

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: P847166

Luminaire Tested: **GLAN-SB3A-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847166
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-SB3A-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11451 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

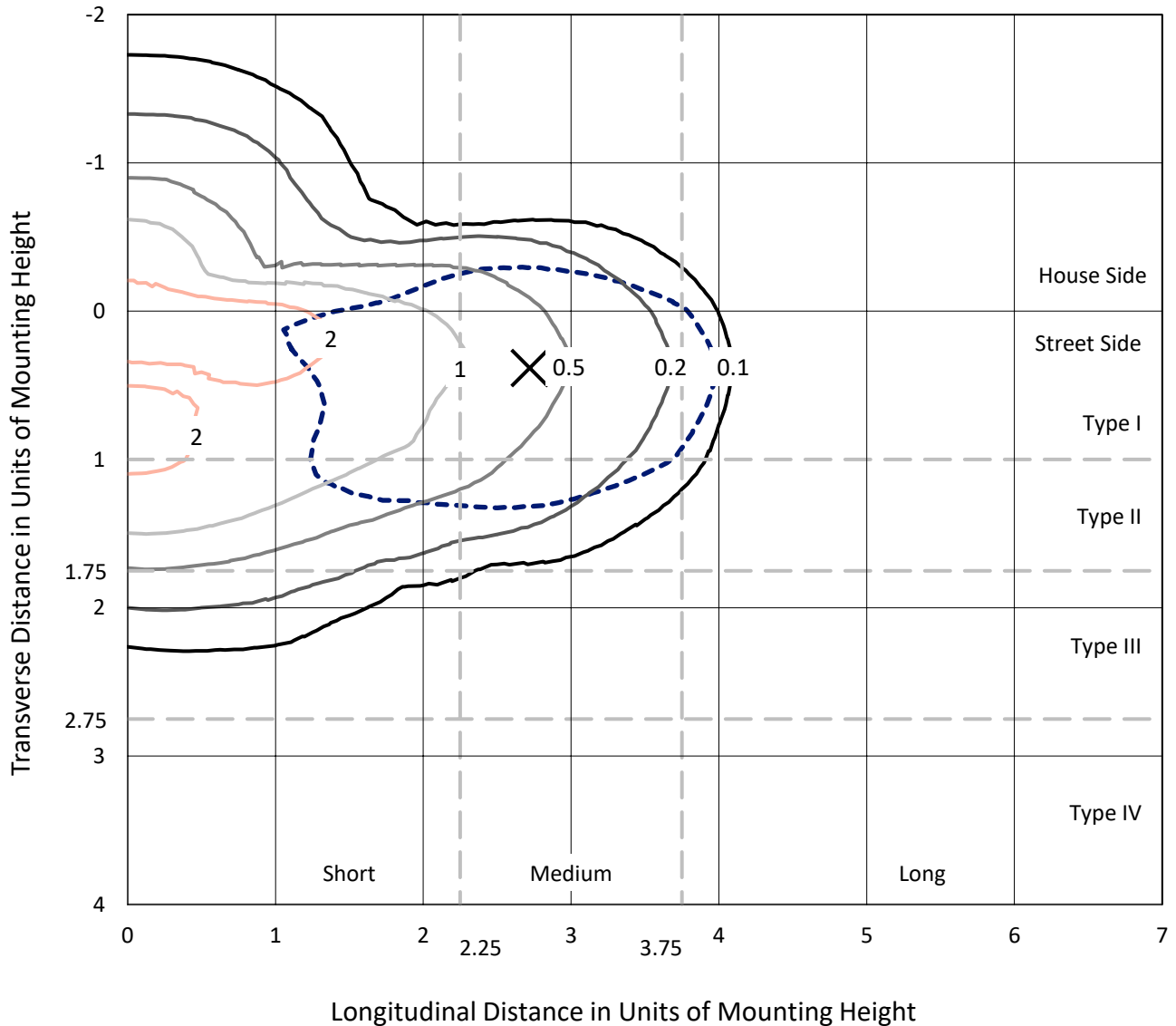
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

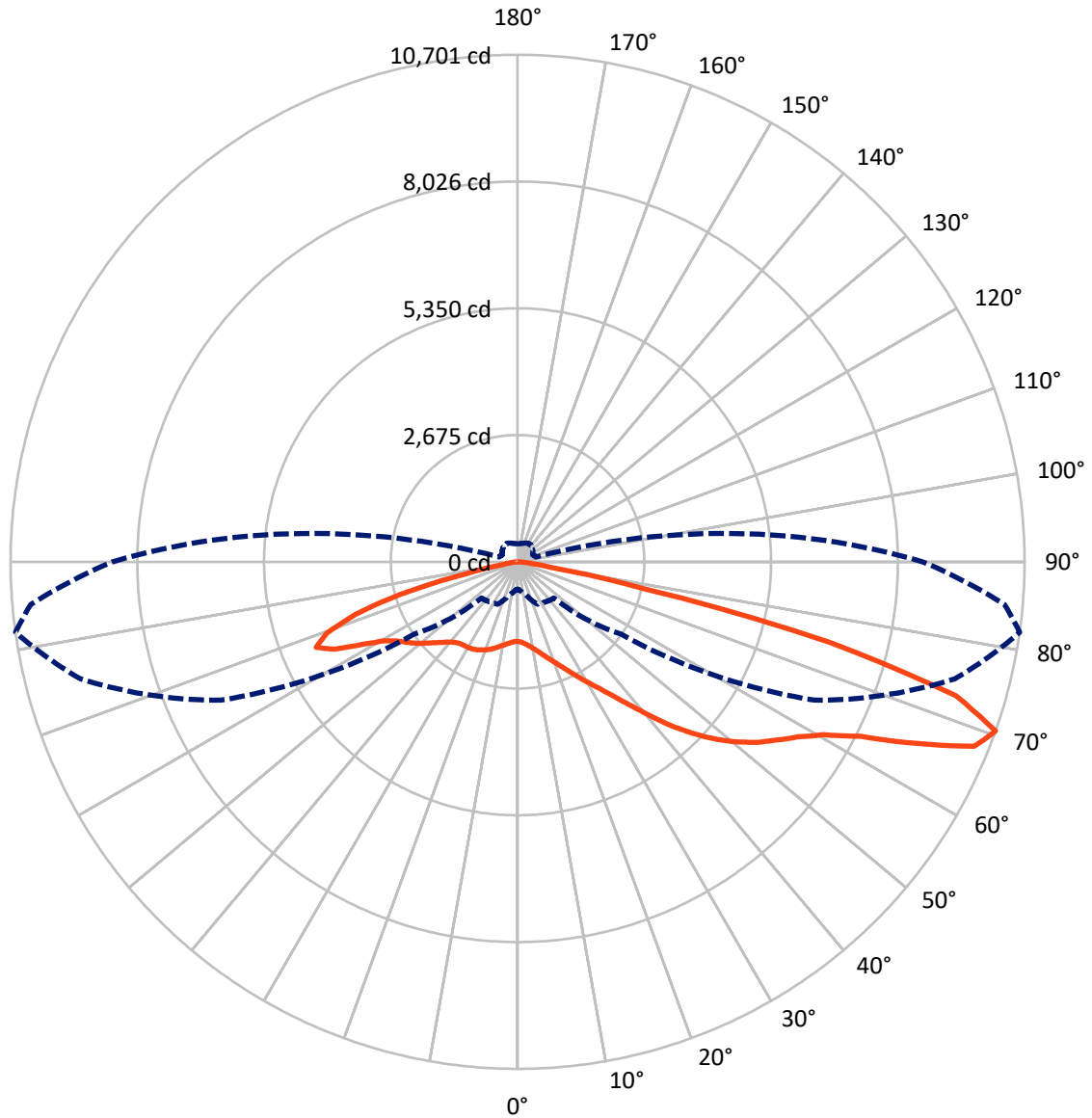
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	2823.0	0.0	2823.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	8628.0	0.0	8628.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	11451.0	0.0	11451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	1.4
10°-20°	455.4	4.0
20°-30°	761.9	6.7
30°-40°	1190.2	10.4
40°-50°	1895.6	16.6
50°-60°	2638.0	23.0
60°-70°	2759.4	24.1
70°-80°	1442.2	12.6
80°-90°	149.8	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°	11451.0	100.0
0°-180°	11451.0	100.0

Coefficient of Utilization



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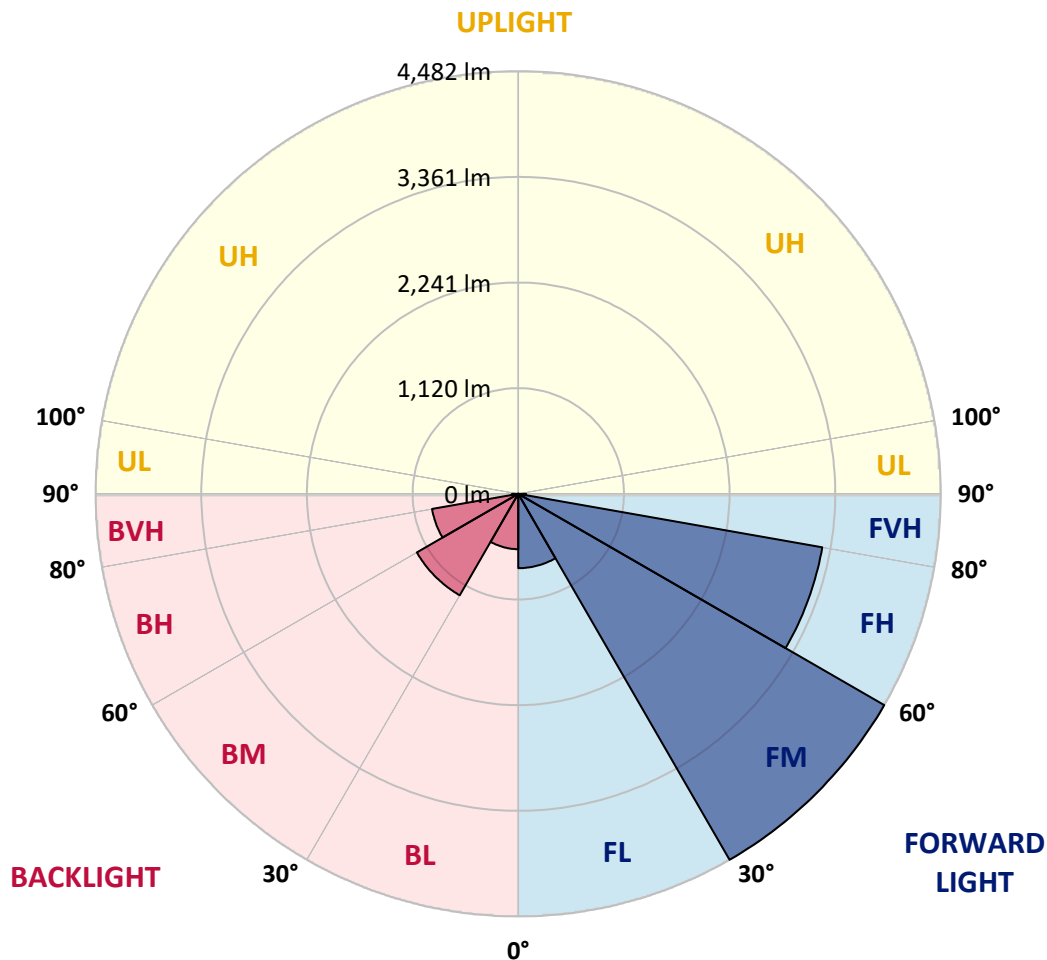
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	788.5	6.9			
FM (30°-60°)	4481.8	39.1			
FH (60°-80°)	3273.9	28.6			G2/5000
FVH (80°-90°)	83.8	0.7			G1/100
BL (0°-30°)	587.3	5.1	B2/1000		
BM (30°-60°)	1242.0	10.8	B2/2500		
BH (60°-80°)	927.8	8.1	B2/1000		G2/1000
BVH (80°-90°)	65.9	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°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9
2.5°	1719.0	1728.7	1725.6	1722.6	1722.6	1718.4	1717.7	1711.7	1706.8	1698.9
5°	1740.8	1751.2	1750.0	1752.4	1760.3	1762.1	1763.9	1760.3	1750.6	1740.8
7.5°	1721.4	1732.9	1736.6	1751.2	1775.5	1797.3	1813.8	1820.4	1811.3	1797.3
10°	1655.8	1668.5	1681.3	1715.9	1759.1	1810.7	1854.5	1880.6	1878.8	1865.4
12.5°	1522.7	1536.1	1563.4	1630.9	1709.8	1801.0	1882.4	1937.1	1955.9	1946.2
15°	1416.4	1427.9	1448.6	1517.8	1620.5	1759.1	1892.7	1999.1	2047.1	2041.6
17.5°	1413.3	1418.2	1430.9	1463.8	1542.8	1693.4	1881.8	2059.8	2151.6	2151.0
20°	1466.8	1468.6	1475.9	1482.6	1527.6	1643.6	1853.9	2110.3	2268.9	2268.9
22.5°	1540.9	1539.7	1547.0	1540.9	1562.8	1639.4	1836.2	2154.6	2399.5	2409.2
25°	1652.1	1646.0	1644.2	1630.3	1634.5	1678.9	1855.7	2205.1	2554.4	2574.5
27.5°	1800.4	1790.7	1784.0	1751.8	1740.8	1760.3	1915.2	2265.8	2727.0	2761.6
30°	1993.6	1976.0	1966.3	1910.4	1870.9	1873.9	2005.2	2346.6	2907.5	2963.4
32.5°	2257.3	2230.0	2203.8	2112.1	2039.8	2016.1	2121.2	2458.4	3103.1	3192.4
35°	2552.6	2530.7	2502.8	2361.2	2250.0	2195.3	2278.0	2614.6	3332.2	3473.8
37.5°	2837.0	2818.2	2831.5	2640.7	2497.3	2417.7	2483.4	2824.2	3614.7	3823.8
40°	3131.1	3116.5	3118.3	2936.0	2768.9	2679.6	2732.5	3087.3	3938.6	4240.0
42.5°	3450.7	3439.7	3403.3	3241.7	3053.9	2970.7	3019.3	3391.1	4286.2	4713.9
45°	3808.6	3801.9	3767.9	3582.5	3367.4	3273.9	3339.5	3726.5	4635.5	5159.9
47.5°	4117.9	4123.3	4119.1	3962.9	3739.9	3602.6	3681.0	4076.5	4960.6	5579.2
50°	4266.7	4295.3	4337.2	4288.6	4150.1	4010.3	4025.5	4414.4	5270.5	5972.3
52.5°	4188.9	4243.0	4357.3	4435.0	4488.5	4459.3	4418.6	4749.8	5562.2	6327.2
55°	3899.1	3975.1	4164.6	4352.4	4625.2	4837.3	4890.8	5121.6	5846.5	6639.5
57.5°	3371.1	3494.4	3664.6	4044.3	4503.7	5020.2	5441.3	5637.5	6147.9	6973.1
60°	2465.7	2631.0	2842.5	3407.5	4078.4	4922.3	5909.7	6429.9	6576.3	7405.1
62.5°	1578.0	1680.1	1874.5	2406.8	3177.9	4421.1	6053.1	7420.3	7302.4	8113.6
65°	1080.4	1146.0	1324.0	1623.0	2054.4	3290.9	5669.1	8162.8	8455.7	9236.5
67.5°	785.0	834.9	986.8	1248.7	1338.6	1947.4	4399.2	8128.8	9576.7	10393.4
70°	572.4	607.6	735.2	986.8	1029.9	1083.4	2665.0	6909.9	9552.4	10700.8
72.5°	424.1	448.4	534.1	765.6	833.7	731.6	1319.1	5022.0	8208.4	9678.8
75°	306.8	325.1	388.3	585.7	667.2	557.2	658.1	2934.8	5725.6	6808.4
77.5°	234.5	248.5	289.8	429.0	534.1	418.0	408.3	1350.1	2714.9	2728.2
80°	188.4	197.5	220.0	302.0	409.5	312.9	266.1	545.0	858.0	726.1
82.5°	138.5	153.7	185.9	212.1	292.9	215.7	162.2	275.3	326.3	280.7
85°	79.0	89.3	112.4	151.9	187.1	131.9	93.0	122.1	151.9	124.6
87.5°	28.0	36.5	39.5	59.5	81.4	54.7	35.8	35.2	49.8	37.1
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°
1678.9	0°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9
1697.1	2.5°	1691.0	1688.0	1675.8	1659.4	1642.4	1626.0	1620.5	1609.0	1601.1	1596.8
1736.6	5°	1725.0	1715.3	1686.8	1650.3	1612.0	1570.7	1541.5	1514.8	1495.4	1477.1
1790.7	7.5°	1773.6	1756.6	1707.4	1643.6	1575.6	1506.9	1455.9	1417.0	1390.8	1373.8
1853.9	10°	1830.2	1804.0	1728.7	1633.3	1528.2	1429.7	1369.6	1336.2	1319.8	1310.6
1926.2	12.5°	1895.2	1858.1	1750.6	1609.6	1455.9	1343.5	1302.1	1292.4	1293.0	1293.6
2017.3	15°	1975.4	1923.7	1768.2	1557.9	1361.7	1277.2	1269.9	1285.7	1302.1	1310.0
2120.6	17.5°	2065.9	1993.0	1771.2	1472.9	1269.3	1234.7	1257.8	1291.8	1316.7	1327.7
2236.0	20°	2163.1	2063.5	1749.3	1352.6	1193.4	1200.1	1241.4	1285.1	1312.5	1326.4
2367.9	22.5°	2274.3	2138.8	1697.1	1226.2	1131.4	1162.4	1211.0	1253.5	1282.1	1296.1
2522.8	25°	2401.3	2223.3	1615.1	1119.8	1077.9	1119.8	1168.5	1203.7	1226.8	1239.5
2696.0	27.5°	2542.3	2311.4	1505.7	1035.4	1031.1	1076.1	1116.2	1143.5	1155.7	1165.4
2880.1	30°	2683.9	2391.6	1373.2	971.6	990.4	1033.0	1061.5	1073.7	1077.3	1079.1
3085.5	32.5°	2837.0	2460.9	1234.1	918.7	951.5	991.0	1008.0	1013.5	996.5	985.0
3334.6	35°	3022.3	2535.0	1098.0	876.8	913.3	947.3	952.8	947.9	927.8	904.1
3646.9	37.5°	3251.4	2627.4	989.2	847.0	877.4	899.9	893.2	892.0	893.8	865.9
4022.5	40°	3532.1	2747.7	909.6	823.9	848.2	853.1	834.3	844.6	853.7	811.2
4434.4	42.5°	3843.8	2892.9	859.2	808.1	823.9	812.4	783.2	794.8	793.6	737.7
4848.2	45°	4161.6	3050.9	841.6	796.6	801.5	778.4	746.2	749.2	723.7	673.2
5245.0	47.5°	4477.6	3220.4	852.5	786.9	773.5	747.4	722.5	709.1	671.4	633.7
5625.4	50°	4787.5	3398.4	892.6	767.4	735.2	720.0	701.8	678.1	638.0	605.8
5985.1	52.5°	5074.9	3577.7	937.6	735.2	687.2	696.3	684.8	657.4	618.0	585.1
6325.3	55°	5347.1	3756.9	955.2	690.9	642.3	675.7	669.0	618.6	571.2	544.4
6681.4	57.5°	5643.6	3972.6	935.7	634.4	605.8	652.0	626.5	570.6	543.2	523.2
7145.0	60°	6054.3	4311.1	893.8	564.5	571.2	616.7	573.0	549.9	520.1	497.6
7840.1	62.5°	6736.7	4942.4	826.4	495.2	530.5	564.5	547.5	524.4	494.0	472.1
9028.7	65°	7745.4	5819.8	699.4	441.1	484.9	513.4	520.1	497.0	465.4	442.3
10070.1	67.5°	8596.0	6370.3	529.2	396.2	438.1	472.1	491.0	468.5	435.1	412.6
10313.8	70°	8549.2	5970.5	404.1	351.8	396.8	431.4	455.7	438.1	402.2	381.0
9368.3	72.5°	7593.5	4994.7	326.9	306.8	354.9	388.9	418.0	404.7	368.2	347.6
6863.1	75°	5578.6	3545.5	261.3	261.3	302.6	344.5	376.7	368.2	334.8	320.2
2881.3	77.5°	2351.5	1487.5	204.8	216.9	251.6	295.9	336.0	339.1	309.9	328.1
762.0	80°	625.2	410.1	156.2	170.7	197.5	244.3	292.3	291.1	259.5	242.4
283.2	82.5°	238.2	161.6	111.2	120.3	142.8	187.1	231.5	238.8	207.2	179.2
111.2	85°	91.8	69.3	68.7	72.3	83.2	124.0	175.0	181.1	156.2	132.5
31.0	87.5°	23.7	20.7	25.5	24.3	38.3	66.2	100.3	103.9	95.4	55.3
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°
1678.9
1601.7
1484.4
1377.5
1313.1
1294.8
1309.4
1330.1
1330.1
1299.7
1243.2
1169.1
1083.4
988.6
905.4
867.7
812.4
737.0
675.1
633.7
603.4
585.7
542.0
521.3
496.4
472.1
443.6
413.2
382.8
347.6
316.0
297.7
225.4
179.2
136.7
79.0
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