

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: P851055

Luminaire Tested: **GLAN-SB8D-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49750 lumens
Efficiency: N/A
Efficacy: 85.1 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

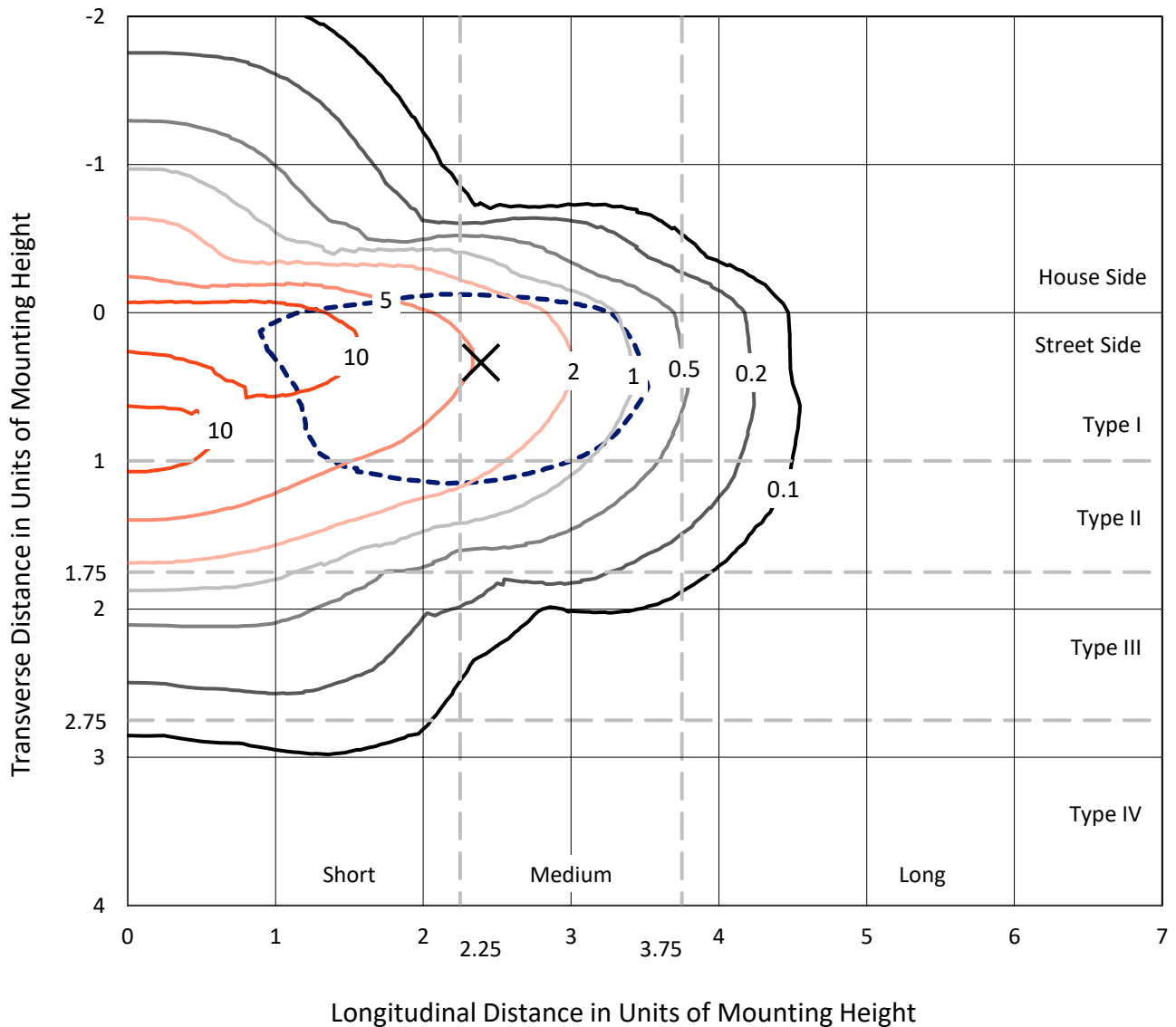
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

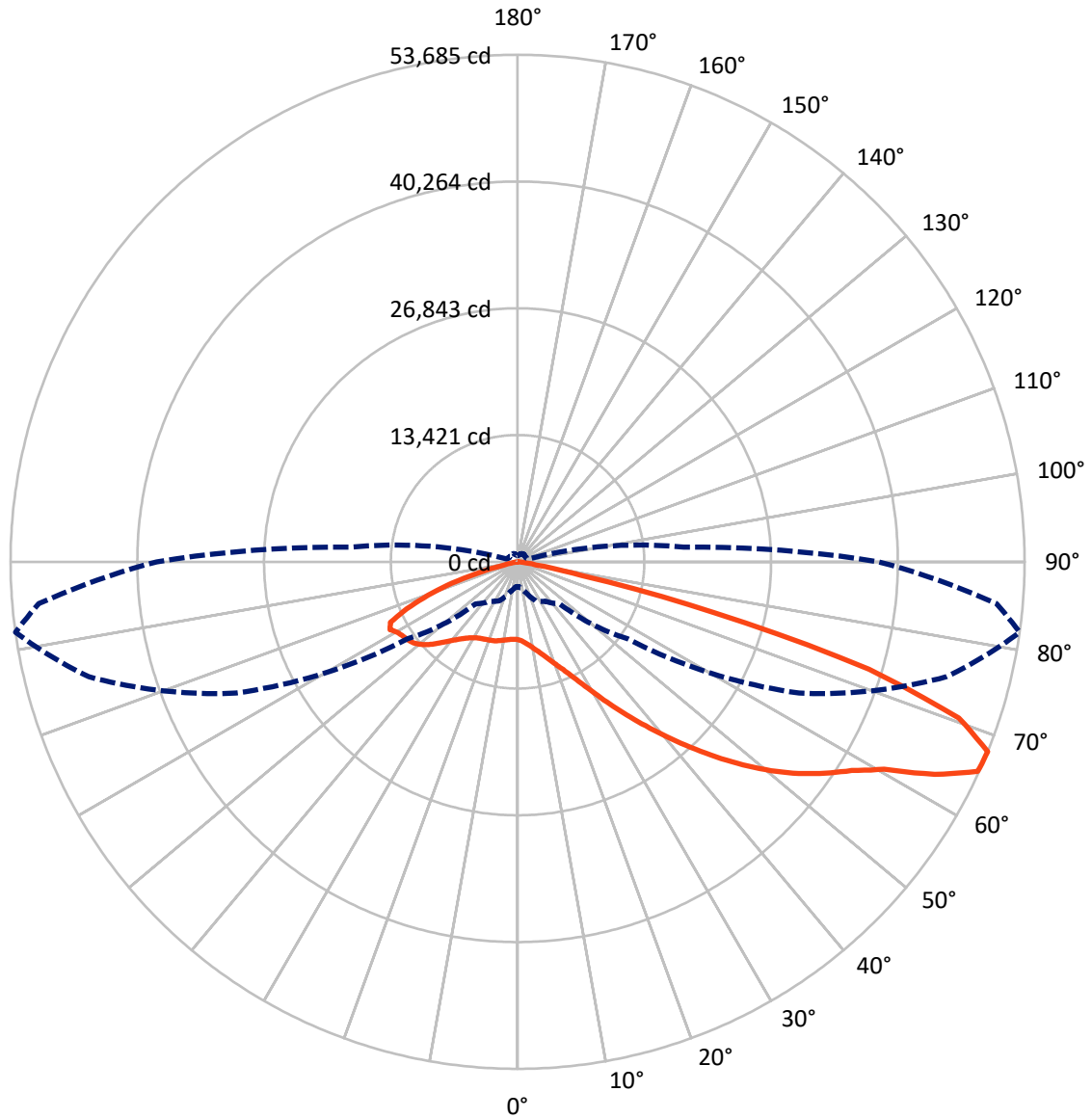
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9011.8	0.0	9011.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	40738.2	0.0	40738.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	49750.0	0.0	49750.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.3	1.5
10°-20°	1908.1	3.8
20°-30°	3056.2	6.1
30°-40°	5404.3	10.9
40°-50°	9468.9	19.0
50°-60°	12628.8	25.4
60°-70°	11756.8	23.6
70°-80°	4512.3	9.1
80°-90°	280.3	0.6
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°	49750.0	100.0
0°-180°	49750.0	100.0

Coefficient of Utilization

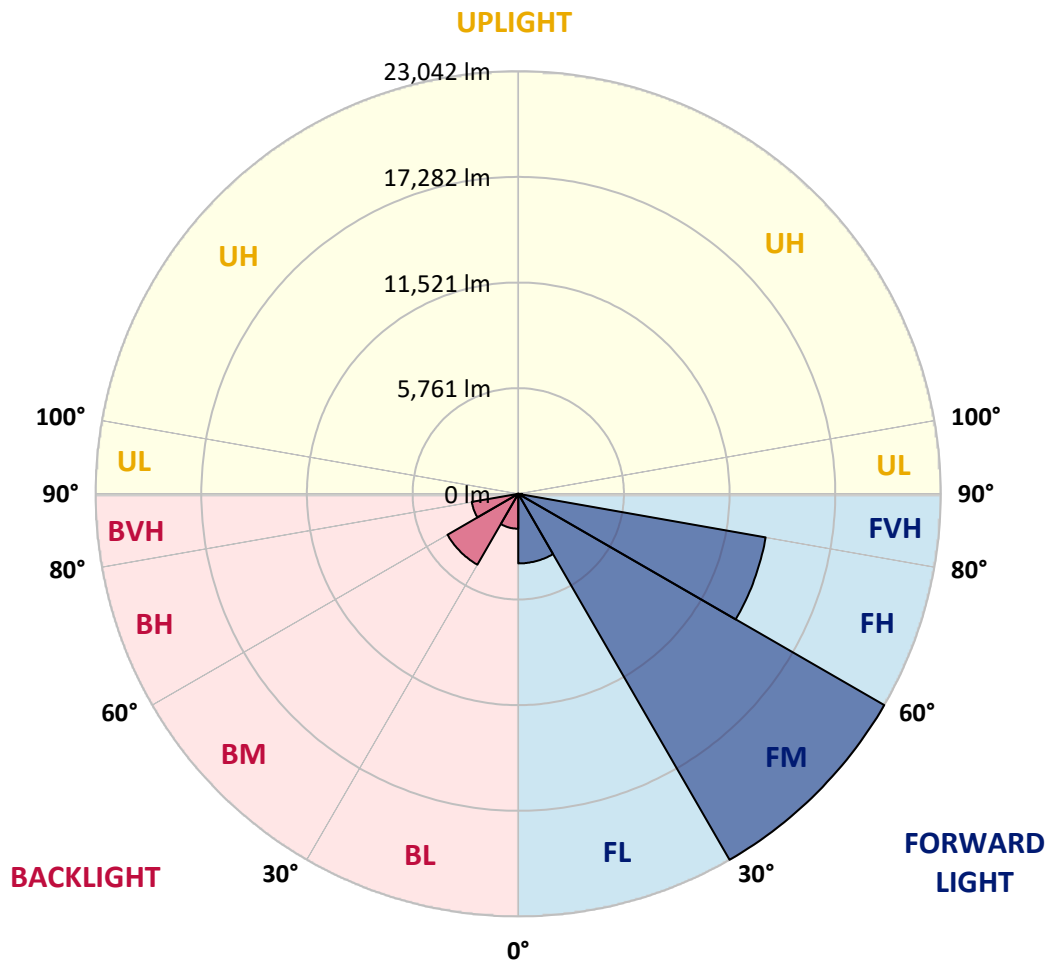


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3795.4	7.6			
FM (30°-60°)	23042.2	46.3			
FH (60°-80°)	13696.9	27.5			G5
FVH (80°-90°)	203.8	0.4			G2/225
BL (0°-30°)	1903.3	3.8	B3/2500		
BM (30°-60°)	4459.9	9.0	B3/5000		
BH (60°-80°)	2572.1	5.2	B4/5000		G4/5000
BVH (80°-90°)	76.5	0.2			G1/100
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°	8241.9	8241.9	8241.9	8241.9	8241.9	8241.9	8241.9	8241.9	8241.9	8241.9
2.5°	8711.1	8761.3	8732.6	8718.3	8693.2	8657.4	8628.7	8539.2	8446.1	8385.2
5°	8886.6	8936.8	8933.2	8947.5	8965.4	8976.2	8969.0	8868.7	8736.2	8632.3
7.5°	8736.2	8793.5	8840.1	8911.7	9037.1	9169.6	9234.1	9212.6	9076.5	8933.2
10°	8309.9	8370.8	8481.9	8650.2	8915.3	9201.8	9441.8	9552.9	9466.9	9309.3
12.5°	7529.1	7590.0	7808.5	8173.8	8618.0	9115.9	9574.3	9871.6	9893.1	9735.5
15°	6651.5	6712.4	6945.3	7403.7	8080.7	8879.5	9646.0	10208.3	10398.2	10262.1
17.5°	6107.1	6160.8	6336.3	6705.3	7410.9	8406.7	9620.9	10566.5	10999.9	10892.5
20°	5942.3	5988.9	6071.3	6329.2	6916.6	7915.9	9456.1	10903.2	11648.3	11587.4
22.5°	6117.8	6160.8	6185.9	6300.5	6669.4	7593.6	9248.4	11247.1	12400.4	12407.6
25°	6522.6	6565.6	6536.9	6608.6	6769.7	7493.3	9169.6	11651.8	13346.1	13424.9
27.5°	7188.8	7192.4	7124.3	7120.8	7145.8	7643.7	9252.0	12085.2	14538.8	14685.7
30°	8524.9	8471.1	8209.7	7926.7	7797.7	8095.0	9481.2	12597.4	15946.5	16208.0
32.5°	10584.4	10505.6	10025.7	9348.7	8668.1	8822.2	9893.1	13181.3	17479.5	17952.4
35°	12819.5	12798.0	12296.6	11290.1	10100.9	9857.3	10562.9	13947.8	19152.3	19904.5
37.5°	14897.0	14886.3	14599.7	13414.1	11967.0	11300.8	11637.5	14950.7	20943.2	22032.1
40°	16795.4	16827.6	16541.1	15480.9	14023.0	13152.6	13098.9	16190.1	22934.7	24349.6
42.5°	18435.9	18471.7	18181.6	17397.2	16054.0	15201.5	14893.4	17708.8	24879.7	26839.0
45°	19549.9	19771.9	19729.0	19102.1	18138.6	17253.9	17049.7	19614.3	27096.9	29478.8
47.5°	19865.1	20069.2	20391.6	20477.6	19890.1	19019.7	19263.3	21910.3	29339.1	32122.2
50°	19087.8	19277.6	19947.5	20839.3	21247.7	20979.0	21416.0	24371.1	31635.1	34758.5
52.5°	17554.8	17748.2	18593.5	20004.8	21670.3	22515.7	23575.9	26796.0	33859.5	37255.1
55°	15337.6	15541.8	16627.1	18224.6	20864.4	23149.6	25377.6	29217.3	35897.5	39500.9
57.5°	12321.6	12472.1	13600.4	15835.5	18837.1	22519.2	26706.5	31860.8	37817.4	41707.3
60°	8030.6	8163.1	9474.1	11967.0	15477.3	20413.1	26971.5	34808.6	40367.7	44576.4
62.5°	5340.6	5430.1	6207.4	8037.7	10899.6	16369.2	25420.6	37161.9	44107.2	49569.6
65°	3664.3	3753.8	4531.1	5806.2	7042.0	10828.0	20961.1	36850.3	47495.6	53534.7
67.5°	2614.8	2690.0	3349.1	4552.6	5097.0	6289.8	14209.3	32867.3	47008.5	53685.1
70°	1873.3	1916.3	2460.7	3546.1	4051.1	3778.9	7901.6	25137.6	41159.3	49573.1
72.5°	1311.0	1325.3	1708.6	2700.7	3263.1	2758.0	3761.0	16759.6	31130.1	38909.9
75°	888.3	906.2	1149.8	1980.8	2618.3	2106.1	1991.5	8986.9	18274.7	21537.8
77.5°	544.4	551.6	741.4	1353.9	1959.3	1604.7	1282.3	3807.5	7070.6	6941.7
80°	308.0	308.0	472.8	841.7	1336.0	1035.2	899.1	1619.0	2238.7	1966.4
82.5°	171.9	175.5	343.9	523.0	884.7	612.5	494.3	748.6	967.1	856.1
85°	71.6	78.8	211.3	247.1	422.7	304.5	200.6	315.2	358.2	318.8
87.5°	7.2	10.7	64.5	46.6	50.1	60.9	28.7	60.9	50.1	50.1
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°
8241.9	0°	8241.9	8241.9	8241.9	8241.9	8241.9	8241.9	8241.9	8241.9	8241.9	8241.9
8363.7	2.5°	8295.6	8241.9	8105.8	7948.2	7740.4	7640.1	7504.0	7410.9	7332.1	7339.3
8571.4	5°	8456.8	8320.7	8016.2	7636.6	7163.7	6827.1	6468.9	6221.7	6021.1	5978.1
8858.0	7.5°	8678.9	8464.0	7930.3	7246.1	6447.4	5842.0	5301.2	4953.7	4706.6	4627.8
9205.4	10°	8965.4	8653.8	7819.2	6755.4	5605.6	4835.5	4255.3	3983.0	3814.7	3757.4
9613.7	12.5°	9298.5	8872.3	7672.4	6157.2	4738.8	3997.4	3628.4	3492.3	3438.6	3420.7
10115.2	15°	9717.6	9144.5	7450.3	5448.0	4004.5	3485.2	3327.6	3309.7	3316.8	3309.7
10717.0	17.5°	10215.5	9441.8	7088.5	4717.3	3510.2	3223.7	3166.4	3180.7	3198.6	3195.0
11390.4	20°	10759.9	9735.5	6626.5	4069.0	3173.5	3037.4	3005.2	3019.5	3033.8	3026.7
12167.6	22.5°	11379.6	10050.7	6114.3	3564.0	2947.9	2865.5	2829.7	2833.3	2833.3	2818.9
13152.6	25°	12121.1	10398.2	5577.0	3205.8	2776.0	2711.5	2668.5	2654.2	2632.7	2589.7
14349.0	27.5°	13005.8	10767.1	5061.2	2955.0	2639.8	2578.9	2528.8	2493.0	2439.3	2367.6
15785.3	30°	14001.5	11214.8	4624.2	2797.4	2532.4	2471.5	2414.2	2360.5	2281.7	2192.1
17436.6	32.5°	15172.8	11694.8	4305.4	2693.6	2435.7	2371.2	2303.1	2238.7	2152.7	2063.2
19292.0	35°	16569.7	12275.1	4119.2	2621.9	2360.5	2274.5	2199.3	2127.6	2063.2	1984.4
21308.6	37.5°	18084.9	12891.2	4061.8	2586.1	2310.3	2177.8	2091.8	2041.7	2034.5	1987.9
23489.9	40°	19743.3	13621.9	4104.8	2564.6	2256.6	2084.7	1991.5	1980.8	1998.7	1916.3
25821.7	42.5°	21498.4	14488.7	4176.5	2539.5	2181.4	1991.5	1902.0	1902.0	1887.6	1773.0
28286.1	45°	23396.8	15488.0	4248.1	2478.7	2091.8	1898.4	1830.3	1805.3	1744.4	1633.3
30764.7	47.5°	25309.5	16505.3	4301.8	2367.6	1984.4	1819.6	1758.7	1701.4	1611.8	1511.6
33196.8	50°	27125.5	17418.7	4244.5	2202.9	1862.6	1744.4	1679.9	1601.1	1504.4	1436.3
35500.0	52.5°	28748.1	18210.2	4001.0	2009.4	1733.6	1665.6	1608.3	1525.9	1447.1	1375.4
37577.4	55°	30159.4	18851.4	3571.1	1826.8	1619.0	1597.5	1540.2	1436.3	1328.9	1268.0
39637.0	57.5°	31513.3	19338.5	3033.8	1676.3	1515.1	1522.3	1436.3	1343.2	1242.9	1178.4
42413.0	60°	33315.0	19990.4	2489.4	1536.6	1404.1	1425.6	1332.5	1264.4	1139.0	1056.7
47173.3	62.5°	36194.8	21004.1	1977.2	1364.7	1275.1	1282.3	1242.9	1160.5	1010.1	913.4
50701.4	65°	38480.1	20631.6	1558.1	1178.4	1128.3	1139.0	1139.0	1049.5	888.3	777.3
50891.3	67.5°	38222.2	17665.8	1242.9	995.8	988.6	995.8	1020.8	945.6	788.0	698.5
47015.7	70°	35209.8	14051.7	995.8	827.4	859.6	841.7	913.4	863.2	709.2	619.7
36449.1	72.5°	28730.2	10122.4	759.4	684.1	659.1	687.7	823.8	777.3	591.0	490.7
19306.3	75°	16788.2	5401.5	565.9	540.9	476.4	573.1	730.7	662.6	451.3	361.8
5917.3	77.5°	5465.9	1884.1	415.5	397.6	354.6	462.1	623.2	558.8	368.9	286.5
1733.6	80°	1465.0	569.5	283.0	261.5	229.2	343.9	494.3	444.2	265.1	186.3
745.0	82.5°	587.4	240.0	164.8	146.9	125.4	236.4	390.4	358.2	197.0	118.2
232.8	85°	189.8	78.8	60.9	46.6	57.3	146.9	232.8	243.6	139.7	60.9
35.8	87.5°	25.1	10.7	10.7	14.3	10.7	25.1	71.6	68.1	39.4	7.2
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°
8241.9
7267.6
5881.4
4549.0
3714.4
3409.9
3306.1
3187.9
3023.1
2811.8
2582.5
2360.5
2184.9
2066.7
1977.2
1984.4
1919.9
1773.0
1629.8
1508.0
1425.6
1368.3
1260.8
1171.3
1045.9
906.2
766.5
684.1
608.9
480.0
351.0
275.8
182.7
118.2
46.6
0.0
0.0

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