

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: P849847

Luminaire Tested: **GLAN-SB7A-827-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849847  
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-SB7A-827-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 350mA 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: 19948 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

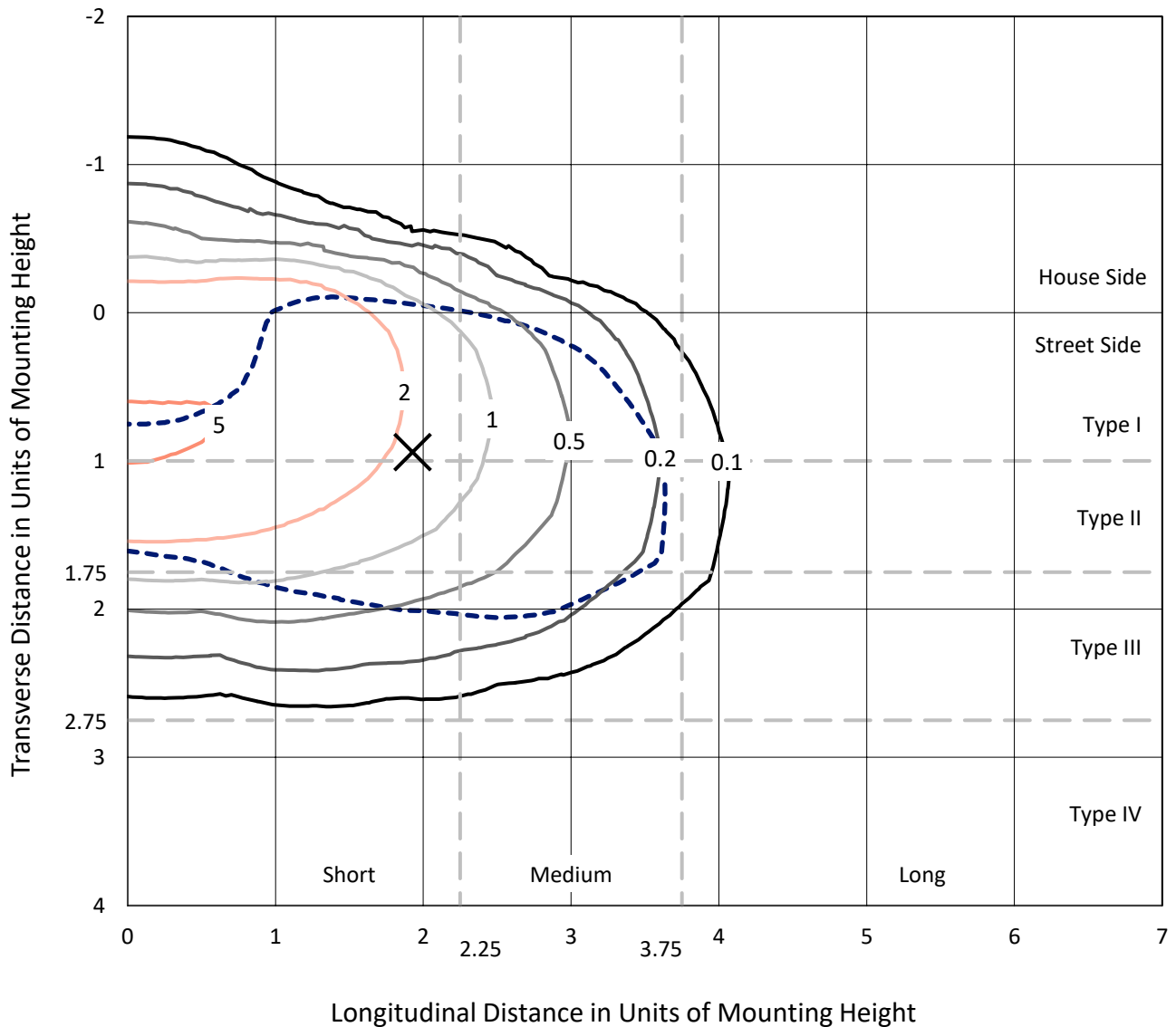
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

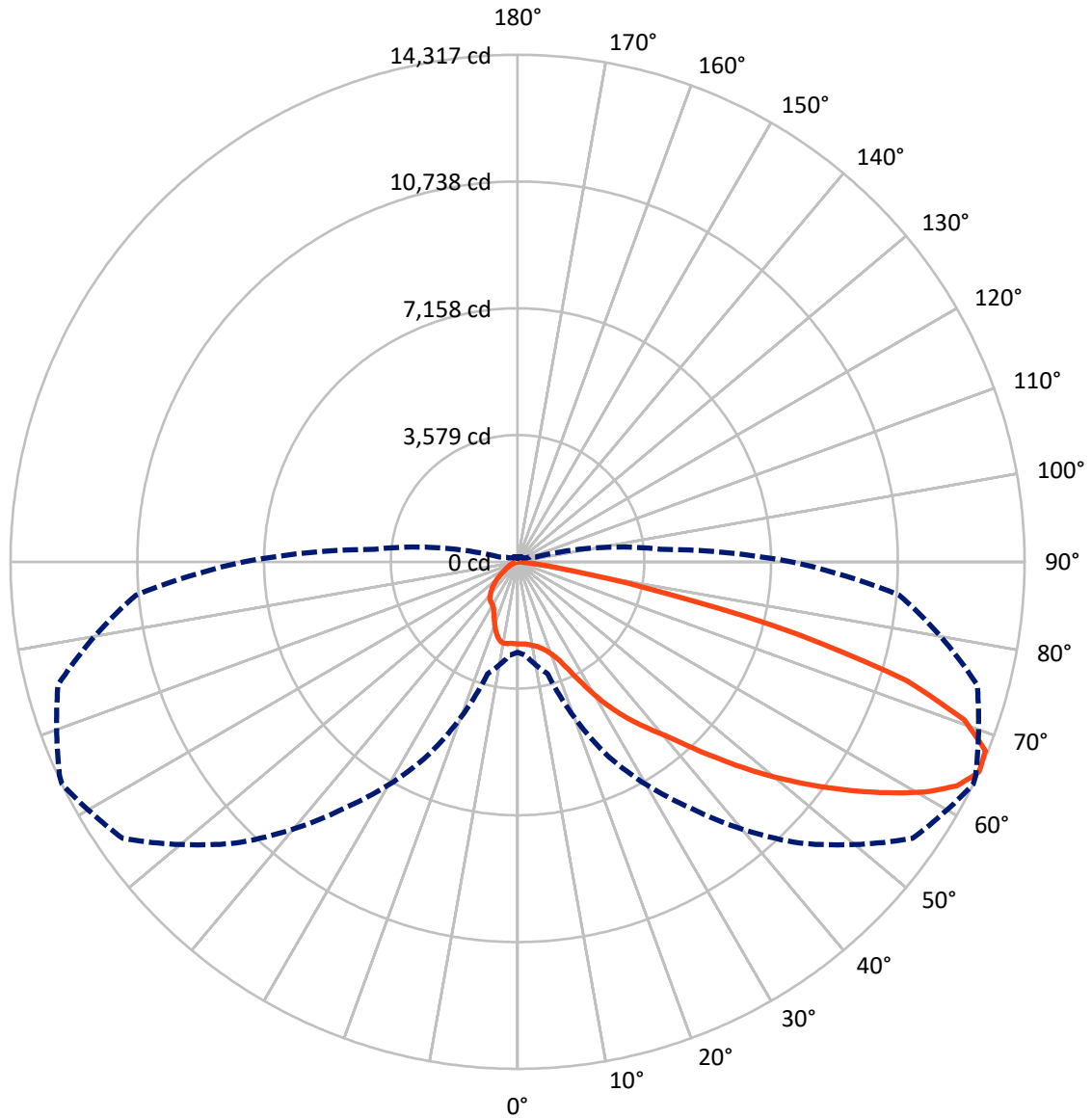
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	2667.7	0.0	2667.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	17280.4	0.0	17280.4
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	19948.0	0.0	19948.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.1	1.1
10°-20°	580.6	2.9
20°-30°	1100.2	5.5
30°-40°	2226.2	11.2
40°-50°	3792.4	19.0
50°-60°	5157.3	25.9
60°-70°	4843.0	24.3
70°-80°	1940.3	9.7
80°-90°	94.0	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°	19948.0	100.0
0°-180°	19948.0	100.0

**Coefficient of Utilization**



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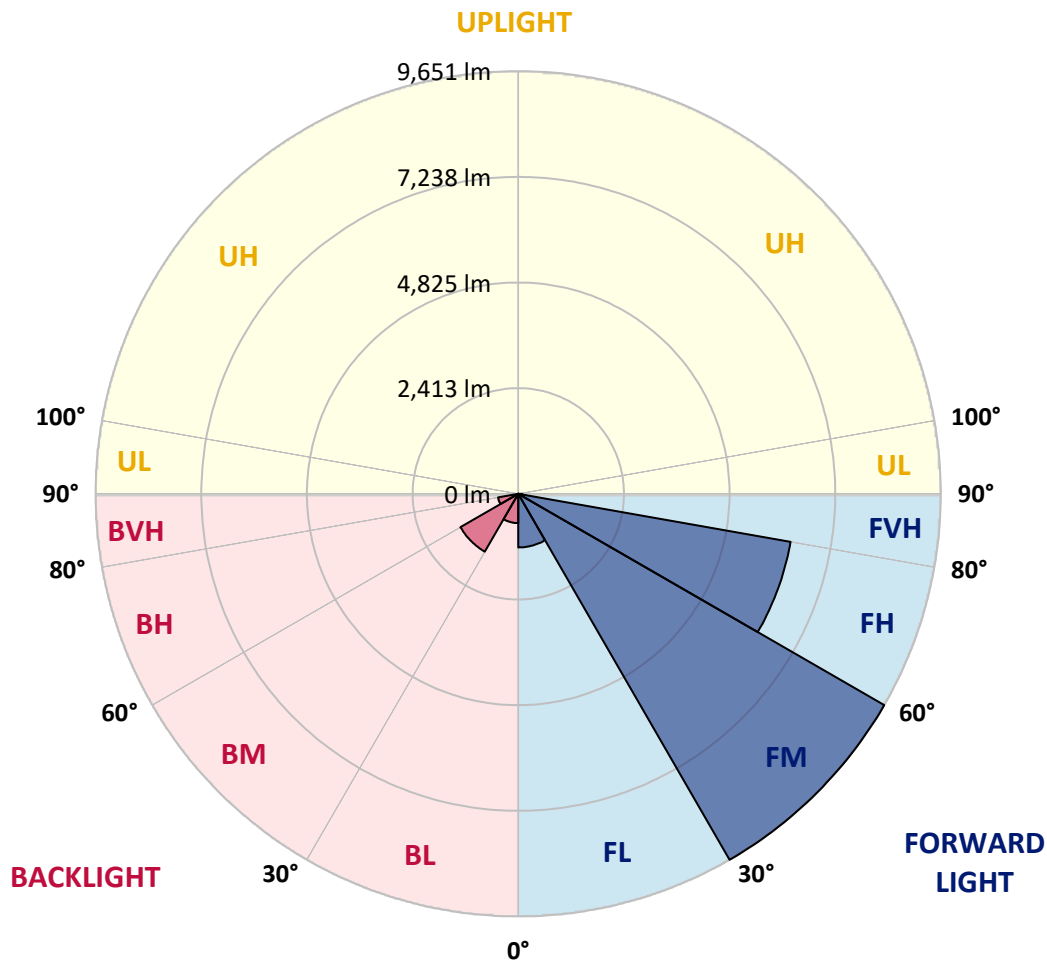
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1225.0	6.1			
FM (30°-60°)	9650.8	48.4			
FH (60°-80°)	6315.1	31.7			G3/7500
FVH (80°-90°)	89.4	0.4			G1/100
BL (0°-30°)	669.8	3.4	B2/1000		
BM (30°-60°)	1525.1	7.6	B2/2500		
BH (60°-80°)	468.2	2.3	B1/500		G1/500
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2320.2	2320.2	2320.2	2320.2	2320.2	2320.2	2320.2	2320.2	2320.2	2320.2
2.5°	2312.1	2328.2	2324.2	2320.2	2318.8	2321.5	2322.8	2321.5	2321.5	2321.5
5°	2268.0	2281.4	2281.4	2290.7	2304.1	2320.2	2332.2	2334.9	2337.5	2341.6
7.5°	2183.8	2194.5	2202.5	2233.2	2266.7	2309.5	2345.6	2364.3	2367.0	2381.7
10°	2126.3	2139.6	2153.0	2185.1	2233.2	2297.4	2358.9	2404.4	2411.1	2445.9
12.5°	2123.6	2137.0	2154.3	2189.1	2245.3	2313.5	2388.4	2453.9	2465.9	2516.7
15°	2151.7	2167.7	2183.8	2226.6	2286.7	2369.6	2449.9	2531.4	2543.5	2615.7
17.5°	2209.2	2230.6	2242.6	2285.4	2349.6	2441.9	2547.5	2641.1	2651.8	2736.0
20°	2322.8	2348.2	2352.3	2387.0	2449.9	2548.8	2674.5	2790.9	2804.3	2900.5
22.5°	2558.2	2594.3	2562.2	2579.6	2635.8	2734.7	2871.1	3018.2	3036.9	3146.6
25°	2972.7	3023.6	2940.7	2911.2	2935.3	3038.3	3209.4	3395.3	3416.7	3505.0
27.5°	3787.1	3721.6	3595.9	3472.9	3400.7	3459.5	3652.1	3882.1	3908.8	3994.4
30°	4681.8	4624.3	4454.4	4181.6	4010.5	4001.1	4179.0	4435.7	4466.5	4548.0
32.5°	5577.7	5522.9	5338.4	5002.7	4705.8	4558.7	4681.8	4966.6	4982.7	5034.8
35°	6459.0	6402.8	6218.3	5874.6	5509.5	5175.2	5151.2	5472.1	5477.4	5532.3
37.5°	7345.6	7298.8	7102.2	6765.2	6405.5	5944.2	5720.8	5950.8	5957.5	6011.0
40°	7978.1	7998.2	7863.1	7602.4	7293.5	6789.3	6360.0	6460.3	6420.2	6509.8
42.5°	8521.1	8561.2	8443.5	8312.5	8133.3	7689.3	7151.7	7134.3	7070.1	7118.3
45°	8990.5	9023.9	8918.2	8887.5	8883.5	8571.9	8016.9	7912.6	7823.0	7813.7
47.5°	9163.0	9227.1	9272.6	9375.6	9576.2	9445.1	8911.6	8749.7	8649.4	8575.9
50°	9228.5	9296.7	9451.8	9751.4	10226.1	10282.3	9802.2	9620.3	9497.3	9363.5
52.5°	9140.2	9261.9	9470.5	9974.7	10663.4	10953.6	10656.7	10497.6	10357.1	10139.2
55°	8620.0	8741.7	9168.3	9972.0	10881.3	11424.3	11464.4	11393.5	11235.7	10892.0
57.5°	7523.5	7704.0	8379.3	9632.3	10877.3	11829.5	12256.1	12306.9	12130.4	11638.2
60°	6004.3	6249.1	7072.8	8879.5	10541.7	12048.8	12950.1	13204.2	13017.0	12373.7
62.5°	4189.7	4473.2	5252.8	7700.0	9774.1	11891.0	13456.9	13926.3	13784.6	13031.7
65°	2555.5	2646.5	3275.0	6059.2	8468.9	11230.4	13613.4	14316.8	14270.0	13434.2
67.5°	1702.3	1778.6	1959.1	4154.9	6574.0	9910.5	13239.0	14248.6	14262.0	13368.7
70°	1025.7	1091.2	1208.9	2416.4	4260.5	7844.4	12079.5	13379.4	13456.9	12492.8
72.5°	422.6	466.7	573.7	1095.2	2206.5	4978.6	9619.0	11487.1	11667.7	10504.2
75°	239.4	262.1	337.0	549.6	957.5	2320.2	5826.5	8154.7	8420.8	7240.0
77.5°	159.1	169.8	218.0	355.7	538.9	791.7	2490.0	4248.5	4756.7	3954.3
80°	107.0	116.3	149.8	238.0	350.4	339.7	793.0	1574.0	1936.4	1358.7
82.5°	72.2	73.5	107.0	156.5	222.0	164.5	234.0	489.4	615.1	393.2
85°	41.5	40.1	78.9	90.9	99.0	68.2	70.9	147.1	192.6	165.8
87.5°	5.3	8.0	30.8	24.1	13.4	14.7	14.7	25.4	37.4	40.1
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°
2320.2	0°	2320.2	2320.2	2320.2	2320.2	2320.2	2320.2	2320.2	2320.2	2320.2	2320.2
2322.8	2.5°	2322.8	2321.5	2317.5	2313.5	2304.1	2298.8	2301.4	2298.8	2297.4	2298.8
2340.2	5°	2340.2	2336.2	2325.5	2312.1	2293.4	2270.7	2256.0	2234.6	2214.5	2202.5
2387.0	7.5°	2387.0	2383.0	2368.3	2330.9	2270.7	2175.7	2088.8	2012.6	1955.1	1921.7
2461.9	10°	2461.9	2455.2	2432.5	2349.6	2191.8	1984.5	1812.0	1668.9	1575.3	1531.2
2550.2	12.5°	2550.2	2542.1	2502.0	2332.2	2042.0	1718.4	1480.4	1321.2	1234.3	1195.5
2651.8	15°	2654.5	2643.8	2564.9	2249.3	1824.0	1424.2	1206.2	1087.2	1031.0	996.3
2781.5	17.5°	2784.2	2765.5	2611.7	2124.9	1587.3	1199.5	1037.7	948.1	898.6	865.2
2951.3	20°	2952.7	2921.9	2649.1	1976.5	1369.4	1057.8	924.1	849.2	811.7	782.3
3192.1	22.5°	3188.0	3143.9	2694.6	1816.0	1215.6	960.2	839.8	785.0	754.2	720.8
3527.7	25°	3479.6	3427.4	2750.8	1667.6	1109.9	875.9	778.3	732.8	696.7	657.9
3967.7	27.5°	3887.4	3793.8	2817.6	1545.9	1019.0	803.7	722.1	671.3	629.9	597.8
4466.5	30°	4342.1	4188.3	2876.5	1472.3	936.1	736.8	648.6	597.8	559.0	536.2
4914.5	32.5°	4772.7	4564.1	2915.2	1440.2	861.2	660.6	568.3	513.5	484.1	477.4
5353.1	35°	5179.2	4903.8	2911.2	1409.5	794.3	584.4	489.4	433.3	410.5	414.6
5825.1	37.5°	5647.3	5266.2	2883.1	1361.3	739.5	514.8	421.2	371.8	351.7	353.0
6398.8	40°	6191.5	5684.7	2865.8	1270.4	679.3	450.7	365.1	325.0	310.2	304.9
7003.3	42.5°	6771.9	6089.9	2868.4	1167.4	604.4	393.2	326.3	292.9	279.5	275.5
7675.9	45°	7355.0	6476.4	2872.5	1060.5	525.5	349.0	298.2	270.1	262.1	256.8
8357.9	47.5°	7903.3	6805.4	2797.6	945.4	448.0	315.6	275.5	256.8	250.1	243.4
9042.6	50°	8414.1	7024.7	2617.0	811.7	386.5	288.8	258.1	244.7	238.0	231.3
9663.1	52.5°	8811.3	7059.4	2318.8	674.0	343.7	268.8	247.4	235.4	227.3	220.6
10164.6	55°	8987.8	6841.5	1894.9	545.6	310.2	251.4	236.7	224.7	215.3	208.6
10559.1	57.5°	8942.3	6382.8	1477.7	438.6	278.2	234.0	223.3	215.3	204.6	193.9
10878.7	60°	8719.0	5769.0	1113.9	365.1	248.7	215.3	208.6	201.9	187.2	171.2
11001.7	62.5°	8332.5	4997.4	794.3	302.2	216.6	193.9	191.2	185.9	164.5	135.1
10819.8	65°	7741.4	4059.9	534.9	251.4	185.9	169.8	171.2	161.8	133.7	100.3
10153.9	67.5°	6877.6	2968.7	342.3	205.9	155.1	141.8	143.1	137.7	113.7	85.6
8891.5	70°	5777.0	1965.8	223.3	156.5	124.4	109.7	117.7	119.0	96.3	69.5
6824.1	72.5°	4235.1	1160.7	156.5	116.3	90.9	76.2	96.3	99.0	77.6	52.2
4105.4	75°	2413.8	551.0	117.7	84.2	56.2	53.5	74.9	74.9	53.5	34.8
1777.2	77.5°	1013.6	230.0	82.9	54.8	32.1	30.8	50.8	46.8	26.7	16.0
433.3	80°	292.9	103.0	44.1	26.7	13.4	12.0	20.1	14.7	6.7	2.7
164.5	82.5°	115.0	45.5	17.4	10.7	5.3	5.3	2.7	0.0	0.0	0.0
93.6	85°	68.2	18.7	8.0	4.0	1.3	0.0	0.0	0.0	0.0	0.0
20.1	87.5°	17.4	4.0	2.7	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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2320.2
2304.1
2205.2
1923.0
1527.2
1191.5
997.6
862.5
777.0
715.4
653.9
591.1
532.2
481.4
414.6
358.4
303.6
274.1
256.8
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