

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: P848367

Luminaire Tested: **GLAN-SB4D-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848367
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-SB4D-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA 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: 20598 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

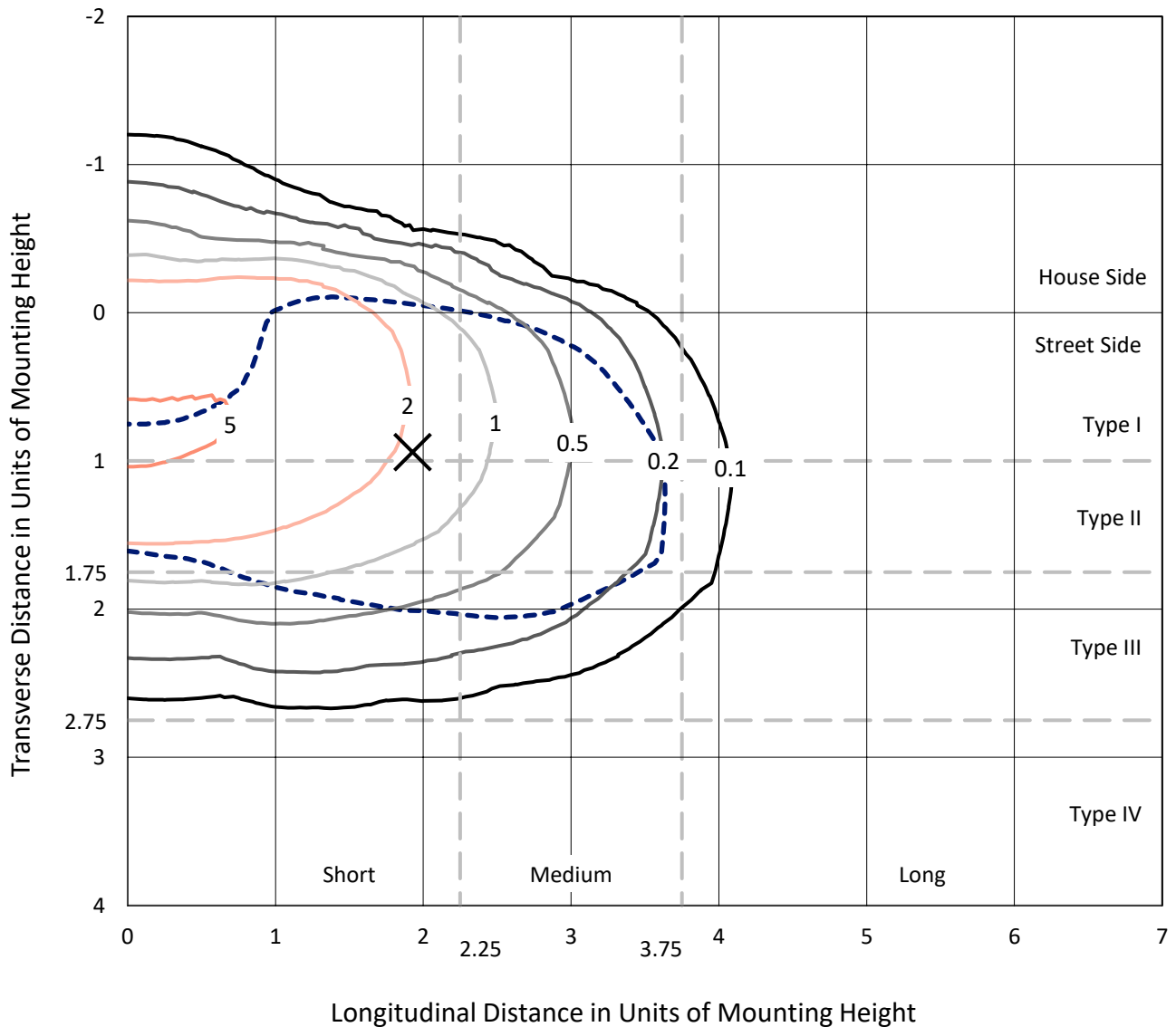
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

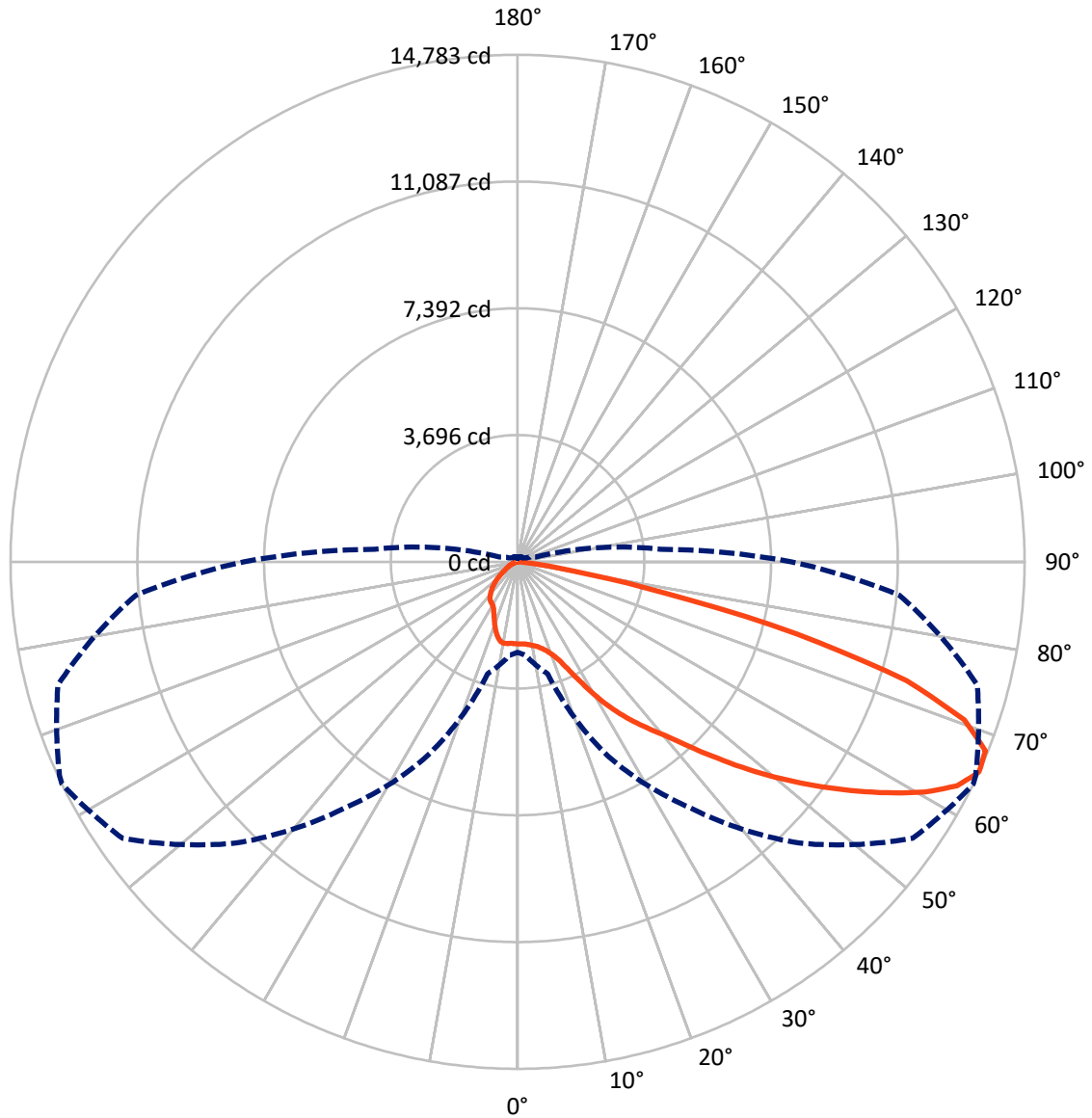
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	2754.6	0.0	2754.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	17843.4	0.0	17843.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	20598.0	0.0	20598.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.0	1.1
10°-20°	599.5	2.9
20°-30°	1136.0	5.5
30°-40°	2298.7	11.2
40°-50°	3915.9	19.0
50°-60°	5325.4	25.9
60°-70°	5000.8	24.3
70°-80°	2003.5	9.7
80°-90°	97.1	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°	20598.0	100.0
0°-180°	20598.0	100.0

Coefficient of Utilization



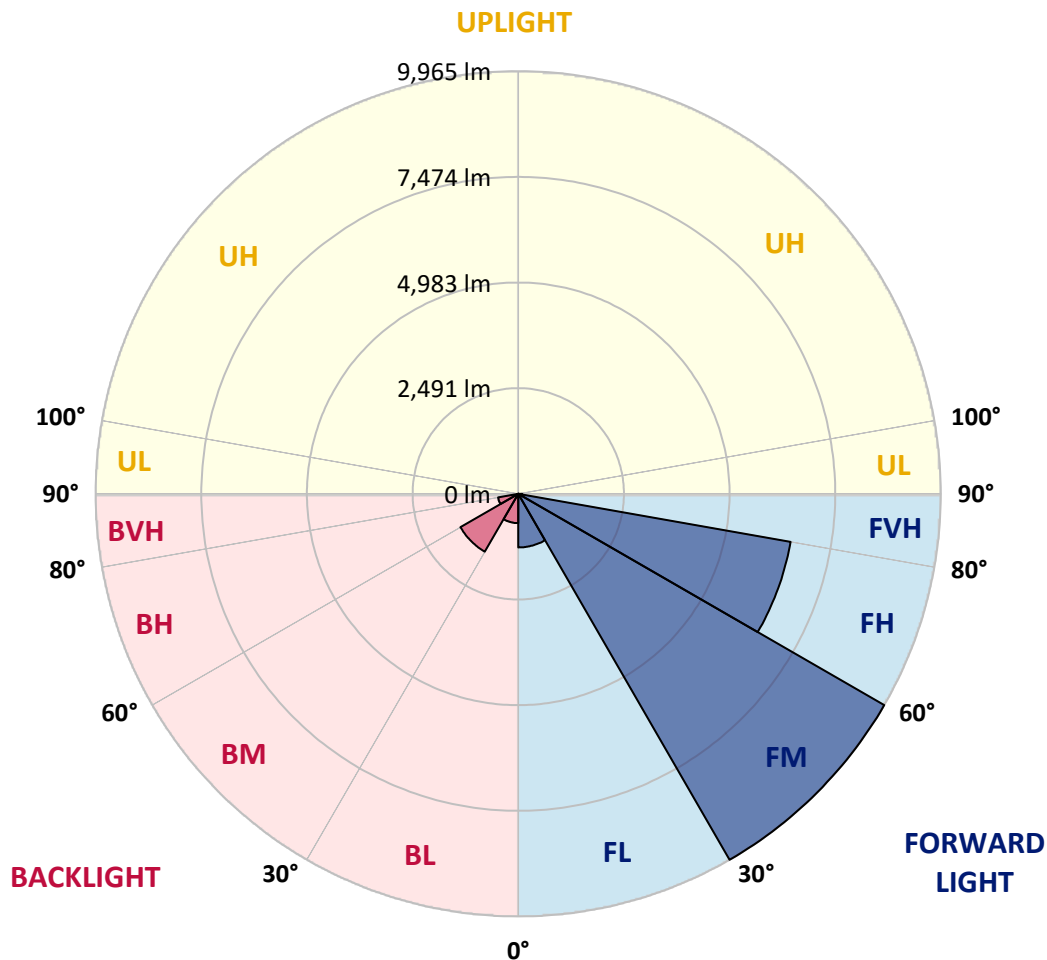
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1265.0	6.1			
FM	(30°-60°)	9965.3	48.4			
FH	(60°-80°)	6520.9	31.7			G3/7500
FVH	(80°-90°)	92.3	0.4			G1/100
BL	(0°-30°)	691.6	3.4	B2/1000		
BM	(30°-60°)	1574.8	7.6	B2/2500		
BH	(60°-80°)	483.5	2.3	B1/500		G1/500
BVH	(80°-90°)	4.7	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°	2395.8	2395.8	2395.8	2395.8	2395.8	2395.8	2395.8	2395.8	2395.8	2395.8
2.5°	2387.5	2404.0	2399.9	2395.8	2394.4	2397.1	2398.5	2397.1	2397.1	2397.1
5°	2341.9	2355.7	2355.7	2365.4	2379.2	2395.8	2408.2	2411.0	2413.7	2417.9
7.5°	2254.9	2266.0	2274.2	2306.0	2340.5	2384.7	2422.0	2441.3	2444.1	2459.3
10°	2195.5	2209.3	2223.2	2256.3	2306.0	2372.3	2435.8	2482.8	2489.7	2525.6
12.5°	2192.8	2206.6	2224.5	2260.4	2318.4	2388.9	2466.2	2533.8	2546.3	2598.7
15°	2221.8	2238.3	2254.9	2299.1	2361.2	2446.9	2529.7	2613.9	2626.4	2700.9
17.5°	2281.2	2303.2	2315.7	2359.9	2426.1	2521.4	2630.5	2727.2	2738.2	2825.2
20°	2398.5	2424.8	2428.9	2464.8	2529.7	2631.9	2761.7	2881.8	2895.6	2995.0
22.5°	2641.6	2678.8	2645.7	2663.6	2721.6	2823.8	2964.7	3116.6	3135.9	3249.1
25°	3069.6	3122.1	3036.5	3006.1	3030.9	3137.3	3314.0	3506.0	3528.1	3619.2
27.5°	3910.5	3842.9	3713.1	3586.0	3511.5	3572.2	3771.1	4008.6	4036.2	4124.6
30°	4834.3	4775.0	4599.6	4317.9	4141.1	4131.5	4315.1	4580.3	4612.0	4696.2
32.5°	5759.5	5702.9	5512.3	5165.7	4859.2	4707.3	4834.3	5128.4	5145.0	5198.9
35°	6669.5	6611.5	6420.9	6066.0	5689.1	5343.9	5319.0	5650.4	5655.9	5712.5
37.5°	7585.0	7536.6	7333.7	6985.7	6614.2	6137.8	5907.2	6144.7	6151.7	6206.9
40°	8238.1	8258.8	8119.4	7850.1	7531.1	7010.5	6567.3	6670.8	6629.4	6721.9
42.5°	8798.7	8840.2	8718.6	8583.3	8398.3	7939.8	7384.7	7366.8	7300.5	7350.2
45°	9283.4	9317.9	9208.8	9177.1	9172.9	8851.2	8278.1	8170.4	8077.9	8068.3
47.5°	9461.5	9527.8	9574.8	9681.1	9888.2	9752.9	9201.9	9034.9	8931.3	8855.3
50°	9529.2	9599.6	9759.8	10069.1	10559.3	10617.3	10121.6	9933.8	9806.7	9668.7
52.5°	9438.1	9563.7	9779.1	10299.7	11010.8	11310.5	11003.9	10839.6	10694.6	10469.5
55°	8900.9	9026.6	9467.1	10296.9	11235.9	11796.5	11838.0	11764.8	11601.8	11247.0
57.5°	7768.6	7955.0	8652.4	9946.2	11231.8	12214.9	12655.4	12707.9	12525.6	12017.5
60°	6200.0	6452.7	7303.3	9168.8	10885.2	12441.4	13372.1	13634.4	13441.1	12776.9
62.5°	4326.2	4618.9	5423.9	7950.9	10092.6	12278.4	13895.4	14380.1	14233.7	13456.3
65°	2638.8	2732.7	3381.7	6256.6	8744.9	11596.3	14057.0	14783.3	14735.0	13871.9
67.5°	1757.8	1836.5	2022.9	4290.3	6788.2	10233.4	13670.3	14712.9	14726.7	13804.3
70°	1059.1	1126.8	1248.3	2495.2	4399.4	8100.0	12473.1	13815.3	13895.4	12899.8
72.5°	436.3	481.9	592.4	1130.9	2278.4	5140.9	9932.4	11861.4	12047.8	10846.5
75°	247.2	270.6	348.0	567.5	988.7	2395.8	6016.3	8420.4	8695.2	7475.9
77.5°	164.3	175.4	225.1	367.3	556.5	817.5	2571.1	4386.9	4911.7	4083.2
80°	110.5	120.1	154.7	245.8	361.8	350.7	818.8	1625.3	1999.5	1402.9
82.5°	74.6	75.9	110.5	161.6	229.2	169.8	241.6	505.4	635.2	406.0
85°	42.8	41.4	81.5	93.9	102.2	70.4	73.2	151.9	198.8	171.2
87.5°	5.5	8.3	31.8	24.9	13.8	15.2	15.2	26.2	38.7	41.4
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°
2395.8	0°	2395.8	2395.8	2395.8	2395.8	2395.8	2395.8	2395.8	2395.8	2395.8	2395.8
2398.5	2.5°	2398.5	2397.1	2393.0	2388.9	2379.2	2373.7	2376.4	2373.7	2372.3	2373.7
2416.5	5°	2416.5	2412.3	2401.3	2387.5	2368.1	2344.7	2329.5	2307.4	2286.7	2274.2
2464.8	7.5°	2464.8	2460.7	2445.5	2406.8	2344.7	2246.6	2156.9	2078.2	2018.8	1984.3
2542.1	10°	2542.1	2535.2	2511.8	2426.1	2263.2	2049.2	1871.0	1723.3	1626.6	1581.1
2633.3	12.5°	2633.3	2625.0	2583.6	2408.2	2108.5	1774.4	1528.6	1364.3	1274.5	1234.5
2738.2	15°	2741.0	2729.9	2648.5	2322.6	1883.5	1470.6	1245.5	1122.6	1064.6	1028.7
2872.2	17.5°	2874.9	2855.6	2696.8	2194.2	1639.1	1238.6	1071.5	979.0	927.9	893.4
3047.5	20°	3048.9	3017.1	2735.4	2040.9	1414.0	1092.2	954.2	876.8	838.2	807.8
3296.1	22.5°	3291.9	3246.4	2782.4	1875.2	1255.2	991.4	867.2	810.6	778.8	744.3
3642.7	25°	3593.0	3539.1	2840.4	1721.9	1146.1	904.5	803.7	756.7	719.4	679.4
4097.0	27.5°	4014.1	3917.4	2909.4	1596.3	1052.2	829.9	745.7	693.2	650.4	617.2
4612.0	30°	4483.6	4324.8	2970.2	1520.3	966.6	760.8	669.7	617.2	577.2	553.7
5074.6	32.5°	4928.2	4712.8	3010.2	1487.2	889.3	682.1	586.9	530.2	499.9	493.0
5527.5	35°	5348.0	5063.5	3006.1	1455.4	820.2	603.4	505.4	447.4	423.9	428.1
6014.9	37.5°	5831.3	5437.8	2977.1	1405.7	763.6	531.6	435.0	383.9	363.2	364.5
6607.3	40°	6393.3	5870.0	2959.1	1311.8	701.5	465.3	377.0	335.5	320.4	314.8
7231.5	42.5°	6992.6	6288.4	2961.9	1205.5	624.1	406.0	336.9	302.4	288.6	284.5
7926.0	45°	7594.6	6687.4	2966.0	1095.0	542.7	360.4	307.9	278.9	270.6	265.1
8630.3	47.5°	8160.8	7027.1	2888.7	976.3	462.6	325.9	284.5	265.1	258.2	251.3
9337.3	50°	8688.3	7253.6	2702.3	838.2	399.1	298.3	266.5	252.7	245.8	238.9
9978.0	52.5°	9098.4	7289.5	2394.4	695.9	354.9	277.5	255.5	243.0	234.7	227.8
10495.8	55°	9280.6	7064.4	1956.7	563.4	320.4	259.6	244.4	232.0	222.3	215.4
10903.1	57.5°	9233.7	6590.8	1525.8	452.9	287.2	241.6	230.6	222.3	211.3	200.2
11233.2	60°	9003.1	5957.0	1150.2	377.0	256.8	222.3	215.4	208.5	193.3	176.7
11360.2	62.5°	8604.0	5160.2	820.2	312.1	223.7	200.2	197.5	191.9	169.8	139.5
11172.4	65°	7993.7	4192.2	552.3	259.6	191.9	175.4	176.7	167.1	138.1	103.6
10484.7	67.5°	7101.7	3065.5	353.5	212.6	160.2	146.4	147.8	142.2	117.4	88.4
9181.2	70°	5965.2	2029.8	230.6	161.6	128.4	113.2	121.5	122.9	99.4	71.8
7046.4	72.5°	4373.1	1198.6	161.6	120.1	93.9	78.7	99.4	102.2	80.1	53.9
4239.2	75°	2492.4	568.9	121.5	87.0	58.0	55.2	77.3	77.3	55.2	35.9
1835.1	77.5°	1046.7	237.5	85.6	56.6	33.1	31.8	52.5	48.3	27.6	16.6
447.4	80°	302.4	106.3	45.6	27.6	13.8	12.4	20.7	15.2	6.9	2.8
169.8	82.5°	118.8	46.9	18.0	11.0	5.5	5.5	2.8	0.0	0.0	0.0
96.7	85°	70.4	19.3	8.3	4.1	1.4	0.0	0.0	0.0	0.0	0.0
20.7	87.5°	18.0	4.1	2.8	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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2395.8
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