

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: P847655

Luminaire Tested: **GLAN-SB3D-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847655
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-SB3D-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 18460 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

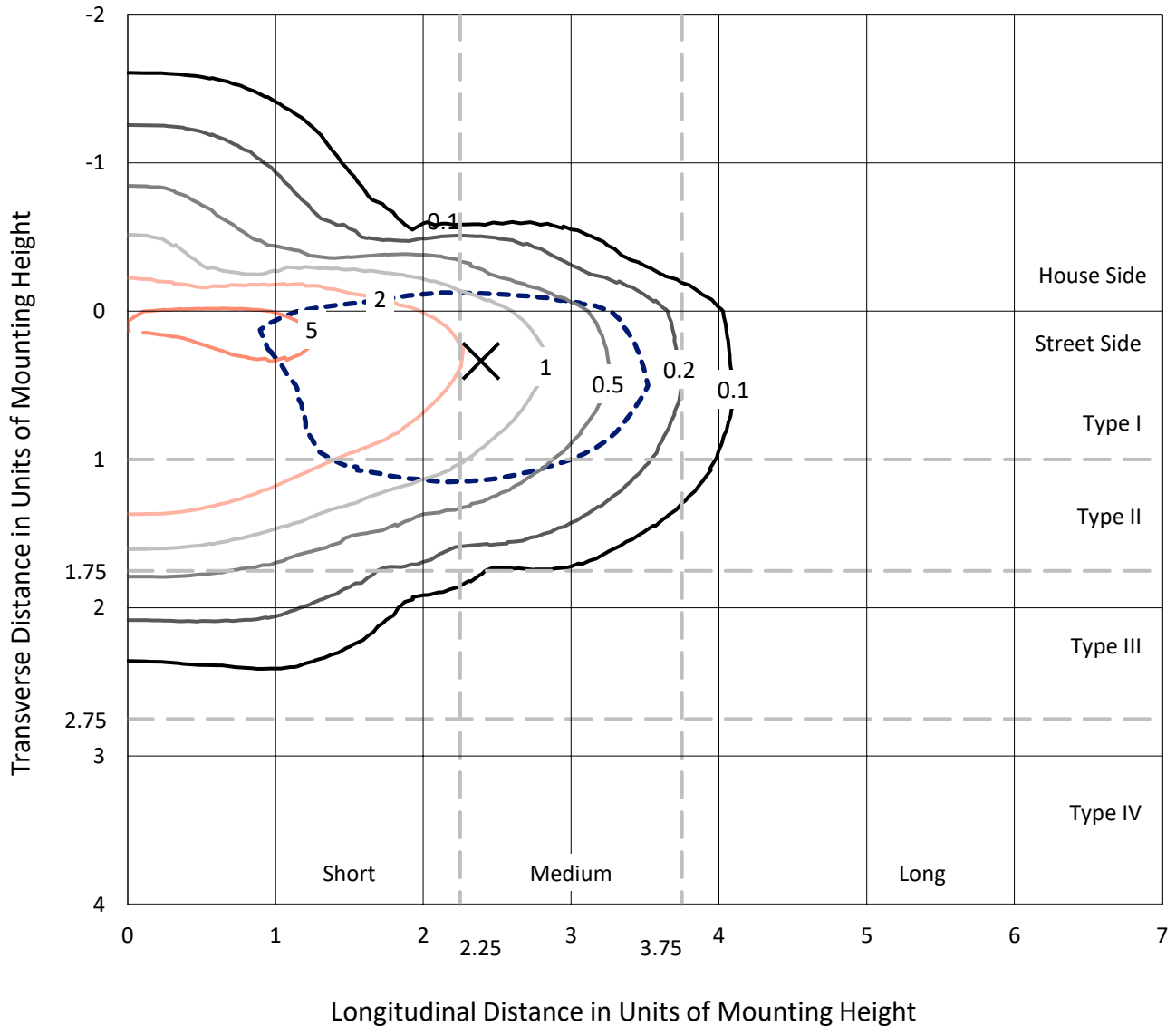
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

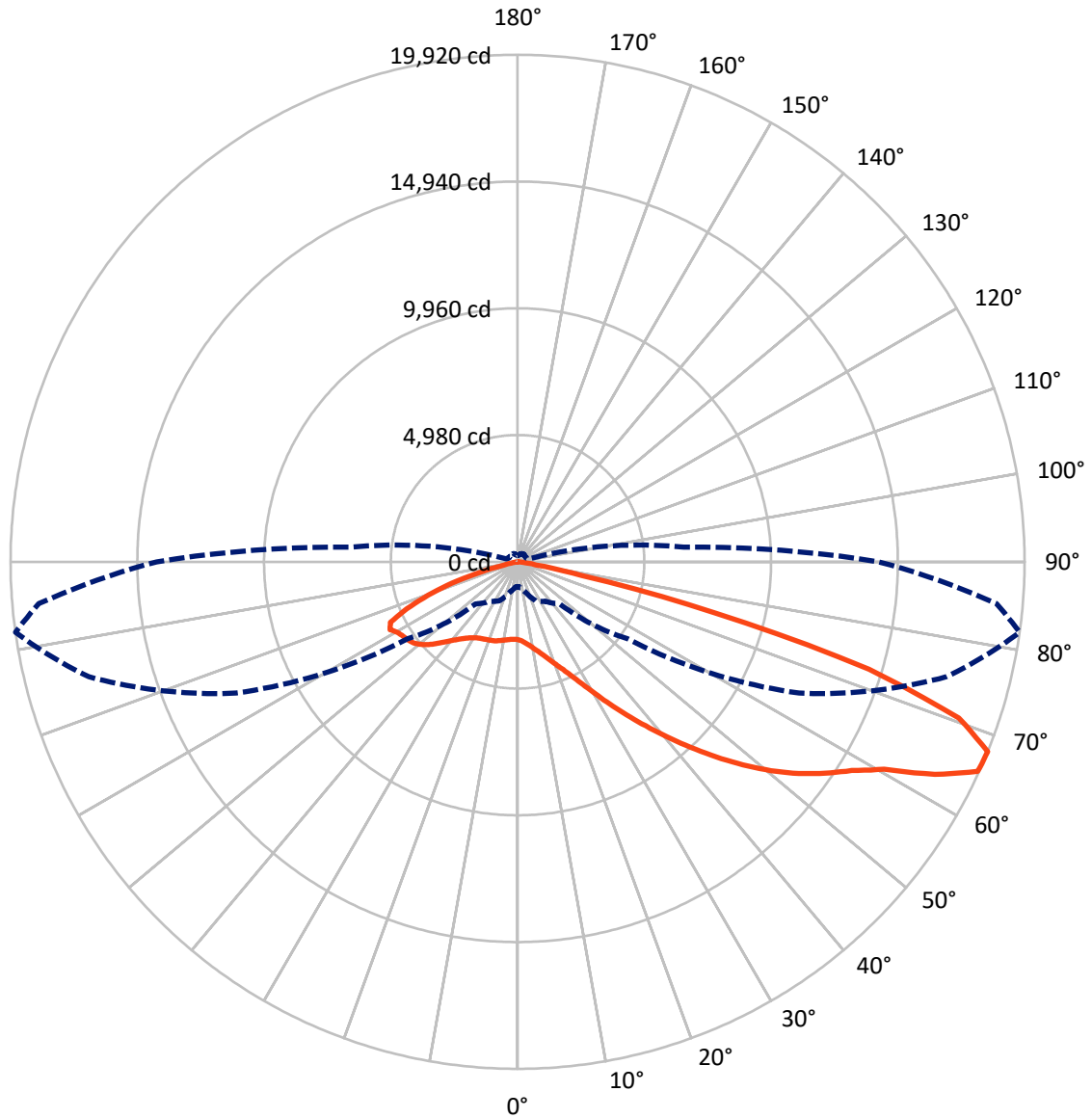
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	3343.9	0.0	3343.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	15116.1	0.0	15116.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	18460.0	0.0	18460.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.5	1.5
10°-20°	708.0	3.8
20°-30°	1134.0	6.1
30°-40°	2005.3	10.9
40°-50°	3513.5	19.0
50°-60°	4686.0	25.4
60°-70°	4362.4	23.6
70°-80°	1674.3	9.1
80°-90°	104.0	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°	18460.0	100.0
0°-180°	18460.0	100.0

Coefficient of Utilization

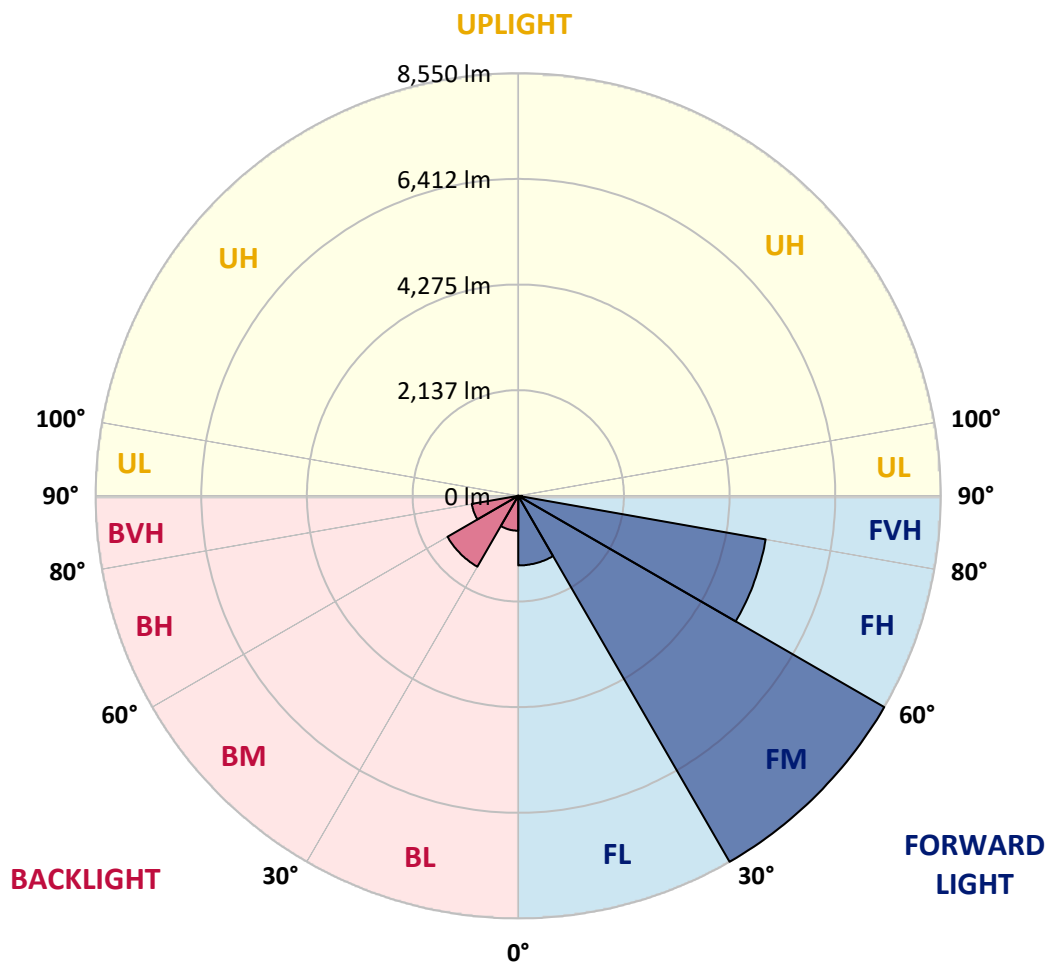


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1408.3	7.6			
FM (30°-60°)	8549.9	46.3			
FH (60°-80°)	5082.3	27.5			G3/7500
FVH (80°-90°)	75.6	0.4			G1/100
BL (0°-30°)	706.2	3.8	B2/1000		
BM (30°-60°)	1654.9	9.0	B2/2500		
BH (60°-80°)	954.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	28.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3058.2	3058.2	3058.2	3058.2	3058.2	3058.2	3058.2	3058.2	3058.2	3058.2
2.5°	3232.3	3250.9	3240.3	3235.0	3225.7	3212.4	3201.7	3168.5	3134.0	3111.4
5°	3297.4	3316.0	3314.7	3320.0	3326.7	3330.7	3328.0	3290.8	3241.6	3203.1
7.5°	3241.6	3262.9	3280.2	3306.7	3353.3	3402.4	3426.4	3418.4	3367.9	3314.7
10°	3083.4	3106.0	3147.2	3209.7	3308.1	3414.4	3503.4	3544.6	3512.7	3454.3
12.5°	2793.7	2816.3	2897.4	3032.9	3197.7	3382.5	3552.6	3662.9	3670.9	3612.4
15°	2468.1	2490.7	2577.1	2747.2	2998.4	3294.8	3579.2	3787.9	3858.3	3807.8
17.5°	2266.1	2286.0	2351.1	2488.0	2749.9	3119.3	3569.9	3920.8	4081.6	4041.7
20°	2204.9	2222.2	2252.8	2348.5	2566.4	2937.3	3508.8	4045.7	4322.1	4299.6
22.5°	2270.1	2286.0	2295.3	2337.8	2474.7	2817.6	3431.7	4173.3	4601.3	4603.9
25°	2420.2	2436.2	2425.6	2452.1	2511.9	2780.4	3402.4	4323.5	4952.1	4981.4
27.5°	2667.4	2668.8	2643.5	2642.2	2651.5	2836.2	3433.0	4484.3	5394.7	5449.2
30°	3163.2	3143.3	3046.2	2941.2	2893.4	3003.7	3518.1	4674.4	5917.0	6014.1
32.5°	3927.4	3898.2	3720.1	3468.9	3216.4	3273.5	3670.9	4891.0	6485.9	6661.3
35°	4756.8	4748.8	4562.7	4189.2	3748.0	3657.6	3919.4	5175.4	7106.6	7385.7
37.5°	5527.6	5523.6	5417.3	4977.4	4440.4	4193.2	4318.2	5547.6	7771.1	8175.1
40°	6232.0	6244.0	6137.7	5744.3	5203.3	4880.4	4860.4	6007.4	8510.1	9035.0
42.5°	6840.7	6854.0	6746.4	6455.3	5956.9	5640.6	5526.3	6570.9	9231.7	9958.7
45°	7254.1	7336.5	7320.5	7087.9	6730.4	6402.1	6326.4	7278.0	10054.4	10938.3
47.5°	7371.0	7446.8	7566.4	7598.3	7380.3	7057.4	7147.8	8129.9	10886.4	11919.1
50°	7082.6	7153.1	7401.6	7732.5	7884.1	7784.4	7946.5	9043.0	11738.4	12897.3
52.5°	6513.8	6585.6	6899.2	7422.9	8040.9	8354.6	8748.0	9942.8	12563.7	13823.7
55°	5691.1	5766.8	6169.6	6762.3	7741.9	8589.8	9416.5	10841.2	13320.0	14657.0
57.5°	4572.0	4627.8	5046.5	5875.8	6989.6	8355.9	9909.6	11822.1	14032.4	15475.7
60°	2979.8	3029.0	3515.4	4440.4	5742.9	7574.4	10007.9	12915.9	14978.7	16540.3
62.5°	1981.6	2014.9	2303.3	2982.4	4044.4	6073.9	9432.4	13789.1	16366.2	18393.0
65°	1359.6	1392.9	1681.3	2154.4	2613.0	4017.8	7777.7	13673.5	17623.5	19864.3
67.5°	970.2	998.1	1242.7	1689.3	1891.3	2333.9	5272.4	12195.6	17442.8	19920.1
70°	695.1	711.1	913.1	1315.8	1503.2	1402.2	2931.9	9327.4	15272.4	18394.4
72.5°	486.4	491.8	634.0	1002.1	1210.8	1023.4	1395.5	6218.7	11551.0	14437.7
75°	329.6	336.3	426.6	735.0	971.6	781.5	739.0	3334.6	6780.9	7991.7
77.5°	202.0	204.7	275.1	502.4	727.0	595.4	475.8	1412.8	2623.6	2575.7
80°	114.3	114.3	175.4	312.3	495.7	384.1	333.6	600.7	830.7	729.7
82.5°	63.8	65.1	127.6	194.0	328.3	227.3	183.4	277.8	358.8	317.6
85°	26.6	29.2	78.4	91.7	156.8	113.0	74.4	117.0	132.9	118.3
87.5°	2.7	4.0	23.9	17.3	18.6	22.6	10.6	22.6	18.6	18.6
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°
3058.2	0°	3058.2	3058.2	3058.2	3058.2	3058.2	3058.2	3058.2	3058.2	3058.2	3058.2
3103.4	2.5°	3078.1	3058.2	3007.7	2949.2	2872.1	2834.9	2784.4	2749.9	2720.6	2723.3
3180.5	5°	3137.9	3087.4	2974.5	2833.6	2658.1	2533.2	2400.3	2308.6	2234.2	2218.2
3286.8	7.5°	3220.3	3140.6	2942.6	2688.7	2392.3	2167.7	1967.0	1838.1	1746.4	1717.2
3415.7	10°	3326.7	3211.0	2901.4	2506.6	2080.0	1794.2	1578.9	1477.9	1415.5	1394.2
3567.2	12.5°	3450.3	3292.1	2846.9	2284.7	1758.4	1483.2	1346.4	1295.8	1275.9	1269.3
3753.3	15°	3605.8	3393.1	2764.5	2021.5	1485.9	1293.2	1234.7	1228.1	1230.7	1228.1
3976.6	17.5°	3790.5	3503.4	2630.2	1750.4	1302.5	1196.2	1174.9	1180.2	1186.9	1185.5
4226.5	20°	3992.5	3612.4	2458.8	1509.8	1177.6	1127.1	1115.1	1120.4	1125.7	1123.1
4514.9	22.5°	4222.5	3729.4	2268.7	1322.4	1093.8	1063.3	1050.0	1051.3	1051.3	1046.0
4880.4	25°	4497.6	3858.3	2069.4	1189.5	1030.0	1006.1	990.2	984.8	976.9	960.9
5324.3	27.5°	4825.9	3995.2	1878.0	1096.5	979.5	956.9	938.3	925.0	905.1	878.5
5857.2	30°	5195.3	4161.3	1715.8	1038.0	939.7	917.1	895.8	875.9	846.6	813.4
6469.9	32.5°	5630.0	4339.4	1597.5	999.5	903.8	879.8	854.6	830.7	798.8	765.5
7158.4	35°	6148.3	4554.7	1528.4	972.9	875.9	844.0	816.1	789.5	765.5	736.3
7906.7	37.5°	6710.5	4783.3	1507.2	959.6	857.3	808.1	776.2	757.6	754.9	737.6
8716.1	40°	7325.9	5054.5	1523.1	951.6	837.3	773.5	739.0	735.0	741.6	711.1
9581.3	42.5°	7977.1	5376.1	1549.7	942.3	809.4	739.0	705.7	705.7	700.4	657.9
10495.7	45°	8681.5	5746.9	1576.3	919.7	776.2	704.4	679.2	669.9	647.3	606.1
11415.4	47.5°	9391.2	6124.4	1596.2	878.5	736.3	675.2	652.6	631.3	598.1	560.9
12317.8	50°	10065.1	6463.3	1575.0	817.4	691.1	647.3	623.3	594.1	558.2	533.0
13172.4	52.5°	10667.1	6757.0	1484.6	745.6	643.3	618.0	596.8	566.2	536.9	510.4
13943.3	55°	11190.8	6994.9	1325.1	677.8	600.7	592.8	571.5	533.0	493.1	470.5
14707.5	57.5°	11693.2	7175.7	1125.7	622.0	562.2	564.9	533.0	498.4	461.2	437.3
15737.6	60°	12361.7	7417.6	923.7	570.2	521.0	529.0	494.4	469.2	422.6	392.1
17503.9	62.5°	13430.3	7793.7	733.6	506.4	473.2	475.8	461.2	430.6	374.8	338.9
18813.0	65°	14278.2	7655.5	578.1	437.3	418.7	422.6	422.6	389.4	329.6	288.4
18883.5	67.5°	14182.5	6555.0	461.2	369.5	366.8	369.5	378.8	350.9	292.4	259.2
17445.4	70°	13064.8	5214.0	369.5	307.0	319.0	312.3	338.9	320.3	263.2	229.9
13524.6	72.5°	10660.5	3756.0	281.8	253.9	244.5	255.2	305.7	288.4	219.3	182.1
7163.7	75°	6229.4	2004.2	210.0	200.7	176.8	212.7	271.1	245.9	167.5	134.2
2195.6	77.5°	2028.2	699.1	154.2	147.5	131.6	171.5	231.3	207.3	136.9	106.3
643.3	80°	543.6	211.3	105.0	97.0	85.1	127.6	183.4	164.8	98.4	69.1
276.4	82.5°	218.0	89.0	61.1	54.5	46.5	87.7	144.9	132.9	73.1	43.9
86.4	85°	70.4	29.2	22.6	17.3	21.3	54.5	86.4	90.4	51.8	22.6
13.3	87.5°	9.3	4.0	4.0	5.3	4.0	9.3	26.6	25.3	14.6	2.7
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°
3058.2
2696.7
2182.3
1687.9
1378.2
1265.3
1226.7
1182.9
1121.7
1043.3
958.3
875.9
810.7
766.9
733.6
736.3
712.4
657.9
604.7
559.5
529.0
507.7
467.8
434.6
388.1
336.3
284.4
253.9
225.9
178.1
130.2
102.3
67.8
43.9
17.3
0.0
0.0

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