

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: P848955

Luminaire Tested: **GLAN-SB5D-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848955
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-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 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: 36835 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

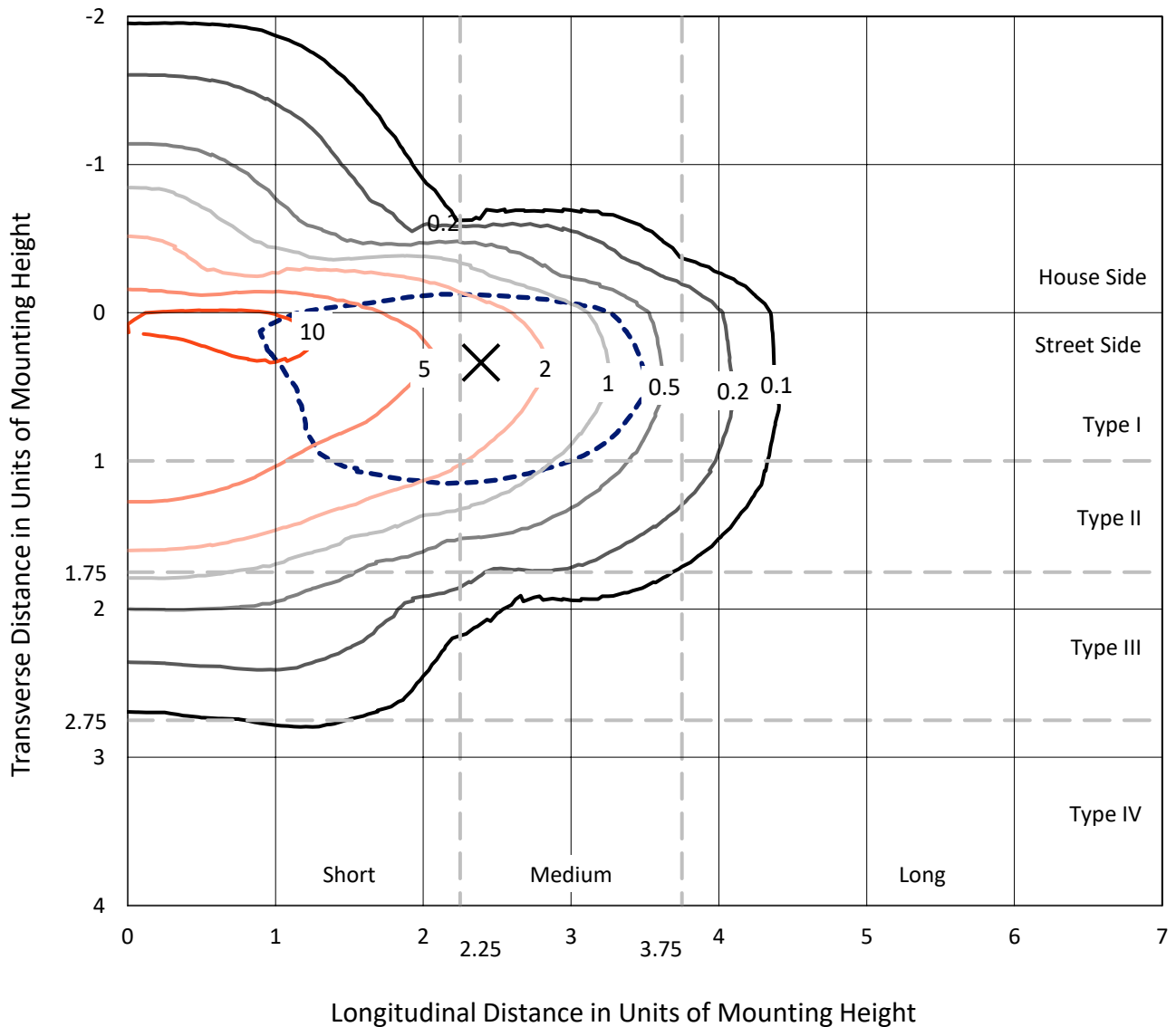
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

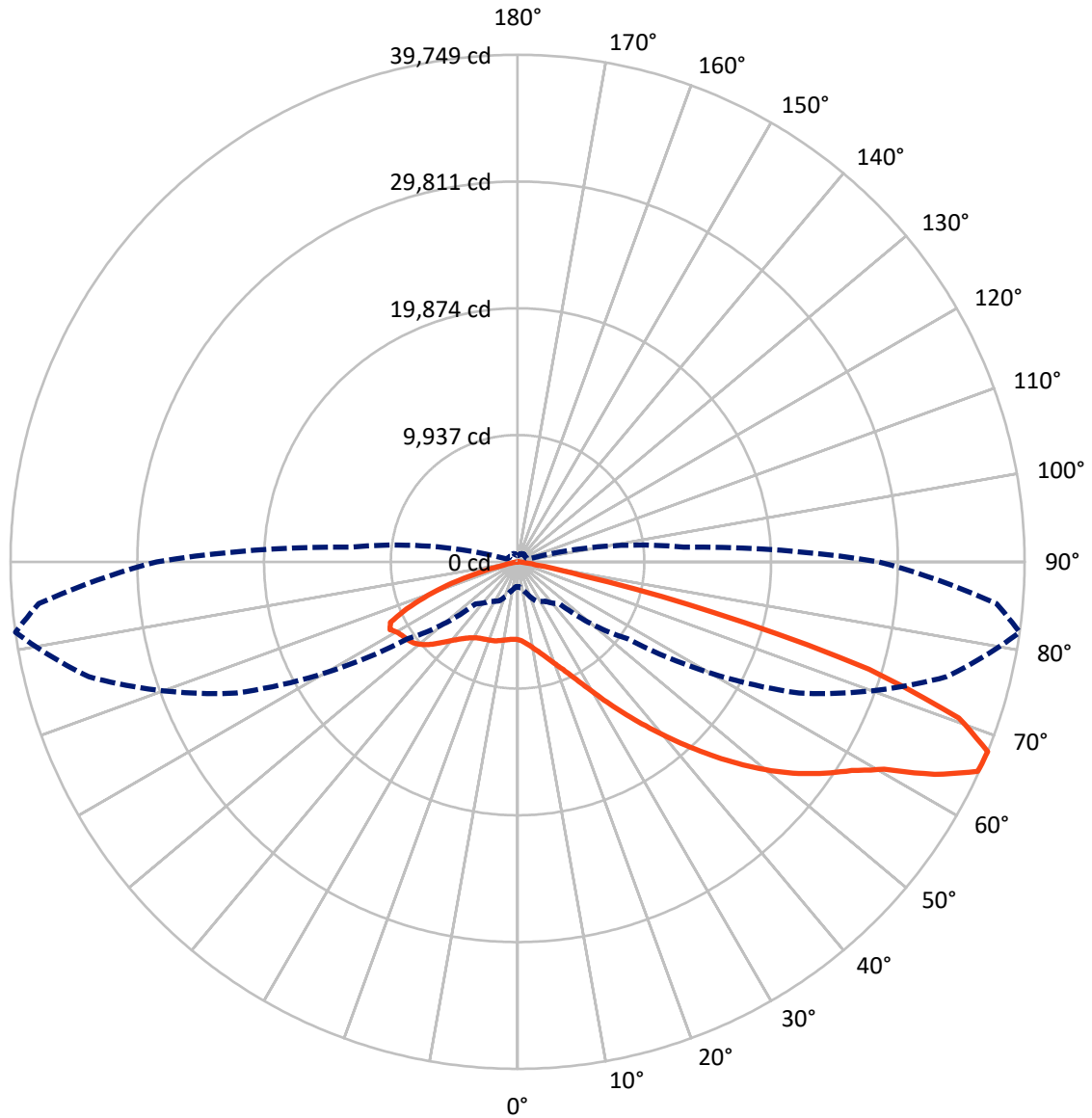
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 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
House Side	Lumens	6672.3	0.0	6672.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	30162.7	0.0	30162.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	36835.0	0.0	36835.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.7	1.5
10°-20°	1412.8	3.8
20°-30°	2262.8	6.1
30°-40°	4001.4	10.9
40°-50°	7010.8	19.0
50°-60°	9350.4	25.4
60°-70°	8704.8	23.6
70°-80°	3340.9	9.1
80°-90°	207.5	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°	36835.0	100.0
0°-180°	36835.0	100.0

Coefficient of Utilization

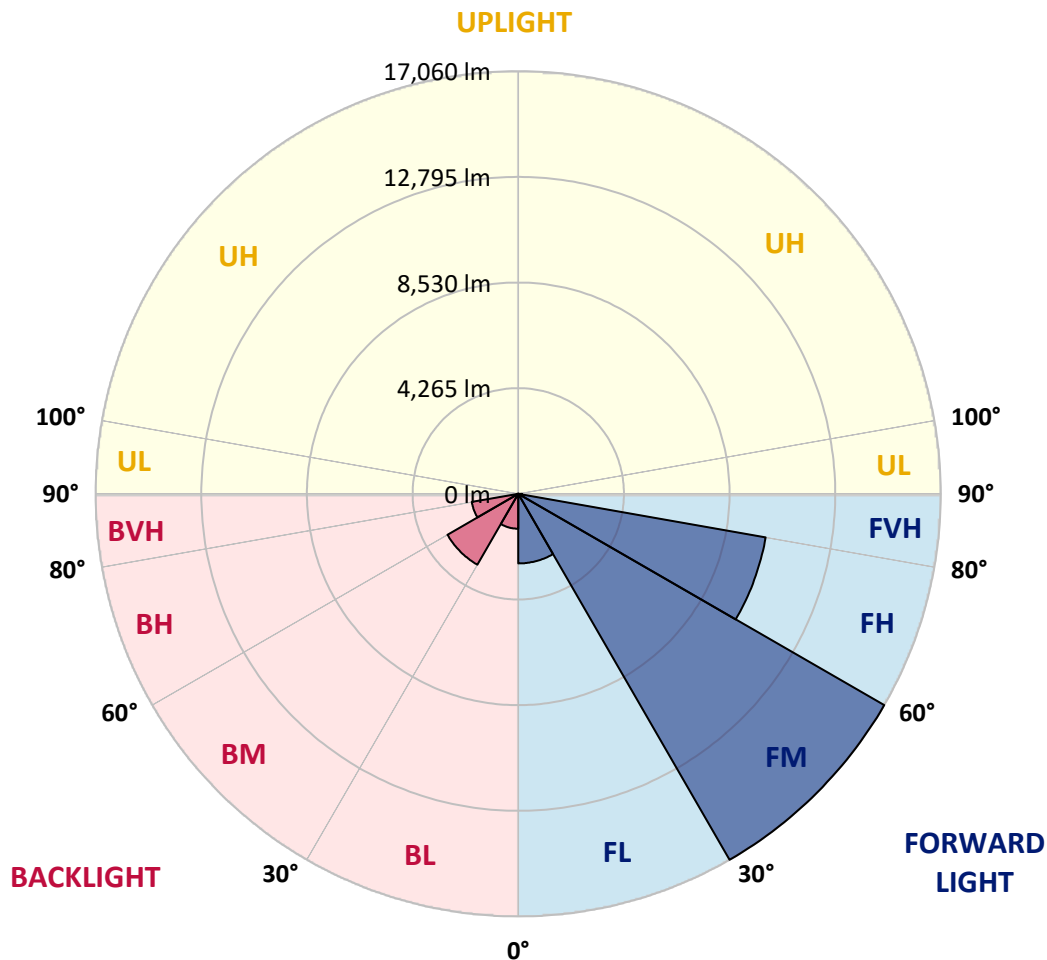


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2810.1	7.6			
FM (30°-60°)	17060.5	46.3			
FH (60°-80°)	10141.2	27.5			G4/12000
FVH (80°-90°)	150.9	0.4			G2/225
BL (0°-30°)	1409.2	3.8	B3/2500		
BM (30°-60°)	3302.1	9.0	B3/5000		
BH (60°-80°)	1904.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	56.6	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°	6102.3	6102.3	6102.3	6102.3	6102.3	6102.3	6102.3	6102.3	6102.3	6102.3
2.5°	6449.7	6486.9	6465.6	6455.0	6436.5	6409.9	6388.7	6322.4	6253.5	6208.4
5°	6579.7	6616.8	6614.2	6624.8	6638.0	6646.0	6640.7	6566.4	6468.3	6391.4
7.5°	6468.3	6510.7	6545.2	6598.2	6691.1	6789.2	6836.9	6821.0	6720.2	6614.2
10°	6152.7	6197.8	6280.0	6404.6	6600.9	6813.1	6990.7	7073.0	7009.3	6892.6
12.5°	5574.6	5619.6	5781.4	6051.9	6380.8	6749.4	7088.9	7309.0	7324.9	7208.2
15°	4924.8	4969.9	5142.3	5481.7	5983.0	6574.4	7141.9	7558.3	7698.8	7598.1
17.5°	4521.7	4561.5	4691.4	4964.6	5487.0	6224.3	7123.3	7823.5	8144.4	8064.8
20°	4399.7	4434.2	4495.2	4686.1	5121.1	5861.0	7001.3	8072.8	8624.4	8579.3
22.5°	4529.7	4561.5	4580.0	4664.9	4938.1	5622.3	6847.5	8327.4	9181.3	9186.6
25°	4829.3	4861.2	4839.9	4893.0	5012.3	5548.0	6789.2	8627.0	9881.5	9939.8
27.5°	5322.6	5325.3	5274.9	5272.2	5290.8	5659.4	6850.2	8947.9	10764.6	10873.3
30°	6311.8	6272.0	6078.4	5868.9	5773.5	5993.6	7019.9	9327.2	11806.8	12000.4
32.5°	7836.7	7778.4	7423.0	6921.8	6417.9	6531.9	7324.9	9759.5	12941.9	13292.0
35°	9491.6	9475.7	9104.4	8359.2	7478.7	7298.4	7820.8	10327.0	14180.4	14737.3
37.5°	11029.8	11021.8	10809.7	9931.8	8860.4	8367.1	8616.4	11069.6	15506.4	16312.6
40°	12435.4	12459.2	12247.1	11462.1	10382.7	9738.2	9698.5	11987.2	16980.9	18028.5
42.5°	13650.0	13676.5	13461.7	12880.9	11886.4	11255.2	11027.1	13111.6	18421.0	19871.6
45°	14474.8	14639.2	14607.4	14143.3	13429.9	12774.8	12623.6	14522.5	20062.6	21826.2
47.5°	14708.1	14859.3	15098.0	15161.6	14726.7	14082.3	14262.6	16222.4	21722.7	23783.4
50°	14132.6	14273.2	14769.1	15429.5	15731.8	15532.9	15856.5	18044.4	23422.7	25735.3
52.5°	12997.6	13140.8	13766.7	14811.6	16044.8	16670.6	17455.6	19839.8	25069.6	27583.7
55°	11356.0	11507.1	12310.7	13493.5	15448.1	17140.0	18789.6	21632.6	26578.6	29246.5
57.5°	9123.0	9234.4	10069.7	11724.6	13947.0	16673.3	19773.5	23589.8	28000.1	30880.2
60°	5945.8	6044.0	7014.6	8860.4	11459.4	15113.9	19969.8	25772.4	29888.3	33004.5
62.5°	3954.2	4020.5	4596.0	5951.1	8070.1	12119.8	18821.4	27514.8	32657.1	36701.4
65°	2713.0	2779.3	3354.8	4298.9	5213.9	8017.1	15519.7	27284.0	35165.9	39637.2
67.5°	1936.0	1991.7	2479.6	3370.7	3773.8	4657.0	10520.6	24335.0	34805.2	39748.6
70°	1387.0	1418.8	1821.9	2625.5	2999.4	2797.9	5850.4	18611.9	30474.4	36704.0
72.5°	970.6	981.2	1265.0	1999.6	2416.0	2042.1	2784.6	12408.8	23048.8	28809.0
75°	657.7	671.0	851.3	1466.6	1938.6	1559.4	1474.5	6653.9	13530.6	15946.6
77.5°	403.1	408.4	549.0	1002.5	1450.7	1188.1	949.4	2819.1	5235.1	5139.6
80°	228.1	228.1	350.1	623.2	989.2	766.4	665.7	1198.7	1657.5	1456.0
82.5°	127.3	129.9	254.6	387.2	655.1	453.5	366.0	554.3	716.0	633.8
85°	53.0	58.3	156.5	183.0	312.9	225.4	148.5	233.4	265.2	236.0
87.5°	5.3	8.0	47.7	34.5	37.1	45.1	21.2	45.1	37.1	37.1
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°
6102.3	0°	6102.3	6102.3	6102.3	6102.3	6102.3	6102.3	6102.3	6102.3	6102.3	6102.3
6192.5	2.5°	6142.1	6102.3	6001.5	5884.8	5731.0	5656.8	5556.0	5487.0	5428.7	5434.0
6346.3	5°	6261.4	6160.7	5935.2	5654.1	5304.1	5054.8	4789.6	4606.6	4458.1	4426.2
6558.5	7.5°	6425.9	6266.7	5871.6	5365.0	4773.6	4325.5	3925.0	3667.8	3484.8	3426.4
6815.7	10°	6638.0	6407.3	5789.4	5001.7	4150.4	3580.2	3150.6	2949.1	2824.4	2782.0
7118.0	12.5°	6884.7	6569.1	5680.6	4558.8	3508.6	2959.7	2686.5	2585.7	2545.9	2532.7
7489.3	15°	7194.9	6770.6	5516.2	4033.7	2965.0	2580.4	2463.7	2450.5	2455.8	2450.5
7934.9	17.5°	7563.6	6990.7	5248.4	3492.7	2599.0	2386.8	2344.4	2355.0	2368.3	2365.6
8433.4	20°	7966.7	7208.2	4906.2	3012.7	2349.7	2248.9	2225.1	2235.7	2246.3	2241.0
9008.9	22.5°	8425.5	7441.6	4527.0	2638.8	2182.6	2121.6	2095.1	2097.8	2097.8	2087.1
9738.2	25°	8974.5	7698.8	4129.2	2373.6	2055.3	2007.6	1975.8	1965.2	1949.2	1917.4
10624.0	27.5°	9629.5	7972.0	3747.3	2187.9	1954.5	1909.5	1872.3	1845.8	1806.0	1753.0
11687.5	30°	10366.8	8303.5	3423.8	2071.2	1875.0	1829.9	1787.5	1747.7	1689.3	1623.0
12910.1	32.5°	11234.0	8658.9	3187.7	1994.3	1803.4	1755.6	1705.3	1657.5	1593.9	1527.6
14283.8	35°	12268.3	9088.5	3049.8	1941.3	1747.7	1684.0	1628.3	1575.3	1527.6	1469.2
15776.9	37.5°	13390.1	9544.6	3007.4	1914.8	1710.6	1612.4	1548.8	1511.7	1506.4	1471.9
17392.0	40°	14618.0	10085.7	3039.2	1898.9	1670.8	1543.5	1474.5	1466.6	1479.8	1418.8
19118.5	42.5°	15917.5	10727.4	3092.3	1880.3	1615.1	1474.5	1408.2	1408.2	1397.6	1312.8
20943.1	45°	17323.0	11467.4	3145.3	1835.2	1548.8	1405.6	1355.2	1336.6	1291.5	1209.3
22778.3	47.5°	18739.2	12220.5	3185.1	1753.0	1469.2	1347.2	1302.1	1259.7	1193.4	1119.2
24579.0	50°	20083.8	12896.8	3142.7	1631.0	1379.1	1291.5	1243.8	1185.5	1113.9	1063.5
26284.2	52.5°	21285.2	13482.9	2962.3	1487.8	1283.6	1233.2	1190.8	1129.8	1071.4	1018.4
27822.4	55°	22330.1	13957.6	2644.1	1352.5	1198.7	1182.8	1140.4	1063.5	983.9	938.8
29347.3	57.5°	23332.5	14318.3	2246.3	1241.1	1121.8	1127.1	1063.5	994.5	920.3	872.5
31402.6	60°	24666.5	14801.0	1843.2	1137.7	1039.6	1055.5	986.6	936.2	843.3	782.3
34927.2	62.5°	26798.7	15551.5	1463.9	1010.4	944.1	949.4	920.3	859.3	747.9	676.3
37539.4	65°	28490.7	15275.7	1153.6	872.5	835.4	843.3	843.3	777.0	657.7	575.5
37680.0	67.5°	28299.8	13079.8	920.3	737.3	732.0	737.3	755.8	700.1	583.4	517.1
34810.5	70°	26069.4	10403.9	737.3	612.6	636.5	623.2	676.3	639.1	525.1	458.8
26987.0	72.5°	21271.9	7494.6	562.2	506.5	488.0	509.2	610.0	575.5	437.6	363.3
14294.4	75°	12430.0	3999.3	419.0	400.5	352.7	424.3	541.0	490.6	334.2	267.9
4381.1	77.5°	4047.0	1395.0	307.6	294.4	262.6	342.1	461.5	413.7	273.2	212.2
1283.6	80°	1084.7	421.7	209.5	193.6	169.7	254.6	366.0	328.9	196.2	137.9
551.6	82.5°	434.9	177.7	122.0	108.7	92.8	175.0	289.1	265.2	145.9	87.5
172.4	85°	140.6	58.3	45.1	34.5	42.4	108.7	172.4	180.3	103.4	45.1
26.5	87.5°	18.6	8.0	8.0	10.6	8.0	18.6	53.0	50.4	29.2	5.3
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°
6102.3
5381.0
4354.6
3368.1
2750.2
2524.7
2447.8
2360.3
2238.3
2081.8
1912.1
1747.7
1617.7
1530.2
1463.9
1469.2
1421.5
1312.8
1206.7
1116.5
1055.5
1013.1
933.5
867.2
774.4
671.0
567.5
506.5
450.8
355.4
259.9
204.2
135.3
87.5
34.5
0.0
0.0

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