

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: P852800

Luminaire Tested: **GLAN-SB6C-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852800
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-SB6C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA 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: 33215 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

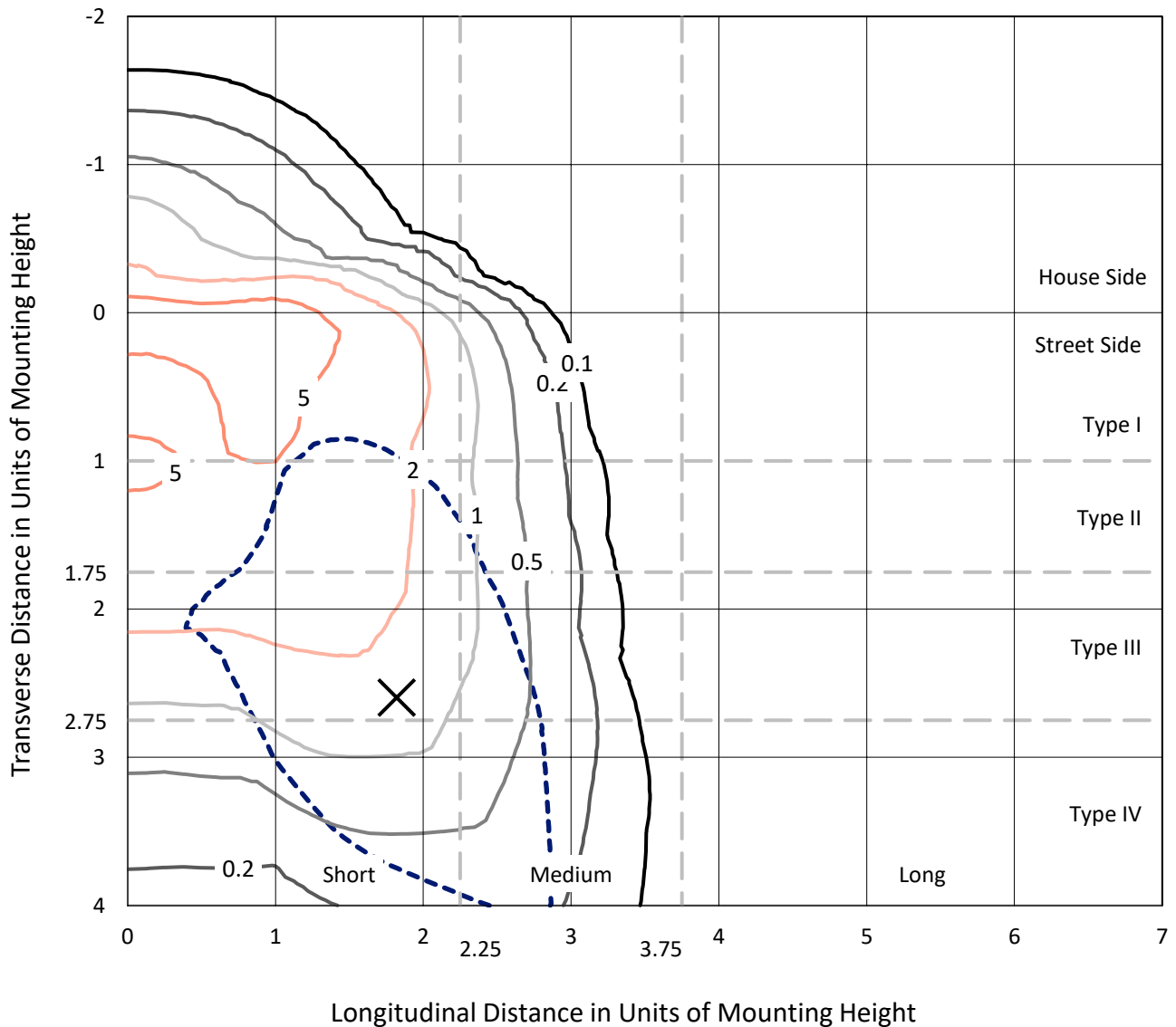
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

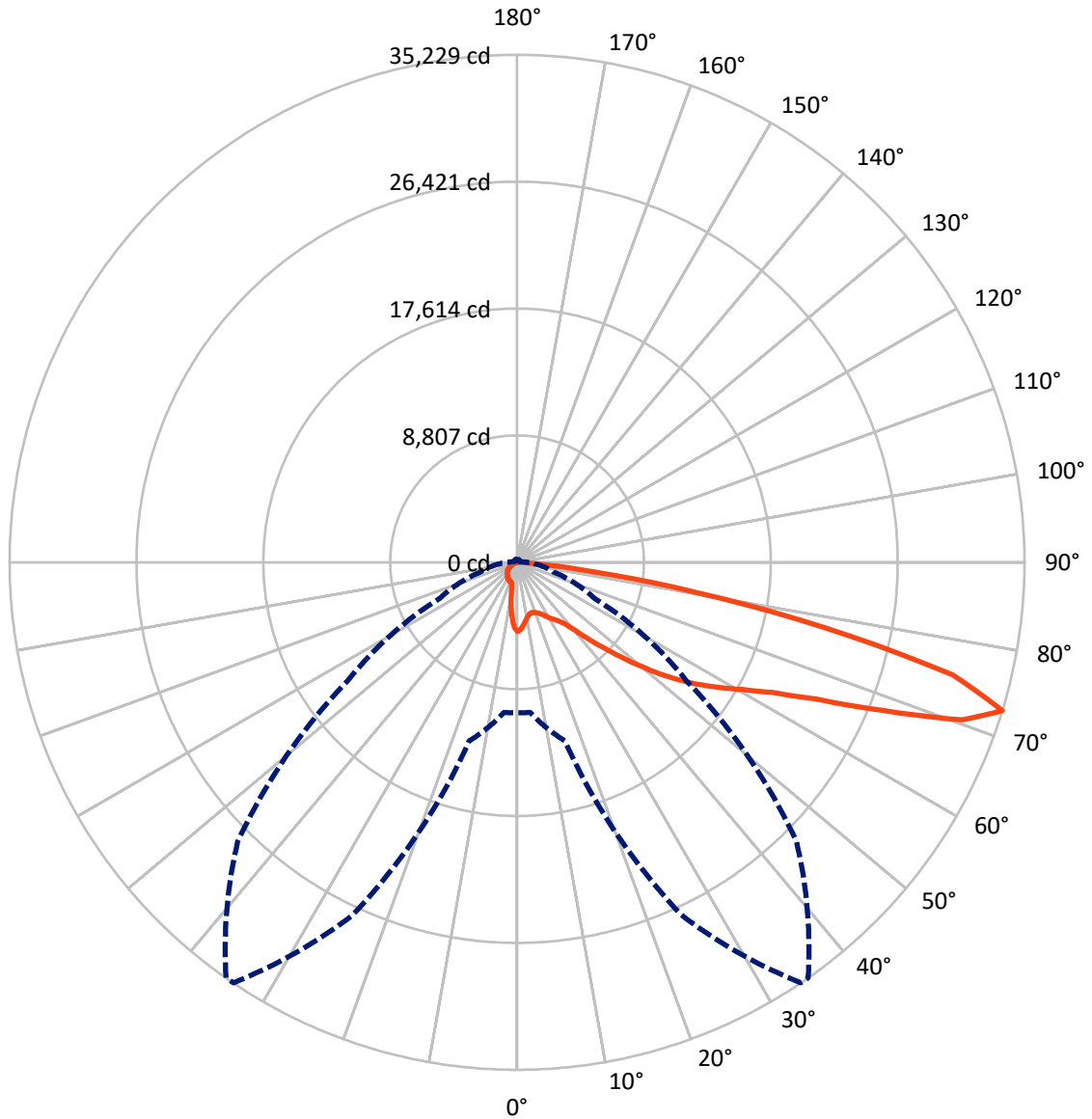
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	3738.2	0.0	3738.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	29476.8	0.0	29476.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	33215.0	0.0	33215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.6	1.2
10°-20°	925.4	2.8
20°-30°	1503.3	4.5
30°-40°	2508.3	7.6
40°-50°	4745.7	14.3
50°-60°	7540.9	22.7
60°-70°	9328.6	28.1
70°-80°	5798.7	17.5
80°-90°	468.6	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°	33215.0	100.0
0°-180°	33215.0	100.0

Coefficient of Utilization



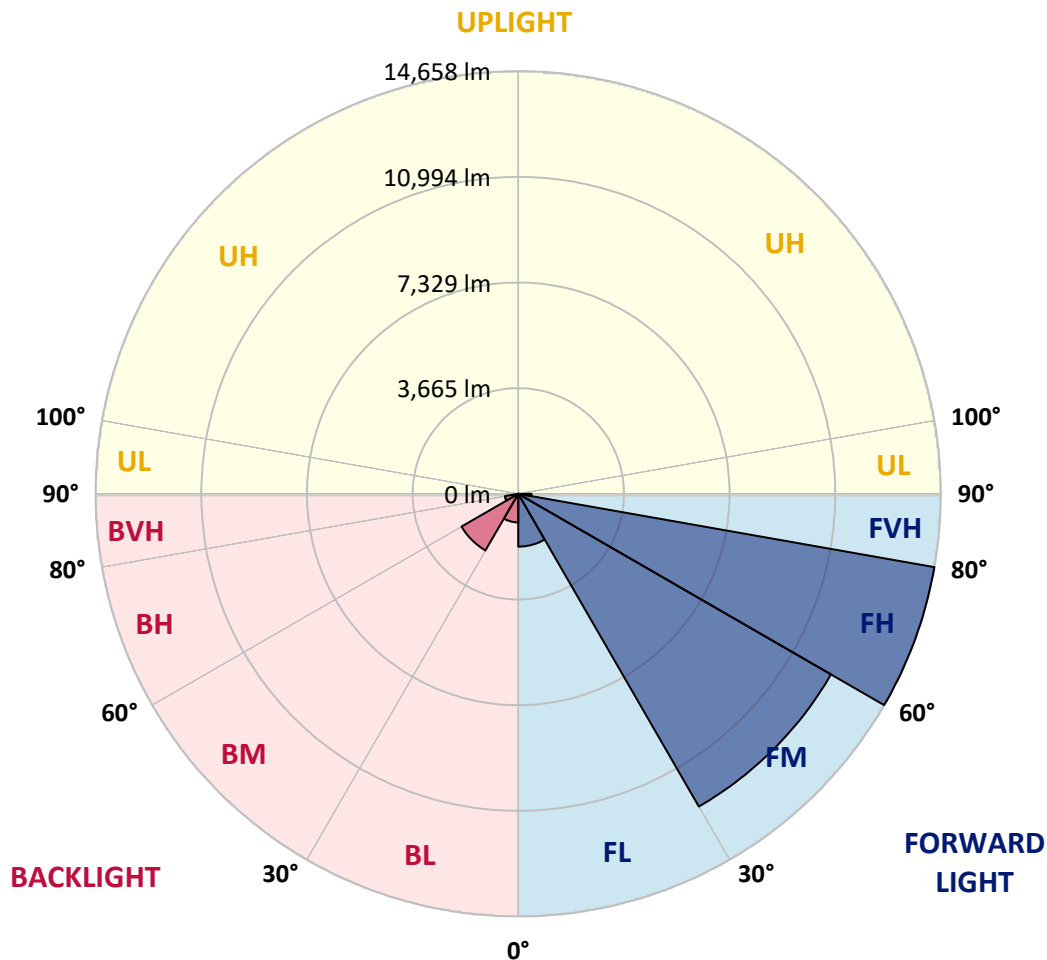
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1831.0	5.5			
FM (30°-60°)	12525.4	37.7			
FH (60°-80°)	14658.2	44.1			G5
FVH (80°-90°)	462.3	1.4			G3/500
BL (0°-30°)	993.3	3.0	B2/1000		
BM (30°-60°)	2269.4	6.8	B2/2500		
BH (60°-80°)	469.1	1.4	B1/500		G1/500
BVH (80°-90°)	6.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4814.0	4814.0	4814.0	4814.0	4814.0	4814.0	4814.0	4814.0	4814.0	4814.0
2.5°	4599.8	4638.7	4646.0	4658.2	4658.2	4672.8	4697.1	4731.2	4787.2	4816.4
5°	4239.6	4268.8	4305.3	4334.5	4390.5	4397.8	4492.7	4585.2	4714.2	4811.5
7.5°	3877.0	3911.0	3959.7	4030.3	4103.3	4125.2	4268.8	4424.6	4629.0	4811.5
10°	3621.4	3623.9	3667.7	3738.2	3855.1	3881.8	4057.1	4278.5	4534.1	4782.3
12.5°	3477.8	3494.9	3514.3	3567.9	3679.8	3696.9	3884.3	4144.7	4439.2	4765.3
15°	3477.8	3490.0	3502.2	3528.9	3619.0	3633.6	3799.1	4059.5	4390.5	4772.6
17.5°	3514.3	3533.8	3524.1	3555.7	3650.6	3660.4	3806.4	4035.2	4388.1	4818.8
20°	3602.0	3616.6	3597.1	3616.6	3711.5	3730.9	3881.8	4081.4	4429.4	4899.1
22.5°	3740.7	3748.0	3701.7	3716.3	3813.7	3838.0	4013.3	4212.8	4529.2	5028.1
25°	3915.9	3930.5	3859.9	3877.0	3969.5	3998.7	4200.7	4410.0	4687.4	5205.8
27.5°	4117.9	4125.2	4064.4	4061.9	4181.2	4222.6	4427.0	4653.3	4899.1	5429.7
30°	4349.1	4371.0	4312.6	4302.9	4453.8	4487.8	4689.8	4952.7	5210.7	5765.6
32.5°	4531.7	4548.7	4514.6	4539.0	4692.3	4719.1	5008.7	5376.2	5699.9	6242.6
35°	4794.5	4804.2	4726.4	4770.2	4945.4	5013.5	5444.3	5970.0	6315.6	6841.3
37.5°	5746.1	5746.1	5415.1	5198.5	5366.4	5427.3	6040.6	6717.2	7074.9	7644.4
40°	7062.8	7040.9	6556.5	6113.6	6091.7	6210.9	6890.0	7659.0	8055.7	8608.2
42.5°	8467.0	8433.0	7773.4	7335.3	7262.3	7303.7	7870.8	8819.9	9223.9	9783.7
45°	9713.1	9703.4	9099.8	8510.8	8379.4	8510.8	9094.9	10178.0	10467.6	11056.5
47.5°	10757.2	10757.2	10316.7	9932.2	9864.0	9941.9	10752.3	11684.5	11657.7	12412.1
50°	11959.5	11949.7	11531.1	11365.6	11436.2	11545.7	12660.4	13271.3	12889.2	13743.4
52.5°	12801.6	12860.0	12716.4	12689.6	13049.8	13239.6	14597.7	14824.0	13991.7	15006.5
55°	13468.4	13536.5	13702.0	13889.4	14583.1	14831.3	16474.1	16296.4	14914.0	16101.7
57.5°	14412.7	14315.3	14570.9	14940.8	16062.8	16362.1	18292.1	17686.1	15656.3	16990.0
60°	15559.0	15573.6	15617.4	16084.7	17540.1	17924.6	20083.3	19000.3	16133.4	17535.2
62.5°	16936.5	16958.4	17048.5	17766.4	19523.6	19886.2	21991.4	20076.0	16352.4	17381.9
65°	16841.6	16934.1	17939.2	20394.9	22539.0	22896.8	24218.3	20830.5	16021.4	15980.0
67.5°	15342.4	15493.3	17175.0	23534.4	27085.3	27484.4	26910.0	20979.0	14592.8	12426.8
70°	13375.9	13429.5	15451.9	26357.6	32349.5	32753.5	29319.4	19345.9	11073.6	6931.3
72.5°	10445.7	10457.8	12830.8	27012.2	35206.7	35228.6	27428.4	14361.6	5955.4	2662.5
75°	7461.9	7388.9	8593.6	21906.2	30974.4	31222.6	20562.8	6736.6	2275.6	1258.3
77.5°	4001.1	4081.4	4862.6	12991.4	21397.6	21821.0	11219.6	1942.1	1158.5	856.7
80°	1236.3	1304.5	1993.2	5948.1	12120.1	12375.6	4159.3	864.0	808.0	610.9
82.5°	389.4	404.0	929.7	2499.5	5030.6	5147.4	1204.7	489.2	552.5	404.0
85°	112.0	114.4	413.7	932.1	1243.6	1268.0	338.3	189.8	316.4	250.7
87.5°	12.2	38.9	155.8	155.8	109.5	107.1	36.5	41.4	90.0	31.6
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°
4814.0	0°	4814.0	4814.0	4814.0	4814.0	4814.0	4814.0	4814.0	4814.0	4814.0	4814.0
4835.9	2.5°	4823.7	4826.1	4794.5	4741.0	4682.5	4633.9	4573.0	4524.4	4490.3	4480.5
4879.7	5°	4857.8	4840.7	4750.7	4587.6	4392.9	4225.0	4037.6	3889.1	3791.8	3750.4
4925.9	7.5°	4908.9	4860.2	4663.1	4341.8	3969.5	3638.5	3302.6	3042.2	2876.7	2794.0
4969.7	10°	4952.7	4855.3	4517.0	3986.5	3417.0	2915.6	2463.0	2149.0	1973.8	1891.0
5020.8	12.5°	4994.1	4852.9	4327.2	3565.5	2794.0	2180.6	1759.6	1603.8	1555.2	1538.1
5103.6	15°	5071.9	4860.2	4088.7	3083.6	2173.3	1647.7	1494.3	1491.9	1501.6	1496.8
5230.1	17.5°	5179.0	4867.5	3818.6	2572.5	1676.9	1453.0	1445.7	1467.6	1482.2	1474.9
5388.3	20°	5317.8	4896.7	3531.4	2066.3	1440.8	1404.3	1421.3	1440.8	1453.0	1440.8
5600.1	22.5°	5512.5	4947.8	3217.4	1659.8	1365.3	1375.1	1389.7	1411.6	1423.7	1406.7
5870.2	25°	5751.0	5028.1	2908.3	1443.2	1328.8	1341.0	1362.9	1387.2	1401.8	1384.8
6210.9	27.5°	6060.0	5157.1	2623.6	1394.5	1292.3	1299.6	1331.3	1367.8	1387.2	1365.3
6695.3	30°	6507.9	5368.9	2377.8	1416.4	1270.4	1253.4	1297.2	1348.3	1370.2	1350.7
7354.8	32.5°	7101.7	5668.2	2226.9	1450.5	1260.7	1199.8	1241.2	1306.9	1343.4	1331.3
8216.4	35°	7880.5	6123.3	2168.5	1489.5	1253.4	1143.9	1173.1	1243.6	1306.9	1319.1
9301.8	37.5°	8824.8	6756.1	2185.5	1506.5	1231.5	1097.6	1112.2	1173.1	1255.8	1294.8
10523.6	40°	9898.1	7493.5	2282.9	1489.5	1207.1	1058.7	1061.1	1107.4	1180.4	1238.8
11837.8	42.5°	11005.4	8355.1	2463.0	1426.2	1185.2	1024.6	1017.3	1048.9	1097.6	1139.0
13149.6	45°	12059.3	9241.0	2640.6	1338.6	1158.5	990.5	973.5	985.7	995.4	1012.4
14427.3	47.5°	12979.2	9864.0	2589.5	1258.3	1122.0	951.6	922.4	917.5	888.3	885.9
15568.7	50°	13614.4	10000.3	2299.9	1177.9	1068.4	907.8	861.5	832.3	781.2	756.9
16423.0	52.5°	13816.4	9462.4	1878.9	1097.6	980.8	849.4	783.7	737.4	674.2	652.2
16914.6	55°	13548.7	8408.6	1501.6	1000.3	859.1	771.5	698.5	637.6	586.5	559.8
16968.1	57.5°	12894.0	7067.6	1187.7	885.9	730.1	683.9	610.9	550.0	506.2	479.4
16374.3	60°	11808.6	5612.2	939.4	749.6	623.0	589.0	513.5	474.6	435.6	404.0
14841.0	62.5°	10160.9	4006.0	737.4	593.8	520.8	481.9	438.1	408.9	362.6	318.8
12083.6	65°	7929.2	2450.8	569.5	435.6	418.6	399.1	372.4	345.6	289.6	245.8
7882.9	67.5°	5001.4	1160.9	406.4	328.6	331.0	321.3	309.1	287.2	245.8	206.9
3531.4	70°	2202.5	562.2	267.7	250.7	245.8	245.8	255.5	248.2	209.3	172.8
1226.6	72.5°	749.6	301.8	199.6	189.8	177.7	175.2	214.2	206.9	167.9	133.9
610.9	75°	391.8	202.0	146.0	136.3	107.1	129.0	170.4	160.6	119.3	87.6
404.0	77.5°	255.5	143.6	99.8	87.6	60.8	85.2	126.6	112.0	70.6	43.8
265.3	80°	160.6	94.9	58.4	41.4	29.2	46.2	68.1	48.7	26.8	9.7
155.8	82.5°	85.2	48.7	21.9	14.6	12.2	14.6	17.0	12.2	4.9	0.0
80.3	85°	34.1	17.0	7.3	4.9	2.4	0.0	4.9	2.4	0.0	0.0
14.6	87.5°	12.2	2.4	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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180°
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4814.0
4497.6
3765.0
2806.1
1893.5
1533.3
1494.3
1472.4
1438.3
1404.3
1382.4
1365.3
1348.3
1331.3
1319.1
1304.5
1258.3
1156.0
1022.2
883.5
759.3
649.8
559.8
474.6
396.7
311.5
238.5
202.0
165.5
126.6
80.3
38.9
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