

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: P852972

Luminaire Tested: **GLAN-SB7D-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852972
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-SB7D-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 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: 53769 lumens
Efficiency: N/A
Efficacy: 104.9 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

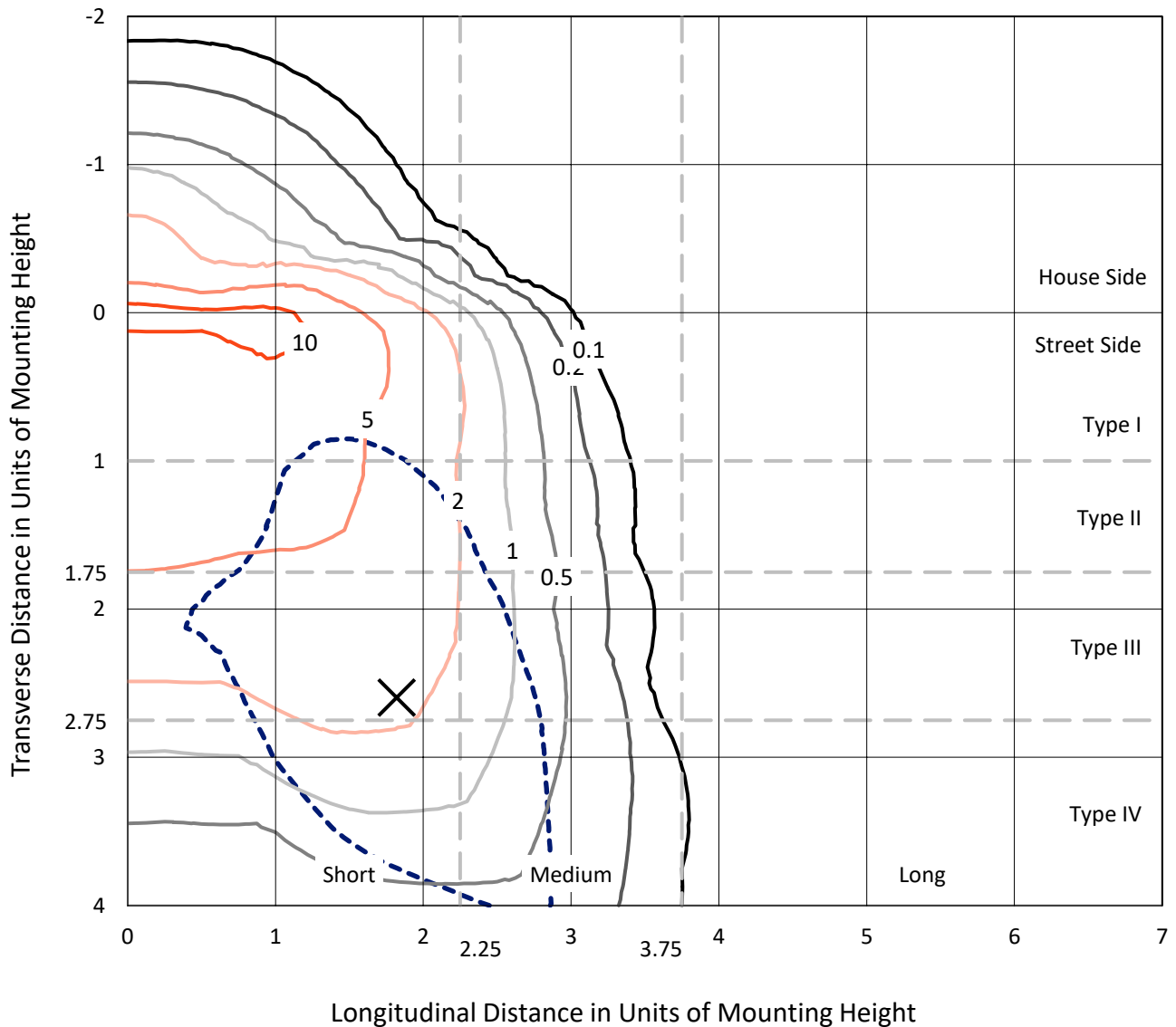
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

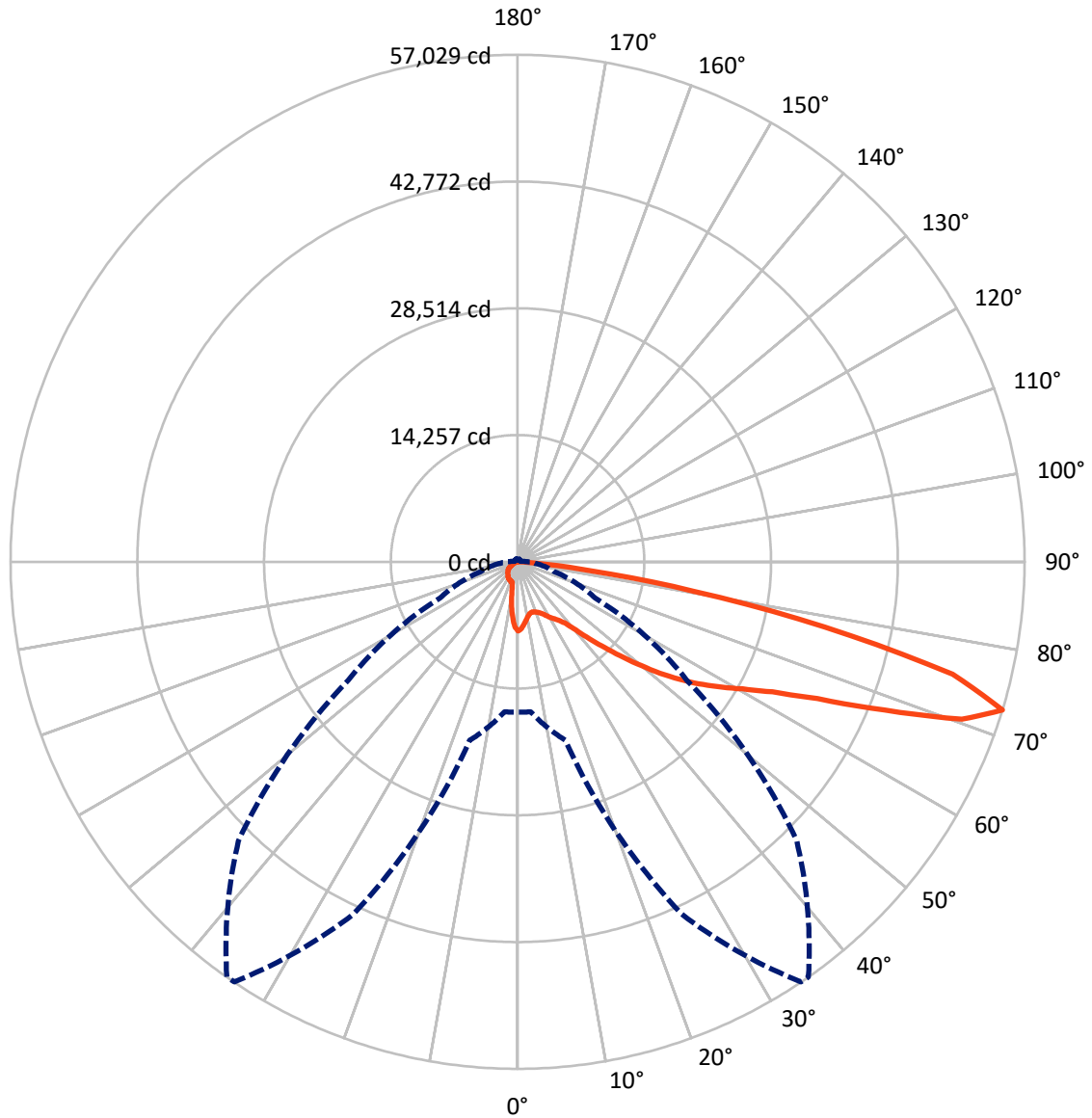
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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	6051.5	0.0	6051.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	47717.5	0.0	47717.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	53769.0	0.0	53769.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.4	1.2
10°-20°	1498.1	2.8
20°-30°	2433.6	4.5
30°-40°	4060.4	7.6
40°-50°	7682.4	14.3
50°-60°	12207.3	22.7
60°-70°	15101.3	28.1
70°-80°	9387.0	17.5
80°-90°	758.6	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°	53769.0	100.0
0°-180°	53769.0	100.0

Coefficient of Utilization

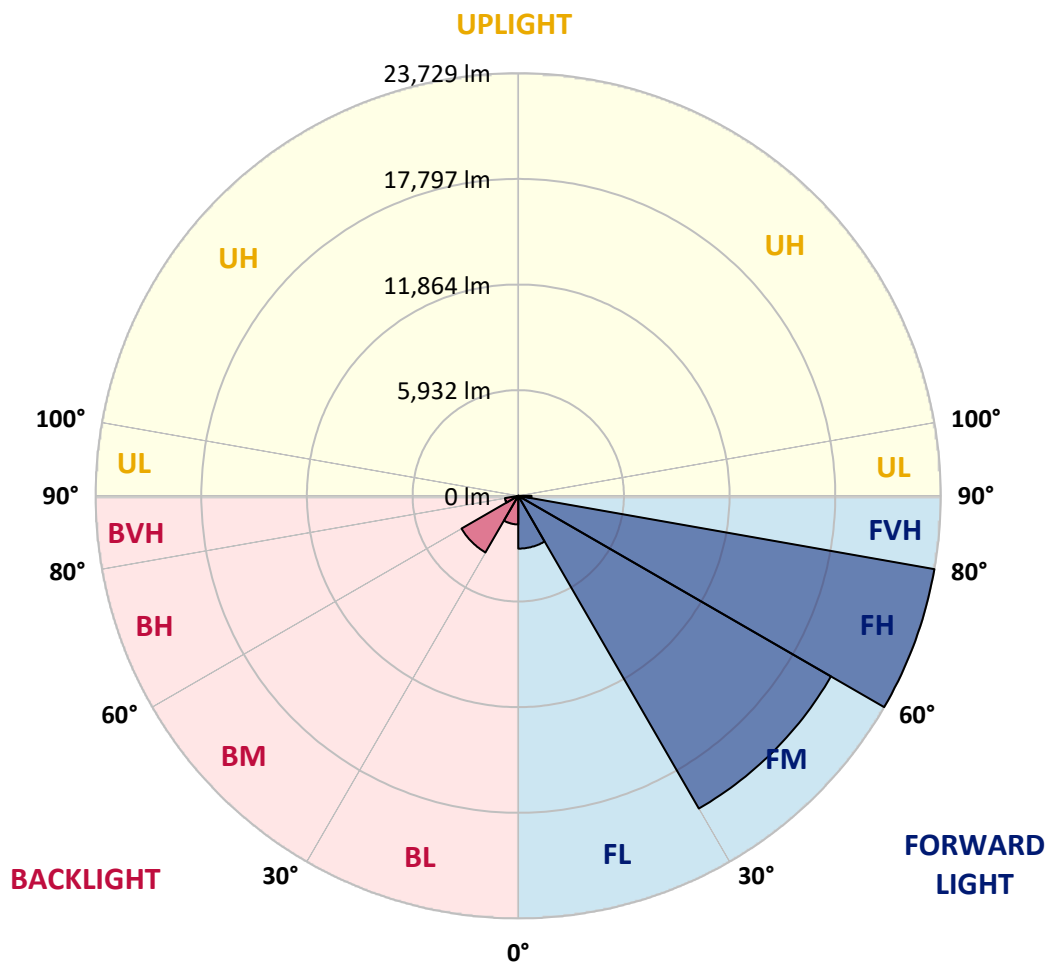


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2964.0	5.5			
FM (30°-60°)	20276.3	37.7			
FH (60°-80°)	23728.9	44.1			G5
FVH (80°-90°)	748.3	1.4			G4/750
BL (0°-30°)	1608.0	3.0	B3/2500		
BM (30°-60°)	3673.8	6.8	B3/5000		
BH (60°-80°)	759.4	1.4	B2/1000		G2/1000
BVH (80°-90°)	10.3	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°	7792.9	7792.9	7792.9	7792.9	7792.9	7792.9	7792.9	7792.9	7792.9	7792.9
2.5°	7446.2	7509.3	7521.1	7540.8	7540.8	7564.4	7603.8	7659.0	7749.6	7796.9
5°	6863.1	6910.4	6969.5	7016.8	7107.4	7119.2	7272.9	7422.6	7631.4	7789.0
7.5°	6276.1	6331.3	6410.1	6524.3	6642.5	6678.0	6910.4	7162.6	7493.5	7789.0
10°	5862.4	5866.4	5937.3	6051.5	6240.6	6284.0	6567.7	6926.2	7339.9	7741.7
12.5°	5630.0	5657.6	5689.1	5775.8	5957.0	5984.6	6287.9	6709.5	7186.2	7714.1
15°	5630.0	5649.7	5669.4	5712.7	5858.5	5882.1	6150.0	6571.6	7107.4	7726.0
17.5°	5689.1	5720.6	5704.8	5756.1	5909.7	5925.5	6161.9	6532.2	7103.5	7800.8
20°	5830.9	5854.5	5823.0	5854.5	6008.2	6039.7	6284.0	6607.1	7170.4	7930.8
22.5°	6055.5	6067.3	5992.4	6016.1	6173.7	6213.1	6496.7	6819.8	7332.0	8139.6
25°	6339.1	6362.8	6248.5	6276.1	6425.8	6473.1	6800.1	7138.9	7588.1	8427.2
27.5°	6666.1	6678.0	6579.5	6575.5	6768.6	6835.6	7166.5	7532.9	7930.8	8789.7
30°	7040.4	7075.9	6981.3	6965.6	7209.8	7265.0	7592.0	8017.5	8435.1	9333.4
32.5°	7335.9	7363.5	7308.3	7347.7	7595.9	7639.3	8108.1	8703.0	9227.0	10105.6
35°	7761.4	7777.2	7651.1	7722.0	8005.7	8116.0	8813.3	9664.3	10223.8	11074.8
37.5°	9301.9	9301.9	8766.1	8415.4	8687.3	8785.8	9778.6	10873.9	11453.0	12374.9
40°	11433.3	11397.9	10613.8	9896.8	9861.3	10054.4	11153.6	12398.6	13040.7	13935.1
42.5°	13706.6	13651.4	12583.7	11874.6	11756.4	11823.3	12741.3	14277.8	14931.9	15838.0
45°	15723.8	15708.0	14730.9	13777.5	13564.7	13777.5	14723.0	16476.3	16945.1	17898.5
47.5°	17413.9	17413.9	16700.8	16078.3	15968.0	16094.1	17406.1	18915.0	18871.7	20093.0
50°	19360.2	19344.4	18666.8	18398.9	18513.1	18690.4	20494.9	21483.7	20865.2	22248.1
52.5°	20723.4	20817.9	20585.5	20542.1	21125.2	21432.5	23630.9	23997.3	22649.9	24292.8
55°	21802.9	21913.2	22181.1	22484.5	23607.3	24009.2	26668.5	26380.9	24143.1	26065.7
57.5°	23331.5	23173.9	23587.6	24186.5	26002.7	26487.3	29611.6	28630.6	25344.8	27503.8
60°	25187.2	25210.8	25281.7	26038.2	28394.2	29016.7	32511.3	30758.0	26117.0	28386.3
62.5°	27417.1	27452.5	27598.3	28760.6	31605.1	32192.1	35600.1	32499.4	26471.5	28138.1
65°	27263.4	27413.2	29040.3	33015.6	36486.5	37065.7	39205.0	33720.8	25935.7	25868.7
67.5°	24836.5	25080.8	27803.2	38097.9	43846.1	44492.2	43562.4	33961.1	23623.1	20116.6
70°	21653.2	21739.8	25013.8	42668.1	52367.9	53021.9	47462.8	31317.5	17926.1	11220.6
72.5°	16909.6	16929.3	20770.6	43727.9	56993.2	57028.7	44401.6	23248.8	9640.7	4310.1
75°	12079.4	11961.2	13911.4	35462.2	50141.9	50543.7	33287.4	10905.4	3683.7	2036.9
77.5°	6477.0	6607.1	7871.7	21030.7	34638.8	35324.3	18162.5	3144.0	1875.3	1386.8
80°	2001.4	2111.7	3226.7	9628.9	19620.2	20033.9	6733.1	1398.6	1308.0	988.9
82.5°	630.4	654.0	1505.0	4046.2	8143.6	8332.7	1950.2	791.9	894.3	654.0
85°	181.2	185.2	669.8	1508.9	2013.2	2052.6	547.6	307.3	512.2	405.8
87.5°	19.7	63.0	252.1	252.1	177.3	173.4	59.1	67.0	145.8	51.2
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°
7792.9	0°	7792.9	7792.9	7792.9	7792.9	7792.9	7792.9	7792.9	7792.9	7792.9	7792.9
7828.4	2.5°	7808.7	7812.6	7761.4	7674.7	7580.2	7501.4	7402.9	7324.1	7268.9	7253.2
7899.3	5°	7863.8	7836.3	7690.5	7426.5	7111.3	6839.5	6536.1	6295.8	6138.2	6071.2
7974.2	7.5°	7946.6	7867.8	7548.7	7028.6	6425.8	5890.0	5346.3	4924.8	4656.8	4522.9
8045.1	10°	8017.5	7859.9	7312.3	6453.4	5531.5	4719.9	3987.1	3478.8	3195.2	3061.2
8127.8	12.5°	8084.5	7856.0	7005.0	5771.8	4522.9	3530.1	2848.5	2596.3	2517.5	2490.0
8261.8	15°	8210.6	7867.8	6618.9	4991.7	3518.2	2667.2	2419.0	2415.1	2430.9	2423.0
8466.6	17.5°	8383.9	7879.6	6181.6	4164.4	2714.5	2352.1	2340.2	2375.7	2399.3	2387.5
8722.7	20°	8608.5	7926.9	5716.7	3344.9	2332.4	2273.3	2300.8	2332.4	2352.1	2332.4
9065.5	22.5°	8923.7	8009.6	5208.4	2686.9	2210.2	2226.0	2249.6	2285.1	2304.8	2277.2
9502.8	25°	9309.8	8139.6	4708.1	2336.3	2151.1	2170.8	2206.3	2245.7	2269.3	2241.7
10054.4	27.5°	9810.1	8348.4	4247.1	2257.5	2092.0	2103.9	2155.1	2214.2	2245.7	2210.2
10838.4	30°	10535.0	8691.2	3849.2	2293.0	2056.6	2029.0	2099.9	2182.7	2218.1	2186.6
11906.1	32.5°	11496.3	9175.8	3604.9	2348.1	2040.8	1942.3	2009.3	2115.7	2174.8	2155.1
13300.8	35°	12757.1	9912.5	3510.4	2411.2	2029.0	1851.7	1899.0	2013.2	2115.7	2135.4
15057.9	37.5°	14285.7	10936.9	3537.9	2438.7	1993.5	1776.9	1800.5	1899.0	2032.9	2096.0
17035.7	40°	16023.2	12130.7	3695.5	2411.2	1954.1	1713.8	1717.8	1792.6	1910.8	2005.4
19163.2	42.5°	17815.8	13525.3	3987.1	2308.7	1918.7	1658.7	1646.8	1698.1	1776.9	1843.8
21286.8	45°	19521.7	14959.4	4274.7	2166.9	1875.3	1603.5	1575.9	1595.6	1611.4	1639.0
23355.2	47.5°	21011.0	15968.0	4192.0	2036.9	1816.2	1540.5	1493.2	1485.3	1438.0	1434.1
25202.9	50°	22039.3	16188.7	3723.1	1906.9	1729.6	1469.5	1394.7	1347.4	1264.7	1225.3
26585.8	52.5°	22366.3	15318.0	3041.5	1776.9	1587.7	1375.0	1268.6	1193.8	1091.3	1055.9
27381.6	55°	21932.9	13612.0	2430.9	1619.3	1390.8	1248.9	1130.7	1032.2	949.5	906.2
27468.3	57.5°	20873.1	11441.2	1922.6	1434.1	1181.9	1107.1	988.9	890.4	819.5	776.1
26507.0	60°	19115.9	9085.2	1520.8	1213.5	1008.6	953.4	831.3	768.3	705.2	654.0
24024.9	62.5°	16448.7	6484.9	1193.8	961.3	843.1	780.1	709.2	661.9	587.0	516.1
19561.1	65°	12835.9	3967.4	921.9	705.2	677.6	646.1	602.8	559.5	468.8	397.9
12761.0	67.5°	8096.3	1879.3	657.9	531.9	535.8	520.1	500.4	464.9	397.9	334.9
5716.7	70°	3565.5	910.1	433.4	405.8	397.9	397.9	413.7	401.9	338.8	279.7
1985.7	72.5°	1213.5	488.5	323.1	307.3	287.6	283.7	346.7	334.9	271.8	216.7
988.9	75°	634.3	327.0	236.4	220.6	173.4	208.8	275.8	260.0	193.1	141.8
654.0	77.5°	413.7	232.4	161.5	141.8	98.5	137.9	204.9	181.2	114.3	70.9
429.4	80°	260.0	153.7	94.6	67.0	47.3	74.9	110.3	78.8	43.3	15.8
252.1	82.5°	137.9	78.8	35.5	23.6	19.7	23.6	27.6	19.7	7.9	0.0
130.0	85°	55.2	27.6	11.8	7.9	3.9	0.0	7.9	3.9	0.0	0.0
23.6	87.5°	19.7	3.9	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°
7792.9
7280.8
6094.9
4542.6
3065.2
2482.1
2419.0
2383.6
2328.4
2273.3
2237.8
2210.2
2182.7
2155.1
2135.4
2111.7
2036.9
1871.4
1654.7
1430.1
1229.2
1051.9
906.2
768.3
642.2
504.3
386.1
327.0
267.9
204.9
130.0
63.0
11.8
0.0
0.0
0.0
0.0

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