

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: P848885

Luminaire Tested: **GLAN-SB5C-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848885
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-SB5C-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 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: 18637 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

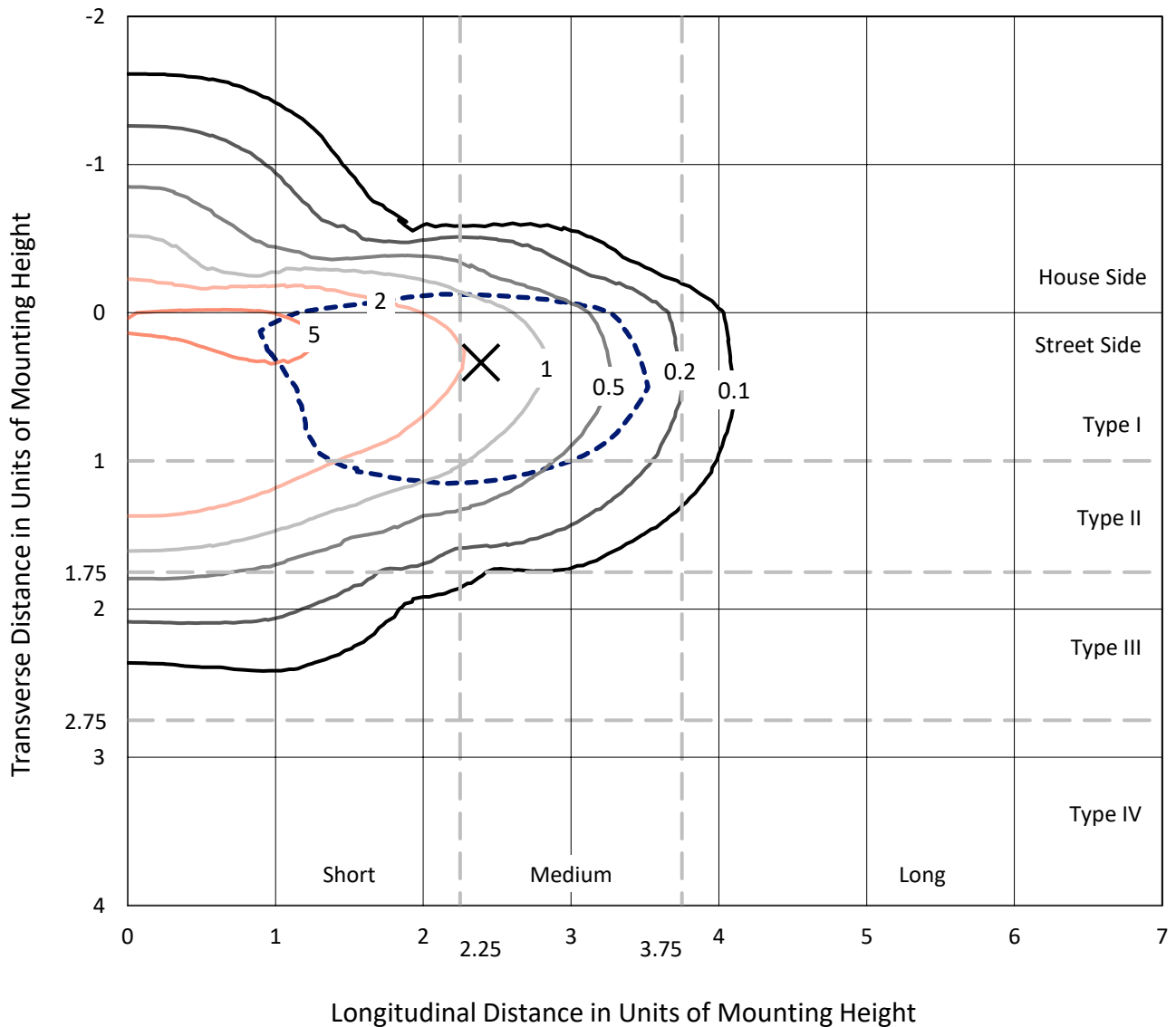
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

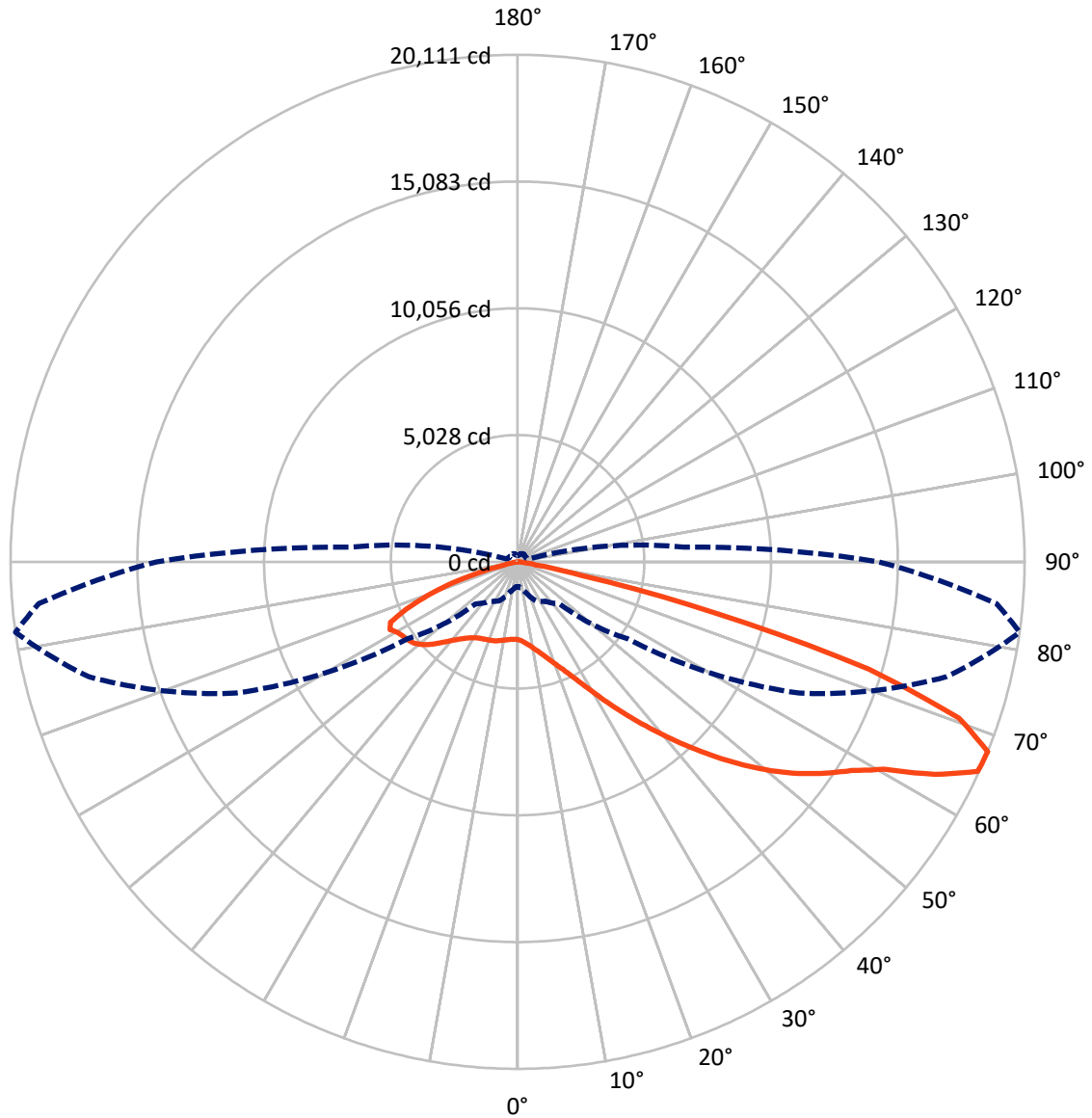
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	3375.9	0.0	3375.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	15261.1	0.0	15261.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	18637.0	0.0	18637.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.1	1.5
10°-20°	714.8	3.8
20°-30°	1144.9	6.1
30°-40°	2024.5	10.9
40°-50°	3547.2	19.0
50°-60°	4730.9	25.4
60°-70°	4404.3	23.6
70°-80°	1690.3	9.1
80°-90°	105.0	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°	18637.0	100.0
0°-180°	18637.0	100.0

Coefficient of Utilization

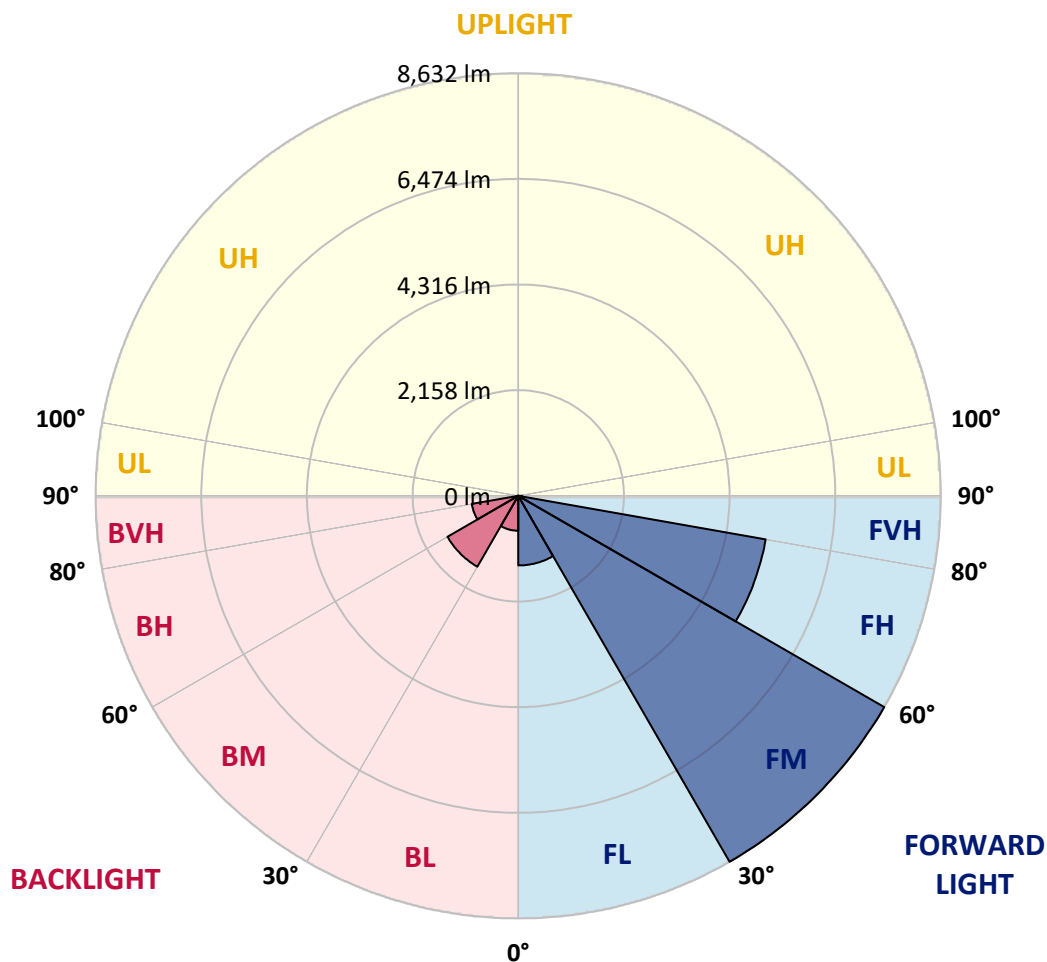


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1421.8	7.6			
FM (30°-60°)	8631.9	46.3			
FH (60°-80°)	5131.0	27.5			G3/7500
FVH (80°-90°)	76.3	0.4			G1/100
BL (0°-30°)	713.0	3.8	B2/1000		
BM (30°-60°)	1670.7	9.0	B2/2500		
BH (60°-80°)	963.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	28.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3087.5	3087.5	3087.5	3087.5	3087.5	3087.5	3087.5	3087.5	3087.5	3087.5
2.5°	3263.3	3282.1	3271.3	3266.0	3256.6	3243.2	3232.4	3198.9	3164.0	3141.2
5°	3329.0	3347.8	3346.5	3351.9	3358.6	3362.6	3359.9	3322.3	3272.7	3233.8
7.5°	3272.7	3294.2	3311.6	3338.4	3385.4	3435.1	3459.2	3451.2	3400.2	3346.5
10°	3113.0	3135.8	3177.4	3240.5	3339.8	3447.1	3537.0	3578.6	3546.4	3487.4
12.5°	2820.5	2843.3	2925.2	3062.0	3228.4	3414.9	3586.7	3698.0	3706.1	3647.1
15°	2491.8	2514.6	2601.8	2773.5	3027.1	3326.4	3613.5	3824.2	3895.3	3844.3
17.5°	2287.8	2307.9	2373.7	2511.9	2776.2	3149.2	3604.1	3958.4	4120.7	4080.5
20°	2226.1	2243.5	2274.4	2371.0	2591.0	2965.4	3542.4	4084.5	4363.6	4340.8
22.5°	2291.8	2307.9	2317.3	2360.3	2498.5	2844.7	3464.6	4213.3	4645.4	4648.1
25°	2443.4	2459.5	2448.8	2475.7	2536.0	2807.1	3435.1	4364.9	4999.6	5029.1
27.5°	2693.0	2694.4	2668.9	2667.5	2676.9	2863.4	3465.9	4527.3	5446.4	5501.4
30°	3193.5	3173.4	3075.4	2969.4	2921.1	3032.5	3551.8	4719.2	5973.8	6071.7
32.5°	3965.1	3935.5	3755.7	3502.1	3247.2	3304.9	3706.1	4937.9	6548.1	6725.2
35°	4802.4	4794.3	4606.5	4229.4	3783.9	3692.7	3957.0	5225.0	7174.7	7456.5
37.5°	5580.6	5576.6	5469.2	5025.1	4483.0	4233.4	4359.6	5600.7	7845.6	8253.5
40°	6291.8	6303.9	6196.5	5799.3	5253.2	4927.2	4907.0	6065.0	8591.7	9121.7
42.5°	6906.3	6919.7	6811.1	6517.2	6014.0	5694.7	5579.3	6633.9	9320.3	10054.2
45°	7323.6	7406.8	7390.7	7155.9	6795.0	6463.5	6387.0	7347.8	10150.8	11043.2
47.5°	7441.7	7518.2	7639.0	7671.2	7451.1	7125.0	7216.3	8207.9	10990.8	12033.4
50°	7150.5	7221.7	7472.6	7806.7	7959.7	7859.0	8022.7	9129.7	11850.9	13021.0
52.5°	6576.2	6648.7	6965.4	7494.0	8118.0	8434.7	8831.8	10038.1	12684.2	13956.2
55°	5745.7	5822.1	6228.7	6827.2	7816.1	8672.2	9506.8	10945.2	13447.7	14797.6
57.5°	4615.8	4672.2	5094.9	5932.2	7056.6	8436.0	10004.6	11935.5	14166.9	15624.1
60°	3008.4	3058.0	3549.1	4483.0	5798.0	7647.0	10103.9	13039.8	15122.3	16698.9
62.5°	2000.6	2034.2	2325.4	3011.0	4083.1	6132.1	9522.9	13921.3	16523.1	18569.4
65°	1372.7	1406.2	1697.4	2175.1	2638.0	4056.3	7852.3	13804.6	17792.5	20054.8
67.5°	979.5	1007.7	1254.6	1705.4	1909.4	2356.2	5323.0	12312.5	17610.0	20111.1
70°	701.8	717.9	921.8	1328.4	1517.6	1415.6	2960.0	9416.9	15418.8	18570.7
72.5°	491.1	496.5	640.0	1011.7	1222.4	1033.2	1408.9	6278.4	11661.7	14576.2
75°	332.8	339.5	430.7	742.0	980.9	789.0	746.1	3366.6	6845.9	8068.3
77.5°	204.0	206.6	277.8	507.2	734.0	601.1	480.4	1426.4	2648.7	2600.4
80°	115.4	115.4	177.1	315.3	500.5	387.8	336.8	606.5	838.6	736.7
82.5°	64.4	65.7	128.8	195.9	331.4	229.5	185.2	280.4	362.3	320.7
85°	26.8	29.5	79.2	92.6	158.3	114.1	75.1	118.1	134.2	119.4
87.5°	2.7	4.0	24.2	17.4	18.8	22.8	10.7	22.8	18.8	18.8
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°
3087.5	0°	3087.5	3087.5	3087.5	3087.5	3087.5	3087.5	3087.5	3087.5	3087.5	3087.5
3133.1	2.5°	3107.6	3087.5	3036.5	2977.5	2899.7	2862.1	2811.1	2776.2	2746.7	2749.4
3211.0	5°	3168.0	3117.0	3003.0	2860.8	2683.6	2557.5	2423.3	2330.7	2255.6	2239.5
3318.3	7.5°	3251.2	3170.7	2970.8	2714.5	2415.3	2188.5	1985.9	1855.7	1763.1	1733.6
3448.5	10°	3358.6	3241.8	2929.2	2530.7	2099.9	1811.5	1594.1	1492.1	1429.0	1407.6
3601.4	12.5°	3483.4	3323.7	2874.2	2306.6	1775.2	1497.5	1359.3	1308.3	1288.1	1281.4
3789.3	15°	3640.3	3425.7	2791.0	2040.9	1500.2	1305.6	1246.5	1239.8	1242.5	1239.8
4014.7	17.5°	3826.9	3537.0	2655.5	1767.2	1315.0	1207.6	1186.2	1191.5	1198.2	1196.9
4267.0	20°	4030.8	3647.1	2482.4	1524.3	1188.8	1137.9	1125.8	1131.2	1136.5	1133.8
4558.2	22.5°	4263.0	3765.1	2290.5	1335.1	1104.3	1073.5	1060.0	1061.4	1061.4	1056.0
4927.2	25°	4540.7	3895.3	2089.2	1200.9	1039.9	1015.8	999.7	994.3	986.2	970.1
5375.3	27.5°	4872.1	4033.5	1896.0	1107.0	988.9	966.1	947.3	933.9	913.8	886.9
5913.4	30°	5245.2	4201.2	1732.3	1048.0	948.7	925.9	904.4	884.3	854.7	821.2
6532.0	32.5°	5683.9	4381.0	1612.9	1009.0	912.4	888.3	862.8	838.6	806.4	772.9
7227.0	35°	6207.2	4598.4	1543.1	982.2	884.3	852.1	823.9	797.0	772.9	743.4
7982.5	37.5°	6774.8	4829.2	1521.6	968.8	865.5	815.8	783.6	764.8	762.2	744.7
8799.6	40°	7396.1	5102.9	1537.7	960.7	845.3	780.9	746.1	742.0	748.7	717.9
9673.2	42.5°	8053.6	5427.6	1564.6	951.3	817.2	746.1	712.5	712.5	707.1	664.2
10596.3	45°	8764.7	5802.0	1591.4	928.5	783.6	711.2	685.7	676.3	653.5	611.9
11524.9	47.5°	9481.3	6183.1	1611.5	886.9	743.4	681.6	658.8	637.4	603.8	566.2
12436.0	50°	10161.6	6525.3	1590.1	825.2	697.7	653.5	629.3	599.8	563.6	538.1
13298.7	52.5°	10769.4	6821.8	1498.8	752.8	649.4	623.9	602.5	571.6	542.1	515.3
14077.0	55°	11298.1	7062.0	1337.8	684.3	606.5	598.5	577.0	538.1	497.8	475.0
14848.5	57.5°	11805.3	7244.5	1136.5	628.0	567.6	570.3	538.1	503.2	465.6	441.5
15888.5	60°	12480.2	7488.7	932.6	575.6	526.0	534.0	499.2	473.7	426.7	395.8
17671.7	62.5°	13559.1	7868.4	740.7	511.2	477.7	480.4	465.6	434.7	378.4	342.2
18993.4	65°	14415.1	7728.9	583.7	441.5	422.7	426.7	426.7	393.2	332.8	291.2
19064.5	67.5°	14318.5	6617.8	465.6	373.0	370.3	373.0	382.4	354.2	295.2	261.7
17612.7	70°	13190.1	5263.9	373.0	310.0	322.0	315.3	342.2	323.4	265.7	232.1
13654.3	72.5°	10762.7	3792.0	284.5	256.3	246.9	257.6	308.6	291.2	221.4	183.8
7232.4	75°	6289.1	2023.5	212.0	202.6	178.5	214.7	273.7	248.2	169.1	135.5
2216.7	77.5°	2047.6	705.8	155.7	148.9	132.8	173.1	233.5	209.3	138.2	107.3
649.4	80°	548.8	213.3	106.0	98.0	85.9	128.8	185.2	166.4	99.3	69.8
279.1	82.5°	220.1	89.9	61.7	55.0	47.0	88.6	146.3	134.2	73.8	44.3
87.2	85°	71.1	29.5	22.8	17.4	21.5	55.0	87.2	91.2	52.3	22.8
13.4	87.5°	9.4	4.0	4.0	5.4	4.0	9.4	26.8	25.5	14.8	2.7
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°
3087.5
2722.5
2203.3
1704.1
1391.5
1277.4
1238.5
1194.2
1132.5
1053.3
967.4
884.3
818.5
774.2
740.7
743.4
719.2
664.2
610.5
564.9
534.0
512.6
472.3
438.8
391.8
339.5
287.1
256.3
228.1
179.8
131.5
103.3
68.4
44.3
17.4
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