

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: P850987

Luminaire Tested: **GLAN-SB8D-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850987  
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-SB8D-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

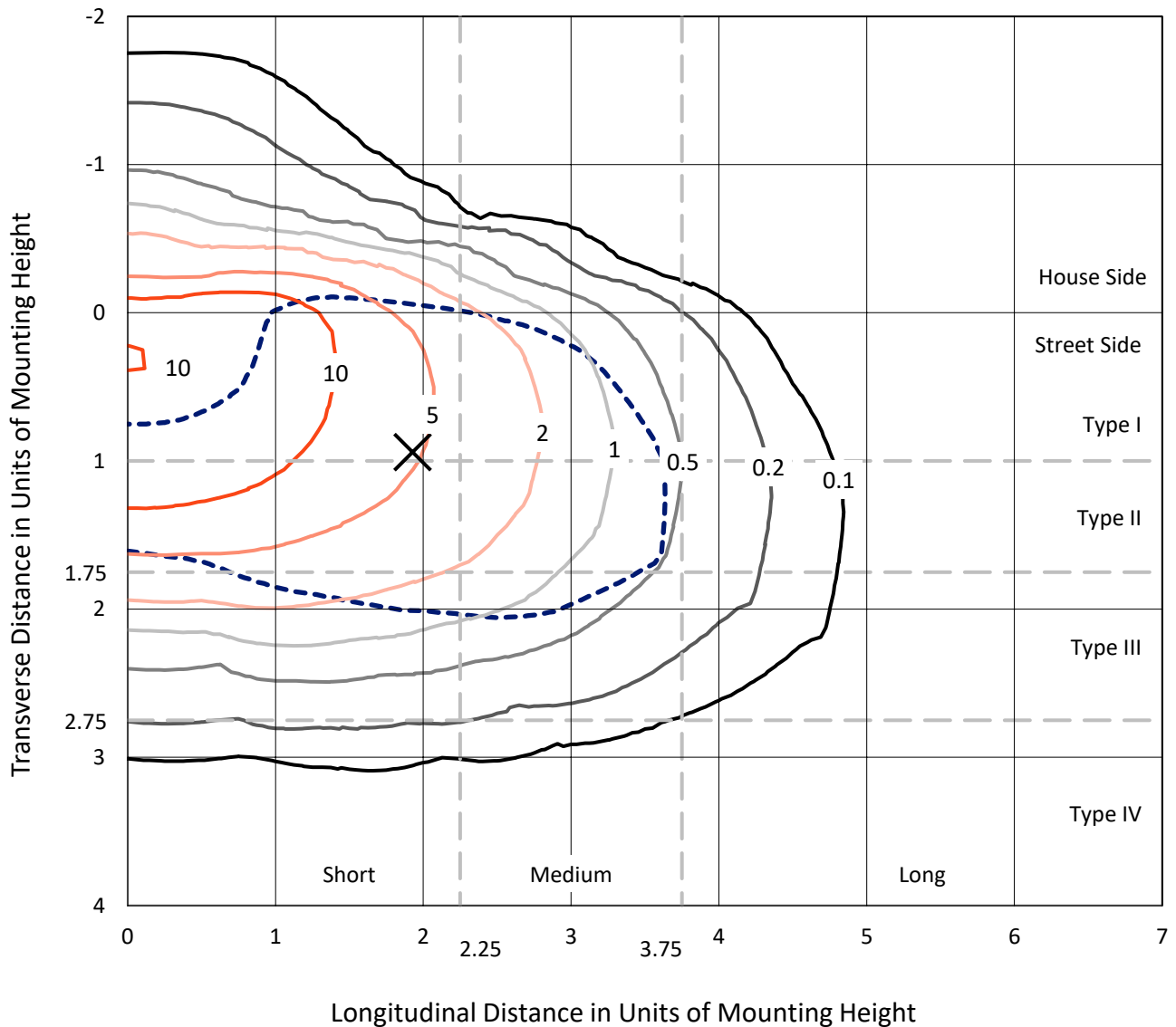
Lumens per Lamp: N/A  
Luminaire Lumens: 62338 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): 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

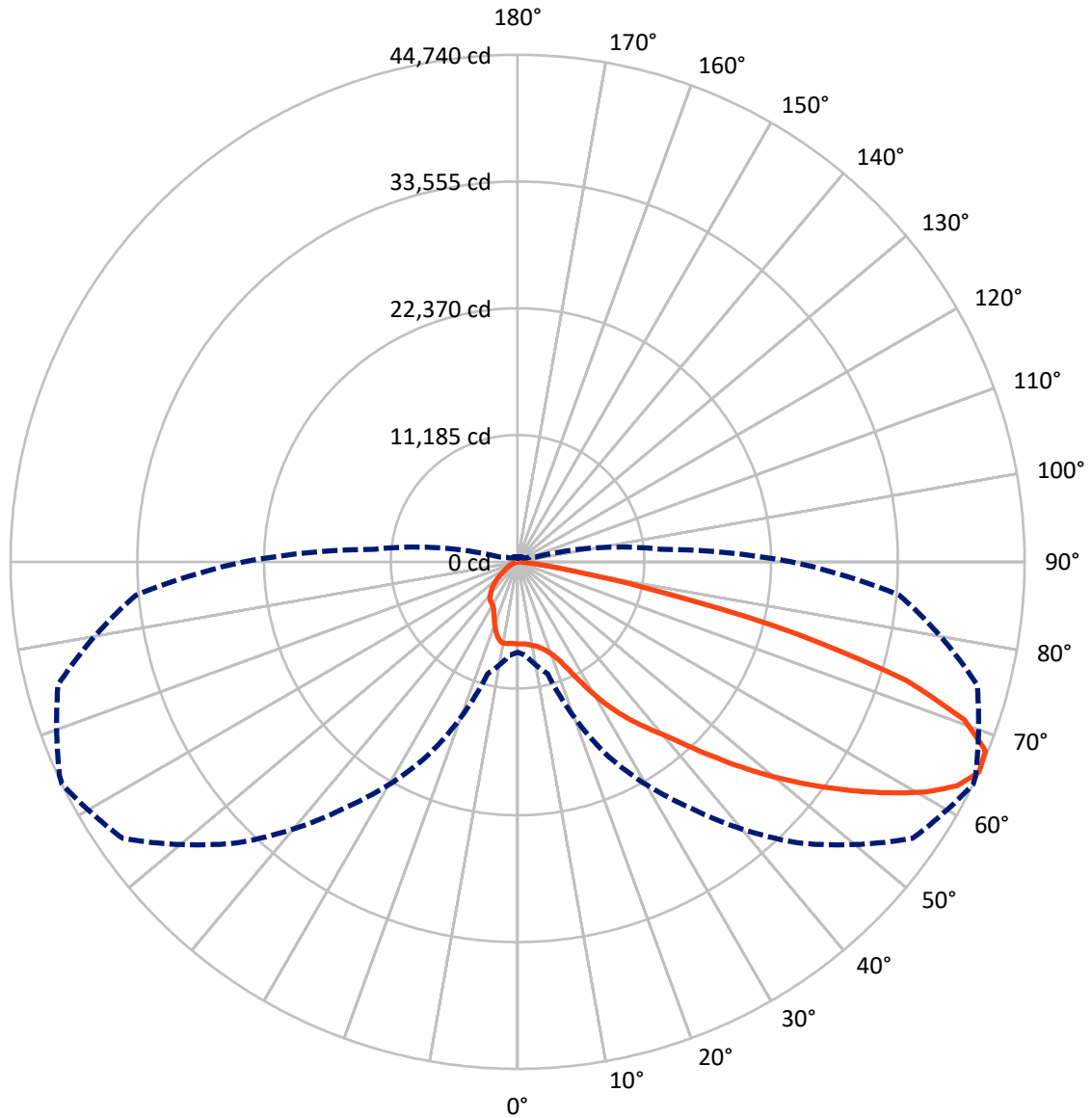
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 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	8336.5	0.0	8336.5
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	54001.5	0.0	54001.5
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	62338.0	0.0	62338.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	668.9	1.1
10°-20°	1814.4	2.9
20°-30°	3438.0	5.5
30°-40°	6957.0	11.2
40°-50°	11851.2	19.0
50°-60°	16116.8	25.9
60°-70°	15134.5	24.3
70°-80°	6063.5	9.7
80°-90°	293.8	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°	62338.0	100.0
0°-180°	62338.0	100.0

**Coefficient of Utilization**



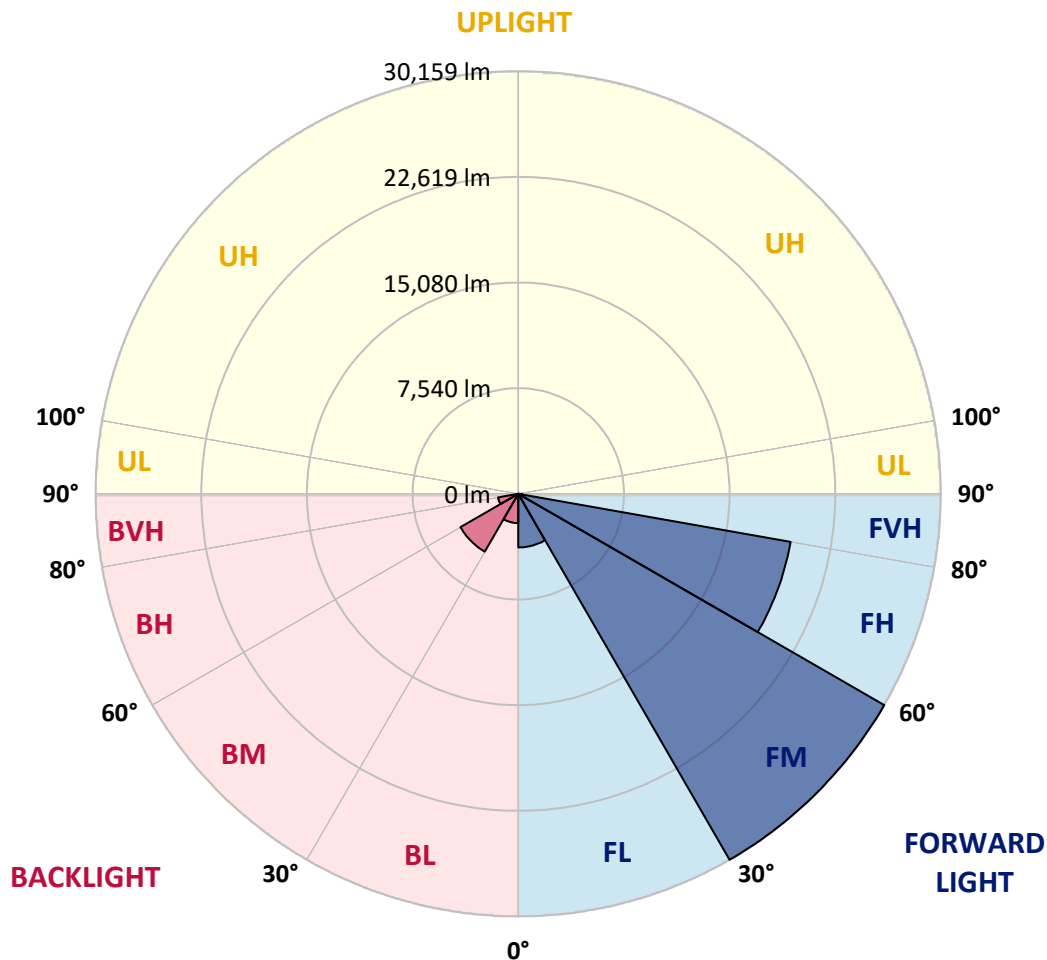
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3828.3	6.1			
FM (30°-60°)	30159.0	48.4			
FH (60°-80°)	19734.8	31.7			G5
FVH (80°-90°)	279.4	0.4			G3/500
BL (0°-30°)	2093.0	3.4	B3/2500		
BM (30°-60°)	4765.9	7.6	B3/5000		
BH (60°-80°)	1463.2	2.3	B3/2500		G3/2500
BVH (80°-90°)	14.3	0.0			G1/100
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°	7250.6	7250.6	7250.6	7250.6	7250.6	7250.6	7250.6	7250.6	7250.6	7250.6
2.5°	7225.5	7275.6	7263.1	7250.6	7246.4	7254.7	7258.9	7254.7	7254.7	7254.7
5°	7087.6	7129.4	7129.4	7158.6	7200.4	7250.6	7288.2	7304.9	7317.4	7317.4
7.5°	6824.3	6857.7	6882.8	6978.9	7083.4	7217.1	7330.0	7396.8	7442.8	7442.8
10°	6644.6	6686.4	6728.2	6828.5	6978.9	7179.5	7371.7	7534.7	7643.4	7643.4
12.5°	6636.2	6678.0	6732.4	6841.0	7016.5	7229.7	7463.7	7706.1	7864.9	7864.9
15°	6724.0	6774.2	6824.3	6958.0	7146.1	7405.2	7655.9	7948.4	8174.1	8174.1
17.5°	6903.7	6970.6	7008.2	7141.9	7342.5	7630.8	7961.0	8286.9	8550.2	8550.2
20°	7258.9	7338.3	7350.9	7459.5	7655.9	7965.2	8358.0	8763.4	9064.2	9064.2
22.5°	7994.4	8107.3	8007.0	8061.3	8236.8	8546.0	8972.3	9490.5	9833.2	9833.2
25°	9289.9	9448.7	9189.6	9097.7	9172.9	9494.7	10029.6	10677.3	10953.1	10953.1
27.5°	11834.9	11630.1	11237.3	10852.9	10627.2	10811.1	11412.8	12215.2	12482.7	12482.7
30°	14630.7	14451.0	13920.2	13067.7	12532.8	12503.6	13059.4	13957.8	14212.8	14212.8
32.5°	17430.6	17259.3	16682.5	15633.6	14705.9	14246.2	14630.7	15570.9	15733.9	15733.9
35°	20184.5	20009.0	19432.3	18358.3	17217.5	16172.7	16097.5	17117.2	17288.5	17288.5
37.5°	22955.2	22809.0	22194.6	21141.5	20017.4	18575.6	17877.7	18617.4	18784.6	18784.6
40°	24931.9	24994.6	24572.5	23757.6	22792.2	21216.8	19875.3	20063.4	20343.3	20343.3
42.5°	26628.6	26753.9	26386.2	25976.6	25416.6	24029.2	22349.3	22094.3	22244.8	22244.8
45°	28095.4	28199.9	27869.7	27773.6	27761.1	26787.4	25053.1	24447.1	24417.9	24417.9
47.5°	28634.5	28835.1	28977.2	29298.9	29925.8	29516.2	27848.8	27029.7	26799.9	26799.9
50°	28839.2	29052.4	29537.1	30473.2	31956.8	32132.3	30632.0	29679.2	29261.3	29261.3
52.5°	28563.4	28943.7	29595.6	31171.1	33323.3	34230.1	33302.4	32366.3	31685.1	31685.1
55°	26937.8	27318.1	28651.2	31162.8	34004.5	35701.2	35826.5	35111.9	34037.9	34037.9
57.5°	23511.0	24075.2	26185.6	30101.3	33991.9	36967.4	38300.5	37907.7	36369.8	36369.8
60°	18763.7	19528.4	22102.7	27748.5	32943.0	37652.7	40469.4	40678.3	38668.2	38668.2
62.5°	13092.8	13978.7	16415.1	24062.7	30544.3	37159.6	42053.2	43077.1	40724.3	40724.3
65°	7986.1	8270.2	10234.4	18935.0	26465.6	35095.2	42542.2	44594.1	41982.2	41982.2
67.5°	5319.9	5558.1	6122.2	12984.1	20543.9	30970.5	41372.1	44569.0	41777.4	41777.4
70°	3205.3	3410.1	3777.8	7551.4	13314.3	24514.0	37748.9	42053.2	39040.2	39040.2
72.5°	1320.6	1458.5	1792.8	3422.6	6895.3	15558.4	30059.5	36461.7	32826.0	32826.0
75°	748.0	819.1	1053.1	1717.6	2992.2	7250.6	18207.9	26315.1	22625.1	22625.1
77.5°	497.3	530.7	681.2	1111.6	1684.1	2474.0	7781.3	14864.7	12357.3	12357.3
80°	334.3	363.6	468.0	743.9	1094.9	1061.5	2478.1	6051.2	4245.9	4245.9
82.5°	225.7	229.8	334.3	488.9	693.7	514.0	731.3	1922.3	1228.6	1228.6
85°	129.5	125.4	246.6	284.2	309.2	213.1	221.5	601.8	518.2	518.2
87.5°	16.7	25.1	96.1	75.2	41.8	46.0	46.0	117.0	125.4	125.4
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°
7250.6	0°	7250.6	7250.6	7250.6	7250.6	7250.6	7250.6	7250.6	7250.6	7250.6	7250.6
7258.9	2.5°	7258.9	7254.7	7242.2	7229.7	7200.4	7183.7	7192.1	7183.7	7179.5	7183.7
7313.2	5°	7313.2	7300.7	7267.3	7225.5	7167.0	7095.9	7050.0	6983.1	6920.4	6882.8
7459.5	7.5°	7459.5	7447.0	7401.0	7284.0	7095.9	6799.2	6527.6	6289.4	6109.7	6005.2
7693.5	10°	7693.5	7672.6	7601.6	7342.5	6849.4	6201.6	5662.5	5215.4	4922.9	4784.9
7969.3	12.5°	7969.3	7944.3	7818.9	7288.2	6381.3	5370.0	4626.1	4128.8	3857.2	3736.0
8286.9	15°	8295.3	8261.9	8015.3	7029.1	5700.1	4450.6	3769.5	3397.5	3222.0	3113.4
8692.3	17.5°	8700.7	8642.2	8161.6	6640.4	4960.5	3748.6	3242.9	2962.9	2808.3	2703.8
9223.0	20°	9227.2	9131.1	8278.6	6176.6	4279.3	3305.6	2887.7	2653.7	2536.7	2444.7
9975.3	22.5°	9962.7	9824.8	8420.7	5675.1	3798.7	3000.5	2624.4	2453.1	2357.0	2252.5
11024.2	25°	10873.7	10710.8	8596.2	5211.2	3468.6	2737.2	2432.2	2290.1	2177.3	2056.1
12399.1	27.5°	12148.3	11855.8	8805.1	4830.9	3184.4	2511.6	2256.7	2097.9	1968.3	1868.0
13957.8	30°	13569.2	13088.6	8989.0	4601.1	2925.3	2302.6	2026.8	1868.0	1746.8	1675.8
15357.8	32.5°	14914.8	14262.9	9110.2	4500.8	2691.3	2064.4	1776.1	1604.7	1512.8	1491.9
16728.5	35°	16185.2	15324.4	9097.7	4404.7	2482.3	1826.2	1529.5	1354.0	1283.0	1295.5
18203.7	37.5°	17647.9	16456.9	9009.9	4254.2	2311.0	1608.9	1316.4	1161.8	1099.1	1103.3
19996.5	40°	19348.7	17764.9	8955.6	3970.0	2122.9	1408.3	1140.9	1015.5	969.5	952.8
21885.4	42.5°	21162.4	19031.1	8963.9	3648.3	1888.9	1228.6	1019.7	915.2	873.4	860.9
23987.4	45°	22984.5	20238.9	8976.5	3313.9	1642.3	1090.7	931.9	844.2	819.1	802.4
26118.7	47.5°	24697.9	21266.9	8742.5	2954.5	1400.0	986.2	860.9	802.4	781.5	760.6
28258.4	50°	26294.2	21952.3	8178.3	2536.7	1207.7	902.7	806.5	764.8	743.9	723.0
30197.4	52.5°	27535.4	22060.9	7246.4	2106.2	1074.0	840.0	773.1	735.5	710.4	689.5
31764.5	55°	28087.0	21379.7	5921.6	1705.0	969.5	785.7	739.7	702.1	672.8	651.9
32997.3	57.5°	27944.9	19946.3	4617.8	1370.7	869.2	731.3	697.9	672.8	639.4	606.0
33996.1	60°	27247.0	18028.2	3481.1	1140.9	777.3	672.8	651.9	631.0	585.1	534.9
34380.6	62.5°	26039.3	15616.9	2482.3	944.5	677.0	606.0	597.6	580.9	514.0	422.1
33812.3	65°	24192.2	12687.4	1671.6	785.7	580.9	530.7	534.9	505.7	417.9	313.4
31731.1	67.5°	21492.6	9277.4	1069.8	643.6	484.8	443.0	447.2	430.4	355.2	267.5
27786.1	70°	18053.3	6143.1	697.9	488.9	388.6	342.7	367.8	371.9	300.9	217.3
21325.4	72.5°	13234.9	3627.4	488.9	363.6	284.2	238.2	300.9	309.2	242.4	163.0
12829.5	75°	7543.1	1721.7	367.8	263.3	175.5	167.2	234.0	234.0	167.2	108.7
5553.9	77.5°	3167.7	718.8	259.1	171.3	100.3	96.1	158.8	146.3	83.6	50.1
1354.0	80°	915.2	321.8	137.9	83.6	41.8	37.6	62.7	46.0	20.9	8.4
514.0	82.5°	359.4	142.1	54.3	33.4	16.7	16.7	8.4	0.0	0.0	0.0
292.5	85°	213.1	58.5	25.1	12.5	4.2	0.0	0.0	0.0	0.0	0.0
62.7	87.5°	54.3	12.5	8.4	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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7250.6
7200.4
6891.2
6009.4
4772.4
3723.5
3117.5
2695.5
2428.0
2235.8
2043.5
1847.1
1663.2
1504.4
1295.5
1120.0
948.6
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760.6
723.0
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