

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: P846798

Luminaire Tested: **GLAN-SB2C-830-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846798
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-SB2C-830-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12869 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

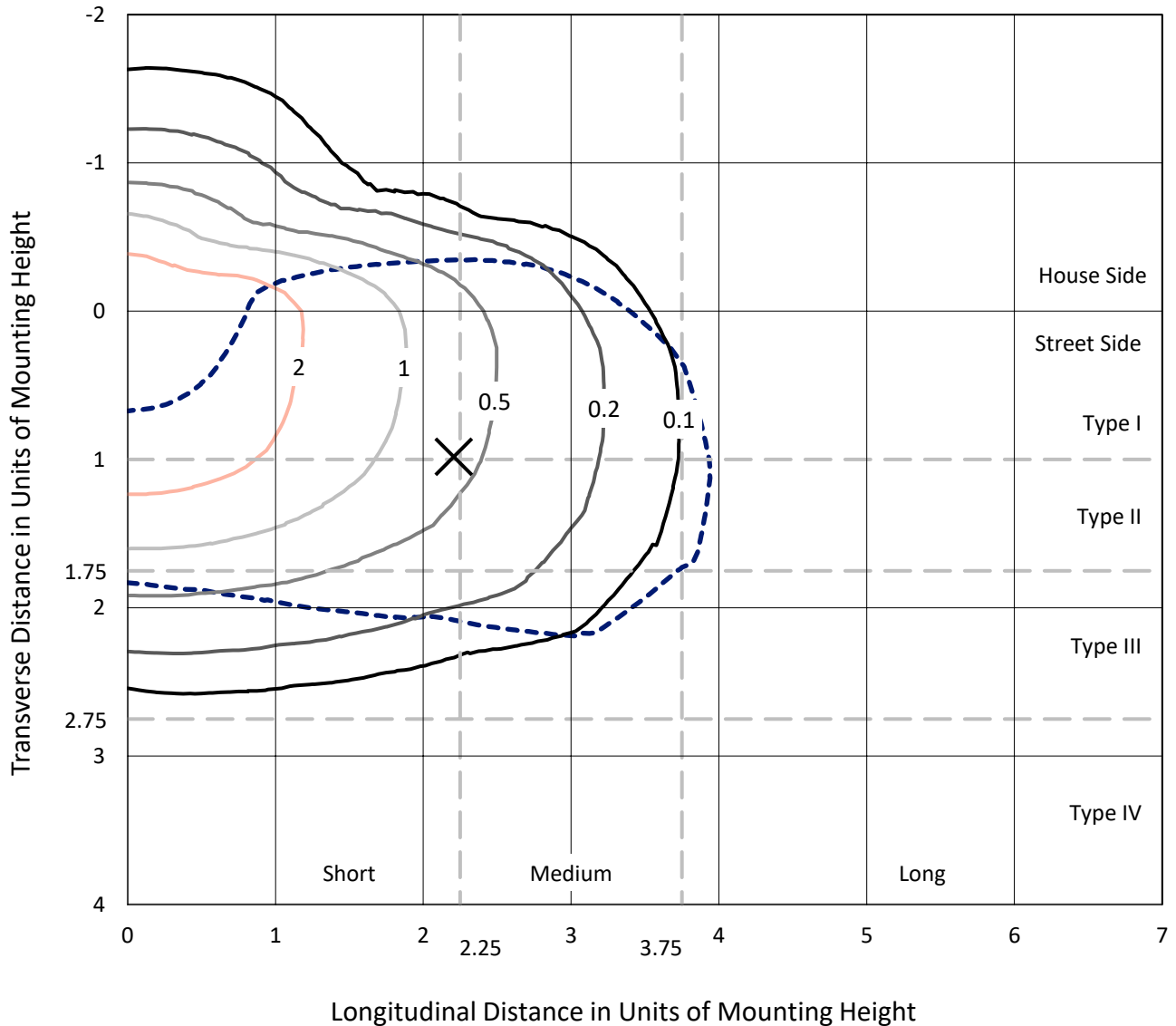
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

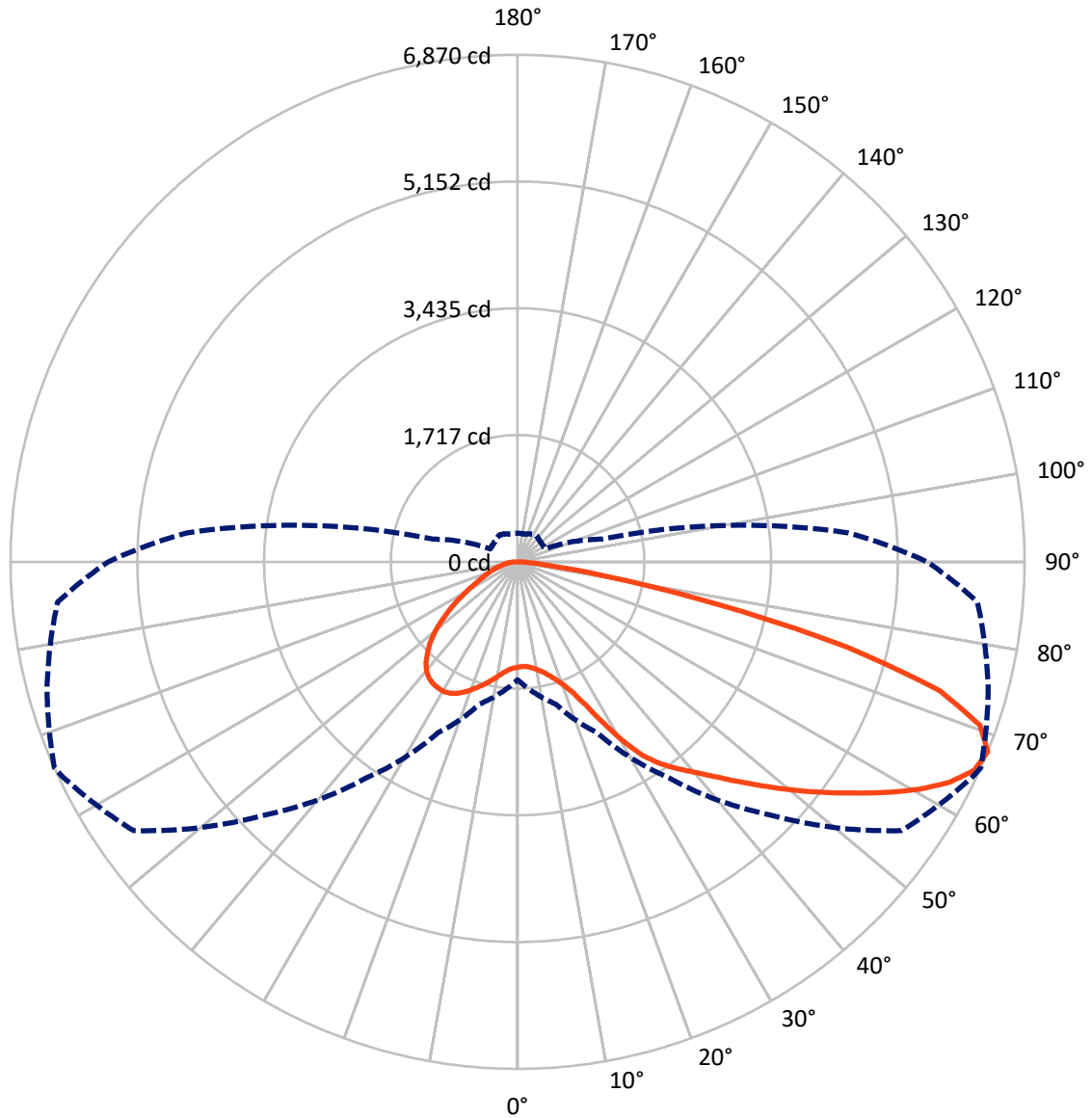
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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
House Side	Lumens	3199.8	0.0	3199.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	9669.2	0.0	9669.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	12869.0	0.0	12869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	1.1
10°-20°	467.5	3.6
20°-30°	901.2	7.0
30°-40°	1580.1	12.3
40°-50°	2349.1	18.3
50°-60°	2977.7	23.1
60°-70°	2913.6	22.6
70°-80°	1389.8	10.8
80°-90°	148.5	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°	12869.0	100.0
0°-180°	12869.0	100.0

Coefficient of Utilization



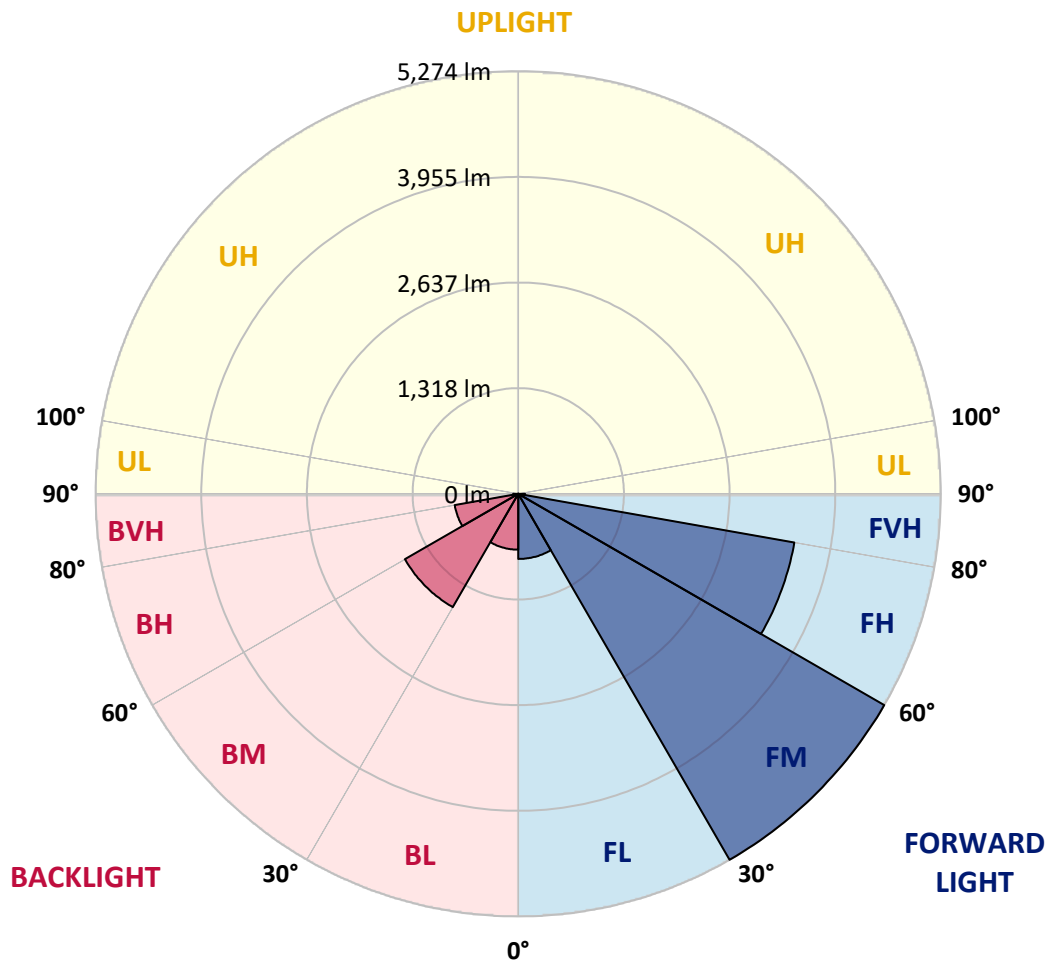
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	813.2	6.3			
FM (30°-60°)	5273.6	41.0			
FH (60°-80°)	3498.1	27.2			G2/5000
FVH (80°-90°)	84.2	0.7			G1/100
BL (0°-30°)	697.0	5.4	B2/1000		
BM (30°-60°)	1633.2	12.7	B2/2500		
BH (60°-80°)	805.2	6.3	B2/1000		G2/1000
BVH (80°-90°)	64.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1427.3	1427.3	1427.3	1427.3	1427.3	1427.3	1427.3	1427.3	1427.3	1427.3
2.5°	1412.5	1420.6	1418.6	1415.2	1414.5	1415.8	1417.9	1419.9	1419.2	1422.6
5°	1408.4	1416.5	1415.8	1415.8	1418.6	1424.0	1427.3	1430.7	1427.3	1431.4
7.5°	1411.1	1417.2	1419.9	1422.6	1429.4	1439.5	1447.6	1455.1	1451.0	1455.7
10°	1445.6	1450.3	1453.0	1453.0	1457.8	1469.3	1477.4	1490.9	1487.5	1495.0
12.5°	1508.5	1513.2	1513.2	1510.5	1513.9	1521.3	1524.0	1538.9	1532.8	1545.0
15°	1585.6	1595.0	1587.6	1582.9	1584.2	1591.6	1591.0	1602.5	1596.4	1606.5
17.5°	1670.8	1682.9	1670.8	1670.1	1667.4	1675.5	1676.2	1686.3	1675.5	1682.9
20°	1771.5	1788.4	1778.3	1781.6	1775.6	1778.9	1782.3	1797.2	1780.3	1785.7
22.5°	1913.5	1933.8	1923.0	1935.8	1931.7	1929.0	1928.4	1954.7	1928.4	1930.4
25°	2120.4	2144.7	2125.8	2143.4	2143.4	2152.2	2162.3	2196.1	2152.2	2139.3
27.5°	2426.0	2450.3	2413.2	2424.0	2420.6	2442.2	2431.4	2515.3	2467.9	2447.0
30°	2793.8	2837.1	2766.8	2764.1	2760.7	2795.2	2810.7	2866.2	2818.2	2797.2
32.5°	3191.4	3236.7	3152.9	3128.5	3115.7	3136.6	3123.8	3168.4	3135.3	3102.8
35°	3612.0	3656.6	3576.8	3529.5	3478.1	3434.1	3388.2	3399.7	3368.6	3319.2
37.5°	4009.5	4091.4	4006.8	3956.1	3861.5	3775.6	3647.1	3593.7	3564.6	3519.3
40°	4414.6	4461.2	4397.0	4353.7	4250.9	4116.4	3910.8	3797.9	3758.7	3714.7
42.5°	4712.7	4757.4	4722.9	4693.1	4612.7	4456.5	4190.7	4049.4	3992.6	3943.3
45°	4949.4	4982.5	4960.9	4971.7	4937.2	4785.8	4480.8	4319.2	4260.4	4200.2
47.5°	5044.7	5079.9	5114.4	5178.6	5237.4	5125.9	4792.5	4611.3	4549.1	4487.6
50°	5033.9	5069.7	5169.8	5306.4	5488.9	5451.8	5121.1	4922.3	4864.9	4794.5
52.5°	4947.4	4987.9	5116.4	5343.6	5634.3	5695.8	5455.8	5243.5	5189.4	5105.6
55°	4720.2	4744.5	4937.2	5259.1	5668.8	5866.2	5783.7	5585.6	5531.5	5414.6
57.5°	4298.9	4334.1	4614.7	5031.2	5582.3	5981.9	6071.8	5945.3	5893.3	5724.9
60°	3749.2	3805.3	4126.5	4648.5	5361.8	5981.2	6333.5	6299.0	6255.7	6030.5
62.5°	3127.2	3192.1	3501.1	4107.6	4976.4	5811.5	6497.1	6595.1	6572.8	6312.5
65°	2401.7	2446.3	2753.9	3407.8	4376.7	5447.0	6516.0	6797.3	6801.3	6526.8
67.5°	1599.1	1727.6	1994.6	2557.2	3573.4	4851.3	6349.7	6830.4	6869.6	6600.5
70°	780.3	949.3	1211.0	1662.0	2557.2	3937.9	5914.9	6558.6	6645.8	6385.5
72.5°	323.9	378.6	521.3	820.2	1467.9	2657.2	5041.3	5821.6	5983.2	5658.0
75°	218.4	236.7	298.2	420.6	668.7	1310.4	3635.6	4340.9	4601.2	4273.2
77.5°	168.4	179.9	217.0	294.1	397.6	495.6	1945.9	2616.0	2750.6	2546.4
80°	132.5	141.3	162.3	214.3	282.0	265.0	663.3	1185.3	1263.0	1059.5
82.5°	114.9	118.3	116.3	145.4	187.3	154.8	217.7	437.5	482.8	350.2
85°	83.2	92.6	96.7	89.9	99.4	78.4	89.3	154.8	170.4	152.1
87.5°	33.8	50.0	61.5	58.1	36.5	22.3	27.7	45.3	52.1	56.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846798
 CATALOG NUMBER: GLAN-SB2C-830-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1427.3	0°	1427.3	1427.3	1427.3	1427.3	1427.3	1427.3	1427.3	1427.3	1427.3	1427.3
1428.0	2.5°	1428.7	1433.4	1436.8	1440.9	1443.6	1447.6	1455.7	1460.5	1461.1	1464.5
1438.8	5°	1441.5	1448.3	1455.7	1466.6	1478.7	1488.9	1504.4	1515.2	1519.3	1522.7
1465.2	7.5°	1469.3	1478.7	1492.3	1511.2	1528.8	1542.3	1561.2	1574.1	1586.9	1591.6
1507.1	10°	1510.5	1524.0	1543.6	1569.3	1588.3	1605.8	1625.5	1636.3	1649.1	1654.5
1557.2	12.5°	1561.9	1576.1	1601.8	1637.6	1655.2	1667.4	1674.1	1671.4	1674.1	1678.9
1617.3	15°	1620.7	1636.3	1665.3	1703.9	1716.1	1705.2	1690.4	1676.8	1674.8	1676.2
1690.4	17.5°	1690.4	1701.9	1735.7	1768.1	1759.3	1714.7	1682.2	1660.6	1649.8	1646.4
1783.7	20°	1787.7	1787.7	1815.4	1835.7	1776.9	1701.2	1650.5	1615.3	1593.0	1583.5
1910.8	22.5°	1906.1	1895.2	1912.8	1898.6	1773.5	1663.3	1593.0	1532.1	1498.3	1484.8
2088.6	25°	2056.2	2043.3	2038.6	1950.7	1749.2	1603.1	1488.9	1415.2	1385.4	1378.0
2344.9	27.5°	2282.7	2250.2	2188.7	1979.1	1704.6	1508.5	1367.2	1298.9	1282.0	1282.6
2674.2	30°	2584.2	2519.3	2368.5	1983.8	1631.5	1374.6	1242.8	1194.1	1186.0	1189.3
2950.7	32.5°	2863.5	2801.9	2552.4	1962.2	1519.3	1243.4	1131.2	1098.7	1086.6	1090.6
3161.7	35°	3082.5	3065.6	2722.8	1931.7	1381.4	1120.4	1031.1	1003.4	979.7	974.3
3360.4	37.5°	3289.4	3282.7	2850.6	1889.1	1244.8	1033.1	950.7	914.1	879.7	860.7
3580.2	40°	3516.6	3509.9	2934.5	1823.6	1123.8	957.4	878.3	830.3	787.7	753.2
3829.0	42.5°	3772.2	3732.3	2974.4	1729.6	1021.0	893.2	819.5	754.6	698.5	666.7
4110.3	45°	4051.5	3961.5	2973.7	1609.9	934.4	834.4	756.6	664.7	612.6	582.8
4399.0	47.5°	4347.6	4180.6	2937.2	1477.4	850.6	769.5	659.2	588.9	554.4	536.2
4712.7	50°	4653.2	4385.5	2875.0	1325.2	764.7	695.8	598.4	550.4	524.0	507.1
5023.8	52.5°	4940.6	4571.4	2799.9	1152.8	677.5	624.1	571.3	534.2	506.4	487.5
5325.3	55°	5207.7	4731.7	2693.8	976.4	606.5	576.1	558.5	527.4	495.6	473.3
5631.6	57.5°	5445.0	4835.8	2510.5	810.7	555.8	542.9	545.0	515.9	479.4	460.5
5933.2	60°	5642.4	4912.2	2239.4	657.2	514.5	510.5	524.0	494.3	451.7	430.0
6188.1	62.5°	5760.8	4910.8	1906.7	538.2	479.4	480.7	496.3	467.2	423.9	403.7
6321.3	65°	5750.6	4790.5	1541.6	460.5	445.6	446.9	467.2	437.5	401.0	388.8
6254.3	67.5°	5547.1	4497.0	1182.6	409.7	408.4	414.5	438.1	417.2	386.8	385.4
5855.4	70°	4996.0	3887.8	851.9	369.2	369.9	378.6	409.7	404.3	379.3	382.0
4923.0	72.5°	4006.2	2964.2	572.0	326.6	327.3	341.5	382.7	394.2	371.9	407.7
3493.0	75°	2668.1	1848.6	367.8	281.3	282.0	300.2	359.0	374.6	351.6	406.4
1817.5	77.5°	1282.0	831.0	266.4	236.7	236.7	253.6	310.4	335.4	299.5	315.8
584.2	80°	442.9	312.4	209.6	190.7	186.6	198.1	261.7	290.7	258.3	238.0
190.7	82.5°	174.4	162.3	168.4	148.1	134.6	142.0	203.5	240.0	190.0	171.7
107.5	85°	100.1	105.5	119.0	98.0	77.8	87.2	149.4	172.4	143.3	126.4
35.2	87.5°	27.0	37.2	54.8	50.7	35.2	37.2	71.0	95.3	82.5	63.6
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°
1427.3
1463.9
1522.0
1592.3
1657.2
1680.2
1680.9
1651.1
1581.5
1482.8
1379.3
1284.7
1200.8
1096.0
978.4
861.4
756.6
668.7
581.5
532.1
501.0
479.4
464.5
448.3
420.6
397.6
388.1
387.4
381.3
413.1
409.7
289.4
223.1
171.1
129.1
65.6
0.0

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