

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: P850527

Luminaire Tested: **GLAN-SB8A-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850527
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-SB8A-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 350mA 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: 22682 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

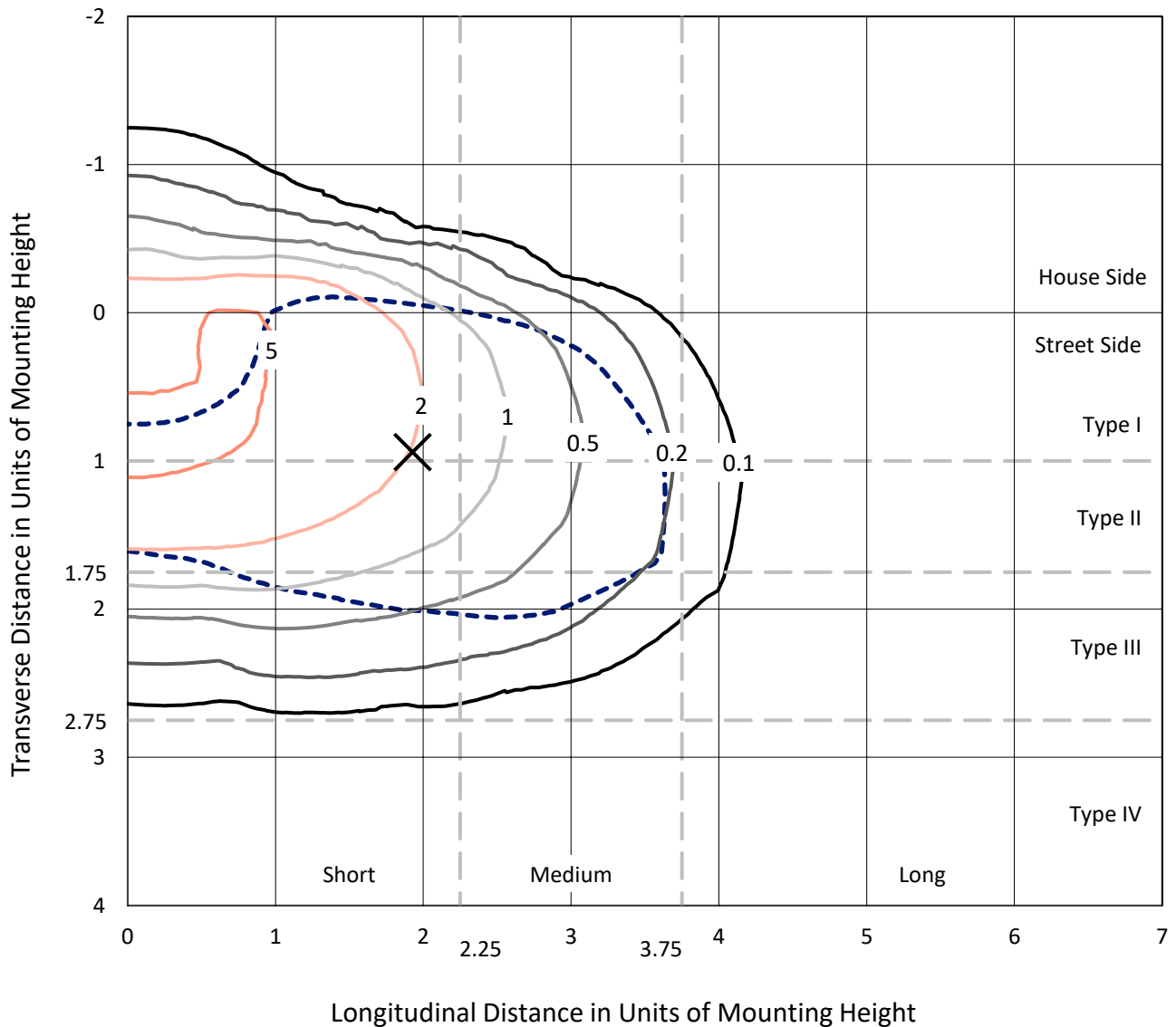
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

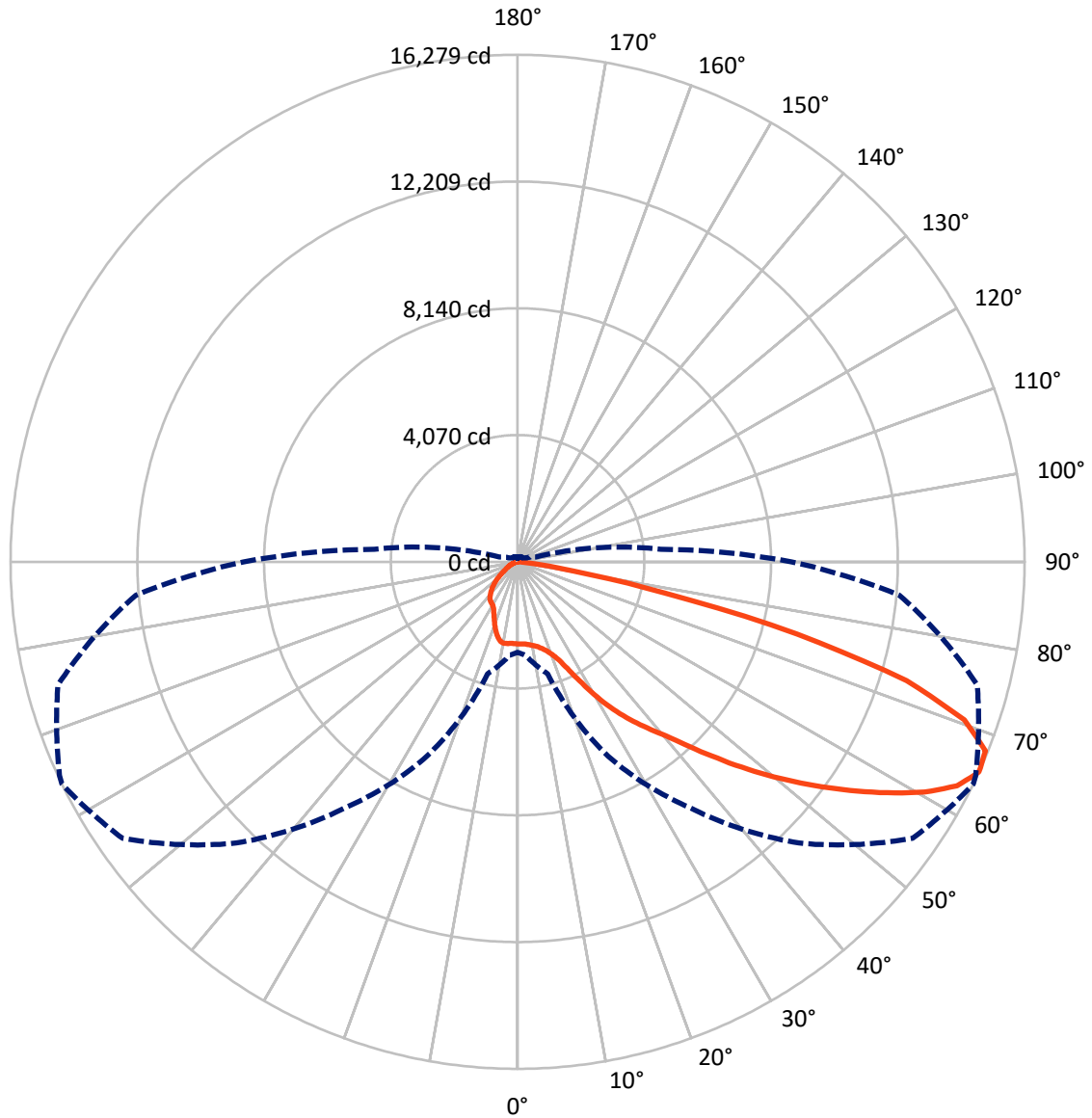
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - N/A

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CATALOG NUMBER: GLAN-SB8A-827-U-T3-HSS

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	3033.3	0.0	3033.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19648.7	0.0	19648.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	22682.0	0.0	22682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.4	1.1
10°-20°	660.2	2.9
20°-30°	1250.9	5.5
30°-40°	2531.3	11.2
40°-50°	4312.1	19.0
50°-60°	5864.2	25.9
60°-70°	5506.7	24.3
70°-80°	2206.2	9.7
80°-90°	106.9	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°	22682.0	100.0
0°-180°	22682.0	100.0

Coefficient of Utilization



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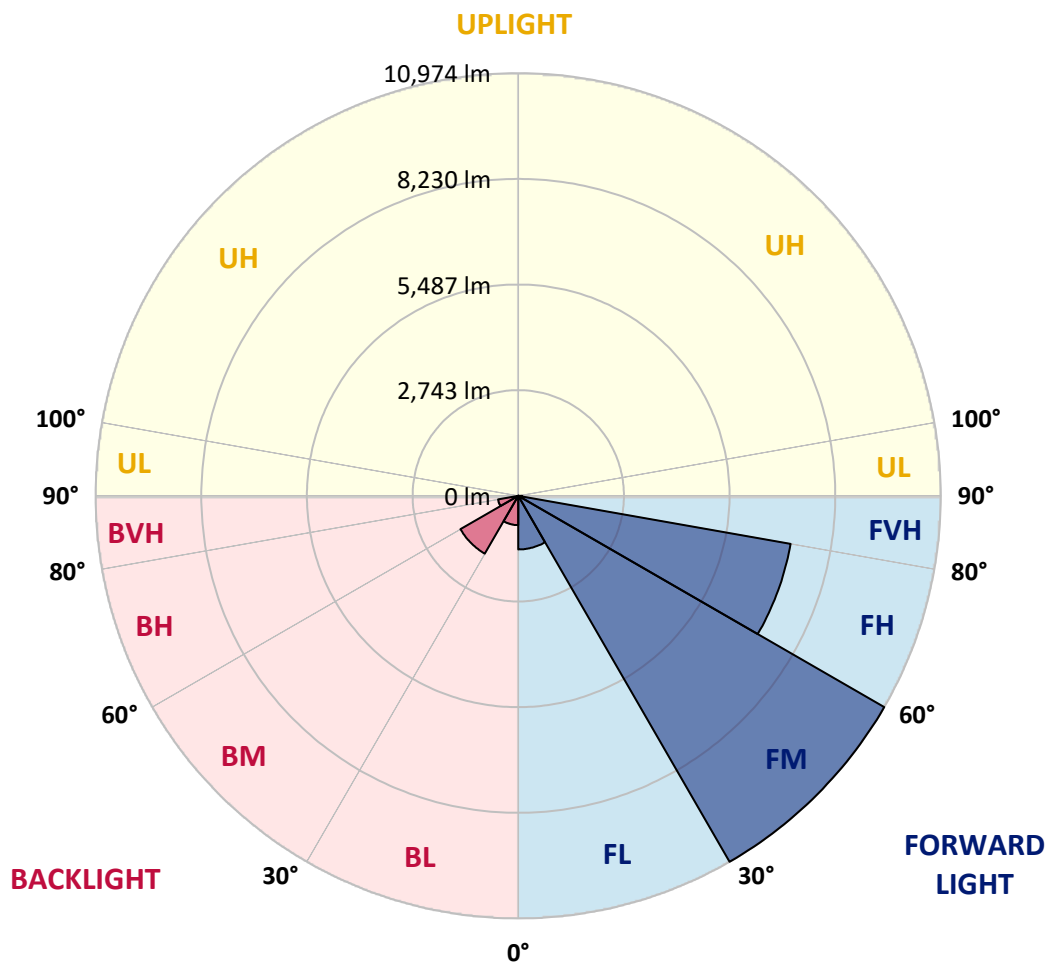
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1392.9	6.1			
FM (30°-60°)	10973.5	48.4			
FH (60°-80°)	7180.6	31.7			G3/7500
FVH (80°-90°)	101.7	0.4			G2/225
BL (0°-30°)	761.6	3.4	B2/1000		
BM (30°-60°)	1734.1	7.6	B2/2500		
BH (60°-80°)	532.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.2	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



REPORT NUMBER: P850527
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2
2.5°	2629.0	2647.3	2642.7	2638.2	2636.6	2639.7	2641.2	2639.7	2639.7	2639.7
5°	2578.9	2594.1	2594.1	2604.7	2619.9	2638.2	2651.8	2654.9	2657.9	2662.5
7.5°	2483.1	2495.2	2504.3	2539.3	2577.3	2626.0	2667.0	2688.3	2691.4	2708.1
10°	2417.7	2432.9	2448.1	2484.6	2539.3	2612.3	2682.2	2733.9	2741.5	2781.1
12.5°	2414.6	2429.8	2449.6	2489.1	2553.0	2630.5	2715.7	2790.2	2803.9	2861.7
15°	2446.6	2464.8	2483.1	2531.7	2600.1	2694.4	2785.6	2878.4	2892.1	2974.2
17.5°	2511.9	2536.3	2550.0	2598.6	2671.6	2776.5	2896.6	3003.1	3015.2	3111.0
20°	2641.2	2670.1	2674.6	2714.2	2785.6	2898.2	3041.1	3173.4	3188.6	3298.1
22.5°	2908.8	2949.9	2913.4	2933.1	2997.0	3109.5	3264.6	3431.9	3453.2	3577.9
25°	3380.2	3438.0	3343.7	3310.2	3337.6	3454.7	3649.3	3860.7	3885.0	3985.4
27.5°	4306.2	4231.7	4088.8	3948.9	3866.8	3933.7	4152.6	4414.2	4444.6	4541.9
30°	5323.4	5258.1	5064.9	4754.8	4560.1	4549.5	4751.7	5043.7	5078.6	5171.4
32.5°	6342.2	6279.9	6070.0	5688.4	5350.8	5183.6	5323.4	5647.3	5665.6	5724.9
35°	7344.3	7280.4	7070.6	6679.8	6264.7	5884.5	5857.2	6222.1	6228.2	6290.5
37.5°	8352.4	8299.2	8075.6	7692.5	7283.4	6758.8	6504.9	6766.4	6774.0	6834.9
40°	9071.6	9094.4	8940.8	8644.3	8293.1	7719.8	7231.7	7345.8	7300.2	7402.0
42.5°	9688.9	9734.6	9600.7	9451.7	9248.0	8743.2	8131.9	8112.1	8039.1	8093.9
45°	10222.6	10260.7	10140.5	10105.6	10101.0	9746.7	9115.7	8997.1	8895.2	8884.6
47.5°	10418.8	10491.8	10543.5	10660.6	10888.6	10739.6	10132.9	9949.0	9834.9	9751.3
50°	10493.3	10570.9	10747.2	11087.8	11627.6	11691.5	11145.6	10938.8	10798.9	10646.9
52.5°	10393.0	10531.3	10768.5	11341.8	12124.9	12454.8	12117.3	11936.3	11776.7	11528.8
55°	9801.5	9939.8	10424.9	11338.7	12372.7	12990.0	13035.7	12955.1	12775.7	12384.9
57.5°	8554.6	8759.9	9527.8	10952.5	12368.1	13450.8	13935.8	13993.6	13792.9	13233.3
60°	6827.3	7105.5	8042.2	10096.4	11986.5	13700.1	14725.0	15013.9	14801.0	14069.6
62.5°	4763.9	5086.2	5972.7	8755.3	11113.7	13520.7	15301.3	15835.0	15673.8	14817.7
65°	2905.8	3009.2	3723.8	6889.6	9629.6	12769.6	15479.2	16279.0	16225.8	15275.4
67.5°	1935.7	2022.3	2227.6	4724.3	7475.0	11268.8	15053.4	16201.4	16216.7	15200.9
70°	1166.3	1240.8	1374.6	2747.6	4844.5	8919.5	13735.1	15213.1	15301.3	14205.0
72.5°	480.5	530.7	652.3	1245.3	2508.9	5661.0	10937.3	13061.5	13266.8	11943.9
75°	272.2	298.0	383.2	624.9	1088.7	2638.2	6625.0	9272.3	9574.9	8232.3
77.5°	180.9	193.1	247.8	404.5	612.8	900.2	2831.3	4830.8	5408.6	4496.3
80°	121.6	132.3	170.3	270.7	398.4	386.2	901.7	1789.7	2201.8	1544.9
82.5°	82.1	83.6	121.6	177.9	252.4	187.0	266.1	556.5	699.5	447.0
85°	47.1	45.6	89.7	103.4	112.5	77.5	80.6	167.3	219.0	188.5
87.5°	6.1	9.1	35.0	27.4	15.2	16.7	16.7	28.9	42.6	45.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850527
 CATALOG NUMBER: GLAN-SB8A-827-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2638.2	0°	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2
2641.2	2.5°	2641.2	2639.7	2635.1	2630.5	2619.9	2613.8	2616.9	2613.8	2612.3	2613.8
2661.0	5°	2661.0	2656.4	2644.2	2629.0	2607.7	2581.9	2565.2	2540.8	2518.0	2504.3
2714.2	7.5°	2714.2	2709.6	2692.9	2650.3	2581.9	2473.9	2375.1	2288.4	2223.0	2185.0
2799.3	10°	2799.3	2791.7	2765.9	2671.6	2492.2	2256.5	2060.3	1897.6	1791.2	1741.0
2899.7	12.5°	2899.7	2890.6	2844.9	2651.8	2321.9	1953.9	1683.2	1502.3	1403.5	1359.4
3015.2	15°	3018.3	3006.1	2916.4	2557.6	2074.0	1619.4	1371.5	1236.2	1172.3	1132.8
3162.7	17.5°	3165.8	3144.5	2969.6	2416.2	1804.9	1363.9	1179.9	1078.1	1021.8	983.8
3355.9	20°	3357.4	3322.4	3012.2	2247.4	1557.0	1202.8	1050.7	965.5	923.0	889.5
3629.5	22.5°	3625.0	3574.8	3063.9	2064.9	1382.2	1091.8	954.9	892.6	857.6	819.6
4011.2	25°	3956.5	3897.2	3127.8	1896.1	1262.1	996.0	885.0	833.3	792.2	748.1
4511.5	27.5°	4420.2	4313.8	3203.8	1757.8	1158.7	913.8	821.1	763.3	716.2	679.7
5078.6	30°	4937.2	4762.4	3270.7	1674.1	1064.4	837.8	737.5	679.7	635.6	609.7
5588.0	32.5°	5426.8	5189.6	3314.8	1637.6	979.2	751.2	646.2	583.9	550.4	542.8
6086.8	35°	5889.1	5575.9	3310.2	1602.7	903.2	664.5	556.5	492.7	466.8	471.4
6623.5	37.5°	6421.3	5987.9	3278.3	1547.9	840.9	585.4	479.0	422.7	399.9	401.4
7275.8	40°	7040.1	6463.9	3258.5	1444.5	772.4	512.4	415.1	369.5	352.8	346.7
7963.1	42.5°	7700.1	6924.6	3261.6	1327.4	687.3	447.0	371.0	333.0	317.8	313.2
8727.9	45°	8363.0	7364.0	3266.1	1205.8	597.6	396.9	339.1	307.2	298.0	291.9
9503.4	47.5°	8986.4	7738.1	3181.0	1075.0	509.4	358.8	313.2	291.9	284.3	276.7
10282.0	50°	9567.3	7987.4	2975.7	923.0	439.4	328.4	293.5	278.3	270.7	263.1
10987.5	52.5°	10018.9	8027.0	2636.6	766.4	390.8	305.6	281.3	267.6	258.5	250.9
11557.7	55°	10219.6	7779.1	2154.6	620.4	352.8	285.9	269.1	255.5	244.8	237.2
12006.3	57.5°	10167.9	7257.6	1680.2	498.7	316.3	266.1	253.9	244.8	232.6	220.5
12369.7	60°	9914.0	6559.6	1266.6	415.1	282.8	244.8	237.2	229.6	212.9	194.6
12509.6	62.5°	9474.5	5682.3	903.2	343.6	246.3	220.5	217.4	211.4	187.0	153.6
12302.8	65°	8802.5	4616.4	608.2	285.9	211.4	193.1	194.6	184.0	152.1	114.0
11545.5	67.5°	7820.2	3375.6	389.3	234.2	176.4	161.2	162.7	156.6	129.2	97.3
10110.1	70°	6568.8	2235.2	253.9	177.9	141.4	124.7	133.8	135.3	109.5	79.1
7759.4	72.5°	4815.6	1319.8	177.9	132.3	103.4	86.7	109.5	112.5	88.2	59.3
4668.1	75°	2744.6	626.5	133.8	95.8	63.9	60.8	85.2	85.2	60.8	39.5
2020.8	77.5°	1152.6	261.5	94.3	62.3	36.5	35.0	57.8	53.2	30.4	18.2
492.7	80°	333.0	117.1	50.2	30.4	15.2	13.7	22.8	16.7	7.6	3.0
187.0	82.5°	130.8	51.7	19.8	12.2	6.1	6.1	3.0	0.0	0.0	0.0
106.4	85°	77.5	21.3	9.1	4.6	1.5	0.0	0.0	0.0	0.0	0.0
22.8	87.5°	19.8	4.6	3.0	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°
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2638.2
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