

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: P852444

Luminaire Tested: **GLAN-SB3D-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852444
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-SB3D-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 900mA 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: 19849 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

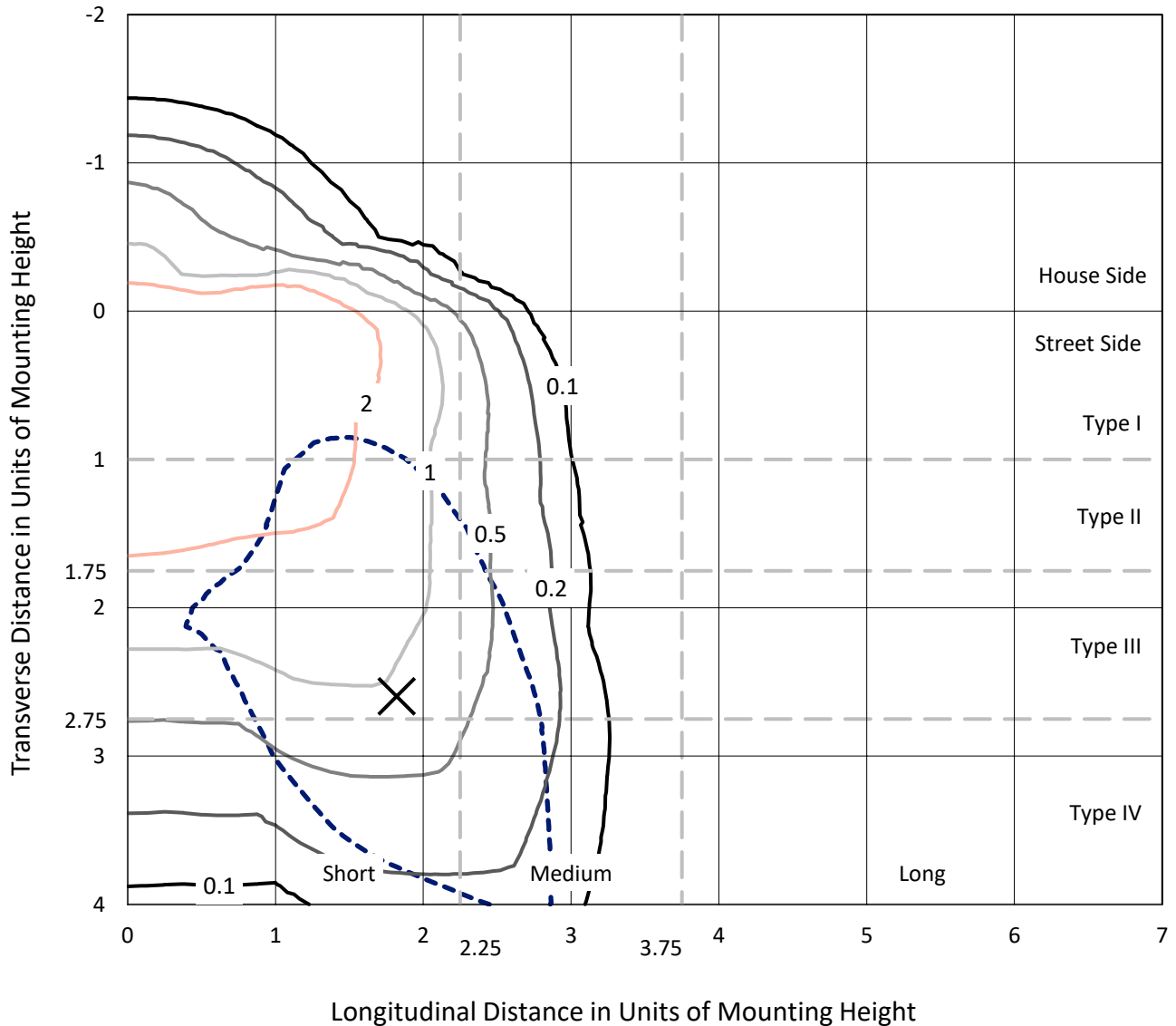
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

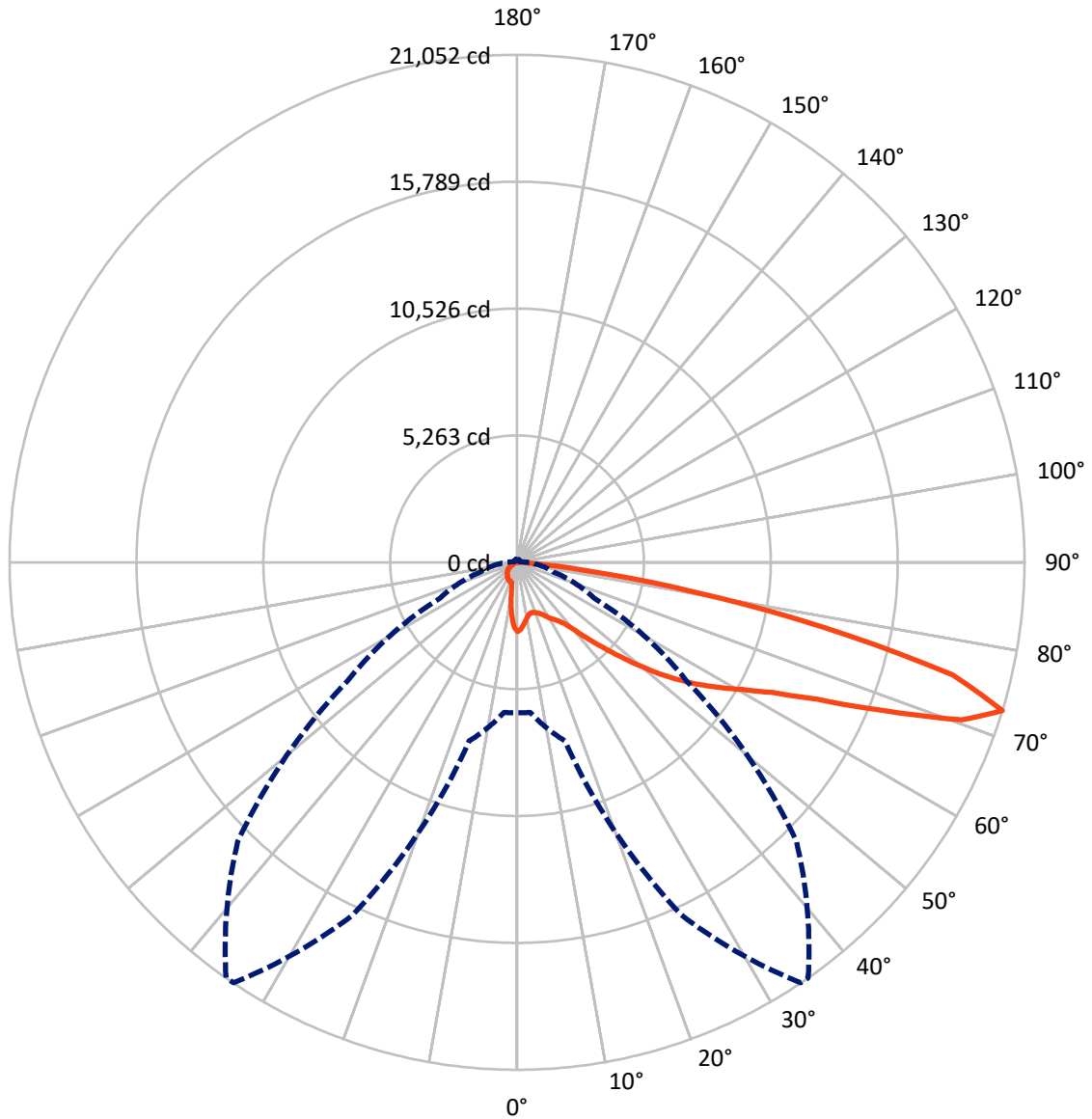
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	2233.9	0.0	2233.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	17615.1	0.0	17615.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	19849.0	0.0	19849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.4	1.2
10°-20°	553.0	2.8
20°-30°	898.4	4.5
30°-40°	1498.9	7.6
40°-50°	2836.0	14.3
50°-60°	4506.4	22.7
60°-70°	5574.7	28.1
70°-80°	3465.3	17.5
80°-90°	280.0	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°	19849.0	100.0
0°-180°	19849.0	100.0

Coefficient of Utilization

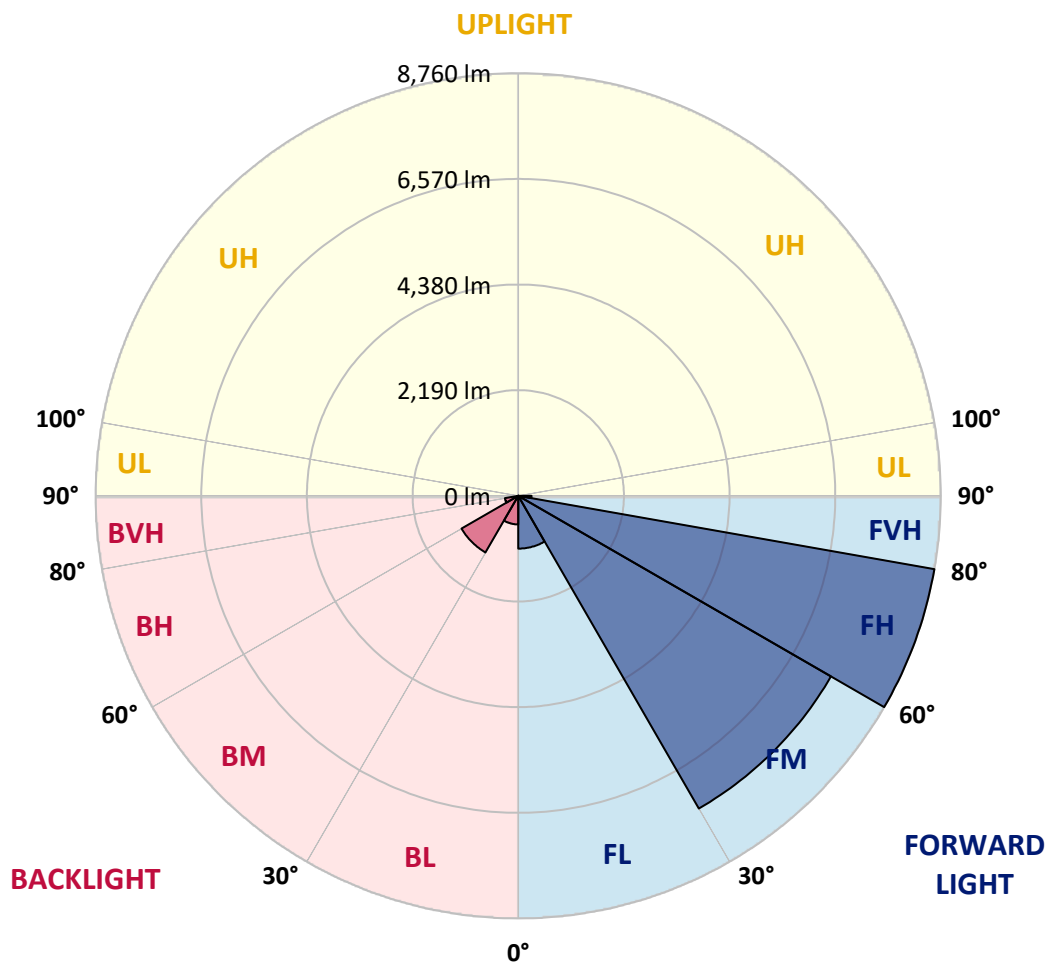


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1094.2	5.5			
FM	(30°-60°)	7485.1	37.7			
FH	(60°-80°)	8759.6	44.1			G4/12000
FVH	(80°-90°)	276.2	1.4			G3/500
BL	(0°-30°)	593.6	3.0	B2/1000		
BM	(30°-60°)	1356.2	6.8	B2/2500		
BH	(60°-80°)	280.3	1.4	B1/500		G1/500
BVH	(80°-90°)	3.8	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°	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8
2.5°	2748.8	2772.1	2776.4	2783.7	2783.7	2792.4	2807.0	2827.3	2860.8	2878.2
5°	2533.5	2551.0	2572.8	2590.3	2623.7	2628.1	2684.8	2740.1	2817.2	2875.3
7.5°	2316.8	2337.2	2366.3	2408.5	2452.1	2465.2	2551.0	2644.1	2766.3	2875.3
10°	2164.1	2165.6	2191.8	2233.9	2303.8	2319.8	2424.5	2556.8	2709.5	2857.9
12.5°	2078.3	2088.5	2100.1	2132.1	2199.0	2209.2	2321.2	2476.8	2652.8	2847.7
15°	2078.3	2085.6	2092.9	2108.9	2162.7	2171.4	2270.3	2425.9	2623.7	2852.1
17.5°	2100.1	2111.8	2106.0	2124.9	2181.6	2187.4	2274.7	2411.4	2622.3	2879.7
20°	2152.5	2161.2	2149.6	2161.2	2217.9	2229.6	2319.8	2439.0	2647.0	2927.7
22.5°	2235.4	2239.8	2212.1	2220.9	2279.0	2293.6	2398.3	2517.6	2706.6	3004.8
25°	2340.1	2348.8	2306.7	2316.8	2372.1	2389.6	2510.3	2635.4	2801.2	3110.9
27.5°	2460.8	2465.2	2428.8	2427.4	2498.6	2523.4	2645.5	2780.8	2927.7	3244.7
30°	2599.0	2612.1	2577.2	2571.4	2661.5	2681.9	2802.6	2959.7	3113.9	3445.5
32.5°	2708.1	2718.3	2697.9	2712.4	2804.1	2820.1	2993.1	3212.7	3406.2	3730.5
35°	2865.2	2871.0	2824.4	2850.6	2955.3	2996.0	3253.5	3567.6	3774.1	4088.3
37.5°	3433.8	3433.8	3236.0	3106.6	3206.9	3243.3	3609.8	4014.1	4227.9	4568.2
40°	4220.6	4207.6	3918.1	3653.4	3640.3	3711.6	4117.4	4577.0	4814.0	5144.2
42.5°	5059.8	5039.5	4645.3	4383.5	4339.9	4364.6	4703.5	5270.7	5512.1	5846.7
45°	5804.5	5798.7	5438.0	5086.0	5007.5	5086.0	5435.1	6082.3	6255.3	6607.3
47.5°	6428.4	6428.4	6165.2	5935.4	5894.6	5941.2	6425.5	6982.5	6966.5	7417.4
50°	7146.9	7141.1	6890.9	6792.0	6834.2	6899.6	7565.7	7930.8	7702.5	8212.9
52.5°	7650.1	7685.0	7599.2	7583.2	7798.4	7911.9	8723.4	8858.7	8361.3	8967.8
55°	8048.6	8089.3	8188.2	8300.2	8714.7	8863.1	9844.8	9738.6	8912.5	9622.3
57.5°	8612.9	8554.7	8707.4	8928.5	9599.0	9777.9	10931.2	10569.1	9356.1	10153.1
60°	9297.9	9306.6	9332.8	9612.1	10481.8	10711.6	12001.6	11354.4	9641.2	10478.9
62.5°	10121.1	10134.2	10188.0	10617.1	11667.1	11883.8	13141.9	11997.3	9772.1	10387.3
65°	10064.4	10119.7	10720.3	12187.8	13469.1	13682.9	14472.6	12448.1	9574.3	9549.5
67.5°	9168.5	9258.7	10263.6	14064.0	16185.9	16424.4	16081.2	12536.9	8720.5	7426.1
70°	7993.3	8025.3	9233.9	15751.1	19331.8	19573.2	17521.0	11561.0	6617.5	4142.1
72.5°	6242.2	6249.5	7667.5	16142.3	21039.2	21052.3	16391.0	8582.4	3558.9	1591.1
75°	4459.2	4415.5	5135.5	13091.0	18510.0	18658.4	12288.2	4025.8	1359.9	751.9
77.5°	2391.0	2439.0	2905.9	7763.5	12787.0	13040.1	6704.7	1160.6	692.3	511.9
80°	738.8	779.6	1191.1	3554.5	7242.9	7395.6	2485.6	516.3	482.9	365.1
82.5°	232.7	241.4	555.6	1493.7	3006.2	3076.0	719.9	292.3	330.1	241.4
85°	66.9	68.4	247.2	557.0	743.2	757.7	202.2	113.4	189.1	149.8
87.5°	7.3	23.3	93.1	93.1	65.4	64.0	21.8	24.7	53.8	18.9
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°
2876.8	0°	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8
2889.9	2.5°	2882.6	2884.1	2865.2	2833.2	2798.2	2769.2	2732.8	2703.7	2683.4	2677.5
2916.1	5°	2903.0	2892.8	2839.0	2741.5	2625.2	2524.8	2412.8	2324.1	2265.9	2241.2
2943.7	7.5°	2933.5	2904.4	2786.6	2594.6	2372.1	2174.3	1973.6	1818.0	1719.1	1669.6
2969.9	10°	2959.7	2901.5	2699.3	2382.3	2042.0	1742.4	1471.8	1284.2	1179.5	1130.1
3000.4	12.5°	2984.4	2900.1	2585.9	2130.7	1669.6	1303.1	1051.5	958.4	929.4	919.2
3049.9	15°	3031.0	2904.4	2443.4	1842.7	1298.8	984.6	893.0	891.5	897.4	894.5
3125.5	17.5°	3094.9	2908.8	2281.9	1537.3	1002.1	868.3	863.9	877.0	885.7	881.4
3220.0	20°	3177.8	2926.2	2110.3	1234.8	861.0	839.2	849.4	861.0	868.3	861.0
3346.6	22.5°	3294.2	2956.8	1922.7	991.9	815.9	821.7	830.5	843.5	850.8	840.6
3508.0	25°	3436.7	3004.8	1738.0	862.5	794.1	801.4	814.5	829.0	837.7	827.5
3711.6	27.5°	3621.4	3081.9	1567.8	833.4	772.3	776.6	795.6	817.4	829.0	815.9
4001.0	30°	3889.0	3208.4	1420.9	846.5	759.2	749.0	775.2	805.7	818.8	807.2
4395.2	32.5°	4243.9	3387.3	1330.8	866.8	753.4	717.0	741.7	781.0	802.8	795.6
4910.0	35°	4709.3	3659.2	1295.9	890.1	749.0	683.6	701.0	743.2	781.0	788.3
5558.7	37.5°	5273.6	4037.4	1306.0	900.3	735.9	655.9	664.7	701.0	750.5	773.7
6288.8	40°	5915.0	4478.1	1364.2	890.1	721.4	632.7	634.1	661.7	705.4	740.3
7074.2	42.5°	6576.8	4992.9	1471.8	852.3	708.3	612.3	607.9	626.8	655.9	680.7
7858.1	45°	7206.5	5522.3	1578.0	799.9	692.3	591.9	581.8	589.0	594.8	605.0
8621.6	47.5°	7756.3	5894.6	1547.5	751.9	670.5	568.7	551.2	548.3	530.9	529.4
9303.7	50°	8135.9	5976.1	1374.4	703.9	638.5	542.5	514.9	497.4	466.9	452.3
9814.2	52.5°	8256.6	5654.7	1122.8	655.9	586.1	507.6	468.3	440.7	402.9	389.8
10108.0	55°	8096.6	5024.9	897.4	597.8	513.4	461.0	417.4	381.1	350.5	334.5
10140.0	57.5°	7705.4	4223.6	709.7	529.4	436.3	408.7	365.1	328.7	302.5	286.5
9785.1	60°	7056.7	3353.8	561.4	448.0	372.3	352.0	306.9	283.6	260.3	241.4
8868.9	62.5°	6072.1	2393.9	440.7	354.9	311.2	288.0	261.8	244.3	216.7	190.5
7221.1	65°	4738.4	1464.6	340.3	260.3	250.2	238.5	222.5	206.5	173.1	146.9
4710.8	67.5°	2988.8	693.7	242.9	196.3	197.8	192.0	184.7	171.6	146.9	123.6
2110.3	70°	1316.2	336.0	160.0	149.8	146.9	146.9	152.7	148.3	125.1	103.3
733.0	72.5°	448.0	180.3	119.3	113.4	106.2	104.7	128.0	123.6	100.4	80.0
365.1	75°	234.2	120.7	87.3	81.4	64.0	77.1	101.8	96.0	71.3	52.4
241.4	77.5°	152.7	85.8	59.6	52.4	36.4	50.9	75.6	66.9	42.2	26.2
158.5	80°	96.0	56.7	34.9	24.7	17.5	27.6	40.7	29.1	16.0	5.8
93.1	82.5°	50.9	29.1	13.1	8.7	7.3	8.7	10.2	7.3	2.9	0.0
48.0	85°	20.4	10.2	4.4	2.9	1.5	0.0	2.9	1.5	0.0	0.0
8.7	87.5°	7.3	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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