

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: P849015

Luminaire Tested: **GLAN-SB5D-835-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849015  
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-SB5D-835-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 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: 31079 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

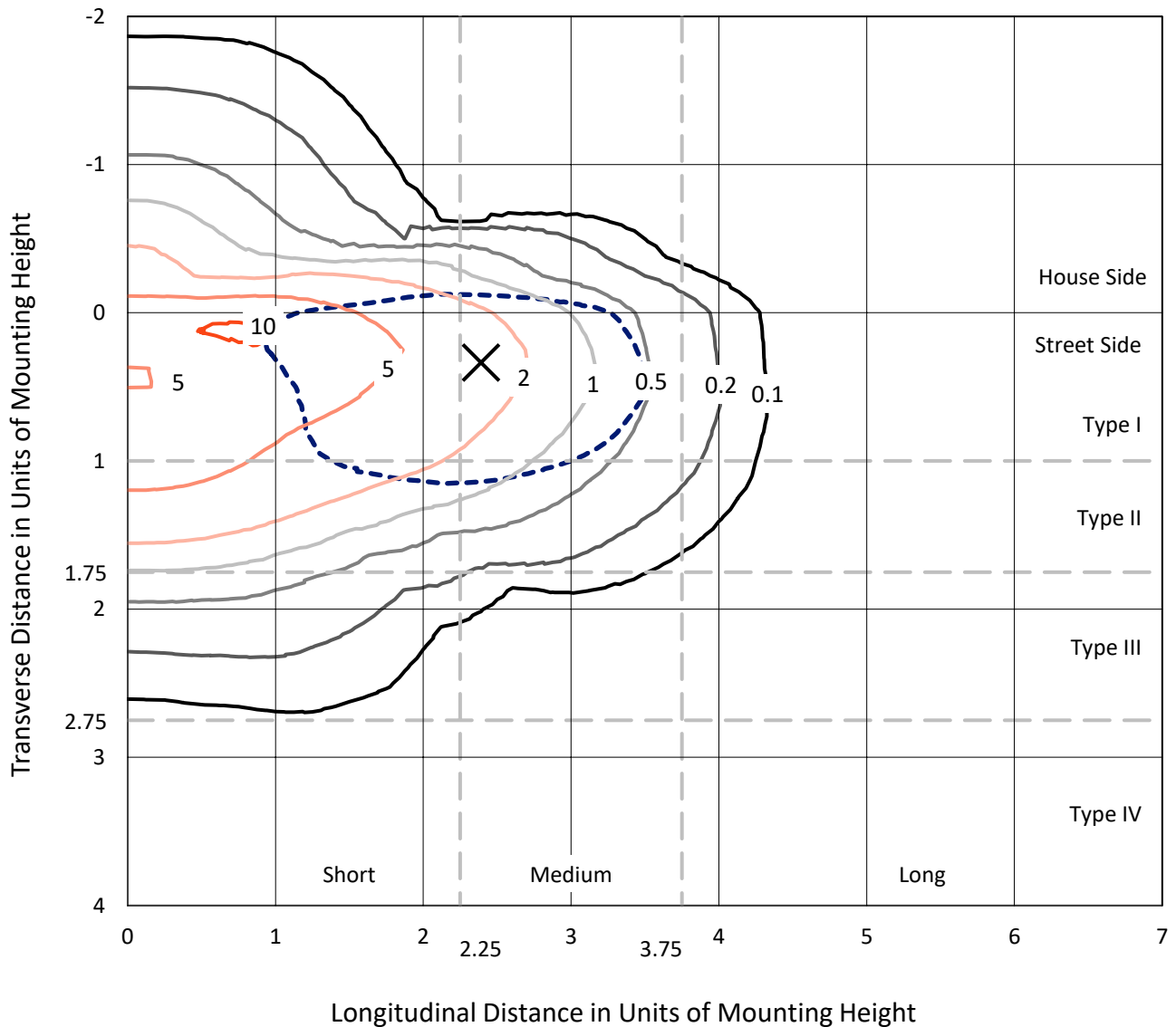
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

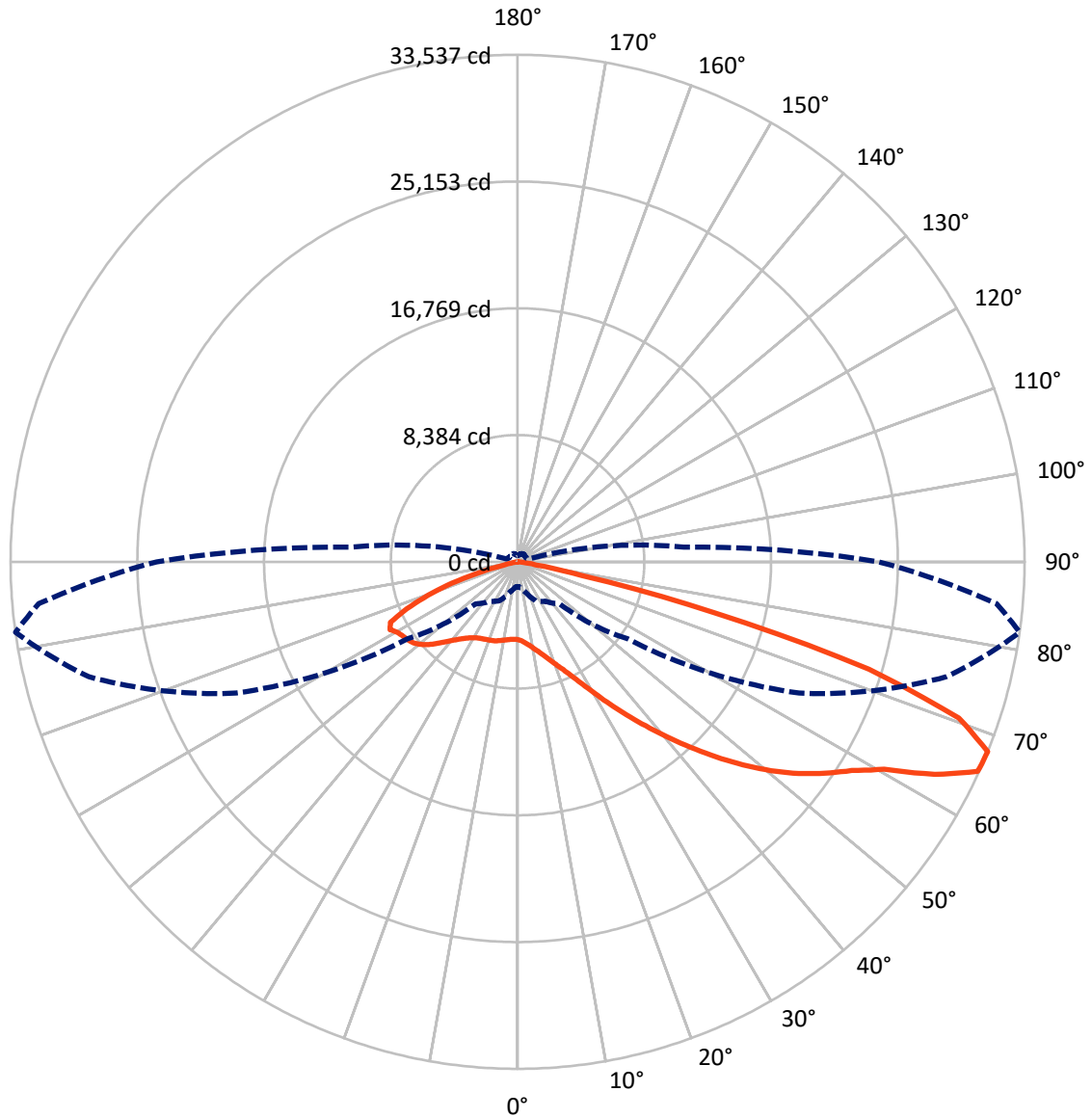
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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	5629.7	0.0	5629.7
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	25449.3	0.0	25449.3
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	31079.0	0.0	31079.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	458.7	1.5
10°-20°	1192.0	3.8
20°-30°	1909.2	6.1
30°-40°	3376.1	10.9
40°-50°	5915.2	19.0
50°-60°	7889.3	25.4
60°-70°	7344.5	23.6
70°-80°	2818.8	9.1
80°-90°	175.1	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°	31079.0	100.0
0°-180°	31079.0	100.0

**Coefficient of Utilization**

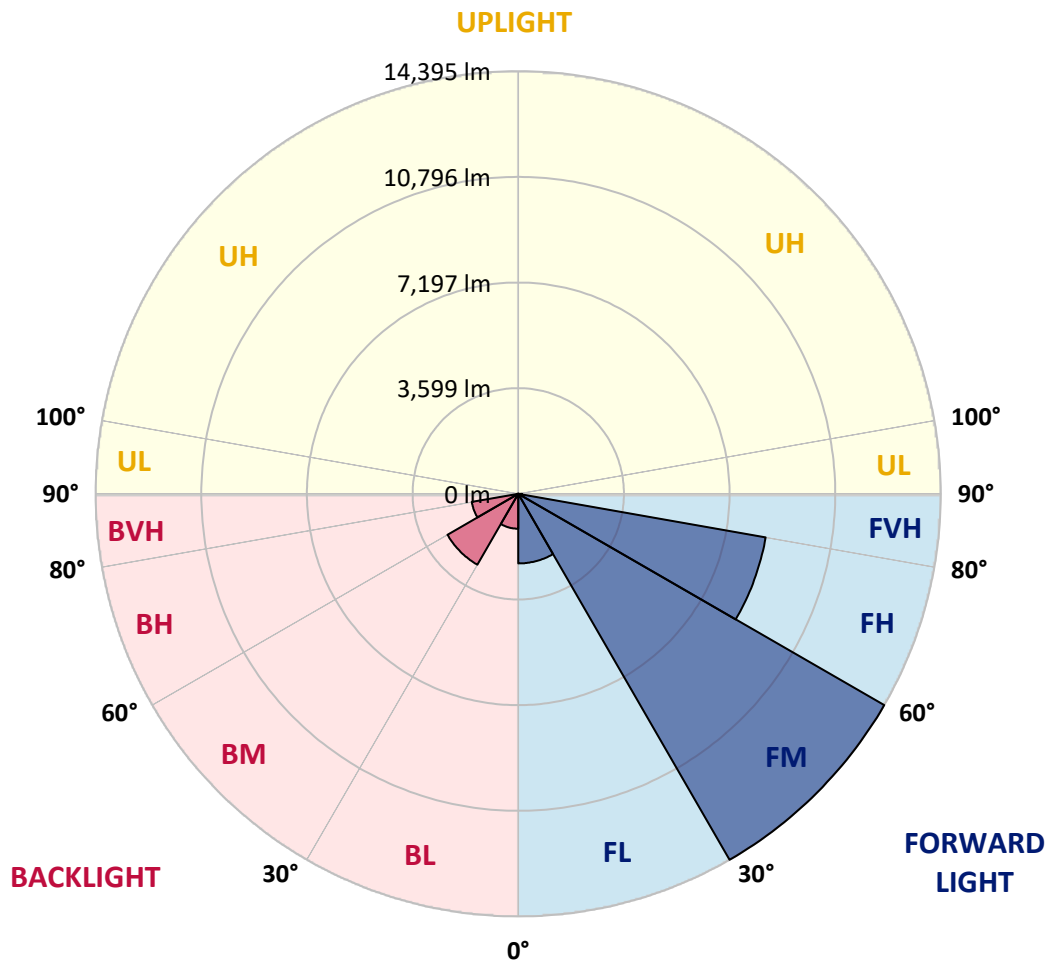


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2371.0	7.6			
FM (30°-60°)	14394.5	46.3			
FH (60°-80°)	8556.5	27.5			G4/12000
FVH (80°-90°)	127.3	0.4			G2/225
BL (0°-30°)	1189.0	3.8	B3/2500		
BM (30°-60°)	2786.1	9.0	B3/5000		
BH (60°-80°)	1606.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	47.8	0.2			G1/100
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°	5148.7	5148.7	5148.7	5148.7	5148.7	5148.7	5148.7	5148.7	5148.7	5148.7
2.5°	5441.9	5473.2	5455.3	5446.3	5430.7	5408.3	5390.4	5334.5	5276.3	5238.2
5°	5551.5	5582.8	5580.6	5589.5	5600.7	5607.4	5603.0	5540.3	5457.5	5392.6
7.5°	5457.5	5493.3	5522.4	5567.2	5645.5	5728.3	5768.6	5755.1	5670.1	5580.6
10°	5191.3	5229.3	5298.7	5403.8	5569.4	5748.4	5898.3	5967.7	5914.0	5815.5
12.5°	4703.5	4741.5	4878.0	5106.2	5383.7	5694.7	5981.1	6166.9	6180.3	6081.8
15°	4155.2	4193.3	4338.7	4625.1	5048.0	5547.0	6025.9	6377.2	6495.8	6410.8
17.5°	3815.1	3848.7	3958.3	4188.8	4629.6	5251.7	6010.2	6600.9	6871.7	6804.6
20°	3712.2	3741.3	3792.7	3953.9	4320.8	4945.1	5907.3	6811.3	7276.7	7238.7
22.5°	3821.8	3848.7	3864.4	3936.0	4166.4	4743.7	5777.5	7026.1	7746.6	7751.1
25°	4074.7	4101.5	4083.6	4128.4	4229.1	4681.1	5728.3	7278.9	8337.3	8386.6
27.5°	4490.9	4493.1	4450.6	4448.4	4464.0	4775.1	5779.7	7549.7	9082.5	9174.2
30°	5325.5	5291.9	5128.6	4951.8	4871.3	5057.0	5923.0	7869.7	9961.8	10125.2
32.5°	6612.1	6562.9	6263.1	5840.2	5415.0	5511.2	6180.3	8234.4	10919.5	11214.9
35°	8008.4	7995.0	7681.7	7052.9	6310.1	6157.9	6598.7	8713.2	11964.5	12434.4
37.5°	9306.2	9299.5	9120.5	8379.8	7475.9	7059.7	7270.0	9339.8	13083.3	13763.5
40°	10492.1	10512.3	10333.3	9670.9	8760.2	8216.5	8182.9	10114.0	14327.4	15211.3
42.5°	11517.0	11539.4	11358.1	10868.1	10029.0	9496.4	9304.0	11062.7	15542.4	16766.4
45°	12212.9	12351.6	12324.8	11933.2	11331.3	10778.6	10651.0	12253.1	16927.5	18415.5
47.5°	12409.8	12537.3	12738.7	12792.4	12425.4	11881.7	12033.9	13687.5	18328.3	20066.9
50°	11924.2	12042.8	12461.2	13018.4	13273.5	13105.7	13378.7	15224.7	19762.6	21713.8
52.5°	10966.5	11087.4	11615.4	12497.0	13537.5	14065.6	14727.9	16739.6	21152.1	23273.4
55°	9581.4	9709.0	10387.0	11385.0	13034.1	14461.7	15853.5	18252.2	22425.3	24676.4
57.5°	7697.4	7791.4	8496.2	9892.5	11767.6	14067.8	16683.6	19903.5	23624.7	26054.7
60°	5016.7	5099.5	5918.5	7475.9	9668.7	12752.1	16849.2	21745.1	25217.9	27847.0
62.5°	3336.3	3392.2	3877.8	5021.2	6809.0	10225.9	15880.3	23215.2	27553.9	30966.3
65°	2289.1	2345.0	2830.6	3627.2	4399.1	6764.3	13094.5	23020.5	29670.7	33443.3
67.5°	1633.5	1680.4	2092.2	2844.0	3184.1	3929.2	8876.6	20532.3	29366.4	33537.3
70°	1170.3	1197.1	1537.2	2215.2	2530.7	2360.7	4936.2	15703.5	25712.4	30968.5
72.5°	819.0	827.9	1067.3	1687.2	2038.5	1723.0	2349.5	10469.8	19447.1	24307.1
75°	554.9	566.1	718.3	1237.4	1635.7	1315.7	1244.1	5614.2	11416.3	13454.7
77.5°	340.1	344.6	463.2	845.8	1224.0	1002.4	801.1	2378.6	4417.0	4336.5
80°	192.4	192.4	295.4	525.8	834.6	646.7	561.6	1011.4	1398.5	1228.4
82.5°	107.4	109.6	214.8	326.7	552.7	382.6	308.8	467.7	604.2	534.8
85°	44.8	49.2	132.0	154.4	264.0	190.2	125.3	196.9	223.8	199.1
87.5°	4.5	6.7	40.3	29.1	31.3	38.0	17.9	38.0	31.3	31.3
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°
5148.7	0°	5148.7	5148.7	5148.7	5148.7	5148.7	5148.7	5148.7	5148.7	5148.7	5148.7
5224.8	2.5°	5182.3	5148.7	5063.7	4965.3	4835.5	4772.8	4687.8	4629.6	4580.4	4584.9
5354.6	5°	5283.0	5198.0	5007.8	4770.6	4475.2	4264.9	4041.1	3886.7	3761.4	3734.6
5533.6	7.5°	5421.7	5287.5	4954.1	4526.7	4027.7	3649.5	3311.7	3094.6	2940.2	2891.0
5750.7	10°	5600.7	5406.1	4884.7	4220.1	3501.9	3020.8	2658.3	2488.2	2383.1	2347.3
6005.7	12.5°	5808.8	5542.6	4793.0	3846.5	2960.4	2497.2	2266.7	2181.7	2148.1	2136.9
6319.0	15°	6070.6	5712.6	4654.2	3403.4	2501.6	2177.2	2078.7	2067.6	2072.0	2067.6
6694.9	17.5°	6381.7	5898.3	4428.2	2946.9	2192.9	2013.8	1978.0	1987.0	1998.2	1995.9
7115.6	20°	6721.8	6081.8	4139.6	2541.9	1982.5	1897.5	1877.4	1886.3	1895.3	1890.8
7601.2	22.5°	7108.9	6278.7	3819.6	2226.4	1841.6	1790.1	1767.7	1769.9	1769.9	1761.0
8216.5	25°	7572.1	6495.8	3484.0	2002.7	1734.1	1693.9	1667.0	1658.1	1644.6	1617.8
8963.9	27.5°	8124.8	6726.3	3161.7	1846.0	1649.1	1611.1	1579.8	1557.4	1523.8	1479.1
9861.1	30°	8746.8	7006.0	2888.8	1747.6	1582.0	1544.0	1508.1	1474.6	1425.4	1369.4
10892.7	32.5°	9478.5	7305.8	2689.6	1682.7	1521.6	1481.3	1438.8	1398.5	1344.8	1288.9
12051.8	35°	10351.2	7668.3	2573.3	1637.9	1474.6	1420.9	1373.9	1329.1	1288.9	1239.6
13311.5	37.5°	11297.7	8053.2	2537.4	1615.6	1443.3	1360.5	1306.8	1275.4	1271.0	1241.9
14674.2	40°	12333.7	8509.6	2564.3	1602.1	1409.7	1302.3	1244.1	1237.4	1248.6	1197.1
16130.9	42.5°	13430.1	9051.1	2609.1	1586.5	1362.7	1244.1	1188.2	1188.2	1179.2	1107.6
17670.4	45°	14616.1	9675.4	2653.8	1548.4	1306.8	1185.9	1143.4	1127.8	1089.7	1020.3
19218.8	47.5°	15810.9	10310.9	2687.4	1479.1	1239.6	1136.7	1098.7	1062.9	1006.9	944.3
20738.2	50°	16945.4	10881.5	2651.6	1376.1	1163.6	1089.7	1049.4	1000.2	939.8	897.3
22176.9	52.5°	17959.1	11376.0	2499.4	1255.3	1083.0	1040.5	1004.7	953.2	904.0	859.2
23474.8	55°	18840.7	11776.5	2230.9	1141.2	1011.4	998.0	962.2	897.3	830.2	792.1
24761.4	57.5°	19686.5	12080.9	1895.3	1047.2	946.5	951.0	897.3	839.1	776.5	736.2
26495.5	60°	20812.0	12488.1	1555.1	959.9	877.1	890.6	832.4	789.9	711.6	660.1
29469.3	62.5°	22611.0	13121.3	1235.2	852.5	796.6	801.1	776.5	725.0	631.0	570.6
31673.4	65°	24038.6	12888.6	973.4	736.2	704.8	711.6	711.6	655.6	554.9	485.6
31792.0	67.5°	23877.5	11035.9	776.5	622.1	617.6	622.1	637.7	590.7	492.3	436.3
29370.9	70°	21995.7	8778.1	622.1	516.9	537.0	525.8	570.6	539.3	443.0	387.1
22769.9	72.5°	17947.9	6323.5	474.4	427.4	411.7	429.6	514.7	485.6	369.2	306.6
12060.7	75°	10487.7	3374.3	353.5	337.9	297.6	358.0	456.5	414.0	281.9	226.0
3696.5	77.5°	3414.6	1177.0	259.6	248.4	221.5	288.7	389.3	349.1	230.5	179.0
1083.0	80°	915.2	355.8	176.8	163.3	143.2	214.8	308.8	277.5	165.6	116.4
465.4	82.5°	367.0	149.9	102.9	91.7	78.3	147.7	243.9	223.8	123.1	73.8
145.4	85°	118.6	49.2	38.0	29.1	35.8	91.7	145.4	152.2	87.3	38.0
22.4	87.5°	15.7	6.7	6.7	9.0	6.7	15.7	44.8	42.5	24.6	4.5
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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<u>180°</u>
5148.7
4540.1
3674.2
2841.8
2320.4
2130.2
2065.3
1991.5
1888.5
1756.5
1613.3
1474.6
1364.9
1291.1
1235.2
1239.6
1199.4
1107.6
1018.1
942.0
890.6
854.8
787.6
731.7
653.4
566.1
478.8
427.4
380.4
299.8
219.3
172.3
114.1
73.8
29.1
0.0
0.0

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