

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: P849725

Luminaire Tested: **GLAN-SB6D-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849725
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-SB6D-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 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: 29018 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

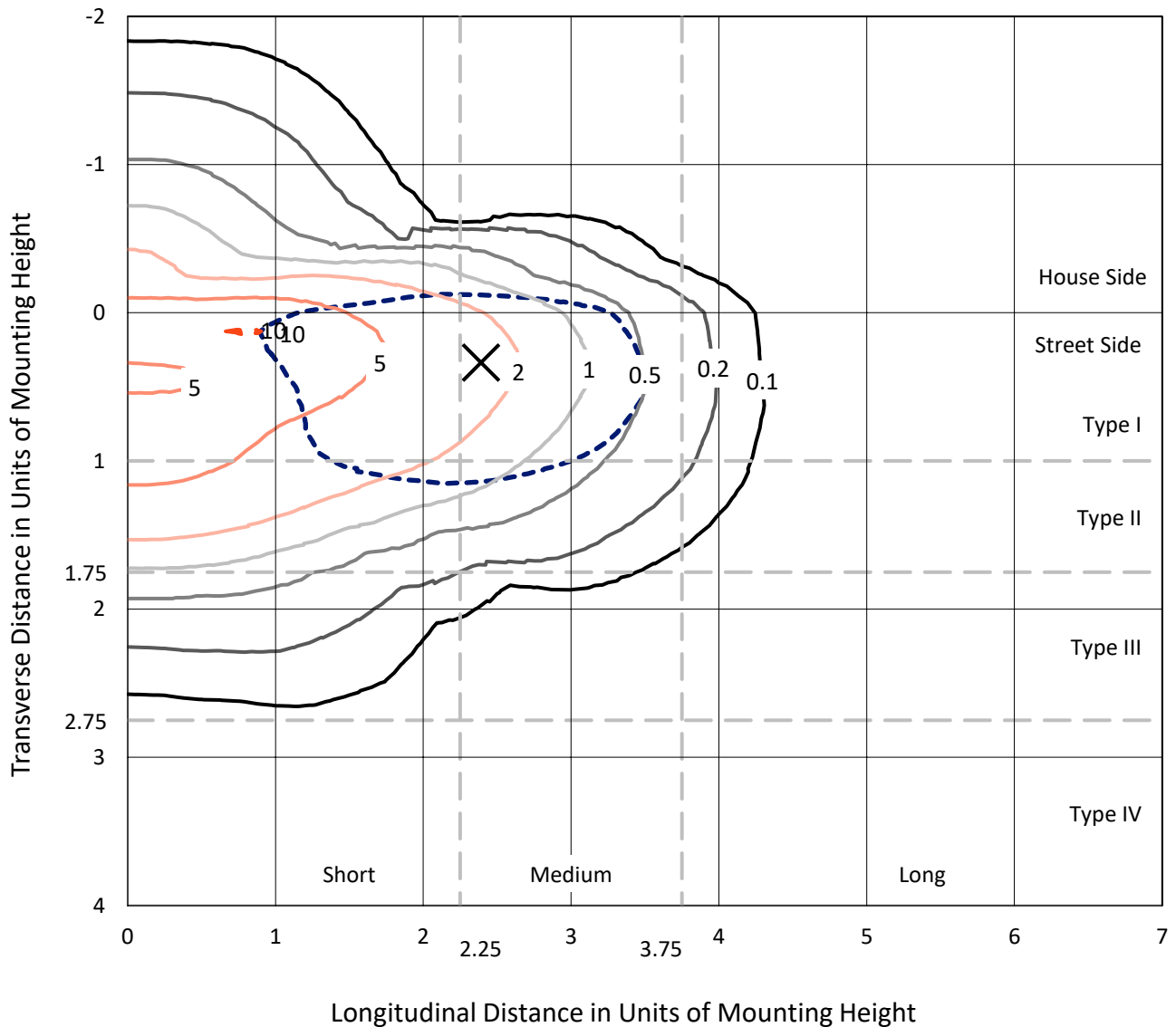
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

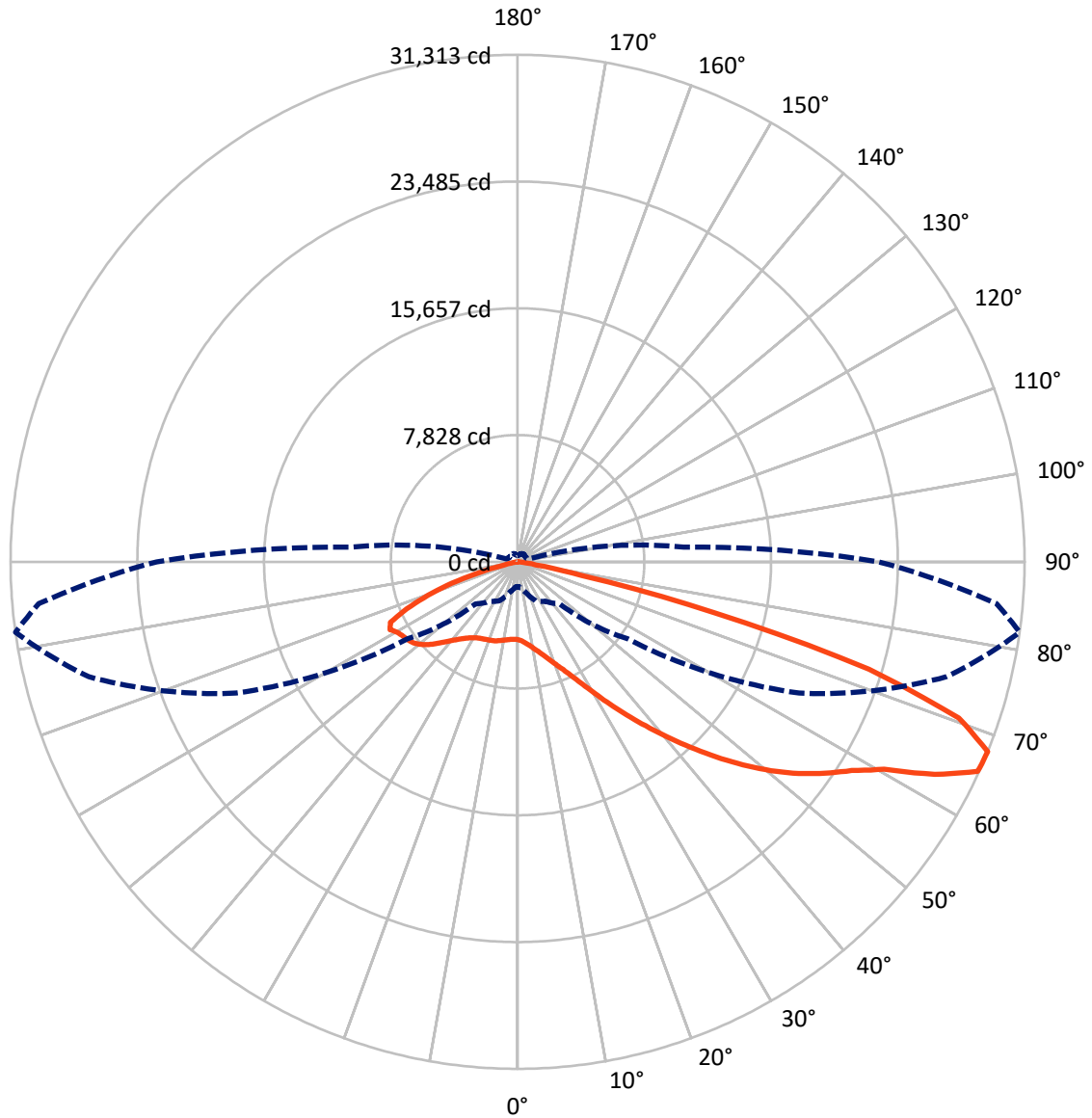
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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	5256.4	0.0	5256.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	23761.6	0.0	23761.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	29018.0	0.0	29018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.3	1.5
10°-20°	1113.0	3.8
20°-30°	1782.6	6.1
30°-40°	3152.2	10.9
40°-50°	5523.0	19.0
50°-60°	7366.1	25.4
60°-70°	6857.5	23.6
70°-80°	2631.9	9.1
80°-90°	163.5	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°	29018.0	100.0
0°-180°	29018.0	100.0

Coefficient of Utilization

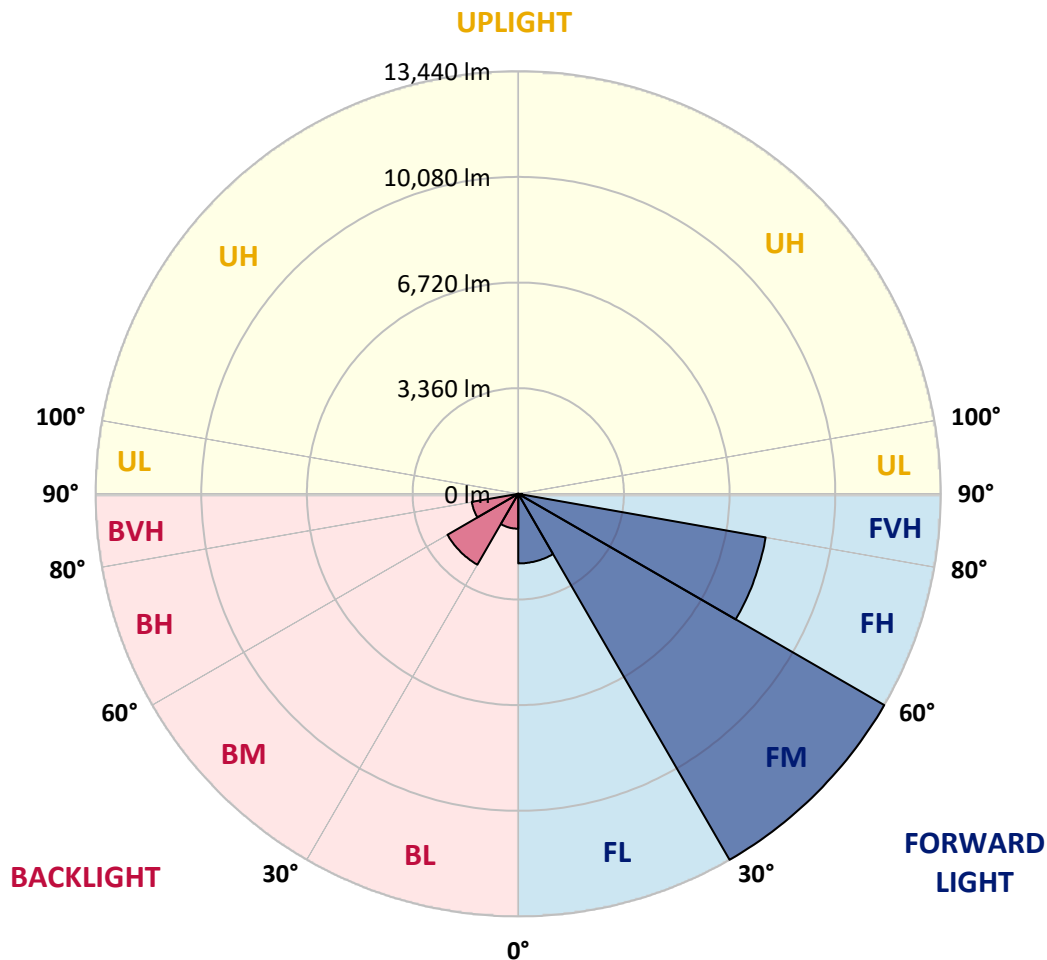


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2213.8	7.6			
FM (30°-60°)	13440.0	46.3			
FH (60°-80°)	7989.1	27.5			G4/12000
FVH (80°-90°)	118.8	0.4			G2/225
BL (0°-30°)	1110.1	3.8	B3/2500		
BM (30°-60°)	2601.4	9.0	B3/5000		
BH (60°-80°)	1500.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	44.6	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°	4807.3	4807.3	4807.3	4807.3	4807.3	4807.3	4807.3	4807.3	4807.3	4807.3
2.5°	5081.0	5110.2	5093.5	5085.2	5070.5	5049.7	5032.9	4980.7	4926.4	4890.9
5°	5183.4	5212.6	5210.5	5218.9	5229.3	5235.6	5231.4	5172.9	5095.6	5035.0
7.5°	5095.6	5129.0	5156.2	5198.0	5271.1	5348.4	5386.0	5373.5	5294.1	5210.5
10°	4847.0	4882.5	4947.3	5045.5	5200.1	5367.2	5507.2	5572.0	5521.8	5429.9
12.5°	4391.5	4427.1	4554.5	4767.6	5026.7	5317.1	5584.5	5757.9	5770.4	5678.5
15°	3879.7	3915.2	4051.0	4318.4	4713.3	5179.2	5626.3	5954.3	6065.0	5985.6
17.5°	3562.1	3593.5	3695.8	3911.0	4322.6	4903.4	5611.7	6163.2	6416.0	6353.3
20°	3466.0	3493.2	3541.2	3691.7	4034.3	4617.2	5515.5	6359.6	6794.2	6758.6
22.5°	3568.4	3593.5	3608.1	3674.9	3890.1	4429.2	5394.4	6560.2	7232.9	7237.1
25°	3804.5	3829.5	3812.8	3854.6	3948.6	4370.7	5348.4	6796.2	7784.4	7830.4
27.5°	4193.1	4195.2	4155.5	4153.4	4168.0	4458.4	5396.5	7049.0	8480.2	8565.8
30°	4972.3	4941.0	4788.5	4623.4	4548.2	4721.6	5530.2	7347.8	9301.2	9453.7
32.5°	6173.7	6127.7	5847.7	5452.9	5055.9	5145.8	5770.4	7688.3	10195.4	10471.2
35°	7477.3	7464.8	7172.3	6585.2	5891.6	5749.5	6161.1	8135.4	11171.1	11609.8
37.5°	8689.1	8682.8	8515.7	7824.1	6980.1	6591.5	6787.9	8720.4	12215.7	12850.8
40°	9796.4	9815.2	9648.0	9029.6	8179.3	7671.6	7640.3	9443.3	13377.3	14202.5
42.5°	10753.2	10774.1	10604.9	10147.4	9363.9	8866.7	8687.0	10329.1	14511.7	15654.5
45°	11403.0	11532.5	11507.4	11141.8	10579.8	10063.8	9944.7	11440.6	15805.0	17194.3
47.5°	11586.8	11705.9	11893.9	11944.1	11601.5	11093.8	11235.8	12779.8	17112.8	18736.1
50°	11133.5	11244.2	11634.9	12155.1	12393.3	12236.6	12491.5	14215.1	18452.0	20273.8
52.5°	10239.3	10352.1	10845.2	11668.3	12639.8	13132.9	13751.3	15629.5	19749.4	21730.0
55°	8946.1	9065.1	9698.2	10630.0	12169.7	13502.6	14802.1	17041.8	20938.2	23039.9
57.5°	7186.9	7274.7	7932.8	9236.5	10987.2	13134.9	15577.2	18583.6	22058.0	24326.9
60°	4684.0	4761.3	5526.0	6980.1	9027.5	11906.5	15731.8	20303.1	23545.5	26000.4
62.5°	3115.0	3167.3	3620.6	4688.2	6357.5	9547.7	14827.2	21675.7	25726.7	28912.7
65°	2137.3	2189.5	2642.9	3386.6	4107.4	6315.7	12226.1	21493.9	27703.1	31225.5
67.5°	1525.1	1569.0	1953.4	2655.4	2973.0	3668.7	8287.9	19170.7	27419.0	31313.3
70°	1092.7	1117.7	1435.3	2068.3	2362.9	2204.1	4608.8	14662.2	24007.3	28914.8
72.5°	764.7	773.0	996.6	1575.3	1903.3	1608.7	2193.7	9775.5	18157.4	22695.2
75°	518.1	528.6	670.6	1155.3	1527.2	1228.5	1161.6	5241.9	10659.2	12562.5
77.5°	317.6	321.7	432.5	789.7	1142.8	936.0	747.9	2220.8	4124.1	4048.9
80°	179.7	179.7	275.8	491.0	779.3	603.8	524.4	944.3	1305.8	1147.0
82.5°	100.3	102.4	200.6	305.0	516.0	357.3	288.3	436.6	564.1	499.3
85°	41.8	46.0	123.3	144.2	246.5	177.6	117.0	183.9	208.9	185.9
87.5°	4.2	6.3	37.6	27.2	29.2	35.5	16.7	35.5	29.2	29.2
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°
4807.3	0°	4807.3	4807.3	4807.3	4807.3	4807.3	4807.3	4807.3	4807.3	4807.3	4807.3
4878.3	2.5°	4838.6	4807.3	4727.9	4636.0	4514.8	4456.3	4376.9	4322.6	4276.6	4280.8
4999.5	5°	4932.7	4853.3	4675.7	4454.2	4178.4	3982.1	3773.1	3629.0	3512.0	3486.9
5166.6	7.5°	5062.2	4936.8	4625.5	4226.5	3760.6	3407.5	3092.0	2889.4	2745.2	2699.3
5369.3	10°	5229.3	5047.6	4560.8	3940.3	3269.6	2820.5	2482.0	2323.2	2225.0	2191.6
5607.5	12.5°	5423.6	5175.0	4475.1	3591.4	2764.0	2331.6	2116.4	2037.0	2005.7	1995.2
5900.0	15°	5668.1	5333.8	4345.6	3177.7	2335.8	2032.8	1940.9	1930.4	1934.6	1930.4
6251.0	17.5°	5958.5	5507.2	4134.6	2751.5	2047.4	1880.3	1846.9	1855.2	1865.7	1863.6
6643.7	20°	6276.0	5678.5	3865.1	2373.4	1851.1	1771.7	1752.9	1761.2	1769.6	1765.4
7097.1	22.5°	6637.5	5862.4	3566.3	2078.8	1719.4	1671.4	1650.5	1652.6	1652.6	1644.2
7671.6	25°	7069.9	6065.0	3252.9	1869.9	1619.1	1581.5	1556.5	1548.1	1535.6	1510.5
8369.4	27.5°	7586.0	6280.2	2952.1	1723.6	1539.8	1504.2	1475.0	1454.1	1422.8	1381.0
9207.2	30°	8166.8	6541.4	2697.2	1631.7	1477.1	1441.6	1408.1	1376.8	1330.8	1278.6
10170.3	32.5°	8849.9	6821.3	2511.2	1571.1	1420.7	1383.1	1343.4	1305.8	1255.6	1203.4
11252.6	35°	9664.7	7159.8	2402.6	1529.3	1376.8	1326.7	1282.8	1241.0	1203.4	1157.4
12428.8	37.5°	10548.5	7519.1	2369.2	1508.4	1347.5	1270.2	1220.1	1190.9	1186.7	1159.5
13701.1	40°	11515.8	7945.3	2394.2	1495.9	1316.2	1215.9	1161.6	1155.3	1165.8	1117.7
15061.2	42.5°	12539.5	8450.9	2436.0	1481.3	1272.3	1161.6	1109.4	1109.4	1101.0	1034.2
16498.6	45°	13646.8	9033.8	2477.8	1445.7	1220.1	1107.3	1067.6	1053.0	1017.5	952.7
17944.3	47.5°	14762.4	9627.1	2509.2	1381.0	1157.4	1061.3	1025.8	992.4	940.2	881.7
19362.9	50°	15821.7	10159.9	2475.7	1284.9	1086.4	1017.5	979.8	933.9	877.5	837.8
20706.3	52.5°	16768.1	10621.6	2333.7	1172.1	1011.2	971.5	938.1	890.0	844.0	802.3
21918.0	55°	17591.3	10995.6	2083.0	1065.5	944.3	931.8	898.4	837.8	775.1	739.6
23119.3	57.5°	18381.0	11279.7	1769.6	977.8	883.7	887.9	837.8	783.5	725.0	687.4
24738.5	60°	19431.9	11659.9	1452.0	896.3	819.0	831.5	777.2	737.5	664.4	616.3
27515.1	62.5°	21111.6	12251.2	1153.3	796.0	743.8	747.9	725.0	676.9	589.2	532.8
29572.9	65°	22444.5	12033.9	908.8	687.4	658.1	664.4	664.4	612.1	518.1	453.4
29683.7	67.5°	22294.1	10304.0	725.0	580.8	576.6	580.8	595.4	551.6	459.6	407.4
27423.1	70°	20537.1	8196.0	580.8	482.6	501.4	491.0	532.8	503.5	413.7	361.4
21259.9	72.5°	16757.7	5904.1	442.9	399.0	384.4	401.1	480.5	453.4	344.7	286.2
11260.9	75°	9792.2	3150.5	330.1	315.5	277.9	334.3	426.2	386.5	263.2	211.0
3451.4	77.5°	3188.2	1098.9	242.3	231.9	206.8	269.5	363.5	325.9	215.2	167.1
1011.2	80°	854.5	332.2	165.0	152.5	133.7	200.6	288.3	259.1	154.6	108.6
434.6	82.5°	342.6	140.0	96.1	85.7	73.1	137.9	227.7	208.9	114.9	68.9
135.8	85°	110.7	46.0	35.5	27.2	33.4	85.7	135.8	142.1	81.5	35.5
20.9	87.5°	14.6	6.3	6.3	8.4	6.3	14.6	41.8	39.7	23.0	4.2
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°
4807.3
4239.0
3430.5
2653.3
2166.5
1988.9
1928.4
1859.4
1763.3
1640.0
1506.3
1376.8
1274.4
1205.5
1153.3
1157.4
1119.8
1034.2
950.6
879.6
831.5
798.1
735.4
683.2
610.1
528.6
447.1
399.0
355.2
280.0
204.7
160.9
106.6
68.9
27.2
0.0
0.0

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