

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: P847667

Luminaire Tested: **GLAN-SB3D-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847667
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-SB3D-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 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: 21295 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

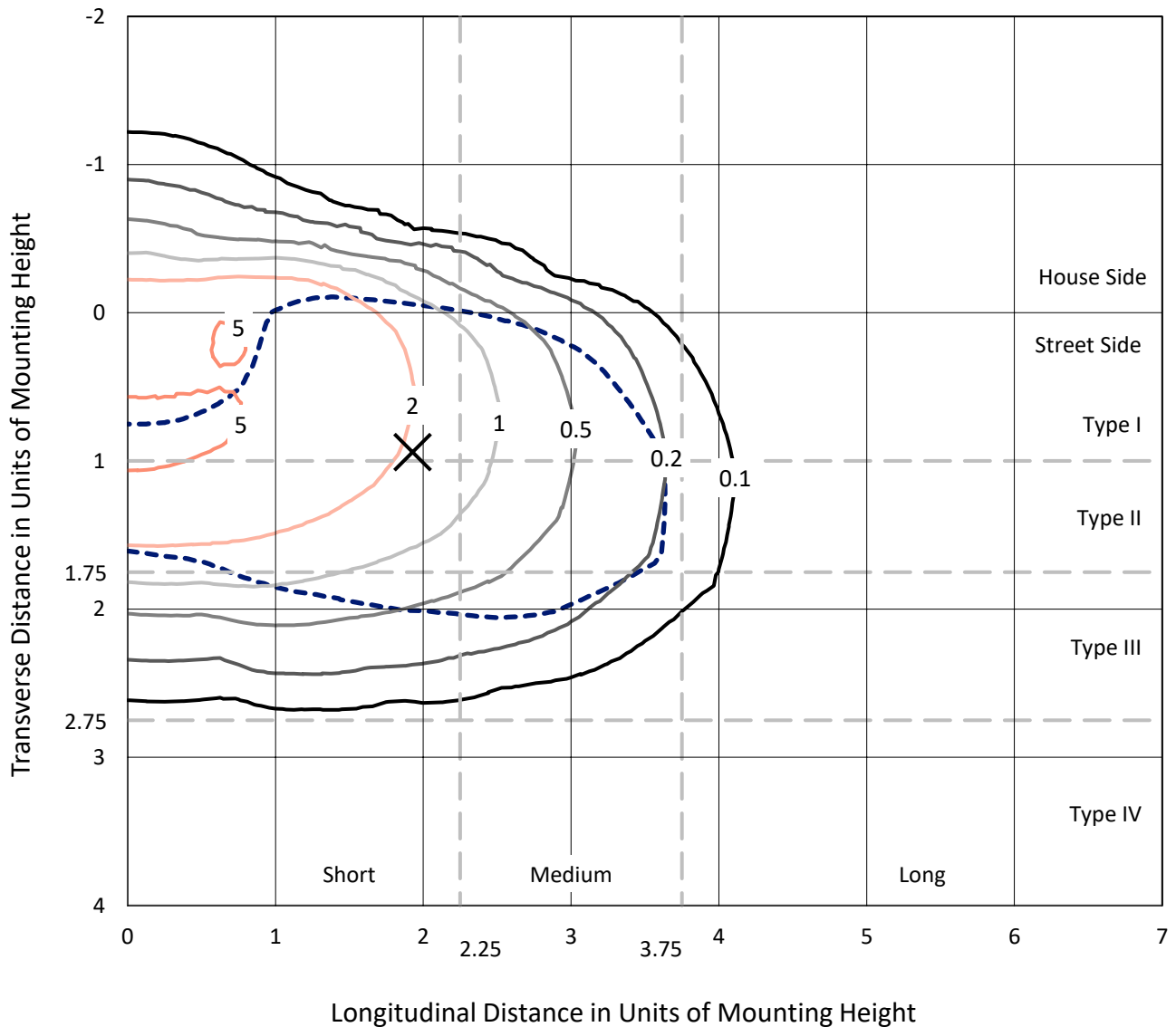
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

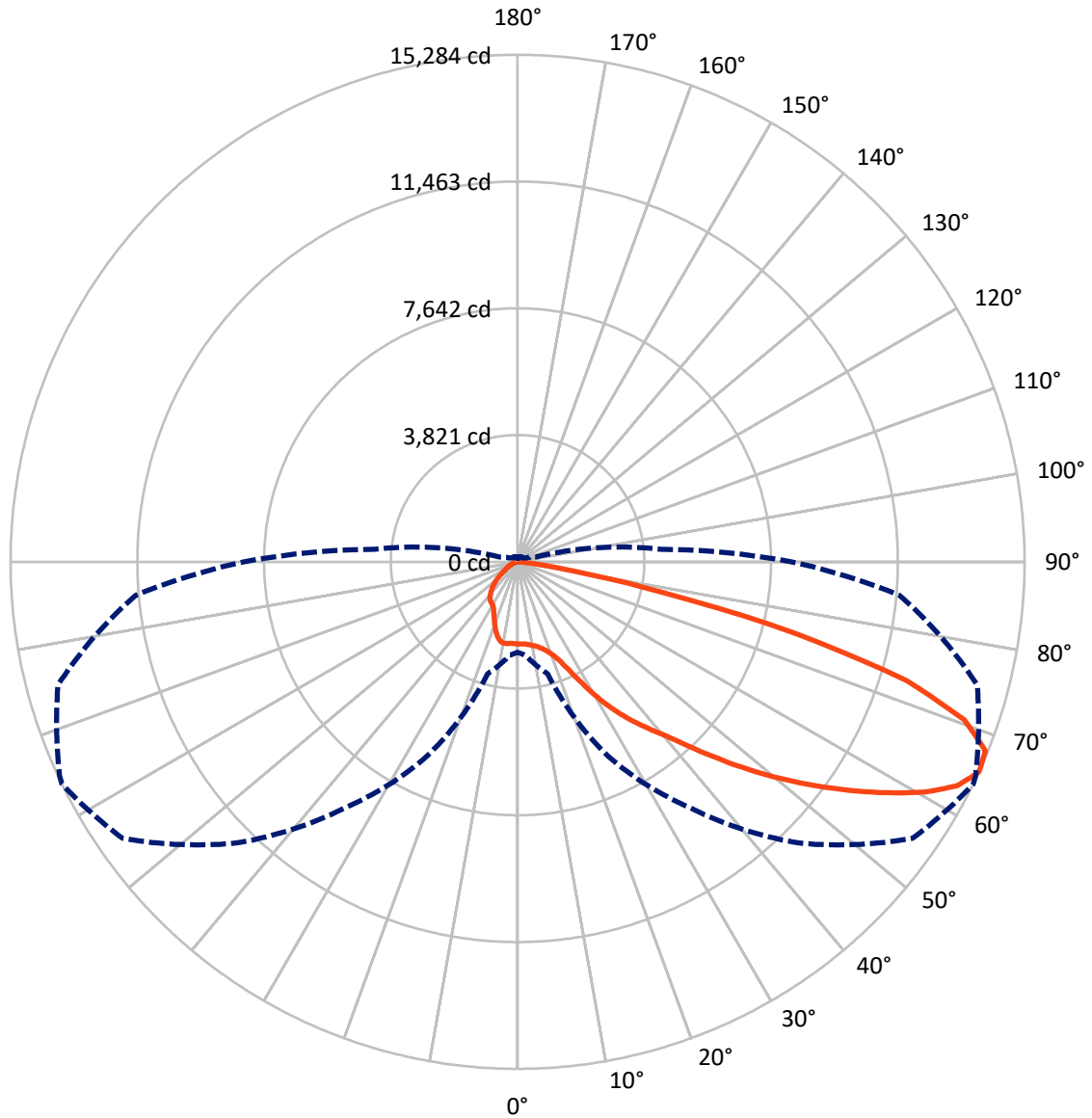
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type 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	2847.8	0.0	2847.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	18447.2	0.0	18447.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	21295.0	0.0	21295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.5	1.1
10°-20°	619.8	2.9
20°-30°	1174.4	5.5
30°-40°	2376.5	11.2
40°-50°	4048.4	19.0
50°-60°	5505.6	25.9
60°-70°	5170.0	24.3
70°-80°	2071.3	9.7
80°-90°	100.3	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°	21295.0	100.0
0°-180°	21295.0	100.0

Coefficient of Utilization



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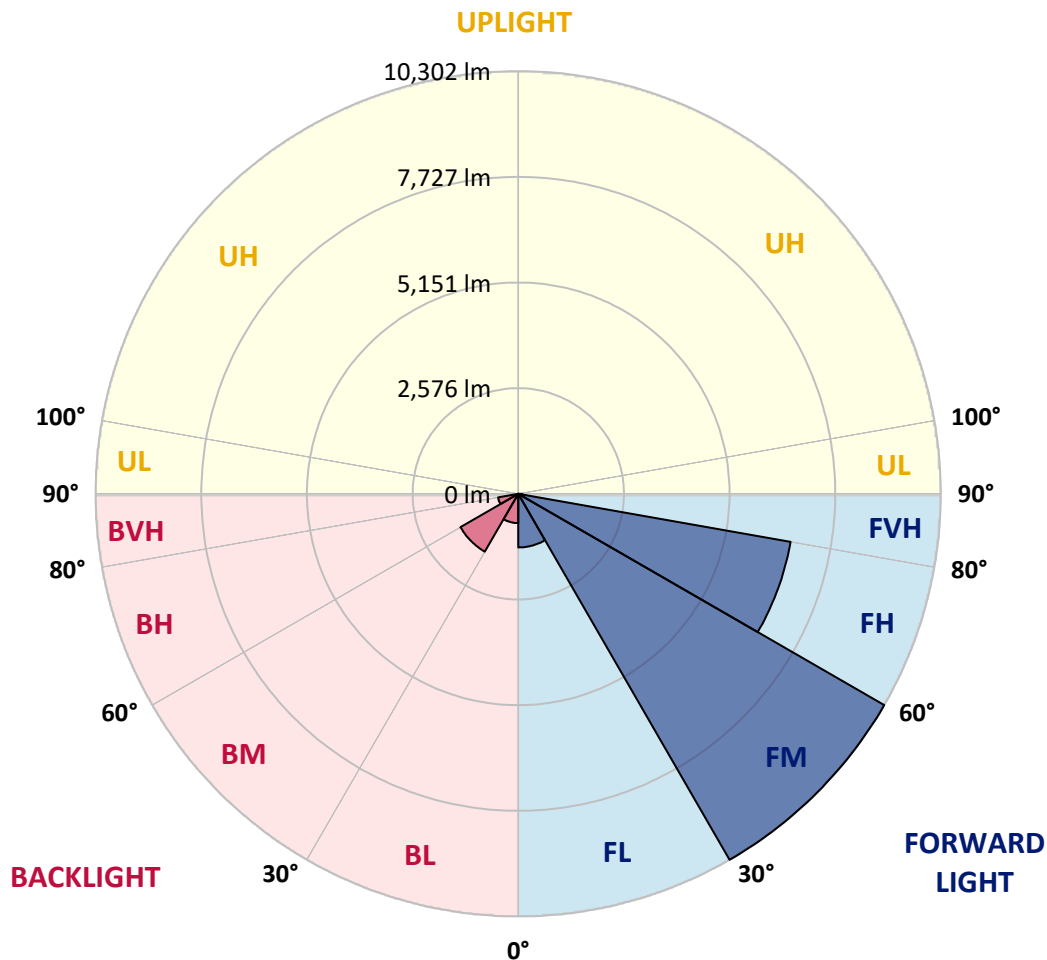
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1307.8	6.1			
FM (30°-60°)	10302.5	48.4			
FH (60°-80°)	6741.5	31.7			G3/7500
FVH (80°-90°)	95.4	0.4			G1/100
BL (0°-30°)	715.0	3.4	B2/1000		
BM (30°-60°)	1628.1	7.6	B2/2500		
BH (60°-80°)	499.8	2.3	B1/500		G1/500
BVH (80°-90°)	4.9	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°	2476.8	2476.8	2476.8	2476.8	2476.8	2476.8	2476.8	2476.8	2476.8	2476.8
2.5°	2468.3	2485.4	2481.1	2476.8	2475.4	2478.3	2479.7	2478.3	2478.3	2478.3
5°	2421.2	2435.4	2435.4	2445.4	2459.7	2476.8	2489.7	2492.5	2495.4	2499.7
7.5°	2331.2	2342.6	2351.2	2384.0	2419.7	2465.4	2504.0	2523.9	2526.8	2542.5
10°	2269.8	2284.1	2298.4	2332.6	2384.0	2452.6	2518.2	2566.8	2573.9	2611.0
12.5°	2267.0	2281.3	2299.8	2336.9	2396.9	2469.7	2549.6	2619.6	2632.4	2686.7
15°	2297.0	2314.1	2331.2	2376.9	2441.1	2529.6	2615.3	2702.4	2715.2	2792.3
17.5°	2358.3	2381.2	2394.0	2439.7	2508.2	2606.7	2719.5	2819.4	2830.9	2920.8
20°	2479.7	2506.8	2511.1	2548.2	2615.3	2720.9	2855.1	2979.3	2993.6	3096.4
22.5°	2730.9	2769.5	2735.2	2753.8	2813.7	2919.4	3065.0	3222.0	3242.0	3359.1
25°	3173.5	3227.7	3139.2	3107.8	3133.5	3243.4	3426.2	3624.6	3647.4	3741.7
27.5°	4042.9	3972.9	3838.7	3707.4	3630.3	3693.1	3898.7	4144.2	4172.8	4264.1
30°	4997.9	4936.5	4755.2	4464.0	4281.3	4271.3	4461.1	4735.2	4768.1	4855.2
32.5°	5954.4	5895.9	5698.8	5340.5	5023.6	4866.6	4997.9	5302.0	5319.1	5374.8
35°	6895.2	6835.2	6638.2	6271.3	5881.6	5524.7	5499.0	5841.6	5847.3	5905.8
37.5°	7841.6	7791.7	7581.8	7222.1	6838.0	6345.5	6107.1	6352.7	6359.8	6416.9
40°	8516.9	8538.3	8394.1	8115.7	7786.0	7247.8	6789.5	6896.6	6853.8	6949.4
42.5°	9096.5	9139.3	9013.7	8873.8	8682.5	8208.5	7634.6	7616.1	7547.5	7598.9
45°	9597.5	9633.2	9520.4	9487.6	9483.3	9150.7	8558.3	8446.9	8351.3	8341.3
47.5°	9781.7	9850.2	9898.8	10008.7	10222.8	10082.9	9513.3	9340.6	9233.5	9155.0
50°	9851.6	9924.4	10090.0	10409.8	10916.6	10976.6	10464.1	10269.9	10138.6	9995.8
52.5°	9757.4	9887.3	10110.0	10648.2	11383.4	11693.2	11376.3	11206.4	11056.5	10823.8
55°	9202.1	9332.0	9787.4	10645.4	11616.1	12195.7	12238.5	12162.9	11994.4	11627.5
57.5°	8031.5	8224.2	8945.1	10282.8	11611.8	12628.3	13083.7	13137.9	12949.5	12424.1
60°	6409.8	6671.0	7550.4	9479.0	11253.5	12862.4	13824.6	14095.8	13895.9	13209.3
62.5°	4472.6	4775.2	5607.5	8219.9	10434.1	12693.9	14365.6	14866.7	14715.4	13911.6
65°	2728.1	2825.2	3496.1	6468.3	9040.8	11988.7	14532.6	15283.5	15233.6	14341.3
67.5°	1817.3	1898.7	2091.4	4435.5	7017.9	10579.7	14132.9	15210.7	15225.0	14271.4
70°	1094.9	1164.9	1290.5	2579.6	4548.2	8374.1	12895.2	14282.8	14365.6	13336.3
72.5°	451.1	498.2	612.4	1169.2	2355.5	5314.8	10268.5	12262.8	12455.5	11213.5
75°	255.5	279.8	359.7	586.7	1022.1	2476.8	6219.9	8705.3	8989.4	7728.9
77.5°	169.9	181.3	232.7	379.7	575.3	845.1	2658.1	4535.4	5077.9	4221.3
80°	114.2	124.2	159.9	254.1	374.0	362.6	846.5	1680.2	2067.1	1450.4
82.5°	77.1	78.5	114.2	167.0	237.0	175.6	249.8	522.5	656.7	419.7
85°	44.3	42.8	84.2	97.1	105.6	72.8	75.7	157.0	205.6	177.0
87.5°	5.7	8.6	32.8	25.7	14.3	15.7	15.7	27.1	40.0	42.8
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°
2476.8	0°	2476.8	2476.8	2476.8	2476.8	2476.8	2476.8	2476.8	2476.8	2476.8	2476.8
2479.7	2.5°	2479.7	2478.3	2474.0	2469.7	2459.7	2454.0	2456.8	2454.0	2452.6	2454.0
2498.2	5°	2498.2	2494.0	2482.5	2468.3	2448.3	2424.0	2408.3	2385.5	2364.1	2351.2
2548.2	7.5°	2548.2	2543.9	2528.2	2488.3	2424.0	2322.7	2229.9	2148.5	2087.1	2051.4
2628.2	10°	2628.2	2621.0	2596.7	2508.2	2339.8	2118.5	1934.4	1781.6	1681.7	1634.6
2722.4	12.5°	2722.4	2713.8	2671.0	2489.7	2179.9	1834.4	1580.3	1410.4	1317.6	1276.2
2830.9	15°	2833.7	2822.3	2738.1	2401.2	1947.2	1520.4	1287.7	1160.6	1100.7	1063.5
2969.3	17.5°	2972.2	2952.2	2788.0	2268.4	1694.5	1280.5	1107.8	1012.1	959.3	923.6
3150.6	20°	3152.1	3119.2	2828.0	2109.9	1461.8	1129.2	986.4	906.5	866.5	835.1
3407.6	22.5°	3403.3	3356.2	2876.5	1938.6	1297.7	1025.0	896.5	838.0	805.1	769.5
3765.9	25°	3714.5	3658.9	2936.5	1780.2	1184.9	935.1	830.8	782.3	743.8	702.4
4235.6	27.5°	4149.9	4050.0	3007.9	1650.3	1087.8	858.0	770.9	716.6	672.4	638.1
4768.1	30°	4635.3	4471.1	3070.7	1571.8	999.3	786.6	692.4	638.1	596.7	572.5
5246.3	32.5°	5095.0	4872.3	3112.1	1537.5	919.4	705.2	606.7	548.2	516.8	509.6
5714.6	35°	5529.0	5234.9	3107.8	1504.7	848.0	623.8	522.5	462.5	438.3	442.5
6218.5	37.5°	6028.6	5621.8	3077.8	1453.3	789.4	549.6	449.7	396.9	375.5	376.9
6830.9	40°	6609.6	6068.6	3059.3	1356.2	725.2	481.1	389.7	346.9	331.2	325.5
7476.2	42.5°	7229.2	6501.1	3062.1	1246.3	645.3	419.7	348.3	312.6	298.4	294.1
8194.2	45°	7851.6	6913.7	3066.4	1132.1	561.0	372.6	318.3	288.4	279.8	274.1
8922.3	47.5°	8436.9	7264.9	2986.5	1009.3	478.2	336.9	294.1	274.1	267.0	259.8
9653.2	50°	8982.3	7499.0	2793.7	866.5	412.6	308.4	275.5	261.2	254.1	247.0
10315.6	52.5°	9406.2	7536.1	2475.4	719.5	366.9	286.9	264.1	251.3	242.7	235.5
10850.9	55°	9594.7	7303.4	2022.9	582.4	331.2	268.4	252.7	239.8	229.8	222.7
11272.1	57.5°	9546.1	6813.8	1577.5	468.2	296.9	249.8	238.4	229.8	218.4	207.0
11613.3	60°	9307.7	6158.5	1189.2	389.7	265.5	229.8	222.7	215.6	199.9	182.7
11744.6	62.5°	8895.2	5334.8	848.0	322.6	231.3	207.0	204.1	198.4	175.6	144.2
11550.4	65°	8264.2	4334.1	571.0	268.4	198.4	181.3	182.7	172.7	142.8	107.1
10839.5	67.5°	7342.0	3169.2	365.5	219.8	165.6	151.3	152.7	147.0	121.3	91.4
9491.9	70°	6167.1	2098.5	238.4	167.0	132.8	117.1	125.6	127.1	102.8	74.2
7284.9	72.5°	4521.1	1239.1	167.0	124.2	97.1	81.4	102.8	105.6	82.8	55.7
4382.6	75°	2576.8	588.2	125.6	89.9	60.0	57.1	79.9	79.9	57.1	37.1
1897.2	77.5°	1082.1	245.5	88.5	58.5	34.3	32.8	54.2	50.0	28.6	17.1
462.5	80°	312.6	109.9	47.1	28.6	14.3	12.8	21.4	15.7	7.1	2.9
175.6	82.5°	122.8	48.5	18.6	11.4	5.7	5.7	2.9	0.0	0.0	0.0
99.9	85°	72.8	20.0	8.6	4.3	1.4	0.0	0.0	0.0	0.0	0.0
21.4	87.5°	18.6	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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2476.8
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