

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: P853116

Luminaire Tested: **GLAN-SB8D-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853116  
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-SB8D-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 2700K, 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: 49674 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

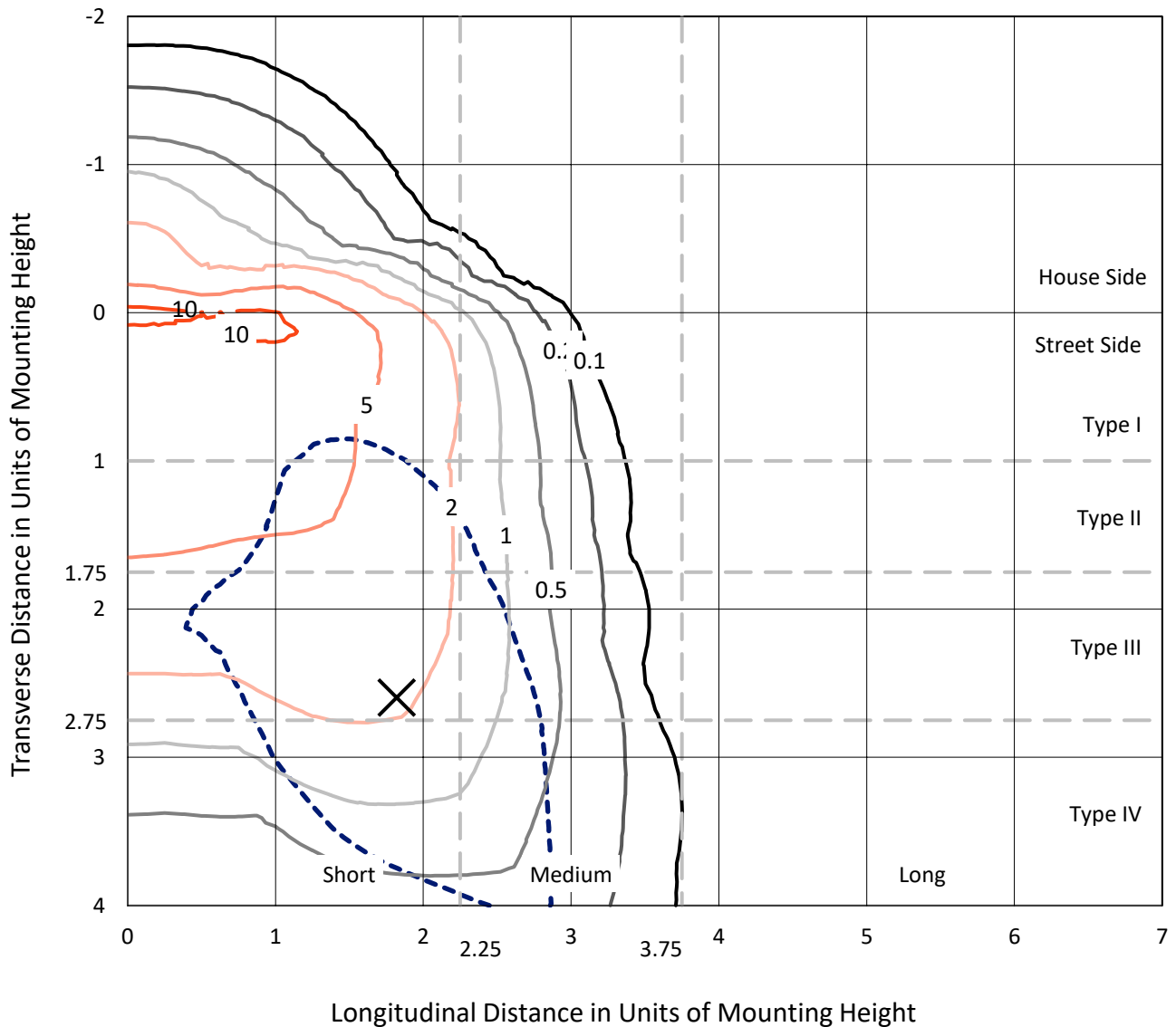
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

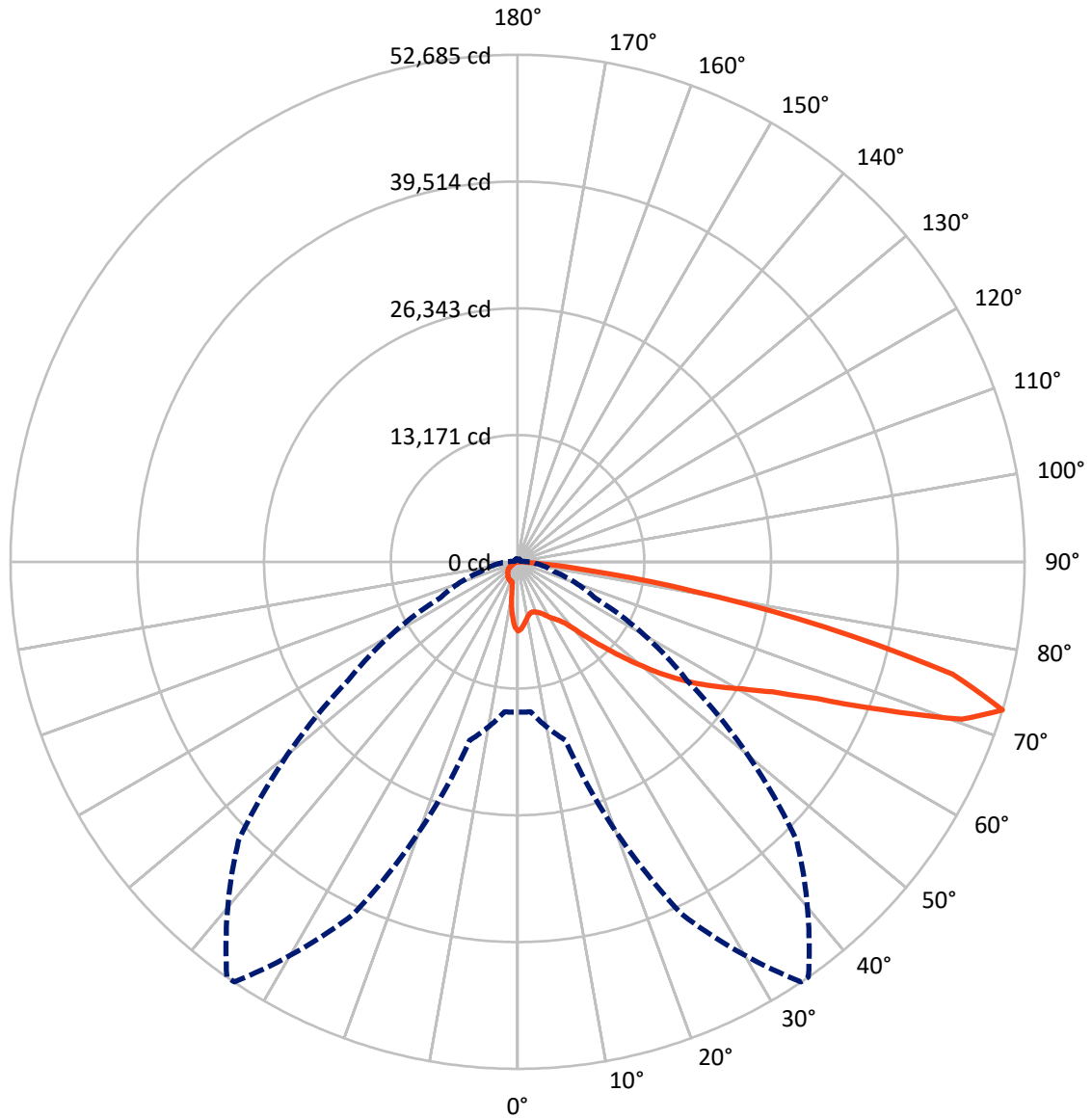
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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	5590.6	0.0	5590.6
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	44083.4	0.0	44083.4
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	49674.0	0.0	49674.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	591.6	1.2
10°-20°	1384.0	2.8
20°-30°	2248.2	4.5
30°-40°	3751.2	7.6
40°-50°	7097.3	14.3
50°-60°	11277.6	22.7
60°-70°	13951.2	28.1
70°-80°	8672.1	17.5
80°-90°	700.8	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°	49674.0	100.0
0°-180°	49674.0	100.0

**Coefficient of Utilization**

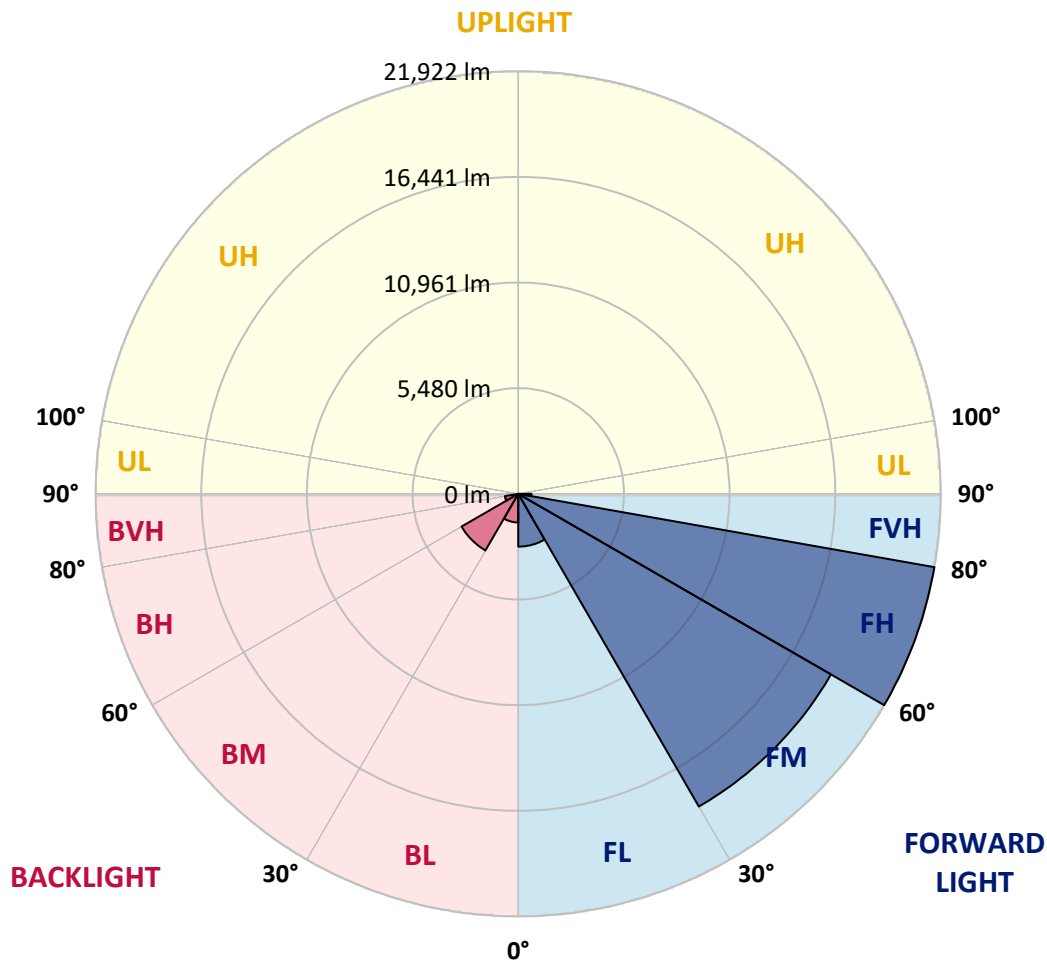


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2738.3	5.5			
FM (30°-60°)	18732.1	37.7			
FH (60°-80°)	21921.8	44.1			G5
FVH (80°-90°)	691.3	1.4			G4/750
BL (0°-30°)	1485.5	3.0	B3/2500		
BM (30°-60°)	3394.0	6.8	B3/5000		
BH (60°-80°)	701.5	1.4	B2/1000		G2/1000
BVH (80°-90°)	9.5	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°	7199.4	7199.4	7199.4	7199.4	7199.4	7199.4	7199.4	7199.4	7199.4	7199.4
2.5°	6879.1	6937.4	6948.3	6966.5	6966.5	6988.3	7024.7	7075.7	7159.4	7203.1
5°	6340.4	6384.1	6438.7	6482.4	6566.1	6577.0	6719.0	6857.3	7050.2	7195.8
7.5°	5798.1	5849.1	5921.9	6027.4	6136.6	6169.4	6384.1	6617.1	6922.8	7195.8
10°	5415.9	5419.6	5485.1	5590.7	5765.4	5805.4	6067.5	6398.7	6780.9	7152.1
12.5°	5201.2	5226.7	5255.8	5335.9	5503.3	5528.8	5809.0	6198.5	6638.9	7126.6
15°	5201.2	5219.4	5237.6	5277.6	5412.3	5434.1	5681.7	6071.1	6566.1	7137.6
17.5°	5255.8	5284.9	5270.4	5317.7	5459.6	5474.2	5692.6	6034.7	6562.5	7206.7
20°	5386.8	5408.7	5379.6	5408.7	5550.6	5579.7	5805.4	6103.9	6624.3	7326.8
22.5°	5594.3	5605.2	5536.1	5557.9	5703.5	5739.9	6001.9	6300.4	6773.6	7519.7
25°	5856.4	5878.2	5772.6	5798.1	5936.4	5980.1	6282.2	6595.2	7010.2	7785.4
27.5°	6158.5	6169.4	6078.4	6074.7	6253.1	6315.0	6620.7	6959.2	7326.8	8120.3
30°	6504.2	6537.0	6449.6	6435.1	6660.7	6711.7	7013.8	7406.9	7792.7	8622.6
32.5°	6777.2	6802.7	6751.7	6788.1	7017.4	7057.5	7490.6	8040.2	8524.3	9336.0
35°	7170.3	7184.9	7068.4	7133.9	7396.0	7497.9	8142.1	8928.3	9445.2	10231.3
37.5°	8593.5	8593.5	8098.4	7774.5	8025.7	8116.6	9033.9	10045.7	10580.8	11432.5
40°	10562.6	10529.8	9805.5	9143.1	9110.3	9288.6	10304.1	11454.3	12047.6	12873.8
42.5°	12662.7	12611.7	11625.4	10970.2	10861.0	10922.9	11771.0	13190.5	13794.7	14631.8
45°	14526.2	14511.7	13609.0	12728.2	12531.7	12728.2	13601.8	15221.4	15654.6	16535.4
47.5°	16087.7	16087.7	15428.9	14853.8	14751.9	14868.4	16080.4	17474.4	17434.4	18562.7
50°	17885.7	17871.2	17245.1	16997.6	17103.2	17267.0	18934.0	19847.6	19276.1	20553.7
52.5°	19145.1	19232.4	19017.7	18977.7	19516.3	19800.2	21831.2	22169.7	20924.9	22442.7
55°	20142.4	20244.3	20491.8	20772.1	21809.4	22180.6	24637.5	24371.8	22304.4	24080.6
57.5°	21554.6	21409.0	21791.2	22344.4	24022.4	24470.0	27356.4	26450.1	23414.5	25409.1
60°	23268.9	23290.8	23356.3	24055.1	26231.7	26806.8	30035.2	28415.5	24127.9	26224.4
62.5°	25329.0	25361.8	25496.5	26570.2	29198.1	29740.4	32888.8	30024.3	24455.5	25995.1
65°	25187.1	25325.4	26828.6	30501.1	33707.7	34242.8	36219.2	31152.6	23960.5	23898.6
67.5°	22945.0	23170.7	25685.7	35196.4	40506.8	41103.7	40244.7	31374.7	21823.9	18584.6
70°	20004.1	20084.1	23108.8	39418.5	48379.6	48983.8	43848.1	28932.4	16560.9	10366.0
72.5°	15621.8	15640.0	19188.8	40397.6	52652.6	52685.4	41020.0	21478.2	8906.5	3981.9
75°	11159.5	11050.3	12852.0	32761.4	46323.1	46694.4	30752.3	10074.8	3403.2	1881.8
77.5°	5983.8	6103.9	7272.2	19429.0	32000.7	32634.0	16779.3	2904.5	1732.5	1281.2
80°	1849.0	1950.9	2981.0	8895.6	18126.0	18508.1	6220.3	1292.1	1208.4	913.6
82.5°	582.4	604.2	1390.4	3738.0	7523.4	7698.1	1801.7	731.6	826.2	604.2
85°	167.4	171.1	618.8	1394.0	1859.9	1896.3	505.9	283.9	473.2	374.9
87.5°	18.2	58.2	232.9	232.9	163.8	160.1	54.6	61.9	134.7	47.3
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°
7199.4	0°	7199.4	7199.4	7199.4	7199.4	7199.4	7199.4	7199.4	7199.4	7199.4	7199.4
7232.2	2.5°	7214.0	7217.6	7170.3	7090.2	7002.9	6930.1	6839.1	6766.3	6715.3	6700.8
7297.7	5°	7264.9	7239.5	7104.8	6860.9	6569.8	6318.6	6038.3	5816.3	5670.7	5608.9
7366.9	7.5°	7341.4	7268.6	6973.8	6493.3	5936.4	5441.4	4939.1	4549.7	4302.2	4178.4
7432.4	10°	7406.9	7261.3	6755.4	5961.9	5110.2	4360.4	3683.4	3213.9	2951.8	2828.1
7508.8	12.5°	7468.8	7257.7	6471.5	5332.2	4178.4	3261.2	2631.5	2398.6	2325.8	2300.3
7632.6	15°	7585.2	7268.6	6114.8	4611.6	3250.3	2464.1	2234.8	2231.2	2245.7	2238.4
7821.8	17.5°	7745.4	7279.5	5710.8	3847.2	2507.8	2172.9	2162.0	2194.8	2216.6	2205.7
8058.4	20°	7952.9	7323.2	5281.3	3090.1	2154.7	2100.1	2125.6	2154.7	2172.9	2154.7
8375.1	22.5°	8244.0	7399.6	4811.8	2482.3	2041.9	2056.5	2078.3	2111.1	2129.3	2103.8
8779.1	25°	8600.7	7519.7	4349.5	2158.4	1987.3	2005.5	2038.3	2074.7	2096.5	2071.0
9288.6	27.5°	9063.0	7712.6	3923.7	2085.6	1932.7	1943.6	1990.9	2045.5	2074.7	2041.9
10013.0	30°	9732.7	8029.3	3556.0	2118.3	1900.0	1874.5	1940.0	2016.4	2049.2	2020.1
10999.3	32.5°	10620.8	8477.0	3330.4	2169.3	1885.4	1794.4	1856.3	1954.5	2009.1	1990.9
12287.8	35°	11785.5	9157.6	3243.0	2227.5	1874.5	1710.7	1754.4	1859.9	1954.5	1972.7
13911.1	37.5°	13197.7	10103.9	3268.5	2253.0	1841.7	1641.5	1663.4	1754.4	1878.1	1936.3
15738.3	40°	14802.9	11206.8	3414.1	2227.5	1805.3	1583.3	1586.9	1656.1	1765.3	1852.6
17703.8	42.5°	16459.0	12495.3	3683.4	2132.9	1772.6	1532.3	1521.4	1568.7	1641.5	1703.4
19665.6	45°	18035.0	13820.1	3949.1	2001.9	1732.5	1481.4	1455.9	1474.1	1488.7	1514.1
21576.4	47.5°	19410.8	14751.9	3872.7	1881.8	1677.9	1423.1	1379.5	1372.2	1328.5	1324.9
23283.5	50°	20360.8	14955.7	3439.6	1761.6	1597.9	1357.6	1288.5	1244.8	1168.4	1132.0
24561.0	52.5°	20662.9	14151.4	2809.9	1641.5	1466.8	1270.3	1172.0	1102.8	1008.2	975.5
25296.3	55°	20262.5	12575.3	2245.7	1495.9	1284.8	1153.8	1044.6	953.6	877.2	837.1
25376.3	57.5°	19283.4	10569.8	1776.2	1324.9	1091.9	1022.8	913.6	822.6	757.1	717.0
24488.2	60°	17660.1	8393.3	1404.9	1121.0	931.8	880.8	768.0	709.8	651.5	604.2
22195.2	62.5°	15196.0	5991.0	1102.8	888.1	778.9	720.7	655.2	611.5	542.3	476.8
18071.4	65°	11858.3	3665.2	851.7	651.5	626.0	596.9	556.9	516.8	433.1	367.6
11789.2	67.5°	7479.7	1736.2	607.8	491.4	495.0	480.4	462.2	429.5	367.6	309.4
5281.3	70°	3294.0	840.8	400.4	374.9	367.6	367.6	382.2	371.3	313.0	258.4
1834.4	72.5°	1121.0	451.3	298.5	283.9	265.7	262.1	320.3	309.4	251.1	200.2
913.6	75°	586.0	302.1	218.4	203.8	160.1	192.9	254.8	240.2	178.3	131.0
604.2	77.5°	382.2	214.7	149.2	131.0	91.0	127.4	189.3	167.4	105.6	65.5
396.7	80°	240.2	142.0	87.4	61.9	43.7	69.2	101.9	72.8	40.0	14.6
232.9	82.5°	127.4	72.8	32.8	21.8	18.2	21.8	25.5	18.2	7.3	0.0
120.1	85°	51.0	25.5	10.9	7.3	3.6	0.0	7.3	3.6	0.0	0.0
21.8	87.5°	18.2	3.6	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°
7199.4
6726.3
5630.7
4196.6
2831.7
2293.0
2234.8
2202.0
2151.1
2100.1
2067.4
2041.9
2016.4
1990.9
1972.7
1950.9
1881.8
1728.9
1528.7
1321.2
1135.6
971.8
837.1
709.8
593.3
465.9
356.7
302.1
247.5
189.3
120.1
58.2
10.9
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