

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: P847318

Luminaire Tested: **GLAN-SB3B-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847318
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-SB3B-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13998 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

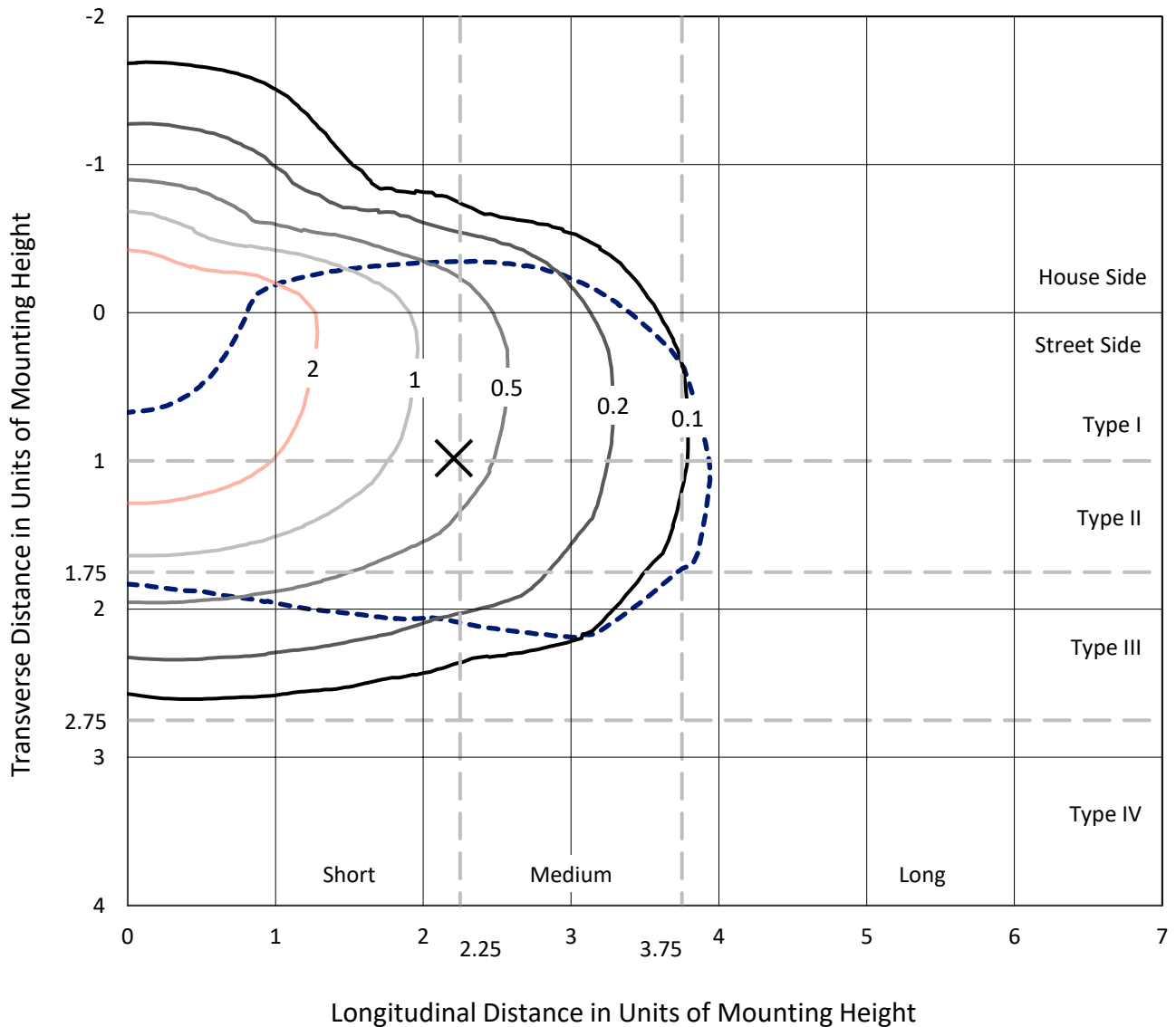
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

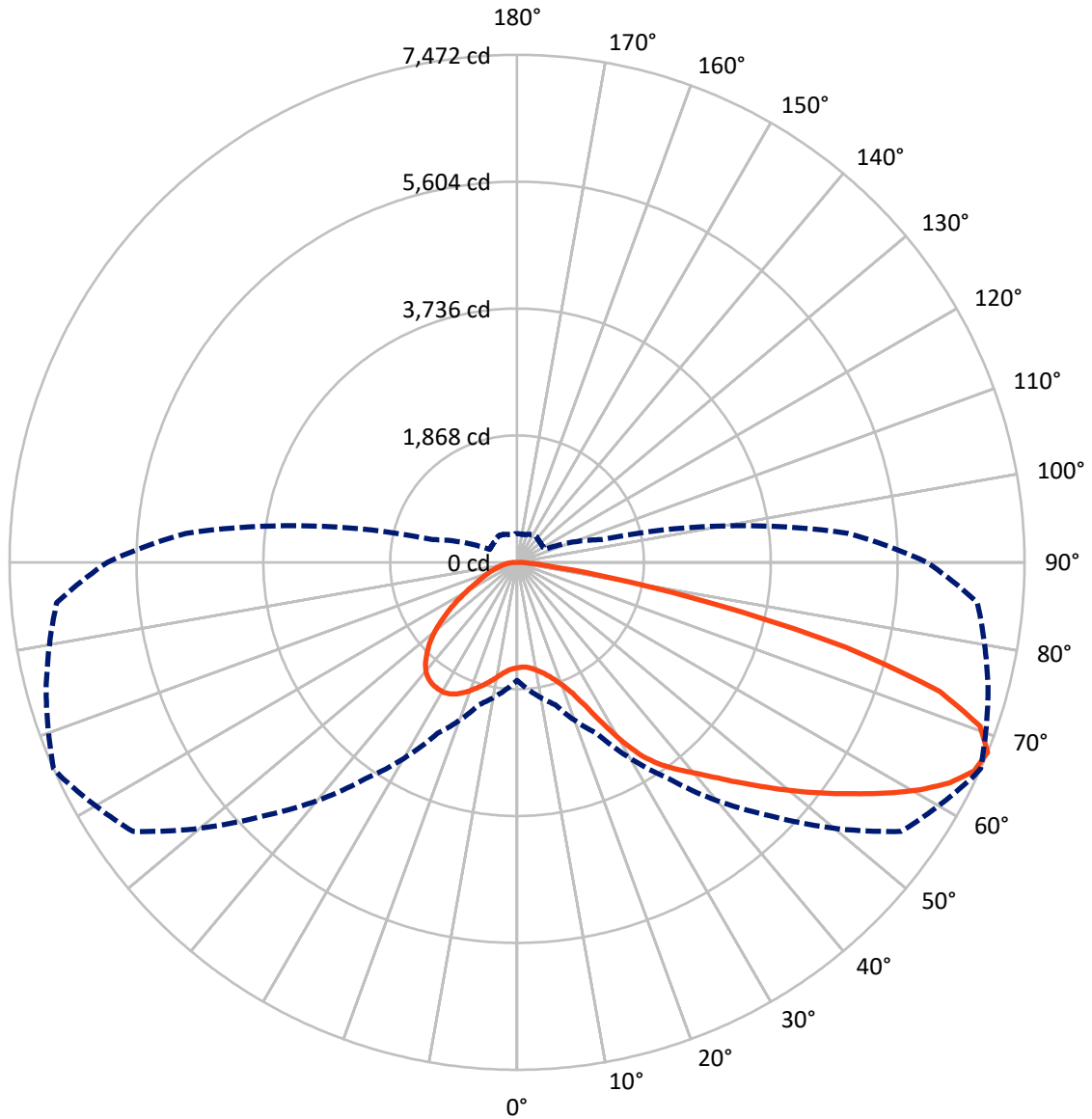
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	3480.6	0.0	3480.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	10517.4	0.0	10517.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	13998.0	0.0	13998.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	1.1
10°-20°	508.6	3.6
20°-30°	980.2	7.0
30°-40°	1718.7	12.3
40°-50°	2555.2	18.3
50°-60°	3238.9	23.1
60°-70°	3169.2	22.6
70°-80°	1511.7	10.8
80°-90°	161.6	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°	13998.0	100.0
0°-180°	13998.0	100.0

Coefficient of Utilization



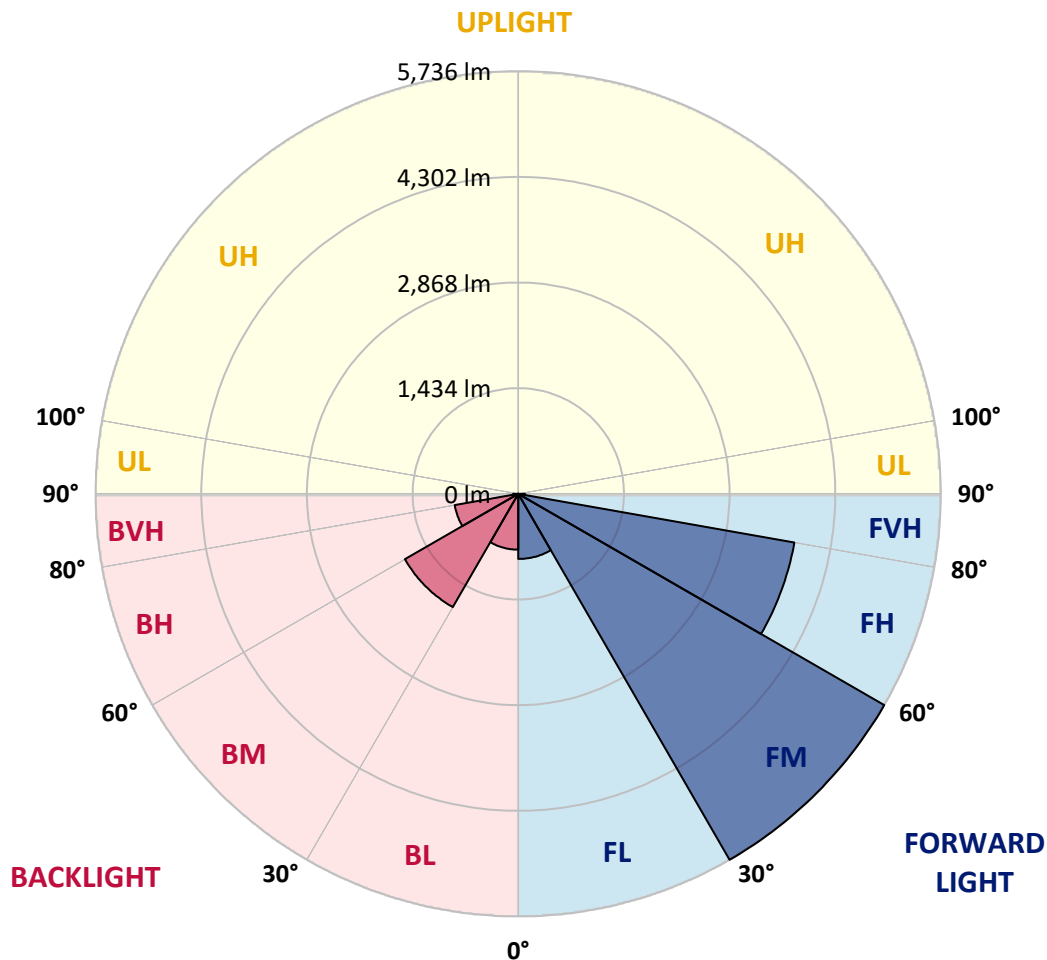
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.5	6.3			
FM (30°-60°)	5736.3	41.0			
FH (60°-80°)	3805.0	27.2			G2/5000
FVH (80°-90°)	91.6	0.7			G1/100
BL (0°-30°)	758.2	5.4	B2/1000		
BM (30°-60°)	1776.5	12.7	B2/2500		
BH (60°-80°)	875.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	70.0	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°	1552.6	1552.6	1552.6	1552.6	1552.6	1552.6	1552.6	1552.6	1552.6	1552.6
2.5°	1536.4	1545.2	1543.0	1539.3	1538.6	1540.1	1542.3	1544.5	1543.7	1547.4
5°	1532.0	1540.8	1540.1	1540.1	1543.0	1548.9	1552.6	1556.2	1552.6	1557.0
7.5°	1534.9	1541.5	1544.5	1547.4	1554.8	1565.8	1574.6	1582.7	1578.3	1583.5
10°	1572.4	1577.6	1580.5	1580.5	1585.7	1598.2	1607.0	1621.7	1618.0	1626.1
12.5°	1640.8	1646.0	1646.0	1643.0	1646.7	1654.8	1657.7	1673.9	1667.3	1680.5
15°	1724.7	1735.0	1726.9	1721.7	1723.2	1731.3	1730.5	1743.0	1736.4	1747.5
17.5°	1817.3	1830.6	1817.3	1816.6	1813.7	1822.5	1823.2	1834.2	1822.5	1830.6
20°	1926.9	1945.3	1934.3	1937.9	1931.3	1935.0	1938.7	1954.9	1936.5	1942.4
22.5°	2081.4	2103.4	2091.7	2105.6	2101.2	2098.3	2097.5	2126.2	2097.5	2099.7
25°	2306.4	2332.9	2312.3	2331.4	2331.4	2341.0	2352.0	2388.8	2341.0	2327.0
27.5°	2638.8	2665.3	2624.9	2636.6	2633.0	2656.5	2644.7	2735.9	2684.4	2661.6
30°	3038.9	3086.0	3009.5	3006.6	3002.9	3040.4	3057.3	3117.6	3065.4	3042.6
32.5°	3471.4	3520.7	3429.5	3403.0	3389.0	3411.8	3397.8	3446.4	3410.3	3375.0
35°	3928.8	3977.4	3890.6	3839.1	3783.2	3735.4	3685.4	3697.9	3664.1	3610.4
37.5°	4361.3	4450.3	4358.4	4303.2	4200.2	4106.8	3967.1	3909.0	3877.4	3828.1
40°	4801.8	4852.6	4782.7	4735.6	4623.9	4477.5	4253.9	4131.1	4088.4	4040.6
42.5°	5126.2	5174.7	5137.2	5104.9	5017.3	4847.4	4558.4	4404.7	4342.9	4289.2
45°	5383.6	5419.6	5396.1	5407.9	5370.4	5205.6	4873.9	4698.1	4634.2	4568.7
47.5°	5487.3	5525.5	5563.0	5632.9	5696.9	5575.5	5213.0	5015.9	4948.2	4881.3
50°	5475.5	5514.5	5623.4	5771.9	5970.5	5930.0	5570.4	5354.2	5291.7	5215.2
52.5°	5381.4	5425.5	5565.3	5812.4	6128.6	6195.5	5934.5	5703.5	5644.7	5553.5
55°	5134.3	5160.7	5370.4	5720.4	6166.1	6380.9	6291.2	6075.7	6016.8	5889.6
57.5°	4676.1	4714.3	5019.5	5472.6	6072.0	6506.6	6604.5	6466.9	6410.3	6227.2
60°	4078.1	4139.2	4488.5	5056.3	5832.2	6505.9	6889.1	6851.6	6804.5	6559.6
62.5°	3401.5	3472.1	3808.2	4467.9	5413.0	6321.3	7067.1	7173.7	7149.4	6866.3
65°	2612.4	2660.9	2995.5	3706.7	4760.7	5924.9	7087.7	7393.6	7398.0	7099.4
67.5°	1739.4	1879.1	2169.6	2781.5	3886.9	5276.9	6906.7	7429.7	7472.3	7179.6
70°	848.7	1032.6	1317.2	1807.8	2781.5	4283.3	6433.8	7134.0	7228.9	6945.7
72.5°	352.3	411.9	567.0	892.1	1596.7	2890.4	5483.6	6332.3	6508.1	6154.4
75°	237.6	257.4	324.3	457.5	727.4	1425.3	3954.6	4721.7	5004.8	4648.1
77.5°	183.1	195.6	236.1	319.9	432.5	539.1	2116.7	2845.5	2991.9	2769.8
80°	144.2	153.7	176.5	233.1	306.7	288.3	721.5	1289.3	1373.8	1152.5
82.5°	125.0	128.7	126.5	158.1	203.7	168.4	236.8	475.8	525.1	381.0
85°	90.5	100.8	105.2	97.8	108.1	85.3	97.1	168.4	185.3	165.5
87.5°	36.8	54.4	66.9	63.2	39.7	24.3	30.2	49.3	56.6	61.8
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°
1552.6	0°	1552.6	1552.6	1552.6	1552.6	1552.6	1552.6	1552.6	1552.6	1552.6	1552.6
1553.3	2.5°	1554.0	1559.2	1562.9	1567.3	1570.2	1574.6	1583.5	1588.6	1589.3	1593.0
1565.1	5°	1568.0	1575.4	1583.5	1595.2	1608.5	1619.5	1636.4	1648.2	1652.6	1656.3
1593.7	7.5°	1598.2	1608.5	1623.2	1643.8	1662.9	1677.6	1698.2	1712.2	1726.1	1731.3
1639.3	10°	1643.0	1657.7	1679.1	1707.0	1727.6	1746.7	1768.1	1779.8	1793.8	1799.7
1693.8	12.5°	1698.9	1714.4	1742.3	1781.3	1800.4	1813.7	1821.0	1818.1	1821.0	1826.2
1759.2	15°	1762.9	1779.8	1811.4	1853.4	1866.6	1854.8	1838.7	1823.9	1821.7	1823.2
1838.7	17.5°	1838.7	1851.2	1887.9	1923.2	1913.7	1865.1	1829.8	1806.3	1794.5	1790.9
1940.2	20°	1944.6	1944.6	1974.7	1996.8	1932.8	1850.4	1795.3	1757.0	1732.8	1722.5
2078.4	22.5°	2073.3	2061.5	2080.6	2065.2	1929.1	1809.2	1732.8	1666.6	1629.8	1615.1
2271.8	25°	2236.5	2222.6	2217.4	2121.8	1902.6	1743.8	1619.5	1539.3	1507.0	1498.9
2550.6	27.5°	2482.9	2447.6	2380.7	2152.7	1854.1	1640.8	1487.1	1412.8	1394.4	1395.2
2908.8	30°	2810.9	2740.3	2576.3	2157.8	1774.7	1495.2	1351.8	1298.8	1290.0	1293.7
3209.6	32.5°	3114.7	3047.8	2776.4	2134.3	1652.6	1352.5	1230.4	1195.1	1181.9	1186.3
3439.0	35°	3353.0	3334.6	2961.7	2101.2	1502.6	1218.7	1121.6	1091.4	1065.7	1059.8
3655.3	37.5°	3578.0	3570.7	3100.7	2054.9	1354.0	1123.8	1034.1	994.3	956.8	936.2
3894.3	40°	3825.1	3817.8	3191.9	1983.5	1222.3	1041.4	955.4	903.1	856.8	819.3
4164.9	42.5°	4103.2	4059.8	3235.3	1881.3	1110.5	971.5	891.4	820.8	759.7	725.2
4470.9	45°	4406.9	4309.1	3234.6	1751.1	1016.4	907.6	823.0	723.0	666.3	634.0
4784.9	47.5°	4729.0	4547.4	3194.9	1607.0	925.2	837.0	717.1	640.6	603.1	583.2
5126.2	50°	5061.5	4770.2	3127.2	1441.5	831.8	756.8	650.9	598.7	570.0	551.6
5464.5	52.5°	5374.0	4972.5	3045.6	1254.0	736.9	678.8	621.5	581.0	550.9	530.3
5792.5	55°	5664.5	5146.8	2930.1	1062.0	659.7	626.6	607.5	573.7	539.1	514.8
6125.7	57.5°	5922.7	5260.0	2730.8	881.8	604.6	590.6	592.8	561.2	521.4	500.9
6453.7	60°	6137.4	5343.1	2435.9	714.9	559.7	555.3	570.0	537.6	491.3	467.8
6731.0	62.5°	6266.1	5341.7	2074.0	585.4	521.4	522.9	539.8	508.2	461.1	439.1
6875.8	65°	6255.1	5210.8	1676.9	500.9	484.7	486.1	508.2	475.8	436.1	422.9
6803.0	67.5°	6033.7	4891.6	1286.3	445.7	444.2	450.8	476.6	453.8	420.7	419.2
6369.1	70°	5434.3	4228.9	926.7	401.6	402.3	411.9	445.7	439.8	412.6	415.5
5354.9	72.5°	4357.6	3224.3	622.2	355.2	356.0	371.4	416.3	428.8	404.5	443.5
3799.4	75°	2902.1	2010.8	400.1	306.0	306.7	326.5	390.5	407.4	382.4	442.0
1976.9	77.5°	1394.4	903.9	289.8	257.4	257.4	275.8	337.6	364.8	325.8	343.5
635.4	80°	481.7	339.8	228.0	207.4	203.0	215.5	284.6	316.2	280.9	258.9
207.4	82.5°	189.7	176.5	183.1	161.1	146.4	154.4	221.4	261.1	206.7	186.8
116.9	85°	108.8	114.7	129.4	106.6	84.6	94.9	162.5	187.5	155.9	137.5
38.2	87.5°	29.4	40.5	59.6	55.2	38.2	40.5	77.2	103.7	89.7	69.1
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°
1552.6
1592.3
1655.5
1732.0
1802.6
1827.6
1828.4
1796.0
1720.2
1612.9
1500.3
1397.4
1306.2
1192.2
1064.2
937.0
823.0
727.4
632.5
578.8
545.0
521.4
505.3
487.6
457.5
432.5
422.2
421.4
414.8
449.4
445.7
314.8
242.7
186.1
140.5
71.3
0.0

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