

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: P850147

Luminaire Tested: **GLAN-SB7C-735-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

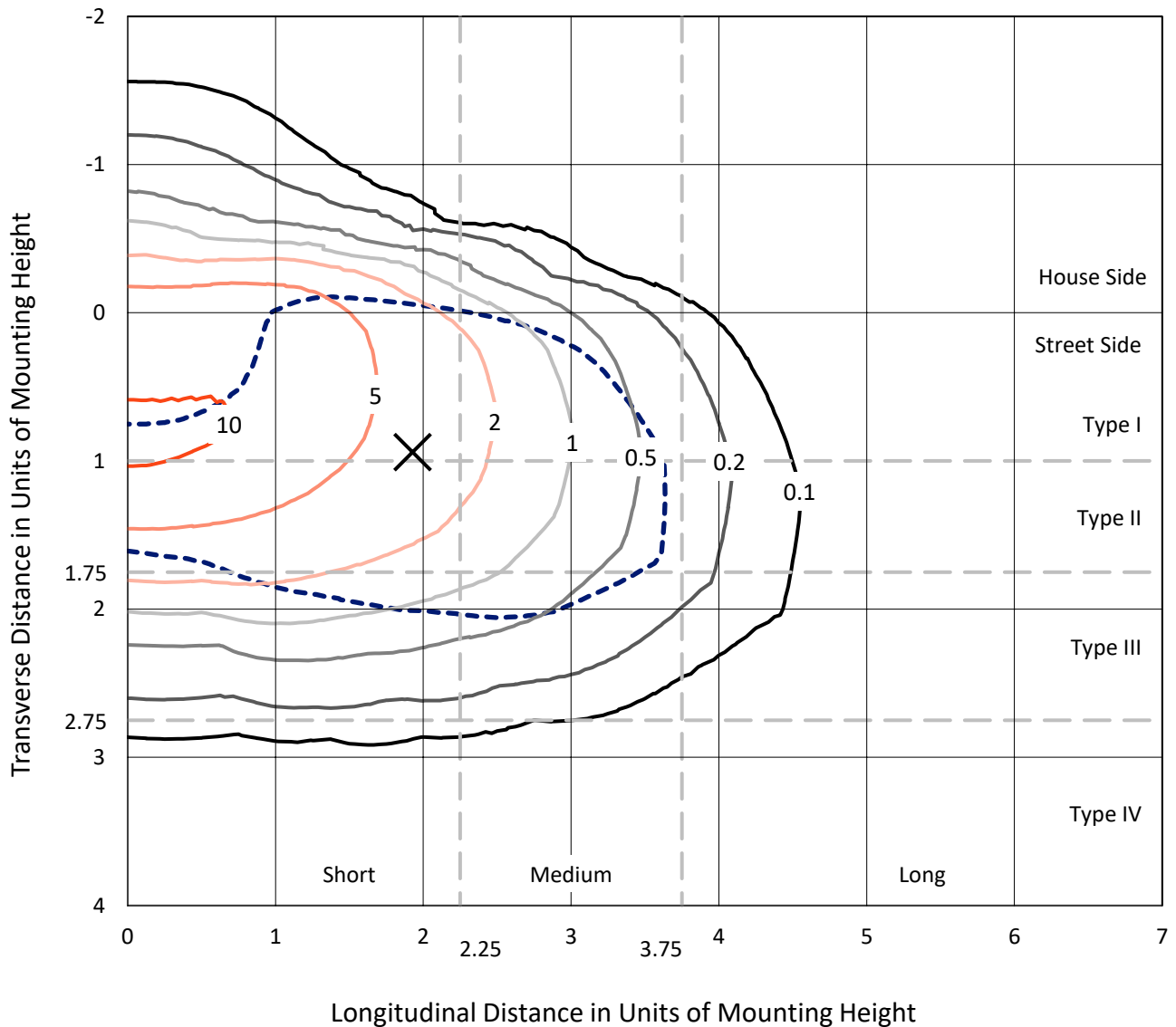
Lumens per Lamp: N/A  
Luminaire Lumens: 40990 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

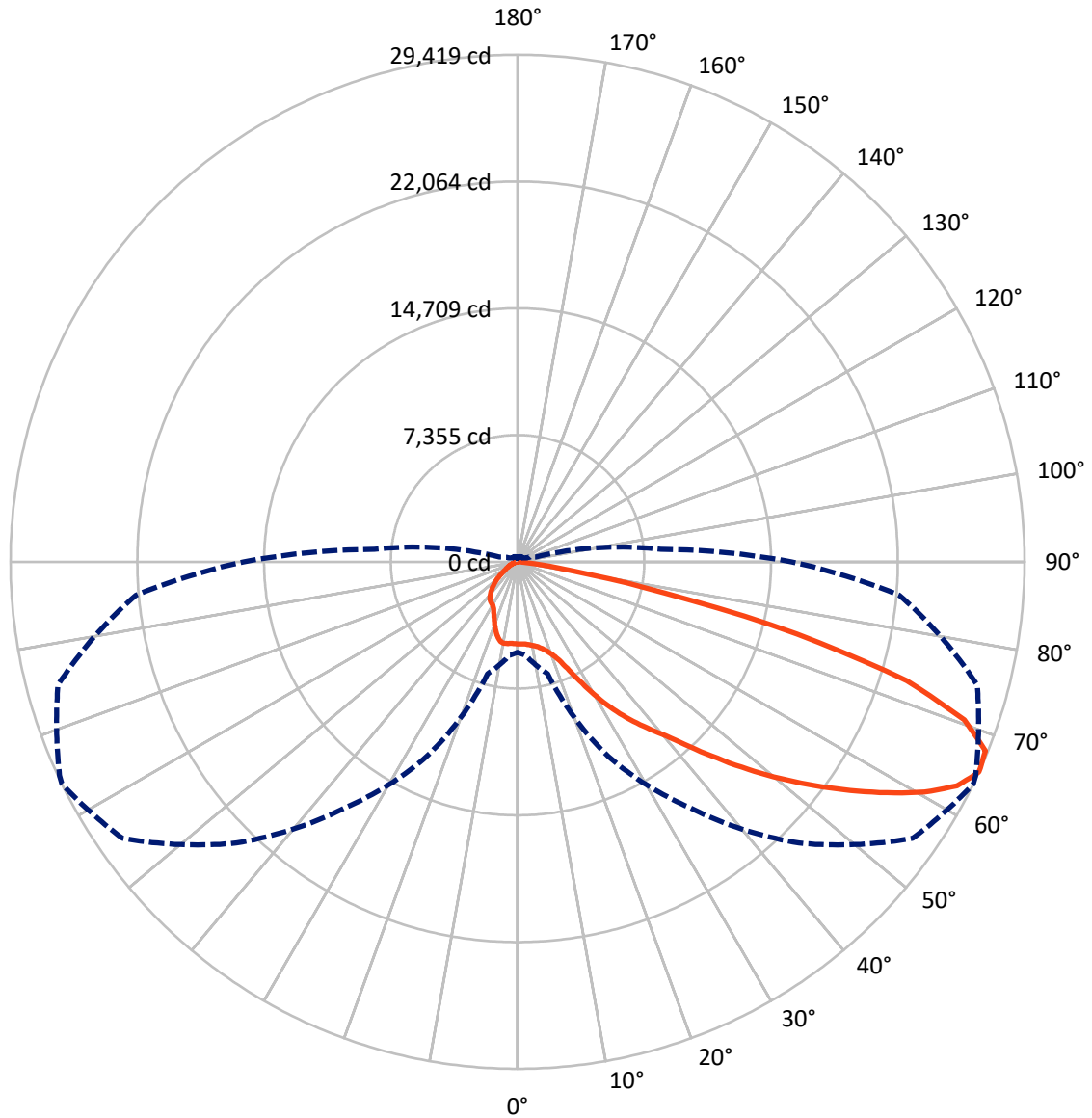
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5481.6	0.0	5481.6
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	35508.4	0.0	35508.4
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	40990.0	0.0	40990.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	439.9	1.1
10°-20°	1193.0	2.9
20°-30°	2260.7	5.5
30°-40°	4574.5	11.2
40°-50°	7792.7	19.0
50°-60°	10597.5	25.9
60°-70°	9951.6	24.3
70°-80°	3987.0	9.7
80°-90°	193.2	0.5
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°	40990.0	100.0
0°-180°	40990.0	100.0

**Coefficient of Utilization**

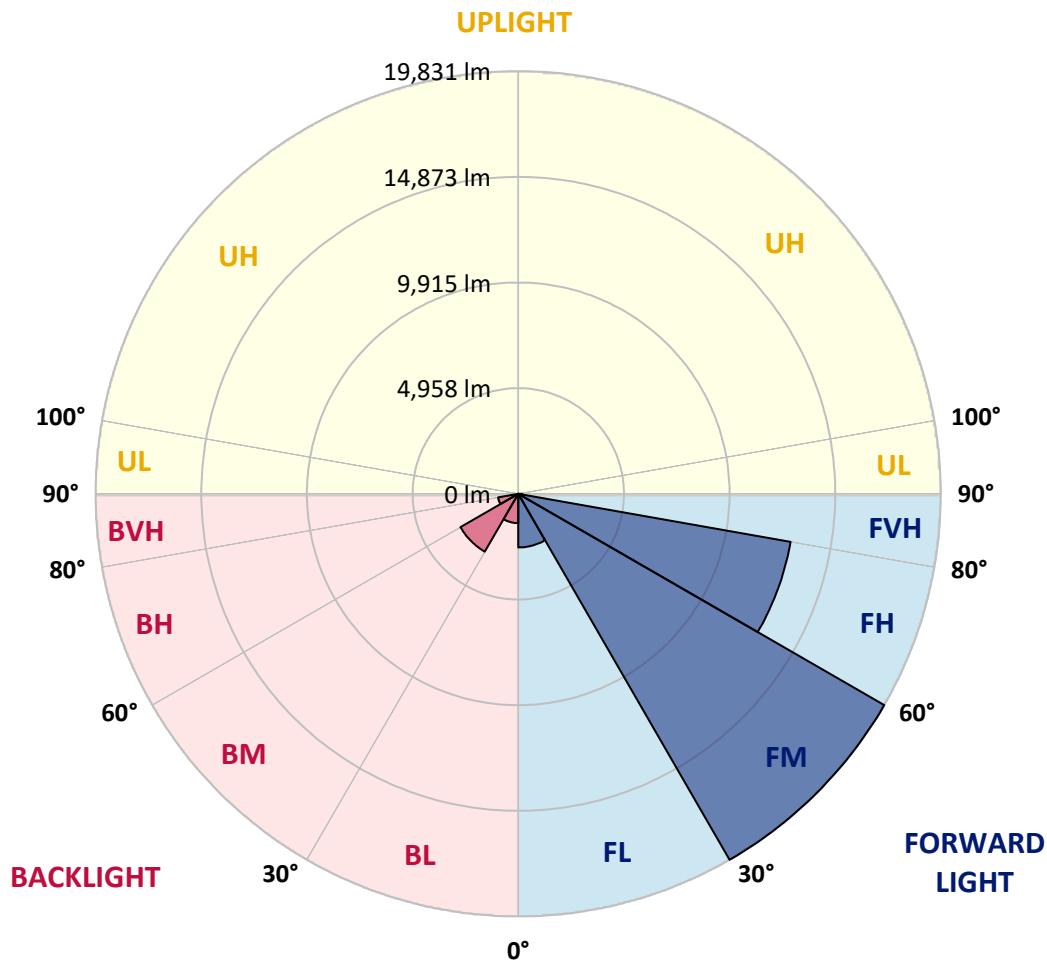


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2517.3	6.1			
FM (30°-60°)	19830.9	48.4			
FH (60°-80°)	12976.5	31.7			G5
FVH (80°-90°)	183.7	0.4			G2/225
BL (0°-30°)	1376.3	3.4	B3/2500		
BM (30°-60°)	3133.8	7.6	B3/5000		
BH (60°-80°)	962.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4767.6	4767.6	4767.6	4767.6	4767.6	4767.6	4767.6	4767.6	4767.6	4767.6
2.5°	4751.1	4784.0	4775.8	4767.6	4764.8	4770.3	4773.1	4770.3	4770.3	4770.3
5°	4660.4	4687.9	4687.9	4707.1	4734.6	4767.6	4792.3	4797.8	4803.3	4811.5
7.5°	4487.3	4509.3	4525.7	4589.0	4657.6	4745.6	4819.8	4858.2	4863.7	4894.0
10°	4369.1	4396.6	4424.1	4490.0	4589.0	4720.8	4847.3	4940.7	4954.4	5025.9
12.5°	4363.6	4391.1	4426.8	4498.3	4613.7	4753.8	4907.7	5042.4	5067.1	5171.5
15°	4421.3	4454.3	4487.3	4575.2	4698.9	4869.2	5034.1	5201.7	5226.5	5374.8
17.5°	4539.5	4583.5	4608.2	4696.1	4828.0	5017.6	5234.7	5427.1	5449.0	5622.2
20°	4773.1	4825.3	4833.5	4905.0	5034.1	5237.4	5495.7	5734.8	5762.3	5960.1
22.5°	5256.7	5330.9	5264.9	5300.7	5416.1	5619.4	5899.7	6202.0	6240.4	6465.7
25°	6108.5	6212.9	6042.6	5982.1	6031.6	6243.2	6594.9	6976.9	7020.8	7202.2
27.5°	7782.0	7647.3	7389.0	7136.2	6987.8	7108.8	7504.4	7977.1	8032.0	8207.9
30°	9620.3	9502.2	9153.2	8592.6	8240.9	8221.6	8587.1	9114.7	9177.9	9345.5
32.5°	11461.4	11348.7	10969.5	10279.8	9669.8	9367.5	9620.3	10205.6	10238.6	10345.7
35°	13272.2	13156.8	12777.6	12071.4	11321.2	10634.3	10584.8	11244.3	11255.3	11368.0
37.5°	15094.1	14997.9	14594.0	13901.5	13162.3	12214.3	11755.4	12228.0	12241.8	12351.7
40°	16393.8	16435.0	16157.5	15621.7	14986.9	13951.0	13068.9	13275.0	13192.5	13376.7
42.5°	17509.5	17591.9	17350.1	17080.8	16712.6	15800.3	14695.6	14659.9	14528.0	14626.9
45°	18474.0	18542.7	18325.6	18262.4	18254.1	17613.9	16473.5	16259.2	16075.1	16055.8
47.5°	18828.4	18960.3	19053.8	19265.3	19677.5	19408.2	18311.8	17979.3	17773.3	17622.1
50°	18963.1	19103.2	19422.0	20037.5	21013.0	21128.4	20141.9	19768.2	19515.4	19240.6
52.5°	18781.7	19031.8	19460.4	20496.4	21911.6	22507.8	21897.8	21570.8	21282.3	20834.4
55°	17712.8	17962.9	18839.4	20490.9	22359.5	23475.1	23557.5	23411.9	23087.6	22381.4
57.5°	15459.5	15830.5	17218.2	19792.9	22351.2	24307.7	25184.3	25288.7	24926.0	23914.8
60°	12338.0	12840.8	14533.5	18245.9	21661.5	24758.4	26610.4	27132.5	26747.8	25426.1
62.5°	8609.1	9191.6	10793.7	15822.3	20084.2	24434.1	27651.9	28616.4	28325.1	26778.0
65°	5251.2	5438.0	6729.5	12450.6	17402.3	23076.7	27973.4	29418.7	29322.6	27605.1
67.5°	3498.0	3654.7	4025.6	8537.6	13508.6	20364.5	27204.0	29278.6	29306.1	27470.5
70°	2107.6	2242.3	2484.1	4965.4	8754.7	16119.0	24821.6	27492.5	27651.9	25670.6
72.5°	868.3	959.0	1178.8	2250.5	4534.0	10230.3	19765.5	23604.2	23975.2	21584.6
75°	491.9	538.6	692.5	1129.4	1967.5	4767.6	11972.5	16756.5	17303.4	14877.0
77.5°	327.0	349.0	447.9	730.9	1107.4	1626.7	5116.5	8730.0	9774.2	8125.5
80°	219.8	239.1	307.8	489.1	719.9	698.0	1629.5	3234.2	3978.9	2791.8
82.5°	148.4	151.1	219.8	321.5	456.1	338.0	480.9	1005.7	1264.0	807.9
85°	85.2	82.4	162.1	186.9	203.3	140.1	145.6	302.3	395.7	340.7
87.5°	11.0	16.5	63.2	49.5	27.5	30.2	30.2	52.2	76.9	82.4
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°
4767.6	0°	4767.6	4767.6	4767.6	4767.6	4767.6	4767.6	4767.6	4767.6	4767.6	4767.6
4773.1	2.5°	4773.1	4770.3	4762.1	4753.8	4734.6	4723.6	4729.1	4723.6	4720.8	4723.6
4808.8	5°	4808.8	4800.5	4778.6	4751.1	4712.6	4665.9	4635.7	4591.7	4550.5	4525.7
4905.0	7.5°	4905.0	4896.7	4866.5	4789.5	4665.9	4470.8	4292.2	4135.6	4017.4	3948.7
5058.8	10°	5058.8	5045.1	4998.4	4828.0	4503.8	4077.8	3723.4	3429.3	3237.0	3146.3
5240.2	12.5°	5240.2	5223.7	5141.3	4792.3	4196.0	3531.0	3041.9	2714.9	2536.3	2456.6
5449.0	15°	5454.5	5432.5	5270.4	4621.9	3748.1	2926.5	2478.6	2234.0	2118.6	2047.2
5715.6	17.5°	5721.1	5682.6	5366.6	4366.4	3261.7	2464.8	2132.4	1948.2	1846.6	1777.9
6064.6	20°	6067.3	6004.1	5443.5	4061.4	2813.8	2173.6	1898.8	1744.9	1668.0	1607.5
6559.2	22.5°	6550.9	6460.3	5537.0	3731.6	2497.8	1973.0	1725.7	1613.0	1549.8	1481.1
7248.9	25°	7150.0	7042.8	5652.4	3426.6	2280.7	1799.9	1599.3	1505.8	1431.6	1352.0
8152.9	27.5°	7988.1	7795.7	5789.8	3176.5	2093.9	1651.5	1483.9	1379.4	1294.2	1228.3
9177.9	30°	8922.3	8606.3	5910.7	3025.4	1923.5	1514.1	1332.7	1228.3	1148.6	1101.9
10098.4	32.5°	9807.2	9378.5	5990.4	2959.5	1769.6	1357.5	1167.8	1055.2	994.7	981.0
10999.7	35°	10642.5	10076.5	5982.1	2896.3	1632.2	1200.8	1005.7	890.3	843.6	851.8
11969.7	37.5°	11604.3	10821.1	5924.4	2797.3	1519.6	1057.9	865.6	763.9	722.7	725.4
13148.6	40°	12722.7	11681.2	5888.7	2610.5	1395.9	926.0	750.2	667.7	637.5	626.5
14390.6	42.5°	13915.2	12513.8	5894.2	2398.9	1242.0	807.9	670.5	601.8	574.3	566.1
15772.8	45°	15113.3	13308.0	5902.4	2179.1	1079.9	717.2	612.8	555.1	538.6	527.6
17174.2	47.5°	16239.9	13983.9	5748.6	1942.7	920.5	648.5	566.1	527.6	513.9	500.1
18581.1	50°	17289.6	14434.6	5377.6	1668.0	794.1	593.5	530.3	502.9	489.1	475.4
19856.1	52.5°	18105.7	14506.0	4764.8	1384.9	706.2	552.3	508.4	483.6	467.1	453.4
20886.6	55°	18468.5	14058.1	3893.7	1121.1	637.5	516.6	486.4	461.6	442.4	428.7
21697.2	57.5°	18375.0	13115.6	3036.4	901.3	571.6	480.9	458.9	442.4	420.4	398.4
22354.0	60°	17916.1	11854.3	2289.0	750.2	511.1	442.4	428.7	414.9	384.7	351.7
22606.8	62.5°	17122.0	10268.8	1632.2	621.0	445.2	398.4	392.9	382.0	338.0	277.5
22233.1	65°	15907.4	8342.5	1099.1	516.6	382.0	349.0	351.7	332.5	274.8	206.1
20864.6	67.5°	14132.3	6100.3	703.5	423.2	318.8	291.3	294.0	283.0	233.6	175.9
18270.6	70°	11870.8	4039.4	458.9	321.5	255.6	225.3	241.8	244.6	197.8	142.9
14022.4	72.5°	8702.5	2385.2	321.5	239.1	186.9	156.6	197.8	203.3	159.4	107.2
8436.0	75°	4959.9	1132.1	241.8	173.1	115.4	109.9	153.9	153.9	109.9	71.4
3651.9	77.5°	2082.9	472.6	170.4	112.7	65.9	63.2	104.4	96.2	55.0	33.0
890.3	80°	601.8	211.6	90.7	55.0	27.5	24.7	41.2	30.2	13.7	5.5
338.0	82.5°	236.3	93.4	35.7	22.0	11.0	11.0	5.5	0.0	0.0	0.0
192.4	85°	140.1	38.5	16.5	8.2	2.7	0.0	0.0	0.0	0.0	0.0
41.2	87.5°	35.7	8.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
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4767.6
4734.6
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2049.9
1772.4
1596.5
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1343.7
1214.6
1093.7
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