

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: P847596

Luminaire Tested: **GLAN-SB3D-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847596
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-SB3D-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29687 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

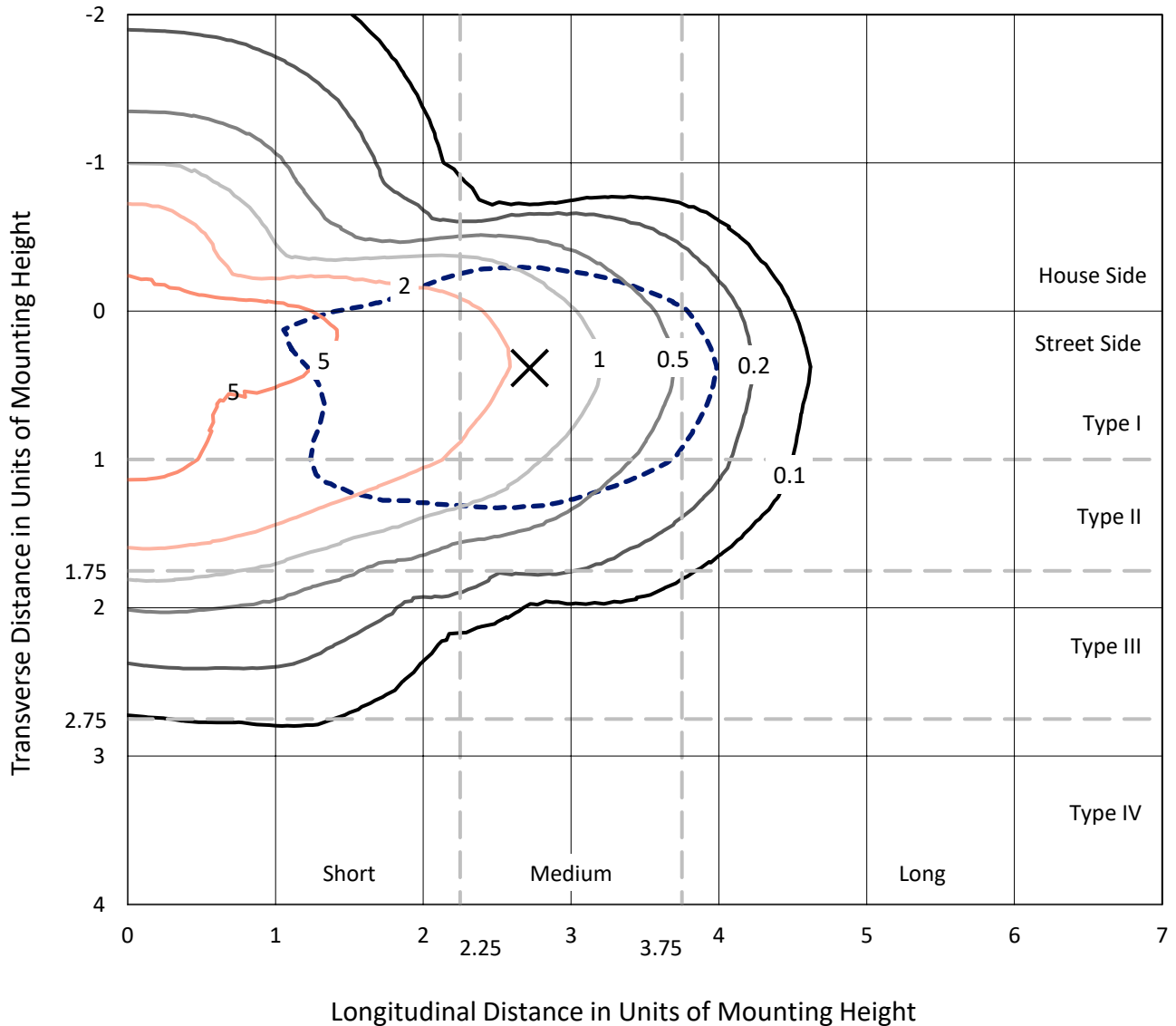
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

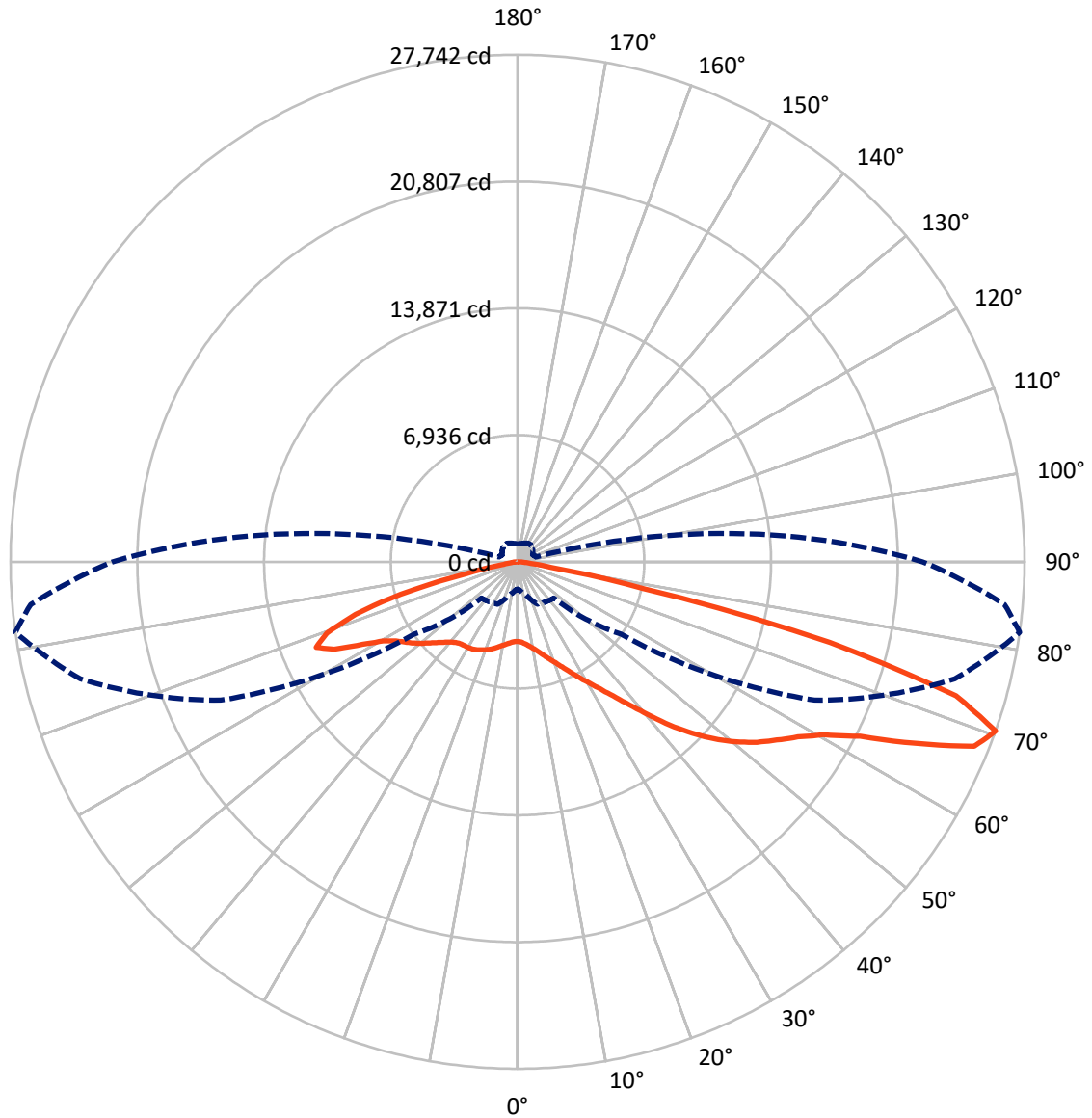
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	7318.6	0.0	7318.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	22368.4	0.0	22368.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	29687.0	0.0	29687.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.0	1.4
10°-20°	1180.7	4.0
20°-30°	1975.2	6.7
30°-40°	3085.7	10.4
40°-50°	4914.4	16.6
50°-60°	6839.0	23.0
60°-70°	7153.9	24.1
70°-80°	3739.0	12.6
80°-90°	388.3	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°	29687.0	100.0
0°-180°	29687.0	100.0

Coefficient of Utilization

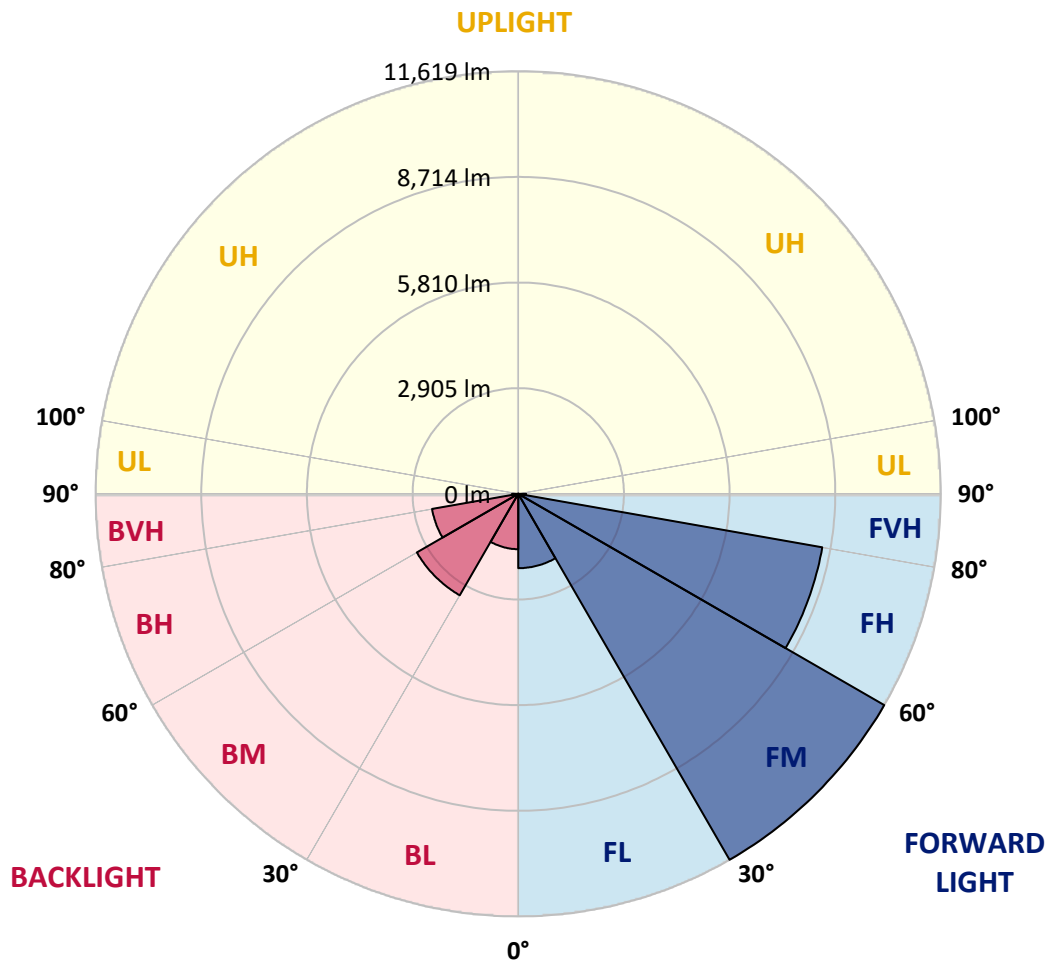


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2044.3	6.9			
FM (30°-60°)	11619.2	39.1			
FH (60°-80°)	8487.6	28.6			G4/12000
FVH (80°-90°)	217.3	0.7			G2/225
BL (0°-30°)	1522.5	5.1	B3/2500		
BM (30°-60°)	3219.9	10.8	B3/5000		
BH (60°-80°)	2405.3	8.1	B3/2500		G3/2500
BVH (80°-90°)	170.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4352.5	4352.5	4352.5	4352.5	4352.5	4352.5	4352.5	4352.5	4352.5	4352.5
2.5°	4456.5	4481.7	4473.8	4465.9	4465.9	4454.9	4453.3	4437.6	4424.9	4404.5
5°	4513.2	4539.9	4536.8	4543.1	4563.6	4568.3	4573.0	4563.6	4538.4	4513.2
7.5°	4462.8	4492.7	4502.1	4539.9	4603.0	4659.7	4702.2	4719.5	4695.9	4659.7
10°	4292.6	4325.7	4358.8	4448.6	4560.4	4694.3	4807.7	4875.5	4870.8	4836.1
12.5°	3947.6	3982.3	4053.2	4228.0	4432.8	4669.1	4880.2	5022.0	5070.8	5045.6
15°	3672.0	3701.9	3755.5	3935.0	4201.3	4560.4	4907.0	5182.7	5307.1	5292.9
17.5°	3664.1	3676.7	3709.8	3794.8	3999.6	4390.3	4878.6	5340.2	5578.0	5576.5
20°	3802.7	3807.4	3826.3	3843.7	3960.2	4261.1	4806.2	5470.9	5882.1	5882.1
22.5°	3994.9	3991.7	4010.7	3994.9	4051.6	4250.1	4760.5	5585.9	6220.8	6246.0
25°	4283.2	4267.4	4262.7	4226.5	4237.5	4352.5	4810.9	5716.7	6622.5	6674.4
27.5°	4667.5	4642.3	4625.0	4541.5	4513.2	4563.6	4965.3	5874.2	7069.8	7159.6
30°	5168.5	5122.8	5097.6	4952.7	4850.3	4858.1	5198.4	6083.7	7537.7	7682.6
32.5°	5852.1	5781.3	5713.5	5475.7	5288.2	5226.8	5499.3	6373.6	8044.9	8276.5
35°	6617.7	6561.0	6488.6	6121.5	5833.2	5691.5	5905.7	6778.4	8638.8	9005.8
37.5°	7355.0	7306.1	7340.8	6846.1	6474.4	6268.0	6438.1	7321.9	9371.3	9913.2
40°	8117.4	8079.6	8084.3	7611.7	7178.5	6947.0	7084.0	8004.0	10210.9	10992.3
42.5°	8946.0	8917.6	8823.1	8404.1	7917.3	7701.5	7827.5	8791.6	11112.0	12221.0
45°	9873.8	9856.5	9768.3	9287.8	8730.2	8487.6	8657.7	9661.2	12017.8	13377.2
47.5°	10675.6	10689.8	10678.8	10273.9	9695.8	9339.8	9543.0	10568.5	12860.5	14464.2
50°	11061.6	11135.6	11244.3	11118.3	10759.1	10396.8	10436.2	11444.4	13663.9	15483.4
52.5°	10859.9	11000.1	11296.3	11497.9	11636.6	11560.9	11455.4	12313.9	14420.1	16403.3
55°	10108.5	10305.5	10796.9	11283.7	11991.0	12540.8	12679.4	13278.0	15157.3	17213.0
57.5°	8739.6	9059.4	9500.5	10485.0	11675.9	13014.9	14106.6	14615.4	15938.6	18077.9
60°	6392.5	6820.9	7369.1	8834.1	10573.2	12761.3	15321.1	16669.6	17049.2	19197.9
62.5°	4091.0	4355.6	4859.7	6239.7	8238.7	11461.7	15692.9	19237.3	18931.7	21034.6
65°	2800.8	2971.0	3432.5	4207.6	5326.0	8531.7	14697.3	21162.2	21921.5	23945.8
67.5°	2035.3	2164.4	2558.2	3237.2	3470.3	5048.8	11405.0	21074.0	24827.9	26945.1
70°	1483.9	1575.3	1906.1	2558.2	2670.1	2808.7	6909.2	17914.0	24764.9	27742.2
72.5°	1099.5	1162.6	1384.7	1984.8	2161.3	1896.6	3419.9	13019.6	21280.4	25092.6
75°	795.5	842.8	1006.6	1518.6	1729.7	1444.5	1706.0	7608.6	14843.8	17651.0
77.5°	608.1	644.3	751.4	1112.1	1384.7	1083.8	1058.6	3500.3	7038.3	7073.0
80°	488.3	512.0	570.2	782.9	1061.7	811.3	690.0	1413.0	2224.3	1882.5
82.5°	359.2	398.5	482.0	549.8	759.3	559.2	420.6	713.6	845.9	727.8
85°	204.8	231.6	291.4	393.8	485.2	341.8	241.0	316.6	393.8	322.9
87.5°	72.5	94.5	102.4	154.4	211.1	141.8	92.9	91.4	129.2	96.1
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°
4352.5	0°	4352.5	4352.5	4352.5	4352.5	4352.5	4352.5	4352.5	4352.5	4352.5	4352.5
4399.7	2.5°	4384.0	4376.1	4344.6	4302.1	4258.0	4215.4	4201.3	4171.3	4150.9	4139.8
4502.1	5°	4472.2	4447.0	4373.0	4278.4	4179.2	4072.1	3996.5	3927.2	3876.8	3829.5
4642.3	7.5°	4598.2	4554.1	4426.5	4261.1	4084.7	3906.7	3774.4	3673.5	3605.8	3561.7
4806.2	10°	4744.7	4677.0	4481.7	4234.3	3961.8	3706.6	3550.7	3464.0	3421.5	3397.9
4993.6	12.5°	4913.3	4817.2	4538.4	4172.9	3774.4	3482.9	3375.8	3350.6	3352.2	3353.8
5229.9	15°	5121.2	4987.3	4584.1	4039.0	3530.2	3311.2	3292.3	3333.3	3375.8	3396.3
5497.7	17.5°	5355.9	5166.9	4591.9	3818.5	3290.7	3201.0	3260.8	3349.0	3413.6	3442.0
5797.0	20°	5608.0	5349.6	4535.2	3506.6	3093.8	3111.2	3218.3	3331.7	3402.6	3438.8
6138.8	22.5°	5896.3	5545.0	4399.7	3178.9	2933.2	3013.5	3139.5	3249.8	3323.8	3360.1
6540.5	25°	6225.5	5763.9	4187.1	2903.2	2794.5	2903.2	3029.3	3120.6	3180.5	3213.6
6989.5	27.5°	6591.0	5992.3	3903.5	2684.3	2673.2	2789.8	2893.8	2964.7	2996.2	3021.4
7466.8	30°	6958.0	6200.3	3560.1	2518.9	2567.7	2678.0	2752.0	2783.5	2793.0	2797.7
7999.2	32.5°	7355.0	6379.9	3199.4	2381.8	2466.9	2569.3	2613.4	2627.6	2583.5	2553.5
8645.1	35°	7835.4	6572.0	2846.5	2273.1	2367.6	2455.9	2470.0	2457.4	2405.4	2344.0
9454.8	37.5°	8429.3	6811.5	2564.5	2195.9	2274.7	2333.0	2315.7	2312.5	2317.2	2244.8
10428.3	40°	9157.1	7123.4	2358.2	2136.1	2199.1	2211.7	2162.9	2189.6	2213.3	2103.0
11496.4	42.5°	9965.2	7499.9	2227.4	2095.1	2136.1	2106.1	2030.5	2060.5	2057.3	1912.4
12569.1	45°	10789.1	7909.5	2181.8	2065.2	2077.8	2017.9	1934.4	1942.3	1876.2	1745.4
13597.8	47.5°	11608.2	8349.0	2210.1	2040.0	2005.3	1937.6	1873.0	1838.3	1740.7	1643.0
14583.9	50°	12411.6	8810.5	2314.1	1989.6	1906.1	1866.7	1819.4	1758.0	1654.0	1570.5
15516.5	52.5°	13156.7	9275.2	2430.6	1906.1	1781.6	1805.3	1775.3	1704.4	1602.1	1517.0
16398.6	55°	13862.4	9739.9	2476.3	1791.1	1665.1	1751.7	1734.4	1603.6	1480.8	1411.4
17321.7	57.5°	14631.2	10299.1	2425.9	1644.6	1570.5	1690.3	1624.1	1479.2	1408.3	1356.3
18523.7	60°	15696.0	11176.6	2317.2	1463.4	1480.8	1598.9	1485.5	1425.6	1348.4	1290.2
20325.8	62.5°	17465.1	12813.3	2142.4	1283.8	1375.2	1463.4	1419.3	1359.5	1280.7	1224.0
23407.0	65°	20080.0	15088.0	1813.1	1143.6	1257.1	1331.1	1348.4	1288.6	1206.7	1146.8
26107.0	67.5°	22285.4	16515.2	1372.1	1027.1	1135.8	1224.0	1272.8	1214.5	1127.9	1069.6
26738.7	70°	22164.1	15478.7	1047.6	912.1	1028.7	1118.4	1181.5	1135.8	1042.8	987.7
24287.6	72.5°	19686.2	12948.8	847.5	795.5	920.0	1008.2	1083.8	1049.1	954.6	901.1
17792.7	75°	14462.6	9191.7	677.4	677.4	784.5	893.2	976.7	954.6	868.0	830.2
7470.0	77.5°	6096.3	3856.3	530.9	562.4	652.2	767.2	871.1	879.0	803.4	850.6
1975.4	80°	1621.0	1063.3	404.8	442.7	512.0	633.3	757.7	754.6	672.6	628.5
734.1	82.5°	617.5	419.0	288.3	311.9	370.2	485.2	600.2	619.1	537.2	464.7
288.3	85°	237.9	179.6	178.0	187.5	215.8	321.4	453.7	469.4	404.8	343.4
80.3	87.5°	61.4	53.6	66.2	63.0	99.2	171.7	259.9	269.4	247.3	143.4
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°
4352.5
4152.4
3848.4
3571.1
3404.2
3356.9
3394.7
3448.3
3448.3
3369.5
3223.0
3030.8
2808.7
2563.0
2347.2
2249.5
2106.1
1910.8
1750.1
1643.0
1564.2
1518.6
1405.1
1351.6
1287.0
1224.0
1150.0
1071.2
992.4
901.1
819.1
771.9
584.4
464.7
354.4
204.8
0.0

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