

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: P849295

Luminaire Tested: **GLAN-SB6B-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849295
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-SB6B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA 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: 24469 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

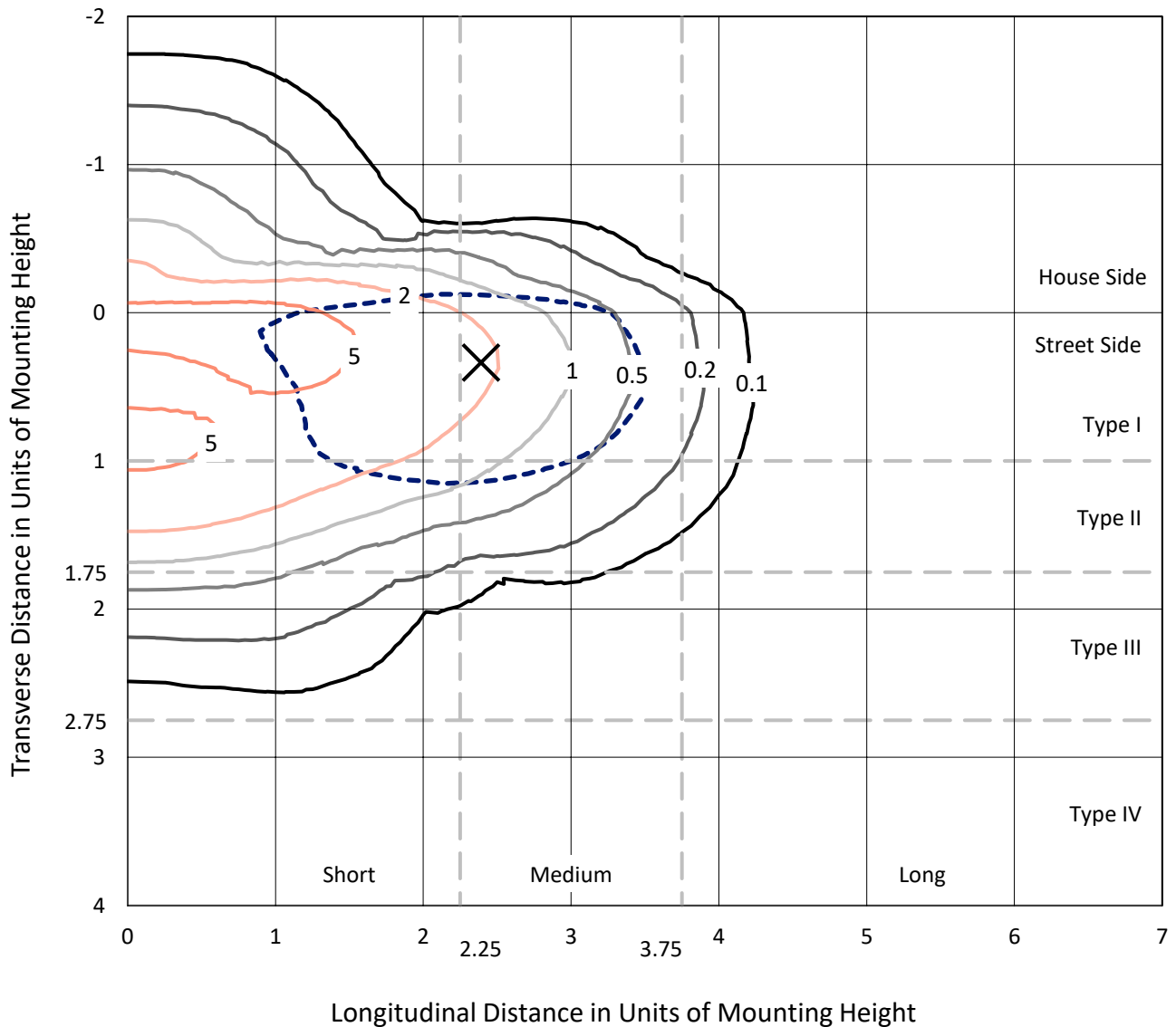
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

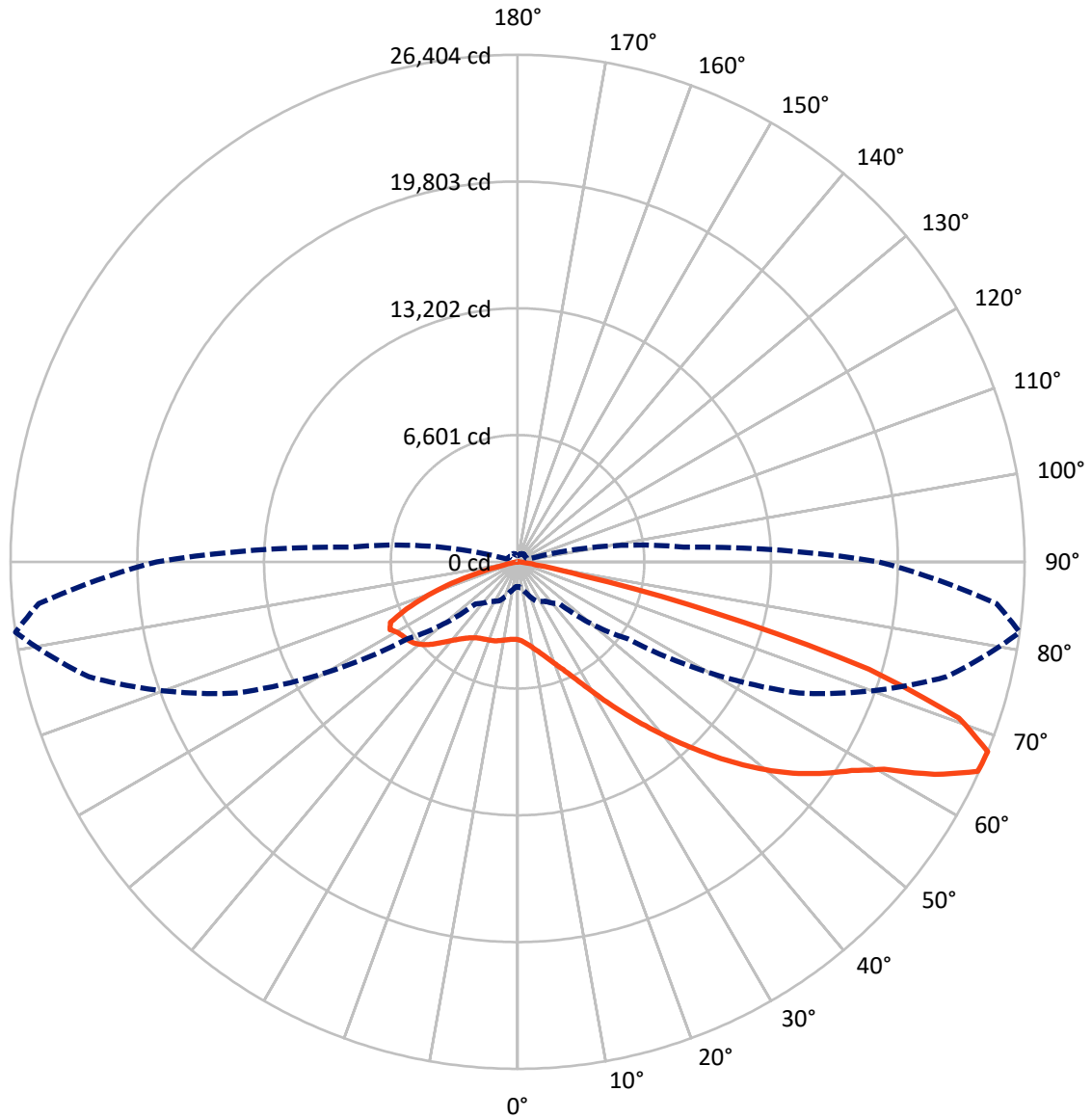
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	4432.3	0.0	4432.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20036.6	0.0	20036.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	24469.0	0.0	24469.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.2	1.5
10°-20°	938.5	3.8
20°-30°	1503.2	6.1
30°-40°	2658.1	10.9
40°-50°	4657.2	19.0
50°-60°	6211.4	25.4
60°-70°	5782.5	23.6
70°-80°	2219.3	9.1
80°-90°	137.8	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°	24469.0	100.0
0°-180°	24469.0	100.0

Coefficient of Utilization



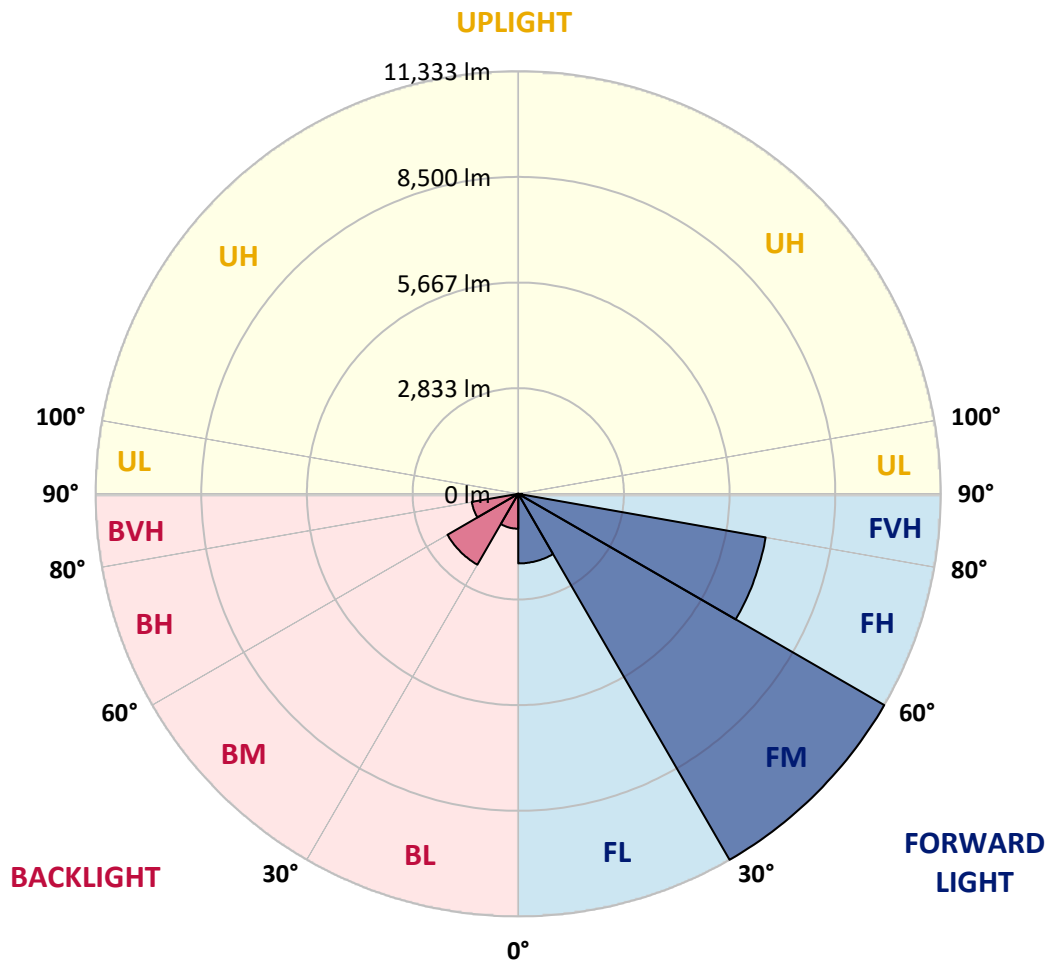
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1866.7	7.6			
FM (30°-60°)	11333.0	46.3			
FH (60°-80°)	6736.7	27.5			G3/7500
FVH (80°-90°)	100.2	0.4			G2/225
BL (0°-30°)	936.1	3.8	B2/1000		
BM (30°-60°)	2193.5	9.0	B2/2500		
BH (60°-80°)	1265.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	37.6	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4053.7	4053.7	4053.7	4053.7	4053.7	4053.7	4053.7	4053.7	4053.7	4053.7
2.5°	4284.5	4309.1	4295.0	4288.0	4275.7	4258.0	4243.9	4199.9	4154.1	4124.2
5°	4370.8	4395.5	4393.7	4400.7	4409.5	4414.8	4411.3	4362.0	4296.8	4245.7
7.5°	4296.8	4325.0	4347.9	4383.1	4444.8	4510.0	4541.7	4531.1	4464.2	4393.7
10°	4087.2	4117.1	4171.7	4254.5	4384.9	4525.8	4643.9	4698.5	4656.2	4578.7
12.5°	3703.1	3733.1	3840.5	4020.2	4238.7	4483.5	4709.0	4855.3	4865.8	4788.3
15°	3271.5	3301.4	3415.9	3641.4	3974.4	4367.3	4744.3	5020.9	5114.2	5047.3
17.5°	3003.7	3030.1	3116.5	3297.9	3645.0	4134.7	4731.9	5197.0	5410.2	5357.3
20°	2922.7	2945.6	2986.1	3112.9	3401.9	3893.4	4650.9	5362.6	5729.1	5699.1
22.5°	3009.0	3030.1	3042.5	3098.8	3280.3	3734.8	4548.7	5531.8	6099.0	6102.5
25°	3208.1	3229.2	3215.1	3250.3	3329.6	3685.5	4510.0	5730.8	6564.1	6602.9
27.5°	3535.7	3537.5	3504.0	3502.3	3514.6	3759.5	4550.5	5944.0	7150.8	7223.0
30°	4192.9	4166.4	4037.8	3898.7	3835.2	3981.5	4663.2	6195.9	7843.1	7971.7
32.5°	5205.8	5167.1	4931.0	4598.1	4263.3	4339.1	4865.8	6483.1	8597.1	8829.7
35°	6305.1	6294.6	6047.9	5552.9	4968.0	4848.2	5195.3	6860.1	9419.8	9789.8
37.5°	7326.9	7321.6	7180.7	6597.6	5885.9	5558.2	5723.8	7353.4	10300.7	10836.3
40°	8260.6	8276.5	8135.6	7614.1	6897.1	6469.0	6442.6	7962.9	11280.2	11976.1
42.5°	9067.5	9085.1	8942.4	8556.6	7896.0	7476.7	7325.2	8709.9	12236.8	13200.5
45°	9615.4	9724.6	9703.5	9395.2	8921.3	8486.1	8385.7	9647.1	13327.3	14498.8
47.5°	9770.4	9870.8	10029.4	10071.7	9782.8	9354.7	9474.5	10776.4	14430.1	15799.0
50°	9388.1	9481.5	9810.9	10249.6	10450.4	10318.3	10533.2	11986.6	15559.4	17095.6
52.5°	8634.1	8729.3	9145.0	9839.1	10658.3	11074.1	11595.5	13179.3	16653.4	18323.5
55°	7543.6	7644.0	8177.8	8963.6	10261.9	11385.9	12481.7	14370.2	17655.8	19428.1
57.5°	6060.3	6134.3	6689.2	7788.5	9264.8	11075.8	13135.3	15670.4	18600.1	20513.3
60°	3949.7	4014.9	4659.7	5885.9	7612.3	10040.0	13265.6	17120.3	19854.4	21924.4
62.5°	2626.7	2670.7	3053.0	3953.3	5360.9	8051.0	12502.8	18277.7	21693.6	24380.2
65°	1802.2	1846.3	2228.6	2855.7	3463.5	5325.6	10309.5	18124.4	23360.2	26330.5
67.5°	1286.0	1323.0	1647.2	2239.1	2506.9	3093.6	6988.7	16165.4	23120.6	26404.4
70°	921.4	942.5	1210.3	1744.1	1992.5	1858.6	3886.3	12363.7	20243.8	24382.0
72.5°	644.8	651.8	840.3	1328.3	1604.9	1356.5	1849.8	8243.0	15311.0	19137.4
75°	436.9	445.7	565.5	974.2	1287.8	1035.9	979.5	4420.1	8988.2	10593.1
77.5°	267.8	271.3	364.7	665.9	963.7	789.2	630.7	1872.7	3477.6	3414.2
80°	151.5	151.5	232.5	414.0	657.1	509.1	442.2	796.3	1101.1	967.2
82.5°	84.6	86.3	169.1	257.2	435.1	301.3	243.1	368.2	475.7	421.0
85°	35.2	38.8	103.9	121.6	207.9	149.7	98.7	155.0	176.2	156.8
87.5°	3.5	5.3	31.7	22.9	24.7	29.9	14.1	29.9	24.7	24.7
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°
4053.7	0°	4053.7	4053.7	4053.7	4053.7	4053.7	4053.7	4053.7	4053.7	4053.7	4053.7
4113.6	2.5°	4080.1	4053.7	3986.7	3909.2	3807.0	3757.7	3690.8	3645.0	3606.2	3609.7
4215.8	5°	4159.4	4092.4	3942.7	3756.0	3523.4	3357.8	3181.6	3060.1	2961.4	2940.3
4356.7	7.5°	4268.6	4162.9	3900.4	3563.9	3171.1	2873.3	2607.3	2436.4	2314.9	2276.1
4527.6	10°	4409.5	4256.3	3845.8	3322.6	2757.1	2378.3	2092.9	1959.0	1876.2	1848.0
4728.4	12.5°	4573.4	4363.7	3773.6	3028.4	2330.7	1966.1	1784.6	1717.7	1691.2	1682.4
4975.1	15°	4779.5	4497.6	3664.3	2679.6	1969.6	1714.1	1636.6	1627.8	1631.3	1627.8
5271.0	17.5°	5024.4	4643.9	3486.4	2320.2	1726.5	1585.5	1557.3	1564.4	1573.2	1571.4
5602.2	20°	5292.2	4788.3	3259.2	2001.3	1560.9	1493.9	1478.1	1485.1	1492.2	1488.6
5984.5	22.5°	5596.9	4943.3	3007.2	1752.9	1449.9	1409.4	1391.7	1393.5	1393.5	1386.5
6469.0	25°	5961.6	5114.2	2743.0	1576.7	1365.3	1333.6	1312.5	1305.4	1294.9	1273.7
7057.4	27.5°	6396.8	5295.7	2489.3	1453.4	1298.4	1268.4	1243.8	1226.1	1199.7	1164.5
7763.8	30°	6886.5	5515.9	2274.4	1375.9	1245.5	1215.6	1187.4	1161.0	1122.2	1078.2
8576.0	32.5°	7462.6	5752.0	2117.6	1324.8	1198.0	1166.2	1132.8	1101.1	1058.8	1014.7
9488.5	35°	8149.7	6037.4	2026.0	1289.6	1161.0	1118.7	1081.7	1046.5	1014.7	976.0
10480.4	37.5°	8894.9	6340.4	1997.8	1272.0	1136.3	1071.1	1028.8	1004.2	1000.6	977.7
11553.3	40°	9710.5	6699.8	2018.9	1261.4	1109.9	1025.3	979.5	974.2	983.0	942.5
12700.1	42.5°	10573.8	7126.1	2054.1	1249.0	1072.9	979.5	935.5	935.5	928.4	872.0
13912.2	45°	11507.5	7617.6	2089.4	1219.1	1028.8	933.7	900.2	887.9	858.0	803.3
15131.3	47.5°	12448.2	8117.9	2115.8	1164.5	976.0	894.9	865.0	836.8	792.8	743.4
16327.5	50°	13341.4	8567.2	2087.6	1083.4	916.1	858.0	826.2	787.5	739.9	706.4
17460.3	52.5°	14139.5	8956.5	1967.8	988.3	852.7	819.2	791.0	750.5	711.7	676.5
18482.1	55°	14833.6	9271.9	1756.4	898.5	796.3	785.7	757.5	706.4	653.6	623.6
19495.0	57.5°	15499.5	9511.5	1492.2	824.5	745.2	748.7	706.4	660.6	611.3	579.6
20860.4	60°	16385.6	9832.1	1224.4	755.8	690.6	701.2	655.4	621.9	560.2	519.7
23201.7	62.5°	17802.0	10330.6	972.5	671.2	627.2	630.7	611.3	570.8	496.8	449.2
24936.9	65°	18926.0	10147.4	766.3	579.6	554.9	560.2	560.2	516.2	436.9	382.3
25030.3	67.5°	18799.2	8688.7	611.3	489.8	486.2	489.8	502.1	465.1	387.6	343.5
23124.2	70°	17317.6	6911.2	489.8	407.0	422.8	414.0	449.2	424.6	348.8	304.8
17927.1	72.5°	14130.6	4978.6	373.5	336.5	324.2	338.2	405.2	382.3	290.7	241.4
9495.6	75°	8257.1	2656.7	278.3	266.0	234.3	281.9	359.4	325.9	222.0	177.9
2910.3	77.5°	2688.4	926.7	204.4	195.5	174.4	227.3	306.5	274.8	181.5	140.9
852.7	80°	720.5	280.1	139.2	128.6	112.7	169.1	243.1	218.5	130.4	91.6
366.4	82.5°	288.9	118.0	81.0	72.2	61.7	116.3	192.0	176.2	96.9	58.1
114.5	85°	93.4	38.8	29.9	22.9	28.2	72.2	114.5	119.8	68.7	29.9
17.6	87.5°	12.3	5.3	5.3	7.0	5.3	12.3	35.2	33.5	19.4	3.5
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°
4053.7
3574.5
2892.7
2237.4
1826.9
1677.1
1626.1
1567.9
1486.9
1382.9
1270.2
1161.0
1074.6
1016.5
972.5
976.0
944.3
872.0
801.6
741.7
701.2
673.0
620.1
576.1
514.4
445.7
377.0
336.5
299.5
236.1
172.6
135.7
89.8
58.1
22.9
0.0
0.0

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