

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: P849696

Luminaire Tested: **GLAN-SB6D-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849696
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-SB6D-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50625 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

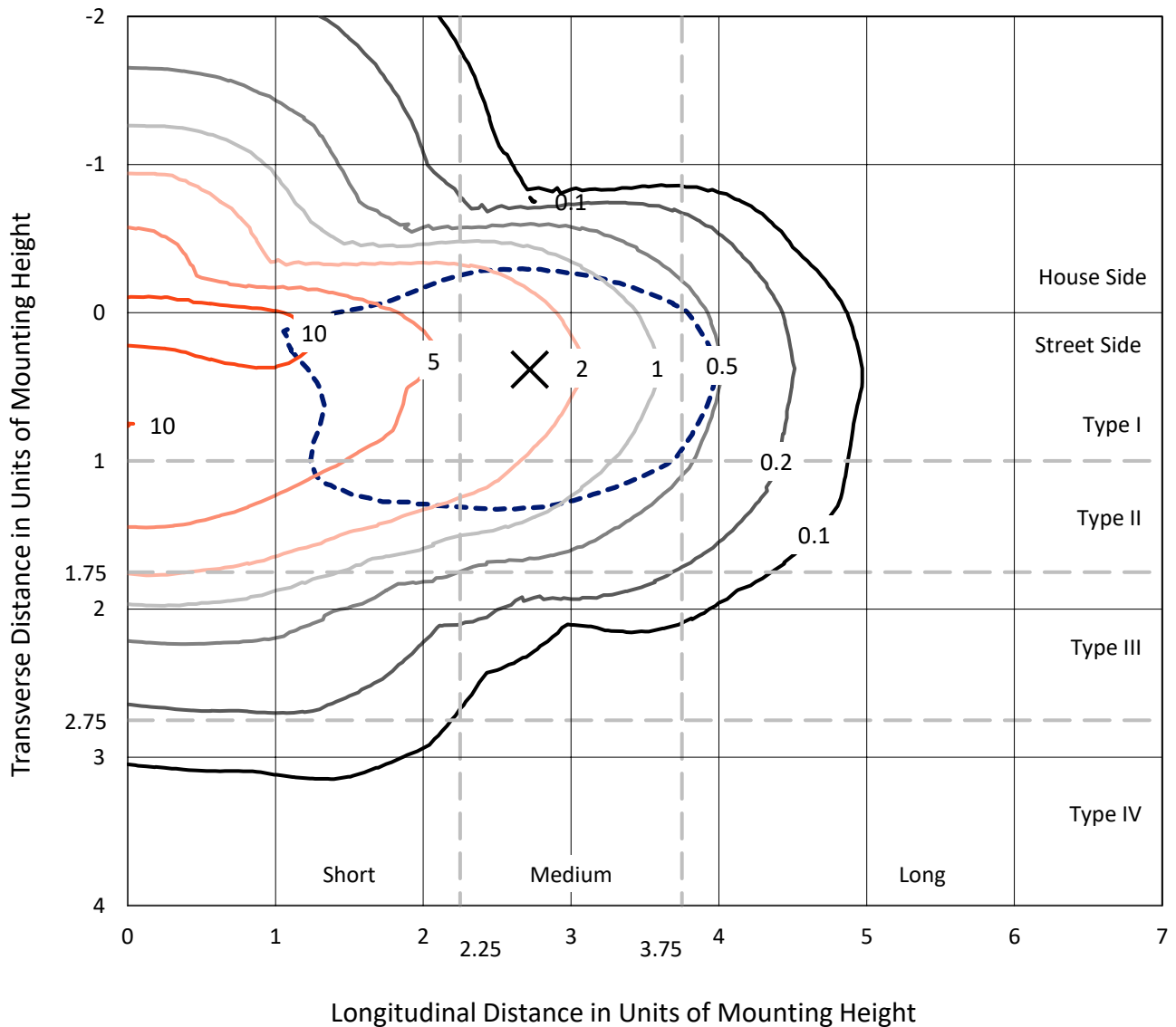
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

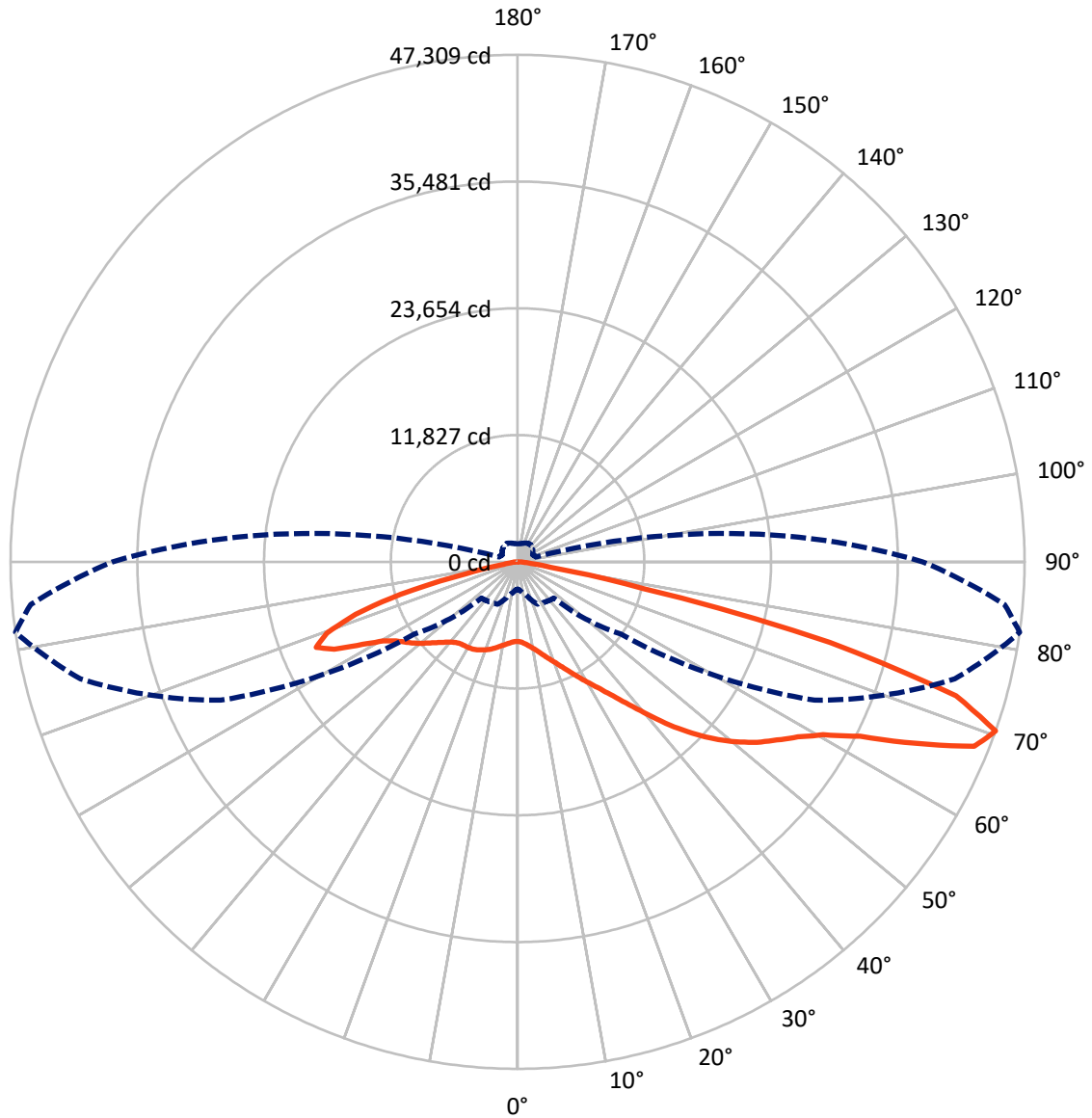
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P849696
CATALOG NUMBER: GLAN-SB6D-835-U-T2

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	12480.3	0.0	12480.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	38144.7	0.0	38144.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	50625.0	0.0	50625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	700.8	1.4
10°-20°	2013.4	4.0
20°-30°	3368.2	6.7
30°-40°	5262.1	10.4
40°-50°	8380.5	16.6
50°-60°	11662.4	23.0
60°-70°	12199.4	24.1
70°-80°	6376.1	12.6
80°-90°	662.1	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°	50625.0	100.0
0°-180°	50625.0	100.0

Coefficient of Utilization



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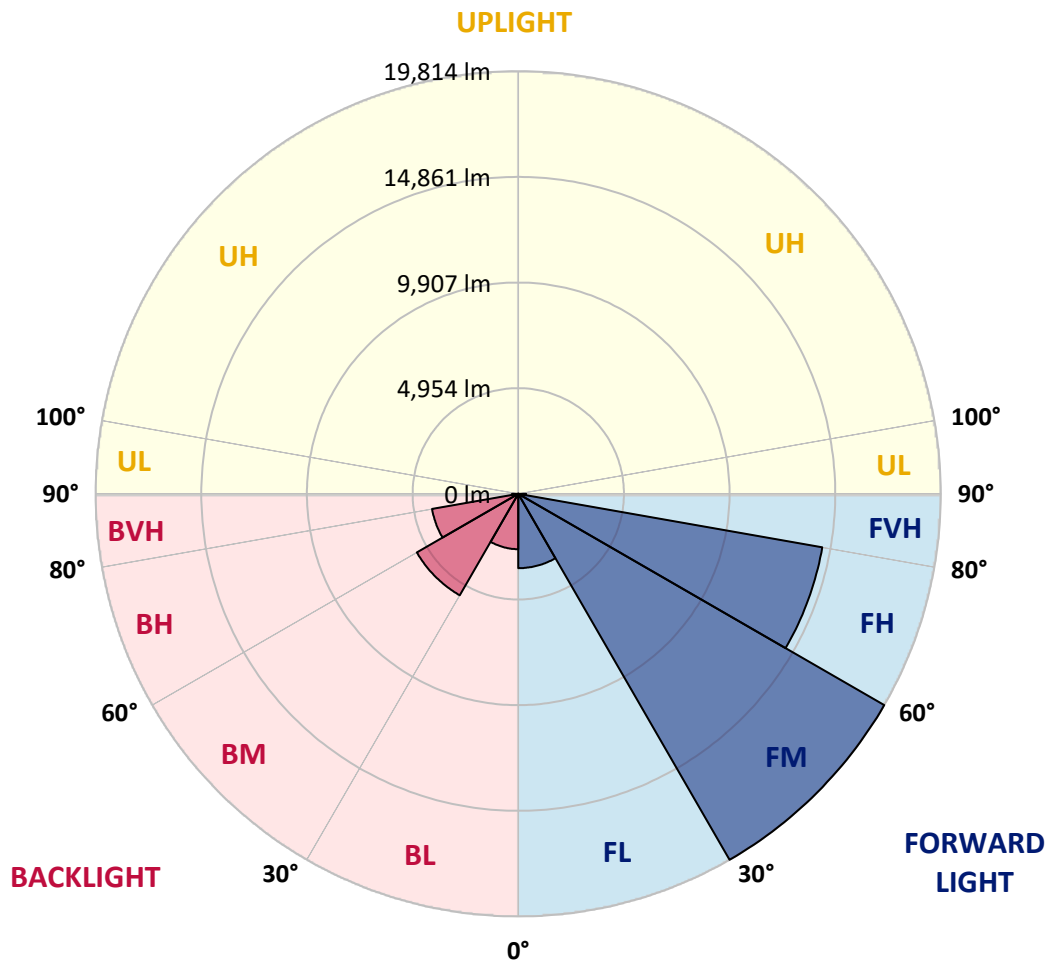
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3486.1	6.9			
FM (30°-60°)	19814.1	39.1			
FH (60°-80°)	14473.8	28.6			G5
FVH (80°-90°)	370.6	0.7			G3/500
BL (0°-30°)	2596.4	5.1	B4/5000		
BM (30°-60°)	5490.8	10.8	B4/8500		
BH (60°-80°)	4101.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	291.4	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: P849696
 CATALOG NUMBER: GLAN-SB6D-835-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7422.3	7422.3	7422.3	7422.3	7422.3	7422.3	7422.3	7422.3	7422.3	7422.3
2.5°	7599.6	7642.5	7629.1	7615.7	7615.7	7596.9	7594.2	7567.3	7545.8	7510.9
5°	7696.3	7741.9	7736.6	7747.3	7782.2	7790.3	7798.3	7782.2	7739.2	7696.3
7.5°	7610.3	7661.3	7677.5	7741.9	7849.4	7946.1	8018.6	8048.2	8007.9	7946.1
10°	7320.2	7376.6	7433.0	7586.1	7776.9	8005.2	8198.6	8314.1	8306.1	8247.0
12.5°	6731.9	6791.0	6911.9	7210.0	7559.3	7962.2	8322.2	8563.9	8647.2	8604.2
15°	6261.8	6312.8	6404.1	6710.4	7164.4	7776.9	8367.8	8837.9	9050.2	9026.0
17.5°	6248.3	6269.8	6326.2	6471.3	6820.5	7486.7	8319.5	9106.6	9512.2	9509.5
20°	6484.7	6492.8	6525.0	6554.6	6753.4	7266.5	8195.9	9329.5	10030.7	10030.7
22.5°	6812.5	6807.1	6839.3	6812.5	6909.2	7247.6	8118.0	9525.6	10608.2	10651.2
25°	7304.1	7277.2	7269.1	7207.4	7226.2	7422.3	8204.0	9748.6	11293.2	11381.9
27.5°	7959.5	7916.5	7887.0	7744.6	7696.3	7782.2	8467.2	10017.2	12056.1	12209.3
30°	8813.8	8735.9	8692.9	8445.7	8271.1	8284.6	8864.8	10374.5	12854.0	13101.1
32.5°	9979.6	9858.7	9743.2	9337.6	9017.9	8913.2	9377.9	10868.8	13719.0	14113.8
35°	11285.2	11188.5	11064.9	10439.0	9947.4	9705.6	10071.0	11559.2	14731.7	15357.6
37.5°	12542.4	12459.1	12518.2	11674.7	11040.7	10688.8	10978.9	12485.9	15980.8	16904.9
40°	13842.5	13778.1	13786.1	12980.2	12241.5	11846.6	12080.3	13649.1	17412.6	18745.0
42.5°	15255.5	15207.2	15046.0	14331.4	13501.4	13133.3	13348.2	14992.3	18949.2	20840.3
45°	16837.8	16808.2	16657.8	15838.4	14887.5	14473.8	14763.9	16475.1	20493.8	22812.1
47.5°	18205.1	18229.3	18210.5	17520.1	16534.2	15927.1	16273.6	18022.4	21931.0	24665.6
50°	18863.2	18989.5	19174.8	18959.9	18347.5	17729.6	17796.8	19516.0	23301.0	26403.7
52.5°	18519.4	18758.5	19263.5	19607.3	19843.7	19714.8	19534.8	20998.8	24590.4	27972.5
55°	17238.0	17573.8	18411.9	19242.0	20448.1	21385.7	21622.1	22642.9	25847.6	29353.2
57.5°	14903.6	15448.9	16201.1	17880.0	19910.9	22194.2	24055.9	24923.5	27180.0	30828.0
60°	10901.0	11631.7	12566.5	15064.8	18030.5	21761.7	26127.0	28426.5	29073.9	32738.0
62.5°	6976.3	7427.6	8287.2	10640.5	14049.4	19545.5	26761.0	32805.1	32284.0	35870.2
65°	4776.2	5066.4	5853.5	7175.1	9082.4	14549.0	25063.2	36087.8	37382.6	40834.5
67.5°	3470.7	3691.0	4362.6	5520.4	5917.9	8609.6	19448.8	35937.4	42338.8	45949.2
70°	2530.5	2686.3	3250.4	4362.6	4553.3	4789.7	11782.1	30548.6	42231.4	47308.5
72.5°	1875.0	1982.5	2361.3	3384.7	3685.6	3234.3	5832.0	22202.3	36289.3	42790.1
75°	1356.6	1437.2	1716.5	2589.6	2949.6	2463.3	2909.3	12974.8	25313.0	30100.0
77.5°	1036.9	1098.7	1281.4	1896.5	2361.3	1848.2	1805.2	5969.0	12002.4	12061.5
80°	832.8	873.0	972.4	1335.1	1810.6	1383.4	1176.6	2409.6	3793.1	3210.1
82.5°	612.5	679.6	822.0	937.5	1294.8	953.6	717.2	1216.9	1442.5	1241.1
85°	349.2	394.9	497.0	671.6	827.4	582.9	411.0	539.9	671.6	550.7
87.5°	123.6	161.2	174.6	263.3	360.0	241.8	158.5	155.8	220.3	163.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849696
 CATALOG NUMBER: GLAN-SB6D-835-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7422.3	0°	7422.3	7422.3	7422.3	7422.3	7422.3	7422.3	7422.3	7422.3	7422.3	7422.3
7502.8	2.5°	7476.0	7462.6	7408.8	7336.3	7261.1	7188.5	7164.4	7113.3	7078.4	7059.6
7677.5	5°	7626.4	7583.4	7457.2	7296.0	7126.8	6944.1	6815.2	6697.0	6611.0	6530.4
7916.5	7.5°	7841.3	7766.1	7548.5	7266.5	6965.6	6662.0	6436.4	6264.5	6148.9	6073.7
8195.9	10°	8091.1	7975.6	7642.5	7220.8	6756.1	6320.9	6054.9	5907.2	5834.7	5794.4
8515.6	12.5°	8378.6	8214.7	7739.2	7116.0	6436.4	5939.4	5756.7	5713.8	5716.5	5719.1
8918.5	15°	8733.2	8504.8	7817.1	6887.7	6020.0	5646.6	5614.4	5684.2	5756.7	5791.7
9375.2	17.5°	9133.4	8811.1	7830.6	6511.6	5611.7	5458.6	5560.6	5711.1	5821.2	5869.6
9885.6	20°	9563.2	9122.7	7733.9	5979.7	5275.9	5305.5	5488.1	5681.5	5802.4	5864.2
10468.5	22.5°	10054.8	9455.8	7502.8	5421.0	5001.9	5138.9	5353.8	5541.8	5668.1	5729.9
11153.5	25°	10616.3	9829.2	7140.2	4950.9	4765.5	4950.9	5165.8	5321.6	5423.6	5480.1
11919.1	27.5°	11239.5	10218.7	6656.7	4577.5	4558.7	4757.4	4934.7	5055.6	5109.4	5152.3
12733.1	30°	11865.4	10573.3	6071.0	4295.4	4378.7	4566.7	4693.0	4746.7	4762.8	4770.9
13641.1	32.5°	12542.4	10879.5	5455.9	4061.7	4206.8	4381.4	4456.6	4480.8	4405.5	4354.5
14742.4	35°	13361.7	11207.3	4854.2	3876.3	4037.5	4187.9	4212.1	4190.6	4102.0	3997.2
16123.2	37.5°	14374.4	11615.6	4373.3	3744.7	3879.0	3978.4	3948.9	3943.5	3951.6	3828.0
17783.3	40°	15615.5	12147.5	4021.4	3642.6	3750.1	3771.6	3688.3	3734.0	3774.3	3586.2
19604.6	42.5°	16993.6	12789.5	3798.4	3572.8	3642.6	3591.6	3462.6	3513.7	3508.3	3261.2
21434.0	45°	18398.5	13487.9	3720.5	3521.7	3543.2	3441.2	3298.8	3312.2	3199.4	2976.4
23188.2	47.5°	19795.4	14237.4	3768.9	3478.8	3419.7	3304.2	3194.0	3134.9	2968.4	2801.8
24869.8	50°	21165.4	15024.5	3946.2	3392.8	3250.4	3183.3	3102.7	2997.9	2820.6	2678.2
26460.1	52.5°	22436.0	15817.0	4145.0	3250.4	3038.2	3078.5	3027.5	2906.6	2732.0	2586.9
27964.4	55°	23639.5	16609.4	4222.9	3054.3	2839.4	2987.2	2957.6	2734.7	2525.1	2406.9
29538.6	57.5°	24950.4	17563.1	4136.9	2804.5	2678.2	2882.4	2769.6	2522.4	2401.6	2312.9
31588.2	60°	26766.3	19059.3	3951.6	2495.6	2525.1	2726.6	2533.2	2431.1	2299.5	2200.1
34661.4	62.5°	29783.1	21850.4	3653.4	2189.3	2345.1	2495.6	2420.4	2318.3	2184.0	2087.3
39915.8	65°	34242.3	25729.4	3091.9	1950.3	2143.7	2269.9	2299.5	2197.4	2057.7	1955.6
44520.1	67.5°	38003.1	28163.2	2339.8	1751.5	1936.8	2087.3	2170.5	2071.1	1923.4	1824.0
45597.3	70°	37796.3	26395.6	1786.4	1555.4	1754.2	1907.3	2014.7	1936.8	1778.3	1684.3
41417.4	72.5°	33570.7	22081.4	1445.2	1356.6	1568.8	1719.2	1848.2	1789.1	1627.9	1536.6
30341.8	75°	24663.0	15674.6	1155.1	1155.1	1337.8	1523.1	1665.5	1627.9	1480.2	1415.7
12738.5	77.5°	10396.0	6576.1	905.3	959.0	1112.1	1308.2	1485.5	1499.0	1370.0	1450.6
3368.6	80°	2764.2	1813.3	690.4	754.9	873.0	1079.9	1292.1	1286.7	1147.1	1071.8
1251.8	82.5°	1053.0	714.6	491.6	531.9	631.3	827.4	1023.5	1055.7	916.0	792.5
491.6	85°	405.6	306.2	303.6	319.7	368.0	548.0	773.7	800.5	690.4	585.6
137.0	87.5°	104.8	91.3	112.8	107.5	169.2	292.8	443.2	459.4	421.7	244.5
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°
7422.3
7081.1
6562.6
6089.9
5805.1
5724.5
5789.0
5880.3
5880.3
5746.0
5496.2
5168.4
4789.7
4370.6
4002.6
3836.0
3591.6
3258.5
2984.5
2801.8
2667.5
2589.6
2396.2
2304.8
2194.7
2087.3
1961.0
1826.7
1692.4
1536.6
1396.9
1316.3
996.6
792.5
604.4
349.2
0.0

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