

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: P848607

Luminaire Tested: **GLAN-SB5B-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21549 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

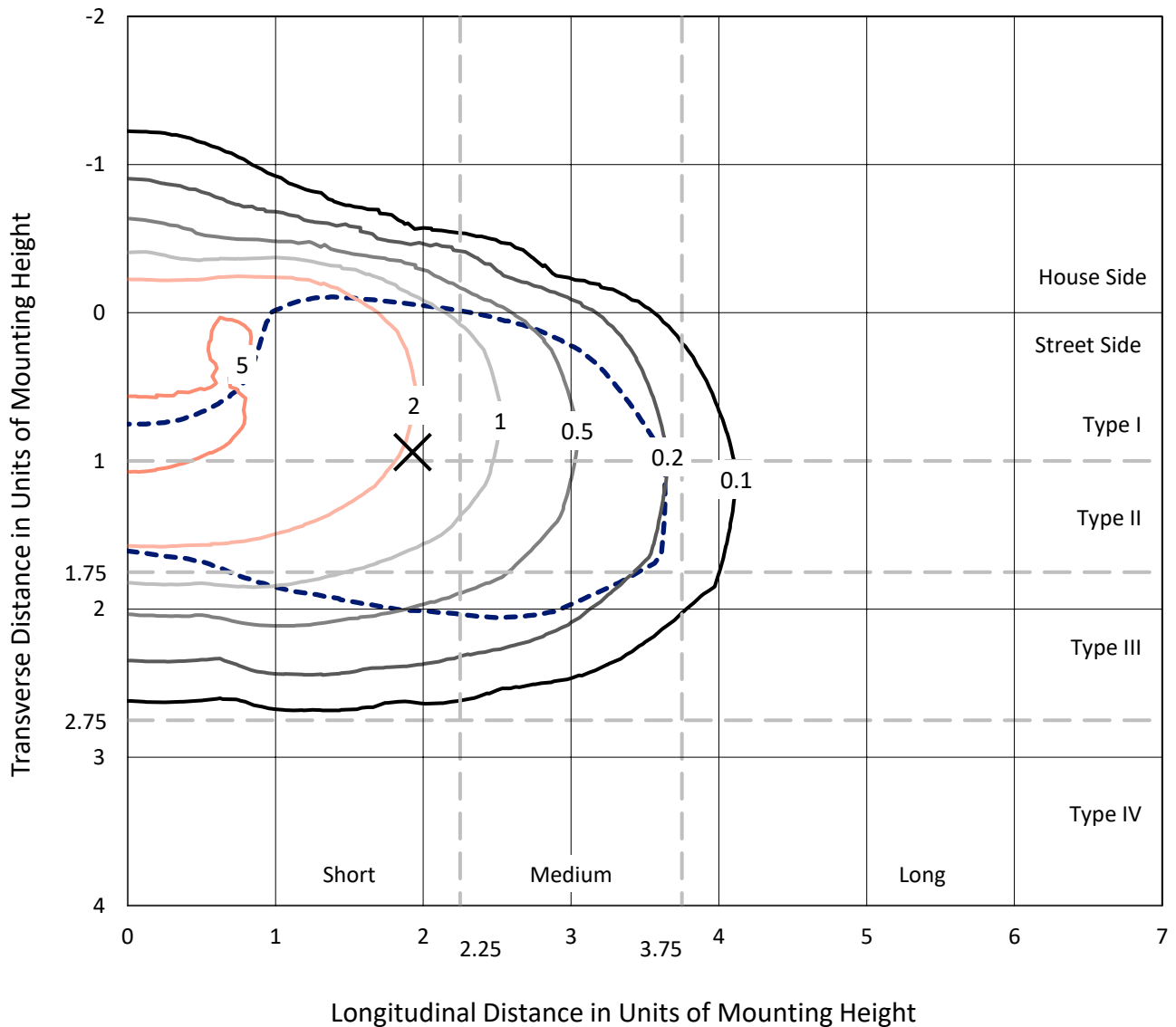
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

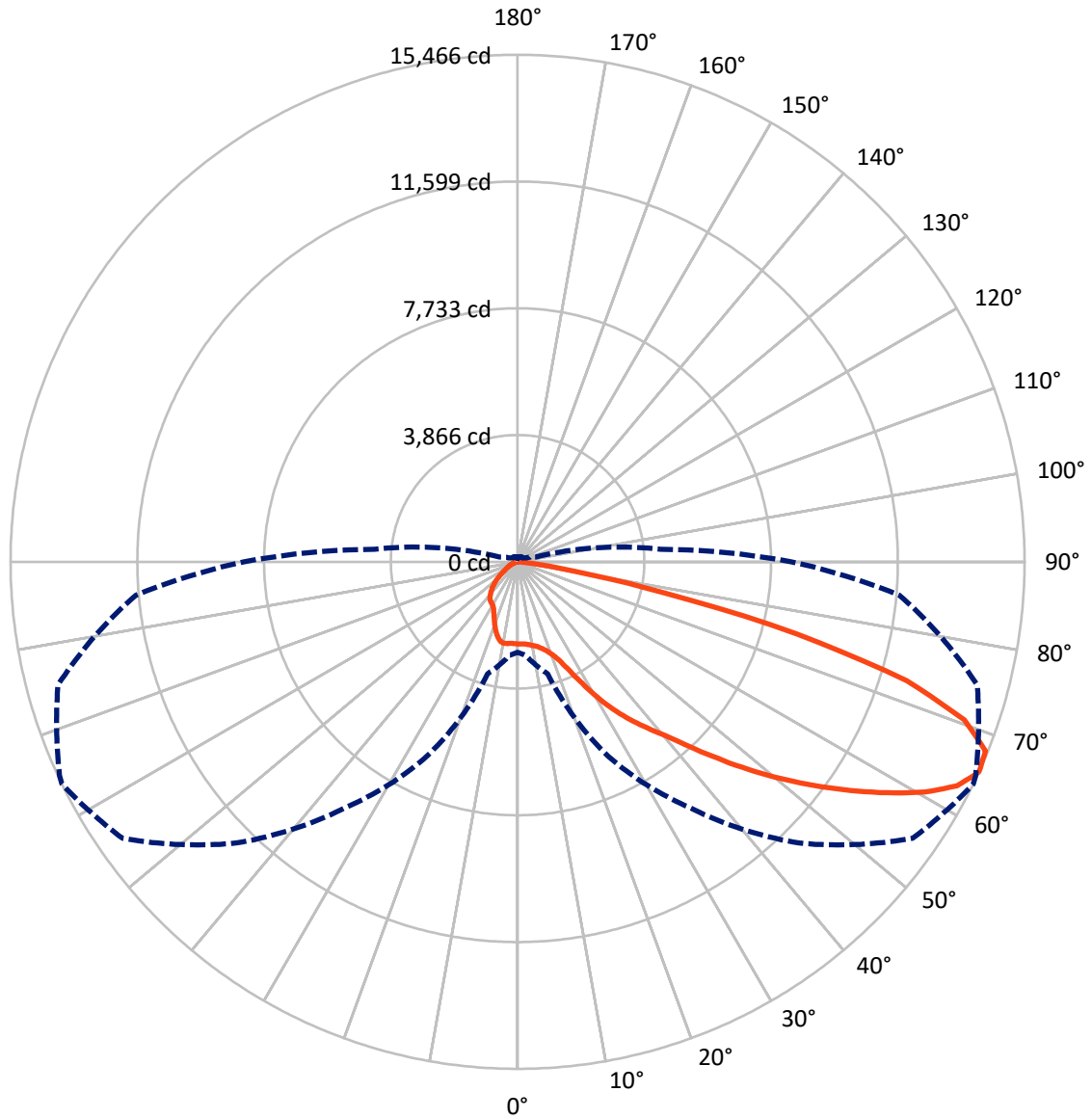
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2881.8	0.0	2881.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	18667.2	0.0	18667.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	21549.0	0.0	21549.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.2	1.1
10°-20°	627.2	2.9
20°-30°	1188.5	5.5
30°-40°	2404.9	11.2
40°-50°	4096.7	19.0
50°-60°	5571.2	25.9
60°-70°	5231.7	24.3
70°-80°	2096.0	9.7
80°-90°	101.5	0.5
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°	21549.0	100.0
0°-180°	21549.0	100.0

Coefficient of Utilization



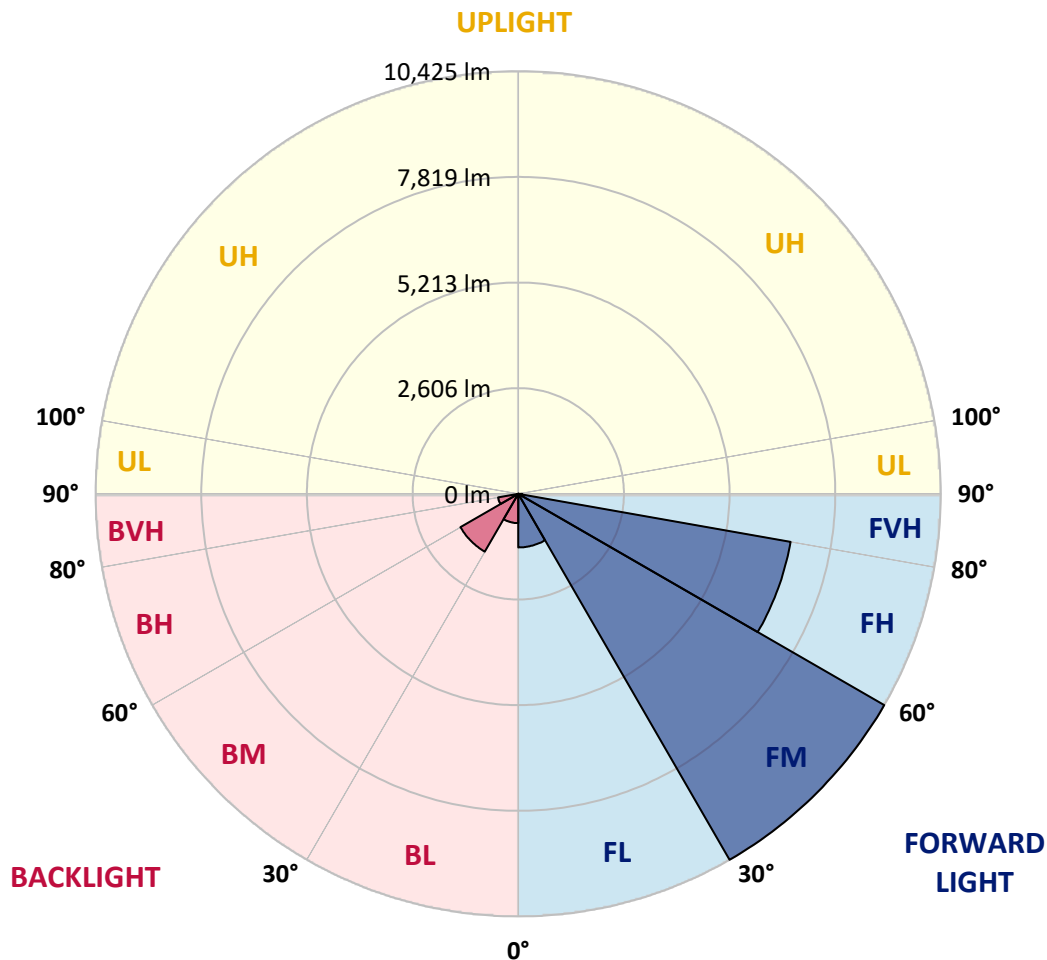
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1323.4	6.1			
FM (30°-60°)	10425.4	48.4			
FH (60°-80°)	6821.9	31.7			G3/7500
FVH (80°-90°)	96.6	0.4			G1/100
BL (0°-30°)	723.5	3.4	B2/1000		
BM (30°-60°)	1647.5	7.6	B2/2500		
BH (60°-80°)	505.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.0	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2506.4	2506.4	2506.4	2506.4	2506.4	2506.4	2506.4	2506.4	2506.4	2506.4
2.5°	2497.7	2515.0	2510.7	2506.4	2504.9	2507.8	2509.3	2507.8	2507.8	2507.8
5°	2450.0	2464.5	2464.5	2474.6	2489.0	2506.4	2519.4	2522.3	2525.2	2529.5
7.5°	2359.0	2370.6	2379.2	2412.5	2448.6	2494.8	2533.8	2554.0	2556.9	2572.8
10°	2296.9	2311.4	2325.8	2360.5	2412.5	2481.8	2548.3	2597.4	2604.6	2642.2
12.5°	2294.0	2308.5	2327.2	2364.8	2425.5	2499.1	2580.0	2650.8	2663.8	2718.7
15°	2324.4	2341.7	2359.0	2405.3	2470.3	2559.8	2646.5	2734.6	2747.6	2825.6
17.5°	2386.5	2409.6	2422.6	2468.8	2538.2	2637.8	2752.0	2853.1	2864.6	2955.6
20°	2509.3	2536.7	2541.0	2578.6	2646.5	2753.4	2889.2	3014.9	3029.3	3133.3
22.5°	2763.5	2802.5	2767.8	2786.6	2847.3	2954.2	3101.5	3260.5	3280.7	3399.1
25°	3211.3	3266.2	3176.7	3144.9	3170.9	3282.1	3467.0	3667.8	3690.9	3786.3
27.5°	4091.1	4020.3	3884.5	3751.6	3673.6	3737.2	3945.2	4193.7	4222.6	4315.0
30°	5057.5	4995.4	4811.9	4517.2	4332.3	4322.2	4514.4	4791.7	4824.9	4913.1
32.5°	6025.4	5966.2	5766.8	5404.2	5083.5	4924.6	5057.5	5365.2	5382.6	5438.9
35°	6977.4	6916.7	6717.4	6346.1	5951.7	5590.6	5564.6	5911.3	5917.1	5976.3
37.5°	7935.2	7884.6	7672.2	7308.2	6919.6	6421.2	6180.0	6428.4	6435.7	6493.5
40°	8618.5	8640.1	8494.2	8212.5	7878.8	7334.2	6870.5	6978.8	6935.5	7032.3
42.5°	9205.0	9248.3	9121.2	8979.6	8786.0	8306.4	7725.7	7706.9	7637.6	7689.6
45°	9712.0	9748.1	9634.0	9600.8	9596.4	9259.9	8660.3	8547.7	8450.9	8440.8
47.5°	9898.4	9967.7	10016.8	10128.1	10344.7	10203.2	9626.8	9452.0	9343.6	9264.2
50°	9969.2	10042.8	10210.4	10534.0	11046.8	11107.5	10588.9	10392.4	10259.5	10115.1
52.5°	9873.8	10005.3	10230.6	10775.2	11519.2	11832.7	11512.0	11340.1	11188.4	10952.9
55°	9311.9	9443.3	9904.1	10772.3	11754.7	12341.2	12384.5	12308.0	12137.5	11766.2
57.5°	8127.3	8322.3	9051.8	10405.4	11750.3	12778.9	13239.7	13294.6	13103.9	12572.3
60°	6486.2	6750.6	7640.5	9592.1	11387.7	13015.8	13989.5	14263.9	14061.7	13366.8
62.5°	4525.9	4832.2	5674.4	8318.0	10558.5	12845.3	14537.0	15044.0	14890.9	14077.6
65°	2760.6	2858.9	3537.8	6545.5	9148.6	12131.7	14706.0	15465.8	15415.3	14512.4
67.5°	1839.0	1921.3	2116.3	4488.4	7101.6	10705.9	14301.5	15392.2	15406.6	14441.6
70°	1108.0	1178.8	1305.9	2610.4	4602.5	8474.0	13049.0	14453.2	14537.0	13495.4
72.5°	456.5	504.2	619.7	1183.1	2383.6	5378.2	10391.0	12409.1	12604.1	11347.3
75°	258.6	283.1	364.0	593.7	1034.3	2506.4	6294.1	8809.1	9096.6	7821.0
77.5°	171.9	183.5	235.5	384.3	582.2	855.2	2689.8	4589.5	5138.4	4271.7
80°	115.6	125.7	161.8	257.1	378.5	366.9	856.6	1700.3	2091.8	1467.7
82.5°	78.0	79.5	115.6	169.0	239.8	177.7	252.8	528.7	664.5	424.7
85°	44.8	43.3	85.2	98.2	106.9	73.7	76.6	158.9	208.0	179.1
87.5°	5.8	8.7	33.2	26.0	14.4	15.9	15.9	27.4	40.4	43.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848607
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2506.4	0°	2506.4	2506.4	2506.4	2506.4	2506.4	2506.4	2506.4	2506.4	2506.4	2506.4
2509.3	2.5°	2509.3	2507.8	2503.5	2499.1	2489.0	2483.3	2486.1	2483.3	2481.8	2483.3
2528.0	5°	2528.0	2523.7	2512.2	2497.7	2477.5	2452.9	2437.0	2413.9	2392.2	2379.2
2578.6	7.5°	2578.6	2574.3	2558.4	2517.9	2452.9	2350.4	2256.5	2174.1	2112.0	2075.9
2659.5	10°	2659.5	2652.3	2627.7	2538.2	2367.7	2143.8	1957.4	1802.9	1701.7	1654.1
2754.8	12.5°	2754.8	2746.2	2702.8	2519.4	2205.9	1856.3	1599.2	1427.3	1333.4	1291.5
2864.6	15°	2867.5	2856.0	2770.7	2429.8	1970.4	1538.5	1303.0	1174.5	1113.8	1076.2
3004.8	17.5°	3007.6	2987.4	2821.3	2295.5	1714.7	1295.8	1121.0	1024.2	970.8	934.7
3188.2	20°	3189.7	3156.4	2861.7	2135.1	1479.3	1142.7	998.2	917.3	876.9	845.1
3448.2	22.5°	3443.9	3396.2	2910.9	1961.8	1313.1	1037.2	907.2	848.0	814.8	778.6
3810.8	25°	3758.8	3702.5	2971.5	1801.4	1199.0	946.2	840.8	791.6	752.6	710.7
4286.1	27.5°	4199.4	4098.3	3043.8	1670.0	1100.8	868.2	780.1	725.2	680.4	645.7
4824.9	30°	4690.6	4524.5	3107.3	1590.5	1011.2	796.0	700.6	645.7	603.8	579.3
5308.9	32.5°	5155.8	4930.4	3149.2	1555.8	930.3	713.6	614.0	554.7	522.9	515.7
5782.7	35°	5594.9	5297.3	3144.9	1522.6	858.1	631.3	528.7	468.0	443.5	447.8
6292.7	37.5°	6100.5	5688.8	3114.5	1470.6	798.9	556.2	455.0	401.6	379.9	381.4
6912.4	40°	6688.5	6141.0	3095.8	1372.4	733.9	486.8	394.4	351.0	335.1	329.4
7565.3	42.5°	7315.4	6578.7	3098.7	1261.1	653.0	424.7	352.5	316.4	301.9	297.6
8292.0	45°	7945.3	6996.2	3103.0	1145.6	567.7	377.0	322.1	291.8	283.1	277.4
9028.7	47.5°	8537.6	7351.5	3022.1	1021.3	483.9	340.9	297.6	277.4	270.1	262.9
9768.4	50°	9089.4	7588.5	2827.1	876.9	417.5	312.0	278.8	264.4	257.1	249.9
10438.6	52.5°	9518.4	7626.0	2504.9	728.1	371.3	290.4	267.3	254.2	245.6	238.4
10980.4	55°	9709.1	7390.5	2047.0	589.4	335.1	271.6	255.7	242.7	232.6	225.4
11406.5	57.5°	9660.0	6895.1	1596.3	473.8	300.5	252.8	241.2	232.6	221.0	209.5
11751.8	60°	9418.8	6232.0	1203.3	394.4	268.7	232.6	225.4	218.1	202.2	184.9
11884.7	62.5°	9001.3	5398.5	858.1	326.5	234.0	209.5	206.6	200.8	177.7	145.9
11688.2	65°	8362.8	4385.8	577.8	271.6	200.8	183.5	184.9	174.8	144.5	108.3
10968.8	67.5°	7429.6	3207.0	369.8	222.5	167.6	153.1	154.6	148.8	122.8	92.5
9605.1	70°	6240.7	2123.6	241.2	169.0	134.3	118.5	127.1	128.6	104.0	75.1
7371.8	72.5°	4575.0	1253.9	169.0	125.7	98.2	82.3	104.0	106.9	83.8	56.3
4434.9	75°	2607.5	595.2	127.1	91.0	60.7	57.8	80.9	80.9	57.8	37.6
1919.9	77.5°	1095.0	248.5	89.6	59.2	34.7	33.2	54.9	50.6	28.9	17.3
468.0	80°	316.4	111.2	47.7	28.9	14.4	13.0	21.7	15.9	7.2	2.9
177.7	82.5°	124.2	49.1	18.8	11.6	5.8	5.8	2.9	0.0	0.0	0.0
101.1	85°	73.7	20.2	8.7	4.3	1.4	0.0	0.0	0.0	0.0	0.0
21.7	87.5°	18.8	4.3	2.9	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°
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