

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: P853240

Luminaire Tested: **GLAN-SB9D-727-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62410 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

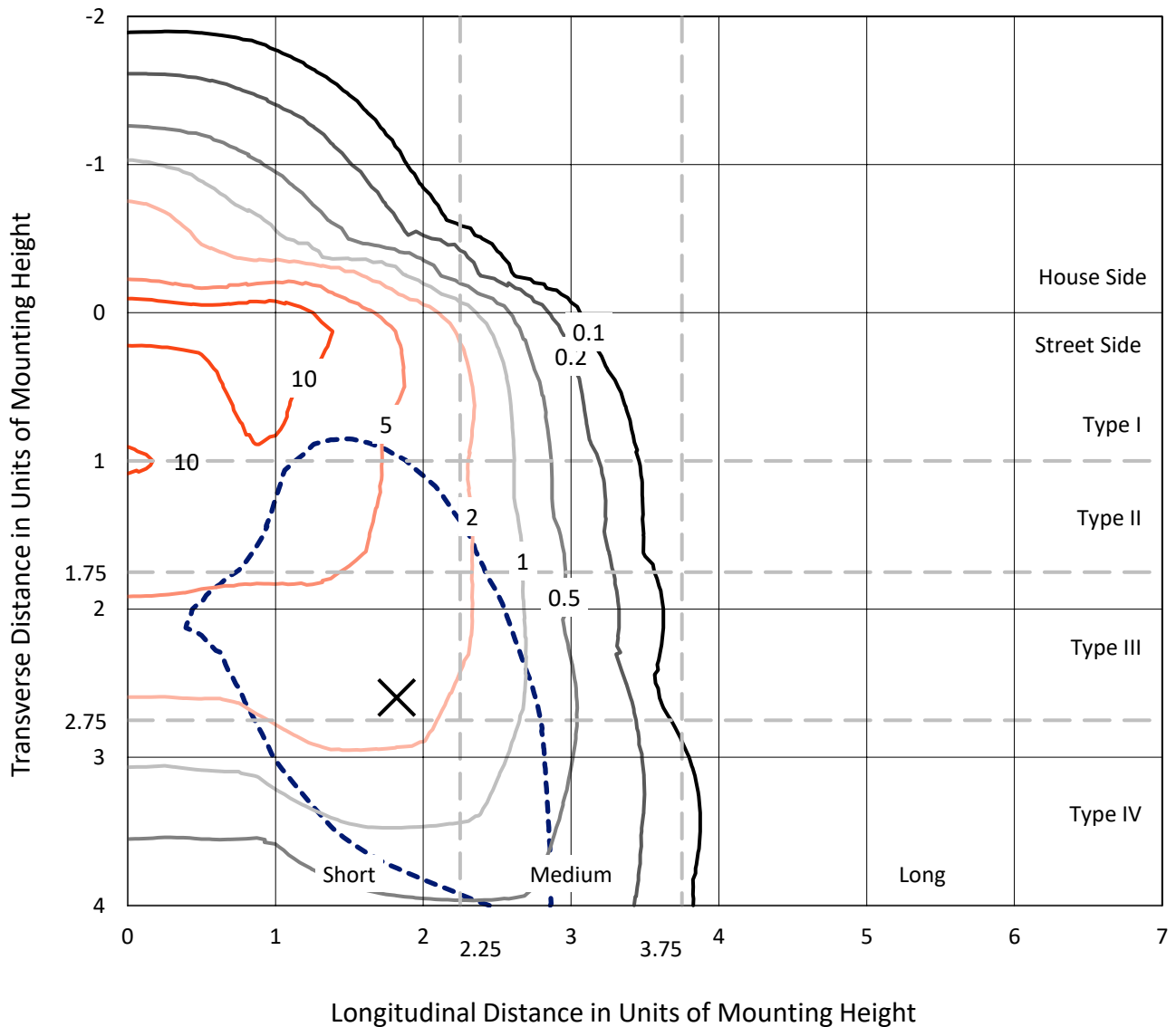
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

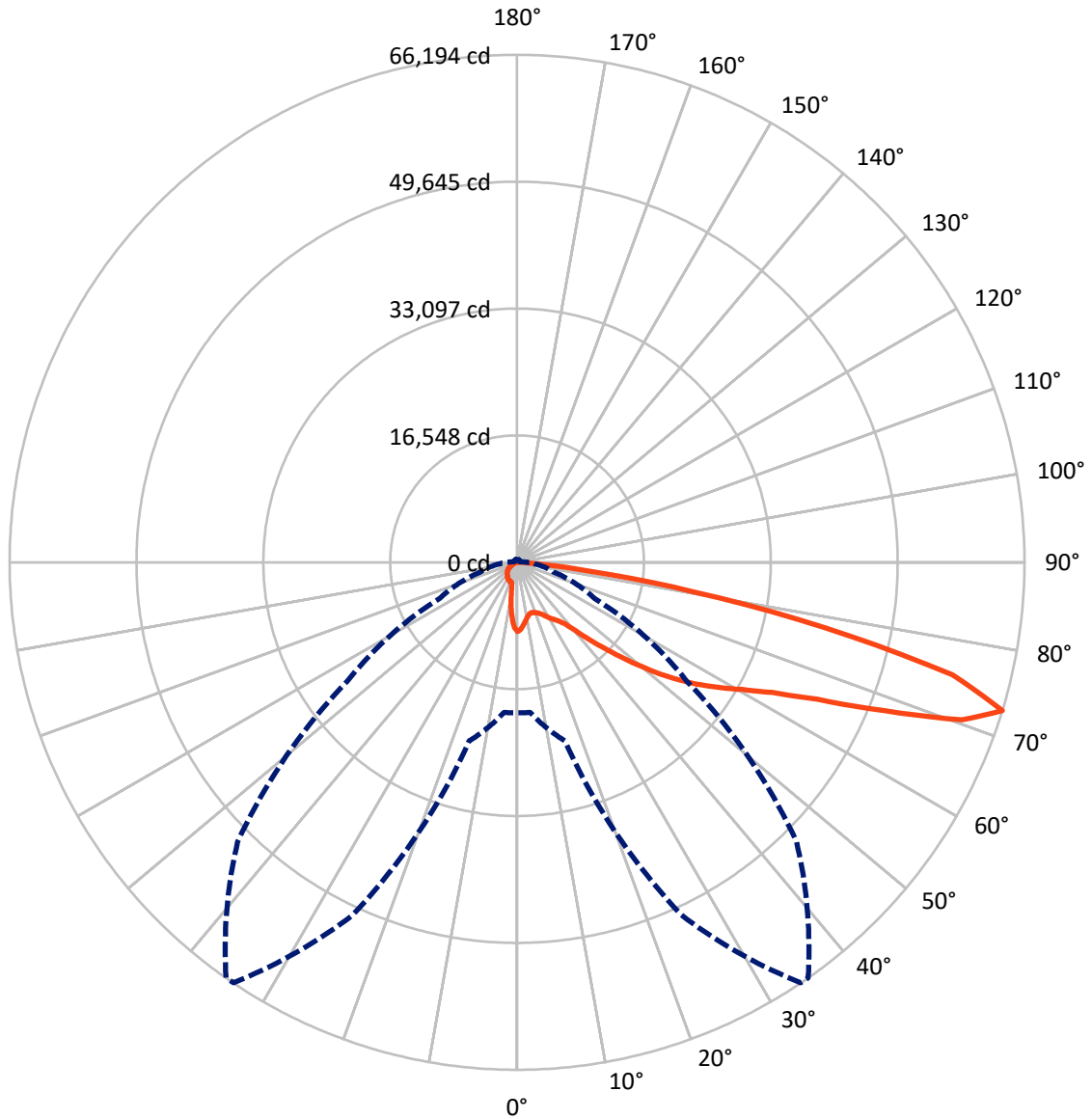
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7024.0	0.0	7024.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	55386.0	0.0	55386.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	62410.0	0.0	62410.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.3	1.2
10°-20°	1738.8	2.8
20°-30°	2824.7	4.5
30°-40°	4712.9	7.6
40°-50°	8917.0	14.3
50°-60°	14169.1	22.7
60°-70°	17528.1	28.1
70°-80°	10895.6	17.5
80°-90°	880.5	1.4
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°	62410.0	100.0
0°-180°	62410.0	100.0

Coefficient of Utilization



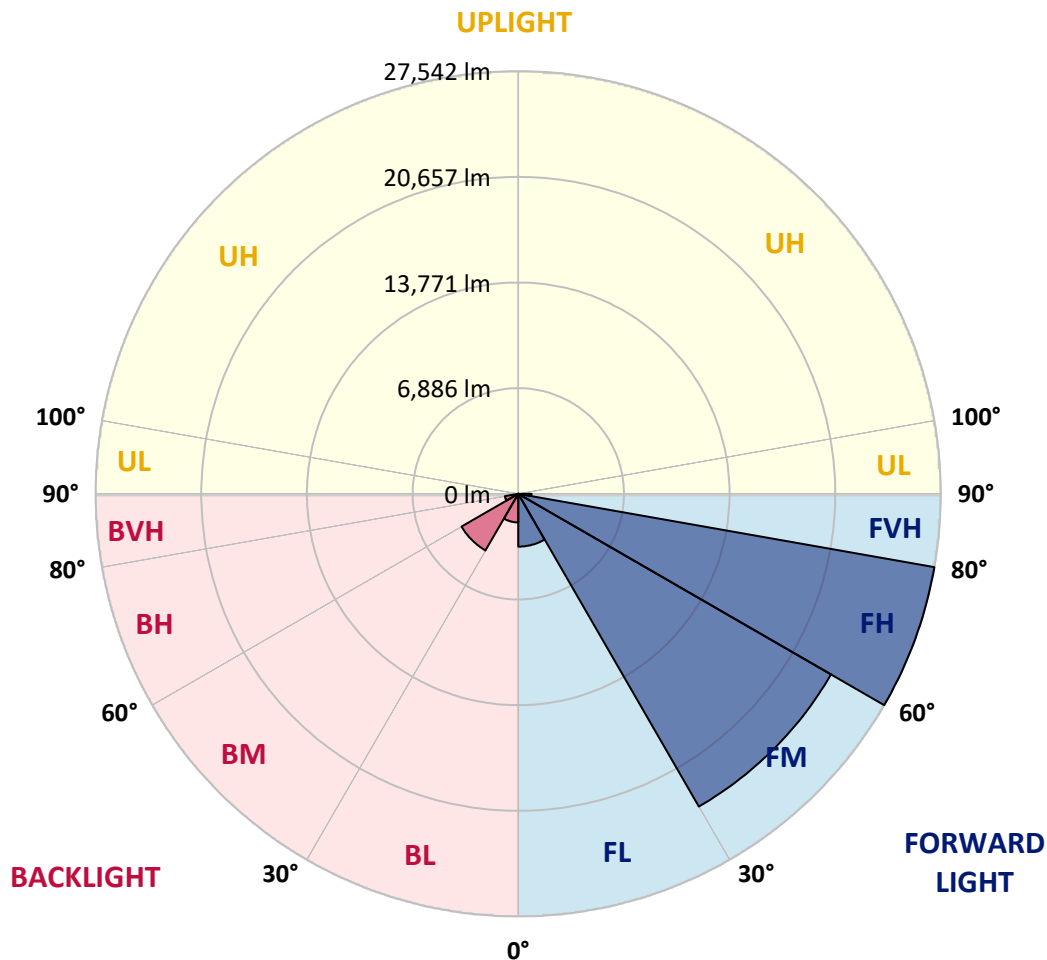
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3440.4	5.5			
FM	(30°-60°)	23534.8	37.7			
FH	(60°-80°)	27542.3	44.1			G5
FVH	(80°-90°)	868.6	1.4			G5
BL	(0°-30°)	1866.4	3.0	B3/2500		
BM	(30°-60°)	4264.2	6.8	B3/5000		
BH	(60°-80°)	881.4	1.4	B2/1000		G2/1000
BVH	(80°-90°)	12.0	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	9045.3	9045.3	9045.3	9045.3	9045.3	9045.3	9045.3	9045.3	9045.3	9045.3
2.5°	8642.9	8716.0	8729.8	8752.6	8752.6	8780.1	8825.8	8889.8	8995.0	9049.9
5°	7966.1	8021.0	8089.6	8144.4	8249.6	8263.3	8441.7	8615.4	8857.8	9040.7
7.5°	7284.7	7348.7	7440.2	7572.8	7710.0	7751.2	8021.0	8313.6	8697.8	9040.7
10°	6804.6	6809.1	6891.4	7024.1	7243.6	7293.9	7623.1	8039.3	8519.4	8985.9
12.5°	6534.8	6566.8	6603.3	6703.9	6914.3	6946.3	7298.4	7787.7	8341.1	8953.8
15°	6534.8	6557.6	6580.5	6630.8	6800.0	6827.4	7138.4	7627.7	8249.6	8967.6
17.5°	6603.3	6639.9	6621.6	6681.1	6859.4	6877.7	7152.1	7582.0	8245.0	9054.4
20°	6768.0	6795.4	6758.8	6795.4	6973.8	7010.3	7293.9	7668.8	8322.8	9205.4
22.5°	7028.6	7042.3	6955.5	6982.9	7165.8	7211.5	7540.8	7915.8	8510.3	9447.7
25°	7357.9	7385.3	7252.7	7284.7	7458.5	7513.4	7892.9	8286.2	8807.5	9781.5
27.5°	7737.4	7751.2	7636.8	7632.3	7856.3	7934.1	8318.2	8743.5	9205.4	10202.3
30°	8171.9	8213.0	8103.3	8085.0	8368.5	8432.5	8812.1	9306.0	9790.7	10833.3
32.5°	8514.8	8546.8	8482.8	8528.6	8816.7	8867.0	9411.1	10101.7	10709.9	11729.6
35°	9008.7	9027.0	8880.7	8963.0	9292.2	9420.3	10229.7	11217.5	11866.8	12854.6
37.5°	10796.7	10796.7	10174.8	9767.8	10083.4	10197.7	11350.1	12621.4	13293.6	14363.6
40°	13270.7	13229.6	12319.5	11487.3	11446.1	11670.2	12946.0	14391.1	15136.5	16174.5
42.5°	15909.3	15845.3	14606.0	13782.9	13645.7	13723.4	14788.9	16572.4	17331.5	18383.3
45°	18250.7	18232.4	17098.3	15991.6	15744.7	15991.6	17089.1	19124.1	19668.3	20774.9
47.5°	20212.5	20212.5	19384.7	18662.2	18534.2	18680.5	20203.3	21954.7	21904.4	23322.1
50°	22471.5	22453.2	21666.7	21355.7	21488.3	21694.1	23788.5	24936.3	24218.4	25823.5
52.5°	24053.7	24163.5	23893.7	23843.4	24520.2	24876.9	27428.6	27853.9	26289.9	28196.8
55°	25306.7	25434.8	25745.7	26097.8	27401.1	27867.6	30954.3	30620.5	28023.1	30254.7
57.5°	27081.0	26898.1	27378.3	28073.4	30181.5	30744.0	34370.3	33231.7	29417.8	31923.8
60°	29234.9	29262.3	29344.6	30222.6	32957.3	33679.8	37736.0	35701.0	30314.1	32948.1
62.5°	31823.2	31864.3	32033.5	33382.6	36684.2	37365.6	41321.2	37722.3	30725.7	32660.0
65°	31644.8	31818.6	33707.2	38321.3	42350.1	43022.3	45505.5	39139.9	30103.8	30026.0
67.5°	28827.9	29111.4	32271.3	44220.5	50892.4	51642.4	50563.1	39418.9	27419.4	23349.5
70°	25133.0	25233.6	29033.7	49525.1	60783.7	61542.8	55090.4	36350.4	20806.9	13023.8
72.5°	19627.1	19650.0	24108.6	50755.2	66152.3	66193.5	51537.2	26985.0	11190.0	5002.8
75°	14020.7	13883.5	16147.1	41161.2	58200.0	58666.4	38636.9	12657.9	4275.7	2364.2
77.5°	7517.9	7668.8	9136.8	24410.4	40205.4	41001.1	21081.3	3649.2	2176.7	1609.7
80°	2323.1	2451.1	3745.2	11176.3	22773.3	23253.5	7815.2	1623.4	1518.2	1147.8
82.5°	731.7	759.1	1746.9	4696.4	9452.3	9671.8	2263.6	919.2	1038.1	759.1
85°	210.4	214.9	777.4	1751.4	2336.8	2382.5	635.6	356.7	594.5	471.0
87.5°	22.9	73.2	292.7	292.7	205.8	201.2	68.6	77.7	169.2	59.4
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°
9045.3	0°	9045.3	9045.3	9045.3	9045.3	9045.3	9045.3	9045.3	9045.3	9045.3	9045.3
9086.5	2.5°	9063.6	9068.2	9008.7	8908.1	8798.4	8706.9	8592.6	8501.1	8437.1	8418.8
9168.8	5°	9127.6	9095.6	8926.4	8620.0	8254.2	7938.6	7586.5	7307.6	7124.7	7046.9
9255.7	7.5°	9223.6	9132.2	8761.8	8158.1	7458.5	6836.6	6205.5	5716.2	5405.2	5249.8
9338.0	10°	9306.0	9123.0	8487.4	7490.5	6420.4	5478.4	4627.8	4037.9	3708.7	3553.2
9434.0	12.5°	9383.7	9118.5	8130.7	6699.4	5249.8	4097.4	3306.2	3013.6	2922.1	2890.1
9589.5	15°	9530.0	9132.2	7682.6	5793.9	4083.6	3095.9	2807.8	2803.2	2821.5	2812.4
9827.3	17.5°	9731.2	9145.9	7175.0	4833.6	3150.8	2730.1	2716.3	2757.5	2784.9	2771.2
10124.5	20°	9991.9	9200.8	6635.4	3882.4	2707.2	2638.6	2670.6	2707.2	2730.1	2707.2
10522.4	22.5°	10357.7	9296.8	6045.4	3118.8	2565.4	2583.7	2611.2	2652.3	2675.2	2643.2
11030.0	25°	10805.9	9447.7	5464.7	2711.8	2496.8	2519.7	2560.9	2606.6	2634.0	2602.0
11670.2	27.5°	11386.7	9690.1	4929.6	2620.3	2428.2	2442.0	2501.4	2570.0	2606.6	2565.4
12580.2	30°	12228.1	10087.9	4467.8	2661.5	2387.1	2355.1	2437.4	2533.4	2574.6	2538.0
13819.5	32.5°	13343.9	10650.4	4184.3	2725.5	2368.8	2254.5	2332.2	2455.7	2524.3	2501.4
15438.3	35°	14807.2	11505.6	4074.5	2798.6	2355.1	2149.3	2204.2	2336.8	2455.7	2478.5
17477.8	37.5°	16581.5	12694.5	4106.5	2830.7	2313.9	2062.4	2089.8	2204.2	2359.6	2432.8
19773.4	40°	18598.2	14080.1	4289.4	2798.6	2268.2	1989.2	1993.8	2080.7	2217.9	2327.6
22242.8	42.5°	20678.9	15698.9	4627.8	2679.8	2227.0	1925.2	1911.5	1970.9	2062.4	2140.1
24707.7	45°	22659.0	17363.5	4961.7	2515.1	2176.7	1861.2	1829.2	1852.0	1870.3	1902.3
27108.5	47.5°	24387.6	18534.2	4865.6	2364.2	2108.1	1788.0	1733.1	1724.0	1669.1	1664.6
29253.2	50°	25581.1	18790.3	4321.4	2213.3	2007.5	1705.7	1618.8	1564.0	1467.9	1422.2
30858.3	52.5°	25960.7	17779.6	3530.3	2062.4	1842.9	1596.0	1472.5	1385.6	1266.7	1225.6
31782.0	55°	25457.6	15799.6	2821.5	1879.5	1614.3	1449.6	1312.4	1198.1	1102.1	1051.8
31882.6	57.5°	24227.5	13279.9	2231.6	1664.6	1371.9	1285.0	1147.8	1033.5	951.2	900.9
30766.8	60°	22188.0	10545.2	1765.2	1408.5	1170.7	1106.7	964.9	891.7	818.6	759.1
27885.9	62.5°	19092.1	7527.1	1385.6	1115.8	978.6	905.4	823.1	768.3	681.4	599.1
22704.7	65°	14898.7	4605.0	1070.1	818.6	786.5	750.0	699.7	649.4	544.2	461.9
14811.8	67.5°	9397.4	2181.3	763.7	617.3	621.9	603.6	580.8	539.6	461.9	388.7
6635.4	70°	4138.5	1056.4	503.0	471.0	461.9	461.9	480.2	466.4	393.3	324.7
2304.8	72.5°	1408.5	567.0	375.0	356.7	333.8	329.3	402.4	388.7	315.5	251.5
1147.8	75°	736.2	379.6	274.4	256.1	201.2	242.4	320.1	301.8	224.1	164.6
759.1	77.5°	480.2	269.8	187.5	164.6	114.3	160.1	237.8	210.4	132.6	82.3
498.5	80°	301.8	178.3	109.8	77.7	54.9	86.9	128.0	91.5	50.3	18.3
292.7	82.5°	160.1	91.5	41.2	27.4	22.9	27.4	32.0	22.9	9.1	0.0
150.9	85°	64.0	32.0	13.7	9.1	4.6	0.0	9.1	4.6	0.0	0.0
27.4	87.5°	22.9	4.6	0.0	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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<u>180°</u>
9045.3
8450.8
7074.4
5272.6
3557.8
2881.0
2807.8
2766.6
2702.6
2638.6
2597.4
2565.4
2533.4
2501.4
2478.5
2451.1
2364.2
2172.2
1920.6
1660.0
1426.8
1221.0
1051.8
891.7
745.4
585.3
448.1
379.6
311.0
237.8
150.9
73.2
13.7
0.0
0.0
0.0
0.0

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