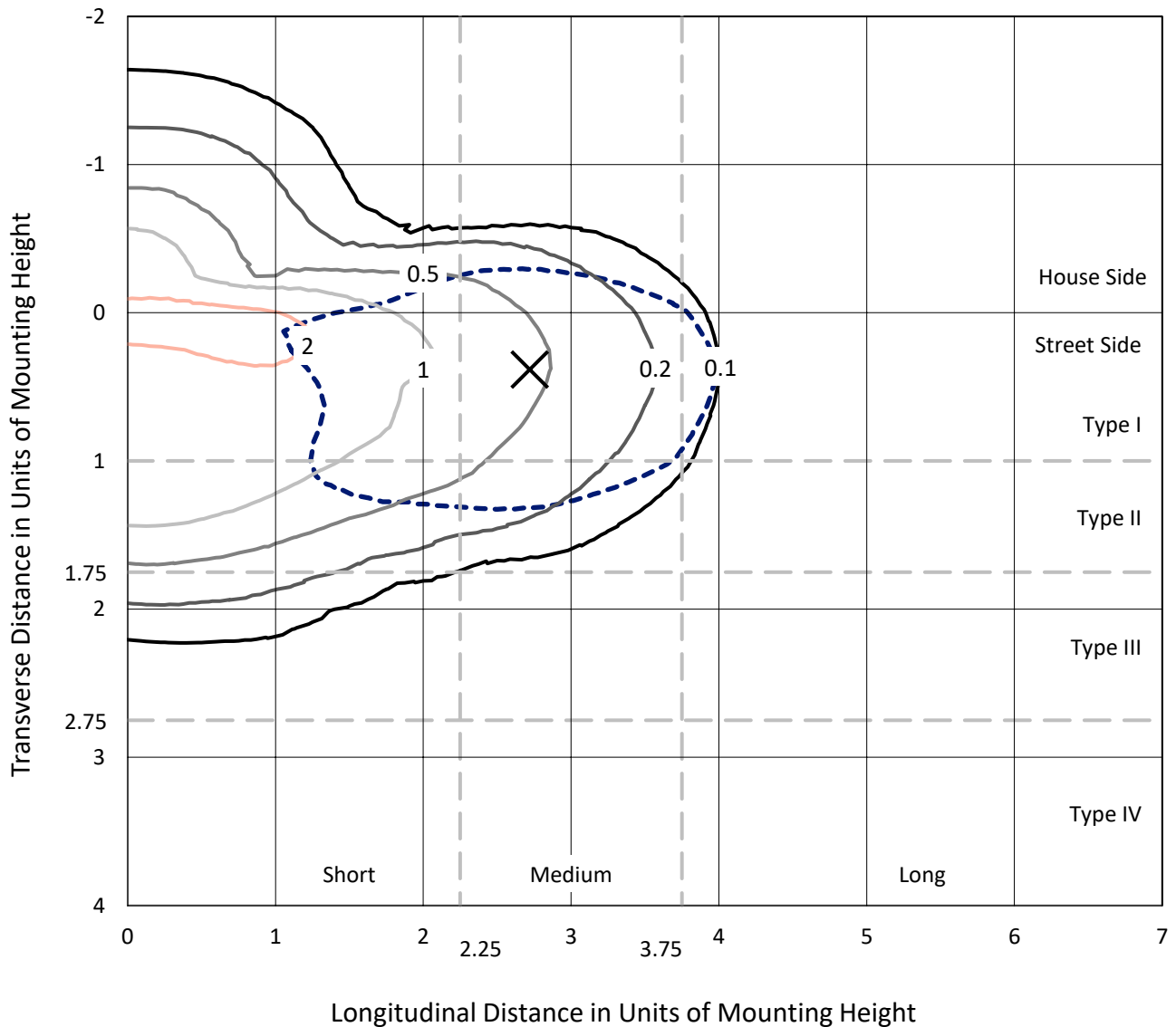
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

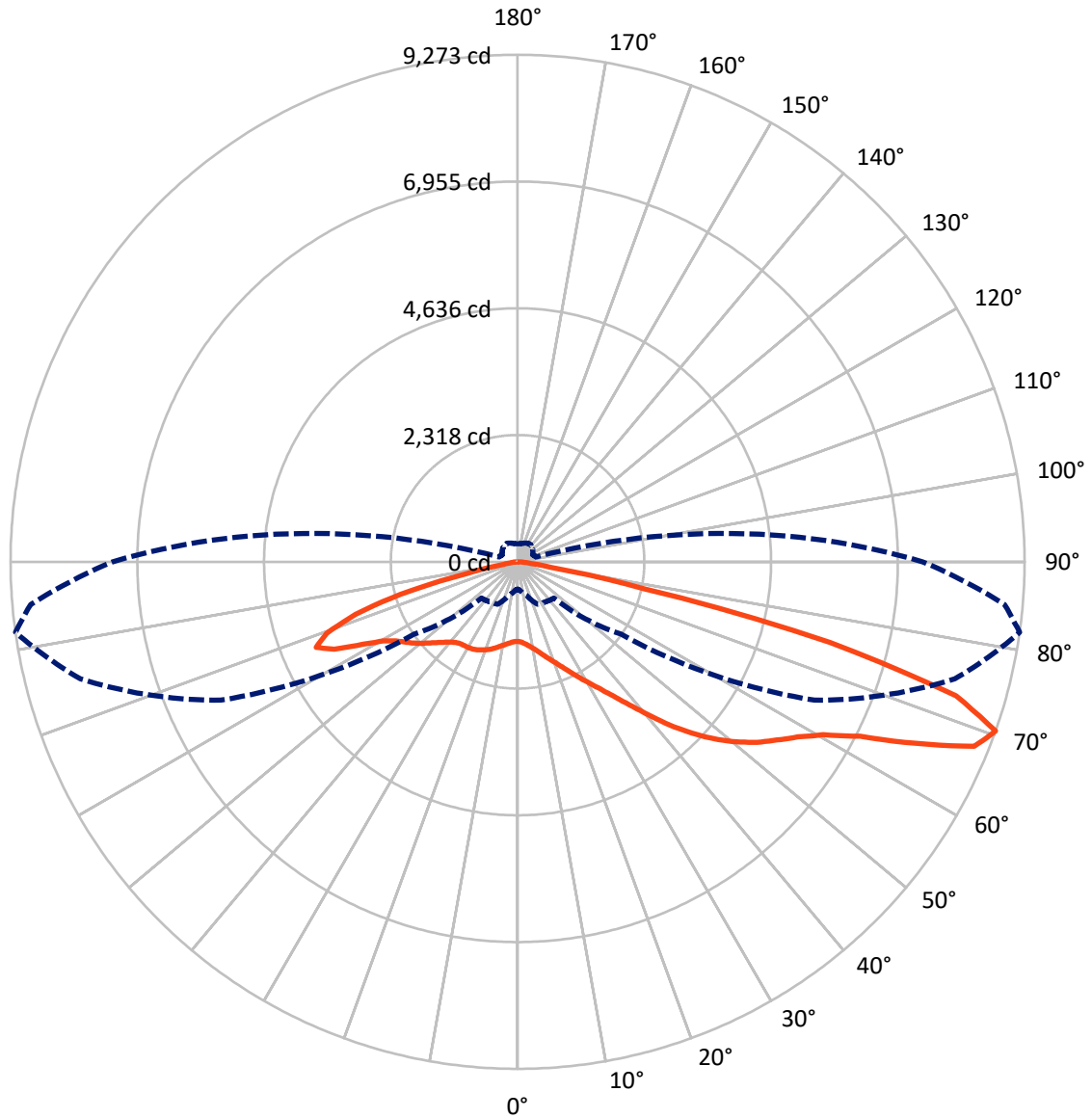
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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
<b>House Side</b>	Lumens	2446.3	0.0	2446.3
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	7476.7	0.0	7476.7
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	9923.0	0.0	9923.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.4	1.4
10°-20°	394.6	4.0
20°-30°	660.2	6.7
30°-40°	1031.4	10.4
40°-50°	1642.7	16.6
50°-60°	2286.0	23.0
60°-70°	2391.2	24.1
70°-80°	1249.8	12.6
80°-90°	129.8	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°	9923.0	100.0
0°-180°	9923.0	100.0

**Coefficient of Utilization**



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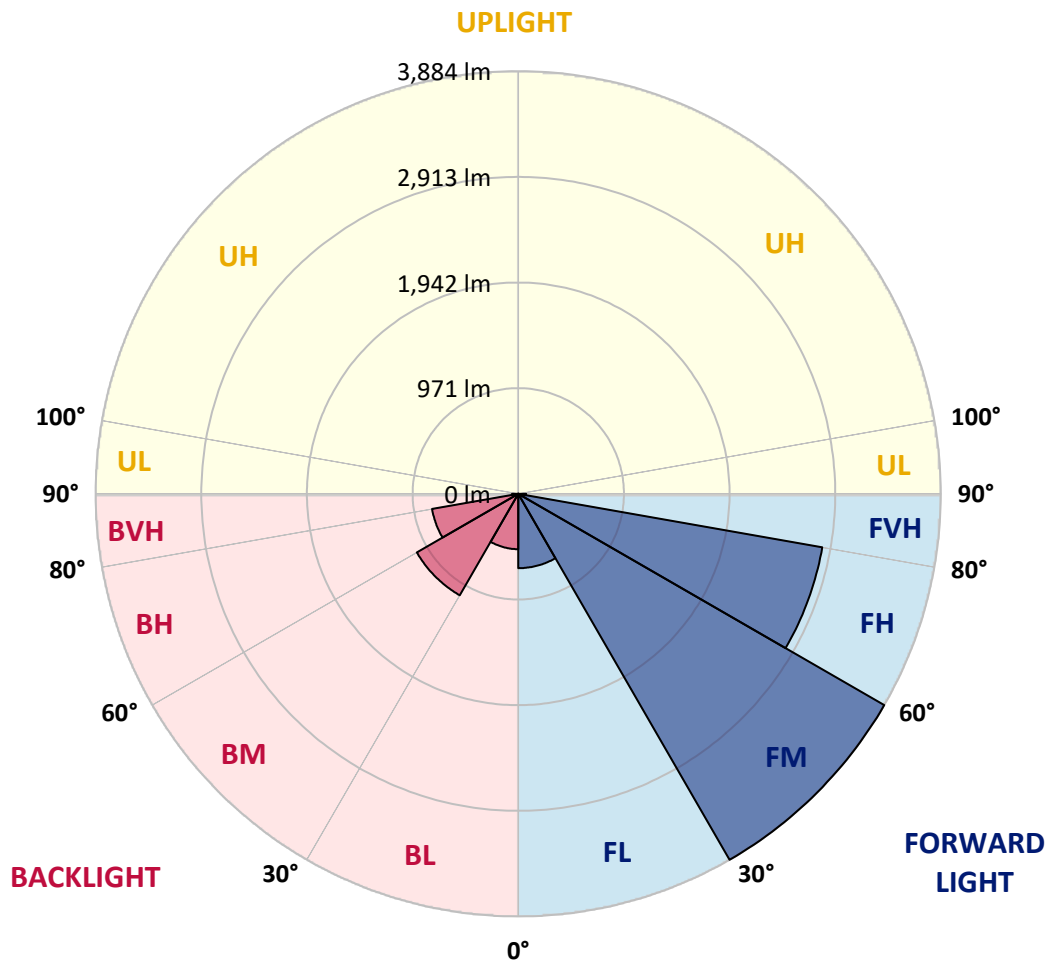
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	683.3	6.9			
FM (30°-60°)	3883.8	39.1			
FH (60°-80°)	2837.0	28.6			G2/5000
FVH (80°-90°)	72.7	0.7			G1/100
BL (0°-30°)	508.9	5.1	B2/1000		
BM (30°-60°)	1076.3	10.8	B2/2500		
BH (60°-80°)	804.0	8.1	B2/1000		G2/1000
BVH (80°-90°)	57.1	0.6			G1/100
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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8
2.5°	1489.6	1498.0	1495.4	1492.7	1492.7	1489.1	1488.5	1483.3	1479.1	1472.2
5°	1508.5	1517.5	1516.4	1518.5	1525.4	1527.0	1528.6	1525.4	1517.0	1508.5
7.5°	1491.7	1501.7	1504.9	1517.5	1538.6	1557.5	1571.7	1577.5	1569.6	1557.5
10°	1434.8	1445.9	1456.9	1487.0	1524.3	1569.1	1607.0	1629.6	1628.1	1616.5
12.5°	1319.5	1331.1	1354.8	1413.2	1481.7	1560.7	1631.2	1678.6	1694.9	1686.5
15°	1227.4	1237.4	1255.3	1315.3	1404.3	1524.3	1640.2	1732.3	1773.9	1769.2
17.5°	1224.7	1228.9	1240.0	1268.4	1336.9	1467.5	1630.7	1785.0	1864.5	1864.0
20°	1271.1	1272.7	1279.0	1284.8	1323.7	1424.3	1606.5	1828.7	1966.1	1966.1
22.5°	1335.3	1334.3	1340.6	1335.3	1354.3	1420.6	1591.2	1867.1	2079.3	2087.7
25°	1431.7	1426.4	1424.8	1412.7	1416.4	1454.8	1608.1	1910.8	2213.6	2231.0
27.5°	1560.1	1551.7	1545.9	1518.0	1508.5	1525.4	1659.7	1963.5	2363.1	2393.1
30°	1727.6	1712.3	1703.9	1655.4	1621.2	1623.9	1737.6	2033.5	2519.5	2567.9
32.5°	1956.1	1932.4	1909.8	1830.3	1767.6	1747.1	1838.2	2130.4	2689.1	2766.5
35°	2212.0	2193.0	2168.8	2046.1	1949.8	1902.4	1974.0	2265.7	2887.6	3010.2
37.5°	2458.4	2442.1	2453.7	2288.4	2164.1	2095.1	2152.0	2447.4	3132.4	3313.5
40°	2713.3	2700.6	2702.2	2544.3	2399.5	2322.1	2367.9	2675.4	3413.0	3674.2
42.5°	2990.2	2980.8	2949.2	2809.1	2646.4	2574.3	2616.4	2938.6	3714.2	4084.9
45°	3300.4	3294.6	3265.1	3104.5	2918.1	2837.0	2893.9	3229.3	4017.0	4471.4
47.5°	3568.4	3573.1	3569.4	3434.1	3240.9	3121.9	3189.8	3532.6	4298.7	4834.7
50°	3697.4	3722.1	3758.5	3716.3	3596.3	3475.2	3488.3	3825.3	4567.2	5175.4
52.5°	3630.0	3676.8	3775.8	3843.2	3889.6	3864.3	3829.0	4116.0	4820.0	5482.9
55°	3378.8	3444.6	3608.9	3771.6	4008.0	4191.8	4238.1	4438.2	5066.4	5753.5
57.5°	2921.3	3028.1	3175.6	3504.7	3902.7	4350.3	4715.2	4885.3	5327.6	6042.6
60°	2136.7	2279.9	2463.2	2952.8	3534.2	4265.5	5121.1	5571.9	5698.8	6417.0
62.5°	1367.4	1455.9	1624.4	2085.6	2753.8	3831.1	5245.4	6430.1	6328.0	7030.9
65°	936.2	993.1	1147.3	1406.4	1780.2	2851.8	4912.6	7073.6	7327.4	8004.0
67.5°	680.3	723.5	855.1	1082.0	1160.0	1687.6	3812.2	7044.1	8298.8	9006.5
70°	496.0	526.5	637.1	855.1	892.5	938.8	2309.4	5987.8	8277.8	9272.9
72.5°	367.5	388.6	462.8	663.4	722.4	634.0	1143.1	4351.9	7113.1	8387.3
75°	265.9	281.7	336.5	507.6	578.1	482.8	570.2	2543.2	4961.6	5899.9
77.5°	203.2	215.4	251.2	371.7	462.8	362.3	353.8	1170.0	2352.6	2364.2
80°	163.2	171.1	190.6	261.7	354.9	271.2	230.6	472.3	743.5	629.2
82.5°	120.1	133.2	161.1	183.8	253.8	186.9	140.6	238.5	282.8	243.3
85°	68.5	77.4	97.4	131.6	162.2	114.3	80.6	105.8	131.6	107.9
87.5°	24.2	31.6	34.2	51.6	70.6	47.4	31.1	30.5	43.2	32.1
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°
1454.8	0°	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8
1470.6	2.5°	1465.4	1462.7	1452.2	1438.0	1423.2	1409.0	1404.3	1394.3	1387.4	1383.8
1504.9	5°	1494.9	1486.4	1461.7	1430.1	1396.9	1361.1	1335.8	1312.7	1295.8	1280.0
1551.7	7.5°	1537.0	1522.2	1479.6	1424.3	1365.3	1305.8	1261.6	1227.9	1205.3	1190.5
1606.5	10°	1585.9	1563.3	1498.0	1415.3	1324.3	1239.0	1186.8	1157.9	1143.6	1135.8
1669.1	12.5°	1642.3	1610.2	1517.0	1394.8	1261.6	1164.2	1128.4	1120.0	1120.5	1121.0
1748.1	15°	1711.8	1667.0	1532.2	1350.1	1180.0	1106.8	1100.5	1114.2	1128.4	1135.2
1837.6	17.5°	1790.2	1727.1	1534.9	1276.3	1099.9	1069.9	1089.9	1119.4	1141.0	1150.5
1937.7	20°	1874.5	1788.1	1515.9	1172.1	1034.1	1039.9	1075.7	1113.6	1137.3	1149.4
2051.9	22.5°	1970.8	1853.4	1470.6	1062.6	980.4	1007.3	1049.4	1086.3	1111.0	1123.1
2186.2	25°	2080.9	1926.6	1399.5	970.4	934.1	970.4	1012.5	1043.1	1063.1	1074.1
2336.3	27.5°	2203.1	2003.0	1304.8	897.2	893.5	932.5	967.3	991.0	1001.5	1009.9
2495.8	30°	2325.7	2072.5	1190.0	841.9	858.3	895.1	919.9	930.4	933.6	935.1
2673.8	32.5°	2458.4	2132.5	1069.4	796.1	824.6	858.8	873.5	878.3	863.5	853.5
2889.7	35°	2619.0	2196.7	951.5	759.8	791.4	820.9	825.6	821.4	804.0	783.5
3160.3	37.5°	2817.5	2276.8	857.2	734.0	760.3	779.8	774.0	773.0	774.5	750.3
3485.7	40°	3060.8	2381.0	788.2	714.0	735.1	739.3	722.9	731.9	739.8	702.9
3842.7	42.5°	3330.9	2506.9	744.5	700.3	714.0	704.0	678.7	688.7	687.7	639.2
4201.3	45°	3606.3	2643.8	729.3	690.3	694.5	674.5	646.6	649.2	627.1	583.4
4545.1	47.5°	3880.1	2790.7	738.7	681.9	670.3	647.6	626.1	614.5	581.8	549.2
4874.7	50°	4148.6	2945.0	773.5	665.0	637.1	624.0	608.2	587.6	552.9	525.0
5186.4	52.5°	4397.7	3100.3	812.5	637.1	595.5	603.4	593.4	569.7	535.5	507.1
5481.3	55°	4633.6	3255.6	827.7	598.7	556.6	585.5	579.7	536.0	494.9	471.8
5789.9	57.5°	4890.5	3442.5	810.9	549.7	525.0	565.0	542.9	494.4	470.7	453.4
6191.6	60°	5246.5	3735.8	774.5	489.2	494.9	534.4	496.5	476.5	450.7	431.2
6794.0	62.5°	5837.8	4282.9	716.1	429.1	459.7	489.2	474.4	454.4	428.1	409.1
7823.9	65°	6711.8	5043.2	606.0	382.3	420.2	444.9	450.7	430.7	403.3	383.3
8726.4	67.5°	7449.0	5520.3	458.6	343.3	379.6	409.1	425.4	406.0	377.0	357.5
8937.5	70°	7408.4	5173.8	350.2	304.9	343.8	373.8	394.9	379.6	348.6	330.1
8118.2	72.5°	6580.2	4328.2	283.3	265.9	307.5	337.0	362.3	350.7	319.1	301.2
5947.3	75°	4834.2	3072.4	226.4	226.4	262.2	298.5	326.5	319.1	290.1	277.5
2496.9	77.5°	2037.7	1289.0	177.4	188.0	218.0	256.4	291.2	293.8	268.5	284.3
660.3	80°	541.8	355.4	135.3	148.0	171.1	211.7	253.3	252.2	224.8	210.1
245.4	82.5°	206.4	140.1	96.4	104.3	123.7	162.2	200.6	206.9	179.6	155.3
96.4	85°	79.5	60.0	59.5	62.7	72.1	107.4	151.6	156.9	135.3	114.8
26.9	87.5°	20.5	17.9	22.1	21.1	33.2	57.4	86.9	90.0	82.7	47.9
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°
1454.8
1388.0
1286.3
1193.7
1137.9
1122.1
1134.7
1152.6
1152.6
1126.3
1077.3
1013.1
938.8
856.7
784.5
751.9
704.0
638.7
585.0
549.2
522.9
507.6
469.7
451.8
430.2
409.1
384.4
358.0
331.7
301.2
273.8
258.0
195.3
155.3
118.5
68.5
0.0

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