

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: P849127

Luminaire Tested: **GLAN-SB6A-735-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849127  
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-SB6A-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

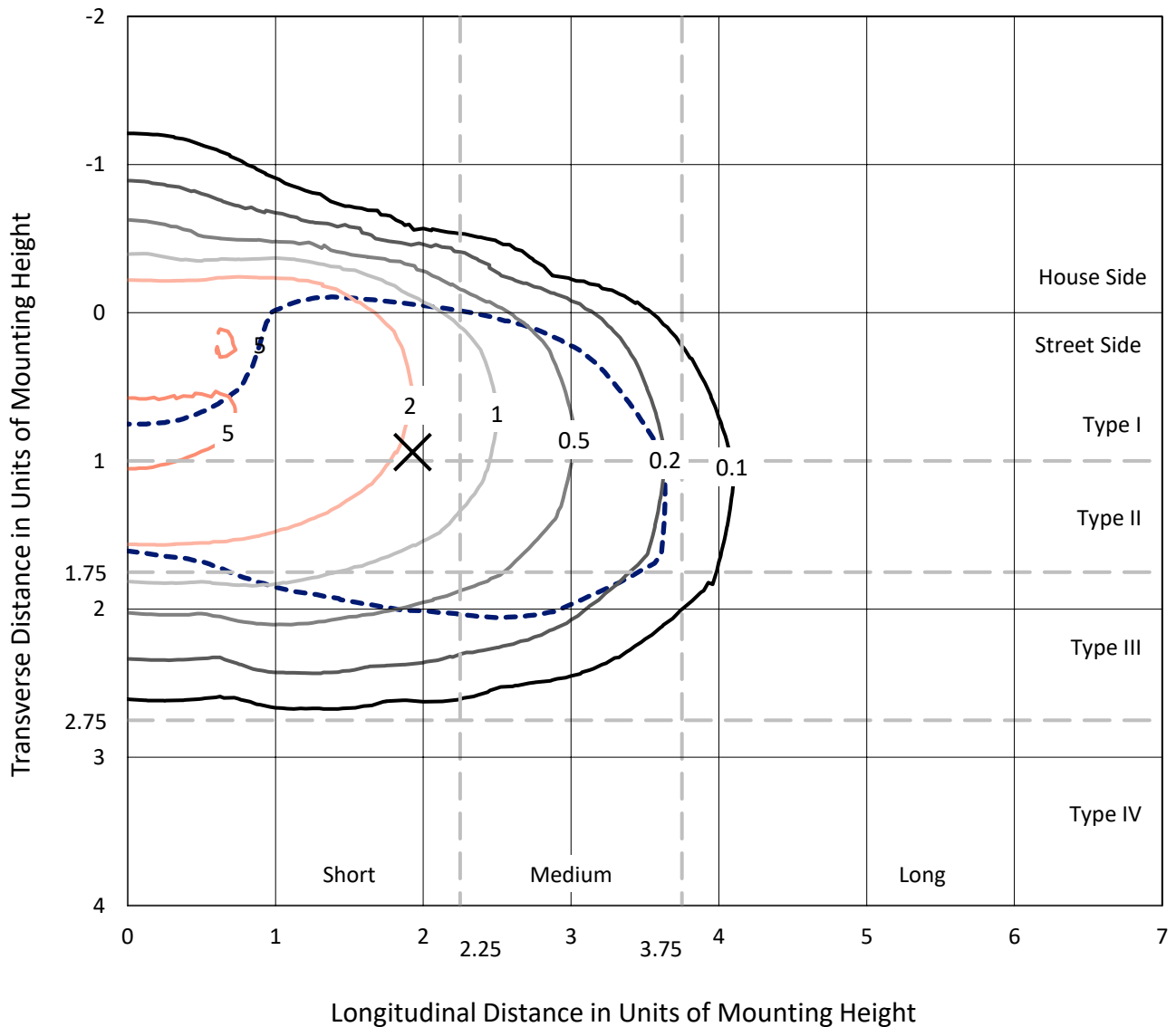
Lumens per Lamp: N/A  
Luminaire Lumens: 20935 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

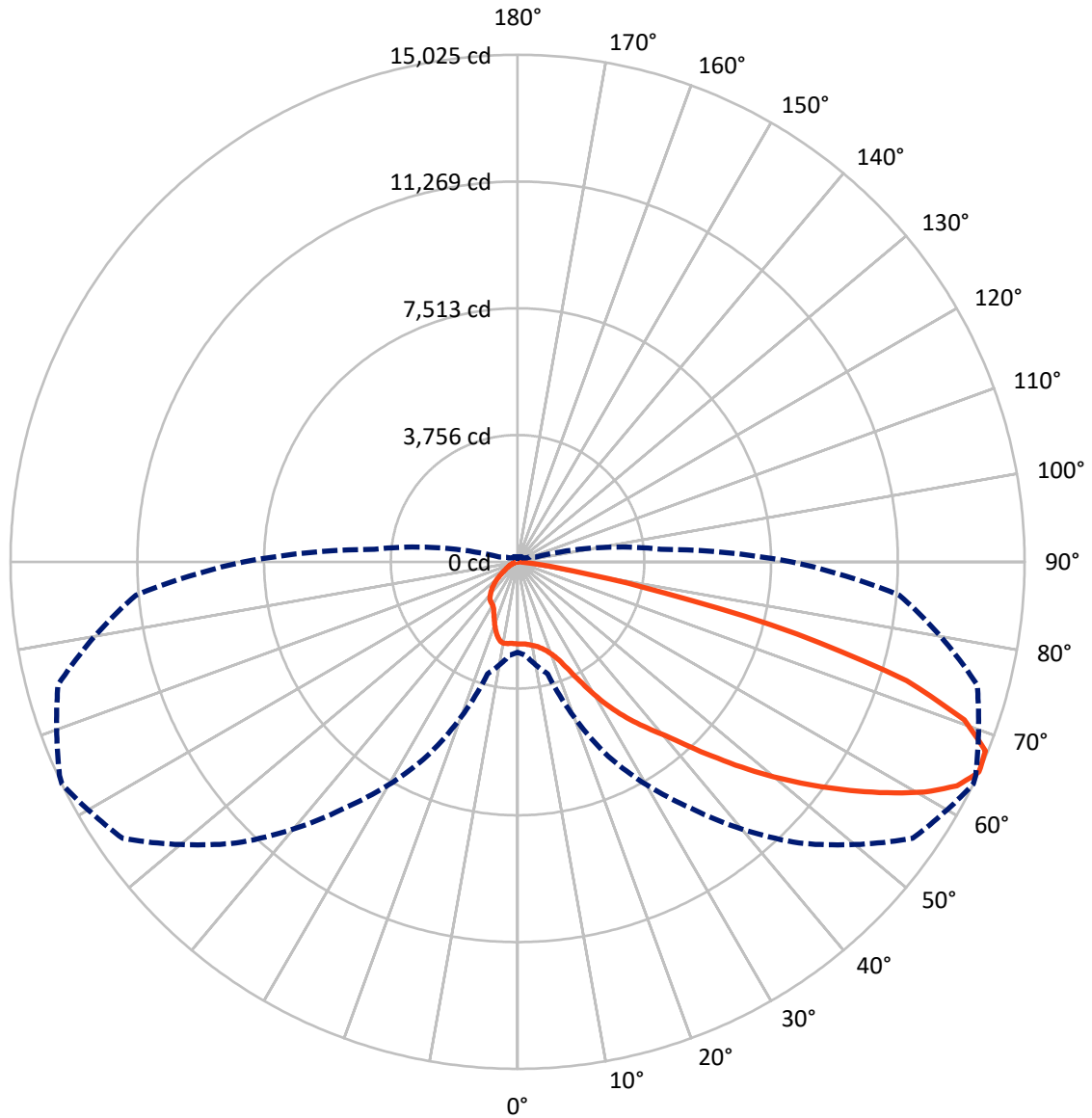
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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
<b>House Side</b>	Lumens	2799.6	0.0	2799.6
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	18135.4	0.0	18135.4
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	20935.0	0.0	20935.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.7	1.1
10°-20°	609.3	2.9
20°-30°	1154.6	5.5
30°-40°	2336.4	11.2
40°-50°	3980.0	19.0
50°-60°	5412.5	25.9
60°-70°	5082.6	24.3
70°-80°	2036.3	9.7
80°-90°	98.6	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°	20935.0	100.0
0°-180°	20935.0	100.0

**Coefficient of Utilization**



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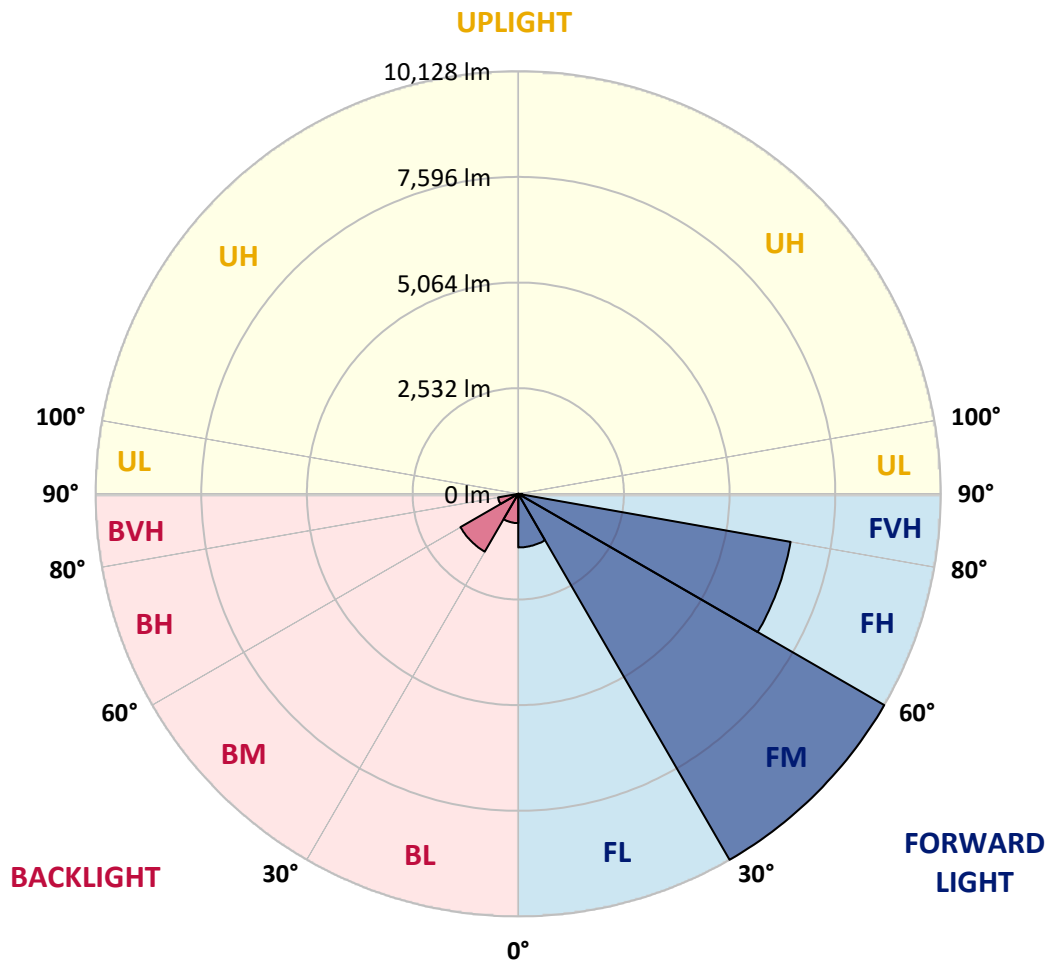
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1285.6	6.1			
FM (30°-60°)	10128.3	48.4			
FH (60°-80°)	6627.5	31.7			G3/7500
FVH (80°-90°)	93.8	0.4			G1/100
BL (0°-30°)	702.9	3.4	B2/1000		
BM (30°-60°)	1600.5	7.6	B2/2500		
BH (60°-80°)	491.4	2.3	B1/500		G1/500
BVH (80°-90°)	4.8	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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0
2.5°	2426.5	2443.4	2439.2	2435.0	2433.6	2436.4	2437.8	2436.4	2436.4	2436.4
5°	2380.2	2394.3	2394.3	2404.1	2418.1	2435.0	2447.6	2450.4	2453.2	2457.4
7.5°	2291.8	2303.0	2311.5	2343.7	2378.8	2423.7	2461.6	2481.3	2484.1	2499.5
10°	2231.5	2245.5	2259.5	2293.2	2343.7	2411.1	2475.7	2523.4	2530.4	2566.9
12.5°	2228.7	2242.7	2260.9	2297.4	2356.4	2427.9	2506.5	2575.3	2587.9	2641.3
15°	2258.1	2275.0	2291.8	2336.7	2399.9	2486.9	2571.1	2656.7	2669.3	2745.1
17.5°	2318.5	2340.9	2353.6	2398.5	2465.8	2562.7	2673.5	2771.8	2783.0	2871.4
20°	2437.8	2464.4	2468.6	2505.1	2571.1	2674.9	2806.9	2929.0	2943.0	3044.0
22.5°	2684.8	2722.7	2689.0	2707.2	2766.2	2870.0	3013.2	3167.6	3187.2	3302.3
25°	3119.8	3173.2	3086.2	3055.3	3080.5	3188.6	3368.2	3563.3	3585.8	3678.4
27.5°	3974.5	3905.8	3773.8	3644.7	3568.9	3630.7	3832.8	4074.2	4102.2	4192.1
30°	4913.4	4853.1	4674.8	4388.5	4208.9	4199.1	4385.7	4655.2	4687.5	4773.1
32.5°	5853.7	5796.2	5602.5	5250.2	4938.7	4784.3	4913.4	5212.4	5229.2	5283.9
35°	6778.6	6719.6	6526.0	6165.3	5782.1	5431.3	5406.0	5742.9	5748.5	5806.0
37.5°	7709.1	7659.9	7453.6	7100.0	6722.4	6238.3	6003.9	6245.3	6252.3	6308.4
40°	8372.9	8393.9	8252.2	7978.5	7654.3	7125.2	6674.7	6780.0	6737.9	6831.9
42.5°	8942.7	8984.8	8861.3	8723.7	8535.7	8069.7	7505.6	7487.3	7420.0	7470.5
45°	9435.3	9470.4	9359.5	9327.2	9323.0	8996.0	8413.6	8304.1	8210.1	8200.3
47.5°	9616.3	9683.7	9731.4	9839.5	10050.0	9912.5	9352.5	9182.7	9077.4	9000.2
50°	9685.1	9756.7	9919.5	10233.8	10732.1	10791.0	10287.2	10096.3	9967.2	9826.8
52.5°	9592.5	9720.2	9939.1	10468.2	11191.0	11495.5	11184.0	11017.0	10869.6	10640.8
55°	9046.5	9174.2	9621.9	10465.4	11419.7	11989.5	12031.6	11957.3	11791.7	11431.0
57.5°	7895.7	8085.2	8793.9	10108.9	11415.5	12414.8	12862.5	12915.8	12730.5	12214.1
60°	6301.4	6558.2	7422.8	9318.8	11063.3	12644.9	13590.9	13857.5	13661.0	12986.0
62.5°	4397.0	4694.5	5512.7	8081.0	10257.7	12479.3	14122.8	14615.4	14466.6	13676.5
65°	2682.0	2777.4	3437.0	6359.0	8887.9	11786.0	14287.0	15025.2	14976.0	14098.9
67.5°	1786.6	1866.6	2056.0	4360.5	6899.3	10400.8	13894.0	14953.6	14967.6	14030.1
70°	1076.4	1145.2	1268.7	2536.0	4471.3	8232.5	12677.2	14041.4	14122.8	13110.9
72.5°	443.5	489.8	602.1	1149.4	2315.7	5225.0	10094.9	12055.5	12245.0	11024.0
75°	251.2	275.1	353.7	576.8	1004.9	2435.0	6114.8	8558.1	8837.4	7598.2
77.5°	167.0	178.2	228.8	373.3	565.6	830.8	2613.2	4458.7	4992.0	4150.0
80°	112.3	122.1	157.2	249.8	367.7	356.5	832.2	1651.8	2032.2	1425.9
82.5°	75.8	77.2	112.3	164.2	233.0	172.6	245.6	513.7	645.6	412.6
85°	43.5	42.1	82.8	95.4	103.9	71.6	74.4	154.4	202.1	174.0
87.5°	5.6	8.4	32.3	25.3	14.0	15.4	15.4	26.7	39.3	42.1
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°
2435.0	0°	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0
2437.8	2.5°	2437.8	2436.4	2432.2	2427.9	2418.1	2412.5	2415.3	2412.5	2411.1	2412.5
2456.0	5°	2456.0	2451.8	2440.6	2426.5	2406.9	2383.0	2367.6	2345.1	2324.1	2311.5
2505.1	7.5°	2505.1	2500.9	2485.5	2446.2	2383.0	2283.4	2192.2	2112.2	2051.8	2016.7
2583.7	10°	2583.7	2576.7	2552.8	2465.8	2300.2	2082.7	1901.7	1751.5	1653.2	1606.9
2676.3	12.5°	2676.3	2667.9	2625.8	2447.6	2143.0	1803.4	1553.6	1386.6	1295.4	1254.7
2783.0	15°	2785.8	2774.6	2691.8	2360.6	1914.3	1494.7	1265.9	1141.0	1082.0	1045.6
2919.1	17.5°	2921.9	2902.3	2740.9	2230.1	1665.9	1258.9	1089.1	995.0	943.1	908.0
3097.4	20°	3098.8	3066.5	2780.2	2074.3	1437.1	1110.1	969.8	891.2	851.9	821.0
3350.0	22.5°	3345.8	3299.5	2827.9	1905.9	1275.7	1007.7	881.4	823.8	791.5	756.5
3702.3	25°	3651.7	3597.0	2886.9	1750.1	1164.9	919.2	816.8	769.1	731.2	690.5
4164.0	27.5°	4079.8	3981.5	2957.0	1622.4	1069.4	843.5	757.9	704.5	661.0	627.3
4687.5	30°	4557.0	4395.6	3018.8	1545.2	982.4	773.3	680.7	627.3	586.6	562.8
5157.6	32.5°	5008.9	4789.9	3059.5	1511.5	903.8	693.3	596.5	538.9	508.0	501.0
5617.9	35°	5435.5	5146.4	3055.3	1479.2	833.6	613.3	513.7	454.7	430.9	435.1
6113.4	37.5°	5926.7	5526.7	3025.8	1428.7	776.1	540.3	442.1	390.2	369.1	370.5
6715.4	40°	6497.9	5966.0	3007.6	1333.3	712.9	473.0	383.1	341.0	325.6	320.0
7349.8	42.5°	7107.0	6391.2	3010.4	1225.2	634.4	412.6	342.4	307.4	293.3	289.1
8055.7	45°	7718.9	6796.8	3014.6	1112.9	551.5	366.3	313.0	283.5	275.1	269.5
8771.5	47.5°	8294.3	7142.1	2936.0	992.2	470.2	331.2	289.1	269.5	262.4	255.4
9490.0	50°	8830.4	7372.2	2746.5	851.9	405.6	303.1	270.9	256.8	249.8	242.8
10141.2	52.5°	9247.2	7408.7	2433.6	707.3	360.7	282.1	259.6	247.0	238.6	231.6
10667.5	55°	9432.5	7180.0	1988.7	572.6	325.6	263.8	248.4	235.8	226.0	218.9
11081.5	57.5°	9384.8	6698.6	1550.8	460.3	291.9	245.6	234.4	226.0	214.7	203.5
11416.9	60°	9150.4	6054.4	1169.1	383.1	261.0	226.0	218.9	211.9	196.5	179.6
11546.1	62.5°	8744.8	5244.6	833.6	317.2	227.4	203.5	200.7	195.1	172.6	141.7
11355.2	65°	8124.5	4260.8	561.4	263.8	195.1	178.2	179.6	169.8	140.3	105.3
10656.3	67.5°	7217.9	3115.6	359.3	216.1	162.8	148.8	150.2	144.6	119.3	89.8
9331.4	70°	6062.8	2063.0	234.4	164.2	130.5	115.1	123.5	124.9	101.0	73.0
7161.7	72.5°	4444.7	1218.2	164.2	122.1	95.4	80.0	101.0	103.9	81.4	54.7
4308.5	75°	2533.2	578.2	123.5	88.4	58.9	56.1	78.6	78.6	56.1	36.5
1865.2	77.5°	1063.8	241.4	87.0	57.5	33.7	32.3	53.3	49.1	28.1	16.8
454.7	80°	307.4	108.1	46.3	28.1	14.0	12.6	21.1	15.4	7.0	2.8
172.6	82.5°	120.7	47.7	18.2	11.2	5.6	5.6	2.8	0.0	0.0	0.0
98.2	85°	71.6	19.6	8.4	4.2	1.4	0.0	0.0	0.0	0.0	0.0
21.1	87.5°	18.2	4.2	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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2435.0
2418.1
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1047.0
905.2
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620.3
558.6
505.2
435.1
376.1
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