

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: P849185

Luminaire Tested: **GLAN-SB6A-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849185
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-SB6A-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 350mA 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: 16447 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

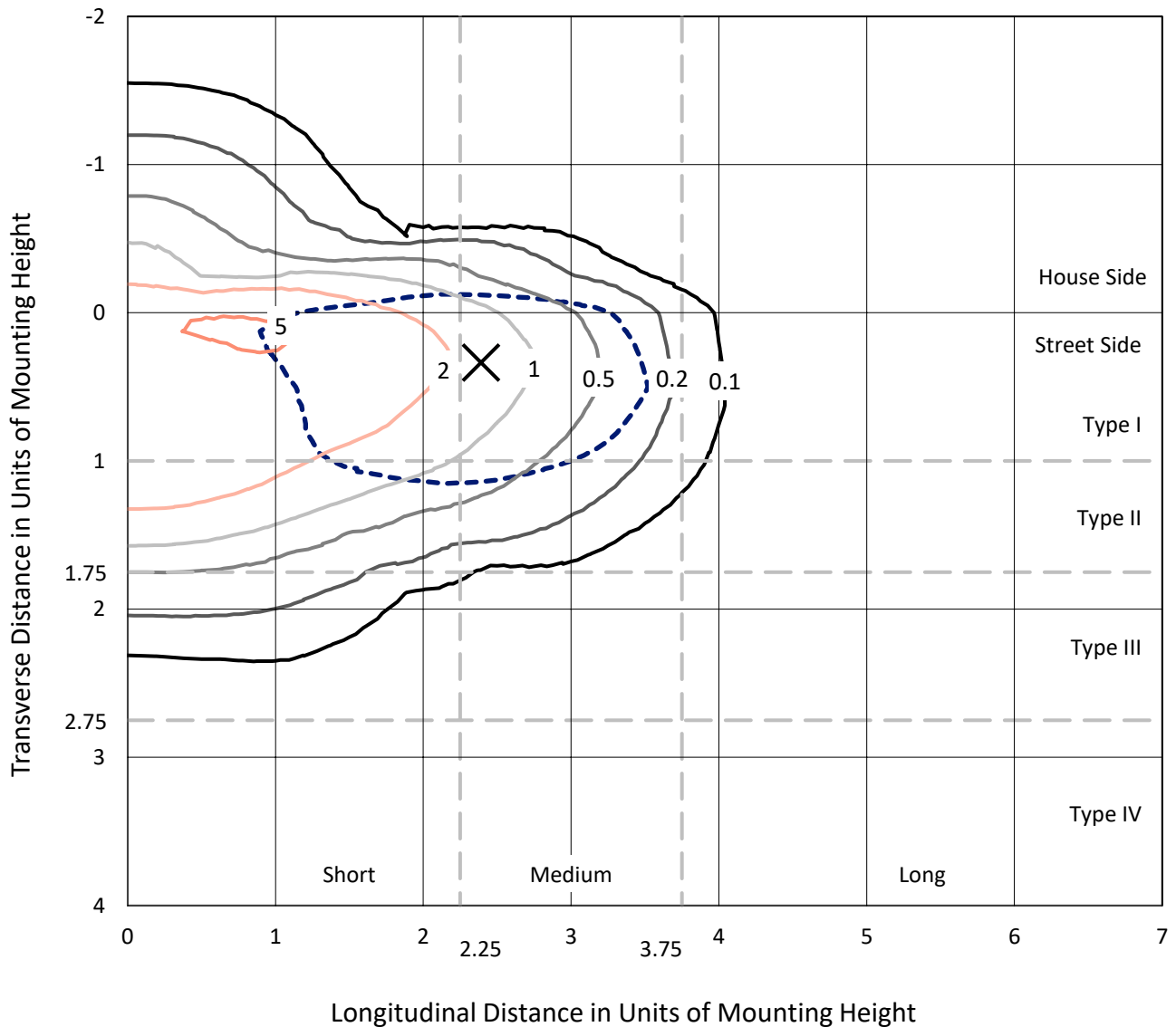
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

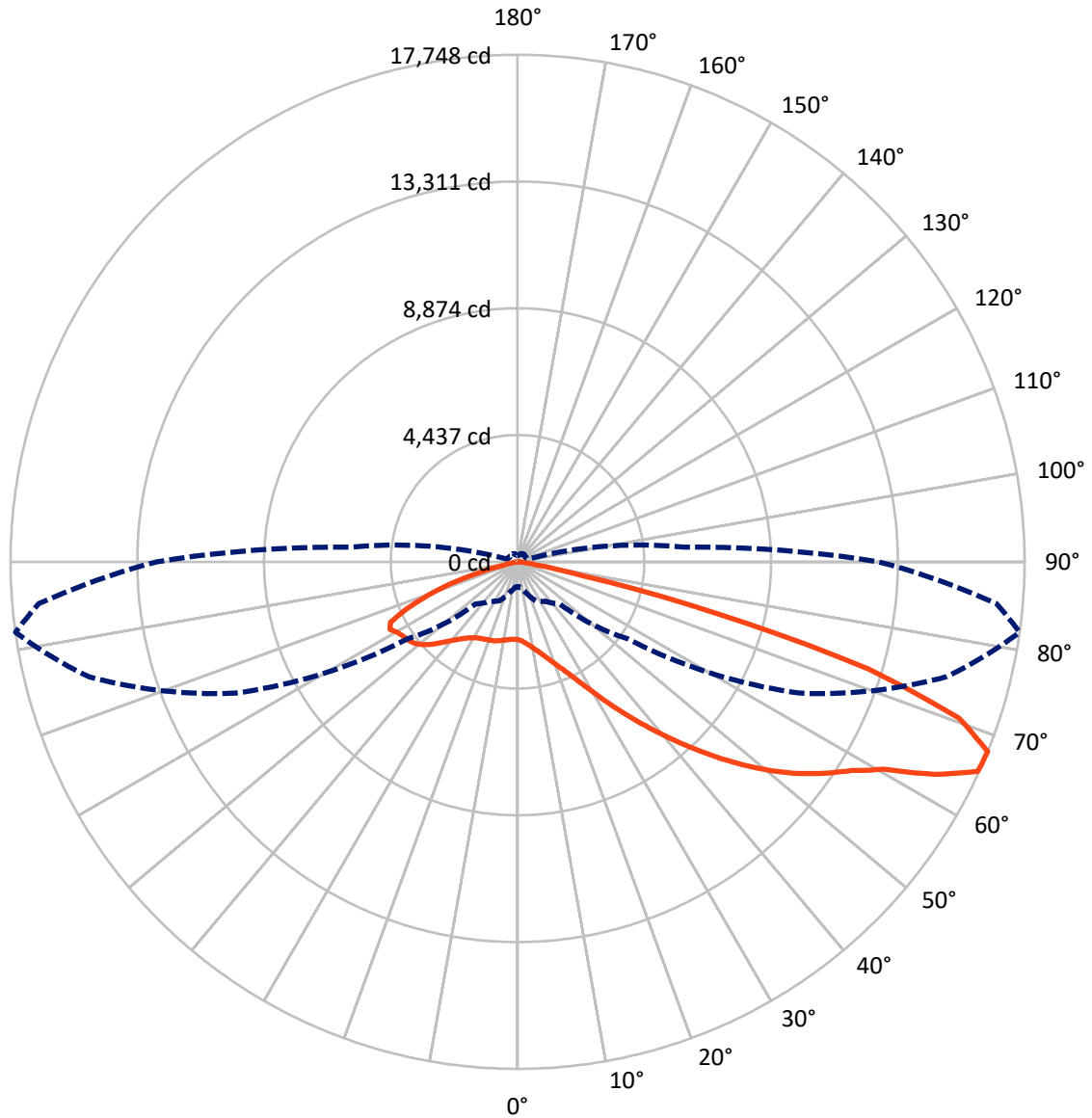
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	2979.2	0.0	2979.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13467.8	0.0	13467.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	16447.0	0.0	16447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.8	1.5
10°-20°	630.8	3.8
20°-30°	1010.4	6.1
30°-40°	1786.6	10.9
40°-50°	3130.3	19.0
50°-60°	4175.0	25.4
60°-70°	3886.7	23.6
70°-80°	1491.7	9.1
80°-90°	92.7	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°	16447.0	100.0
0°-180°	16447.0	100.0

Coefficient of Utilization

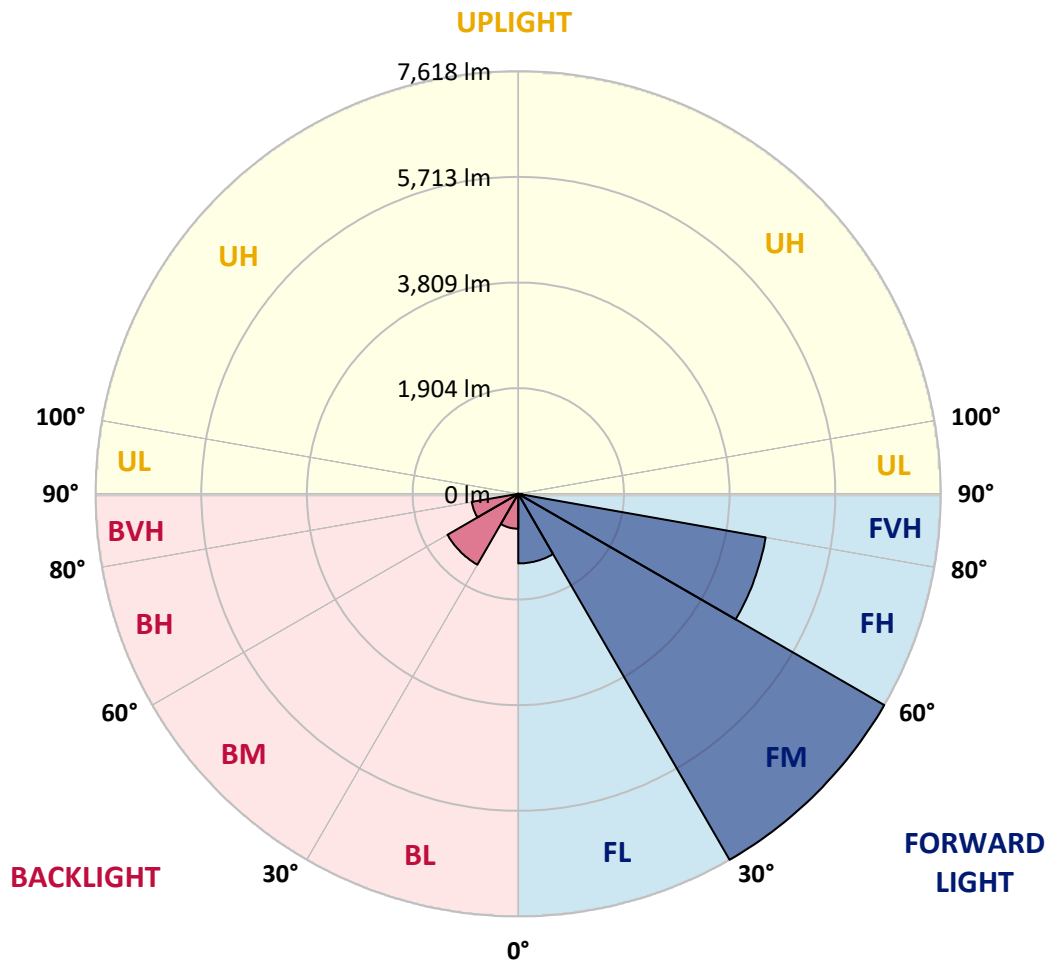


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1254.7	7.6			
FM (30°-60°)	7617.6	46.3			
FH (60°-80°)	4528.1	27.5			G2/5000
FVH (80°-90°)	67.4	0.4			G1/100
BL (0°-30°)	629.2	3.8	B2/1000		
BM (30°-60°)	1474.4	9.0	B2/2500		
BH (60°-80°)	850.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	25.3	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°	2724.7	2724.7	2724.7	2724.7	2724.7	2724.7	2724.7	2724.7	2724.7	2724.7
2.5°	2879.8	2896.4	2886.9	2882.2	2873.9	2862.1	2852.6	2823.0	2792.2	2772.1
5°	2937.9	2954.4	2953.3	2958.0	2963.9	2967.5	2965.1	2931.9	2888.1	2853.8
7.5°	2888.1	2907.1	2922.5	2946.1	2987.6	3031.4	3052.7	3045.6	3000.6	2953.3
10°	2747.2	2767.3	2804.0	2859.7	2947.3	3042.1	3121.4	3158.1	3129.7	3077.6
12.5°	2489.1	2509.2	2581.4	2702.2	2849.0	3013.6	3165.2	3263.5	3270.6	3218.5
15°	2199.0	2219.1	2296.1	2447.6	2671.4	2935.5	3188.9	3374.8	3437.6	3392.6
17.5°	2019.0	2036.7	2094.7	2216.7	2450.0	2779.2	3180.6	3493.2	3636.5	3601.0
20°	1964.5	1979.9	2007.1	2092.4	2286.6	2617.0	3126.1	3604.5	3850.8	3830.7
22.5°	2022.5	2036.7	2045.0	2082.9	2204.9	2510.4	3057.5	3718.2	4099.5	4101.9
25°	2156.3	2170.5	2161.1	2184.7	2238.0	2477.2	3031.4	3852.0	4412.1	4438.2
27.5°	2376.6	2377.8	2355.3	2354.1	2362.4	2527.0	3058.6	3995.3	4806.4	4855.0
30°	2818.3	2800.5	2714.1	2620.5	2577.9	2676.2	3134.4	4164.6	5271.8	5358.2
32.5°	3499.1	3473.1	3314.4	3090.6	2865.6	2916.5	3270.6	4357.6	5778.6	5934.9
35°	4238.0	4230.9	4065.2	3732.4	3339.3	3258.8	3492.0	4611.0	6331.6	6580.3
37.5°	4924.8	4921.3	4826.6	4434.6	3956.2	3736.0	3847.3	4942.6	6923.7	7283.7
40°	5552.4	5563.1	5468.4	5117.9	4635.9	4348.2	4330.4	5352.3	7582.1	8049.8
42.5°	6094.8	6106.6	6010.7	5751.4	5307.3	5025.5	4923.7	5854.4	8225.1	8872.8
45°	6463.0	6536.5	6522.3	6315.0	5996.5	5704.0	5636.5	6484.4	8958.0	9745.5
47.5°	6567.3	6634.7	6741.3	6769.7	6575.5	6287.8	6368.3	7243.4	9699.3	10619.4
50°	6310.3	6373.1	6594.5	6889.3	7024.3	6935.5	7080.0	8056.9	10458.3	11490.9
52.5°	5803.5	5867.4	6146.9	6613.4	7164.1	7443.5	7794.0	8858.6	11193.7	12316.3
55°	5070.5	5138.0	5496.8	6024.9	6897.6	7653.1	8389.6	9659.0	11867.5	13058.7
57.5°	4073.4	4123.2	4496.2	5235.1	6227.4	7444.7	8829.0	10532.9	12502.2	13788.2
60°	2654.8	2698.7	3132.1	3956.2	5116.7	6748.4	8916.6	11507.5	13345.3	14736.7
62.5°	1765.6	1795.2	2052.1	2657.2	3603.3	5411.5	8403.9	12285.5	14581.5	16387.3
65°	1211.4	1241.0	1497.9	1919.5	2328.0	3579.7	6929.6	12182.5	15701.7	17698.2
67.5°	864.4	889.3	1107.2	1505.0	1685.0	2079.4	4697.5	10865.7	15540.7	17747.9
70°	619.3	633.5	813.5	1172.3	1339.3	1249.3	2612.2	8310.3	13607.0	16388.5
72.5°	433.4	438.1	564.8	892.8	1078.8	911.8	1243.3	5540.6	10291.4	12863.3
75°	293.7	299.6	380.1	654.8	865.6	696.3	658.4	2971.0	6041.5	7120.2
77.5°	180.0	182.4	245.1	447.6	647.7	530.5	423.9	1258.7	2337.5	2294.9
80°	101.8	101.8	156.3	278.3	441.7	342.2	297.2	535.2	740.1	650.1
82.5°	56.8	58.0	113.7	172.9	292.5	202.5	163.4	247.5	319.7	283.0
85°	23.7	26.1	69.9	81.7	139.7	100.7	66.3	104.2	118.4	105.4
87.5°	2.4	3.6	21.3	15.4	16.6	20.1	9.5	20.1	16.6	16.6
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°
2724.7	0°	2724.7	2724.7	2724.7	2724.7	2724.7	2724.7	2724.7	2724.7	2724.7	2724.7
2765.0	2.5°	2742.5	2724.7	2679.7	2627.6	2558.9	2525.8	2480.8	2450.0	2423.9	2426.3
2833.7	5°	2795.8	2750.8	2650.1	2524.6	2368.3	2257.0	2138.6	2056.9	1990.5	1976.3
2928.4	7.5°	2869.2	2798.1	2621.7	2395.5	2131.5	1931.3	1752.5	1637.7	1556.0	1529.9
3043.2	10°	2963.9	2860.9	2585.0	2233.3	1853.2	1598.6	1406.8	1316.8	1261.1	1242.2
3178.2	12.5°	3074.0	2933.1	2536.4	2035.5	1566.6	1321.5	1199.5	1154.5	1136.8	1130.9
3344.0	15°	3212.6	3023.1	2463.0	1801.1	1323.9	1152.2	1100.1	1094.1	1096.5	1094.1
3543.0	17.5°	3377.2	3121.4	2343.4	1559.5	1160.5	1065.7	1046.8	1051.5	1057.4	1056.3
3765.6	20°	3557.2	3218.5	2190.7	1345.2	1049.2	1004.2	993.5	998.2	1003.0	1000.6
4022.5	22.5°	3762.0	3322.7	2021.3	1178.2	974.5	947.3	935.5	936.7	936.7	931.9
4348.2	25°	4007.1	3437.6	1843.7	1059.8	917.7	896.4	882.2	877.4	870.3	856.1
4743.7	27.5°	4299.6	3559.5	1673.2	976.9	872.7	852.6	836.0	824.2	806.4	782.7
5218.5	30°	4628.8	3707.5	1528.7	924.8	837.2	817.1	798.1	780.3	754.3	724.7
5764.4	32.5°	5016.0	3866.2	1423.3	890.5	805.2	783.9	761.4	740.1	711.7	682.1
6377.8	35°	5477.8	4058.1	1361.8	866.8	780.3	751.9	727.1	703.4	682.1	656.0
7044.5	37.5°	5978.7	4261.7	1342.8	855.0	763.8	720.0	691.5	675.0	672.6	657.2
7765.6	40°	6527.0	4503.3	1357.0	847.8	746.0	689.2	658.4	654.8	660.8	633.5
8536.5	42.5°	7107.2	4789.9	1380.7	839.6	721.1	658.4	628.8	628.8	624.0	586.2
9351.2	45°	7734.8	5120.2	1404.4	819.4	691.5	627.6	605.1	596.8	576.7	540.0
10170.6	47.5°	8367.1	5456.5	1422.2	782.7	656.0	601.5	581.4	562.5	532.9	499.7
10974.6	50°	8967.5	5758.5	1403.2	728.2	615.8	576.7	555.4	529.3	497.3	474.8
11736.0	52.5°	9503.9	6020.2	1322.7	664.3	573.1	550.6	531.7	504.4	478.4	454.7
12422.8	55°	9970.5	6232.1	1180.6	603.9	535.2	528.1	509.2	474.8	439.3	419.2
13103.7	57.5°	10418.1	6393.2	1003.0	554.2	500.9	503.3	474.8	444.1	410.9	389.6
14021.4	60°	11013.7	6608.7	823.0	508.0	464.2	471.3	440.5	418.0	376.6	349.3
15595.2	62.5°	11965.8	6943.8	653.6	451.2	421.6	423.9	410.9	383.7	333.9	302.0
16761.5	65°	12721.2	6820.7	515.1	389.6	373.0	376.6	376.6	347.0	293.7	257.0
16824.3	67.5°	12636.0	5840.2	410.9	329.2	326.8	329.2	337.5	312.6	260.5	230.9
15543.1	70°	11640.1	4645.4	329.2	273.5	284.2	278.3	302.0	285.4	234.5	204.9
12049.8	72.5°	9498.0	3346.4	251.0	226.2	217.9	227.4	272.4	257.0	195.4	162.2
6382.5	75°	5550.1	1785.7	187.1	178.8	157.5	189.5	241.6	219.1	149.2	119.6
1956.2	77.5°	1807.0	622.9	137.4	131.4	117.2	152.8	206.0	184.7	122.0	94.7
573.1	80°	484.3	188.3	93.5	86.4	75.8	113.7	163.4	146.8	87.6	61.6
246.3	82.5°	194.2	79.3	54.5	48.5	41.4	78.2	129.1	118.4	65.1	39.1
77.0	85°	62.8	26.1	20.1	15.4	18.9	48.5	77.0	80.5	46.2	20.1
11.8	87.5°	8.3	3.6	3.6	4.7	3.6	8.3	23.7	22.5	13.0	2.4
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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2724.7
2402.6
1944.4
1503.9
1228.0
1127.3
1093.0
1053.9
999.4
929.6
853.8
780.3
722.3
683.3
653.6
656.0
634.7
586.2
538.8
498.5
471.3
452.3
416.8
387.2
345.8
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226.2
201.3
158.7
116.0
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