

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: P849466

Luminaire Tested: **GLAN-SB6C-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849466
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-SB6C-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44157 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

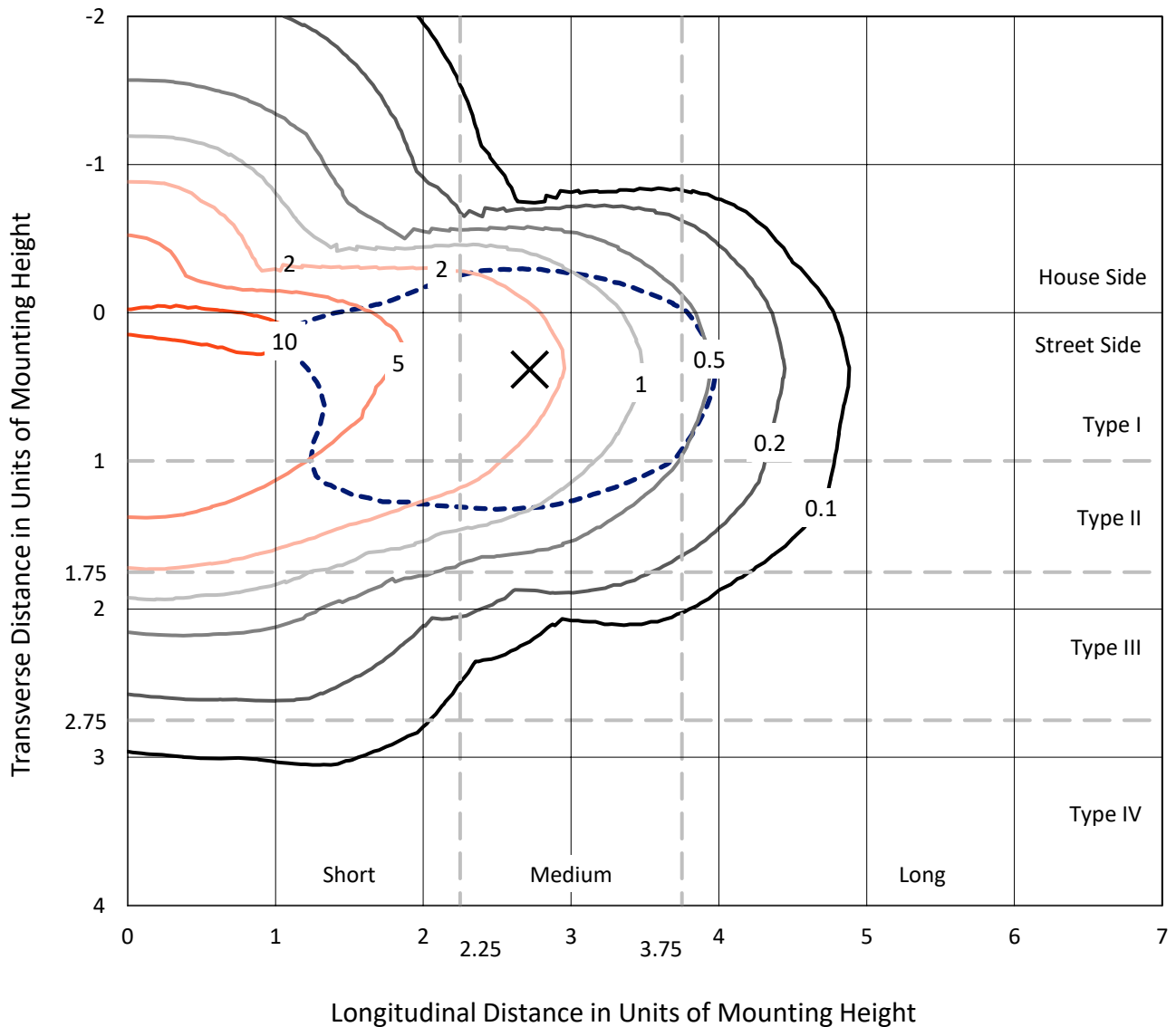
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

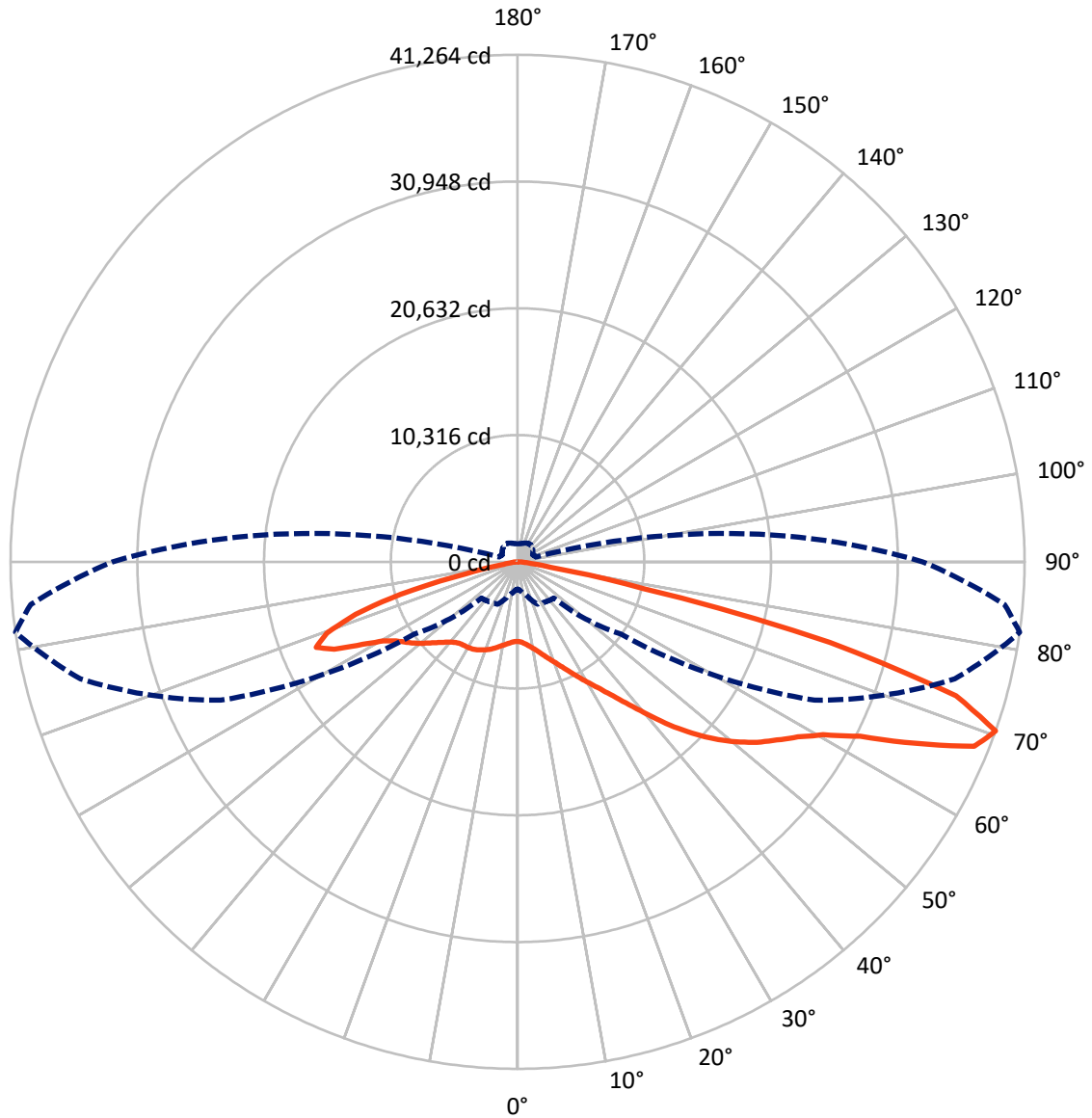
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10885.8	0.0	10885.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	33271.2	0.0	33271.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	44157.0	0.0	44157.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.3	1.4
10°-20°	1756.2	4.0
20°-30°	2937.9	6.7
30°-40°	4589.8	10.4
40°-50°	7309.7	16.6
50°-60°	10172.4	23.0
60°-70°	10640.8	24.1
70°-80°	5561.4	12.6
80°-90°	577.5	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°	44157.0	100.0
0°-180°	44157.0	100.0

Coefficient of Utilization



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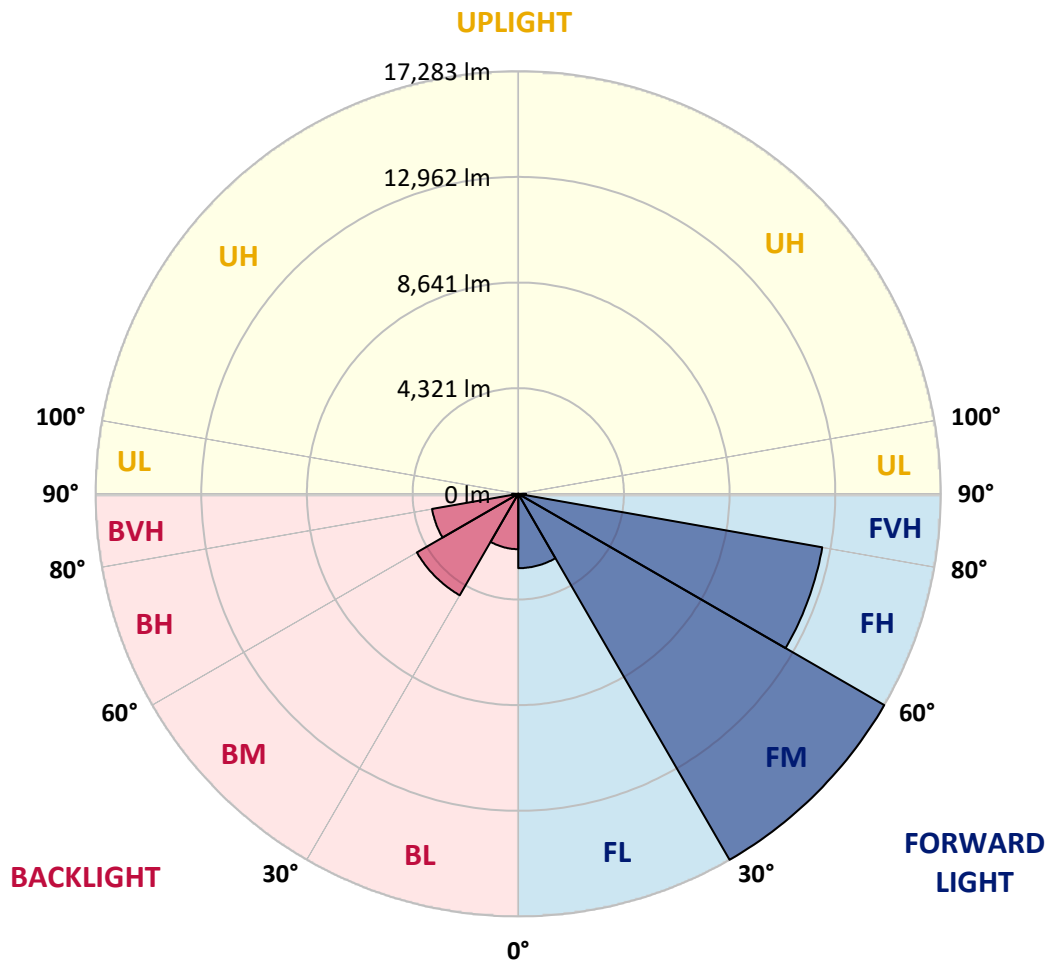
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3040.7	6.9			
FM (30°-60°)	17282.6	39.1			
FH (60°-80°)	12624.6	28.6			G5
FVH (80°-90°)	323.3	0.7			G3/500
BL (0°-30°)	2264.6	5.1	B3/2500		
BM (30°-60°)	4789.3	10.8	B3/5000		
BH (60°-80°)	3577.6	8.1	B4/5000		G4/5000
BVH (80°-90°)	254.2	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6474.0	6474.0	6474.0	6474.0	6474.0	6474.0	6474.0	6474.0	6474.0	6474.0
2.5°	6628.6	6666.1	6654.4	6642.7	6642.7	6626.3	6623.9	6600.5	6581.8	6551.3
5°	6713.0	6752.8	6748.1	6757.5	6787.9	6795.0	6802.0	6787.9	6750.5	6713.0
7.5°	6638.0	6682.5	6696.6	6752.8	6846.5	6930.9	6994.1	7019.9	6984.8	6930.9
10°	6384.9	6434.1	6483.3	6616.9	6783.3	6982.4	7151.1	7251.9	7244.8	7193.3
12.5°	5871.8	5923.3	6028.8	6288.9	6593.5	6944.9	7258.9	7469.8	7542.4	7504.9
15°	5461.8	5506.3	5585.9	5853.0	6249.0	6783.3	7298.7	7708.8	7893.9	7872.8
17.5°	5450.0	5468.8	5518.0	5644.5	5949.1	6530.2	7256.6	7943.1	8296.9	8294.6
20°	5656.2	5663.3	5691.4	5717.1	5890.5	6338.1	7148.8	8137.6	8749.1	8749.1
22.5°	5942.1	5937.4	5965.5	5942.1	6026.4	6321.7	7080.8	8308.6	9252.9	9290.4
25°	6370.9	6347.4	6340.4	6286.5	6302.9	6474.0	7155.8	8503.1	9850.4	9927.7
27.5°	6942.6	6905.1	6879.3	6755.1	6713.0	6787.9	7385.4	8737.4	10515.8	10649.4
30°	7687.7	7619.7	7582.3	7366.7	7214.4	7226.1	7732.2	9049.0	11211.7	11427.3
32.5°	8704.6	8599.2	8498.4	8144.6	7865.8	7774.4	8179.7	9480.2	11966.2	12310.6
35°	9843.3	9759.0	9651.2	9105.3	8676.5	8465.6	8784.3	10082.3	12849.5	13395.5
37.5°	10939.9	10867.3	10918.8	10183.1	9630.1	9323.2	9576.2	10890.7	13939.1	14745.1
40°	12074.0	12017.7	12024.8	11321.8	10677.5	10333.0	10536.9	11905.3	15187.9	16350.1
42.5°	13306.4	13264.3	13123.7	12500.4	11776.4	11455.4	11642.8	13076.8	16528.2	18177.7
45°	14686.5	14660.7	14529.5	13814.9	12985.4	12624.6	12877.6	14370.2	17875.5	19897.6
47.5°	15879.1	15900.2	15883.8	15281.7	14421.7	13892.2	14194.5	15719.8	19129.0	21514.3
50°	16453.2	16563.3	16725.0	16537.6	16003.3	15464.4	15523.0	17022.6	20324.0	23030.3
52.5°	16153.3	16361.8	16802.3	17102.2	17308.4	17196.0	17039.0	18316.0	21448.7	24398.6
55°	15035.6	15328.5	16059.6	16783.6	17835.6	18653.4	18859.6	19749.9	22545.2	25603.0
57.5°	12999.5	13475.1	14131.2	15595.6	17367.0	19358.6	20982.4	21739.2	23707.4	26889.3
60°	9508.3	10145.6	10961.0	13140.1	15726.8	18981.4	22788.9	24794.6	25359.3	28555.3
62.5°	6085.0	6478.7	7228.4	9281.0	12254.4	17048.4	23341.9	28613.9	28159.3	31287.3
65°	4166.0	4419.1	5105.6	6258.4	7922.0	12690.2	21861.1	31477.1	32606.5	35617.4
67.5°	3027.3	3219.4	3805.2	4815.1	5161.8	7509.6	16964.0	31345.9	36929.5	40078.6
70°	2207.2	2343.1	2835.1	3805.2	3971.5	4177.7	10276.8	26645.7	36835.8	41264.2
72.5°	1635.5	1729.2	2059.6	2952.3	3214.7	2821.1	5086.9	19365.7	31652.9	37323.1
75°	1183.3	1253.6	1497.2	2258.7	2572.7	2148.6	2537.6	11317.1	22079.0	26254.4
77.5°	904.4	958.3	1117.7	1654.2	2059.6	1612.0	1574.6	5206.4	10468.9	10520.5
80°	726.4	761.5	848.2	1164.5	1579.2	1206.7	1026.3	2101.8	3308.4	2800.0
82.5°	534.2	592.8	717.0	817.7	1129.4	831.8	625.6	1061.4	1258.2	1082.5
85°	304.6	344.4	433.5	585.8	721.7	508.5	358.5	471.0	585.8	480.3
87.5°	107.8	140.6	152.3	229.6	314.0	210.9	138.2	135.9	192.1	142.9
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°
6474.0	0°	6474.0	6474.0	6474.0	6474.0	6474.0	6474.0	6474.0	6474.0	6474.0	6474.0
6544.3	2.5°	6520.8	6509.1	6462.3	6399.0	6333.4	6270.1	6249.0	6204.5	6174.1	6157.7
6696.6	5°	6652.0	6614.6	6504.4	6363.8	6216.2	6056.9	5944.4	5841.3	5766.4	5696.1
6905.1	7.5°	6839.5	6773.9	6584.1	6338.1	6075.6	5810.9	5614.1	5464.1	5363.3	5297.7
7148.8	10°	7057.4	6956.6	6666.1	6298.2	5892.9	5513.3	5281.3	5152.5	5089.2	5054.1
7427.6	12.5°	7308.1	7165.2	6750.5	6206.9	5614.1	5180.6	5021.3	4983.8	4986.1	4988.4
7779.1	15°	7617.4	7418.2	6818.4	6007.7	5250.9	4925.2	4897.1	4958.0	5021.3	5051.7
8177.4	17.5°	7966.5	7685.3	6830.1	5679.7	4894.7	4761.2	4850.2	4981.4	5077.5	5119.7
8622.6	20°	8341.4	7957.1	6745.8	5215.7	4601.8	4627.6	4786.9	4955.6	5061.1	5115.0
9131.0	22.5°	8770.2	8247.7	6544.3	4728.4	4362.8	4482.3	4669.8	4833.8	4943.9	4997.8
9728.5	25°	9259.9	8573.4	6227.9	4318.3	4156.6	4318.3	4505.8	4641.7	4730.7	4779.9
10396.3	27.5°	9803.5	8913.1	5806.2	3992.6	3976.2	4149.6	4304.3	4409.7	4456.6	4494.1
11106.3	30°	10349.4	9222.4	5295.4	3746.6	3819.2	3983.3	4093.4	4140.2	4154.3	4161.3
11898.2	32.5°	10939.9	9489.5	4758.8	3542.8	3669.3	3821.6	3887.2	3908.3	3842.7	3798.2
12858.9	35°	11654.5	9775.4	4234.0	3381.1	3521.7	3652.9	3674.0	3655.2	3577.9	3486.5
14063.2	37.5°	12537.9	10131.5	3814.6	3266.3	3383.4	3470.1	3444.3	3439.7	3446.7	3338.9
15511.3	40°	13620.4	10595.5	3507.6	3177.2	3271.0	3289.7	3217.1	3256.9	3292.0	3128.0
17099.9	42.5°	14822.4	11155.5	3313.1	3116.3	3177.2	3132.7	3020.2	3064.8	3060.1	2844.5
18695.5	45°	16047.8	11764.7	3245.2	3071.8	3090.5	3001.5	2877.3	2889.0	2790.6	2596.1
20225.6	47.5°	17266.3	12418.4	3287.4	3034.3	2982.8	2882.0	2785.9	2734.4	2589.1	2443.8
21692.4	50°	18461.2	13104.9	3442.0	2959.3	2835.1	2776.6	2706.3	2614.9	2460.2	2336.1
23079.5	52.5°	19569.5	13796.1	3615.4	2835.1	2650.0	2685.2	2640.7	2535.2	2382.9	2256.4
24391.6	55°	20619.2	14487.3	3683.3	2664.1	2476.7	2605.5	2579.7	2385.3	2202.5	2099.4
25764.7	57.5°	21762.7	15319.1	3608.4	2446.2	2336.1	2514.1	2415.7	2200.2	2094.7	2017.4
27552.4	60°	23346.6	16624.3	3446.7	2176.7	2202.5	2378.2	2209.5	2120.5	2005.7	1919.0
30232.9	62.5°	25977.9	19058.7	3186.6	1909.6	2045.5	2176.7	2111.1	2022.1	1904.9	1820.6
34816.0	65°	29867.4	22442.2	2696.9	1701.1	1869.8	1979.9	2005.7	1916.7	1794.8	1705.8
38832.1	67.5°	33147.7	24565.0	2040.8	1527.7	1689.4	1820.6	1893.2	1806.5	1677.7	1591.0
39771.7	70°	32967.3	23023.2	1558.2	1356.7	1530.0	1663.6	1757.3	1689.4	1551.1	1469.1
36125.8	72.5°	29281.6	19260.2	1260.6	1183.3	1368.4	1499.6	1612.0	1560.5	1419.9	1340.2
26465.2	75°	21511.9	13672.0	1007.5	1007.5	1166.9	1328.5	1452.7	1419.9	1291.0	1234.8
11111.0	77.5°	9067.8	5735.9	789.6	836.5	970.0	1141.1	1295.7	1307.4	1195.0	1265.3
2938.2	80°	2411.0	1581.6	602.2	658.4	761.5	941.9	1127.0	1122.3	1000.5	934.9
1091.9	82.5°	918.5	623.3	428.8	463.9	550.6	721.7	892.7	920.8	799.0	691.2
428.8	85°	353.8	267.1	264.8	278.8	321.0	478.0	674.8	698.2	602.2	510.8
119.5	87.5°	91.4	79.7	98.4	93.7	147.6	255.4	386.6	400.7	367.9	213.2
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°
6474.0
6176.4
5724.2
5311.8
5063.4
4993.1
5049.4
5129.0
5129.0
5011.9
4794.0
4508.1
4177.7
3812.2
3491.2
3345.9
3132.7
2842.2
2603.2
2443.8
2326.7
2258.7
2090.0
2010.4
1914.3
1820.6
1710.5
1593.3
1476.1
1340.2
1218.4
1148.1
869.3
691.2
527.2
304.6
0.0

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