

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: P851546

Luminaire Tested: **GLAN-SB9C-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53889 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

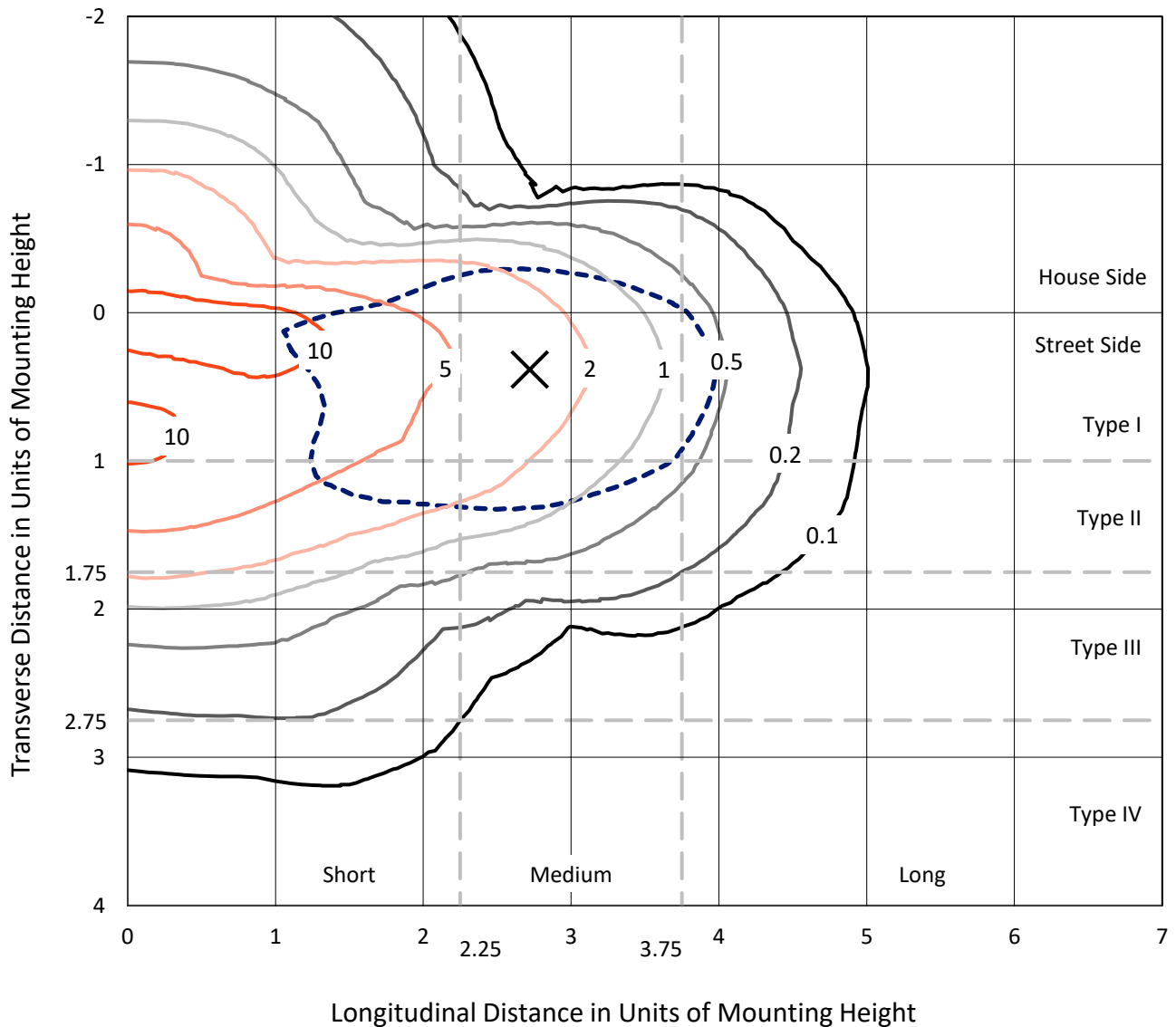
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851546
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Iso-Footcandle Lines of Horizontal Illumination

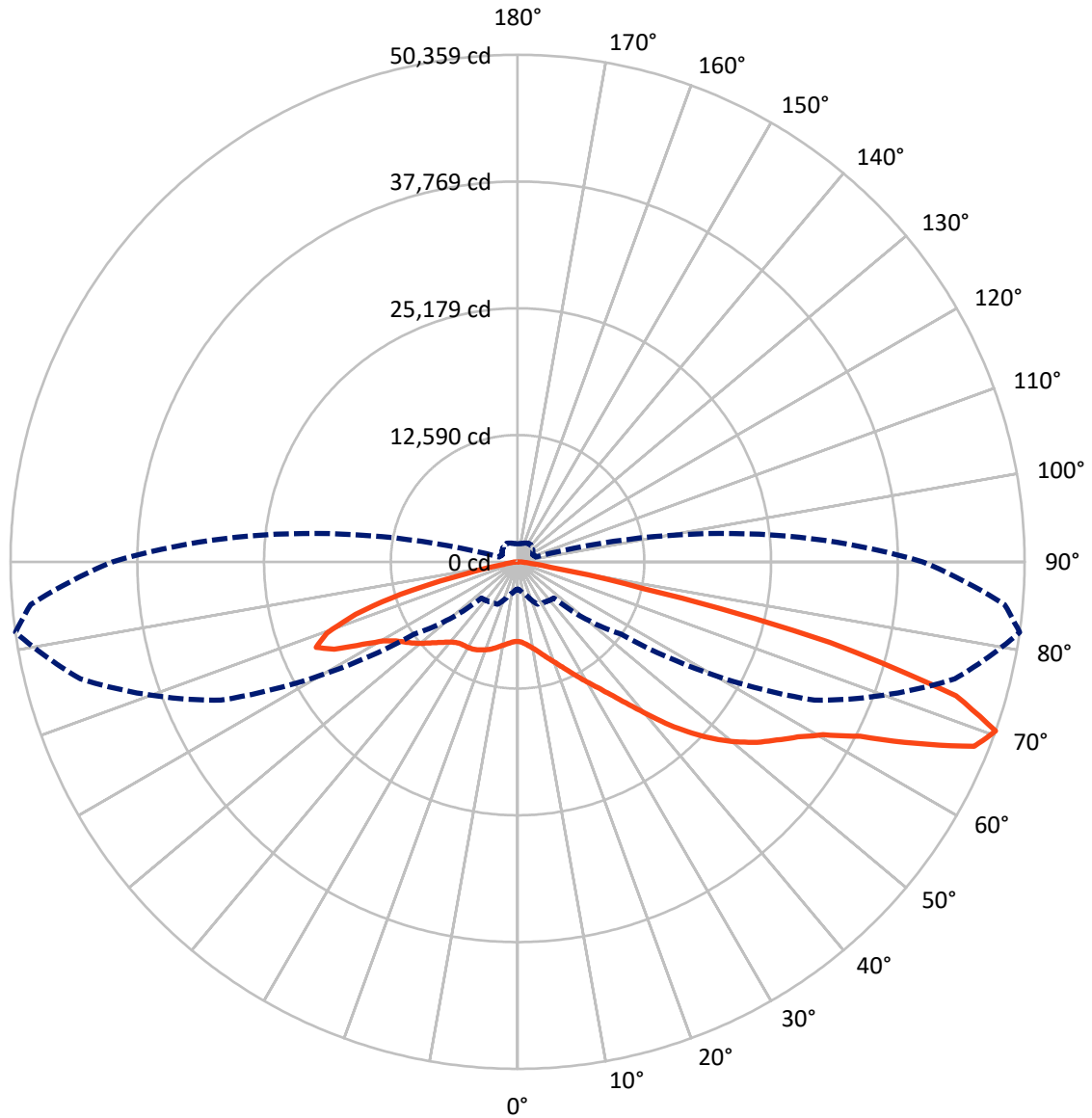
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P851546
CATALOG NUMBER: GLAN-SB9C-827-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: GLAN-SB9C-827-U-T2

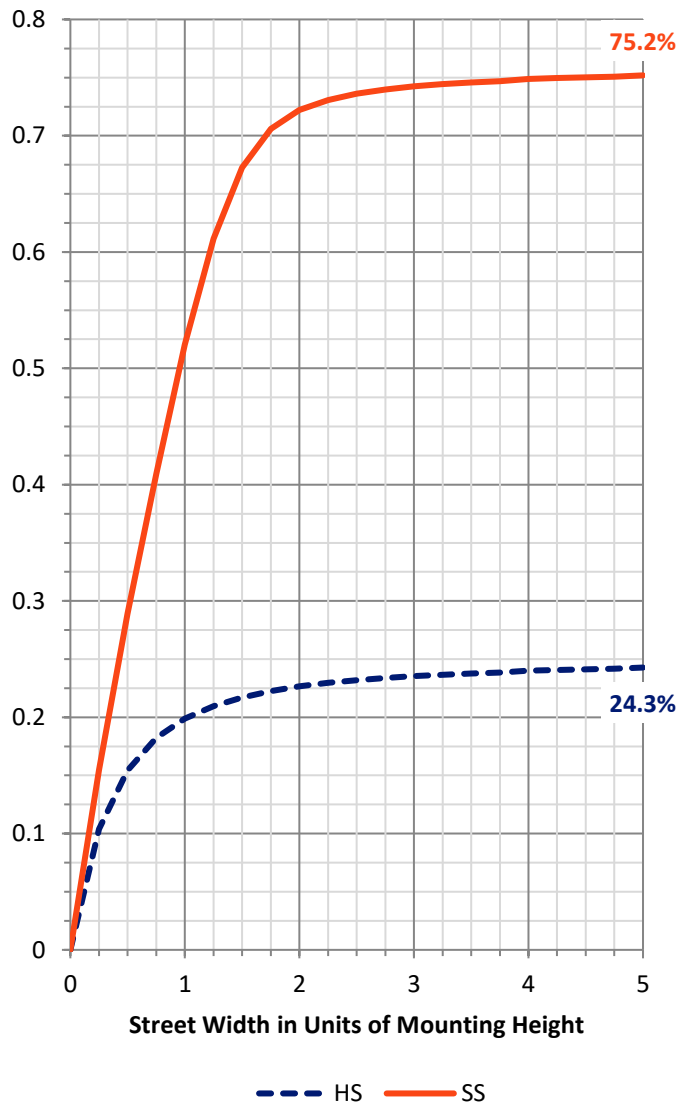
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13285.0	0.0	13285.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	40604.0	0.0	40604.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	53889.0	0.0	53889.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	746.0	1.4
10°-20°	2143.2	4.0
20°-30°	3585.4	6.7
30°-40°	5601.3	10.4
40°-50°	8920.8	16.6
50°-60°	12414.4	23.0
60°-70°	12986.0	24.1
70°-80°	6787.2	12.6
80°-90°	704.8	1.3
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°	53889.0	100.0
0°-180°	53889.0	100.0

Coefficient of Utilization



REPORT NUMBER: P851546

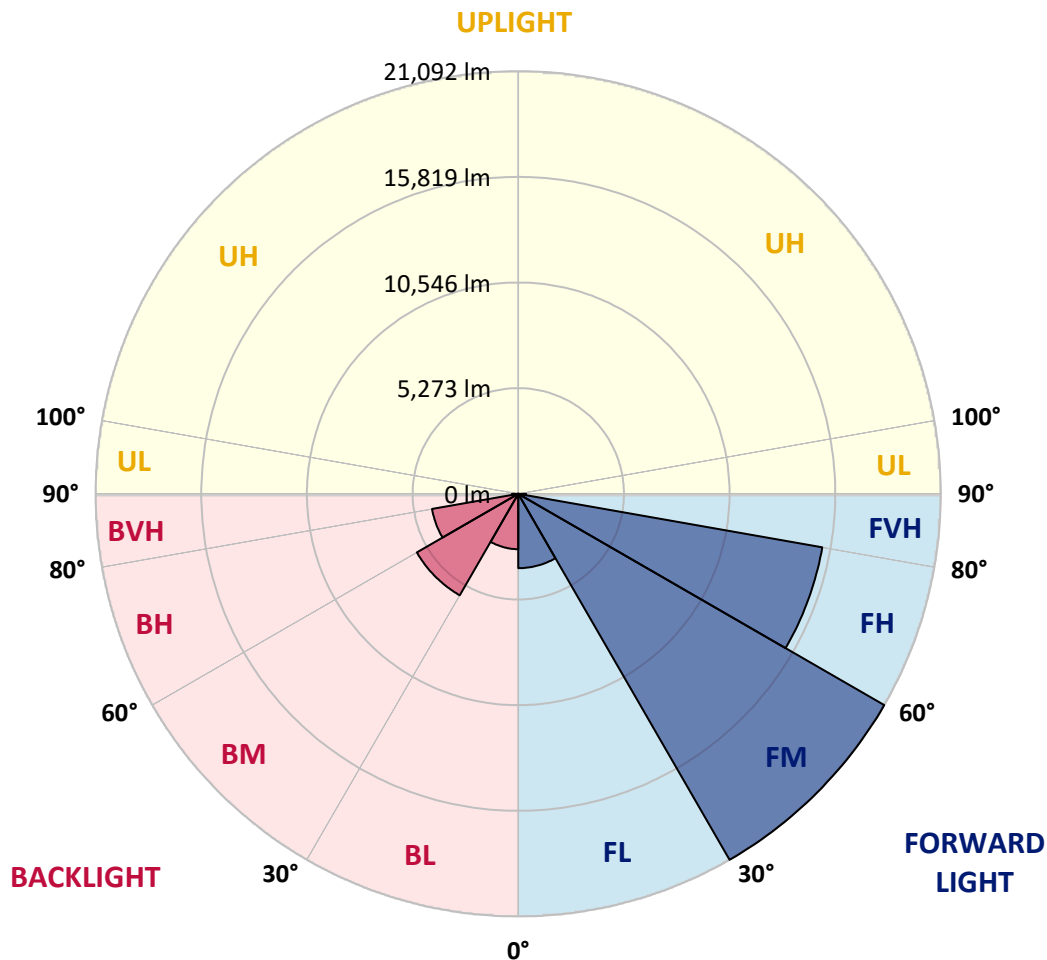
CATALOG NUMBER: GLAN-SB9C-827-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3710.9	6.9			
FM (30°-60°)	21091.6	39.1			
FH (60°-80°)	15407.0	28.6			G5
FVH (80°-90°)	394.5	0.7			G3/500
BL (0°-30°)	2763.8	5.1	B4/5000		
BM (30°-60°)	5844.9	10.8	B4/8500		
BH (60°-80°)	4366.1	8.1	B4/5000		G4/5000
BVH (80°-90°)	310.2	0.6			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 II Medium



REPORT NUMBER: P851546
 CATALOG NUMBER: GLAN-SB9C-827-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7900.8	7900.8	7900.8	7900.8	7900.8	7900.8	7900.8	7900.8	7900.8	7900.8
2.5°	8089.5	8135.3	8121.0	8106.7	8106.7	8086.7	8083.8	8055.2	8032.3	7995.2
5°	8192.5	8241.1	8235.4	8246.8	8284.0	8292.6	8301.1	8284.0	8238.2	8192.5
7.5°	8101.0	8155.3	8172.5	8241.1	8355.5	8458.4	8535.6	8567.1	8524.2	8458.4
10°	7792.1	7852.2	7912.2	8075.2	8278.3	8521.3	8727.2	8850.2	8841.6	8778.7
12.5°	7165.9	7228.8	7357.5	7674.9	8046.6	8475.6	8858.7	9116.1	9204.7	9159.0
15°	6665.5	6719.8	6817.1	7143.0	7626.3	8278.3	8907.3	9407.8	9633.7	9607.9
17.5°	6651.2	6674.1	6734.1	6888.5	7260.3	7969.4	8855.9	9693.7	10125.5	10122.6
20°	6902.8	6911.4	6945.7	6977.2	7188.8	7735.0	8724.3	9931.0	10677.4	10677.4
22.5°	7251.7	7246.0	7280.3	7251.7	7354.6	7714.9	8641.4	10139.8	11292.2	11337.9
25°	7775.0	7746.4	7737.8	7672.0	7692.1	7900.8	8732.9	10377.1	12021.3	12115.7
27.5°	8472.7	8426.9	8395.5	8243.9	8192.5	8284.0	9013.1	10663.1	12833.4	12996.4
30°	9382.0	9299.1	9253.3	8990.3	8804.4	8818.7	9436.4	11043.4	13682.7	13945.8
32.5°	10623.0	10494.4	10371.4	9939.6	9599.3	9487.8	9982.5	11569.5	14603.5	15023.8
35°	12012.8	11909.8	11778.3	11112.0	10588.7	10331.4	10720.3	12304.4	15681.5	16347.8
37.5°	13351.0	13262.4	13325.3	12427.4	11752.5	11378.0	11686.8	13291.0	17011.2	17994.8
40°	14735.0	14666.4	14675.0	13817.1	13030.7	12610.4	12859.2	14529.1	18535.3	19953.6
42.5°	16239.1	16187.6	16016.1	15255.4	14371.9	13980.1	14208.9	15958.9	20170.9	22184.0
45°	17923.4	17891.9	17731.8	16859.6	15847.4	15407.0	15715.8	17537.3	21815.1	24282.9
47.5°	19378.8	19404.6	19384.6	18649.7	17600.2	16954.0	17322.9	19184.4	23345.0	26255.9
50°	20079.4	20213.8	20411.1	20182.4	19530.4	18872.7	18944.2	20774.3	24803.3	28106.0
52.5°	19713.4	19967.9	20505.5	20871.5	21123.1	20985.9	20794.3	22352.7	26175.9	29776.0
55°	18349.4	18706.9	19599.0	20482.6	21766.5	22764.5	23016.1	24102.7	27514.1	31245.8
57.5°	15864.5	16445.0	17245.7	19032.8	21194.6	23625.2	25606.8	26530.5	28932.4	32815.6
60°	11603.9	12381.6	13376.7	16036.1	19193.0	23164.8	27811.5	30259.2	30948.4	34848.7
62.5°	7426.1	7906.5	8821.6	11326.5	14955.2	20805.7	28486.3	34920.2	34365.5	38182.9
65°	5084.2	5393.0	6230.9	7637.7	9668.0	15487.1	26679.1	38414.5	39792.8	43467.3
67.5°	3694.5	3929.0	4643.8	5876.3	6299.5	9164.7	20702.8	38254.4	45068.6	48911.8
70°	2693.6	2859.5	3460.0	4643.8	4846.9	5098.5	12541.8	32518.2	44954.2	50358.7
72.5°	1995.9	2110.3	2513.5	3603.0	3923.2	3442.8	6208.0	23633.8	38629.0	45549.0
75°	1444.0	1529.8	1827.2	2756.6	3139.7	2622.2	3096.8	13811.4	26945.1	32040.7
77.5°	1103.8	1169.5	1364.0	2018.8	2513.5	1967.3	1921.6	6353.8	12776.3	12839.2
80°	886.4	929.3	1035.1	1421.2	1927.3	1472.6	1252.5	2565.0	4037.6	3417.1
82.5°	652.0	723.5	875.0	998.0	1378.3	1015.1	763.5	1295.4	1535.6	1321.1
85°	371.7	420.3	529.0	714.9	880.7	620.5	437.5	574.8	714.9	586.2
87.5°	131.5	171.6	185.9	280.2	383.2	257.4	168.7	165.9	234.5	174.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851546
 CATALOG NUMBER: GLAN-SB9C-827-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7900.8	0°	7900.8	7900.8	7900.8	7900.8	7900.8	7900.8	7900.8	7900.8	7900.8	7900.8
7986.6	2.5°	7958.0	7943.7	7886.5	7809.3	7729.2	7652.0	7626.3	7572.0	7534.8	7514.8
8172.5	5°	8118.1	8072.4	7938.0	7766.4	7586.3	7391.8	7254.6	7128.7	7037.2	6951.4
8426.9	7.5°	8346.9	8266.8	8035.2	7735.0	7414.7	7091.6	6851.4	6668.4	6545.4	6465.3
8724.3	10°	8612.8	8489.9	8135.3	7686.3	7191.6	6728.4	6445.3	6288.0	6210.8	6167.9
9064.6	12.5°	8918.8	8744.4	8238.2	7574.8	6851.4	6322.4	6127.9	6082.2	6085.0	6087.9
9493.5	15°	9296.2	9053.2	8321.1	7331.8	6408.1	6010.7	5976.4	6050.7	6127.9	6165.1
9979.7	17.5°	9722.3	9379.2	8335.4	6931.4	5973.5	5810.5	5919.2	6079.3	6196.5	6248.0
10523.0	20°	10179.8	9710.9	8232.5	6365.2	5616.1	5647.5	5842.0	6047.8	6176.5	6242.3
11143.5	22.5°	10703.1	10065.4	7986.6	5770.5	5324.4	5470.2	5699.0	5899.2	6033.5	6099.3
11872.6	25°	11300.7	10462.9	7600.6	5270.1	5072.8	5270.1	5498.8	5664.7	5773.3	5833.4
12687.6	27.5°	11964.2	10877.5	7085.8	4872.6	4852.6	5064.2	5252.9	5381.6	5438.8	5484.5
13554.0	30°	12630.4	11255.0	6462.5	4572.3	4661.0	4861.2	4995.5	5052.7	5069.9	5078.5
14520.5	32.5°	13351.0	11581.0	5807.6	4323.6	4478.0	4663.8	4743.9	4769.6	4689.6	4635.3
15692.9	35°	14223.2	11929.8	5167.1	4126.3	4297.8	4458.0	4483.7	4460.8	4366.5	4254.9
17162.7	37.5°	15301.2	12364.5	4655.3	3986.1	4129.1	4234.9	4203.5	4197.7	4206.3	4074.8
18929.9	40°	16622.3	12930.7	4280.7	3877.5	3991.9	4014.7	3926.1	3974.7	4017.6	3817.4
20868.6	42.5°	18089.2	13614.1	4043.3	3803.1	3877.5	3823.2	3685.9	3740.2	3734.5	3471.4
22816.0	45°	19584.7	14357.6	3960.4	3748.8	3771.7	3663.0	3511.5	3525.8	3405.7	3168.3
24683.2	47.5°	21071.7	15155.4	4011.9	3703.1	3640.1	3517.2	3399.9	3337.0	3159.7	2982.5
26473.3	50°	22530.0	15993.2	4200.6	3611.5	3460.0	3388.5	3302.7	3191.2	3002.5	2850.9
28166.1	52.5°	23882.6	16836.7	4412.2	3460.0	3234.1	3277.0	3222.7	3094.0	2908.1	2753.7
29767.4	55°	25163.6	17680.3	4495.1	3251.3	3022.5	3179.8	3148.3	2911.0	2687.9	2562.1
31443.1	57.5°	26559.0	18695.4	4403.6	2985.3	2850.9	3068.2	2948.1	2685.1	2556.4	2462.0
33624.9	60°	28492.1	20288.2	4206.3	2656.5	2687.9	2902.4	2696.5	2587.8	2447.7	2341.9
36896.1	62.5°	31703.3	23259.2	3888.9	2330.5	2496.3	2656.5	2576.4	2467.7	2324.8	2221.8
42489.3	65°	36450.1	27388.3	3291.3	2076.0	2281.9	2416.3	2447.7	2339.1	2190.4	2081.7
47390.5	67.5°	40453.4	29979.0	2490.6	1864.4	2061.7	2221.8	2310.5	2204.7	2047.4	1941.6
48537.2	70°	40233.2	28097.5	1901.6	1655.7	1867.3	2030.2	2144.6	2061.7	1893.0	1792.9
44087.8	72.5°	35735.2	23505.1	1538.4	1444.0	1669.9	1830.1	1967.3	1904.4	1732.9	1635.6
32298.1	75°	26253.1	16685.2	1229.6	1229.6	1424.0	1621.3	1772.9	1732.9	1575.6	1507.0
13559.8	77.5°	11066.3	7000.1	963.7	1020.8	1183.8	1392.6	1581.3	1595.6	1458.3	1544.1
3585.8	80°	2942.4	1930.2	734.9	803.5	929.3	1149.5	1375.4	1369.7	1221.0	1140.9
1332.5	82.5°	1120.9	760.6	523.3	566.2	672.0	880.7	1089.5	1123.8	975.1	843.6
523.3	85°	431.8	326.0	323.1	340.3	391.8	583.3	823.5	852.1	734.9	623.4
145.8	87.5°	111.5	97.2	120.1	114.4	180.1	311.7	471.8	489.0	448.9	260.2
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°
7900.8
7537.6
6985.8
6482.5
6179.4
6093.6
6162.2
6259.4
6259.4
6116.5
5850.5
5501.7
5098.5
4652.4
4260.7
4083.4
3823.2
3468.6
3176.9
2982.5
2839.5
2756.6
2550.7
2453.5
2336.2
2221.8
2087.4
1944.5
1801.5
1635.6
1486.9
1401.2
1060.9
843.6
643.4
371.7
0.0

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