

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: P851475

Luminaire Tested: **GLAN-SB9C-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851475
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-SB9C-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA 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: 38951 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

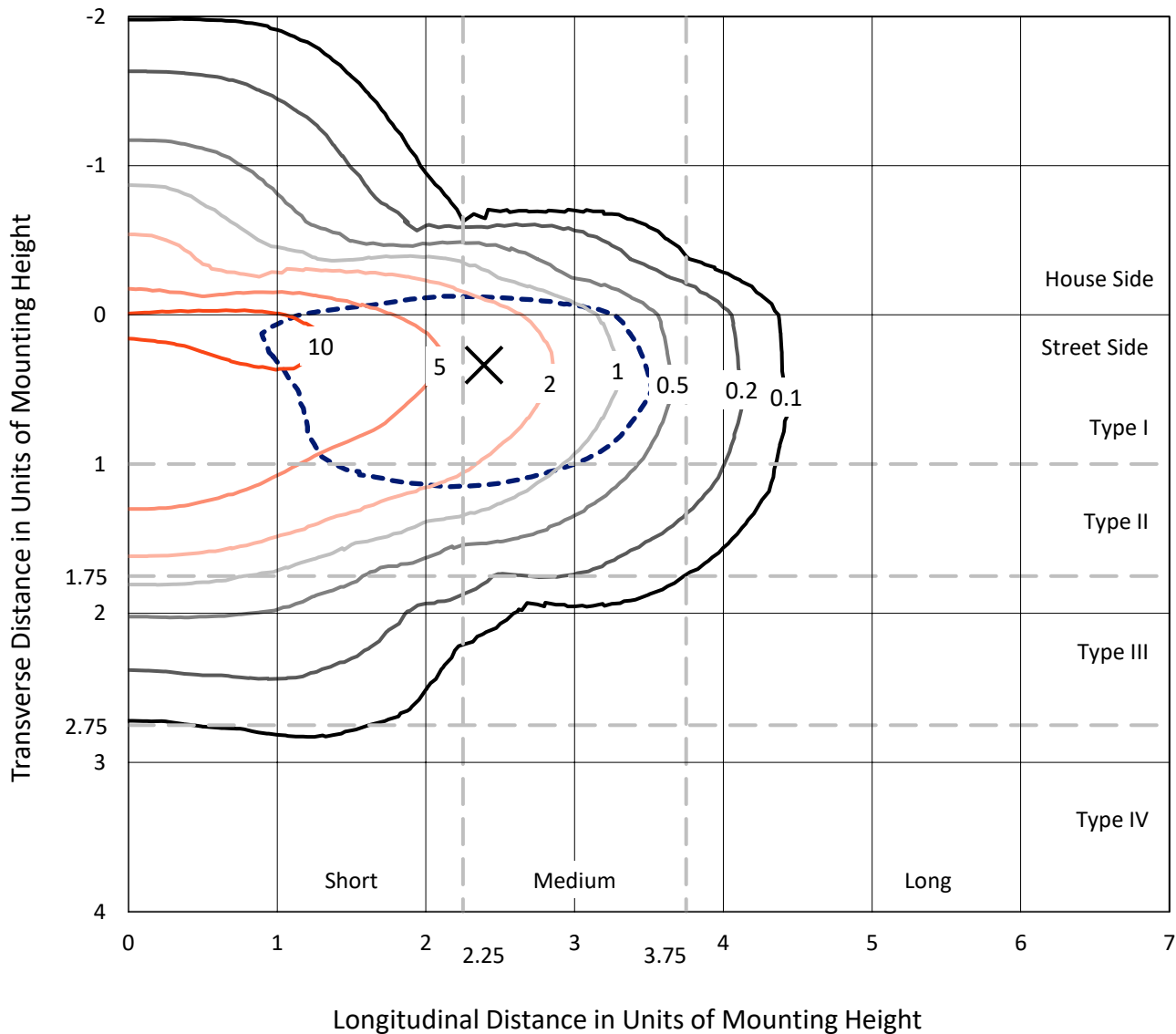
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

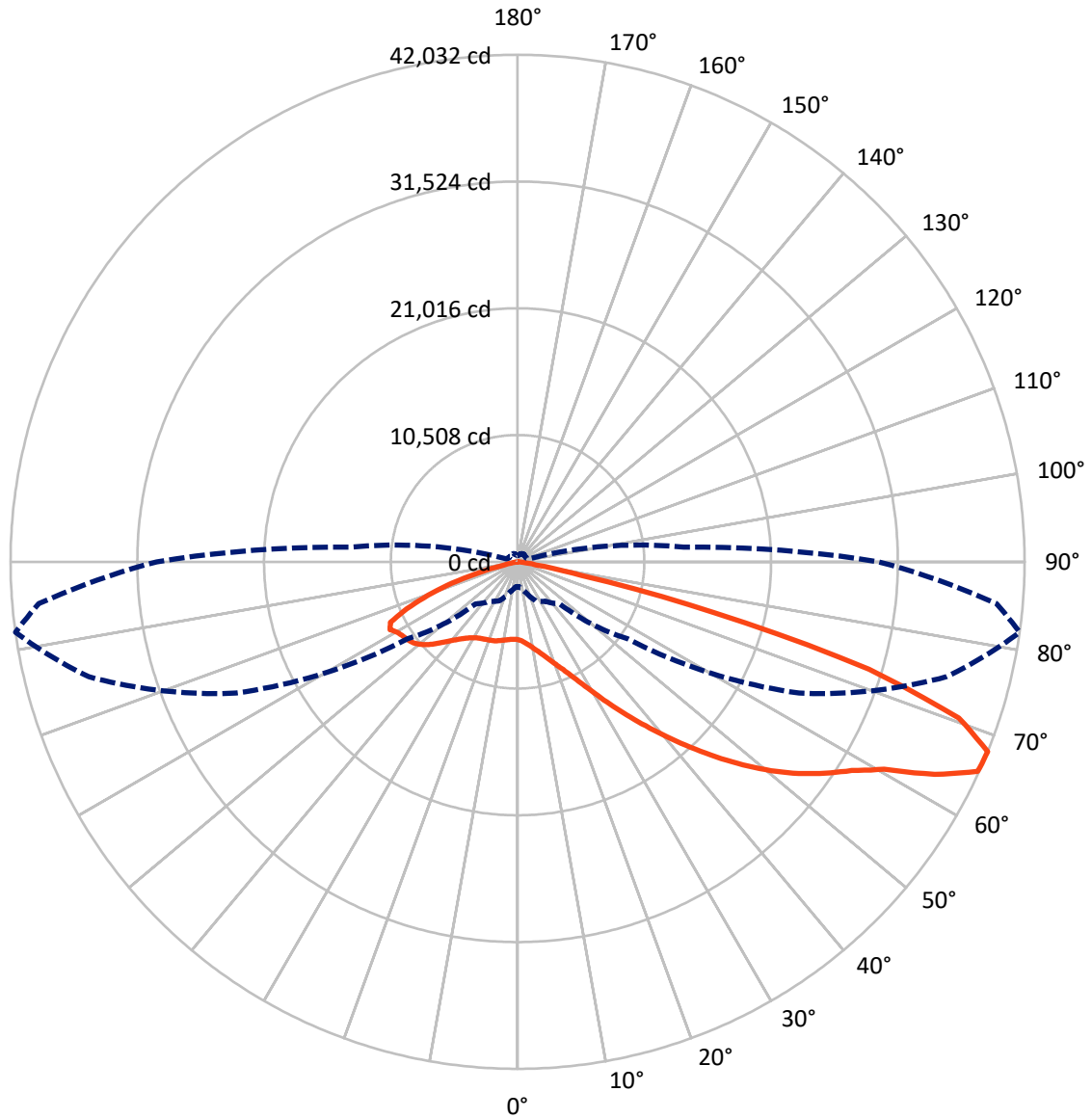
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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
House Side	Lumens	7055.6	0.0	7055.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	31895.4	0.0	31895.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	38951.0	0.0	38951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.9	1.5
10°-20°	1493.9	3.8
20°-30°	2392.8	6.1
30°-40°	4231.2	10.9
40°-50°	7413.5	19.0
50°-60°	9887.6	25.4
60°-70°	9204.8	23.6
70°-80°	3532.8	9.1
80°-90°	219.4	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°	38951.0	100.0
0°-180°	38951.0	100.0

Coefficient of Utilization

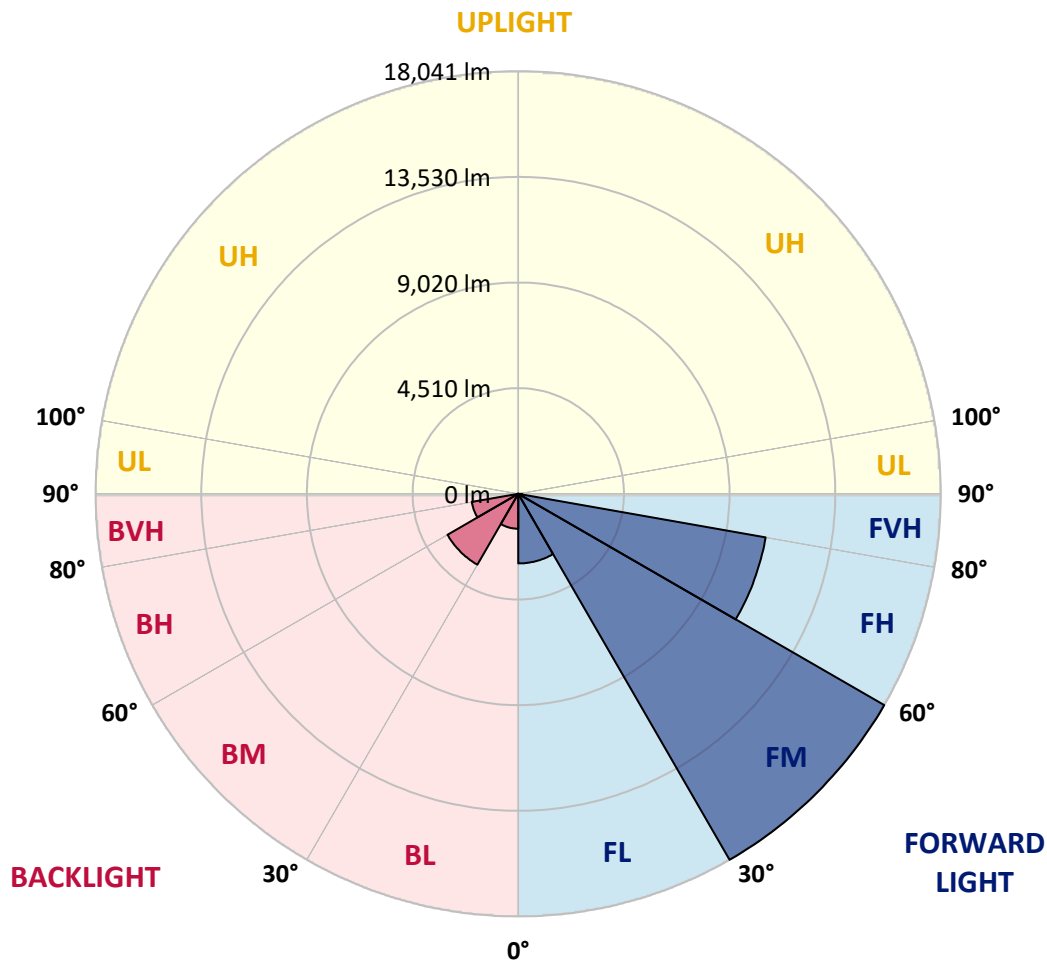


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2971.5	7.6			
FM (30°-60°)	18040.5	46.3			
FH (60°-80°)	10723.8	27.5			G4/12000
FVH (80°-90°)	159.5	0.4			G2/225
BL (0°-30°)	1490.1	3.8	B3/2500		
BM (30°-60°)	3491.8	9.0	B3/5000		
BH (60°-80°)	2013.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	59.9	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°	6452.9	6452.9	6452.9	6452.9	6452.9	6452.9	6452.9	6452.9	6452.9	6452.9
2.5°	6820.2	6859.5	6837.1	6825.8	6806.2	6778.2	6755.7	6685.6	6612.7	6565.0
5°	6957.6	6996.9	6994.1	7005.3	7019.3	7027.8	7022.2	6943.6	6839.9	6758.5
7.5°	6839.9	6884.7	6921.2	6977.3	7075.4	7179.2	7229.7	7212.8	7106.3	6994.1
10°	6506.1	6553.8	6640.8	6772.6	6980.1	7204.4	7392.3	7479.3	7412.0	7288.6
12.5°	5894.8	5942.5	6113.5	6399.6	6747.3	7137.1	7496.1	7728.9	7745.7	7622.3
15°	5207.7	5255.4	5437.7	5796.6	6326.7	6952.0	7552.2	7992.5	8141.1	8034.5
17.5°	4781.5	4823.5	4960.9	5249.8	5802.2	6581.9	7532.5	8272.9	8612.2	8528.1
20°	4652.5	4688.9	4753.4	4955.3	5415.2	6197.7	7403.5	8536.5	9119.8	9072.1
22.5°	4789.9	4823.5	4843.2	4932.9	5221.7	5945.3	7240.9	8805.7	9708.7	9714.3
25°	5106.8	5140.4	5118.0	5174.1	5300.3	5866.7	7179.2	9122.6	10449.1	10510.8
27.5°	5628.4	5631.2	5577.9	5575.1	5594.7	5984.5	7243.7	9462.0	11383.0	11497.9
30°	6674.4	6632.3	6427.6	6206.1	6105.1	6337.9	7423.2	9863.0	12485.1	12689.8
32.5°	8286.9	8225.2	7849.4	7319.4	6786.6	6907.2	7745.7	10320.1	13685.3	14055.5
35°	10036.9	10020.0	9627.4	8839.4	7908.3	7717.6	8270.1	10920.2	14995.0	15583.9
37.5°	11663.4	11655.0	11430.6	10502.4	9369.4	8847.8	9111.4	11705.5	16397.2	17249.7
40°	13149.7	13174.9	12950.6	12120.5	10979.1	10297.7	10255.6	12675.8	17956.4	19064.1
42.5°	14434.1	14462.2	14235.0	13620.8	12569.2	11901.8	11660.6	13864.8	19479.2	21013.2
45°	15306.3	15480.1	15446.5	14955.7	14201.3	13508.7	13348.8	15356.7	21215.1	23080.0
47.5°	15553.1	15712.9	15965.3	16032.6	15572.7	14891.2	15081.9	17154.4	22970.6	25149.6
50°	14944.5	15093.1	15617.6	16315.8	16635.5	16425.2	16767.3	19081.0	24768.2	27213.6
52.5°	13744.2	13895.7	14557.5	15662.4	16966.5	17628.3	18458.4	20979.5	26509.7	29168.3
55°	12008.3	12168.2	13017.9	14268.7	16335.5	18124.7	19869.0	22875.3	28105.4	30926.6
57.5°	9647.0	9764.8	10648.2	12398.1	14748.2	17631.1	20909.4	24944.9	29608.6	32654.1
60°	6287.4	6391.2	7417.6	9369.4	12117.7	15982.1	21116.9	27252.9	31605.3	34900.4
62.5°	4181.3	4251.4	4860.0	6293.0	8533.7	12816.0	19902.6	29095.4	34533.1	38809.7
65°	2868.9	2939.0	3547.5	4545.9	5513.4	8477.6	16411.2	28851.4	37186.0	41914.2
67.5°	2047.2	2106.1	2622.1	3564.4	3990.6	4924.5	11124.9	25732.9	36804.6	42031.9
70°	1466.7	1500.3	1926.6	2776.3	3171.7	2958.6	6186.4	19681.1	32225.1	38812.5
72.5°	1026.4	1037.6	1337.7	2114.5	2554.8	2159.4	2944.6	13121.7	24372.8	30463.9
75°	695.5	709.5	900.2	1550.8	2050.0	1649.0	1559.2	7036.2	14307.9	16862.7
77.5°	426.3	431.9	580.5	1060.1	1534.0	1256.4	1004.0	2981.0	5535.8	5434.9
80°	241.2	241.2	370.2	659.0	1046.0	810.5	703.9	1267.6	1752.7	1539.6
82.5°	134.6	137.4	269.2	409.4	692.7	479.5	387.0	586.1	757.2	670.2
85°	56.1	61.7	165.5	193.5	330.9	238.4	157.0	246.8	280.4	249.6
87.5°	5.6	8.4	50.5	36.5	39.3	47.7	22.4	47.7	39.3	39.3
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°
6452.9	0°	6452.9	6452.9	6452.9	6452.9	6452.9	6452.9	6452.9	6452.9	6452.9	6452.9
6548.2	2.5°	6494.9	6452.9	6346.3	6222.9	6060.3	5981.7	5875.2	5802.2	5740.6	5746.2
6710.9	5°	6621.1	6514.6	6276.2	5978.9	5608.7	5345.1	5064.7	4871.2	4714.2	4680.5
6935.2	7.5°	6795.0	6626.7	6208.9	5673.2	5047.9	4573.9	4150.5	3878.4	3684.9	3623.3
7207.2	10°	7019.3	6775.4	6121.9	5289.0	4388.8	3785.9	3331.6	3118.5	2986.7	2941.8
7526.9	12.5°	7280.2	6946.4	6007.0	4820.7	3710.2	3129.7	2840.8	2734.3	2692.2	2678.2
7919.5	15°	7608.3	7159.6	5833.1	4265.5	3135.3	2728.7	2605.3	2591.2	2596.8	2591.2
8390.7	17.5°	7998.1	7392.3	5549.9	3693.4	2748.3	2523.9	2479.1	2490.3	2504.3	2501.5
8917.9	20°	8424.3	7622.3	5188.1	3185.8	2484.7	2378.1	2352.9	2364.1	2375.3	2369.7
9526.5	22.5°	8909.5	7869.1	4787.1	2790.4	2308.0	2243.5	2215.5	2218.3	2218.3	2207.0
10297.7	25°	9490.0	8141.1	4366.4	2509.9	2173.4	2122.9	2089.3	2078.0	2061.2	2027.6
11234.3	27.5°	10182.7	8429.9	3962.6	2313.6	2066.8	2019.1	1979.9	1951.8	1909.8	1853.7
12358.9	30°	10962.3	8780.5	3620.4	2190.2	1982.7	1935.0	1890.1	1848.1	1786.4	1716.3
13651.7	32.5°	11879.3	9156.3	3370.9	2108.9	1907.0	1856.5	1803.2	1752.7	1685.4	1615.3
15104.4	35°	12973.0	9610.6	3225.0	2052.8	1848.1	1780.8	1721.9	1665.8	1615.3	1553.6
16683.2	37.5°	14159.3	10092.9	3180.2	2024.8	1808.8	1705.1	1637.8	1598.5	1592.9	1556.4
18391.1	40°	15457.7	10665.0	3213.8	2007.9	1766.8	1632.1	1559.2	1550.8	1564.8	1500.3
20216.7	42.5°	16831.8	11343.7	3269.9	1988.3	1707.9	1559.2	1489.1	1489.1	1477.9	1388.2
22146.1	45°	18318.2	12126.1	3326.0	1940.6	1637.8	1486.3	1433.0	1413.4	1365.7	1278.8
24086.8	47.5°	19815.7	12922.6	3368.1	1853.7	1553.6	1424.6	1376.9	1332.1	1262.0	1183.4
25990.9	50°	21237.5	13637.7	3323.2	1724.7	1458.3	1365.7	1315.3	1253.6	1177.8	1124.6
27794.1	52.5°	22507.9	14257.4	3132.5	1573.3	1357.3	1304.0	1259.2	1194.7	1133.0	1076.9
29420.7	55°	23612.8	14759.4	2796.0	1430.2	1267.6	1250.8	1205.9	1124.6	1040.4	992.7
31033.2	57.5°	24672.9	15140.8	2375.3	1312.4	1186.2	1191.9	1124.6	1051.6	973.1	922.6
33206.6	60°	26083.5	15651.2	1949.0	1203.1	1099.3	1116.1	1043.2	989.9	891.8	827.3
36933.6	62.5°	28338.2	16444.8	1548.0	1068.5	998.4	1004.0	973.1	908.6	790.8	715.1
39695.9	65°	30127.4	16153.2	1219.9	922.6	883.4	891.8	891.8	821.7	695.5	608.5
39844.5	67.5°	29925.5	13831.2	973.1	779.6	774.0	779.6	799.2	740.4	617.0	546.9
36810.2	70°	27567.0	11001.6	779.6	647.8	673.0	659.0	715.1	675.9	555.3	485.2
28537.3	72.5°	22493.9	7925.2	594.5	535.6	516.0	538.4	645.0	608.5	462.7	384.2
15115.6	75°	13144.1	4229.0	443.1	423.5	373.0	448.7	572.1	518.8	353.4	283.2
4632.8	77.5°	4279.5	1475.1	325.3	311.3	277.6	361.8	488.0	437.5	288.9	224.3
1357.3	80°	1147.0	445.9	221.5	204.7	179.5	269.2	387.0	347.7	207.5	145.8
583.3	82.5°	459.9	187.9	129.0	115.0	98.2	185.1	305.7	280.4	154.2	92.5
182.3	85°	148.6	61.7	47.7	36.5	44.9	115.0	182.3	190.7	109.4	47.7
28.0	87.5°	19.6	8.4	8.4	11.2	8.4	19.6	56.1	53.3	30.8	5.6
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°
6452.9
5690.1
4604.8
3561.6
2908.1
2669.8
2588.4
2495.9
2366.9
2201.4
2022.0
1848.1
1710.7
1618.1
1548.0
1553.6
1503.1
1388.2
1276.0
1180.6
1116.1
1071.3
987.1
917.0
818.9
709.5
600.1
535.6
476.7
375.8
274.8
215.9
143.0
92.5
36.5
0.0
0.0

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