

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: P850716

Luminaire Tested: **GLAN-SB8B-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850716
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-SB8B-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37356 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

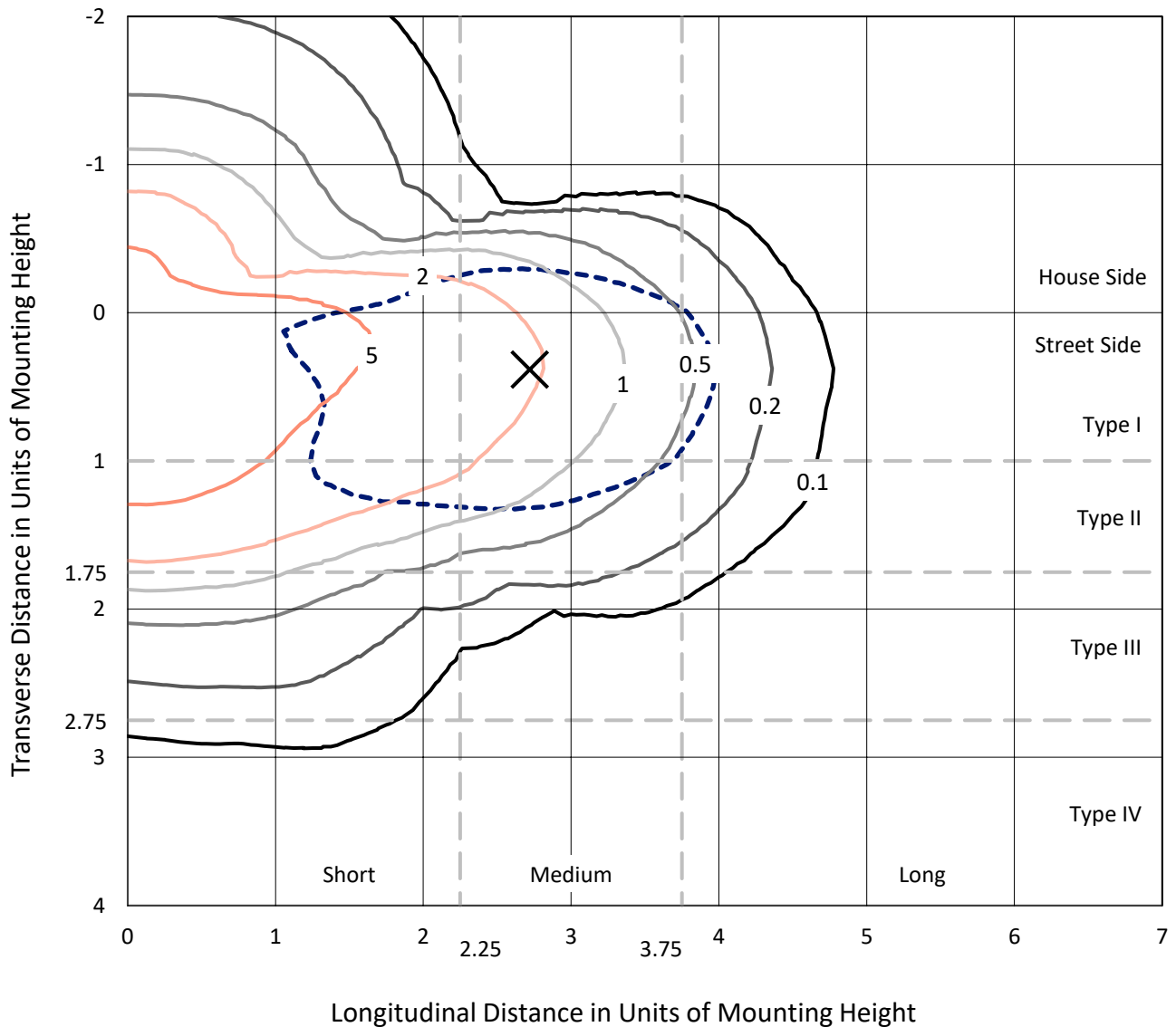
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

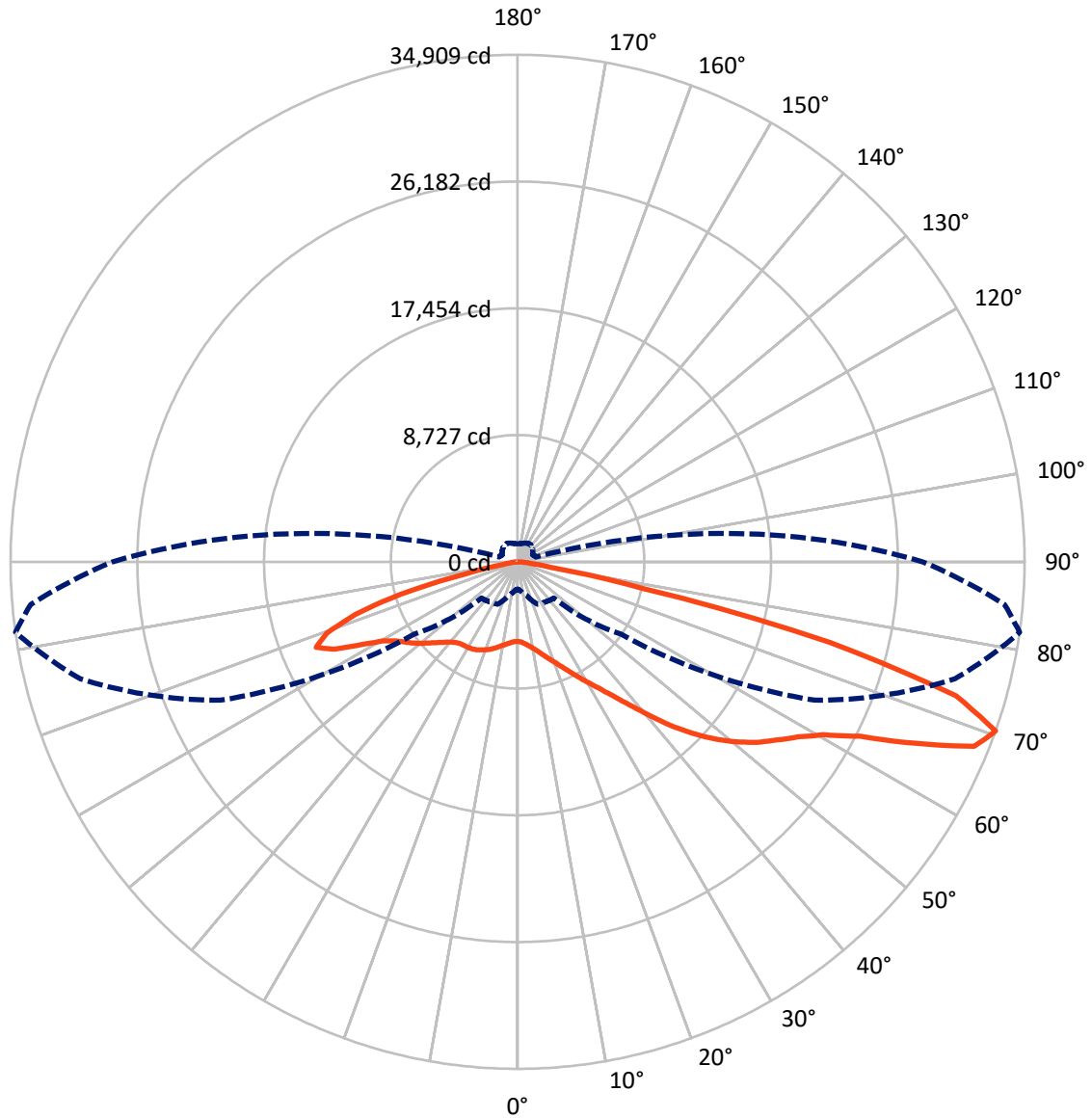
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	9209.2	0.0	9209.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	28146.8	0.0	28146.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	37356.0	0.0	37356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.1	1.4
10°-20°	1485.7	4.0
20°-30°	2485.4	6.7
30°-40°	3882.9	10.4
40°-50°	6183.9	16.6
50°-60°	8605.7	23.0
60°-70°	9001.9	24.1
70°-80°	4704.9	12.6
80°-90°	488.6	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°	37356.0	100.0
0°-180°	37356.0	100.0

Coefficient of Utilization

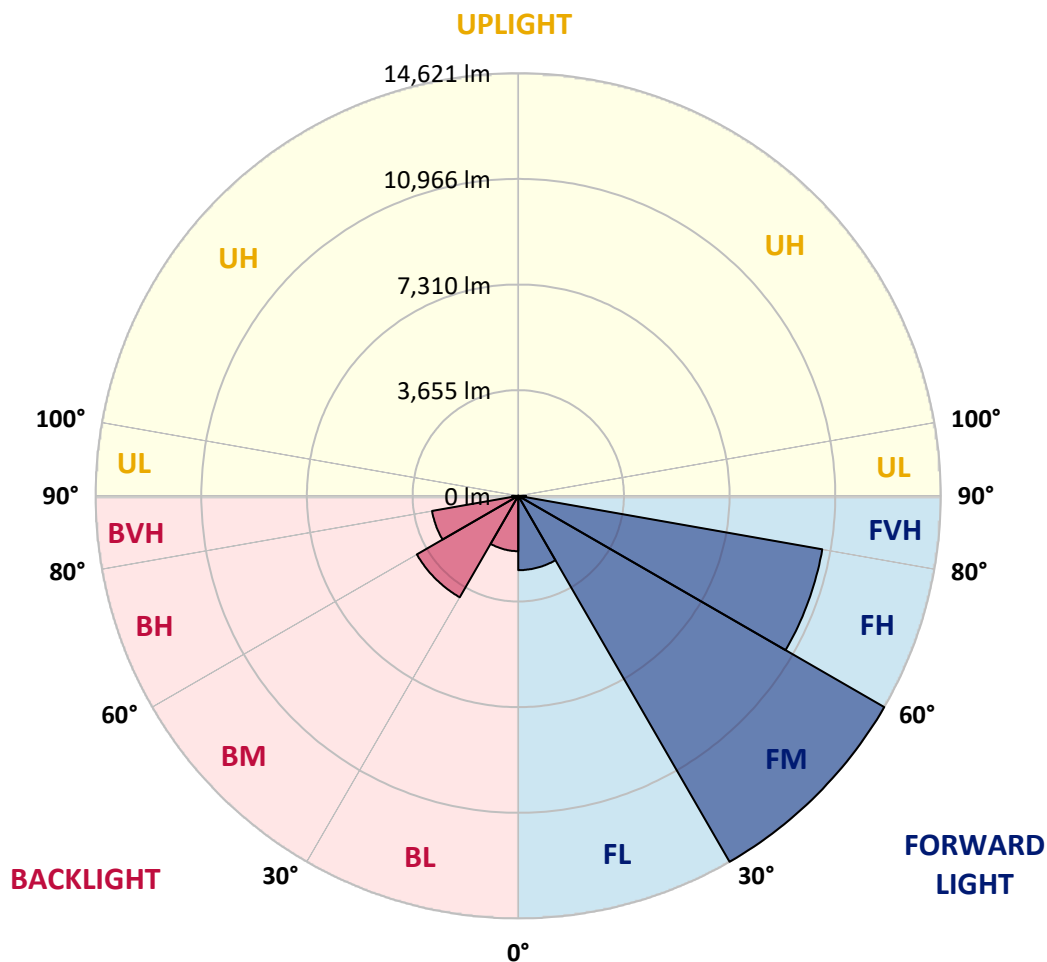


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2572.4	6.9			
FM (30°-60°)	14620.8	39.1			
FH (60°-80°)	10680.2	28.6			G4/12000
FVH (80°-90°)	273.5	0.7			G3/500
BL (0°-30°)	1915.8	5.1	B3/2500		
BM (30°-60°)	4051.7	10.8	B3/5000		
BH (60°-80°)	3026.6	8.1	B4/5000		G4/5000
BVH (80°-90°)	215.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5476.9	5476.9	5476.9	5476.9	5476.9	5476.9	5476.9	5476.9	5476.9	5476.9
2.5°	5607.7	5639.4	5629.5	5619.6	5619.6	5605.7	5603.7	5583.9	5568.0	5542.3
5°	5679.0	5712.7	5708.8	5716.7	5742.5	5748.4	5754.4	5742.5	5710.8	5679.0
7.5°	5615.6	5653.3	5665.2	5712.7	5792.0	5863.4	5916.9	5938.7	5909.0	5863.4
10°	5401.5	5443.2	5484.8	5597.8	5738.5	5907.0	6049.7	6135.0	6129.0	6085.4
12.5°	4967.4	5011.0	5100.2	5320.3	5577.9	5875.3	6140.9	6319.3	6380.7	6349.0
15°	4620.5	4658.2	4725.6	4951.6	5286.6	5738.5	6174.6	6521.5	6678.1	6660.2
17.5°	4610.6	4626.5	4668.1	4775.2	5032.8	5524.4	6138.9	6719.7	7019.0	7017.0
20°	4785.1	4791.0	4814.8	4836.6	4983.3	5361.9	6047.7	6884.2	7401.6	7401.6
22.5°	5026.9	5022.9	5046.7	5026.9	5098.3	5348.0	5990.3	7028.9	7827.8	7859.5
25°	5389.6	5369.8	5363.9	5318.3	5332.2	5476.9	6053.7	7193.5	8333.2	8398.6
27.5°	5873.3	5841.6	5819.8	5714.7	5679.0	5742.5	6247.9	7391.7	8896.2	9009.2
30°	6503.6	6446.2	6414.4	6232.1	6103.2	6113.1	6541.3	7655.3	9484.9	9667.3
32.5°	7363.9	7274.7	7189.5	6890.2	6654.3	6577.0	6919.9	8020.0	10123.2	10414.6
35°	8327.3	8255.9	8164.7	7702.9	7340.1	7161.7	7431.3	8529.5	10870.5	11332.3
37.5°	9255.0	9193.5	9237.1	8614.7	8146.9	7887.2	8101.3	9213.3	11792.2	12474.1
40°	10214.3	10166.8	10172.7	9578.1	9032.9	8741.6	8914.0	10071.6	12848.7	13831.9
42.5°	11257.0	11221.3	11102.4	10575.1	9962.6	9691.0	9849.6	11062.7	13982.5	15378.0
45°	12424.5	12402.7	12291.7	11687.1	10985.4	10680.2	10894.2	12156.9	15122.3	16833.0
47.5°	13433.5	13451.3	13437.4	12928.0	12200.5	11752.5	12008.3	13298.7	16182.8	18200.7
50°	13919.1	14012.3	14149.0	13990.5	13538.5	13082.6	13132.2	14400.8	17193.7	19483.2
52.5°	13665.4	13841.8	14214.5	14468.2	14642.6	14547.5	14414.7	15495.0	18145.2	20640.8
55°	12719.9	12967.6	13586.1	14198.6	15088.6	15780.4	15954.8	16708.1	19072.9	21659.7
57.5°	10997.3	11399.7	11954.7	13193.6	14692.2	16377.1	17750.7	18391.0	20056.0	22747.9
60°	8043.8	8583.0	9272.8	11116.3	13304.6	16057.9	19279.0	20975.8	21453.5	24157.2
62.5°	5147.8	5480.8	6115.1	7851.5	10367.0	14422.6	19746.8	24206.8	23822.2	26468.5
65°	3524.4	3738.5	4319.2	5294.5	6701.9	10735.7	18494.1	26629.1	27584.5	30131.6
67.5°	2561.0	2723.6	3219.1	4073.4	4366.8	6353.0	14351.2	26518.1	31241.7	33905.8
70°	1867.2	1982.2	2398.5	3219.1	3359.9	3534.3	8694.0	22541.7	31162.4	34908.8
72.5°	1383.6	1462.9	1742.4	2497.6	2719.6	2386.6	4303.4	16383.0	26777.7	31574.7
75°	1001.0	1060.5	1266.6	1910.9	2176.5	1817.7	2146.7	9574.1	18678.4	22210.7
77.5°	765.1	810.7	945.5	1399.4	1742.4	1363.8	1332.0	4404.5	8856.5	8900.1
80°	614.5	644.2	717.6	985.2	1336.0	1020.8	868.2	1778.0	2798.9	2368.7
82.5°	451.9	501.5	606.6	691.8	955.4	703.7	529.3	897.9	1064.4	915.8
85°	257.7	291.4	366.7	495.6	610.5	430.1	303.3	398.4	495.6	406.4
87.5°	91.2	118.9	128.8	194.3	265.6	178.4	117.0	115.0	162.5	120.9
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°
5476.9	0°	5476.9	5476.9	5476.9	5476.9	5476.9	5476.9	5476.9	5476.9	5476.9	5476.9
5536.3	2.5°	5516.5	5506.6	5466.9	5413.4	5357.9	5304.4	5286.6	5248.9	5223.1	5209.3
5665.2	5°	5627.5	5595.8	5502.6	5383.7	5258.8	5124.0	5028.9	4941.7	4878.2	4818.8
5841.6	7.5°	5786.1	5730.6	5570.0	5361.9	5139.9	4915.9	4749.4	4622.5	4537.3	4481.8
6047.7	10°	5970.4	5885.2	5639.4	5328.2	4985.3	4664.1	4467.9	4358.9	4305.4	4275.6
6283.6	12.5°	6182.5	6061.6	5710.8	5250.9	4749.4	4382.7	4247.9	4216.2	4218.2	4220.1
6580.9	15°	6444.2	6275.7	5768.2	5082.4	4442.1	4166.6	4142.8	4194.4	4247.9	4273.7
6917.9	17.5°	6739.5	6501.7	5778.2	4804.9	4140.8	4027.9	4103.2	4214.2	4295.5	4331.1
7294.5	20°	7056.7	6731.6	5706.8	4412.4	3893.1	3914.9	4049.7	4192.4	4281.6	4327.2
7724.7	22.5°	7419.4	6977.4	5536.3	4000.1	3690.9	3792.0	3950.6	4089.3	4182.5	4228.1
8230.2	25°	7833.7	7252.9	5268.7	3653.2	3516.4	3653.2	3811.8	3926.8	4002.1	4043.7
8795.1	27.5°	8293.6	7540.3	4911.9	3377.7	3363.8	3510.5	3641.3	3730.5	3770.2	3801.9
9395.7	30°	8755.4	7802.0	4479.8	3169.6	3231.0	3369.8	3462.9	3502.6	3514.5	3520.4
10065.7	32.5°	9255.0	8028.0	4025.9	2997.1	3104.1	3233.0	3288.5	3306.3	3250.8	3213.2
10878.4	35°	9859.5	8269.8	3581.9	2860.3	2979.3	3090.3	3108.1	3092.3	3026.8	2949.5
11897.2	37.5°	10606.8	8571.1	3227.0	2763.2	2862.3	2935.7	2913.9	2909.9	2915.8	2824.7
13122.3	40°	11522.6	8963.6	2967.4	2687.9	2767.2	2783.0	2721.6	2755.3	2785.0	2646.3
14466.2	42.5°	12539.5	9437.3	2802.9	2636.3	2687.9	2650.2	2555.1	2592.7	2588.8	2406.4
15816.1	45°	13576.2	9952.7	2745.4	2598.7	2614.5	2539.2	2434.2	2444.1	2360.8	2196.3
17110.5	47.5°	14606.9	10505.7	2781.0	2567.0	2523.4	2438.1	2356.9	2313.2	2190.3	2067.4
18351.3	50°	15617.9	11086.5	2911.9	2503.5	2398.5	2348.9	2289.5	2212.2	2081.3	1976.3
19524.8	52.5°	16555.4	11671.3	3058.6	2398.5	2241.9	2271.6	2234.0	2144.8	2015.9	1908.9
20634.8	55°	17443.5	12256.0	3116.0	2253.8	2095.2	2204.2	2182.4	2017.9	1863.3	1776.1
21796.4	57.5°	18410.8	12959.7	3052.6	2069.4	1976.3	2126.9	2043.7	1861.3	1772.1	1706.7
23308.9	60°	19750.8	14063.8	2915.8	1841.5	1863.3	2011.9	1869.2	1793.9	1696.8	1623.4
25576.5	62.5°	21976.8	16123.3	2695.8	1615.5	1730.5	1841.5	1786.0	1710.7	1611.5	1540.2
29453.7	65°	25267.3	18985.6	2281.5	1439.1	1581.8	1675.0	1696.8	1621.5	1518.4	1443.1
32851.2	67.5°	28042.4	20781.5	1726.5	1292.4	1429.2	1540.2	1601.6	1528.3	1419.3	1345.9
33646.1	70°	27889.7	19477.2	1318.2	1147.7	1294.4	1407.4	1486.7	1429.2	1312.2	1242.8
30561.8	72.5°	24771.7	16293.8	1066.4	1001.0	1157.6	1268.6	1363.8	1320.2	1201.2	1133.8
22389.1	75°	18198.7	11566.2	852.4	852.4	987.1	1123.9	1229.0	1201.2	1092.2	1044.6
9399.7	77.5°	7671.2	4852.5	668.0	707.7	820.6	965.3	1096.2	1106.1	1010.9	1070.4
2485.7	80°	2039.7	1338.0	509.4	557.0	644.2	796.8	953.4	949.5	846.4	790.9
923.7	82.5°	777.0	527.3	362.7	392.5	465.8	610.5	755.2	779.0	675.9	584.8
362.7	85°	299.3	226.0	224.0	235.9	271.6	404.4	570.9	590.7	509.4	432.1
101.1	87.5°	77.3	67.4	83.3	79.3	124.9	216.1	327.1	339.0	311.2	180.4
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°
5476.9
5225.1
4842.5
4493.7
4283.6
4224.1
4271.7
4339.1
4339.1
4240.0
4055.6
3813.8
3534.3
3225.1
2953.5
2830.6
2650.2
2404.4
2202.2
2067.4
1968.3
1910.9
1768.1
1700.7
1619.5
1540.2
1447.0
1347.9
1248.8
1133.8
1030.8
971.3
735.4
584.8
446.0
257.7
0.0

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