

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: P853106

Luminaire Tested: **GLAN-SB8D-730-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853106  
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-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 60182 lumens  
Efficiency: N/A  
Efficacy: 102.9 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

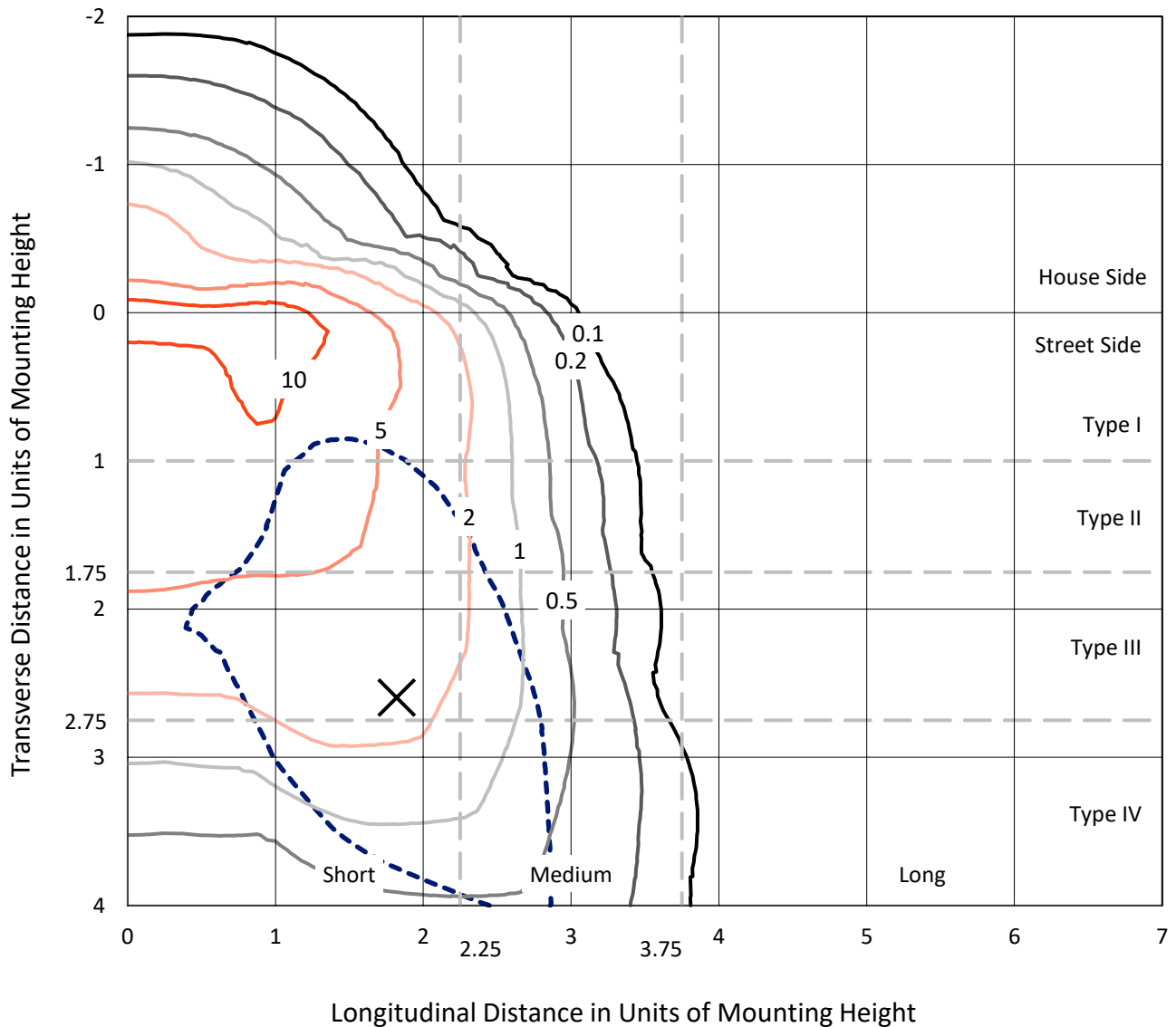
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

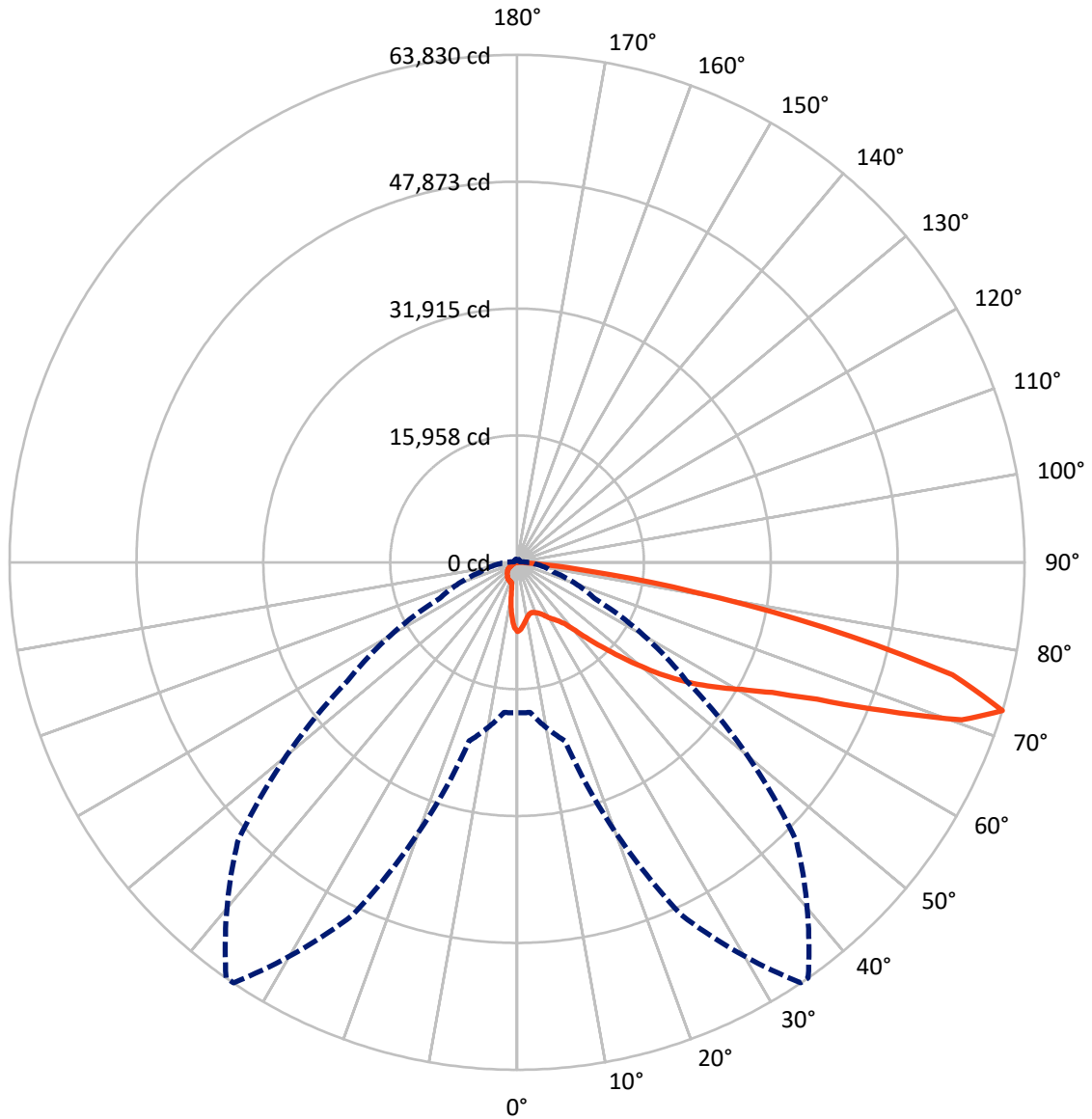
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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	6773.2	0.0	6773.2
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	53408.8	0.0	53408.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	60182.0	0.0	60182.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	716.7	1.2
10°-20°	1676.7	2.8
20°-30°	2723.8	4.5
30°-40°	4544.7	7.6
40°-50°	8598.7	14.3
50°-60°	13663.2	22.7
60°-70°	16902.4	28.1
70°-80°	10506.6	17.5
80°-90°	849.1	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°	60182.0	100.0
0°-180°	60182.0	100.0

**Coefficient of Utilization**

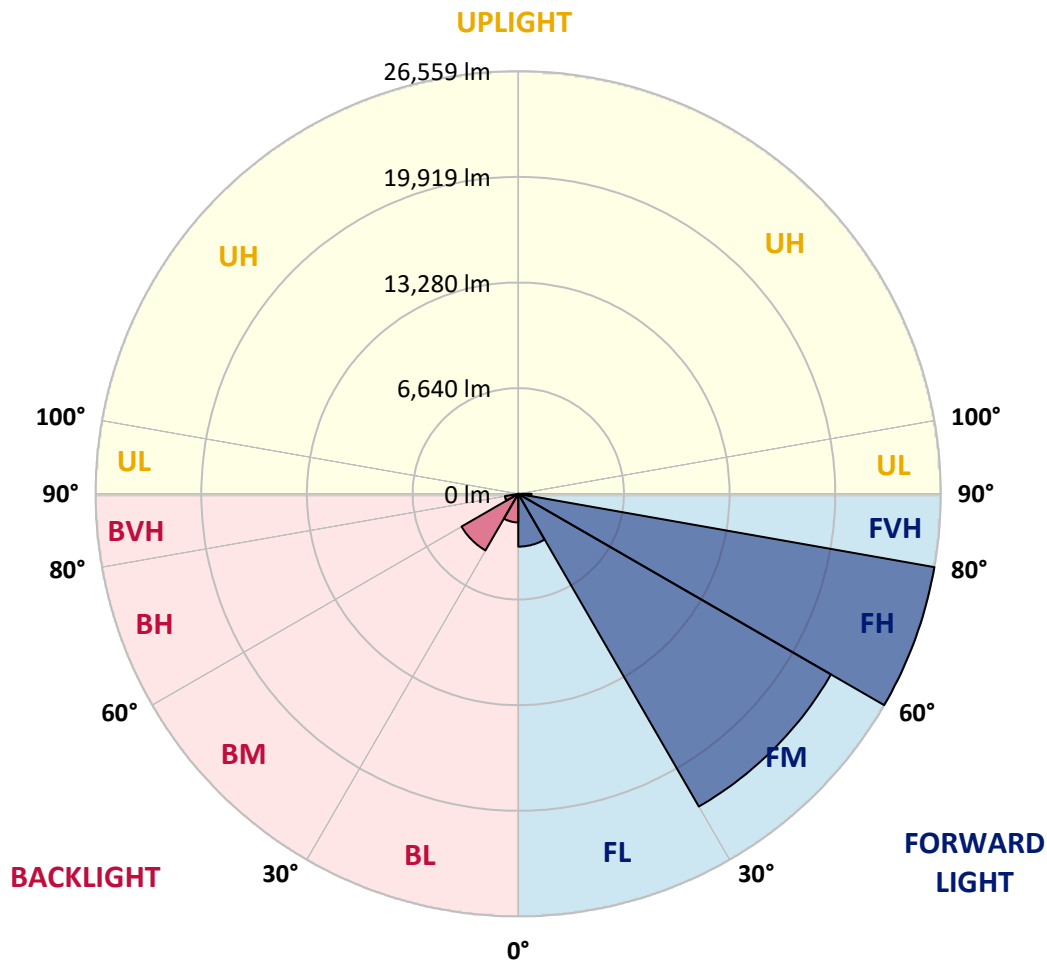


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3317.6	5.5			
FM (30°-60°)	22694.6	37.7			
FH (60°-80°)	26559.1	44.1			G5
FVH (80°-90°)	837.5	1.4			G5
BL (0°-30°)	1799.8	3.0	B3/2500		
BM (30°-60°)	4111.9	6.8	B3/5000		
BH (60°-80°)	849.9	1.4	B2/1000		G2/1000
BVH (80°-90°)	11.6	0.0			G1/100
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°	8722.4	8722.4	8722.4	8722.4	8722.4	8722.4	8722.4	8722.4	8722.4	8722.4
2.5°	8334.3	8404.9	8418.1	8440.2	8440.2	8466.6	8510.7	8572.5	8673.9	8726.8
5°	7681.7	7734.6	7800.8	7853.7	7955.1	7968.3	8140.3	8307.9	8541.6	8718.0
7.5°	7024.7	7086.4	7174.6	7302.5	7434.8	7474.4	7734.6	8016.8	8387.3	8718.0
10°	6561.6	6566.0	6645.4	6773.3	6985.0	7033.5	7351.0	7752.3	8215.3	8665.1
12.5°	6301.5	6332.3	6367.6	6464.6	6667.5	6698.3	7037.9	7509.7	8043.3	8634.2
15°	6301.5	6323.5	6345.6	6394.1	6557.2	6583.7	6883.5	7355.4	7955.1	8647.4
17.5°	6367.6	6402.9	6385.2	6442.6	6614.6	6632.2	6896.8	7311.3	7950.7	8731.2
20°	6526.4	6552.8	6517.5	6552.8	6724.8	6760.1	7033.5	7395.1	8025.7	8876.7
22.5°	6777.7	6790.9	6707.2	6733.6	6910.0	6954.1	7271.6	7633.2	8206.5	9110.4
25°	7095.2	7121.7	6993.8	7024.7	7192.2	7245.1	7611.1	7990.4	8493.1	9432.4
27.5°	7461.2	7474.4	7364.2	7359.8	7575.9	7650.8	8021.2	8431.3	8876.7	9838.0
30°	7880.1	7919.8	7814.0	7796.4	8069.8	8131.5	8497.5	8973.7	9441.2	10446.6
32.5°	8210.9	8241.7	8180.0	8224.1	8501.9	8550.4	9075.2	9741.0	10327.5	11310.9
35°	8687.1	8704.8	8563.6	8643.0	8960.5	9084.0	9864.5	10817.0	11443.2	12395.7
37.5°	10411.3	10411.3	9811.6	9419.1	9723.4	9833.6	10944.9	12170.8	12819.0	13850.9
40°	12797.0	12757.3	11879.7	11077.2	11037.5	11253.6	12483.9	13877.3	14596.1	15597.1
42.5°	15341.4	15279.6	14084.6	13290.8	13158.5	13233.5	14261.0	15980.8	16712.8	17727.0
45°	17599.1	17581.5	16487.9	15420.7	15182.6	15420.7	16479.1	18441.4	18966.1	20033.3
47.5°	19490.9	19490.9	18692.7	17996.0	17872.5	18013.6	19482.1	21171.0	21122.5	22489.5
50°	21669.3	21651.6	20893.2	20593.3	20721.2	20919.6	22939.3	24046.1	23353.8	24901.6
52.5°	23195.0	23300.9	23040.7	22992.2	23644.8	23988.8	26449.4	26859.5	25351.4	27190.2
55°	24403.3	24526.8	24826.6	25166.2	26422.9	26872.7	29849.3	29527.4	27022.7	29174.6
57.5°	26114.3	25937.9	26400.9	27071.2	29104.0	29646.4	33143.3	32045.3	28367.6	30784.1
60°	28191.2	28217.7	28297.1	29143.7	31780.7	32477.5	36388.9	34426.5	29231.9	31771.9
62.5°	30687.1	30726.8	30890.0	32190.8	35374.6	36031.7	39846.1	36375.6	29628.8	31494.1
65°	30515.1	30682.7	32503.9	36953.3	40838.2	41486.5	43880.9	37742.6	29029.1	28954.1
67.5°	27798.8	28072.2	31119.3	42641.8	49075.6	49798.8	48758.1	38011.6	26440.6	22515.9
70°	24235.7	24332.7	27997.2	47757.1	58613.8	59345.8	53123.7	35052.7	20064.1	12558.8
72.5°	18926.4	18948.5	23247.9	48943.3	63790.7	63830.4	49697.3	26021.6	10790.5	4824.2
75°	13520.1	13387.9	15570.7	39691.7	56122.3	56572.1	37257.6	12206.1	4123.1	2279.8
77.5°	7249.5	7395.1	8810.6	23539.0	38770.1	39537.4	20328.7	3518.9	2099.0	1552.2
80°	2240.1	2363.6	3611.5	10777.3	21960.3	22423.3	7536.2	1565.4	1464.0	1106.8
82.5°	705.6	732.0	1684.5	4528.8	9114.9	9326.5	2182.8	886.4	1001.0	732.0
85°	202.8	207.3	749.6	1688.9	2253.4	2297.5	612.9	344.0	573.3	454.2
87.5°	22.0	70.6	282.2	282.2	198.4	194.0	66.1	75.0	163.2	57.3
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°
8722.4	0°	8722.4	8722.4	8722.4	8722.4	8722.4	8722.4	8722.4	8722.4	8722.4	8722.4
8762.1	2.5°	8740.0	8744.4	8687.1	8590.1	8484.3	8396.1	8285.8	8197.6	8135.9	8118.3
8841.5	5°	8801.8	8770.9	8607.7	8312.3	7959.5	7655.2	7315.7	7046.7	6870.3	6795.4
8925.2	7.5°	8894.4	8806.2	8449.0	7866.9	7192.2	6592.5	5984.0	5512.1	5212.3	5062.3
9004.6	10°	8973.7	8797.4	8184.4	7223.1	6191.2	5282.8	4462.6	3893.8	3576.3	3426.3
9097.2	12.5°	9048.7	8792.9	7840.4	6460.2	5062.3	3951.1	3188.2	2906.0	2817.8	2786.9
9247.1	15°	9189.8	8806.2	7408.3	5587.1	3937.9	2985.4	2707.6	2703.1	2720.8	2712.0
9476.4	17.5°	9383.8	8819.4	6918.8	4661.1	3038.3	2632.6	2619.4	2659.1	2685.5	2672.3
9763.1	20°	9635.2	8872.3	6398.5	3743.8	2610.5	2544.4	2575.3	2610.5	2632.6	2610.5
10146.7	22.5°	9988.0	8964.9	5829.6	3007.4	2473.8	2491.5	2517.9	2557.6	2579.7	2548.8
10636.2	25°	10420.1	9110.4	5269.6	2615.0	2407.7	2429.7	2469.4	2513.5	2540.0	2509.1
11253.6	27.5°	10980.2	9344.2	4753.7	2526.8	2341.6	2354.8	2412.1	2478.3	2513.5	2473.8
12131.1	30°	11791.5	9727.8	4308.3	2566.4	2301.9	2271.0	2350.4	2443.0	2482.7	2447.4
13326.1	32.5°	12867.5	10270.2	4034.9	2628.2	2284.2	2174.0	2248.9	2368.0	2434.2	2412.1
14887.2	35°	14278.6	11094.8	3929.0	2698.7	2271.0	2072.6	2125.5	2253.4	2368.0	2390.1
16853.9	37.5°	15989.6	12241.3	3959.9	2729.6	2231.3	1988.8	2015.2	2125.5	2275.4	2346.0
19067.5	40°	17934.3	13577.5	4136.3	2698.7	2187.2	1918.2	1922.6	2006.4	2138.7	2244.5
21448.8	42.5°	19940.7	15138.5	4462.6	2584.1	2147.5	1856.5	1843.3	1900.6	1988.8	2063.7
23825.6	45°	21850.1	16743.6	4784.5	2425.3	2099.0	1794.7	1763.9	1785.9	1803.6	1834.4
26140.7	47.5°	23516.9	17872.5	4691.9	2279.8	2032.9	1724.2	1671.3	1662.5	1609.5	1605.1
28208.9	50°	24667.9	18119.5	4167.2	2134.3	1935.9	1644.8	1561.0	1508.1	1415.5	1371.4
29756.7	52.5°	25033.9	17144.9	3404.3	1988.8	1777.1	1539.0	1419.9	1336.1	1221.5	1181.8
30647.4	55°	24548.8	15235.5	2720.8	1812.4	1556.6	1397.9	1265.6	1155.3	1062.7	1014.2
30744.4	57.5°	23362.6	12805.8	2151.9	1605.1	1322.9	1239.1	1106.8	996.6	917.2	868.7
29668.5	60°	21395.9	10168.8	1702.1	1358.2	1128.9	1067.1	930.4	859.9	789.3	732.0
26890.4	62.5°	18410.5	7258.4	1336.1	1076.0	943.7	873.1	793.7	740.8	657.0	577.7
21894.2	65°	14366.8	4440.6	1031.9	789.3	758.5	723.2	674.7	626.2	524.8	445.4
14283.0	67.5°	9061.9	2103.4	736.4	595.3	599.7	582.1	560.0	520.3	445.4	374.8
6398.5	70°	3990.8	1018.6	485.1	454.2	445.4	445.4	463.0	449.8	379.2	313.1
2222.5	72.5°	1358.2	546.8	361.6	344.0	321.9	317.5	388.1	374.8	304.3	242.5
1106.8	75°	710.0	366.0	264.6	246.9	194.0	233.7	308.7	291.0	216.1	158.7
732.0	77.5°	463.0	260.2	180.8	158.7	110.2	154.3	229.3	202.8	127.9	79.4
480.7	80°	291.0	172.0	105.8	75.0	52.9	83.8	123.5	88.2	48.5	17.6
282.2	82.5°	154.3	88.2	39.7	26.5	22.0	26.5	30.9	22.0	8.8	0.0
145.5	85°	61.7	30.9	13.2	8.8	4.4	0.0	8.8	4.4	0.0	0.0
26.5	87.5°	22.0	4.4	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°
8722.4
8149.1
6821.8
5084.4
3430.7
2778.1
2707.6
2667.9
2606.1
2544.4
2504.7
2473.8
2443.0
2412.1
2390.1
2363.6
2279.8
2094.6
1852.1
1600.7
1375.8
1177.4
1014.2
859.9
718.8
564.4
432.2
366.0
299.9
229.3
145.5
70.6
13.2
0.0
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