

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: P847586

Luminaire Tested: **GLAN-SB3D-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847586
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-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29223 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

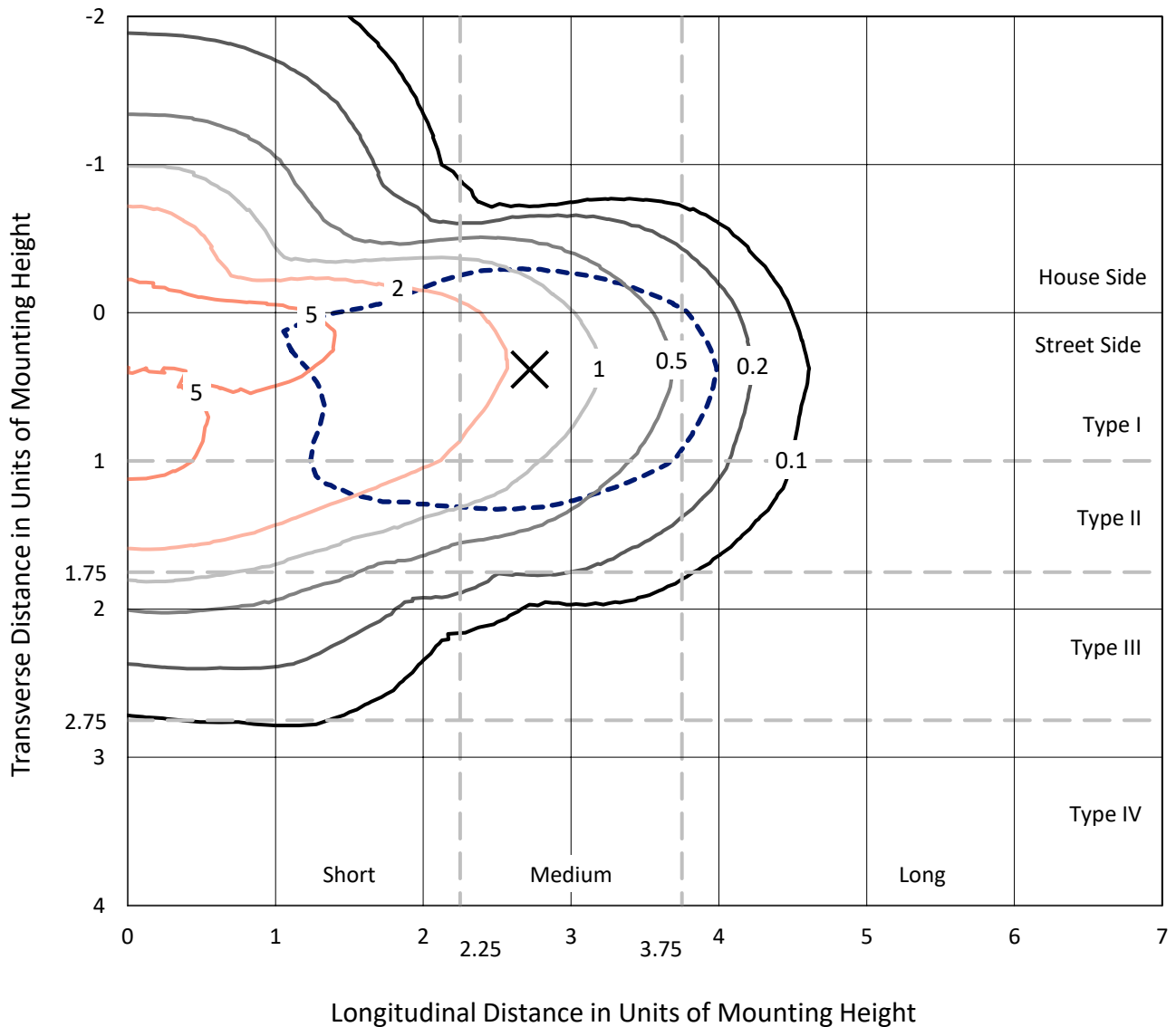
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

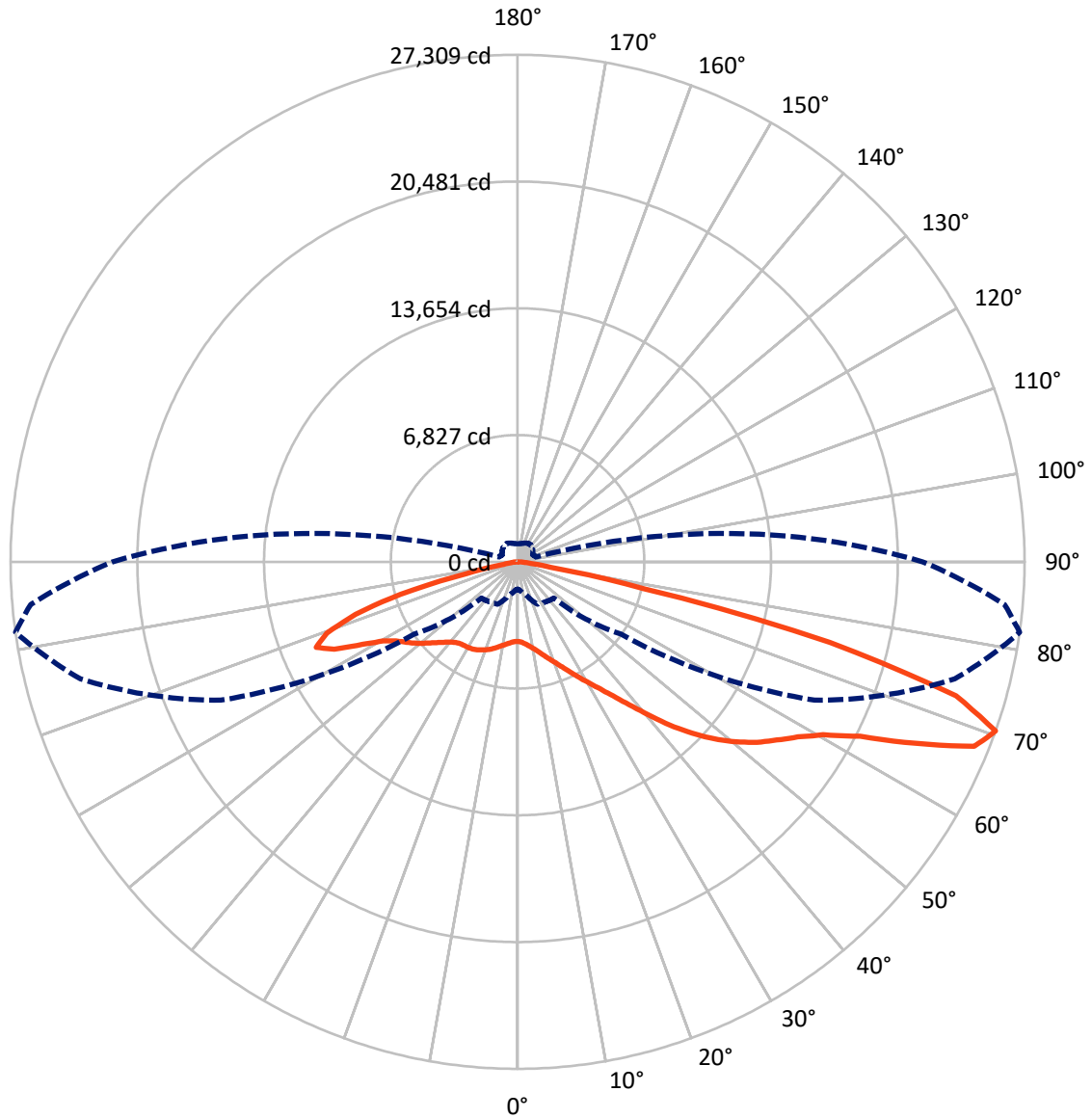
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	7204.2	0.0	7204.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	22018.8	0.0	22018.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	29223.0	0.0	29223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.5	1.4
10°-20°	1162.2	4.0
20°-30°	1944.3	6.7
30°-40°	3037.5	10.4
40°-50°	4837.6	16.6
50°-60°	6732.1	23.0
60°-70°	7042.1	24.1
70°-80°	3680.6	12.6
80°-90°	382.2	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°	29223.0	100.0
0°-180°	29223.0	100.0

Coefficient of Utilization

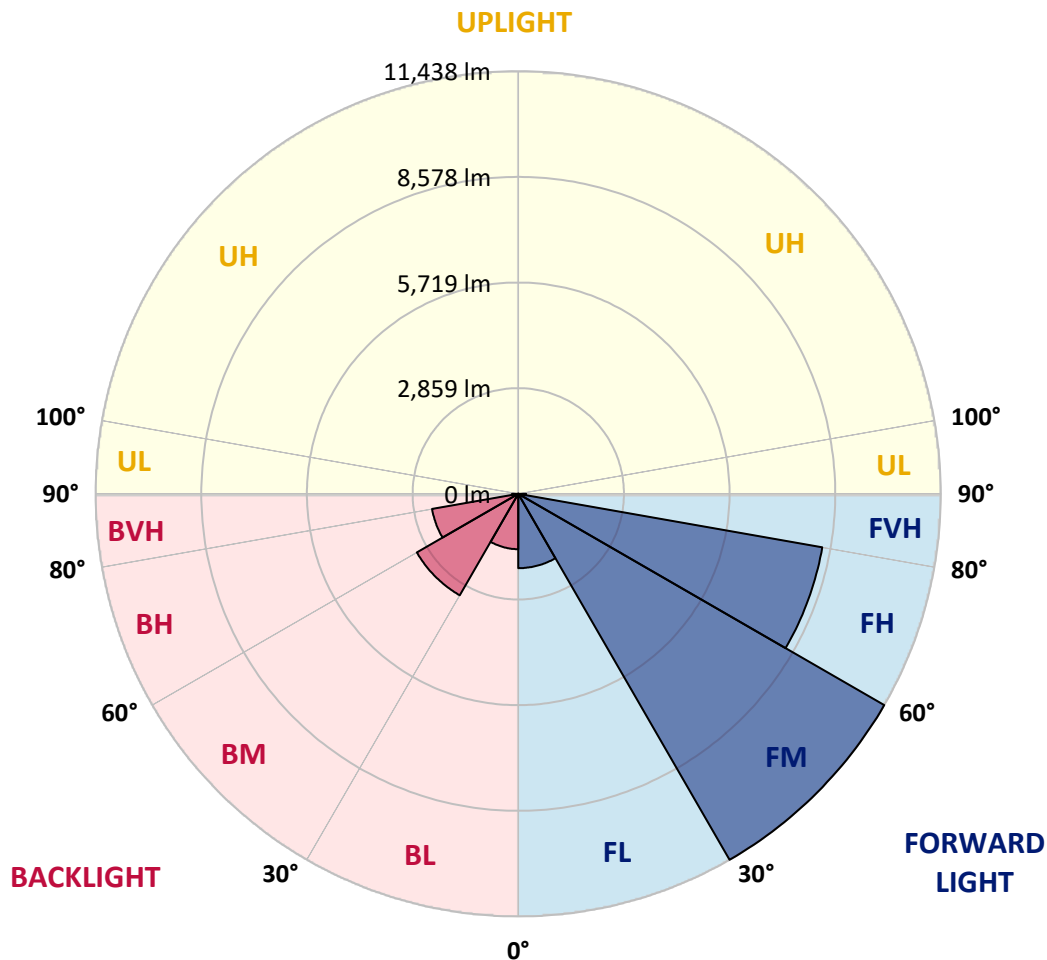


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2012.3	6.9			
FM (30°-60°)	11437.6	39.1			
FH (60°-80°)	8355.0	28.6			G4/12000
FVH (80°-90°)	214.0	0.7			G2/225
BL (0°-30°)	1498.7	5.1	B3/2500		
BM (30°-60°)	3169.6	10.8	B3/5000		
BH (60°-80°)	2367.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	168.2	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°	4284.5	4284.5	4284.5	4284.5	4284.5	4284.5	4284.5	4284.5	4284.5	4284.5
2.5°	4386.8	4411.6	4403.9	4396.1	4396.1	4385.2	4383.7	4368.2	4355.8	4335.6
5°	4442.6	4469.0	4465.9	4472.1	4492.2	4496.9	4501.5	4492.2	4467.4	4442.6
7.5°	4393.0	4422.5	4431.8	4469.0	4531.0	4586.8	4628.7	4645.8	4622.5	4586.8
10°	4225.5	4258.1	4290.7	4379.0	4489.1	4620.9	4732.6	4799.3	4794.6	4760.5
12.5°	3885.9	3920.1	3989.8	4162.0	4363.5	4596.1	4803.9	4943.5	4991.6	4966.7
15°	3614.6	3644.0	3696.8	3873.5	4135.6	4489.1	4830.3	5101.7	5224.2	5210.2
17.5°	3606.8	3619.2	3651.8	3735.5	3937.1	4321.7	4802.4	5256.7	5490.9	5489.3
20°	3743.3	3747.9	3766.5	3783.6	3898.3	4194.5	4731.0	5385.4	5790.1	5790.1
22.5°	3932.5	3929.4	3948.0	3932.5	3988.3	4183.7	4686.1	5498.6	6123.5	6148.3
25°	4216.2	4200.7	4196.1	4160.4	4171.3	4284.5	4735.7	5627.3	6518.9	6570.1
27.5°	4594.6	4569.8	4552.7	4470.5	4442.6	4492.2	4887.7	5782.4	6959.3	7047.7
30°	5087.7	5042.7	5017.9	4875.3	4774.5	4782.2	5117.2	5988.6	7419.9	7562.5
32.5°	5760.7	5690.9	5624.2	5390.1	5205.5	5145.1	5413.3	6273.9	7919.2	8147.1
35°	6514.3	6458.5	6387.1	6025.8	5742.1	5602.5	5813.4	6672.5	8503.8	8865.1
37.5°	7240.0	7191.9	7226.0	6739.1	6373.2	6170.1	6337.5	7207.4	9224.8	9758.3
40°	7990.5	7953.3	7958.0	7492.8	7066.3	6838.4	6973.3	7878.9	10051.3	10820.5
42.5°	8806.2	8778.3	8685.2	8272.7	7793.6	7581.1	7705.2	8654.2	10938.3	12030.0
45°	9719.5	9702.4	9615.6	9142.7	8593.7	8354.9	8522.4	9510.2	11829.9	13168.2
47.5°	10508.8	10522.7	10511.9	10113.4	9544.3	9193.8	9393.9	10403.3	12659.5	14238.1
50°	10888.7	10961.6	11068.6	10944.5	10591.0	10234.3	10273.1	11265.5	13450.4	15241.4
52.5°	10690.2	10828.2	11119.7	11318.2	11454.7	11380.3	11276.4	12121.5	14194.7	16147.0
55°	9950.5	10144.4	10628.2	11107.3	11803.6	12344.8	12481.2	13070.5	14920.4	16944.0
57.5°	8603.0	8917.8	9352.0	10321.2	11493.4	12811.5	13886.1	14387.0	15689.5	17795.3
60°	6292.6	6714.3	7254.0	8696.1	10408.0	12561.8	15081.7	16409.0	16782.7	18897.8
62.5°	4027.0	4287.6	4783.8	6142.1	8109.9	11282.6	15447.6	18936.6	18635.8	20705.9
65°	2757.1	2924.5	3378.9	4141.8	5242.8	8398.3	14467.6	20831.5	21578.9	23571.5
67.5°	2003.4	2130.6	2518.3	3186.6	3416.1	4969.8	11226.7	20744.7	24439.9	26523.9
70°	1460.7	1550.7	1876.3	2518.3	2628.4	2764.8	6801.2	17634.0	24377.8	27308.6
72.5°	1082.4	1144.4	1363.0	1953.8	2127.5	1867.0	3366.5	12816.2	20947.8	24700.4
75°	783.1	829.6	990.9	1494.8	1702.6	1421.9	1679.4	7489.7	14611.8	17375.1
77.5°	598.6	634.2	739.7	1094.8	1363.0	1066.9	1042.0	3445.6	6928.3	6962.4
80°	480.7	504.0	561.3	770.7	1045.1	798.6	679.2	1390.9	2189.5	1853.0
82.5°	353.5	392.3	474.5	541.2	747.4	550.5	414.0	702.4	832.7	716.4
85°	201.6	227.9	286.9	387.7	477.6	336.5	237.3	311.7	387.7	317.9
87.5°	71.3	93.0	100.8	152.0	207.8	139.6	91.5	89.9	127.2	94.6
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°
4284.5	0°	4284.5	4284.5	4284.5	4284.5	4284.5	4284.5	4284.5	4284.5	4284.5	4284.5
4331.0	2.5°	4315.5	4307.7	4276.7	4234.8	4191.4	4149.6	4135.6	4106.1	4086.0	4075.1
4431.8	5°	4402.3	4377.5	4304.6	4211.6	4113.9	4008.4	3934.0	3865.8	3816.2	3769.6
4569.8	7.5°	4526.4	4482.9	4357.3	4194.5	4020.8	3845.6	3715.4	3616.1	3549.4	3506.0
4731.0	10°	4670.6	4603.9	4411.6	4168.2	3899.9	3648.7	3495.2	3409.9	3368.0	3344.8
4915.6	12.5°	4836.5	4741.9	4467.4	4107.7	3715.4	3428.5	3323.1	3298.2	3299.8	3301.3
5148.2	15°	5041.2	4909.4	4512.4	3975.9	3475.0	3259.5	3240.9	3281.2	3323.1	3343.2
5411.8	17.5°	5272.2	5086.1	4520.2	3758.8	3239.3	3150.9	3209.9	3296.7	3360.3	3388.2
5706.4	20°	5520.3	5266.0	4464.3	3451.8	3045.5	3062.5	3168.0	3279.6	3349.4	3385.1
6042.9	22.5°	5804.1	5458.3	4331.0	3129.2	2887.3	2966.4	3090.5	3199.0	3271.9	3307.5
6438.3	25°	6128.2	5673.8	4121.6	2857.9	2750.9	2857.9	2981.9	3071.8	3130.8	3163.3
6880.3	27.5°	6487.9	5898.7	3842.5	2642.3	2631.5	2746.2	2848.6	2918.3	2949.3	2974.2
7350.1	30°	6849.2	6103.4	3504.5	2479.5	2527.6	2636.1	2709.0	2740.0	2749.3	2754.0
7874.2	32.5°	7240.0	6280.1	3149.4	2344.6	2428.3	2529.1	2572.5	2586.5	2543.1	2513.6
8510.0	35°	7713.0	6469.3	2802.0	2237.6	2330.6	2417.5	2431.4	2419.0	2367.8	2307.4
9307.0	37.5°	8297.5	6705.0	2524.5	2161.6	2239.1	2296.5	2279.5	2276.4	2281.0	2209.7
10265.3	40°	9014.0	7012.1	2321.3	2102.7	2164.7	2177.1	2129.0	2155.4	2178.7	2070.1
11316.7	42.5°	9809.4	7382.7	2192.6	2062.4	2102.7	2073.2	1998.8	2028.3	2025.2	1882.5
12372.7	45°	10620.4	7785.8	2147.7	2032.9	2045.3	1986.4	1904.2	1912.0	1846.8	1718.1
13385.2	47.5°	11426.8	8218.5	2175.6	2008.1	1974.0	1907.3	1843.7	1809.6	1713.5	1617.3
14356.0	50°	12217.6	8672.8	2277.9	1958.5	1876.3	1837.5	1791.0	1730.5	1628.2	1546.0
15273.9	52.5°	12951.1	9130.3	2392.7	1876.3	1753.8	1777.0	1747.6	1677.8	1577.0	1493.3
16142.3	55°	13645.8	9587.7	2437.6	1763.1	1639.0	1724.3	1707.3	1578.6	1457.6	1389.4
17051.0	57.5°	14402.5	10138.2	2388.0	1618.9	1546.0	1663.9	1598.7	1456.1	1386.3	1335.1
18234.1	60°	15450.7	11001.9	2281.0	1440.6	1457.6	1573.9	1462.3	1403.3	1327.4	1270.0
20008.1	62.5°	17192.1	12613.0	2108.9	1263.8	1353.7	1440.6	1397.1	1338.2	1260.7	1204.9
23041.2	65°	19766.2	14852.2	1784.8	1125.8	1237.4	1310.3	1327.4	1268.4	1187.8	1128.9
25699.0	67.5°	21937.1	16257.1	1350.6	1011.0	1118.0	1204.9	1252.9	1195.6	1110.3	1052.9
26320.8	70°	21817.7	15236.7	1031.2	897.8	1012.6	1101.0	1163.0	1118.0	1026.5	972.3
23908.0	72.5°	19378.5	12746.4	834.3	783.1	905.6	992.4	1066.9	1032.7	939.7	887.0
17514.6	75°	14236.6	9048.1	666.8	666.8	772.2	879.2	961.4	939.7	854.4	817.2
7353.2	77.5°	6001.0	3796.0	522.6	553.6	642.0	755.2	857.5	865.3	790.8	837.4
1944.5	80°	1595.6	1046.7	398.5	435.7	504.0	623.4	745.9	742.8	662.1	618.7
722.6	82.5°	607.9	412.5	283.8	307.0	364.4	477.6	590.8	609.4	528.8	457.4
283.8	85°	234.1	176.8	175.2	184.5	212.4	316.3	446.6	462.1	398.5	338.0
79.1	87.5°	60.5	52.7	65.1	62.0	97.7	169.0	255.9	265.2	243.5	141.1
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°
4284.5
4087.5
3788.2
3515.3
3351.0
3304.4
3341.7
3394.4
3394.4
3316.8
3172.6
2983.5
2764.8
2522.9
2310.5
2214.3
2073.2
1880.9
1722.8
1617.3
1539.8
1494.8
1383.2
1330.5
1266.9
1204.9
1132.0
1054.4
976.9
887.0
806.3
759.8
575.3
457.4
348.9
201.6
0.0

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