

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: P849678

Luminaire Tested: **GLAN-SB6D-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849678
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-SB6D-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49234 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

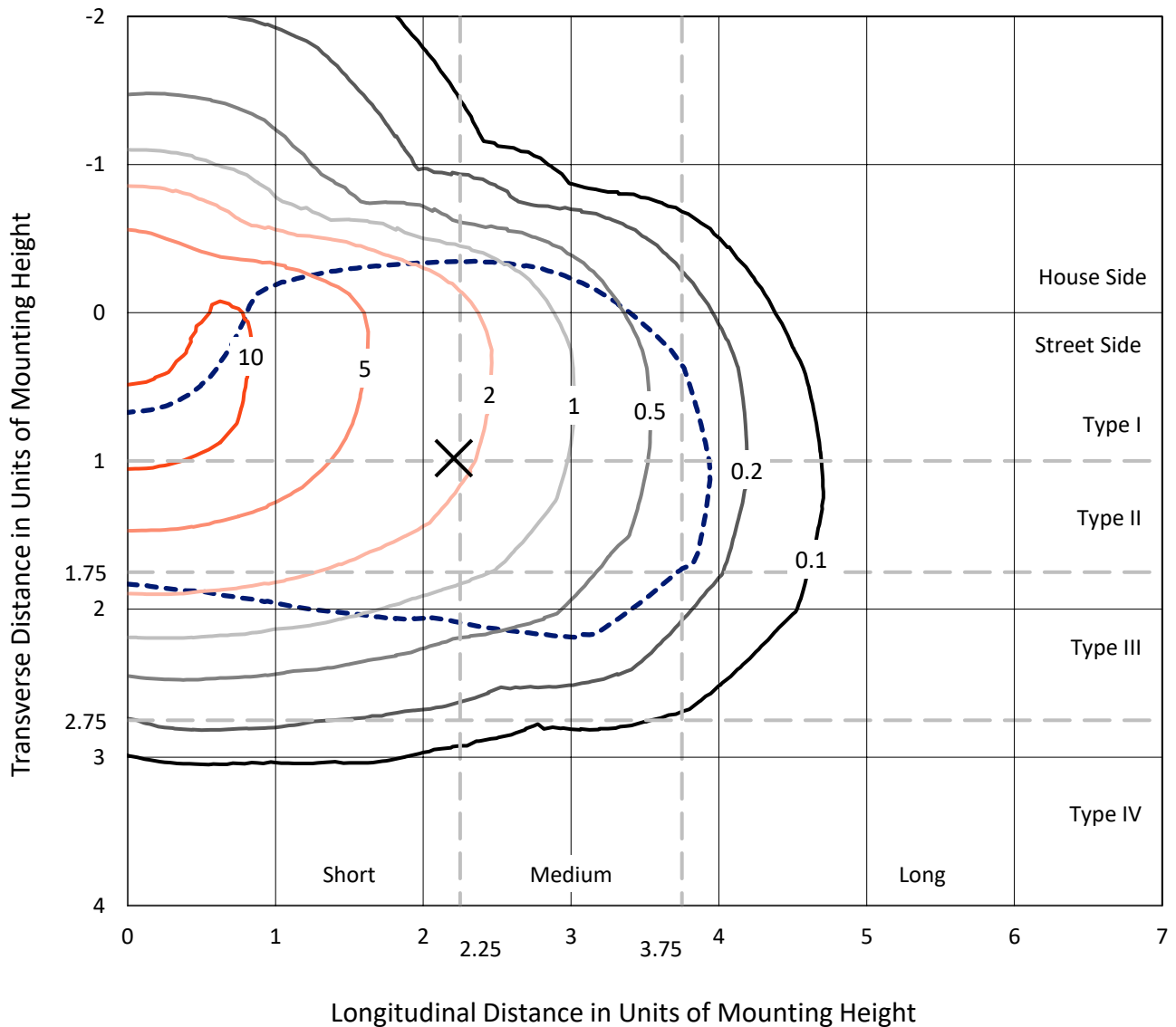
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

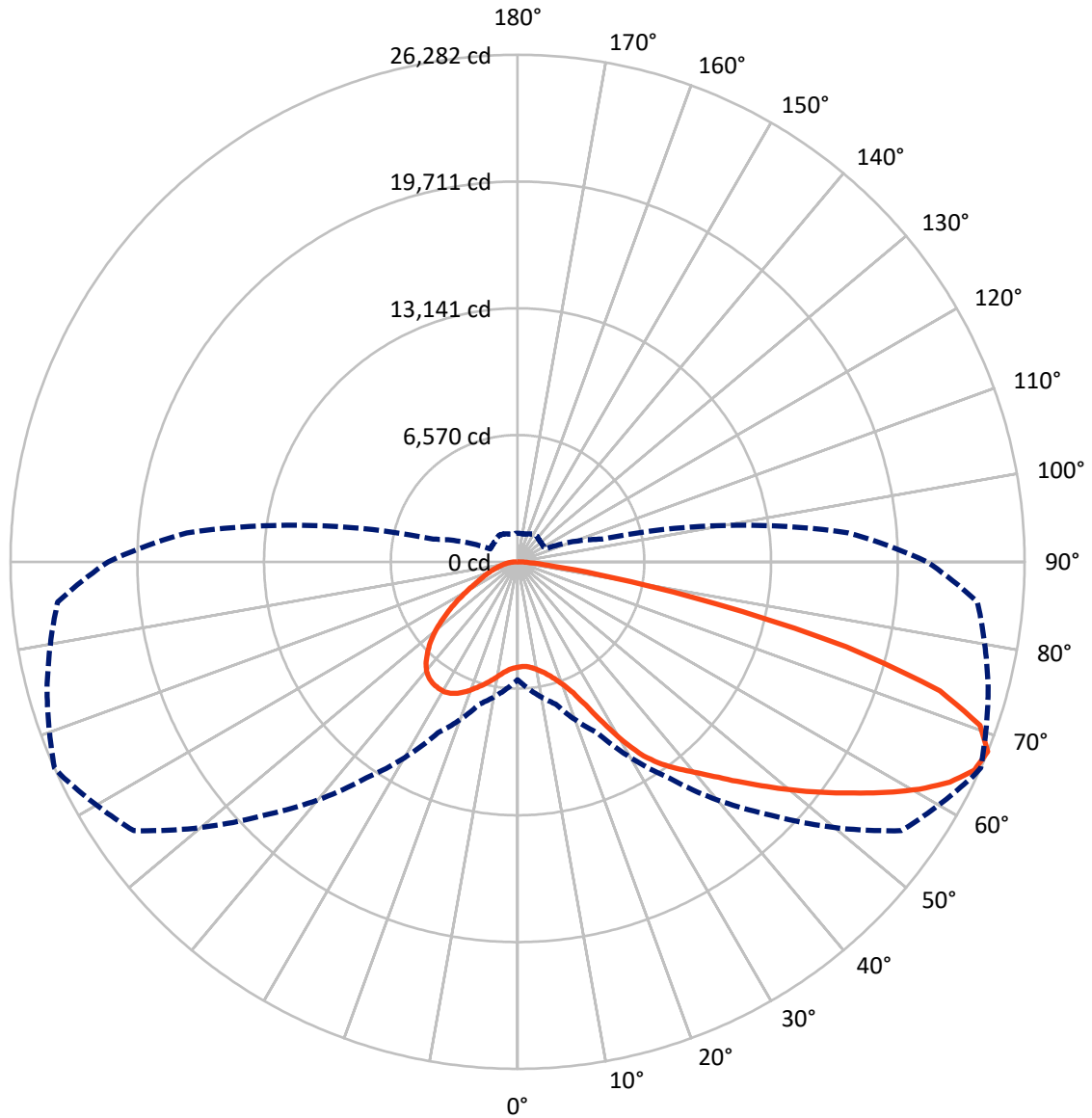
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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	12241.9	0.0	12241.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	36992.1	0.0	36992.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	49234.0	0.0	49234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.4	1.1
10°-20°	1788.7	3.6
20°-30°	3447.7	7.0
30°-40°	6045.1	12.3
40°-50°	8987.0	18.3
50°-60°	11392.0	23.1
60°-70°	11146.7	22.6
70°-80°	5317.1	10.8
80°-90°	568.3	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°	49234.0	100.0
0°-180°	49234.0	100.0

Coefficient of Utilization



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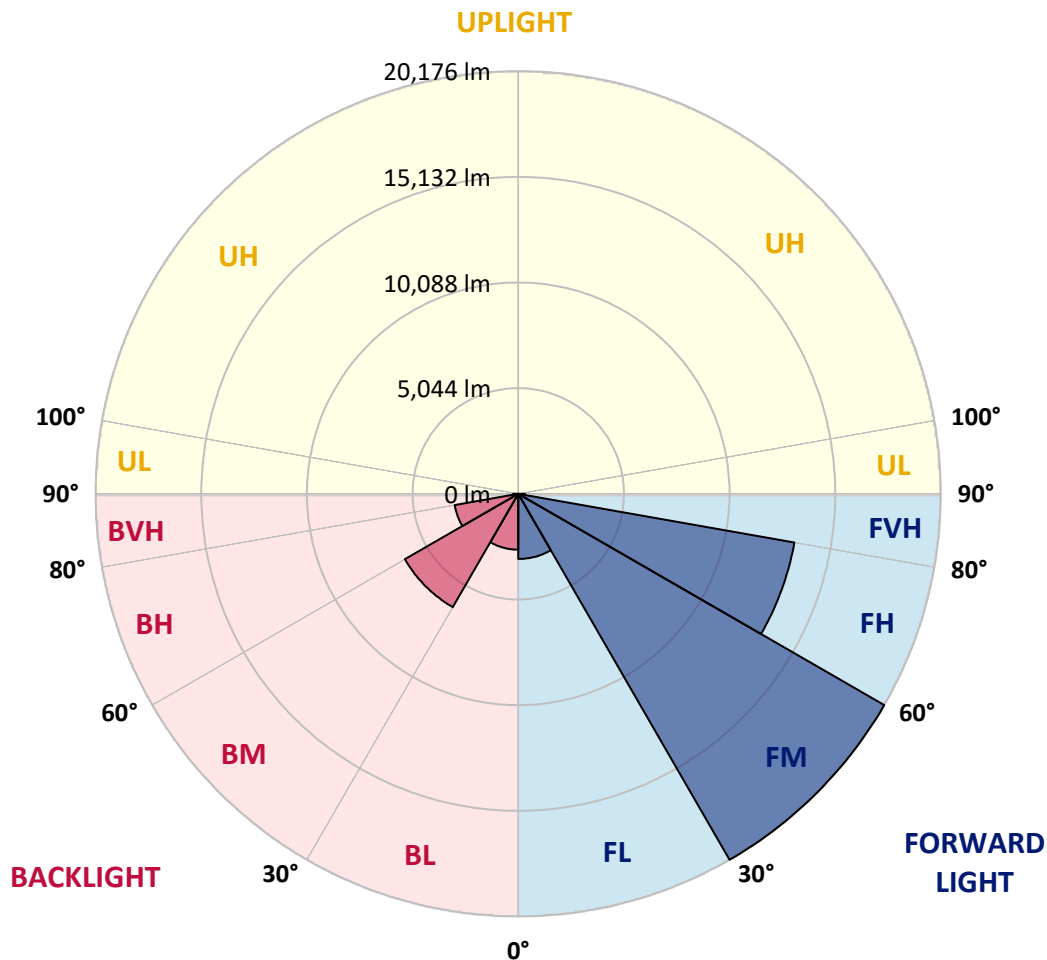
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3111.1	6.3			
FM (30°-60°)	20175.7	41.0			
FH (60°-80°)	13383.1	27.2			G5
FVH (80°-90°)	322.2	0.7			G3/500
BL (0°-30°)	2666.7	5.4	B4/5000		
BM (30°-60°)	6248.4	12.7	B4/8500		
BH (60°-80°)	3080.7	6.3	B4/5000		G4/5000
BVH (80°-90°)	246.1	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°	5460.7	5460.7	5460.7	5460.7	5460.7	5460.7	5460.7	5460.7	5460.7	5460.7
2.5°	5403.8	5434.8	5427.1	5414.1	5411.6	5416.7	5424.5	5432.2	5429.7	5442.6
5°	5388.3	5419.3	5416.7	5416.7	5427.1	5447.8	5460.7	5473.6	5460.7	5476.2
7.5°	5398.6	5421.9	5432.2	5442.6	5468.5	5507.3	5538.3	5566.8	5551.2	5569.3
10°	5530.5	5548.7	5559.0	5559.0	5577.1	5621.1	5652.1	5703.9	5690.9	5719.4
12.5°	5771.1	5789.2	5789.2	5778.9	5791.8	5820.3	5830.6	5887.5	5864.2	5910.8
15°	6066.0	6102.2	6073.8	6055.7	6060.8	6089.3	6086.7	6130.7	6107.4	6146.2
17.5°	6391.9	6438.5	6391.9	6389.4	6379.0	6410.1	6412.6	6451.4	6410.1	6438.5
20°	6777.4	6842.0	6803.2	6816.2	6792.9	6805.8	6818.8	6875.7	6811.0	6831.7
22.5°	7320.6	7398.2	7356.8	7406.0	7390.4	7380.1	7377.5	7478.4	7377.5	7385.3
25°	8112.2	8205.3	8132.8	8200.1	8200.1	8233.7	8272.5	8401.9	8233.7	8184.6
27.5°	9281.4	9374.5	9232.2	9273.6	9260.7	9343.5	9302.1	9622.8	9441.8	9361.6
30°	10688.6	10854.1	10585.1	10574.8	10561.8	10693.8	10753.3	10965.4	10781.7	10701.5
32.5°	12209.6	12382.9	12062.2	11969.1	11919.9	12000.1	11950.9	12121.7	11994.9	11870.8
35°	13818.6	13989.3	13684.1	13503.0	13306.4	13138.3	12962.4	13006.4	12887.4	12698.5
37.5°	15339.6	15652.6	15329.3	15135.3	14773.1	14444.6	13953.1	13748.8	13637.5	13464.2
40°	16889.1	17067.6	16821.9	16656.3	16263.1	15748.3	14962.0	14530.0	14379.9	14211.8
42.5°	18029.9	18200.6	18068.7	17954.9	17647.0	17049.5	16032.9	15492.3	15275.0	15086.1
45°	18935.3	19062.0	18979.2	19020.6	18888.7	18309.3	17142.6	16524.4	16299.3	16069.1
47.5°	19300.0	19434.5	19566.4	19812.2	20037.2	19610.4	18335.1	17641.9	17403.9	17168.5
50°	19258.6	19395.7	19778.6	20301.1	20999.5	20857.2	19592.3	18831.8	18611.9	18342.9
52.5°	18927.5	19082.7	19574.2	20443.4	21555.7	21791.1	20872.8	20060.5	19853.6	19532.8
55°	18058.3	18151.5	18888.7	20120.0	21687.6	22442.9	22127.4	21369.4	21162.5	20715.0
57.5°	16446.8	16581.3	17654.8	19248.3	21356.5	22885.3	23229.3	22745.6	22546.4	21902.3
60°	14343.7	14558.4	15787.1	17784.1	20513.2	22882.7	24230.4	24098.5	23932.9	23071.5
62.5°	11963.9	12212.2	13394.4	15714.7	19038.7	22233.4	24856.4	25231.5	25146.1	24150.2
65°	9188.3	9359.0	10536.0	13037.4	16744.3	20839.1	24928.8	26004.9	26020.5	24970.2
67.5°	6117.7	6609.2	7631.0	9783.2	13671.2	18560.2	24292.5	26131.7	26281.7	25252.2
70°	2985.1	3631.8	4632.9	6358.3	9783.2	15065.4	22629.2	25091.8	25425.5	24429.6
72.5°	1239.1	1448.6	1994.4	3137.8	5615.9	10166.1	19287.1	22272.2	22890.5	21646.2
75°	835.5	905.4	1140.8	1609.0	2558.3	5013.2	13909.1	16607.2	17603.1	16348.5
77.5°	644.1	688.1	830.4	1125.3	1521.0	1896.1	7444.8	10008.3	10523.0	9741.8
80°	507.0	540.6	620.8	820.0	1078.7	1014.0	2537.6	4534.6	4832.1	4053.5
82.5°	439.8	452.7	444.9	556.2	716.5	592.4	832.9	1673.6	1847.0	1340.0
85°	318.2	354.4	369.9	344.0	380.3	300.1	341.5	592.4	651.9	582.0
87.5°	129.3	191.4	235.4	222.5	139.7	85.4	106.1	173.3	199.2	217.3
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°
5460.7	0°	5460.7	5460.7	5460.7	5460.7	5460.7	5460.7	5460.7	5460.7	5460.7	5460.7
5463.3	2.5°	5465.9	5484.0	5496.9	5512.4	5522.8	5538.3	5569.3	5587.5	5590.0	5603.0
5504.7	5°	5515.0	5540.9	5569.3	5610.7	5657.3	5696.1	5755.6	5797.0	5812.5	5825.4
5605.6	7.5°	5621.1	5657.3	5709.0	5781.5	5848.7	5900.5	5972.9	6022.0	6071.2	6089.3
5765.9	10°	5778.9	5830.6	5905.6	6003.9	6076.4	6143.6	6218.6	6260.0	6309.2	6329.9
5957.4	12.5°	5975.5	6029.8	6128.1	6265.2	6332.4	6379.0	6404.9	6394.5	6404.9	6423.0
6187.6	15°	6200.5	6260.0	6371.2	6518.7	6565.3	6523.9	6467.0	6415.2	6407.5	6412.6
6467.0	17.5°	6467.0	6510.9	6640.3	6764.4	6730.8	6560.1	6435.9	6353.1	6311.8	6298.8
6823.9	20°	6839.5	6839.5	6945.5	7023.1	6798.1	6508.3	6314.3	6179.8	6094.5	6058.2
7310.3	22.5°	7292.1	7250.8	7318.0	7263.7	6785.1	6363.5	6094.5	5861.7	5732.3	5680.6
7990.6	25°	7866.4	7817.3	7799.2	7462.9	6692.0	6133.3	5696.1	5414.1	5300.3	5271.9
8971.0	27.5°	8733.0	8608.8	8373.4	7571.5	6521.3	5771.1	5230.5	4969.2	4904.5	4907.1
10230.7	30°	9886.7	9638.4	9061.5	7589.6	6241.9	5258.9	4754.5	4568.3	4537.2	4550.2
11288.7	32.5°	10955.0	10719.6	9765.1	7506.8	5812.5	4757.1	4327.7	4203.5	4157.0	4172.5
12095.8	35°	11793.1	11728.5	10417.0	7390.4	5284.8	4286.3	3944.8	3838.8	3748.3	3727.6
12856.3	37.5°	12584.7	12558.8	10905.9	7227.5	4762.3	3952.6	3637.0	3497.3	3365.4	3293.0
13697.0	40°	13453.9	13428.0	11226.6	6976.6	4299.2	3662.9	3360.2	3176.6	3013.6	2881.7
14649.0	42.5°	14431.7	14279.0	11379.3	6617.0	3906.0	3417.1	3135.2	2886.9	2672.1	2550.6
15725.1	45°	15500.0	15156.0	11376.7	6159.1	3574.9	3192.1	2894.6	2542.8	2343.6	2229.8
16829.6	47.5°	16633.0	15994.1	11237.0	5652.1	3254.2	2943.8	2522.1	2253.1	2121.2	2051.3
18029.9	50°	17802.2	16777.9	10999.0	5070.1	2925.7	2661.8	2289.3	2105.6	2004.8	1940.1
19219.8	52.5°	18901.6	17489.2	10711.9	4410.5	2592.0	2387.6	2185.8	2043.6	1937.5	1865.1
20373.5	55°	19923.4	18102.3	10305.7	3735.3	2320.3	2203.9	2136.7	2017.7	1896.1	1810.7
21545.3	57.5°	20831.4	18500.7	9604.7	3101.6	2126.3	2077.2	2084.9	1973.7	1834.0	1761.6
22699.0	60°	21586.7	18793.0	8567.4	2514.4	1968.5	1953.0	2004.8	1890.9	1728.0	1645.2
23674.2	62.5°	22039.4	18787.8	7294.7	2059.1	1834.0	1839.2	1898.7	1787.5	1621.9	1544.3
24183.8	65°	22000.6	18327.4	5897.9	1761.6	1704.7	1709.9	1787.5	1673.6	1534.0	1487.4
23927.8	67.5°	21222.0	17204.7	4524.3	1567.6	1562.4	1585.7	1676.2	1596.0	1479.6	1474.5
22401.6	70°	19113.7	14874.0	3259.3	1412.4	1415.0	1448.6	1567.6	1546.9	1451.2	1461.5
18834.4	72.5°	15326.7	11340.5	2188.4	1249.4	1252.0	1306.3	1464.1	1508.1	1422.7	1559.8
13363.3	75°	10207.5	7072.3	1407.2	1076.1	1078.7	1148.5	1373.6	1433.1	1345.1	1554.7
6953.3	77.5°	4904.5	3179.2	1019.2	905.4	905.4	970.0	1187.3	1283.0	1145.9	1208.0
2235.0	80°	1694.3	1195.1	801.9	729.5	714.0	757.9	1001.1	1112.3	988.2	910.5
729.5	82.5°	667.4	620.8	644.1	566.5	514.8	543.2	778.6	918.3	726.9	657.0
411.3	85°	382.8	403.5	455.3	375.1	297.5	333.7	571.7	659.6	548.4	483.7
134.5	87.5°	103.5	142.3	209.5	194.0	134.5	142.3	271.6	364.7	315.6	243.2
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°
5460.7
5600.4
5822.9
6091.9
6340.2
6428.2
6430.7
6316.9
6050.5
5672.8
5277.0
4914.9
4594.1
4193.2
3743.1
3295.6
2894.6
2558.3
2224.6
2035.8
1916.8
1834.0
1777.1
1715.0
1609.0
1521.0
1484.8
1482.2
1458.9
1580.5
1567.6
1107.1
853.6
654.5
494.1
250.9
0.0

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