

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: P852684

Luminaire Tested: **GLAN-SB5C-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852684
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-SB5C-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA 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: 18446 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

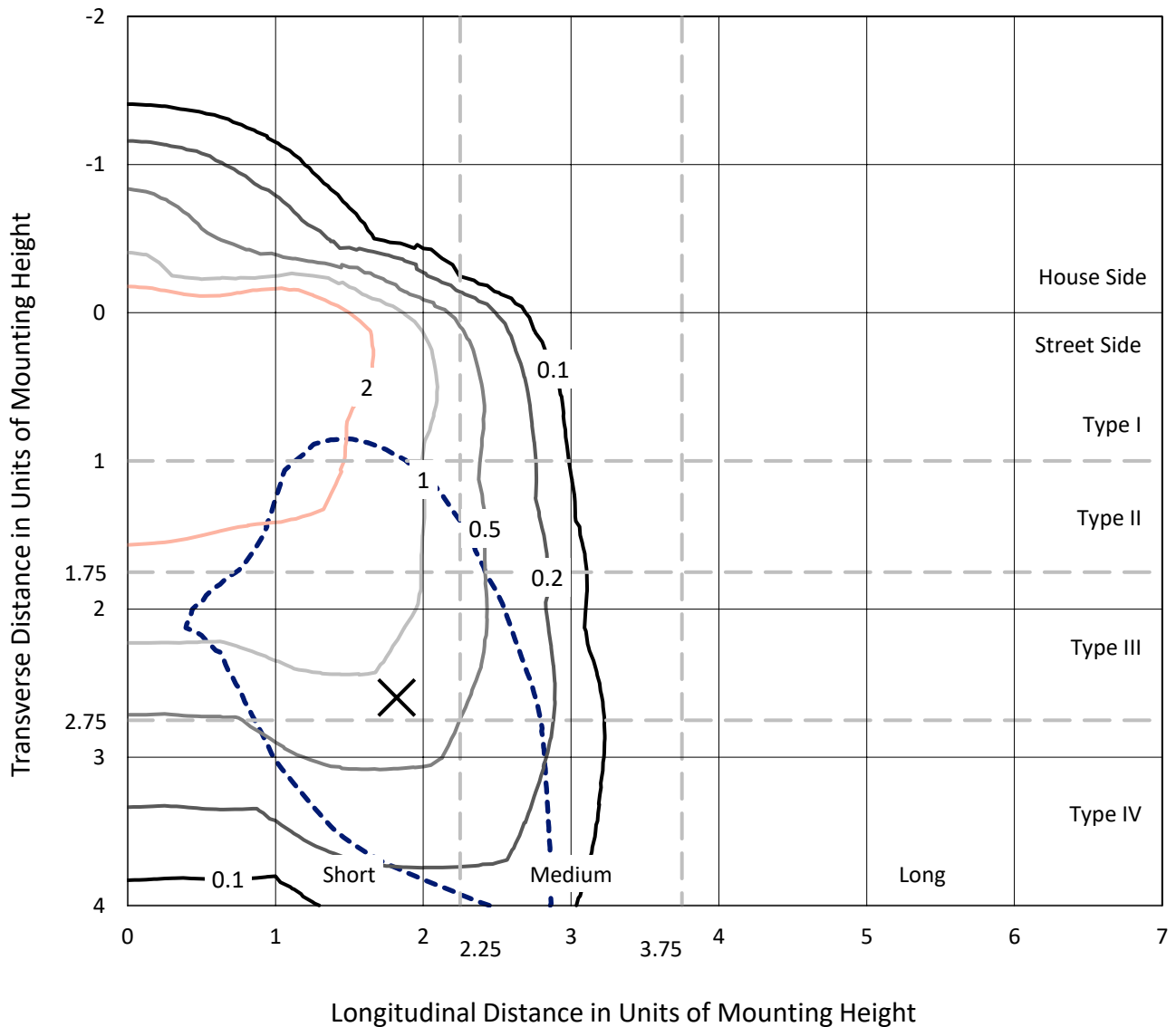
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852684
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Iso-Footcandle Lines of Horizontal Illumination

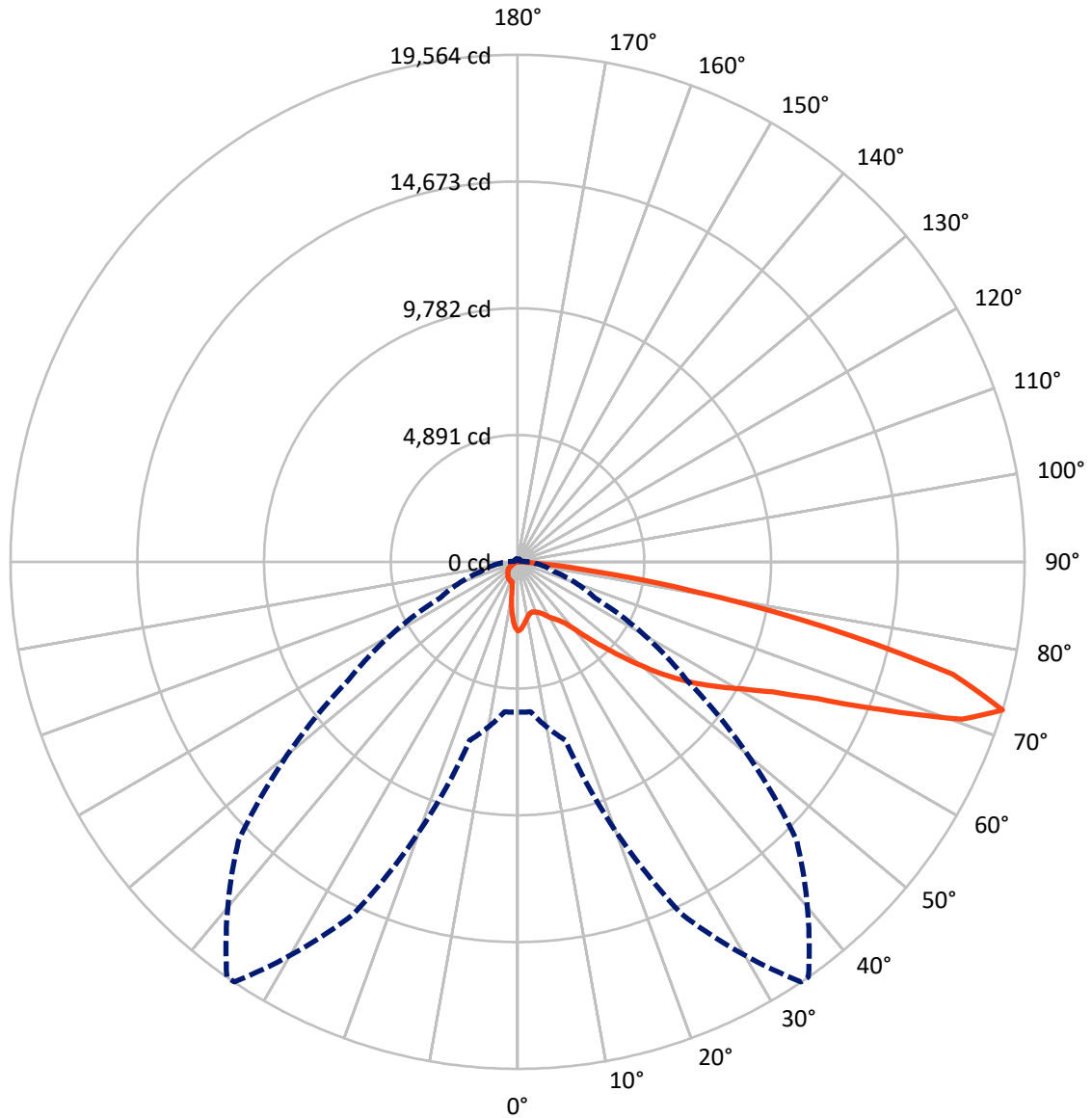
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P852684
CATALOG NUMBER: GLAN-SB5C-927-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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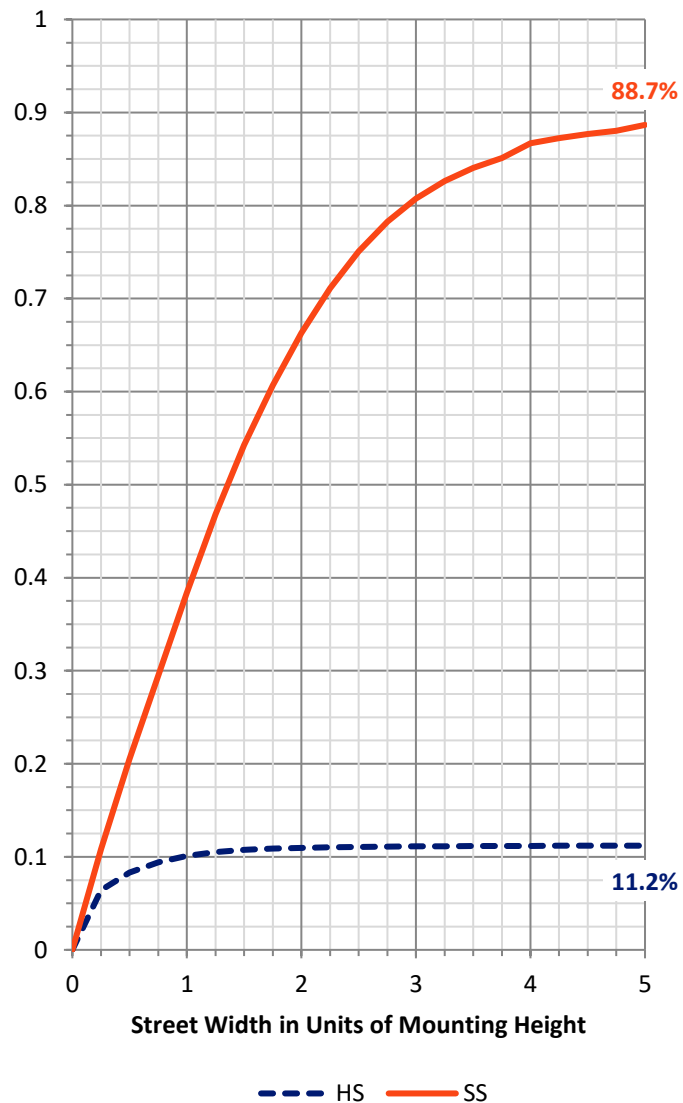
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2076.0	0.0	2076.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16370.0	0.0	16370.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	18446.0	0.0	18446.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.7	1.2
10°-20°	513.9	2.8
20°-30°	834.9	4.5
30°-40°	1393.0	7.6
40°-50°	2635.5	14.3
50°-60°	4187.8	22.7
60°-70°	5180.6	28.1
70°-80°	3220.3	17.5
80°-90°	260.3	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°	18446.0	100.0
0°-180°	18446.0	100.0

Coefficient of Utilization

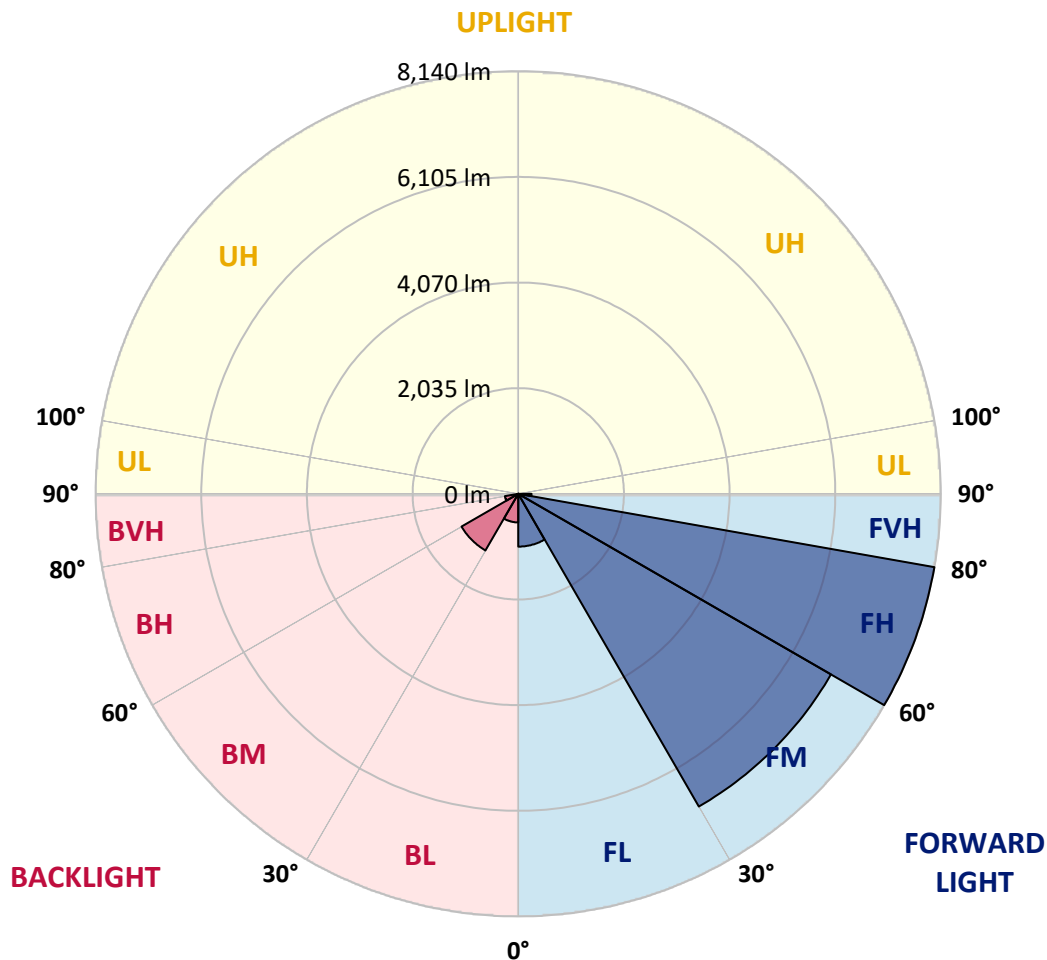


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1016.8	5.5			
FM (30°-60°)	6956.0	37.7			
FH (60°-80°)	8140.5	44.1			G4/12000
FVH (80°-90°)	256.7	1.4			G3/500
BL (0°-30°)	551.6	3.0	B2/1000		
BM (30°-60°)	1260.3	6.8	B2/2500		
BH (60°-80°)	260.5	1.4	B1/500		G1/500
BVH (80°-90°)	3.5	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°	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4
2.5°	2554.5	2576.1	2580.2	2586.9	2586.9	2595.1	2608.6	2627.5	2658.6	2674.8
5°	2354.5	2370.7	2391.0	2407.2	2438.3	2442.3	2495.0	2546.4	2618.0	2672.1
7.5°	2153.1	2172.0	2199.0	2238.2	2278.8	2290.9	2370.7	2457.2	2570.7	2672.1
10°	2011.2	2012.5	2036.8	2076.0	2140.9	2155.8	2253.1	2376.1	2518.0	2655.9
12.5°	1931.4	1940.9	1951.7	1981.4	2043.6	2053.1	2157.1	2301.8	2465.3	2646.4
15°	1931.4	1938.2	1944.9	1959.8	2009.8	2017.9	2109.8	2254.5	2438.3	2650.5
17.5°	1951.7	1962.5	1957.1	1974.7	2027.4	2032.8	2113.9	2240.9	2436.9	2676.1
20°	2000.4	2008.5	1997.6	2008.5	2061.2	2072.0	2155.8	2266.6	2459.9	2720.7
22.5°	2077.4	2081.4	2055.8	2063.9	2117.9	2131.5	2228.8	2339.6	2515.3	2792.4
25°	2174.7	2182.8	2143.6	2153.1	2204.4	2220.7	2332.8	2449.1	2603.2	2891.0
27.5°	2286.9	2290.9	2257.2	2255.8	2322.0	2345.0	2458.5	2584.2	2720.7	3015.4
30°	2415.3	2427.5	2395.0	2389.6	2473.4	2492.3	2604.5	2750.5	2893.8	3201.9
32.5°	2516.7	2526.1	2507.2	2520.7	2605.9	2620.7	2781.6	2985.7	3165.4	3466.8
35°	2662.6	2668.0	2624.8	2649.1	2746.4	2784.3	3023.5	3315.4	3507.4	3799.3
37.5°	3191.1	3191.1	3007.3	2887.0	2980.3	3014.0	3354.6	3730.4	3929.1	4245.3
40°	3922.3	3910.1	3641.2	3395.2	3383.0	3449.3	3826.3	4253.5	4473.8	4780.6
42.5°	4702.2	4683.3	4317.0	4073.7	4033.1	4056.1	4371.0	4898.2	5122.5	5433.4
45°	5394.2	5388.8	5053.6	4726.5	4653.5	4726.5	5050.9	5652.3	5813.2	6140.3
47.5°	5974.0	5974.0	5729.4	5515.8	5478.0	5521.2	5971.3	6489.0	6474.1	6893.1
50°	6641.7	6636.3	6403.8	6311.9	6351.1	6411.9	7031.0	7370.2	7158.0	7632.4
52.5°	7109.4	7141.8	7062.1	7047.2	7247.2	7352.6	8106.8	8232.5	7770.3	8333.9
55°	7479.7	7517.5	7609.4	7713.5	8098.7	8236.6	9148.9	9050.2	8282.5	8942.1
57.5°	8004.1	7950.0	8092.0	8297.4	8920.5	9086.7	10158.5	9822.0	8694.8	9435.4
60°	8640.7	8648.8	8673.1	8932.7	9740.9	9954.5	11153.3	10551.9	8959.7	9738.2
62.5°	9405.7	9417.9	9467.9	9866.6	10842.5	11043.8	12213.0	11149.3	9081.3	9653.1
65°	9353.0	9404.4	9962.6	11326.3	12517.1	12715.8	13449.7	11568.3	8897.5	8874.5
67.5°	8520.4	8604.2	9538.2	13069.9	15041.8	15263.5	14944.5	11650.7	8104.1	6901.2
70°	7428.3	7458.1	8581.2	14637.7	17965.3	18189.7	16282.6	10743.8	6149.7	3849.3
72.5°	5801.0	5807.8	7125.6	15001.3	19552.1	19564.3	15232.4	7975.7	3307.3	1478.6
75°	4144.0	4103.4	4772.5	12165.7	17201.7	17339.5	11419.6	3741.2	1263.7	698.8
77.5°	2222.0	2266.6	2700.5	7214.8	11883.2	12118.4	6230.8	1078.6	643.4	475.8
80°	686.6	724.5	1107.0	3303.3	6730.9	6872.8	2309.9	479.8	448.7	339.2
82.5°	216.3	224.4	516.3	1388.1	2793.7	2858.6	669.0	271.7	306.8	224.4
85°	62.2	63.5	229.8	517.7	690.7	704.2	187.9	105.4	175.7	139.2
87.5°	6.8	21.6	86.5	86.5	60.8	59.5	20.3	23.0	50.0	17.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852684
 CATALOG NUMBER: GLAN-SB5C-927-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2673.4	0°	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4
2685.6	2.5°	2678.9	2680.2	2662.6	2632.9	2600.5	2573.4	2539.6	2512.6	2493.7	2488.3
2709.9	5°	2697.8	2688.3	2638.3	2547.7	2439.6	2346.4	2242.3	2159.8	2105.8	2082.8
2735.6	7.5°	2726.2	2699.1	2589.6	2411.2	2204.4	2020.6	1834.1	1689.5	1597.6	1551.6
2759.9	10°	2750.5	2696.4	2508.5	2213.9	1897.6	1619.2	1367.8	1193.5	1096.1	1050.2
2788.3	12.5°	2773.5	2695.1	2403.1	1980.1	1551.6	1211.0	977.2	890.7	863.7	854.2
2834.3	15°	2816.7	2699.1	2270.7	1712.5	1207.0	915.0	829.9	828.5	833.9	831.2
2904.6	17.5°	2876.2	2703.2	2120.6	1428.6	931.2	806.9	802.8	815.0	823.1	819.1
2992.4	20°	2953.2	2719.4	1961.2	1147.5	800.1	779.9	789.3	800.1	806.9	800.1
3110.0	22.5°	3061.4	2747.8	1786.8	921.8	758.2	763.6	771.8	783.9	790.7	781.2
3260.0	25°	3193.8	2792.4	1615.1	801.5	738.0	744.7	756.9	770.4	778.5	769.1
3449.3	27.5°	3365.5	2864.0	1457.0	774.5	717.7	721.7	739.3	759.6	770.4	758.2
3718.2	30°	3614.2	2981.6	1320.5	786.6	705.5	696.1	720.4	748.8	760.9	750.1
4084.5	32.5°	3943.9	3147.9	1236.7	805.5	700.1	666.3	689.3	725.8	746.1	739.3
4563.0	35°	4376.4	3400.6	1204.3	827.2	696.1	635.2	651.5	690.7	725.8	732.6
5165.8	37.5°	4900.9	3752.0	1213.7	836.6	683.9	609.6	617.7	651.5	697.4	719.0
5844.3	40°	5496.9	4161.5	1267.8	827.2	670.4	587.9	589.3	615.0	655.5	688.0
6574.1	42.5°	6111.9	4640.0	1367.8	792.0	658.2	569.0	565.0	582.5	609.6	632.5
7302.6	45°	6697.1	5132.0	1466.5	743.4	643.4	550.1	540.6	547.4	552.8	562.3
8012.2	47.5°	7208.0	5478.0	1438.1	698.8	623.1	528.5	512.3	509.5	493.3	492.0
8646.1	50°	7560.8	5553.7	1277.3	654.2	593.3	504.1	478.5	462.2	433.9	420.3
9120.5	52.5°	7673.0	5255.0	1043.4	609.6	544.7	471.7	435.2	409.5	374.4	362.2
9393.5	55°	7524.3	4669.7	833.9	555.5	477.1	428.5	387.9	354.1	325.7	310.9
9423.3	57.5°	7160.7	3925.0	659.6	492.0	405.5	379.8	339.2	305.5	281.1	266.3
9093.5	60°	6557.9	3116.8	521.7	416.3	346.0	327.1	285.2	263.6	241.9	224.4
8242.0	62.5°	5642.9	2224.7	409.5	329.8	289.2	267.6	243.3	227.1	201.4	177.1
6710.6	65°	4403.5	1361.1	316.3	241.9	232.5	221.7	206.8	191.9	160.8	136.5
4377.8	67.5°	2777.5	644.7	225.7	182.5	183.8	178.4	171.7	159.5	136.5	114.9
1961.2	70°	1223.2	312.2	148.7	139.2	136.5	136.5	141.9	137.9	116.2	96.0
681.2	72.5°	416.3	167.6	110.8	105.4	98.7	97.3	118.9	114.9	93.3	74.3
339.2	75°	217.6	112.2	81.1	75.7	59.5	71.6	94.6	89.2	66.2	48.7
224.4	77.5°	141.9	79.7	55.4	48.7	33.8	47.3	70.3	62.2	39.2	24.3
147.3	80°	89.2	52.7	32.4	23.0	16.2	25.7	37.8	27.0	14.9	5.4
86.5	82.5°	47.3	27.0	12.2	8.1	6.8	8.1	9.5	6.8	2.7	0.0
44.6	85°	18.9	9.5	4.1	2.7	1.4	0.0	2.7	1.4	0.0	0.0
8.1	87.5°	6.8	1.4	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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2673.4
2497.7
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798.8
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758.2
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739.3
732.6
724.5
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567.7
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