

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: P850968

Luminaire Tested: **GLAN-SB8D-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64389 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

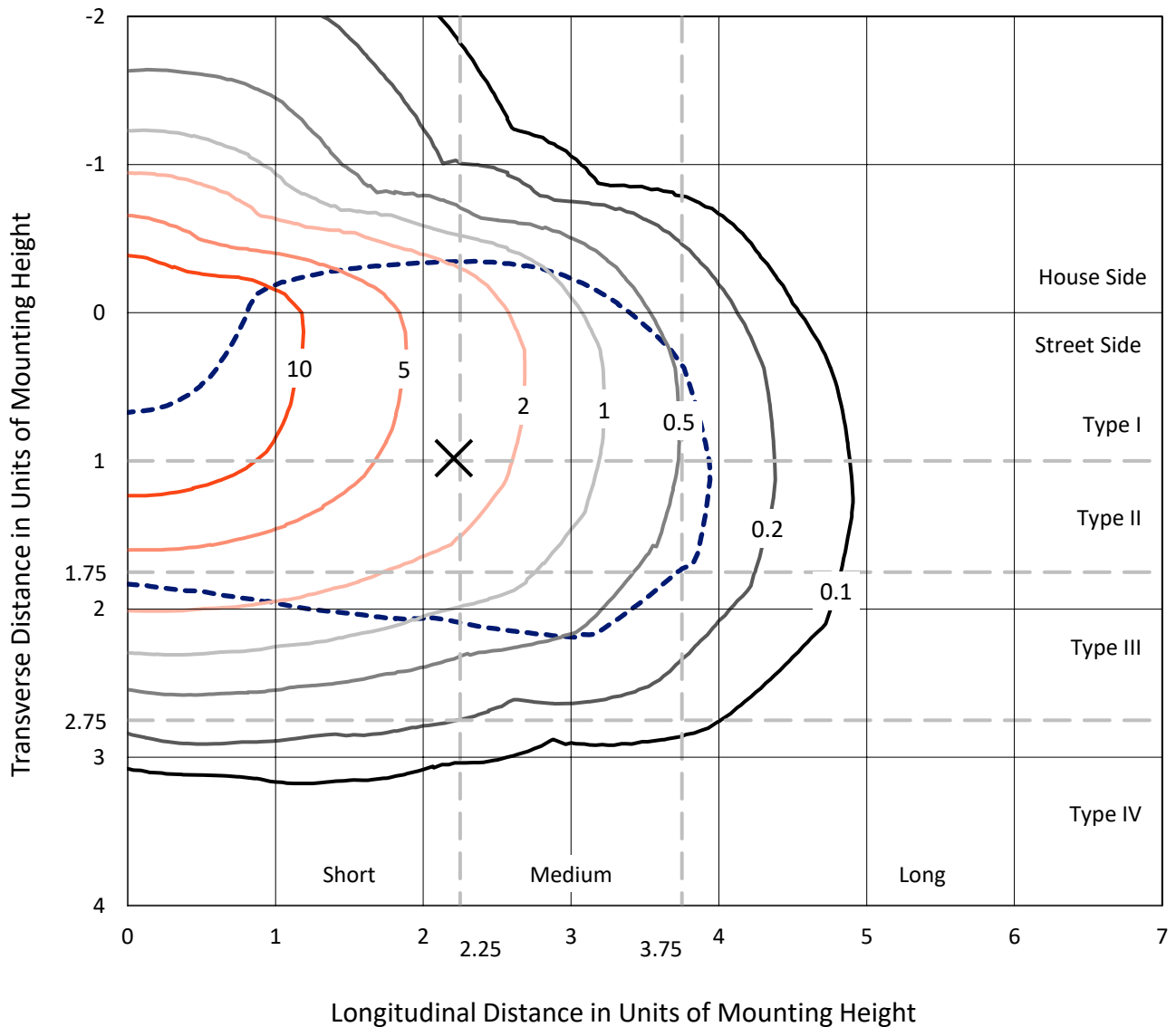
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

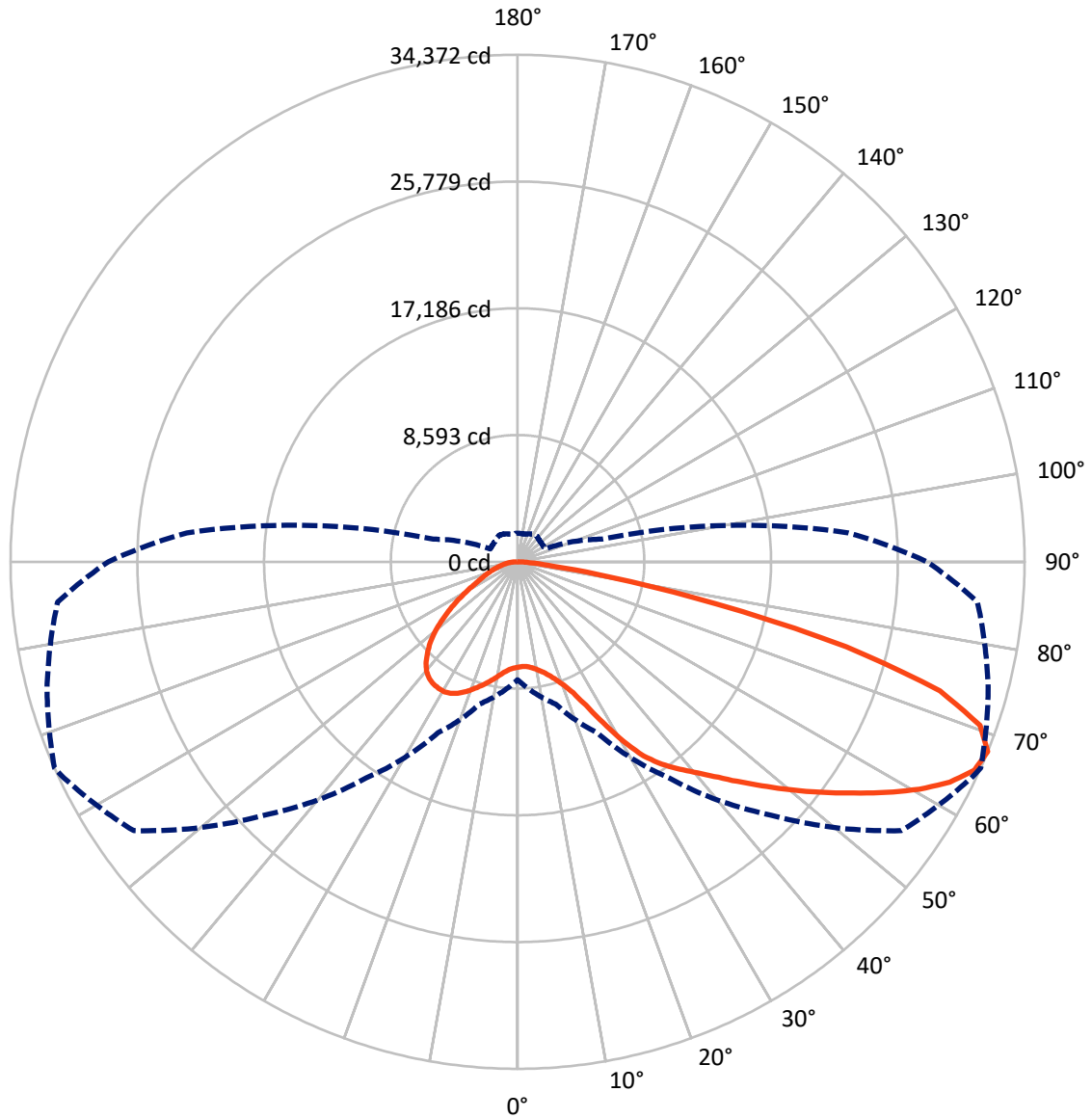
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16010.1	0.0	16010.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	48378.9	0.0	48378.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	64389.0	0.0	64389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.1	1.1
10°-20°	2339.3	3.6
20°-30°	4508.9	7.0
30°-40°	7905.9	12.3
40°-50°	11753.4	18.3
50°-60°	14898.6	23.1
60°-70°	14577.9	22.6
70°-80°	6953.8	10.8
80°-90°	743.2	1.2
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°	64389.0	100.0
0°-180°	64389.0	100.0

Coefficient of Utilization

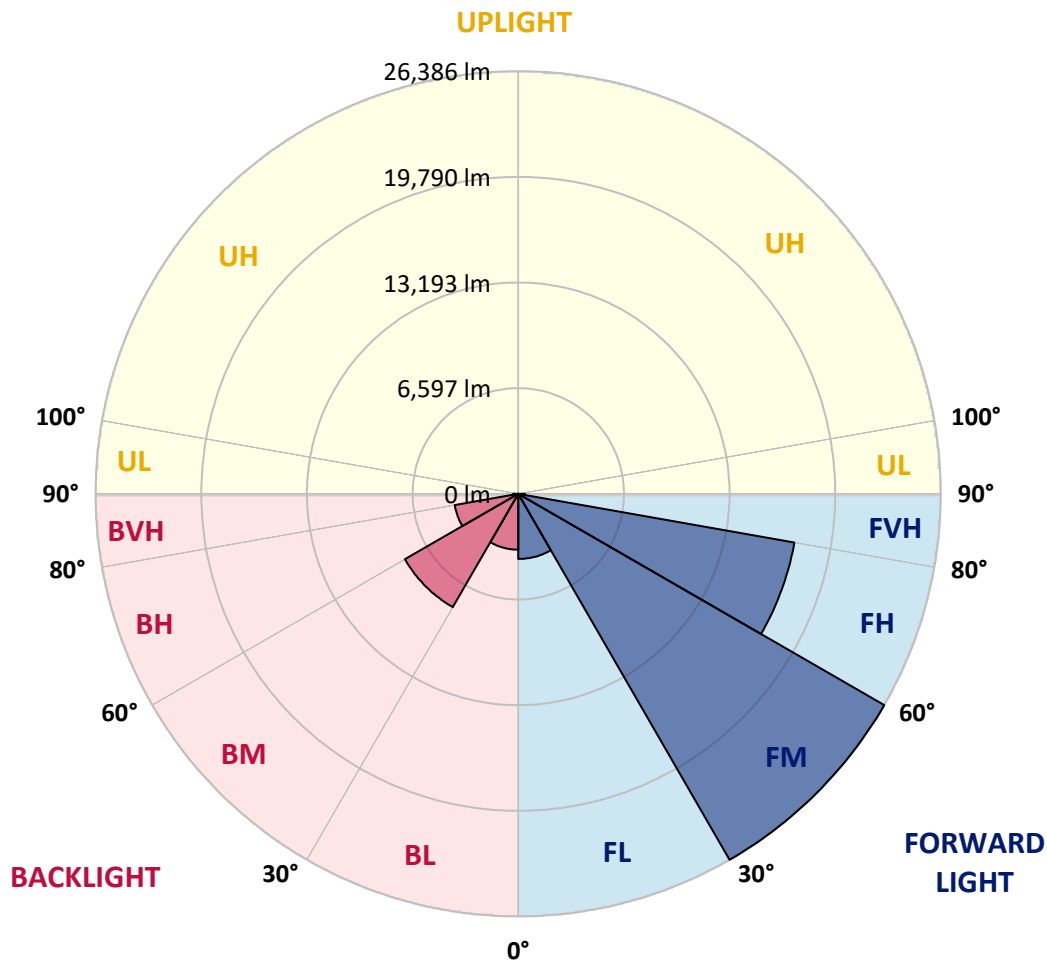


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4068.7	6.3			
FM (30°-60°)	26386.1	41.0			
FH (60°-80°)	17502.7	27.2			G5
FVH (80°-90°)	421.3	0.7			G3/500
BL (0°-30°)	3487.6	5.4	B4/5000		
BM (30°-60°)	8171.8	12.7	B4/8500		
BH (60°-80°)	4029.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	321.8	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	7141.6	7141.6	7141.6	7141.6	7141.6	7141.6	7141.6	7141.6	7141.6	7141.6
2.5°	7067.2	7107.8	7097.6	7080.7	7077.3	7084.1	7094.2	7104.4	7101.0	7117.9
5°	7046.9	7087.5	7084.1	7084.1	7097.6	7124.7	7141.6	7158.5	7141.6	7161.9
7.5°	7060.4	7090.8	7104.4	7117.9	7151.7	7202.5	7243.1	7280.3	7260.0	7283.7
10°	7232.9	7256.6	7270.1	7270.1	7293.8	7351.3	7391.9	7459.6	7442.7	7479.9
12.5°	7547.6	7571.2	7571.2	7557.7	7574.6	7611.8	7625.4	7699.8	7669.3	7730.2
15°	7933.2	7980.6	7943.4	7919.7	7926.5	7963.7	7960.3	8017.8	7987.4	8038.1
17.5°	8359.5	8420.4	8359.5	8356.1	8342.6	8383.2	8386.5	8437.3	8383.2	8420.4
20°	8863.6	8948.1	8897.4	8914.3	8883.9	8900.8	8917.7	8992.1	8907.5	8934.6
22.5°	9574.0	9675.5	9621.4	9685.6	9665.3	9651.8	9648.4	9780.4	9648.4	9658.6
25°	10609.2	10731.0	10636.3	10724.2	10724.2	10768.2	10819.0	10988.1	10768.2	10703.9
27.5°	12138.3	12260.1	12074.1	12128.2	12111.3	12219.5	12165.4	12584.9	12348.1	12243.2
30°	13978.7	14195.2	13843.4	13829.9	13812.9	13985.5	14063.3	14340.7	14100.5	13995.6
32.5°	15967.9	16194.6	15775.1	15653.3	15589.0	15693.9	15629.6	15852.9	15687.1	15524.8
35°	18072.2	18295.5	17896.3	17659.5	17402.3	17182.4	16952.4	17009.9	16854.3	16607.3
37.5°	20061.4	20470.8	20047.9	19794.1	19320.5	18890.9	18248.1	17980.8	17835.4	17608.7
40°	22087.8	22321.3	21999.9	21783.4	21269.2	20595.9	19567.5	19002.5	18806.3	18586.4
42.5°	23579.8	23803.0	23630.5	23481.7	23079.1	22297.6	20968.1	20261.0	19976.8	19729.9
45°	24763.8	24929.6	24821.3	24875.5	24702.9	23945.1	22419.4	21610.8	21316.5	21015.4
47.5°	25240.8	25416.8	25589.3	25910.7	26205.0	25646.8	23979.0	23072.3	22761.1	22453.2
50°	25186.7	25366.0	25866.7	26550.1	27463.5	27277.4	25623.1	24628.5	24341.0	23989.1
52.5°	24753.7	24956.7	25599.4	26736.1	28190.8	28498.7	27297.7	26235.5	25964.8	25545.3
55°	23617.0	23738.8	24702.9	26313.3	28363.4	29351.2	28938.5	27947.3	27676.6	27091.4
57.5°	21509.3	21685.3	23089.2	25173.2	27930.4	29929.7	30379.7	29747.0	29486.6	28644.2
60°	18758.9	19039.7	20646.7	23258.4	26827.5	29926.3	31688.9	31516.4	31299.9	30173.3
62.5°	15646.5	15971.3	17517.4	20551.9	24899.2	29077.2	32507.6	32998.1	32886.5	31584.0
65°	12016.5	12239.8	13779.1	17050.5	21898.4	27253.7	32602.3	34009.7	34030.0	32656.5
67.5°	8000.9	8643.7	9980.0	12794.6	17879.4	24273.3	31770.1	34175.4	34371.7	33025.2
70°	3904.0	4749.8	6059.0	8315.5	12794.6	19702.8	29594.8	32815.5	33251.9	31949.4
72.5°	1620.5	1894.5	2608.3	4103.6	7344.6	13295.3	25223.9	29127.9	29936.5	28309.3
75°	1092.7	1184.1	1491.9	2104.2	3345.8	6556.3	18190.6	21719.1	23021.6	21380.8
77.5°	842.4	899.9	1086.0	1471.6	1989.2	2479.8	9736.4	13089.0	13762.2	12740.5
80°	663.1	707.1	811.9	1072.4	1410.7	1326.2	3318.8	5930.5	6319.5	5301.2
82.5°	575.1	592.0	581.9	727.4	937.1	774.7	1089.3	2188.8	2415.5	1752.4
85°	416.1	463.5	483.8	449.9	497.3	392.4	446.6	774.7	852.5	761.2
87.5°	169.2	250.3	307.9	290.9	182.7	111.6	138.7	226.7	260.5	284.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850968
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7141.6	0°	7141.6	7141.6	7141.6	7141.6	7141.6	7141.6	7141.6	7141.6	7141.6	7141.6
7145.0	2.5°	7148.4	7172.0	7189.0	7209.3	7222.8	7243.1	7283.7	7307.4	7310.7	7327.7
7199.1	5°	7212.6	7246.5	7283.7	7337.8	7398.7	7449.4	7527.3	7581.4	7601.7	7618.6
7331.0	7.5°	7351.3	7398.7	7466.4	7561.1	7649.0	7716.7	7811.4	7875.7	7940.0	7963.7
7540.8	10°	7557.7	7625.4	7723.5	7852.0	7946.8	8034.7	8132.8	8186.9	8251.2	8278.3
7791.1	12.5°	7814.8	7885.9	8014.4	8193.7	8281.7	8342.6	8376.4	8362.9	8376.4	8400.1
8092.2	15°	8109.1	8186.9	8332.4	8525.3	8586.1	8532.0	8457.6	8389.9	8379.8	8386.5
8457.6	17.5°	8457.6	8515.1	8684.3	8846.6	8802.7	8579.4	8417.0	8308.7	8254.6	8237.7
8924.5	20°	8944.7	8944.7	9083.5	9184.9	8890.6	8511.7	8258.0	8082.1	7970.4	7923.1
9560.5	22.5°	9536.8	9482.7	9570.6	9499.6	8873.7	8322.3	7970.4	7666.0	7496.8	7429.1
10450.2	25°	10287.8	10223.5	10199.9	9760.1	8751.9	8021.2	7449.4	7080.7	6931.8	6894.6
11732.4	27.5°	11421.1	11258.7	10950.9	9902.1	8528.6	7547.6	6840.5	6498.8	6414.2	6417.6
13379.9	30°	12930.0	12605.2	11850.8	9925.8	8163.3	6877.7	6218.0	5974.4	5933.8	5950.8
14763.6	32.5°	14327.2	14019.3	12771.0	9817.6	7601.7	6221.4	5659.8	5497.4	5436.5	5456.8
15819.1	35°	15423.3	15338.7	13623.5	9665.3	6911.5	5605.7	5159.1	5020.4	4902.0	4875.0
16813.7	37.5°	16458.5	16424.6	14262.9	9452.2	6228.2	5169.3	4756.5	4573.9	4401.3	4306.6
17913.2	40°	17595.2	17561.3	14682.4	9124.1	5622.6	4790.4	4394.6	4154.4	3941.2	3768.7
19158.1	42.5°	18874.0	18674.4	14882.0	8653.8	5108.4	4469.0	4100.2	3775.5	3494.7	3335.7
20565.5	45°	20271.2	19821.2	14878.6	8055.0	4675.4	4174.7	3785.6	3325.5	3065.0	2916.2
22010.0	47.5°	21752.9	20917.3	14695.9	7391.9	4255.9	3849.9	3298.5	2946.6	2774.1	2682.7
23579.8	50°	23282.1	21942.4	14384.7	6630.8	3826.2	3481.1	2994.0	2753.8	2621.9	2537.3
25136.0	52.5°	24719.9	22872.7	14009.2	5768.1	3389.8	3122.5	2858.7	2672.6	2533.9	2439.2
26644.8	55°	26056.2	23674.5	13478.0	4885.1	3034.6	2882.3	2794.4	2638.8	2479.8	2368.1
28177.3	57.5°	27243.6	24195.5	12561.2	4056.3	2780.9	2716.6	2726.7	2581.3	2398.6	2303.8
29686.1	60°	28231.4	24577.8	11204.6	3288.3	2574.5	2554.2	2621.9	2473.0	2259.9	2151.6
30961.6	62.5°	28823.5	24571.0	9540.2	2692.9	2398.6	2405.3	2483.1	2337.7	2121.2	2019.7
31628.0	65°	28772.7	23968.8	7713.3	2303.8	2229.4	2236.2	2337.7	2188.8	2006.1	1945.2
31293.1	67.5°	27754.4	22500.6	5916.9	2050.1	2043.4	2073.8	2192.2	2087.3	1935.1	1928.3
29297.1	70°	24997.3	19452.5	4262.6	1847.1	1850.5	1894.5	2050.1	2023.1	1897.9	1911.4
24631.9	72.5°	20044.5	14831.2	2862.0	1634.0	1637.4	1708.4	1914.8	1972.3	1860.7	2040.0
17476.8	75°	13349.5	9249.2	1840.4	1407.3	1410.7	1502.1	1796.4	1874.2	1759.2	2033.2
9093.6	77.5°	6414.2	4157.8	1332.9	1184.1	1184.1	1268.6	1552.8	1678.0	1498.7	1579.9
2922.9	80°	2215.9	1563.0	1048.7	954.0	933.7	991.2	1309.2	1454.7	1292.3	1190.8
954.0	82.5°	872.8	811.9	842.4	740.9	673.2	710.4	1018.3	1201.0	950.6	859.3
537.9	85°	500.7	527.8	595.4	490.5	389.0	436.4	747.7	862.7	717.2	632.6
175.9	87.5°	135.3	186.1	274.0	253.7	175.9	186.1	355.2	477.0	412.7	318.0
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°
7141.6
7324.3
7615.2
7967.1
8291.8
8406.8
8410.2
8261.4
7912.9
7419.0
6901.4
6427.8
6008.3
5483.9
4895.3
4310.0
3785.6
3345.8
2909.4
2662.5
2506.8
2398.6
2324.1
2243.0
2104.2
1989.2
1941.9
1938.5
1908.0
2067.0
2050.1
1447.9
1116.4
855.9
646.2
328.2
0.0

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