

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: P851097

Luminaire Tested: **GLAN-SB8D-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851097
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-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 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: 43538 lumens
Efficiency: N/A
Efficacy: 74.4 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

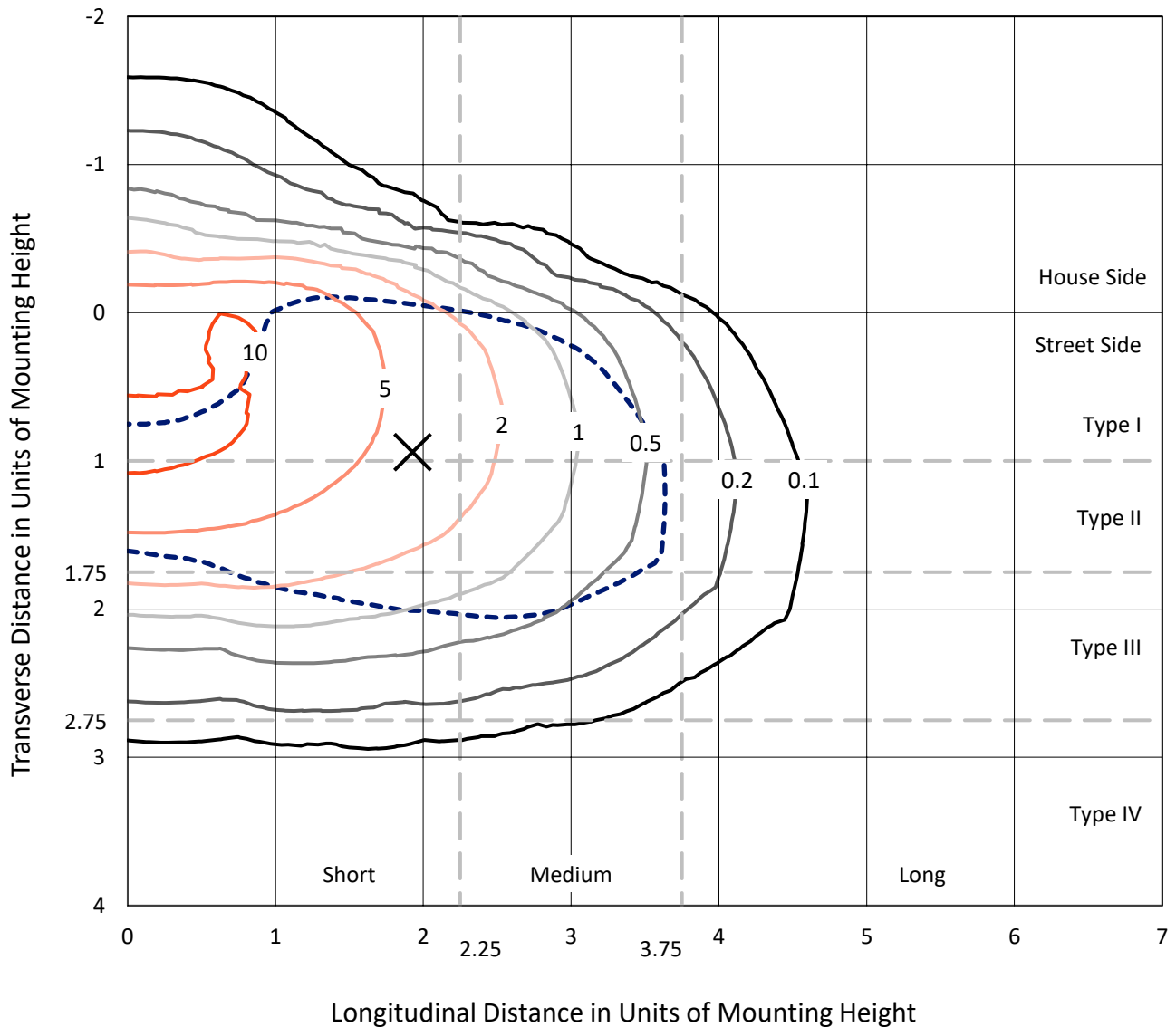
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

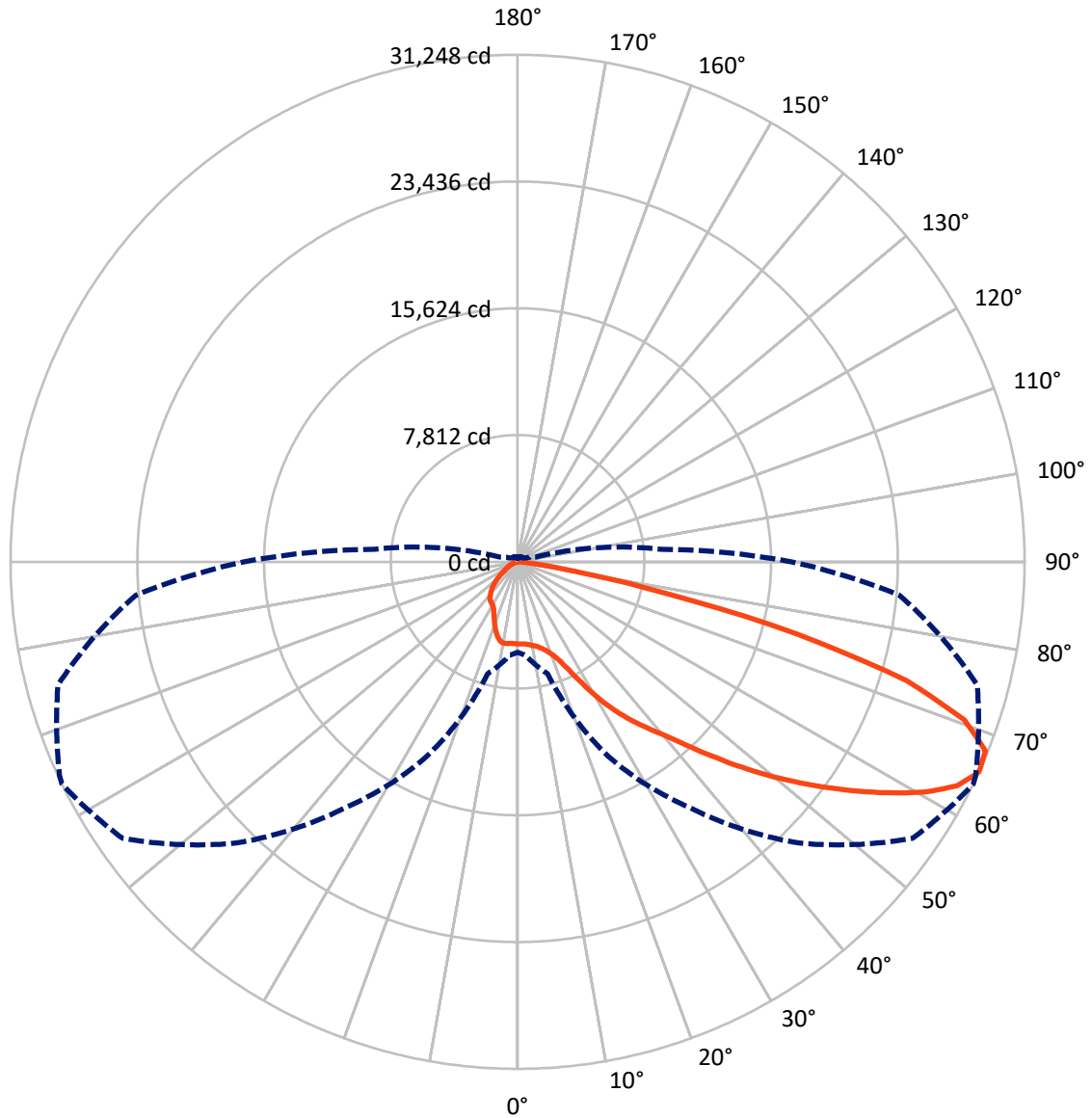
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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
House Side	Lumens	5822.3	0.0	5822.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	37715.6	0.0	37715.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	43538.0	0.0	43538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.2	1.1
10°-20°	1267.2	2.9
20°-30°	2401.2	5.5
30°-40°	4858.9	11.2
40°-50°	8277.1	19.0
50°-60°	11256.2	25.9
60°-70°	10570.2	24.3
70°-80°	4234.9	9.7
80°-90°	205.2	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°	43538.0	100.0
0°-180°	43538.0	100.0

Coefficient of Utilization



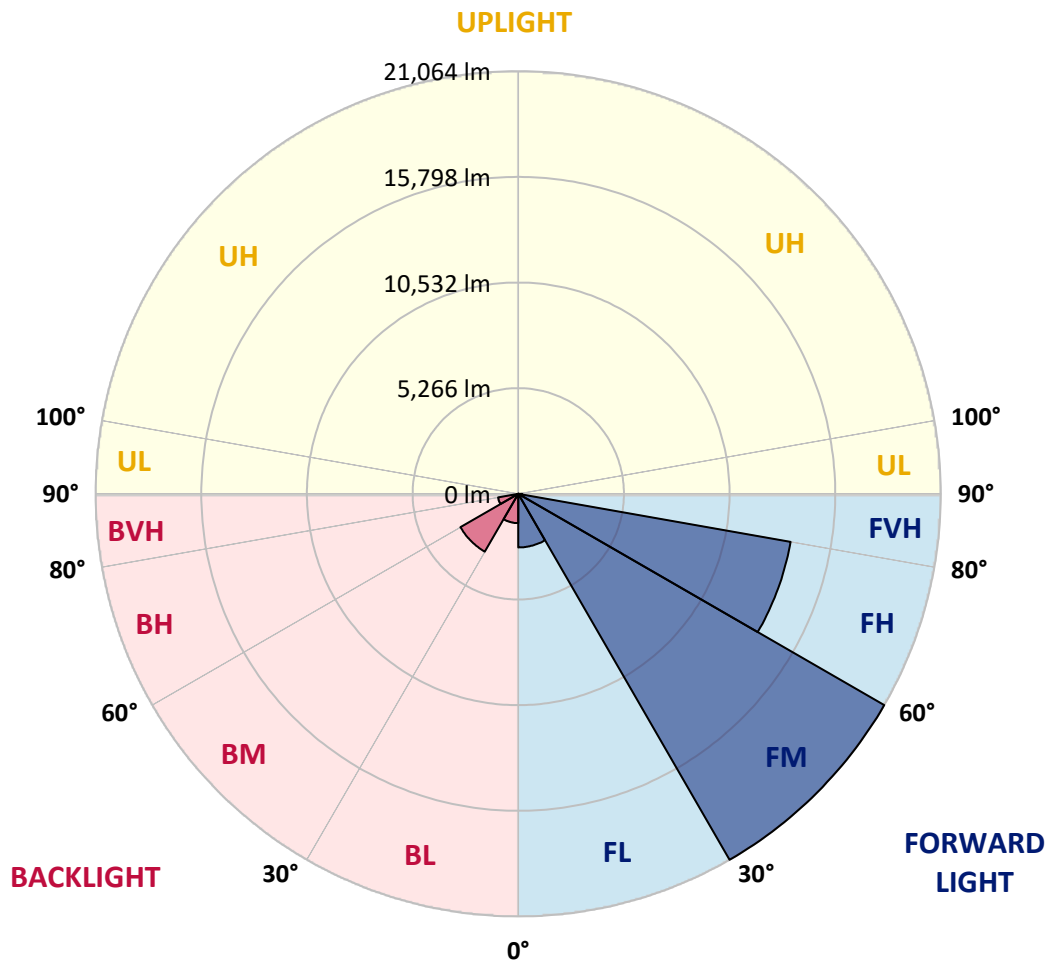
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2673.7	6.1			
FM (30°-60°)	21063.6	48.4			
FH (60°-80°)	13783.1	31.7			G5
FVH (80°-90°)	195.1	0.4			G2/225
BL (0°-30°)	1461.8	3.4	B3/2500		
BM (30°-60°)	3328.6	7.6	B3/5000		
BH (60°-80°)	1021.9	2.3	B3/2500		G3/2500
BVH (80°-90°)	10.0	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°	5063.9	5063.9	5063.9	5063.9	5063.9	5063.9	5063.9	5063.9	5063.9	5063.9
2.5°	5046.4	5081.4	5072.7	5063.9	5061.0	5066.8	5069.8	5066.8	5066.8	5066.8
5°	4950.1	4979.3	4979.3	4999.7	5028.9	5063.9	5090.2	5096.0	5101.9	5110.6
7.5°	4766.2	4789.6	4807.1	4874.2	4947.2	5040.6	5119.4	5160.2	5166.1	5198.2
10°	4640.7	4669.9	4699.1	4769.1	4874.2	5014.3	5148.6	5247.8	5262.4	5338.3
12.5°	4634.9	4664.1	4702.0	4777.9	4900.5	5049.3	5212.8	5355.8	5382.1	5493.0
15°	4696.2	4731.2	4766.2	4859.6	4991.0	5171.9	5347.0	5525.1	5551.3	5709.0
17.5°	4821.7	4868.4	4894.6	4988.0	5128.1	5329.5	5560.1	5764.4	5787.8	5971.6
20°	5069.8	5125.2	5134.0	5209.9	5347.0	5563.0	5837.4	6091.3	6120.5	6330.6
22.5°	5583.4	5662.3	5592.2	5630.1	5752.7	5968.7	6266.4	6587.5	6628.3	6867.7
25°	6488.2	6599.2	6418.2	6354.0	6406.5	6631.3	7004.8	7410.5	7457.2	7649.9
27.5°	8265.7	8122.7	7848.3	7579.8	7422.2	7550.6	7970.9	8472.9	8531.3	8718.1
30°	10218.3	10092.8	9722.1	9126.7	8753.1	8732.7	9120.9	9681.3	9748.4	9926.5
32.5°	12173.8	12054.2	11651.4	10918.8	10270.9	9949.8	10218.3	10840.0	10875.0	10988.9
35°	14097.3	13974.7	13571.9	12821.8	12025.0	11295.3	11242.8	11943.3	11954.9	12074.6
37.5°	16032.3	15930.2	15501.1	14765.6	13980.5	12973.6	12486.1	12988.2	13002.7	13119.5
40°	17412.9	17456.7	17161.9	16592.7	15918.5	14818.2	13881.3	14100.2	14012.6	14208.2
42.5°	18597.9	18685.4	18428.6	18142.6	17751.5	16782.4	15609.1	15571.2	15431.1	15536.2
45°	19622.3	19695.3	19464.7	19397.6	19388.8	18708.8	17497.5	17269.9	17074.3	17053.9
47.5°	19998.8	20138.9	20238.2	20462.9	20900.7	20614.7	19450.1	19097.0	18878.1	18717.5
50°	20141.9	20290.7	20629.3	21283.1	22319.2	22441.8	21394.0	20997.0	20728.5	20436.6
52.5°	19949.2	20214.8	20670.1	21770.5	23273.6	23907.0	23259.0	22911.7	22605.2	22129.5
55°	18813.9	19079.5	20010.5	21764.6	23749.4	24934.3	25021.9	24867.2	24522.8	23772.7
57.5°	16420.5	16814.6	18288.5	21023.3	23740.6	25818.7	26749.8	26860.7	26475.4	25401.3
60°	13104.9	13639.0	15436.9	19380.1	23008.0	26297.4	28264.6	28819.1	28410.5	27006.6
62.5°	9144.2	9763.0	11464.6	16805.8	21332.7	25953.0	29370.7	30395.2	30085.8	28442.6
65°	5577.6	5776.1	7147.9	13224.6	18484.0	24511.1	29712.2	31247.5	31145.3	29321.1
67.5°	3715.5	3881.9	4275.9	9068.4	14348.3	21630.4	28895.0	31098.6	31127.8	29178.1
70°	2238.6	2381.6	2638.5	5274.1	9298.9	17121.0	26364.5	29201.5	29370.7	27266.4
72.5°	922.3	1018.6	1252.1	2390.4	4815.8	10866.3	20994.1	25071.5	25465.5	22926.3
75°	522.4	572.1	735.5	1199.6	2089.8	5063.9	12716.7	17798.2	18379.0	15801.8
77.5°	347.3	370.7	475.7	776.4	1176.2	1727.9	5434.6	9272.7	10381.8	8630.6
80°	233.5	253.9	326.9	519.5	764.7	741.3	1730.8	3435.3	4226.3	2965.4
82.5°	157.6	160.5	233.5	341.5	484.5	359.0	510.8	1068.2	1342.6	858.1
85°	90.5	87.6	172.2	198.5	216.0	148.9	154.7	321.1	420.3	361.9
87.5°	11.7	17.5	67.1	52.5	29.2	32.1	32.1	55.5	81.7	87.6
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°
5063.9	0°	5063.9	5063.9	5063.9	5063.9	5063.9	5063.9	5063.9	5063.9	5063.9	5063.9
5069.8	2.5°	5069.8	5066.8	5058.1	5049.3	5028.9	5017.2	5023.1	5017.2	5014.3	5017.2
5107.7	5°	5107.7	5098.9	5075.6	5046.4	5005.5	4955.9	4923.8	4877.1	4833.3	4807.1
5209.9	7.5°	5209.9	5201.1	5169.0	5087.3	4955.9	4748.7	4559.0	4392.6	4267.1	4194.2
5373.3	10°	5373.3	5358.7	5309.1	5128.1	4783.7	4331.3	3954.8	3642.5	3438.2	3341.9
5565.9	12.5°	5565.9	5548.4	5460.9	5090.2	4456.8	3750.5	3231.0	2883.7	2693.9	2609.3
5787.8	15°	5793.6	5770.2	5598.0	4909.2	3981.1	3108.4	2632.7	2372.9	2250.3	2174.4
6070.9	17.5°	6076.7	6035.8	5700.2	4637.8	3464.5	2618.1	2264.9	2069.3	1961.4	1888.4
6441.5	20°	6444.5	6377.3	5781.9	4313.8	2988.7	2308.7	2016.8	1853.4	1771.6	1707.4
6966.9	22.5°	6958.1	6861.8	5881.2	3963.6	2653.1	2095.6	1832.9	1713.3	1646.1	1573.2
7699.5	25°	7594.4	7480.6	6003.7	3639.6	2422.5	1911.7	1698.7	1599.4	1520.6	1436.0
8659.7	27.5°	8484.6	8280.3	6149.7	3374.0	2224.0	1754.1	1576.1	1465.2	1374.7	1304.7
9748.4	30°	9477.0	9141.3	6278.1	3213.5	2043.1	1608.2	1415.6	1304.7	1220.0	1170.4
10726.2	32.5°	10416.8	9961.5	6362.7	3143.4	1879.6	1441.8	1240.4	1120.8	1056.6	1042.0
11683.5	35°	11304.1	10702.8	6354.0	3076.3	1733.7	1275.5	1068.2	945.7	896.0	904.8
12713.8	37.5°	12325.6	11493.8	6292.7	2971.2	1614.0	1123.7	919.4	811.4	767.6	770.5
13965.9	40°	13513.5	12407.3	6254.7	2772.8	1482.7	983.6	796.8	709.2	677.1	665.5
15285.2	42.5°	14780.2	13291.7	6260.6	2548.0	1319.2	858.1	712.2	639.2	610.0	601.2
16753.3	45°	16052.8	14135.2	6269.3	2314.5	1147.0	761.8	650.9	589.6	572.1	560.4
18241.8	47.5°	17249.4	14853.2	6105.9	2063.5	977.8	688.8	601.2	560.4	545.8	531.2
19736.2	50°	18364.4	15331.9	5711.9	1771.6	843.5	630.4	563.3	534.1	519.5	504.9
21090.4	52.5°	19231.2	15407.7	5061.0	1471.0	750.1	586.7	540.0	513.7	496.2	481.6
22184.9	55°	19616.5	14932.0	4135.8	1190.8	677.1	548.7	516.6	490.3	469.9	455.3
23046.0	57.5°	19517.3	13930.9	3225.1	957.3	607.1	510.8	487.4	469.9	446.6	423.2
23743.5	60°	19029.8	12591.2	2431.3	796.8	542.9	469.9	455.3	440.7	408.6	373.6
24012.0	62.5°	18186.3	10907.1	1733.7	659.6	472.8	423.2	417.4	405.7	359.0	294.8
23615.1	65°	16896.3	8861.1	1167.5	548.7	405.7	370.7	373.6	353.2	291.9	218.9
22161.6	67.5°	15010.8	6479.5	747.2	449.5	338.6	309.4	312.3	300.6	248.1	186.8
19406.3	70°	12608.7	4290.5	487.4	341.5	271.4	239.3	256.8	259.8	210.1	151.8
14894.1	72.5°	9243.5	2533.4	341.5	253.9	198.5	166.4	210.1	216.0	169.3	113.8
8960.4	75°	5268.2	1202.5	256.8	183.9	122.6	116.7	163.4	163.4	116.7	75.9
3878.9	77.5°	2212.4	502.0	181.0	119.7	70.0	67.1	110.9	102.2	58.4	35.0
945.7	80°	639.2	224.7	96.3	58.4	29.2	26.3	43.8	32.1	14.6	5.8
359.0	82.5°	251.0	99.2	37.9	23.3	11.7	11.7	5.8	0.0	0.0	0.0
204.3	85°	148.9	40.9	17.5	8.8	2.9	0.0	0.0	0.0	0.0	0.0
43.8	87.5°	37.9	8.8	5.8	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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