

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: P852359

Luminaire Tested: **GLAN-SB3B-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16131 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

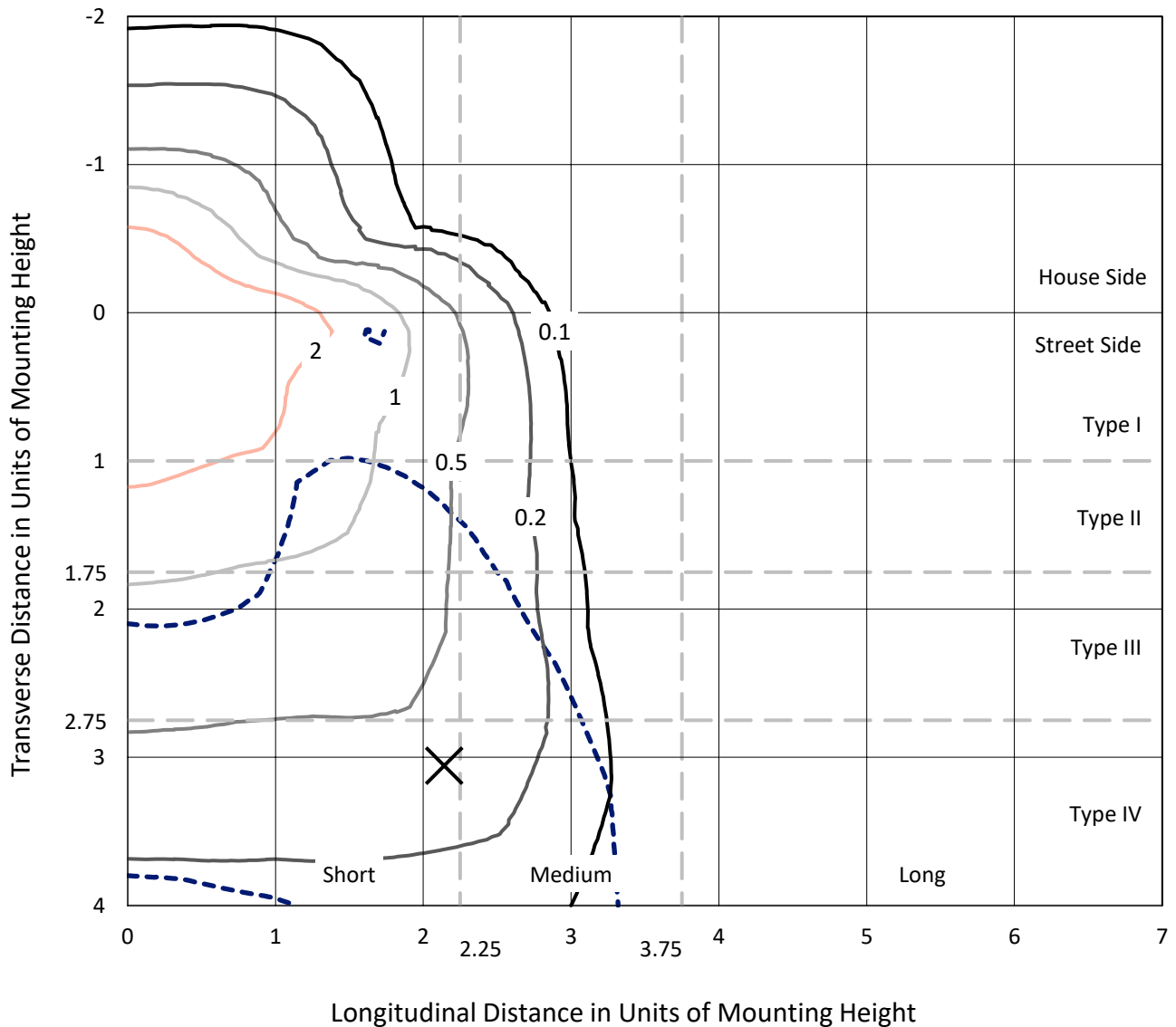
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

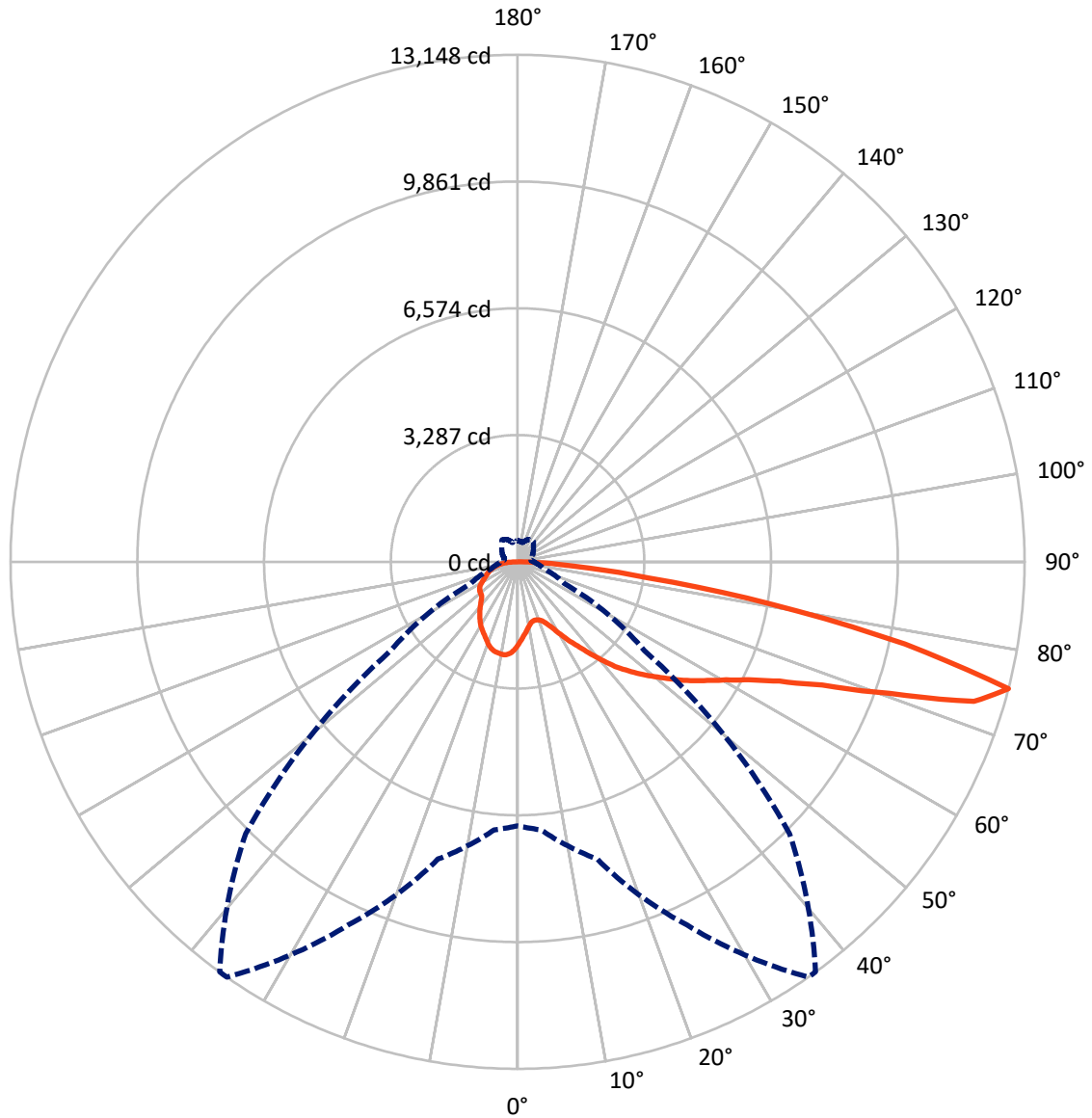
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3838.8	0.0	3838.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	12292.2	0.0	12292.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	16131.0	0.0	16131.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.5	1.3
10°-20°	587.0	3.6
20°-30°	985.8	6.1
30°-40°	1532.1	9.5
40°-50°	2274.0	14.1
50°-60°	3139.4	19.5
60°-70°	3808.8	23.6
70°-80°	3147.7	19.5
80°-90°	452.7	2.8
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°	16131.0	100.0
0°-180°	16131.0	100.0

Coefficient of Utilization



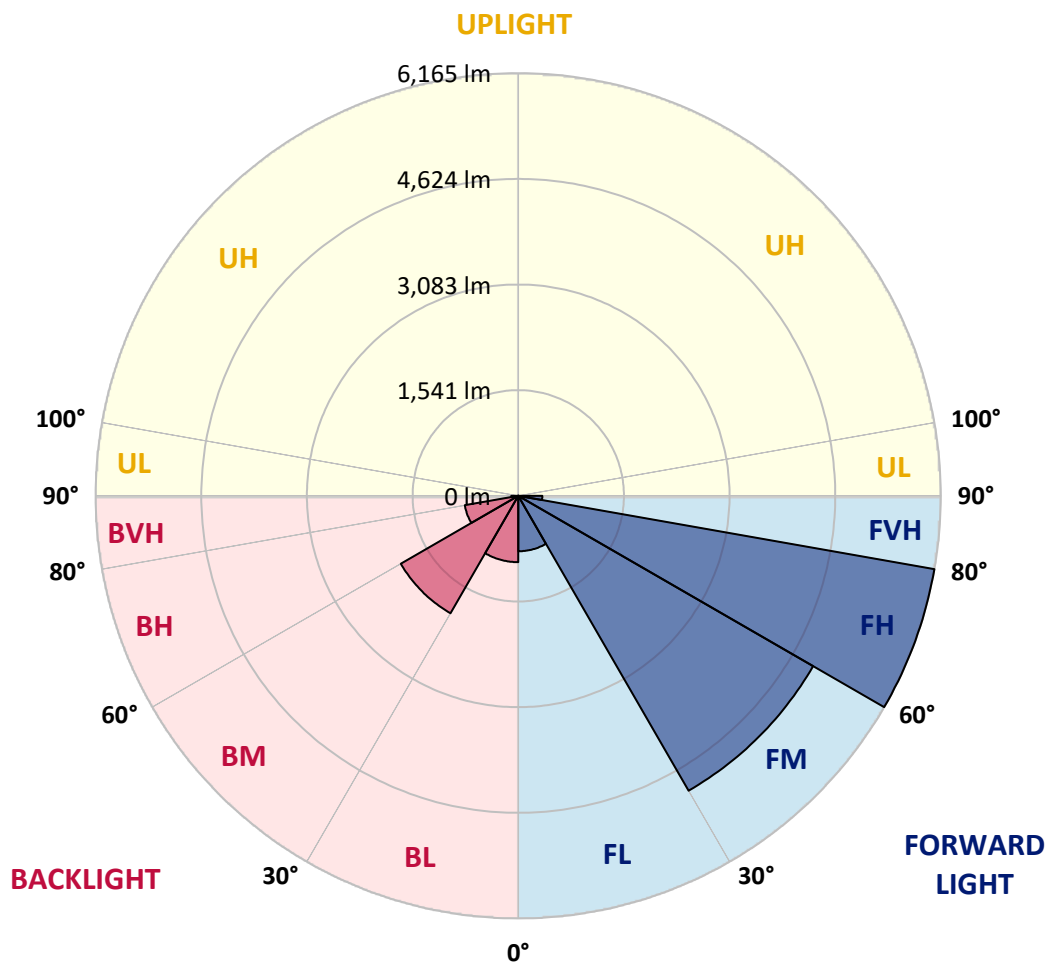
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	808.9	5.0			
FM (30°-60°)	4967.5	30.8			
FH (60°-80°)	6165.0	38.2			G3/7500
FVH (80°-90°)	350.8	2.2			G3/500
BL (0°-30°)	967.4	6.0	B2/1000		
BM (30°-60°)	1978.0	12.3	B2/2500		
BH (60°-80°)	791.4	4.9	B2/1000		G2/1000
BVH (80°-90°)	101.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2149.6	2149.6	2149.6	2149.6	2149.6	2149.6	2149.6	2149.6	2149.6	2149.6
2.5°	1982.1	1994.3	1999.6	1997.0	2010.0	2008.3	2026.6	2049.3	2080.7	2111.2
5°	1829.5	1842.6	1853.9	1864.4	1889.7	1897.5	1926.3	1969.9	2027.5	2085.9
7.5°	1687.4	1698.7	1716.2	1735.3	1778.1	1785.9	1833.9	1901.9	1982.1	2067.6
10°	1571.4	1582.7	1601.1	1622.9	1676.1	1685.6	1746.7	1837.4	1942.0	2050.2
12.5°	1521.7	1525.2	1535.7	1557.5	1603.7	1609.8	1676.9	1780.7	1902.8	2037.1
15°	1519.1	1526.1	1526.9	1538.3	1576.6	1579.3	1641.2	1744.1	1878.4	2034.5
17.5°	1545.2	1550.5	1542.6	1549.6	1581.9	1586.2	1635.1	1726.6	1870.5	2045.8
20°	1615.0	1619.4	1595.8	1586.2	1609.8	1613.3	1661.2	1738.0	1878.4	2069.3
22.5°	1763.3	1765.9	1708.3	1669.1	1670.8	1672.6	1714.4	1784.2	1908.9	2112.1
25°	1994.3	1992.6	1901.0	1825.2	1781.6	1772.0	1799.9	1859.2	1960.3	2168.7
27.5°	2264.7	2251.6	2160.0	2046.7	1951.6	1937.7	1931.6	1956.8	2033.6	2243.7
30°	2569.9	2557.7	2459.1	2310.9	2179.2	2156.5	2099.0	2085.9	2142.6	2345.8
32.5°	2904.7	2896.9	2779.2	2599.5	2423.4	2397.2	2300.4	2265.5	2310.0	2500.1
35°	3185.5	3178.6	3080.9	2896.0	2680.6	2648.4	2549.8	2510.6	2533.3	2698.1
37.5°	3439.3	3435.8	3352.1	3206.5	2984.1	2944.9	2834.1	2821.0	2816.7	2958.8
40°	3674.8	3666.0	3578.8	3502.1	3337.3	3301.5	3203.9	3192.5	3159.4	3279.7
42.5°	3935.5	3912.8	3786.4	3750.6	3706.1	3676.5	3618.1	3619.8	3546.6	3641.6
45°	4148.3	4135.2	4005.3	3984.3	4032.3	4020.1	4070.7	4083.7	3941.6	4021.0
47.5°	4376.7	4364.5	4254.7	4239.8	4369.8	4373.3	4552.0	4556.4	4327.0	4415.1
50°	4658.4	4641.0	4532.0	4550.3	4695.9	4709.0	5036.0	5006.3	4682.0	4815.4
52.5°	4844.2	4854.6	4831.1	4860.7	5059.5	5071.8	5512.1	5436.3	5033.4	5210.4
55°	4981.1	5002.0	5075.2	5143.3	5443.2	5455.4	5961.2	5845.2	5324.6	5576.7
57.5°	5157.2	5127.6	5264.5	5397.0	5807.7	5840.0	6398.1	6239.4	5582.8	5892.3
60°	5410.1	5389.2	5495.6	5691.8	6215.9	6267.3	6860.3	6594.3	5772.0	6142.6
62.5°	5922.9	5870.5	5887.1	6060.6	6730.4	6798.4	7381.8	6903.9	5866.2	6240.3
65°	6689.4	6599.6	6515.8	6636.2	7455.0	7522.2	7970.4	7147.2	5831.3	6051.0
67.5°	7654.7	7565.8	7462.9	7576.2	8522.4	8575.6	8696.8	7284.1	5556.6	5322.0
70°	8450.9	8417.7	8540.7	9007.2	10227.2	10229.0	9628.1	7170.7	4804.0	3773.3
72.5°	8345.4	8325.3	8973.2	10415.6	12375.9	12329.7	10509.8	6312.7	3236.1	1702.2
75°	6846.3	6976.3	7980.0	10390.3	13147.7	13141.6	9970.0	4013.1	1338.6	705.5
77.5°	3671.3	3877.1	5180.8	7671.3	10263.8	10418.2	7009.4	1404.0	574.7	451.7
80°	1197.3	1376.9	2065.0	3905.8	6669.3	6640.5	3004.2	551.1	393.3	320.0
82.5°	508.4	529.3	922.6	1844.4	3422.7	3369.5	956.6	316.5	276.4	218.9
85°	198.8	222.4	407.2	852.8	1482.5	1450.2	345.3	157.0	177.0	143.0
87.5°	65.4	79.4	145.6	292.1	461.3	444.7	84.6	54.1	76.7	65.4
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°
2149.6	0°	2149.6	2149.6	2149.6	2149.6	2149.6	2149.6	2149.6	2149.6	2149.6	2149.6
2155.7	2.5°	2167.9	2181.8	2198.4	2222.8	2243.7	2261.2	2279.5	2290.8	2295.2	2308.3
2159.2	5°	2183.6	2214.1	2255.1	2295.2	2334.4	2358.0	2378.9	2389.4	2399.0	2405.9
2168.7	7.5°	2209.7	2249.0	2313.5	2365.8	2399.0	2418.2	2432.1	2428.6	2432.1	2433.8
2179.2	10°	2232.4	2287.3	2364.1	2413.8	2439.1	2440.0	2436.5	2424.3	2418.2	2419.0
2194.9	12.5°	2259.4	2320.5	2403.3	2445.2	2452.2	2433.0	2418.2	2397.2	2389.4	2385.9
2218.5	15°	2296.1	2365.8	2446.1	2461.8	2444.3	2419.9	2394.6	2360.6	2343.2	2329.2
2258.6	17.5°	2340.5	2417.3	2479.2	2467.9	2430.4	2390.2	2349.3	2297.8	2262.1	2247.2
2313.5	20°	2402.5	2471.3	2504.5	2454.8	2398.1	2337.1	2267.3	2204.5	2171.4	2156.5
2383.3	22.5°	2477.4	2543.7	2528.9	2432.1	2351.9	2254.2	2167.0	2120.8	2104.2	2093.8
2473.1	25°	2567.3	2624.0	2546.3	2399.0	2276.0	2144.3	2077.2	2062.4	2054.5	2046.7
2583.0	27.5°	2684.1	2714.6	2559.4	2350.1	2157.4	2027.5	2003.1	2005.7	2003.1	1990.0
2735.6	30°	2838.5	2832.4	2571.6	2270.8	2021.4	1922.0	1923.7	1935.0	1936.8	1928.1
2948.3	32.5°	3041.7	2979.7	2577.7	2167.9	1891.4	1829.5	1831.3	1843.5	1852.2	1837.4
3226.5	35°	3287.6	3151.5	2568.1	2038.8	1791.2	1741.5	1728.4	1731.9	1734.5	1720.5
3564.0	37.5°	3574.5	3344.3	2525.4	1895.8	1708.3	1655.1	1627.2	1603.7	1589.7	1576.6
3946.0	40°	3889.3	3554.4	2446.9	1756.3	1615.9	1563.6	1521.7	1477.2	1430.1	1412.7
4350.6	42.5°	4218.9	3770.7	2351.9	1622.9	1509.5	1466.8	1422.3	1357.8	1287.1	1251.4
4770.9	45°	4560.7	3992.2	2258.6	1491.2	1400.5	1382.2	1330.7	1253.1	1176.4	1131.0
5192.1	47.5°	4895.6	4201.5	2121.7	1358.6	1298.5	1318.5	1278.4	1206.9	1121.4	1049.9
5609.8	50°	5215.6	4397.7	1897.5	1224.3	1215.6	1299.3	1261.0	1158.1	1060.4	968.8
6019.7	52.5°	5533.1	4556.4	1610.6	1102.3	1171.1	1294.1	1238.3	1124.9	1005.5	909.5
6405.1	55°	5802.5	4638.4	1334.2	997.6	1106.6	1249.6	1211.3	1085.7	927.8	825.8
6669.3	57.5°	5956.0	4572.1	1104.0	894.7	1017.7	1176.4	1165.0	1002.0	835.4	756.9
6720.8	60°	5889.7	4303.5	915.6	804.9	933.1	1097.0	1084.8	919.1	764.8	690.7
6445.2	62.5°	5524.3	3791.6	766.5	726.4	856.3	1015.9	1004.6	855.5	710.7	639.2
5713.6	65°	4788.3	3084.4	650.5	661.0	778.7	918.3	934.8	802.3	668.0	598.2
4420.3	67.5°	3652.1	2234.2	559.8	604.3	702.9	822.3	870.3	763.9	632.2	566.0
2557.7	70°	2081.5	1268.8	483.1	549.4	635.7	733.4	820.6	733.4	593.9	538.9
958.4	72.5°	789.2	582.5	417.7	494.4	571.2	658.4	765.6	685.4	549.4	508.4
495.3	75°	421.2	354.9	351.4	429.9	497.1	585.1	696.8	638.3	516.2	537.2
342.7	77.5°	286.9	251.1	293.9	368.0	416.0	504.0	623.5	566.8	447.4	445.6
237.2	80°	198.8	177.9	238.9	296.5	321.8	423.8	544.1	486.6	364.5	340.1
146.5	82.5°	119.5	116.0	178.8	221.5	227.6	327.0	450.8	408.1	298.2	259.9
87.2	85°	65.4	68.9	114.2	129.9	132.5	228.5	353.2	315.7	229.3	192.7
31.4	87.5°	18.3	23.5	41.9	51.5	63.7	118.6	210.2	187.5	115.1	80.2
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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<u>180°</u>
2149.6
2307.4
2407.7
2436.5
2420.8
2384.1
2333.6
2248.1
2154.8
2095.5
2046.7
1992.6
1932.4
1844.4
1730.1
1585.4
1420.5
1255.7
1127.5
1042.1
961.0
899.1
817.1
746.5
680.2
627.9
586.9
555.5
531.9
501.4
554.6
410.7
325.3
261.6
194.5
80.2
0.0

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