

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: P852510

Luminaire Tested: **GLAN-SB4B-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15196 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

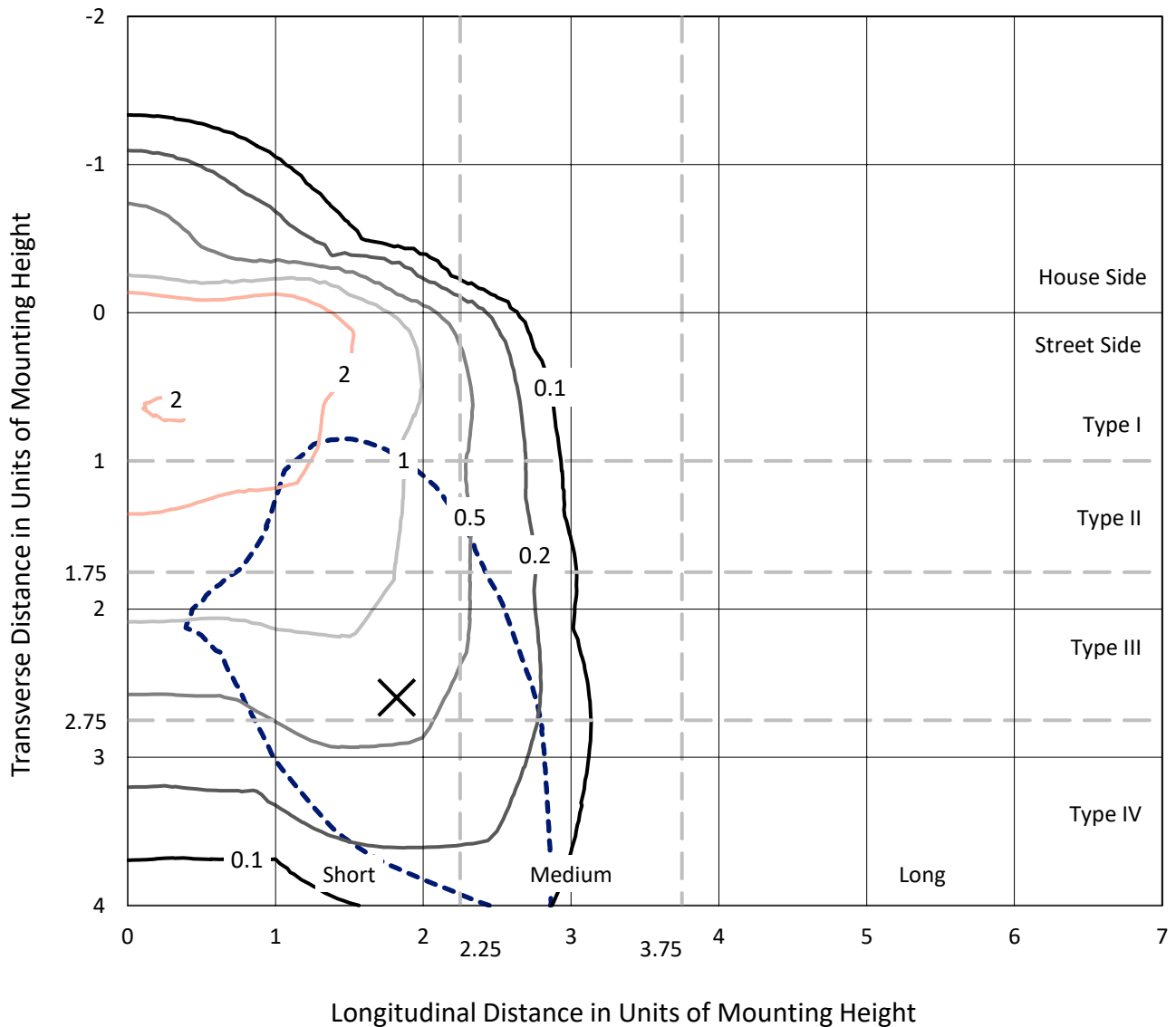
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

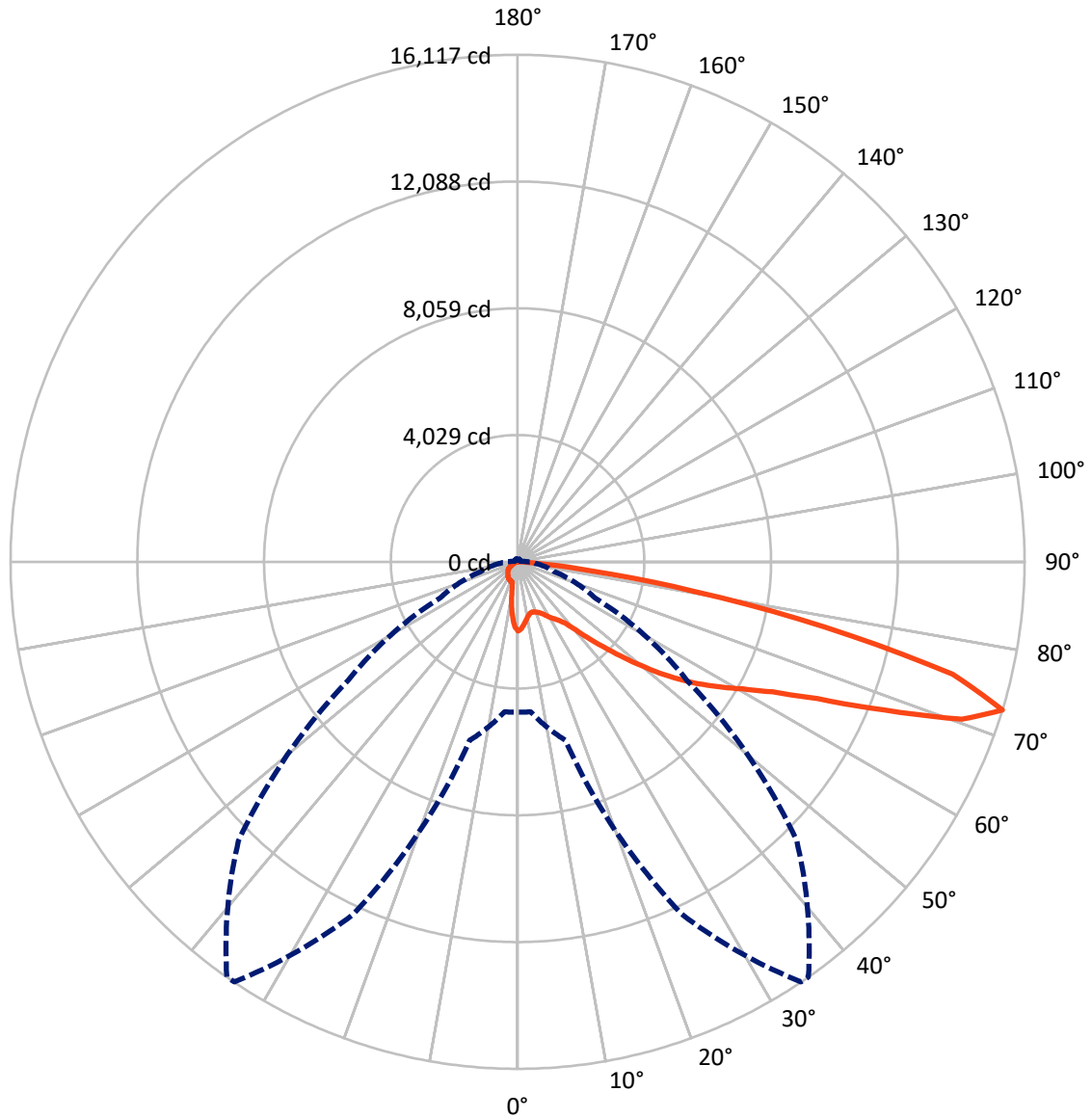
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1710.2	0.0	1710.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	13485.8	0.0	13485.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	15196.0	0.0	15196.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	1.2
10°-20°	423.4	2.8
20°-30°	687.8	4.5
30°-40°	1147.5	7.6
40°-50°	2171.2	14.3
50°-60°	3450.0	22.7
60°-70°	4267.9	28.1
70°-80°	2652.9	17.5
80°-90°	214.4	1.4
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°	15196.0	100.0
0°-180°	15196.0	100.0

Coefficient of Utilization



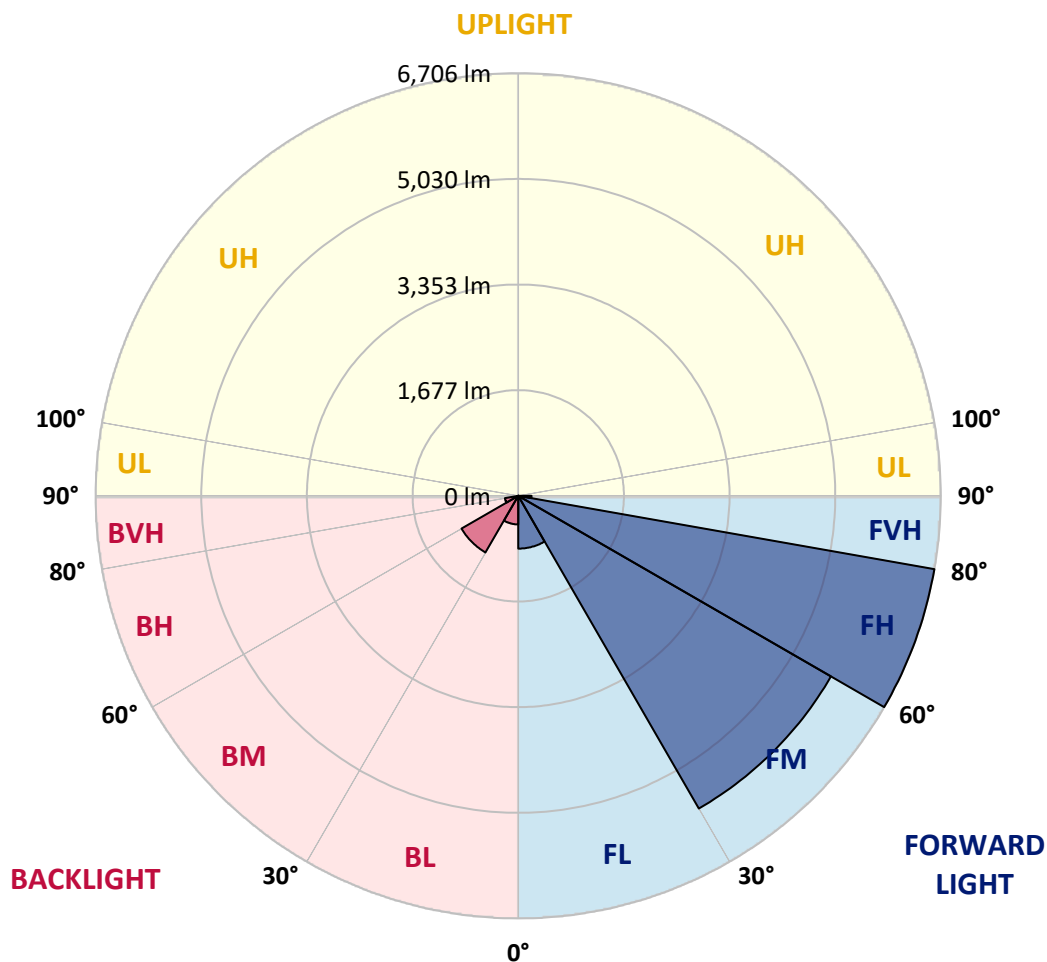
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	837.7	5.5			
FM (30°-60°)	5730.4	37.7			
FH (60°-80°)	6706.2	44.1			G3/7500
FVH (80°-90°)	211.5	1.4			G2/225
BL (0°-30°)	454.4	3.0	B1/500		
BM (30°-60°)	1038.3	6.8	B2/2500		
BH (60°-80°)	214.6	1.4	B1/500		G1/500
BVH (80°-90°)	2.9	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	2202.4	2202.4	2202.4	2202.4	2202.4	2202.4	2202.4	2202.4	2202.4	2202.4
2.5°	2104.4	2122.2	2125.6	2131.1	2131.1	2137.8	2149.0	2164.6	2190.2	2203.5
5°	1939.6	1953.0	1969.7	1983.1	2008.7	2012.0	2055.4	2097.7	2156.8	2201.3
7.5°	1773.7	1789.3	1811.6	1843.9	1877.3	1887.3	1953.0	2024.3	2117.8	2201.3
10°	1656.8	1657.9	1678.0	1710.3	1763.7	1776.0	1856.1	1957.5	2074.4	2187.9
12.5°	1591.1	1598.9	1607.8	1632.3	1683.5	1691.3	1777.1	1896.2	2030.9	2180.1
15°	1591.1	1596.7	1602.3	1614.5	1655.7	1662.4	1738.1	1857.2	2008.7	2183.5
17.5°	1607.8	1616.7	1612.3	1626.8	1670.2	1674.6	1741.4	1846.1	2007.6	2204.6
20°	1647.9	1654.6	1645.7	1654.6	1698.0	1706.9	1776.0	1867.3	2026.5	2241.4
22.5°	1711.4	1714.7	1693.6	1700.2	1744.8	1755.9	1836.1	1927.4	2072.1	2300.4
25°	1791.5	1798.2	1765.9	1773.7	1816.0	1829.4	1921.8	2017.6	2144.5	2381.7
27.5°	1884.0	1887.3	1859.5	1858.4	1912.9	1931.8	2025.4	2128.9	2241.4	2484.1
30°	1989.7	1999.8	1973.0	1968.6	2037.6	2053.2	2145.6	2265.9	2383.9	2637.8
32.5°	2073.2	2081.0	2065.5	2076.6	2146.7	2159.0	2291.5	2459.6	2607.7	2856.0
35°	2193.5	2198.0	2162.3	2182.4	2262.5	2293.7	2490.8	2731.3	2889.4	3129.9
37.5°	2628.9	2628.9	2477.4	2378.3	2455.2	2483.0	2763.6	3073.1	3236.8	3497.4
40°	3231.2	3221.2	2999.6	2797.0	2787.0	2841.5	3152.2	3504.0	3685.5	3938.3
42.5°	3873.7	3858.1	3556.4	3355.9	3322.5	3341.5	3600.9	4035.2	4220.0	4476.1
45°	4443.8	4439.3	4163.2	3893.7	3833.6	3893.7	4161.0	4656.5	4789.0	5058.4
47.5°	4921.5	4921.5	4719.9	4544.0	4512.8	4548.5	4919.2	5345.7	5333.4	5678.6
50°	5471.5	5467.1	5275.5	5199.8	5232.1	5282.2	5792.2	6071.7	5896.8	6287.7
52.5°	5856.8	5883.5	5817.8	5805.5	5970.3	6057.2	6678.5	6782.0	6401.2	6865.6
55°	6161.8	6193.0	6268.7	6354.5	6671.8	6785.4	7537.0	7455.7	6823.2	7366.6
57.5°	6593.9	6549.3	6666.2	6835.5	7348.8	7485.7	8368.7	8091.5	7162.8	7773.0
60°	7118.3	7125.0	7145.0	7358.8	8024.7	8200.6	9188.2	8692.7	7381.1	8022.4
62.5°	7748.5	7758.5	7799.7	8128.2	8932.1	9098.0	10061.2	9184.9	7481.3	7952.3
65°	7705.1	7747.4	8207.3	9330.7	10311.7	10475.4	11080.0	9530.0	7329.9	7310.9
67.5°	7019.2	7088.2	7857.6	10767.1	12391.6	12574.2	12311.4	9598.0	6676.3	5685.3
70°	6119.5	6144.0	7069.3	12058.7	14800.0	14984.8	13413.8	8850.8	5066.2	3171.1
72.5°	4778.9	4784.5	5870.1	12358.2	16107.2	16117.2	12548.6	6570.5	2724.6	1218.1
75°	3413.8	3380.4	3931.6	10022.2	14170.9	14284.5	9407.6	3082.0	1041.1	575.7
77.5°	1830.5	1867.3	2224.7	5943.6	9789.5	9983.2	5133.0	888.5	530.0	391.9
80°	565.6	596.8	911.9	2721.3	5545.0	5661.9	1902.9	395.3	369.7	279.5
82.5°	178.2	184.8	425.3	1143.5	2301.5	2355.0	551.2	223.8	252.8	184.8
85°	51.2	52.3	189.3	426.5	569.0	580.1	154.8	86.8	144.7	114.7
87.5°	5.6	17.8	71.3	71.3	50.1	49.0	16.7	18.9	41.2	14.5
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°
2202.4	0°	2202.4	2202.4	2202.4	2202.4	2202.4	2202.4	2202.4	2202.4	2202.4	2202.4
2212.4	2.5°	2206.9	2208.0	2193.5	2169.0	2142.3	2120.0	2092.2	2069.9	2054.3	2049.9
2232.5	5°	2222.5	2214.7	2173.5	2098.9	2009.8	1933.0	1847.2	1779.3	1734.8	1715.8
2253.6	7.5°	2245.8	2223.6	2133.4	1986.4	1816.0	1664.6	1511.0	1391.8	1316.1	1278.2
2273.7	10°	2265.9	2221.3	2066.6	1823.8	1563.3	1333.9	1126.8	983.2	903.0	865.2
2297.1	12.5°	2284.8	2220.2	1979.7	1631.2	1278.2	997.7	805.0	733.8	711.5	703.7
2334.9	15°	2320.4	2223.6	1870.6	1410.7	994.3	753.8	683.7	682.5	687.0	684.8
2392.8	17.5°	2369.4	2226.9	1747.0	1176.9	767.2	664.7	661.4	671.4	678.1	674.8
2465.2	20°	2432.9	2240.3	1615.6	945.3	659.2	642.5	650.3	659.2	664.7	659.2
2562.1	22.5°	2522.0	2263.6	1472.0	759.4	624.6	629.1	635.8	645.8	651.4	643.6
2685.6	25°	2631.1	2300.4	1330.6	660.3	607.9	613.5	623.5	634.7	641.3	633.6
2841.5	27.5°	2772.5	2359.4	1200.3	638.0	591.2	594.6	609.1	625.8	634.7	624.6
3063.1	30°	2977.4	2456.3	1087.8	648.0	581.2	573.4	593.5	616.9	626.9	618.0
3364.9	32.5°	3249.1	2593.2	1018.8	663.6	576.8	548.9	567.9	597.9	614.6	609.1
3759.0	35°	3605.4	2801.4	992.1	681.4	573.4	523.3	536.7	569.0	597.9	603.5
4255.6	37.5°	4037.4	3090.9	999.9	689.2	563.4	502.2	508.8	536.7	574.5	592.4
4814.6	40°	4528.4	3428.3	1044.4	681.4	552.3	484.4	485.5	506.6	540.0	566.7
5415.8	42.5°	5035.0	3822.5	1126.8	652.5	542.3	468.8	465.4	479.9	502.2	521.1
6016.0	45°	5517.2	4227.8	1208.1	612.4	530.0	453.2	445.4	450.9	455.4	463.2
6600.5	47.5°	5938.0	4512.8	1184.7	575.7	513.3	435.4	422.0	419.8	406.4	405.3
7122.8	50°	6228.7	4575.2	1052.2	538.9	488.8	415.3	394.2	380.8	357.4	346.3
7513.6	52.5°	6321.1	4329.1	859.6	502.2	448.7	388.6	358.5	337.4	308.4	298.4
7738.5	55°	6198.6	3847.0	687.0	457.6	393.0	353.0	319.6	291.7	268.3	256.1
7763.0	57.5°	5899.1	3233.5	543.4	405.3	334.0	312.9	279.5	251.6	231.6	219.4
7491.3	60°	5402.5	2567.6	429.8	342.9	285.0	269.5	234.9	217.1	199.3	184.8
6789.8	62.5°	4648.7	1832.7	337.4	271.7	238.3	220.5	200.4	187.1	165.9	145.9
5528.3	65°	3627.6	1121.2	260.5	199.3	191.5	182.6	170.4	158.1	132.5	112.5
3606.5	67.5°	2288.1	531.1	185.9	150.3	151.4	147.0	141.4	131.4	112.5	94.6
1615.6	70°	1007.7	257.2	122.5	114.7	112.5	112.5	116.9	113.6	95.8	79.1
561.2	72.5°	342.9	138.1	91.3	86.8	81.3	80.2	98.0	94.6	76.8	61.2
279.5	75°	179.3	92.4	66.8	62.4	49.0	59.0	77.9	73.5	54.6	40.1
184.8	77.5°	116.9	65.7	45.7	40.1	27.8	39.0	57.9	51.2	32.3	20.0
121.4	80°	73.5	43.4	26.7	18.9	13.4	21.2	31.2	22.3	12.2	4.5
71.3	82.5°	39.0	22.3	10.0	6.7	5.6	6.7	7.8	5.6	2.2	0.0
36.7	85°	15.6	7.8	3.3	2.2	1.1	0.0	2.2	1.1	0.0	0.0
6.7	87.5°	5.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
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