

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: P847675

Luminaire Tested: **GLAN-SB3D-850-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847675  
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-850-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 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: 19144 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

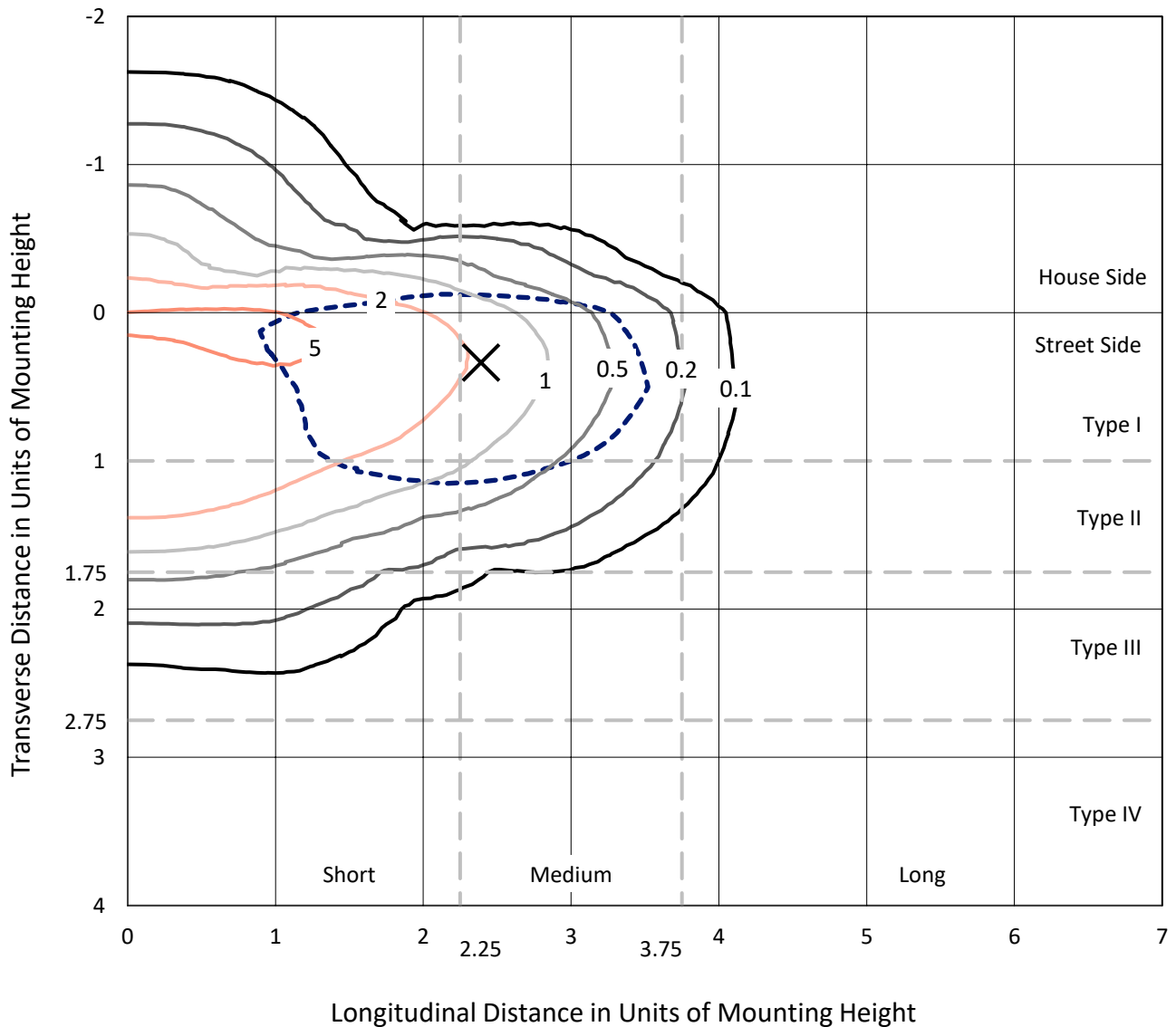
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

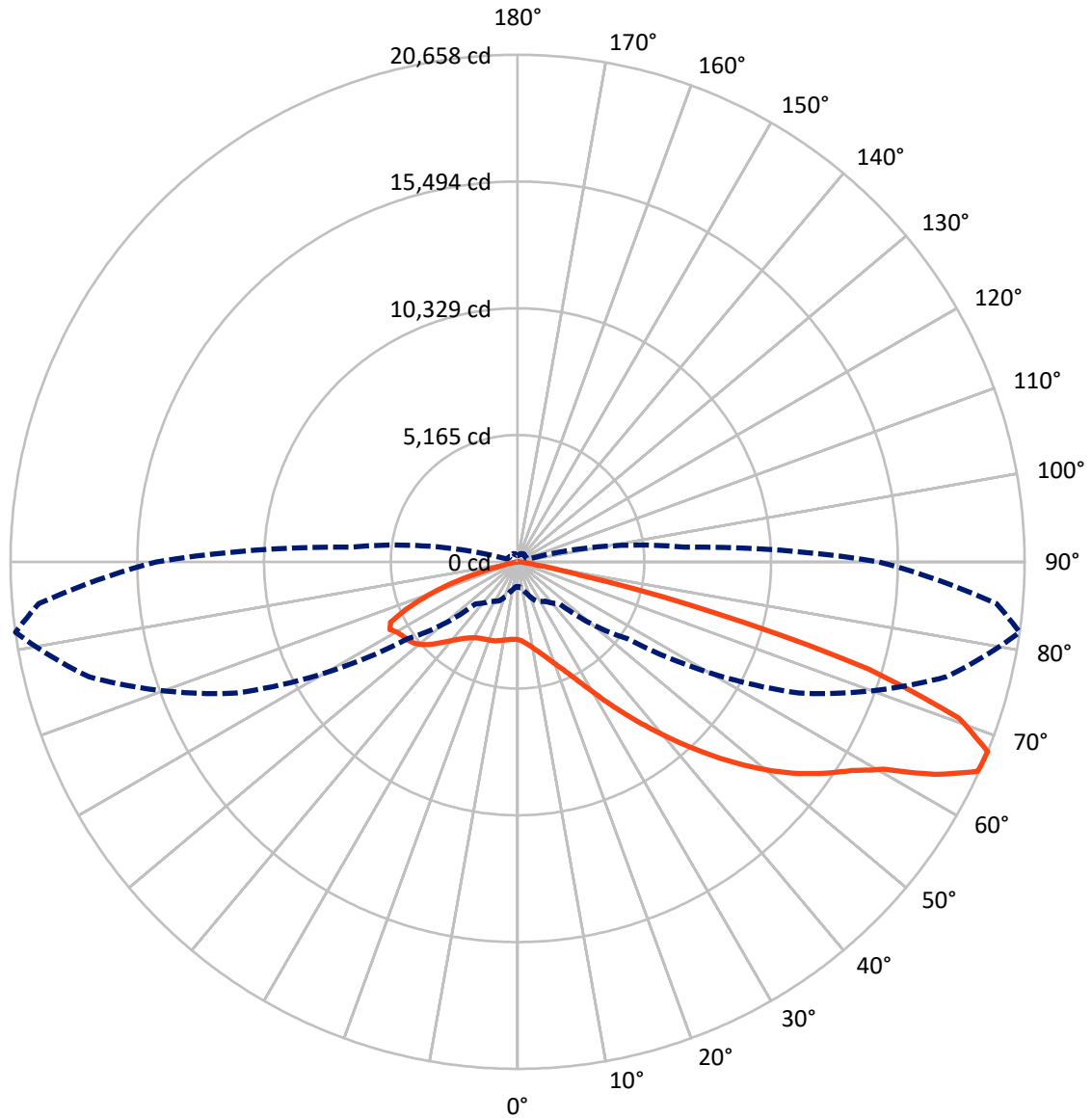
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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
<b>House Side</b>	Lumens	3467.8	0.0	3467.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	15676.2	0.0	15676.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	19144.0	0.0	19144.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.6	1.5
10°-20°	734.3	3.8
20°-30°	1176.0	6.1
30°-40°	2079.6	10.9
40°-50°	3643.7	19.0
50°-60°	4859.6	25.4
60°-70°	4524.1	23.6
70°-80°	1736.3	9.1
80°-90°	107.8	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°	19144.0	100.0
0°-180°	19144.0	100.0

**Coefficient of Utilization**



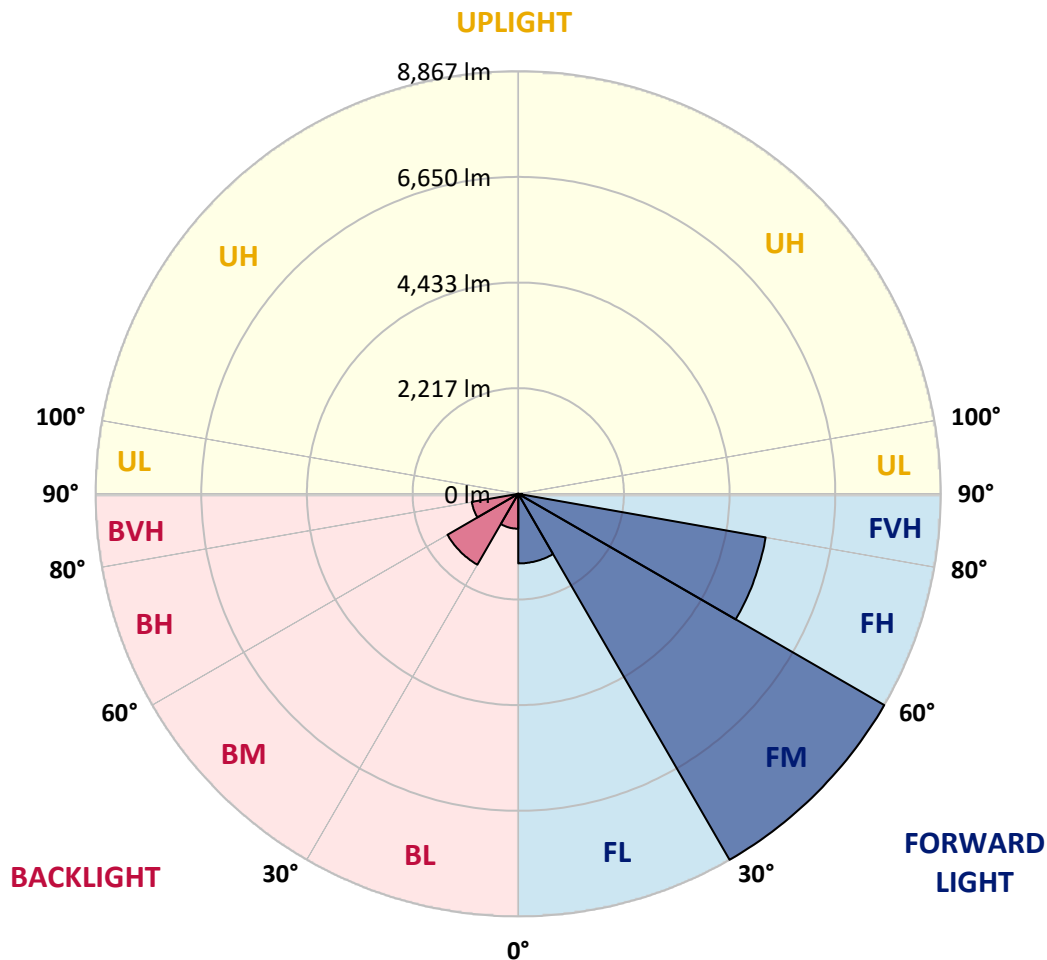
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1460.5	7.6			
FM (30°-60°)	8866.7	46.3			
FH (60°-80°)	5270.6	27.5			G3/7500
FVH (80°-90°)	78.4	0.4			G1/100
BL (0°-30°)	732.4	3.8	B2/1000		
BM (30°-60°)	1716.2	9.0	B2/2500		
BH (60°-80°)	989.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	29.4	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°	3171.5	3171.5	3171.5	3171.5	3171.5	3171.5	3171.5	3171.5	3171.5	3171.5
2.5°	3352.1	3371.4	3360.3	3354.8	3345.2	3331.4	3320.4	3285.9	3250.1	3226.6
5°	3419.6	3438.9	3437.5	3443.0	3449.9	3454.1	3451.3	3412.7	3361.7	3321.7
7.5°	3361.7	3383.8	3401.7	3429.3	3477.5	3528.5	3553.3	3545.0	3492.7	3437.5
10°	3197.7	3221.1	3263.9	3328.6	3430.6	3540.9	3633.2	3676.0	3642.9	3582.3
12.5°	2897.2	2920.7	3004.7	3145.3	3316.2	3507.8	3684.2	3798.6	3806.9	3746.3
15°	2559.5	2583.0	2672.6	2849.0	3109.5	3416.9	3711.8	3928.2	4001.3	3948.9
17.5°	2350.0	2370.7	2438.2	2580.2	2851.7	3234.9	3702.2	4066.0	4232.8	4191.5
20°	2286.6	2304.6	2336.3	2435.5	2661.5	3046.1	3638.8	4195.6	4482.3	4458.9
22.5°	2354.2	2370.7	2380.4	2424.5	2566.4	2922.0	3558.8	4327.9	4771.7	4774.5
25°	2509.9	2526.5	2515.4	2543.0	2605.0	2883.4	3528.5	4483.7	5135.6	5165.9
27.5°	2766.3	2767.7	2741.5	2740.1	2749.7	2941.3	3560.2	4650.4	5594.6	5651.1
30°	3280.4	3259.7	3159.1	3050.2	3000.6	3115.0	3648.4	4847.5	6136.3	6236.9
32.5°	4072.9	4042.6	3857.9	3597.4	3335.5	3394.8	3806.9	5072.2	6726.2	6908.1
35°	4933.0	4924.7	4731.8	4344.5	3886.9	3793.1	4064.7	5367.2	7369.9	7659.3
37.5°	5732.4	5728.3	5618.0	5161.8	4605.0	4348.6	4478.2	5753.1	8059.0	8478.0
40°	6462.9	6475.3	6365.1	5957.1	5396.1	5061.2	5040.5	6230.0	8825.4	9369.8
42.5°	7094.2	7108.0	6996.3	6694.5	6177.6	5849.6	5731.1	6814.4	9573.8	10327.7
45°	7522.9	7608.3	7591.8	7350.6	6979.8	6639.4	6560.8	7547.7	10427.0	11343.6
47.5°	7644.2	7722.7	7846.8	7879.9	7653.8	7318.9	7412.6	8431.2	11289.8	12360.8
50°	7345.1	7418.1	7675.9	8019.1	8176.2	8072.8	8241.0	9378.1	12173.3	13375.2
52.5°	6755.1	6829.6	7154.9	7697.9	8338.8	8664.1	9072.1	10311.2	13029.3	14335.9
55°	5902.0	5980.5	6398.2	7012.9	8028.7	8908.1	9765.4	11243.0	13813.5	15200.1
57.5°	4741.4	4799.3	5233.5	6093.6	7248.6	8665.5	10276.7	12260.2	14552.3	16049.2
60°	3090.2	3141.2	3645.7	4605.0	5955.7	7855.0	10378.7	13394.5	15533.7	17153.2
62.5°	2055.1	2089.5	2388.6	3092.9	4194.2	6298.9	9781.9	14300.1	16972.6	19074.6
65°	1410.0	1444.5	1743.6	2234.3	2709.8	4166.7	8065.9	14180.1	18276.5	20600.4
67.5°	1006.2	1035.1	1288.7	1751.8	1961.3	2420.3	5467.8	12647.5	18089.1	20658.3
70°	720.9	737.4	946.9	1364.5	1558.9	1454.1	3040.6	9673.0	15838.3	19075.9
72.5°	504.5	510.0	657.5	1039.3	1255.6	1061.3	1447.2	6449.2	11979.0	14972.7
75°	341.8	348.7	442.4	762.2	1007.6	810.5	766.3	3458.2	7032.2	8287.8
77.5°	209.5	212.3	285.3	521.0	753.9	617.5	493.4	1465.2	2720.8	2671.2
80°	118.5	118.5	181.9	323.9	514.1	398.3	346.0	623.0	861.4	756.7
82.5°	66.2	67.5	132.3	201.2	340.4	235.7	190.2	288.1	372.1	329.4
85°	27.6	30.3	81.3	95.1	162.6	117.2	77.2	121.3	137.8	122.7
87.5°	2.8	4.1	24.8	17.9	19.3	23.4	11.0	23.4	19.3	19.3
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°
3171.5	0°	3171.5	3171.5	3171.5	3171.5	3171.5	3171.5	3171.5	3171.5	3171.5	3171.5
3218.4	2.5°	3192.2	3171.5	3119.1	3058.5	2978.5	2940.0	2887.6	2851.7	2821.4	2824.2
3298.3	5°	3254.2	3201.8	3084.7	2938.6	2756.6	2627.1	2489.2	2394.1	2317.0	2300.4
3408.6	7.5°	3339.7	3257.0	3051.6	2788.3	2481.0	2248.0	2039.9	1906.2	1811.1	1780.8
3542.3	10°	3449.9	3330.0	3008.9	2599.5	2157.1	1860.7	1637.4	1532.7	1467.9	1445.9
3699.4	12.5°	3578.1	3414.1	2952.4	2369.3	1823.5	1538.2	1396.2	1343.9	1323.2	1316.3
3892.4	15°	3739.4	3518.8	2866.9	2096.4	1541.0	1341.1	1280.5	1273.6	1276.3	1273.6
4123.9	17.5°	3931.0	3633.2	2727.7	1815.2	1350.8	1240.5	1218.4	1223.9	1230.8	1229.5
4383.1	20°	4140.5	3746.3	2549.9	1565.8	1221.2	1168.8	1156.4	1161.9	1167.4	1164.7
4682.2	22.5°	4378.9	3867.6	2352.8	1371.4	1134.4	1102.7	1088.9	1090.3	1090.3	1084.7
5061.2	25°	4664.2	4001.3	2146.0	1233.6	1068.2	1043.4	1026.8	1021.3	1013.1	996.5
5521.5	27.5°	5004.7	4143.2	1947.6	1137.1	1015.8	992.4	973.1	959.3	938.6	911.1
6074.3	30°	5387.9	4315.5	1779.4	1076.5	974.5	951.0	929.0	908.3	878.0	843.5
6709.7	32.5°	5838.6	4500.2	1656.7	1036.5	937.3	912.4	886.3	861.4	828.4	793.9
7423.6	35°	6376.1	4723.5	1585.1	1008.9	908.3	875.2	846.3	818.7	793.9	763.6
8199.6	37.5°	6959.1	4960.6	1563.0	995.1	889.0	838.0	804.9	785.6	782.9	765.0
9039.0	40°	7597.3	5241.7	1579.6	986.9	868.3	802.2	766.3	762.2	769.1	737.4
9936.3	42.5°	8272.7	5575.3	1607.1	977.2	839.4	766.3	731.9	731.9	726.4	682.3
10884.6	45°	9003.2	5959.9	1634.7	953.8	804.9	730.5	704.3	694.7	671.2	628.5
11838.4	47.5°	9739.2	6351.3	1655.4	911.1	763.6	700.2	676.8	654.7	620.2	581.7
12774.3	50°	10438.0	6702.8	1633.3	847.7	716.7	671.2	646.4	616.1	578.9	552.7
13660.5	52.5°	11062.4	7007.4	1539.6	773.2	667.1	640.9	618.9	587.2	556.8	529.3
14459.9	55°	11605.4	7254.1	1374.2	702.9	623.0	614.7	592.7	552.7	511.4	487.9
15252.5	57.5°	12126.5	7441.5	1167.4	645.1	583.0	585.8	552.7	516.9	478.3	453.5
16320.7	60°	12819.7	7692.4	957.9	591.3	540.3	548.6	512.7	486.5	438.3	406.6
18152.5	62.5°	13927.9	8082.5	760.8	525.1	490.7	493.4	478.3	446.6	388.7	351.5
19510.1	65°	14807.3	7939.1	599.6	453.5	434.2	438.3	438.3	403.8	341.8	299.1
19583.2	67.5°	14708.0	6797.9	478.3	383.2	380.4	383.2	392.8	363.9	303.2	268.8
18091.8	70°	13548.9	5407.1	383.2	318.4	330.8	323.9	351.5	332.2	272.9	238.4
14025.8	72.5°	11055.5	3895.1	292.2	263.3	253.6	264.6	317.0	299.1	227.4	188.8
7429.1	75°	6460.2	2078.5	217.8	208.1	183.3	220.5	281.2	255.0	173.7	139.2
2277.0	77.5°	2103.3	725.0	159.9	153.0	136.5	177.8	239.8	215.0	142.0	110.3
667.1	80°	563.7	219.2	108.9	100.6	88.2	132.3	190.2	170.9	102.0	71.7
286.7	82.5°	226.0	92.3	63.4	56.5	48.2	91.0	150.2	137.8	75.8	45.5
89.6	85°	73.1	30.3	23.4	17.9	22.1	56.5	89.6	93.7	53.8	23.4
13.8	87.5°	9.6	4.1	4.1	5.5	4.1	9.6	27.6	26.2	15.2	2.8
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°
3171.5
2796.6
2263.2
1750.5
1429.3
1312.2
1272.2
1226.7
1163.3
1082.0
993.8
908.3
840.8
795.3
760.8
763.6
738.8
682.3
627.1
580.3
548.6
526.5
485.2
450.7
402.5
348.7
295.0
263.3
234.3
184.7
135.1
106.1
70.3
45.5
17.9
0.0
0.0

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