

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: P848695

Luminaire Tested: **GLAN-SB5B-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848695
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-SB5B-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 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: 17835 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

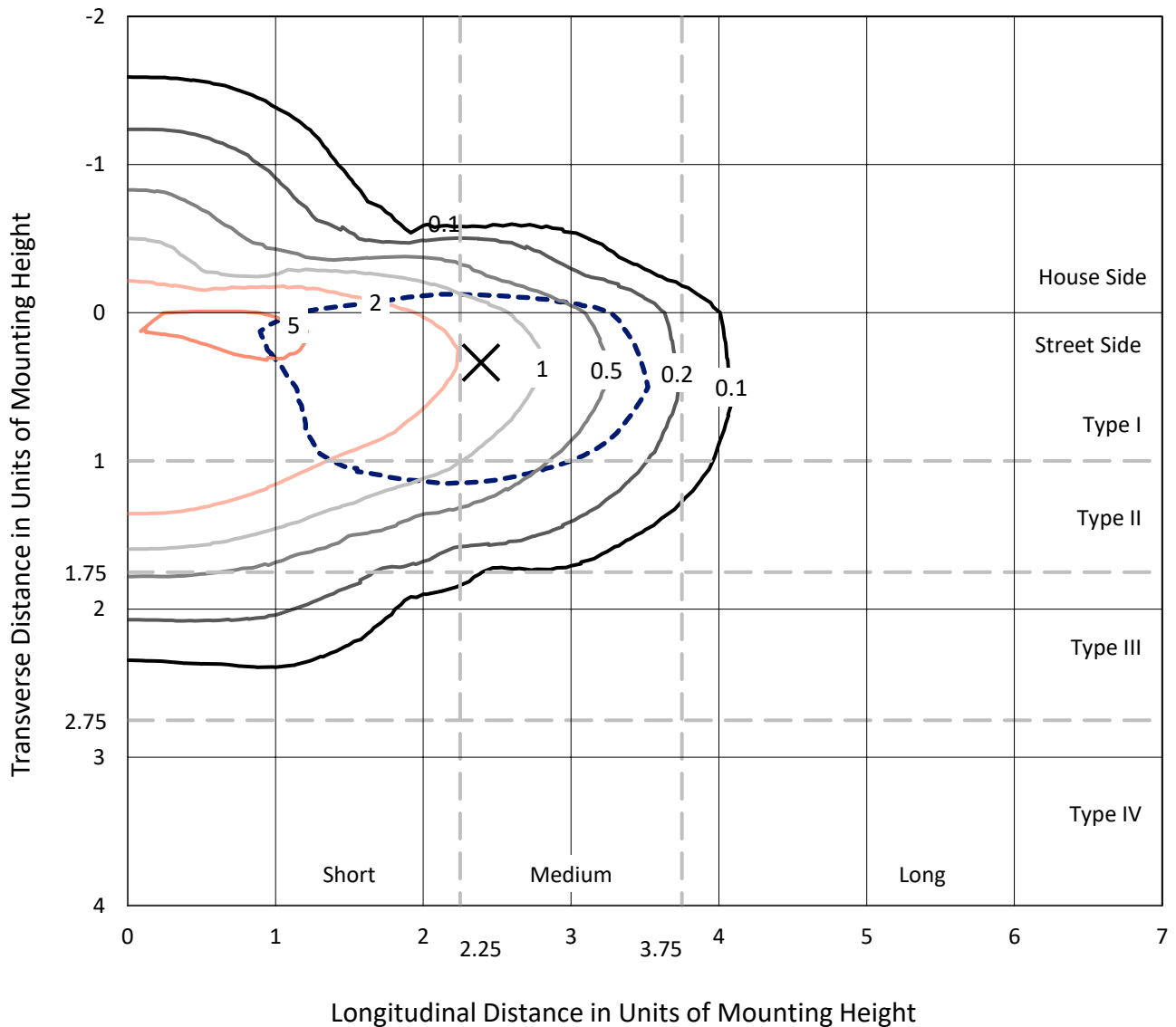
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

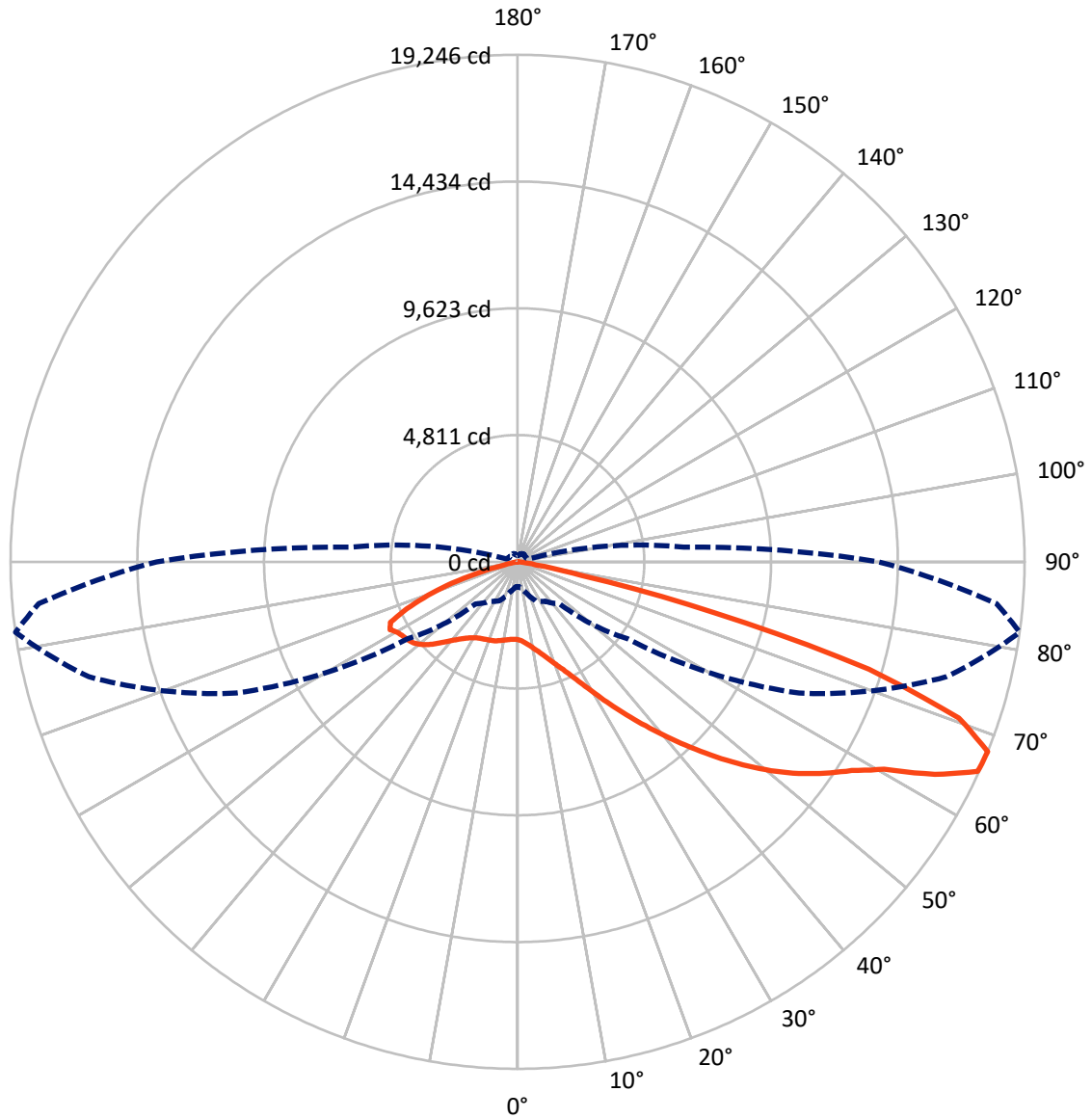
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	3230.7	0.0	3230.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14604.4	0.0	14604.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	17835.0	0.0	17835.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.2	1.5
10°-20°	684.1	3.8
20°-30°	1095.6	6.1
30°-40°	1937.4	10.9
40°-50°	3394.5	19.0
50°-60°	4527.3	25.4
60°-70°	4214.7	23.6
70°-80°	1617.6	9.1
80°-90°	100.5	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°	17835.0	100.0
0°-180°	17835.0	100.0

Coefficient of Utilization

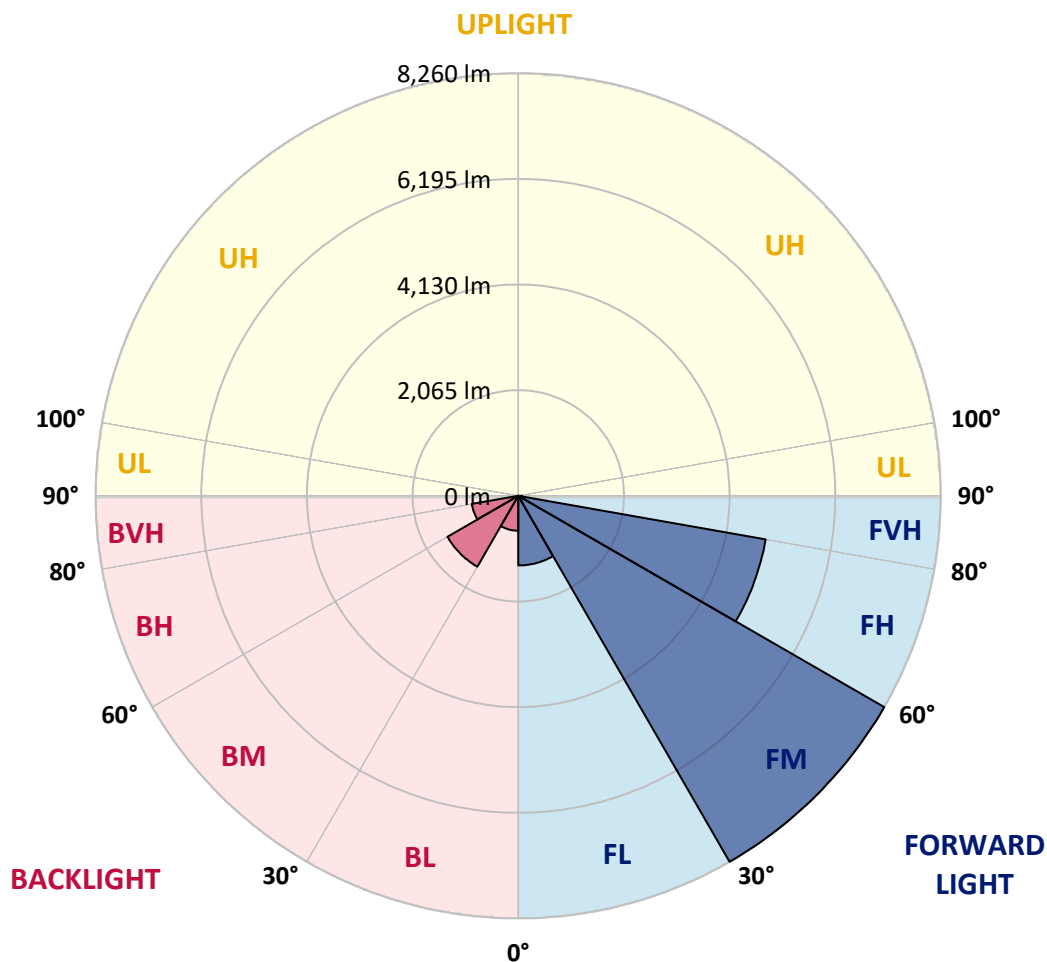


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1360.6	7.6			
FM (30°-60°)	8260.4	46.3			
FH (60°-80°)	4910.2	27.5			G2/5000
FVH (80°-90°)	73.0	0.4			G1/100
BL (0°-30°)	682.3	3.8	B2/1000		
BM (30°-60°)	1598.8	9.0	B2/2500		
BH (60°-80°)	922.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	27.4	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-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7
2.5°	3122.9	3140.8	3130.6	3125.4	3116.4	3103.6	3093.3	3061.2	3027.8	3006.0
5°	3185.8	3203.8	3202.5	3207.6	3214.0	3217.9	3215.3	3179.4	3131.9	3094.6
7.5°	3131.9	3152.4	3169.1	3194.8	3239.7	3287.2	3310.3	3302.6	3253.8	3202.5
10°	2979.1	3000.9	3040.7	3101.0	3196.1	3298.8	3384.8	3424.6	3393.8	3337.3
12.5°	2699.1	2721.0	2799.3	2930.3	3089.5	3268.0	3432.3	3538.9	3546.6	3490.1
15°	2384.5	2406.4	2489.8	2654.2	2896.9	3183.2	3458.0	3659.6	3727.7	3678.9
17.5°	2189.3	2208.6	2271.5	2403.8	2656.8	3013.7	3449.0	3788.0	3943.4	3904.9
20°	2130.3	2147.0	2176.5	2269.0	2479.5	2837.8	3390.0	3908.7	4175.8	4154.0
22.5°	2193.2	2208.6	2217.6	2258.7	2390.9	2722.2	3315.5	4032.0	4445.5	4448.0
25°	2338.3	2353.7	2343.4	2369.1	2426.9	2686.3	3287.2	4177.1	4784.5	4812.7
27.5°	2577.1	2578.4	2554.0	2552.7	2561.7	2740.2	3316.8	4332.5	5212.1	5264.7
30°	3056.1	3036.8	2943.1	2841.7	2795.4	2902.0	3398.9	4516.1	5716.7	5810.4
32.5°	3794.4	3766.2	3594.1	3351.4	3107.5	3162.7	3546.6	4725.4	6266.3	6435.8
35°	4595.7	4588.0	4408.2	4047.4	3621.1	3533.8	3786.7	5000.2	6865.9	7135.6
37.5°	5340.5	5336.6	5233.9	4808.9	4290.1	4051.3	4172.0	5359.7	7508.0	7898.3
40°	6021.0	6032.6	5929.9	5549.8	5027.2	4715.1	4695.9	5804.0	8221.9	8729.1
42.5°	6609.1	6622.0	6518.0	6236.8	5755.2	5449.6	5339.2	6348.5	8919.2	9621.6
45°	7008.5	7088.1	7072.7	6848.0	6502.6	6185.4	6112.2	7031.6	9714.0	10567.9
47.5°	7121.5	7194.7	7310.2	7341.1	7130.5	6818.4	6905.8	7854.7	10517.9	11515.6
50°	6842.8	6910.9	7151.0	7470.7	7617.1	7520.8	7677.5	8736.8	11340.9	12460.7
52.5°	6293.3	6362.6	6665.6	7171.6	7768.7	8071.7	8451.8	9606.2	12138.4	13355.7
55°	5498.4	5571.6	5960.7	6533.4	7479.7	8299.0	9097.7	10474.2	12869.0	14160.8
57.5°	4417.2	4471.1	4875.6	5676.9	6752.9	8073.0	9574.1	11421.8	13557.3	14951.8
60°	2878.9	2926.4	3396.4	4290.1	5548.5	7317.9	9669.1	12478.6	14471.5	15980.3
62.5°	1914.6	1946.7	2225.3	2881.5	3907.4	5868.2	9113.1	13322.3	15812.1	17770.3
65°	1313.6	1345.7	1624.4	2081.5	2524.5	3881.8	7514.4	13210.6	17026.8	19191.8
67.5°	937.4	964.3	1200.6	1632.1	1827.2	2254.8	5093.9	11782.7	16852.2	19245.7
70°	671.6	687.0	882.2	1271.2	1452.3	1354.7	2832.7	9011.6	14755.3	17771.6
72.5°	470.0	475.1	612.5	968.2	1169.8	988.7	1348.3	6008.2	11159.9	13948.9
75°	318.5	324.9	412.2	710.1	938.7	755.0	713.9	3221.7	6551.3	7721.1
77.5°	195.2	197.7	265.8	485.4	702.4	575.3	459.7	1365.0	2534.8	2488.5
80°	110.4	110.4	169.5	301.8	479.0	371.1	322.3	580.4	802.5	705.0
82.5°	61.6	62.9	123.3	187.5	317.2	219.6	177.2	268.4	346.7	306.9
85°	25.7	28.2	75.8	88.6	151.5	109.1	71.9	113.0	128.4	114.3
87.5°	2.6	3.9	23.1	16.7	18.0	21.8	10.3	21.8	18.0	18.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2954.7	0°	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7
2998.3	2.5°	2973.9	2954.7	2905.9	2849.4	2774.9	2738.9	2690.1	2656.8	2628.5	2631.1
3072.8	5°	3031.7	2982.9	2873.8	2737.6	2568.1	2447.4	2319.0	2230.4	2158.5	2143.1
3175.5	7.5°	3111.3	3034.3	2842.9	2597.7	2311.3	2094.3	1900.4	1775.9	1687.3	1659.0
3300.1	10°	3214.0	3102.3	2803.1	2421.8	2009.6	1733.5	1525.5	1427.9	1367.5	1347.0
3446.5	12.5°	3333.5	3180.7	2750.5	2207.3	1698.8	1433.0	1300.8	1252.0	1232.7	1226.3
3626.2	15°	3483.7	3278.2	2670.9	1953.1	1435.6	1249.4	1192.9	1186.5	1189.1	1186.5
3842.0	17.5°	3662.2	3384.8	2541.2	1691.1	1258.4	1155.7	1135.1	1140.3	1146.7	1145.4
4083.4	20°	3857.4	3490.1	2375.5	1458.7	1137.7	1088.9	1077.3	1082.5	1087.6	1085.0
4362.0	22.5°	4079.5	3603.1	2191.9	1277.7	1056.8	1027.3	1014.4	1015.7	1015.7	1010.6
4715.1	25°	4345.3	3727.7	1999.3	1149.2	995.2	972.0	956.6	951.5	943.8	928.4
5144.0	27.5°	4662.5	3859.9	1814.4	1059.4	946.4	924.5	906.6	893.7	874.5	848.8
5658.9	30°	5019.4	4020.4	1657.7	1002.9	907.8	886.0	865.5	846.2	818.0	785.9
6250.9	32.5°	5439.3	4192.5	1543.5	965.6	873.2	850.1	825.7	802.5	771.7	739.6
6916.0	35°	5940.1	4400.5	1476.7	939.9	846.2	815.4	788.4	762.7	739.6	711.4
7639.0	37.5°	6483.3	4621.4	1456.1	927.1	828.2	780.7	749.9	731.9	729.4	712.7
8421.0	40°	7077.8	4883.3	1471.5	919.4	809.0	747.3	713.9	710.1	716.5	687.0
9256.9	42.5°	7707.0	5194.1	1497.2	910.4	782.0	713.9	681.8	681.8	676.7	635.6
10140.3	45°	8387.6	5552.3	1522.9	888.6	749.9	680.6	656.2	647.2	625.3	585.5
11028.9	47.5°	9073.3	5917.0	1542.2	848.8	711.4	652.3	630.5	609.9	577.8	541.9
11900.8	50°	9724.3	6244.5	1521.6	789.7	667.7	625.3	602.2	574.0	539.3	514.9
12726.5	52.5°	10306.0	6528.2	1434.3	720.4	621.5	597.1	576.5	547.0	518.8	493.1
13471.2	55°	10811.9	6758.1	1280.2	654.9	580.4	572.7	552.2	514.9	476.4	454.6
14209.6	57.5°	11297.3	6932.7	1087.6	600.9	543.2	545.7	514.9	481.5	445.6	422.5
15204.7	60°	11943.2	7166.4	892.4	550.9	503.4	511.1	477.7	453.3	408.3	378.8
16911.3	62.5°	12975.6	7529.8	708.8	489.2	457.1	459.7	445.6	416.0	362.1	327.4
18176.1	65°	13794.8	7396.3	558.6	422.5	404.5	408.3	408.3	376.2	318.5	278.6
18244.1	67.5°	13702.4	6333.1	445.6	357.0	354.4	357.0	366.0	339.0	282.5	250.4
16854.8	70°	12622.5	5037.4	357.0	296.6	308.2	301.8	327.4	309.5	254.2	222.1
13066.7	72.5°	10299.6	3628.8	272.2	245.3	236.3	246.5	295.3	278.6	211.9	175.9
6921.2	75°	6018.5	1936.4	202.9	193.9	170.8	205.5	262.0	237.6	161.8	129.7
2121.3	77.5°	1959.5	675.4	149.0	142.5	127.1	165.6	223.4	200.3	132.3	102.7
621.5	80°	525.2	204.2	101.4	93.7	82.2	123.3	177.2	159.2	95.0	66.8
267.1	82.5°	210.6	86.0	59.1	52.6	44.9	84.7	140.0	128.4	70.6	42.4
83.5	85°	68.1	28.2	21.8	16.7	20.5	52.6	83.5	87.3	50.1	21.8
12.8	87.5°	9.0	3.9	3.9	5.1	3.9	9.0	25.7	24.4	14.1	2.6
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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2954.7
2605.4
2108.5
1630.8
1331.6
1222.4
1185.2
1142.8
1083.8
1008.0
925.8
846.2
783.3
740.9
708.8
711.4
688.3
635.6
584.3
540.6
511.1
490.5
452.0
419.9
374.9
324.9
274.8
245.3
218.3
172.1
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98.9
65.5
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