

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: P852834

Luminaire Tested: **GLAN-SB6D-730-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852834  
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-SB6D-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

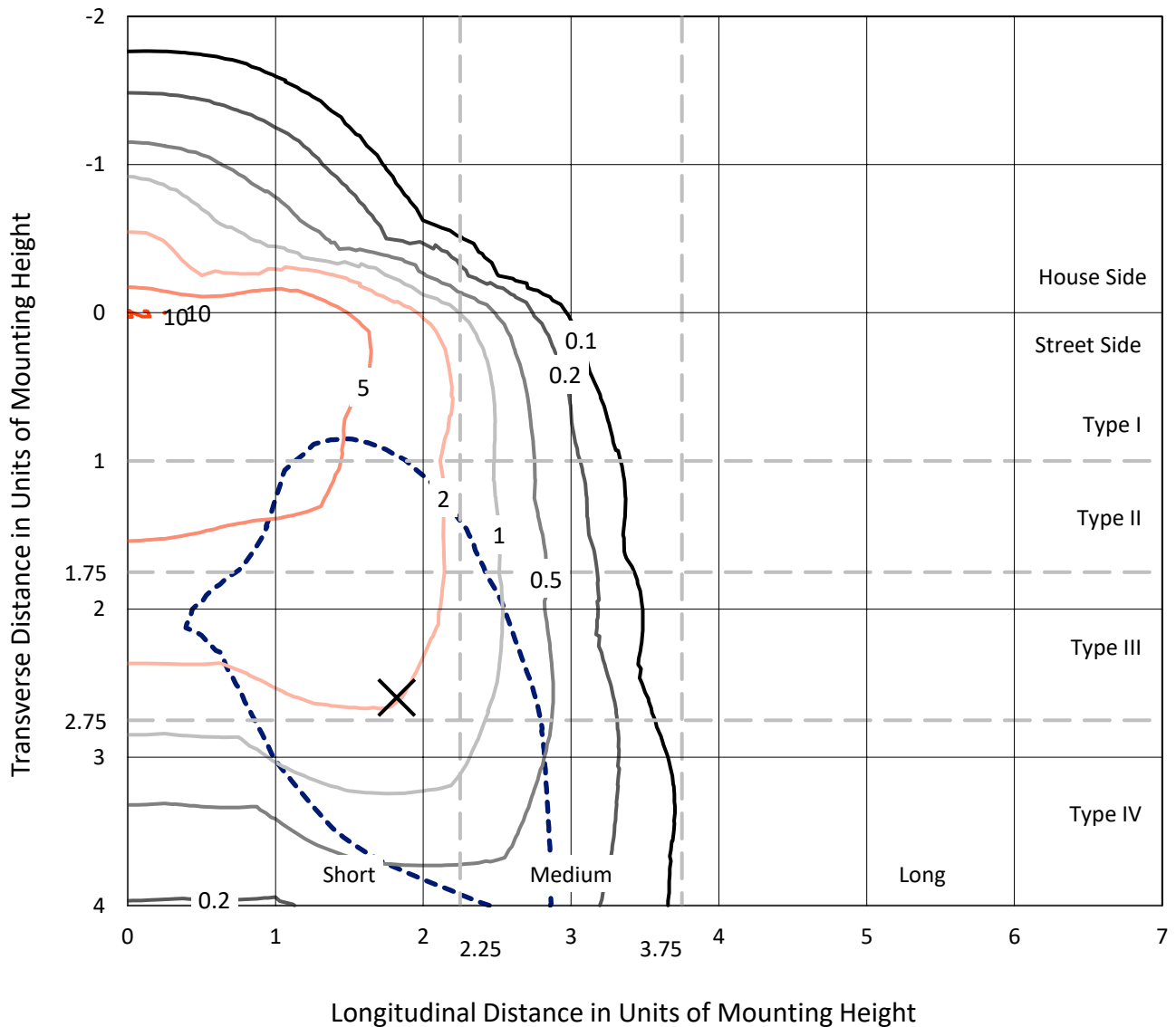
Lumens per Lamp: N/A  
Luminaire Lumens: 45132 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

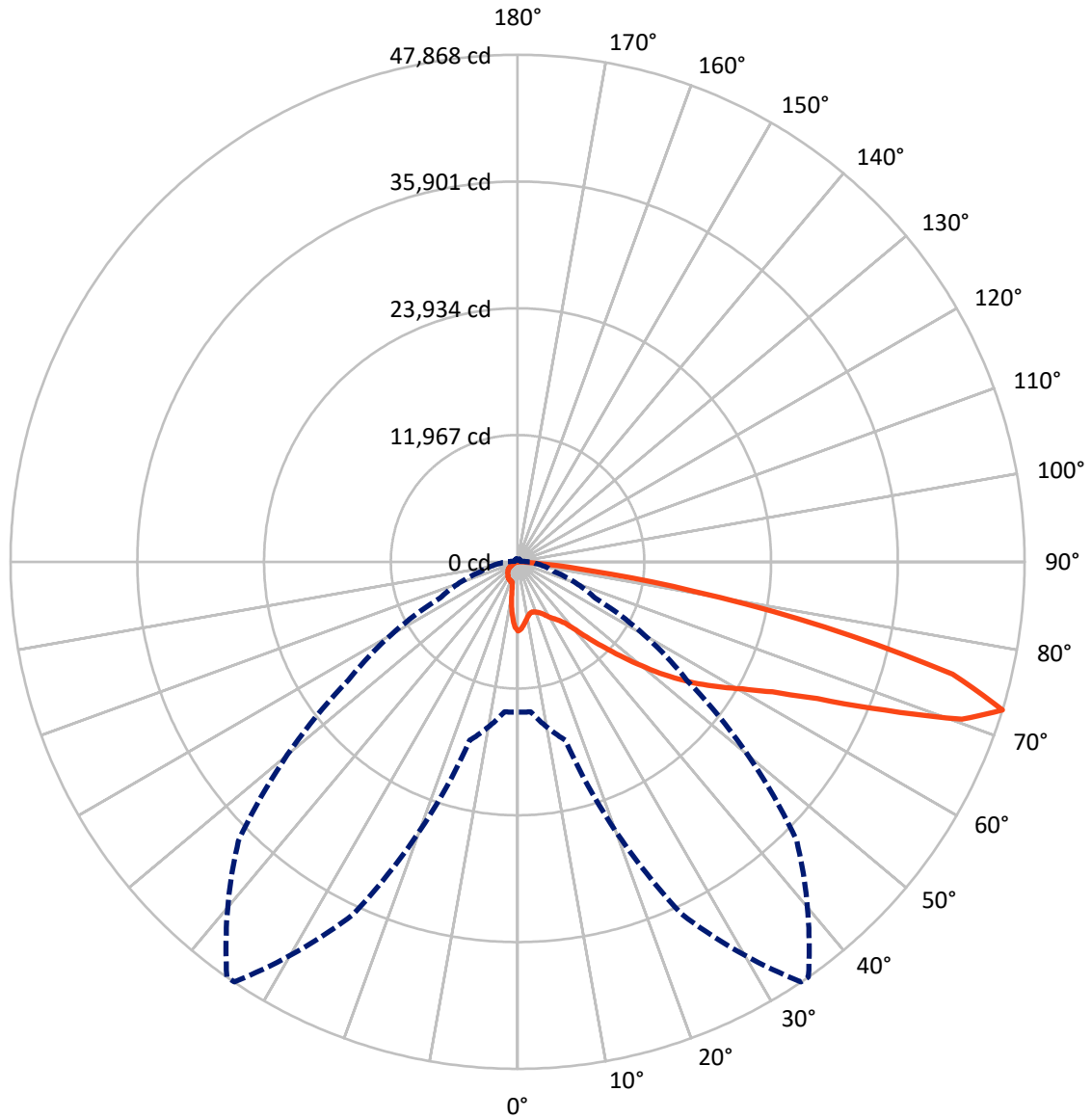
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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
<b>House Side</b>	Lumens	5079.4	0.0	5079.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	40052.6	0.0	40052.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	45132.0	0.0	45132.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	537.5	1.2
10°-20°	1257.4	2.8
20°-30°	2042.7	4.5
30°-40°	3408.2	7.6
40°-50°	6448.4	14.3
50°-60°	10246.4	22.7
60°-70°	12675.5	28.1
70°-80°	7879.2	17.5
80°-90°	636.8	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°	45132.0	100.0
0°-180°	45132.0	100.0

**Coefficient of Utilization**

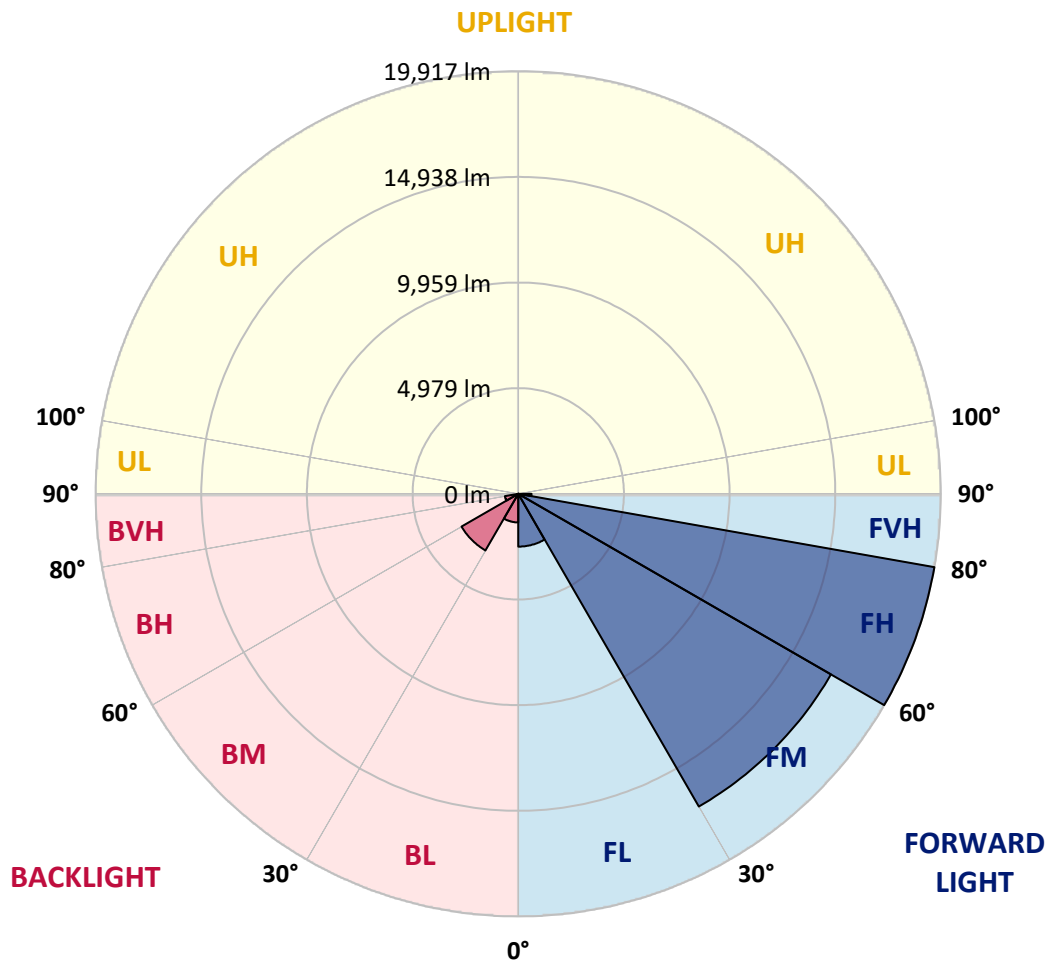


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2487.9	5.5			
FM (30°-60°)	17019.3	37.7			
FH (60°-80°)	19917.3	44.1			G5
FVH (80°-90°)	628.1	1.4			G4/750
BL (0°-30°)	1349.7	3.0	B3/2500		
BM (30°-60°)	3083.6	6.8	B3/5000		
BH (60°-80°)	637.4	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	6541.1	6541.1	6541.1	6541.1	6541.1	6541.1	6541.1	6541.1	6541.1	6541.1
2.5°	6250.1	6303.0	6313.0	6329.5	6329.5	6349.3	6382.4	6428.7	6504.8	6544.4
5°	5760.7	5800.4	5850.0	5889.7	5965.7	5975.7	6104.6	6230.3	6405.6	6537.8
7.5°	5268.0	5314.3	5380.4	5476.3	5575.5	5605.3	5800.4	6012.0	6289.8	6537.8
10°	4920.7	4924.0	4983.6	5079.5	5238.2	5274.6	5512.7	5813.6	6160.8	6498.1
12.5°	4725.6	4748.8	4775.2	4848.0	5000.1	5023.3	5277.9	5631.7	6031.9	6475.0
15°	4725.6	4742.2	4758.7	4795.1	4917.4	4937.3	5162.1	5516.0	5965.7	6484.9
17.5°	4775.2	4801.7	4788.5	4831.4	4960.4	4973.6	5172.1	5482.9	5962.4	6547.8
20°	4894.3	4914.1	4887.7	4914.1	5043.1	5069.5	5274.6	5545.7	6018.6	6656.9
22.5°	5082.8	5092.7	5029.9	5049.7	5182.0	5215.1	5453.2	5724.3	6154.2	6832.2
25°	5320.9	5340.7	5244.8	5268.0	5393.6	5433.3	5707.8	5992.2	6369.2	7073.6
27.5°	5595.4	5605.3	5522.6	5519.3	5681.3	5737.6	6015.3	6322.9	6656.9	7377.8
30°	5909.5	5939.3	5859.9	5846.7	6051.7	6098.0	6372.5	6729.6	7080.2	7834.2
32.5°	6157.5	6180.7	6134.4	6167.5	6375.8	6412.2	6805.7	7305.0	7744.9	8482.3
35°	6514.7	6527.9	6422.1	6481.6	6719.7	6812.3	7397.6	8111.9	8581.5	9295.8
37.5°	7807.7	7807.7	7358.0	7063.6	7291.8	7374.5	8207.8	9127.2	9613.3	10387.1
40°	9596.8	9567.0	8908.9	8307.0	8277.3	8439.3	9362.0	10407.0	10946.0	11696.7
42.5°	11504.9	11458.6	10562.4	9967.1	9867.9	9924.1	10694.7	11984.4	12533.3	13293.9
45°	13198.0	13184.8	12364.7	11564.4	11385.8	11564.4	12358.1	13829.6	14223.2	15023.5
47.5°	14616.7	14616.7	14018.1	13495.6	13403.1	13508.9	14610.1	15876.6	15840.3	16865.4
50°	16250.3	16237.1	15668.3	15443.4	15539.3	15688.2	17202.7	18032.8	17513.6	18674.3
52.5°	17394.5	17473.9	17278.8	17242.4	17731.8	17989.8	19835.1	20142.6	19011.6	20390.6
55°	18300.6	18393.2	18618.1	18872.7	19815.2	20152.5	22384.7	22143.3	20265.0	21878.8
57.5°	19583.7	19451.5	19798.7	20301.3	21825.8	22232.6	24855.0	24031.6	21273.6	23085.8
60°	21141.3	21161.2	21220.7	21855.6	23833.2	24355.7	27288.9	25817.3	21921.7	23826.5
62.5°	23013.0	23042.8	23165.2	24140.7	26528.3	27021.1	29881.6	27279.0	22219.4	23618.2
65°	22884.1	23009.7	24375.5	27712.2	30625.6	31111.8	32907.4	28304.2	21769.6	21713.4
67.5°	20847.0	21052.0	23337.1	31978.2	36803.0	37345.3	36564.9	28505.9	19828.5	16885.3
70°	18175.0	18247.7	20995.8	35814.2	43955.9	44504.9	39838.8	26286.9	15046.6	9418.2
72.5°	14193.4	14209.9	17434.2	36703.8	47838.3	47868.0	37269.3	19514.3	8092.1	3617.8
75°	10139.1	10039.9	11676.8	29765.8	42087.5	42424.8	27940.4	9153.6	3092.0	1709.7
77.5°	5436.6	5545.7	6607.3	17652.5	29074.7	29650.1	15245.0	2638.9	1574.1	1164.0
80°	1679.9	1772.5	2708.4	8082.2	16468.6	16815.8	5651.6	1174.0	1097.9	830.0
82.5°	529.1	549.0	1263.3	3396.2	6835.5	6994.2	1636.9	664.7	750.7	549.0
85°	152.1	155.4	562.2	1266.6	1689.8	1722.9	459.7	257.9	429.9	340.6
87.5°	16.5	52.9	211.6	211.6	148.8	145.5	49.6	56.2	122.4	43.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6541.1	0°	6541.1	6541.1	6541.1	6541.1	6541.1	6541.1	6541.1	6541.1	6541.1	6541.1
6570.9	2.5°	6554.4	6557.7	6514.7	6441.9	6362.6	6296.4	6213.8	6147.6	6101.3	6088.1
6630.4	5°	6600.7	6577.5	6455.2	6233.6	5969.0	5740.9	5486.2	5284.5	5152.2	5096.0
6693.3	7.5°	6670.1	6604.0	6336.1	5899.6	5393.6	4943.9	4487.5	4133.7	3908.8	3796.4
6752.8	10°	6729.6	6597.4	6137.7	5416.8	4643.0	3961.7	3346.6	2920.0	2681.9	2569.5
6822.2	12.5°	6785.9	6594.1	5879.8	4844.7	3796.4	2963.0	2390.9	2179.3	2113.1	2090.0
6934.7	15°	6891.7	6604.0	5555.7	4189.9	2953.1	2238.8	2030.5	2027.2	2040.4	2033.8
7106.6	17.5°	7037.2	6613.9	5188.6	3495.4	2278.5	1974.2	1964.3	1994.1	2013.9	2004.0
7321.6	20°	7225.7	6653.6	4798.4	2807.6	1957.7	1908.1	1931.3	1957.7	1974.2	1957.7
7609.3	22.5°	7490.2	6723.0	4371.8	2255.3	1855.2	1868.4	1888.3	1918.0	1934.6	1911.4
7976.4	25°	7814.3	6832.2	3951.8	1961.0	1805.6	1822.1	1851.9	1885.0	1904.8	1881.7
8439.3	27.5°	8234.3	7007.4	3564.9	1894.9	1756.0	1765.9	1808.9	1858.5	1885.0	1855.2
9097.4	30°	8842.8	7295.1	3230.9	1924.6	1726.2	1703.1	1762.6	1832.0	1861.8	1835.4
9993.6	32.5°	9649.7	7701.9	3025.9	1970.9	1713.0	1630.3	1686.5	1775.8	1825.4	1808.9
11164.3	35°	10707.9	8320.3	2946.5	2023.9	1703.1	1554.3	1593.9	1689.8	1775.8	1792.4
12639.1	37.5°	11991.0	9180.1	2969.6	2047.0	1673.3	1491.4	1511.3	1593.9	1706.4	1759.3
14299.2	40°	13449.4	10182.1	3101.9	2023.9	1640.2	1438.5	1441.8	1504.7	1603.9	1683.2
16085.0	42.5°	14954.0	11352.7	3346.6	1937.9	1610.5	1392.2	1382.3	1425.3	1491.4	1547.7
17867.4	45°	16385.9	12556.5	3588.0	1818.8	1574.1	1345.9	1322.8	1339.3	1352.5	1375.7
19603.6	47.5°	17635.9	13403.1	3518.6	1709.7	1524.5	1293.0	1253.3	1246.7	1207.0	1203.7
21154.5	50°	18499.1	13588.2	3125.1	1600.6	1451.7	1233.5	1170.7	1131.0	1061.5	1028.5
22315.3	52.5°	18773.5	12857.4	2553.0	1491.4	1332.7	1154.1	1064.8	1002.0	916.0	886.3
22983.3	55°	18409.8	11425.5	2040.4	1359.2	1167.4	1048.3	949.1	866.4	797.0	760.6
23056.0	57.5°	17520.2	9603.4	1613.8	1203.7	992.1	929.3	830.0	747.4	687.8	651.5
22249.1	60°	16045.3	7625.8	1276.5	1018.5	846.6	800.3	697.8	644.9	591.9	549.0
20165.8	62.5°	13806.5	5443.2	1002.0	806.9	707.7	654.8	595.3	555.6	492.7	433.2
16419.0	65°	10774.0	3330.1	773.8	591.9	568.8	542.3	506.0	469.6	393.5	334.0
10711.2	67.5°	6795.8	1577.4	552.3	446.4	449.7	436.5	420.0	390.2	334.0	281.1
4798.4	70°	2992.8	763.9	363.8	340.6	334.0	334.0	347.2	337.3	284.4	234.8
1666.7	72.5°	1018.5	410.1	271.2	257.9	241.4	238.1	291.0	281.1	228.2	181.9
830.0	75°	532.4	274.5	198.4	185.2	145.5	175.3	231.5	218.3	162.0	119.1
549.0	77.5°	347.2	195.1	135.6	119.1	82.7	115.7	172.0	152.1	95.9	59.5
360.5	80°	218.3	129.0	79.4	56.2	39.7	62.8	92.6	66.1	36.4	13.2
211.6	82.5°	115.7	66.1	29.8	19.8	16.5	19.8	23.1	16.5	6.6	0.0
109.1	85°	46.3	23.1	9.9	6.6	3.3	0.0	6.6	3.3	0.0	0.0
19.8	87.5°	16.5	3.3	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°
6541.1
6111.2
5115.8
3812.9
2572.8
2083.4
2030.5
2000.7
1954.4
1908.1
1878.3
1855.2
1832.0
1808.9
1792.4
1772.5
1709.7
1570.8
1388.9
1200.4
1031.8
883.0
760.6
644.9
539.0
423.3
324.1
274.5
224.9
172.0
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