

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: P852776

Luminaire Tested: **GLAN-SB6B-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852776  
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-SB6B-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 450mA 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: 20614 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

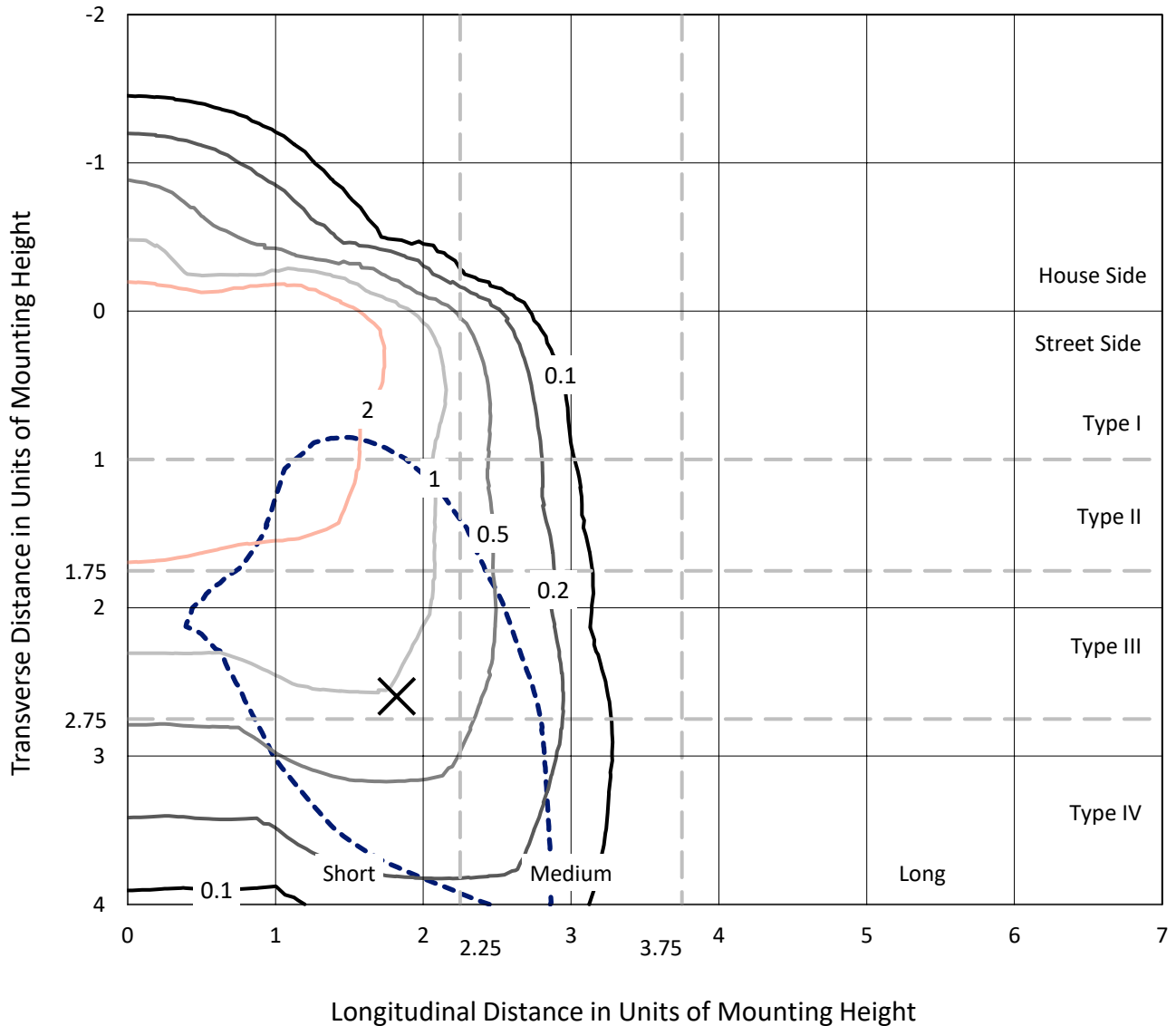
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

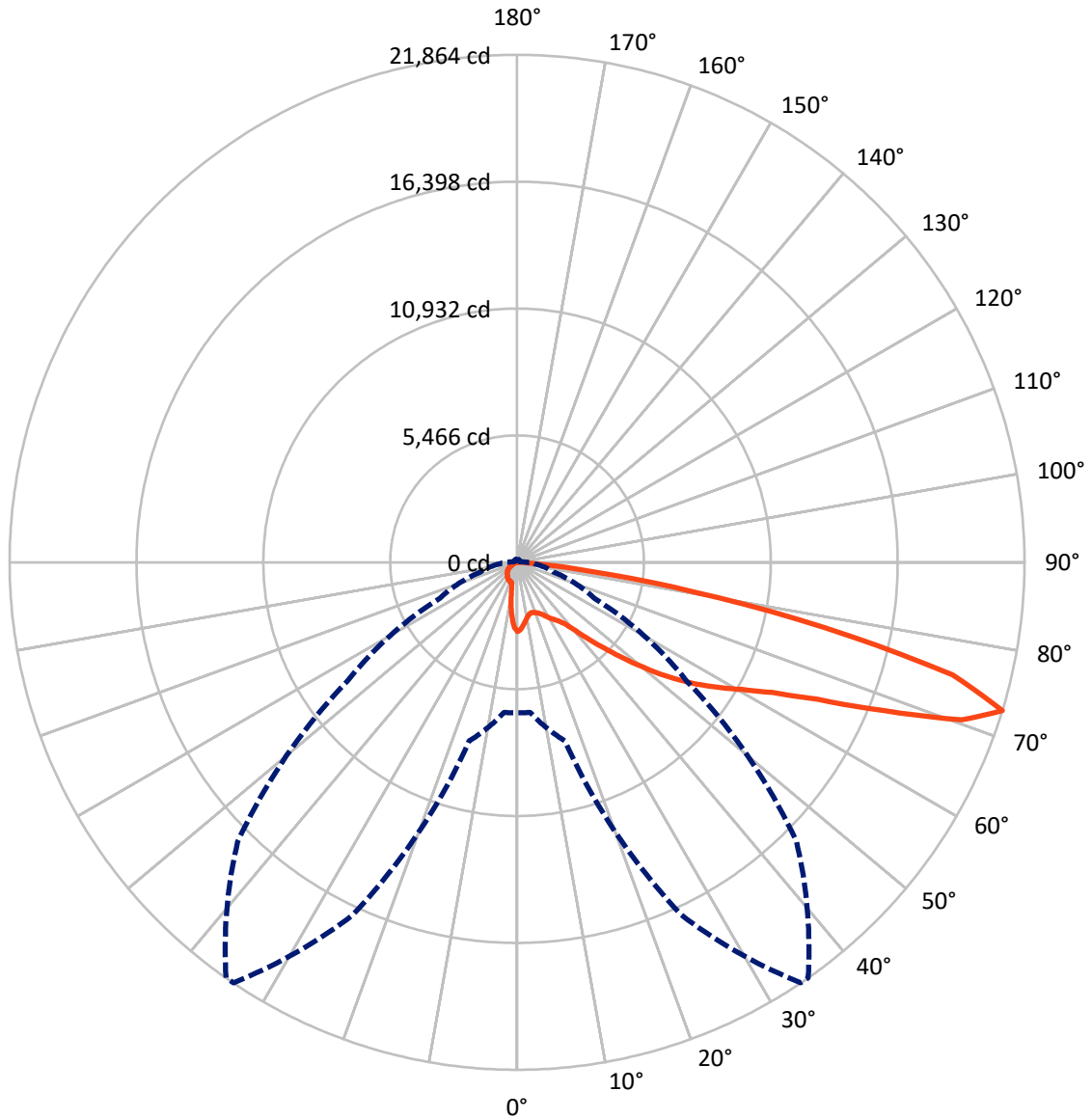
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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
<b>House Side</b>	Lumens	2320.0	0.0	2320.0
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	18294.0	0.0	18294.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	20614.0	0.0	20614.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.5	1.2
10°-20°	574.3	2.8
20°-30°	933.0	4.5
30°-40°	1556.7	7.6
40°-50°	2945.3	14.3
50°-60°	4680.0	22.7
60°-70°	5789.5	28.1
70°-80°	3598.8	17.5
80°-90°	290.8	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°	20614.0	100.0
0°-180°	20614.0	100.0

**Coefficient of Utilization**



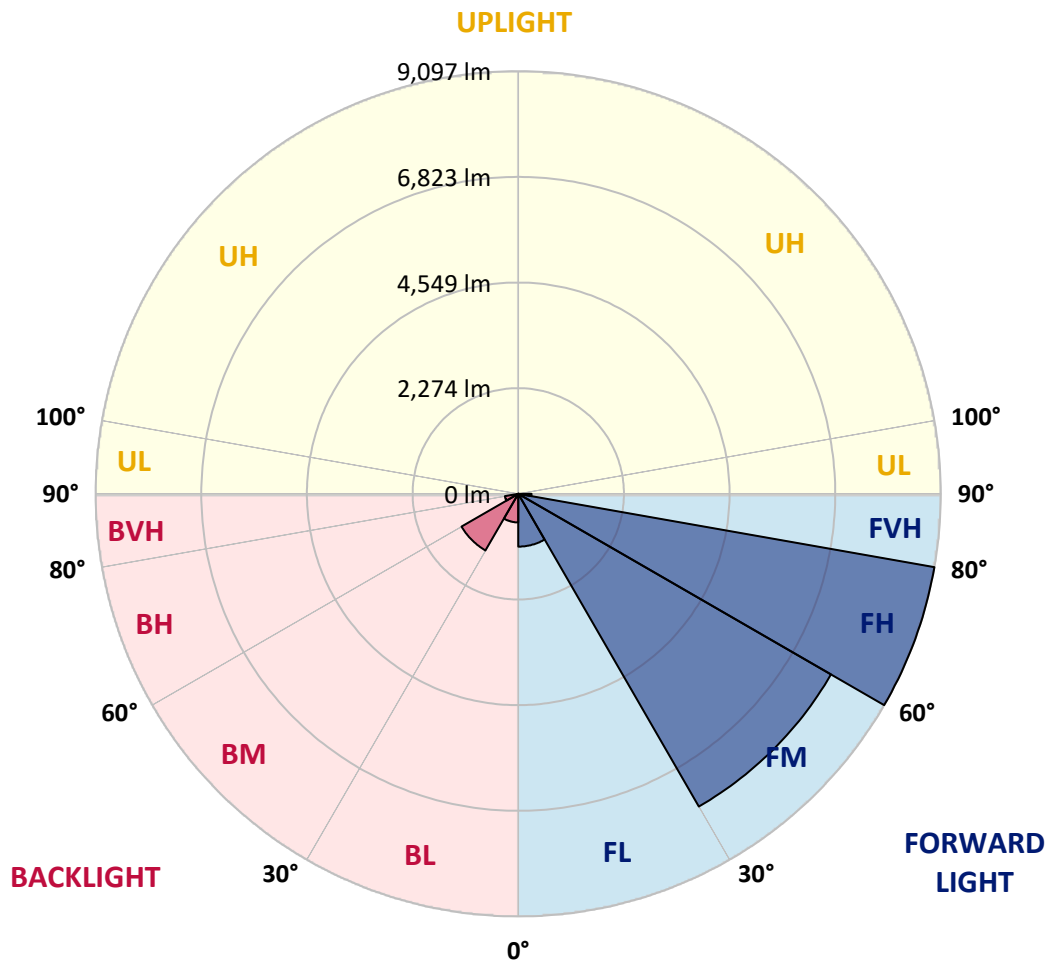
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1136.4	5.5			
FM (30°-60°)	7773.5	37.7			
FH (60°-80°)	9097.2	44.1			G4/12000
FVH (80°-90°)	286.9	1.4			G3/500
BL (0°-30°)	616.5	3.0	B2/1000		
BM (30°-60°)	1408.5	6.8	B2/2500		
BH (60°-80°)	291.1	1.4	B1/500		G1/500
BVH (80°-90°)	4.0	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°	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7
2.5°	2854.7	2878.9	2883.4	2891.0	2891.0	2900.1	2915.2	2936.3	2971.0	2989.2
5°	2631.2	2649.3	2672.0	2690.1	2724.8	2729.4	2788.3	2845.7	2925.7	2986.1
7.5°	2406.1	2427.3	2457.5	2501.3	2546.6	2560.2	2649.3	2746.0	2872.9	2986.1
10°	2247.5	2249.1	2276.2	2320.0	2392.5	2409.2	2517.9	2655.4	2814.0	2968.0
12.5°	2158.4	2169.0	2181.1	2214.3	2283.8	2294.4	2410.7	2572.3	2755.1	2957.5
15°	2158.4	2166.0	2173.5	2190.1	2246.0	2255.1	2357.8	2519.4	2724.8	2962.0
17.5°	2181.1	2193.2	2187.1	2206.8	2265.7	2271.7	2362.3	2504.3	2723.3	2990.7
20°	2235.5	2244.5	2232.4	2244.5	2303.4	2315.5	2409.2	2533.0	2749.0	3040.5
22.5°	2321.6	2326.1	2297.4	2306.4	2366.9	2382.0	2490.7	2614.6	2810.9	3120.6
25°	2430.3	2439.4	2395.6	2406.1	2463.5	2481.7	2607.0	2736.9	2909.1	3230.8
27.5°	2555.7	2560.2	2522.4	2520.9	2594.9	2620.6	2747.5	2888.0	3040.5	3369.8
30°	2699.2	2712.8	2676.5	2670.5	2764.1	2785.3	2910.6	3073.8	3233.9	3578.2
32.5°	2812.4	2823.0	2801.9	2817.0	2912.1	2928.8	3108.5	3336.6	3537.5	3874.3
35°	2975.6	2981.6	2933.3	2960.5	3069.2	3111.5	3378.9	3705.1	3919.6	4245.9
37.5°	3566.2	3566.2	3360.7	3226.3	3330.5	3368.3	3748.9	4168.8	4390.9	4744.3
40°	4383.3	4369.7	4069.1	3794.2	3780.6	3854.7	4276.1	4753.4	4999.6	5342.4
42.5°	5254.8	5233.7	4824.4	4552.5	4507.2	4532.8	4884.8	5473.9	5724.6	6072.0
45°	6028.2	6022.1	5647.6	5282.0	5200.5	5282.0	5644.5	6316.7	6496.4	6862.0
47.5°	6676.2	6676.2	6402.8	6164.1	6121.8	6170.2	6673.1	7251.6	7235.0	7703.3
50°	7422.3	7416.3	7156.5	7053.8	7097.6	7165.5	7857.3	8236.5	7999.3	8529.5
52.5°	7944.9	7981.2	7892.1	7875.5	8099.0	8216.8	9059.6	9200.1	8683.5	9313.4
55°	8358.8	8401.1	8503.8	8620.1	9050.6	9204.7	10224.2	10113.9	9256.0	9993.1
57.5°	8944.9	8884.4	9043.0	9272.6	9968.9	10154.7	11352.5	10976.4	9716.7	10544.4
60°	9656.3	9665.3	9692.5	9982.5	10885.8	11124.4	12464.2	11792.0	10012.7	10882.8
62.5°	10511.2	10524.8	10580.7	11026.2	12116.8	12341.8	13648.4	12459.7	10148.7	10787.6
65°	10452.3	10509.7	11133.5	12657.5	13988.2	14210.3	15030.4	12927.9	9943.3	9917.6
67.5°	9521.8	9615.5	10659.2	14606.0	16809.7	17057.5	16701.0	13020.0	9056.6	7712.3
70°	8301.4	8334.6	9589.8	16358.1	20076.8	20327.6	18196.3	12006.5	6872.5	4301.7
72.5°	6482.8	6490.4	7963.1	16764.4	21850.1	21863.7	17022.7	8913.1	3696.1	1652.4
75°	4631.0	4585.7	5333.4	13595.5	19223.4	19377.5	12761.7	4180.9	1412.3	780.9
77.5°	2483.2	2533.0	3017.9	8062.8	13279.8	13542.6	6963.2	1205.3	719.0	531.7
80°	767.3	809.6	1237.1	3691.5	7522.0	7680.6	2581.4	536.2	501.5	379.1
82.5°	241.7	250.7	577.0	1551.2	3122.1	3194.6	747.7	303.6	342.9	250.7
85°	69.5	71.0	256.8	578.5	771.8	786.9	210.0	117.8	196.4	155.6
87.5°	7.6	24.2	96.7	96.7	68.0	66.5	22.7	25.7	55.9	19.6
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°
2987.7	0°	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7	2987.7
3001.3	2.5°	2993.7	2995.2	2975.6	2942.3	2906.1	2875.9	2838.1	2807.9	2786.8	2780.7
3028.4	5°	3014.8	3004.3	2948.4	2847.2	2726.4	2622.1	2505.8	2413.7	2353.3	2327.6
3057.1	7.5°	3046.6	3016.4	2894.0	2694.6	2463.5	2258.1	2049.7	1888.1	1785.3	1734.0
3084.3	10°	3073.8	3013.3	2803.4	2474.1	2120.7	1809.5	1528.6	1333.7	1225.0	1173.6
3116.0	12.5°	3099.4	3011.8	2685.6	2212.8	1734.0	1353.4	1092.1	995.4	965.2	954.6
3167.4	15°	3147.8	3016.4	2537.5	1913.7	1348.8	1022.6	927.4	925.9	931.9	928.9
3245.9	17.5°	3214.2	3020.9	2369.9	1596.5	1040.7	901.7	897.2	910.8	919.9	915.3
3344.1	20°	3300.3	3039.0	2191.7	1282.4	894.2	871.5	882.1	894.2	901.7	894.2
3475.5	22.5°	3421.2	3070.7	1996.8	1030.1	847.4	853.4	862.5	876.1	883.6	873.0
3643.2	25°	3569.2	3120.6	1805.0	895.7	824.7	832.3	845.8	861.0	870.0	859.4
3854.7	27.5°	3761.0	3200.6	1628.3	865.5	802.0	806.6	826.2	848.9	861.0	847.4
4155.2	30°	4038.9	3332.0	1475.7	879.1	788.5	777.9	805.1	836.8	850.4	838.3
4564.6	32.5°	4407.5	3517.8	1382.1	900.2	782.4	744.6	770.3	811.1	833.8	826.2
5099.3	35°	4890.8	3800.3	1345.8	924.4	777.9	709.9	728.0	771.8	811.1	818.7
5772.9	37.5°	5476.9	4193.0	1356.4	935.0	764.3	681.2	690.3	728.0	779.4	803.6
6531.2	40°	6143.0	4650.7	1416.8	924.4	749.2	657.0	658.6	687.3	732.6	768.8
7346.8	42.5°	6830.2	5185.4	1528.6	885.1	735.6	635.9	631.4	651.0	681.2	706.9
8160.9	45°	7484.3	5735.2	1638.8	830.7	719.0	614.8	604.2	611.7	617.8	628.3
8953.9	47.5°	8055.2	6121.8	1607.1	780.9	696.3	590.6	572.5	569.4	551.3	549.8
9662.3	50°	8449.4	6206.4	1427.4	731.1	663.1	563.4	534.7	516.6	484.9	469.7
10192.5	52.5°	8574.8	5872.6	1166.1	681.2	608.7	527.1	486.4	457.7	418.4	404.8
10497.6	55°	8408.6	5218.6	931.9	620.8	533.2	478.8	433.5	395.7	364.0	347.4
10530.8	57.5°	8002.3	4386.3	737.1	549.8	453.1	424.4	379.1	341.4	314.2	297.6
10162.3	60°	7328.7	3483.1	583.0	465.2	386.7	365.5	318.7	294.5	270.4	250.7
9210.7	62.5°	6306.1	2486.2	457.7	368.5	323.2	299.1	271.9	253.8	225.1	197.9
7499.4	65°	4921.0	1521.0	353.4	270.4	259.8	247.7	231.1	214.5	179.7	152.6
4892.3	67.5°	3104.0	720.5	252.2	203.9	205.4	199.4	191.8	178.2	152.6	128.4
2191.7	70°	1367.0	348.9	166.1	155.6	152.6	152.6	158.6	154.1	129.9	107.2
761.3	72.5°	465.2	187.3	123.9	117.8	110.3	108.8	132.9	128.4	104.2	83.1
379.1	75°	243.2	125.4	90.6	84.6	66.5	80.1	105.7	99.7	74.0	54.4
250.7	77.5°	158.6	89.1	61.9	54.4	37.8	52.9	78.5	69.5	43.8	27.2
164.6	80°	99.7	58.9	36.3	25.7	18.1	28.7	42.3	30.2	16.6	6.0
96.7	82.5°	52.9	30.2	13.6	9.1	7.6	9.1	10.6	7.6	3.0	0.0
49.8	85°	21.1	10.6	4.5	3.0	1.5	0.0	3.0	1.5	0.0	0.0
9.1	87.5°	7.6	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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180°
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2987.7
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