

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: P852630

Luminaire Tested: **GLAN-SB5B-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852630
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-SB5B-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 450mA 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: 20804 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

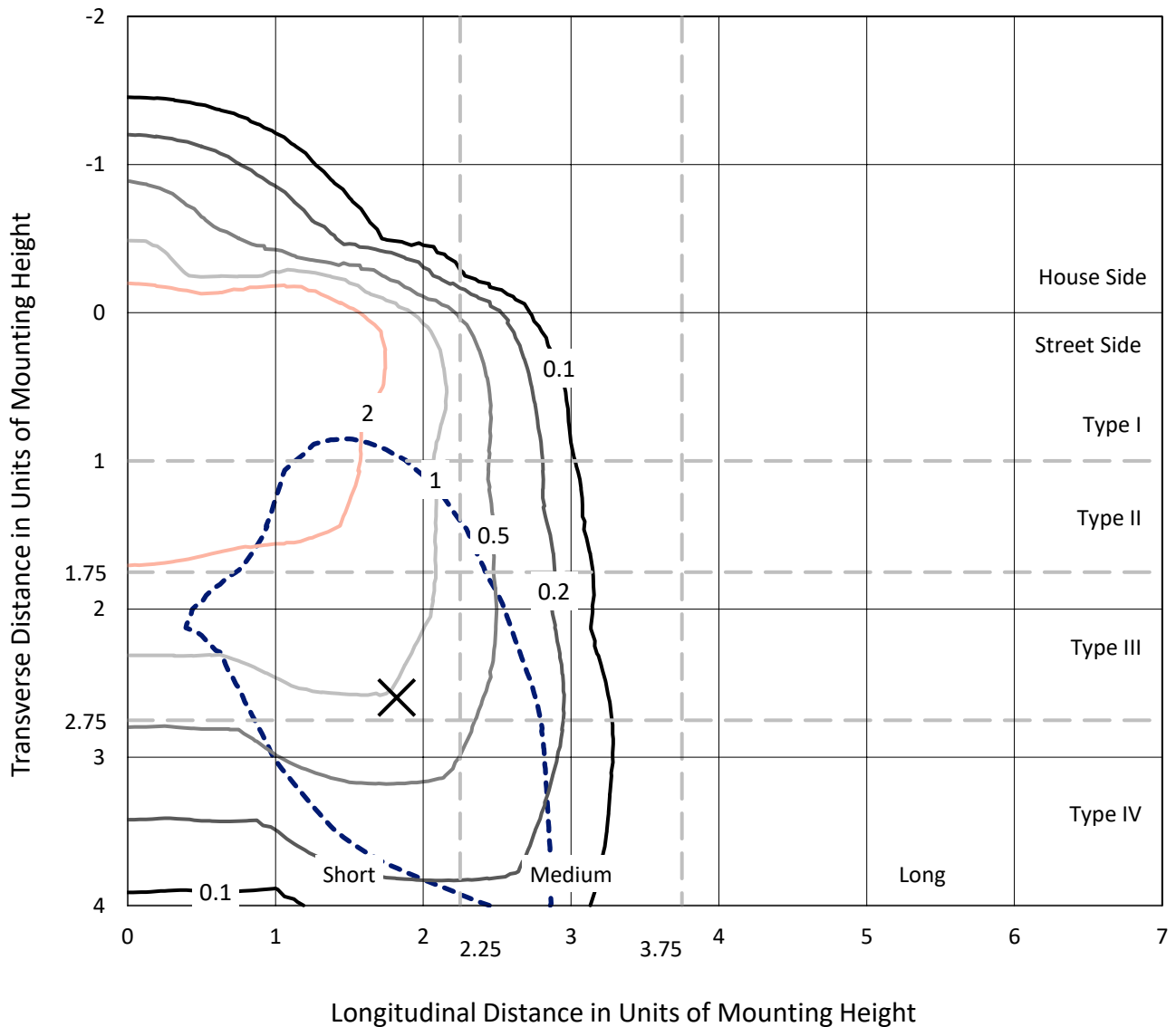
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

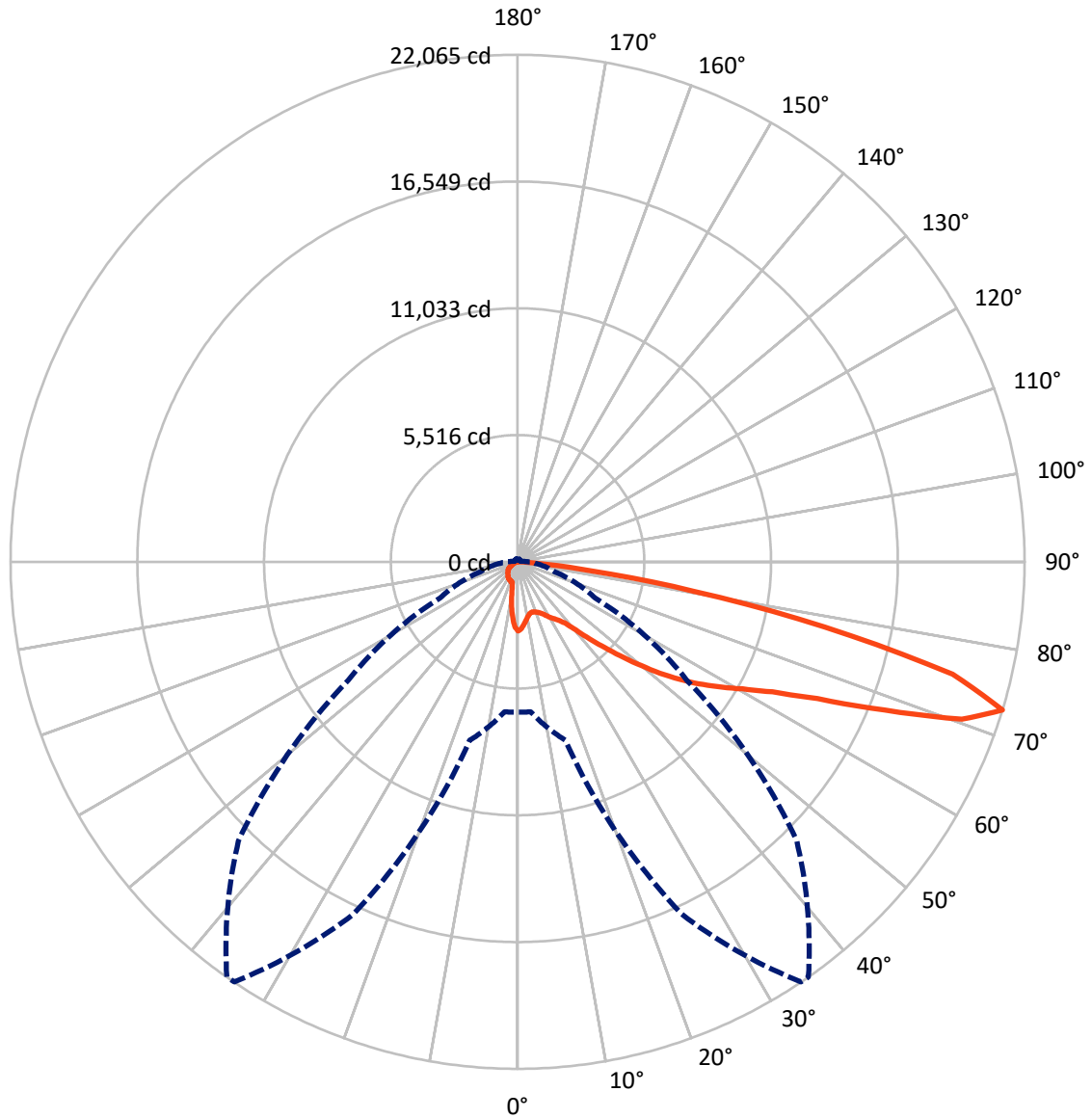
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	2341.4	0.0	2341.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	18462.6	0.0	18462.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	20804.0	0.0	20804.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.8	1.2
10°-20°	579.6	2.8
20°-30°	941.6	4.5
30°-40°	1571.0	7.6
40°-50°	2972.4	14.3
50°-60°	4723.2	22.7
60°-70°	5842.9	28.1
70°-80°	3632.0	17.5
80°-90°	293.5	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°	20804.0	100.0
0°-180°	20804.0	100.0

Coefficient of Utilization

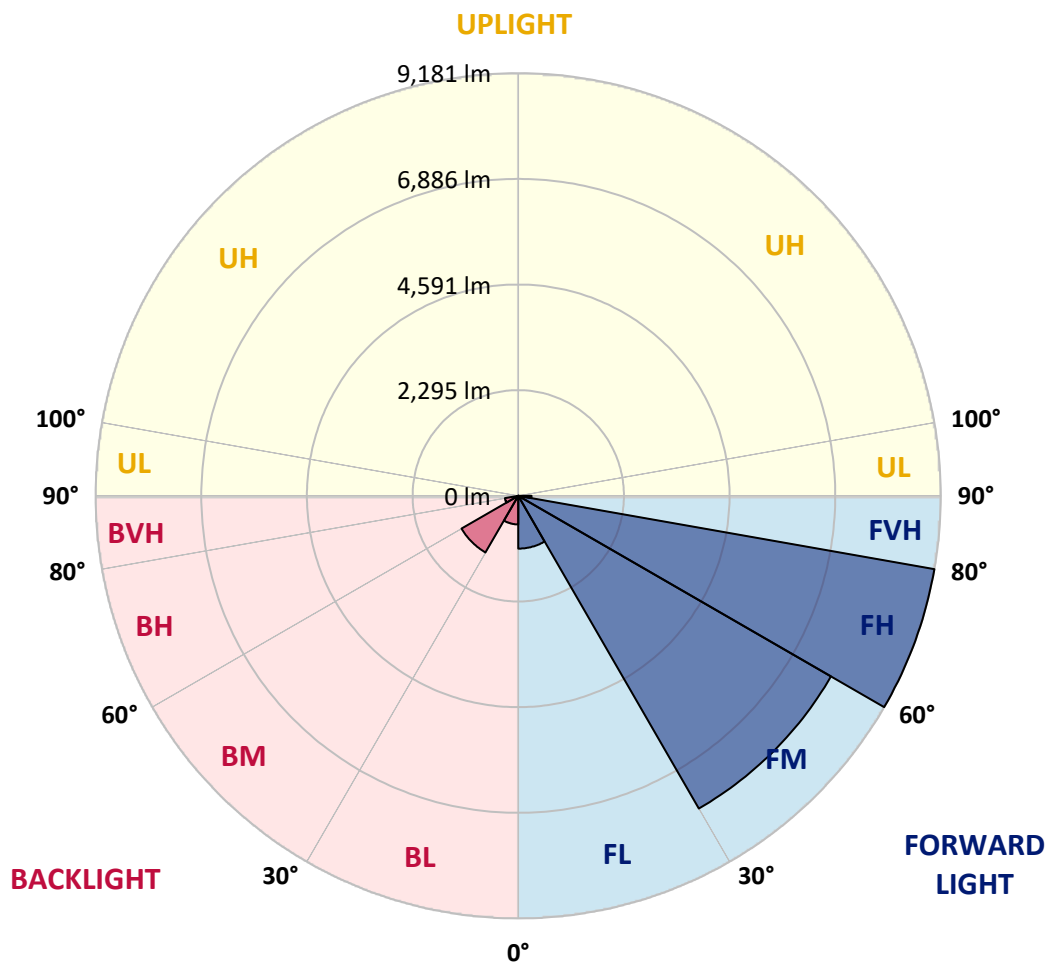


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1146.8	5.5			
FM (30°-60°)	7845.2	37.7			
FH (60°-80°)	9181.1	44.1			G4/12000
FVH (80°-90°)	289.5	1.4			G3/500
BL (0°-30°)	622.2	3.0	B2/1000		
BM (30°-60°)	1421.4	6.8	B2/2500		
BH (60°-80°)	293.8	1.4	B1/500		G1/500
BVH (80°-90°)	4.0	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3015.2	3015.2	3015.2	3015.2	3015.2	3015.2	3015.2	3015.2	3015.2	3015.2
2.5°	2881.1	2905.4	2910.0	2917.6	2917.6	2926.8	2942.0	2963.4	2998.4	3016.7
5°	2655.4	2673.7	2696.6	2714.9	2750.0	2754.5	2814.0	2871.9	2952.7	3013.7
7.5°	2428.3	2449.7	2480.1	2524.4	2570.1	2583.8	2673.7	2771.3	2899.3	3013.7
10°	2268.3	2269.8	2297.2	2341.4	2414.6	2431.4	2541.1	2679.8	2839.9	2995.4
12.5°	2178.3	2189.0	2201.2	2234.7	2304.8	2315.5	2432.9	2596.0	2780.4	2984.7
15°	2178.3	2185.9	2193.6	2210.3	2266.7	2275.9	2379.5	2542.6	2750.0	2989.3
17.5°	2201.2	2213.4	2207.3	2227.1	2286.5	2292.6	2384.1	2527.4	2748.4	3018.2
20°	2256.1	2265.2	2253.0	2265.2	2324.7	2336.9	2431.4	2556.4	2774.3	3068.5
22.5°	2343.0	2347.5	2318.6	2327.7	2388.7	2403.9	2513.7	2638.7	2836.8	3149.3
25°	2452.7	2461.9	2417.6	2428.3	2486.2	2504.5	2631.1	2762.2	2935.9	3260.6
27.5°	2579.2	2583.8	2545.7	2544.2	2618.9	2644.8	2772.8	2914.6	3068.5	3400.9
30°	2724.0	2737.8	2701.2	2695.1	2789.6	2810.9	2937.5	3102.1	3263.7	3611.2
32.5°	2838.4	2849.0	2827.7	2842.9	2939.0	2955.7	3137.1	3367.3	3570.1	3910.0
35°	3003.0	3009.1	2960.3	2987.8	3097.5	3140.2	3410.0	3739.3	3955.7	4285.0
37.5°	3599.0	3599.0	3391.7	3256.0	3361.2	3399.3	3783.5	4207.3	4431.3	4788.0
40°	4423.7	4410.0	4106.6	3829.2	3815.5	3890.2	4315.5	4797.2	5045.7	5391.7
42.5°	5303.3	5281.9	4868.8	4594.4	4548.7	4574.6	4929.8	5524.3	5777.3	6128.0
45°	6083.7	6077.6	5699.6	5330.7	5248.4	5330.7	5696.6	6374.9	6556.3	6925.2
47.5°	6737.7	6737.7	6461.8	6220.9	6178.3	6227.0	6734.7	7318.5	7301.7	7774.3
50°	7490.7	7484.6	7222.4	7118.8	7163.0	7231.6	7929.8	8312.4	8073.0	8608.1
52.5°	8018.2	8054.8	7964.8	7948.0	8173.7	8292.6	9143.2	9284.9	8763.6	9399.2
55°	8435.8	8478.5	8582.2	8699.6	9134.0	9289.5	10318.4	10207.2	9341.3	10085.2
57.5°	9027.3	8966.3	9126.4	9358.1	10060.8	10248.3	11457.1	11077.6	9806.3	10641.6
60°	9745.3	9754.4	9781.9	10074.5	10986.1	11227.0	12579.1	11900.7	10105.0	10983.1
62.5°	10608.1	10621.8	10678.2	11127.9	12228.5	12455.6	13774.2	12574.5	10242.2	10887.0
65°	10548.6	10606.5	11236.1	12774.2	14117.2	14341.2	15169.0	13047.1	10034.9	10009.0
67.5°	9609.6	9704.1	10757.5	14740.6	16964.7	17214.7	16854.9	13140.0	9140.1	7783.4
70°	8377.9	8411.5	9678.2	16508.9	20261.9	20514.9	18364.0	12117.2	6935.9	4341.4
72.5°	6542.6	6550.2	8036.5	16918.9	22051.5	22065.2	17179.6	8995.3	3730.1	1667.7
75°	4673.7	4628.0	5382.5	13720.8	19400.6	19556.1	12879.4	4219.4	1425.3	788.1
77.5°	2506.1	2556.4	3045.7	8137.1	13402.2	13667.5	7027.3	1216.4	725.6	536.6
80°	774.4	817.1	1248.5	3725.6	7591.3	7751.4	2605.1	541.2	506.1	382.6
82.5°	243.9	253.0	582.3	1565.5	3150.9	3224.0	754.6	306.4	346.0	253.0
85°	70.1	71.6	259.1	583.8	779.0	794.2	211.9	118.9	198.2	157.0
87.5°	7.6	24.4	97.6	97.6	68.6	67.1	22.9	25.9	56.4	19.8
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°
3015.2	0°	3015.2	3015.2	3015.2	3015.2	3015.2	3015.2	3015.2	3015.2	3015.2	3015.2
3028.9	2.5°	3021.3	3022.8	3003.0	2969.5	2932.9	2902.4	2864.3	2833.8	2812.5	2806.4
3056.4	5°	3042.6	3032.0	2975.6	2873.4	2751.5	2646.3	2528.9	2435.9	2375.0	2349.0
3085.3	7.5°	3074.6	3044.2	2920.7	2719.5	2486.2	2278.9	2068.6	1905.5	1801.8	1750.0
3112.8	10°	3102.1	3041.1	2829.2	2496.9	2140.2	1826.2	1542.7	1346.0	1236.3	1184.4
3144.8	12.5°	3128.0	3039.6	2710.3	2233.2	1750.0	1365.8	1102.1	1004.6	974.1	963.4
3196.6	15°	3176.8	3044.2	2560.9	1931.4	1361.3	1032.0	936.0	934.4	940.5	937.5
3275.9	17.5°	3243.9	3048.7	2391.7	1611.3	1050.3	910.0	905.5	919.2	928.3	923.8
3374.9	20°	3330.7	3067.0	2211.9	1294.2	902.4	879.6	890.2	902.4	910.0	902.4
3507.6	22.5°	3452.7	3099.0	2015.2	1039.6	855.2	861.3	870.4	884.1	891.8	881.1
3676.8	25°	3602.1	3149.3	1821.6	903.9	832.3	839.9	853.6	868.9	878.0	867.4
3890.2	27.5°	3795.7	3230.1	1643.3	873.5	809.4	814.0	833.8	856.7	868.9	855.2
4193.5	30°	4076.2	3362.8	1489.3	887.2	795.7	785.0	812.5	844.5	858.2	846.0
4606.6	32.5°	4448.1	3550.2	1394.8	908.5	789.6	751.5	777.4	818.6	841.5	833.8
5146.3	35°	4935.9	3835.3	1358.2	932.9	785.0	716.5	734.7	779.0	818.6	826.2
5826.1	37.5°	5527.4	4231.6	1368.9	943.6	771.3	687.5	696.6	734.7	786.6	811.0
6591.4	40°	6199.6	4693.5	1429.9	932.9	756.1	663.1	664.6	693.6	739.3	775.9
7414.5	42.5°	6893.2	5233.2	1542.7	893.3	742.4	641.8	637.2	657.0	687.5	713.4
8236.2	45°	7553.2	5788.0	1653.9	838.4	725.6	620.4	609.7	617.4	623.5	634.1
9036.4	47.5°	8129.4	6178.3	1621.9	788.1	702.7	596.0	577.7	574.7	556.4	554.9
9751.4	50°	8527.3	6263.6	1440.5	737.8	669.2	568.6	539.6	521.3	489.3	474.1
10286.4	52.5°	8653.8	5926.7	1176.8	687.5	614.3	532.0	490.8	461.9	422.2	408.5
10594.3	55°	8486.1	5266.7	940.5	626.5	538.1	483.2	437.5	399.4	367.4	350.6
10627.9	57.5°	8076.1	4426.8	743.9	554.9	457.3	428.3	382.6	344.5	317.1	300.3
10255.9	60°	7396.2	3515.2	588.4	469.5	390.2	368.9	321.6	297.3	272.9	253.0
9295.6	62.5°	6364.2	2509.1	461.9	371.9	326.2	301.8	274.4	256.1	227.1	199.7
7568.5	65°	4966.4	1535.0	356.7	272.9	262.2	250.0	233.2	216.5	181.4	154.0
4937.4	67.5°	3132.6	727.1	254.6	205.8	207.3	201.2	193.6	179.9	154.0	129.6
2211.9	70°	1379.6	352.1	167.7	157.0	154.0	154.0	160.1	155.5	131.1	108.2
768.3	72.5°	469.5	189.0	125.0	118.9	111.3	109.8	134.1	129.6	105.2	83.8
382.6	75°	245.4	126.5	91.5	85.4	67.1	80.8	106.7	100.6	74.7	54.9
253.0	77.5°	160.1	89.9	62.5	54.9	38.1	53.4	79.3	70.1	44.2	27.4
166.2	80°	100.6	59.5	36.6	25.9	18.3	29.0	42.7	30.5	16.8	6.1
97.6	82.5°	53.4	30.5	13.7	9.1	7.6	9.1	10.7	7.6	3.0	0.0
50.3	85°	21.3	10.7	4.6	3.0	1.5	0.0	3.0	1.5	0.0	0.0
9.1	87.5°	7.6	1.5	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°
3015.2
2817.0
2358.2
1757.6
1186.0
960.4
936.0
922.2
900.9
879.6
865.8
855.2
844.5
833.8
826.2
817.1
788.1
724.1
640.2
553.3
475.6
407.0
350.6
297.3
248.5
195.1
149.4
126.5
103.7
79.3
50.3
24.4
4.6
0.0
0.0
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