

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: P847505

Luminaire Tested: **GLAN-SB3C-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14089 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

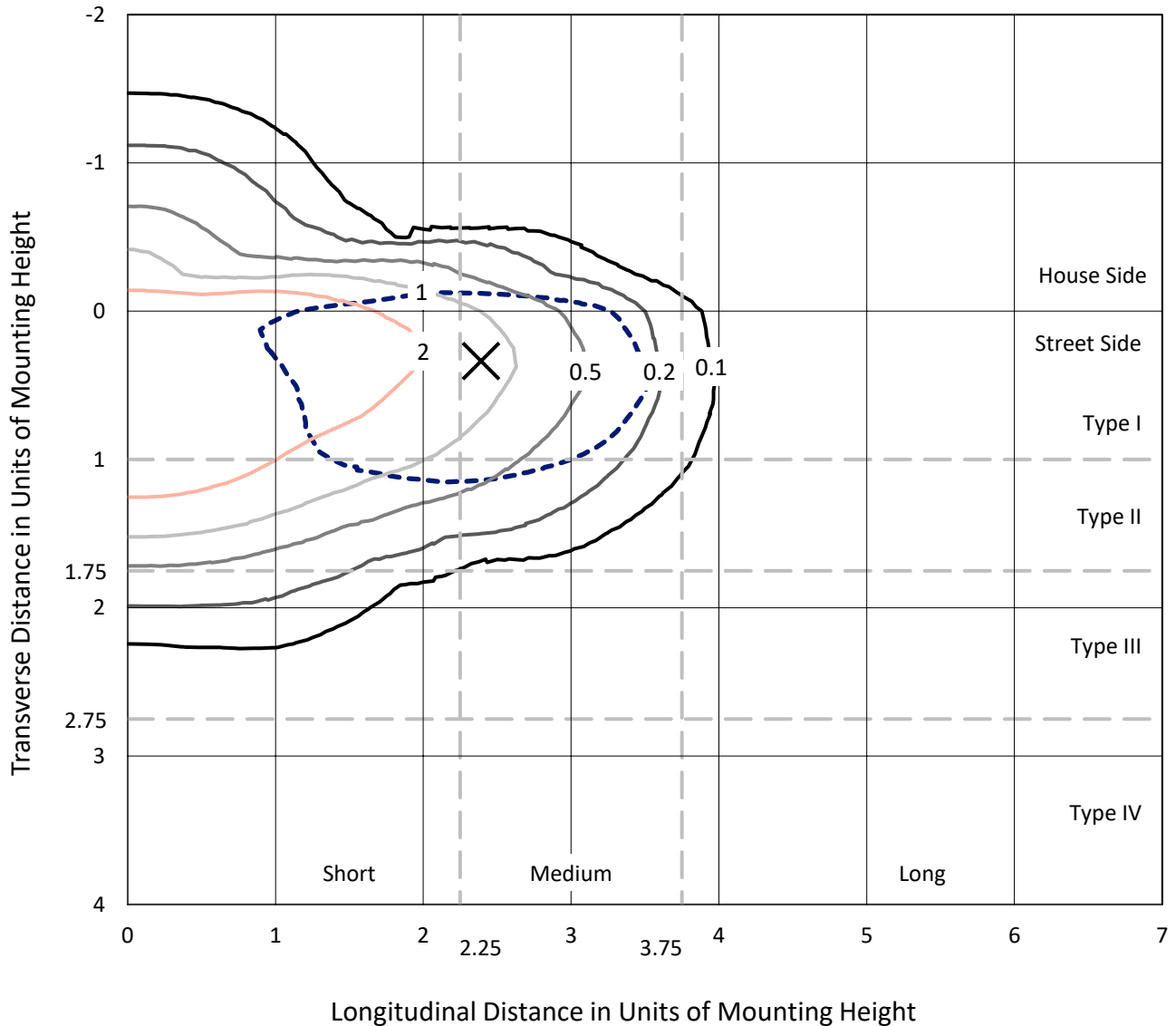
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

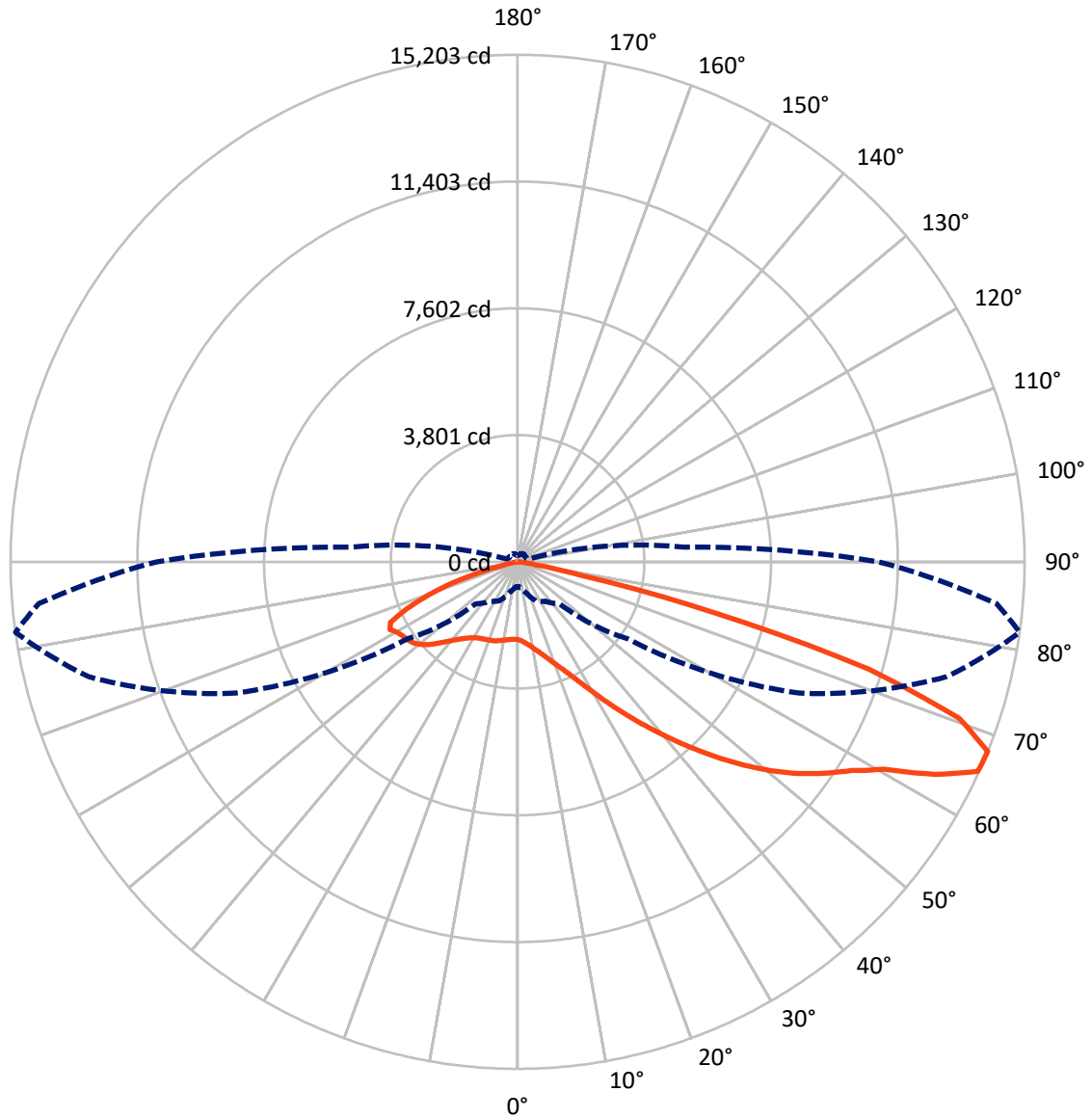
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2552.1	0.0	2552.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11536.9	0.0	11536.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	14089.0	0.0	14089.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.9	1.5
10°-20°	540.4	3.8
20°-30°	865.5	6.1
30°-40°	1530.5	10.9
40°-50°	2681.6	19.0
50°-60°	3576.4	25.4
60°-70°	3329.5	23.6
70°-80°	1277.9	9.1
80°-90°	79.4	0.6
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°	14089.0	100.0
0°-180°	14089.0	100.0

Coefficient of Utilization

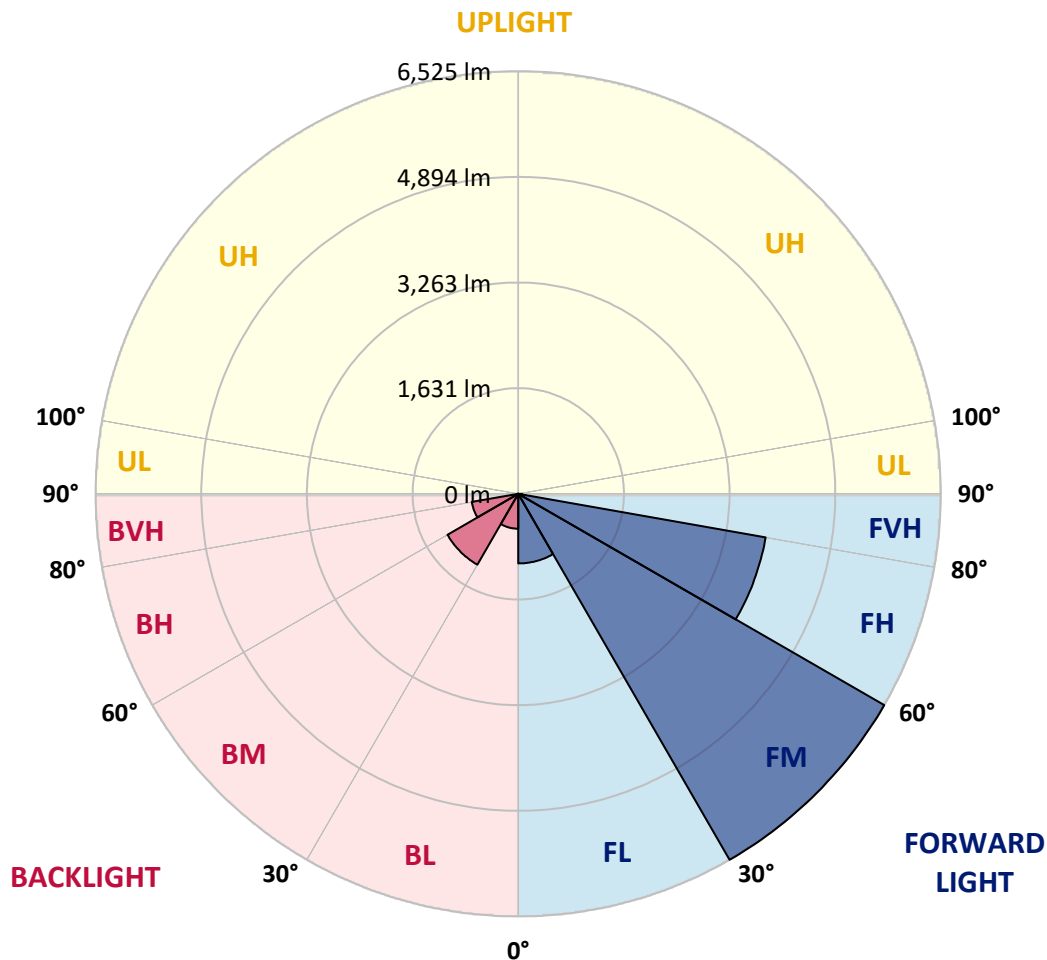


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1074.8	7.6			
FM (30°-60°)	6525.4	46.3			
FH (60°-80°)	3878.9	27.5			G2/5000
FVH (80°-90°)	57.7	0.4			G1/100
BL (0°-30°)	539.0	3.8	B2/1000		
BM (30°-60°)	1263.0	9.0	B2/2500		
BH (60°-80°)	728.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	21.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2334.1	2334.1	2334.1	2334.1	2334.1	2334.1	2334.1	2334.1	2334.1	2334.1
2.5°	2467.0	2481.2	2473.0	2469.0	2461.9	2451.7	2443.6	2418.3	2391.9	2374.6
5°	2516.7	2530.9	2529.8	2533.9	2539.0	2542.0	2540.0	2511.6	2474.1	2444.6
7.5°	2474.1	2490.3	2503.5	2523.8	2559.3	2596.8	2615.1	2609.0	2570.4	2529.8
10°	2353.3	2370.6	2402.0	2449.7	2524.8	2605.9	2673.9	2705.3	2681.0	2636.4
12.5°	2132.2	2149.5	2211.3	2314.8	2440.6	2581.6	2711.4	2795.6	2801.7	2757.1
15°	1883.7	1900.9	1966.9	2096.7	2288.4	2514.6	2731.7	2891.0	2944.7	2906.2
17.5°	1729.5	1744.7	1794.4	1898.9	2098.7	2380.7	2724.6	2992.4	3115.1	3084.7
20°	1682.8	1696.0	1719.4	1792.4	1958.8	2241.8	2677.9	3087.7	3298.7	3281.5
22.5°	1732.5	1744.7	1751.8	1784.3	1888.8	2150.5	2619.1	3185.1	3511.8	3513.8
25°	1847.2	1859.3	1851.2	1871.5	1917.2	2122.1	2596.8	3299.8	3779.6	3801.9
27.5°	2035.8	2036.9	2017.6	2016.6	2023.7	2164.7	2620.1	3422.5	4117.3	4158.9
30°	2414.2	2399.0	2324.9	2244.8	2208.3	2292.5	2685.0	3567.5	4516.0	4590.0
32.5°	2997.5	2975.2	2839.2	2647.5	2454.8	2498.4	2801.7	3732.9	4950.1	5084.0
35°	3630.4	3624.4	3482.3	3197.3	2860.5	2791.6	2991.4	3950.0	5423.8	5636.9
37.5°	4218.8	4215.7	4134.6	3798.8	3389.0	3200.3	3295.7	4234.0	5931.0	6239.4
40°	4756.4	4765.5	4684.4	4384.1	3971.3	3724.8	3709.6	4585.0	6495.0	6895.7
42.5°	5221.0	5231.1	5149.0	4926.8	4546.4	4305.0	4217.8	5015.1	7045.8	7600.7
45°	5536.4	5599.3	5587.2	5409.6	5136.8	4886.2	4828.4	5554.7	7673.7	8348.3
47.5°	5625.7	5683.5	5774.8	5799.2	5632.8	5386.3	5455.3	6204.9	8308.7	9096.9
50°	5405.6	5459.4	5649.0	5901.6	6017.3	5941.2	6064.9	6901.8	8958.9	9843.5
52.5°	4971.4	5026.2	5265.6	5665.3	6137.0	6376.3	6676.6	7588.5	9588.9	10550.5
55°	4343.5	4401.4	4708.7	5161.1	5908.7	6555.9	7186.8	8274.2	10166.0	11186.5
57.5°	3489.4	3532.0	3851.6	4484.5	5334.6	6377.4	7563.2	9022.8	10709.7	11811.4
60°	2274.2	2311.8	2683.0	3389.0	4383.1	5780.9	7638.2	9857.7	11432.0	12623.9
62.5°	1512.4	1537.8	1757.9	2276.3	3086.7	4635.7	7199.0	10524.1	12491.0	14037.9
65°	1037.7	1063.1	1283.2	1644.3	1994.3	3066.4	5936.1	10435.9	13450.6	15160.8
67.5°	740.5	761.8	948.4	1289.3	1443.5	1781.2	4024.0	9307.9	13312.6	15203.4
70°	530.5	542.7	696.9	1004.2	1147.3	1070.2	2237.7	7118.9	11656.2	14038.9
72.5°	371.3	375.3	483.9	764.8	924.1	781.1	1065.1	4746.2	8815.9	11019.1
75°	251.6	256.6	325.6	560.9	741.5	596.5	564.0	2545.1	5175.3	6099.4
77.5°	154.2	156.2	210.0	383.4	554.9	454.4	363.1	1078.3	2002.4	1965.9
80°	87.2	87.2	133.9	238.4	378.4	293.2	254.6	458.5	634.0	556.9
82.5°	48.7	49.7	97.4	148.1	250.5	173.5	140.0	212.0	273.9	242.4
85°	20.3	22.3	59.8	70.0	119.7	86.2	56.8	89.3	101.4	90.3
87.5°	2.0	3.0	18.3	13.2	14.2	17.2	8.1	17.2	14.2	14.2
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°
2334.1	0°	2334.1	2334.1	2334.1	2334.1	2334.1	2334.1	2334.1	2334.1	2334.1	2334.1
2368.6	2.5°	2349.3	2334.1	2295.5	2250.9	2192.1	2163.7	2125.1	2098.7	2076.4	2078.4
2427.4	5°	2394.9	2356.4	2270.2	2162.6	2028.7	1933.4	1832.0	1762.0	1705.2	1693.0
2508.5	7.5°	2457.8	2397.0	2245.8	2052.1	1825.9	1654.4	1501.3	1402.9	1332.9	1310.6
2606.9	10°	2539.0	2450.7	2214.4	1913.1	1587.5	1369.4	1205.1	1128.0	1080.3	1064.1
2722.6	12.5°	2633.3	2512.6	2172.8	1743.7	1342.0	1132.0	1027.6	989.0	973.8	968.7
2864.6	15°	2752.0	2589.7	2109.9	1542.9	1134.1	987.0	942.4	937.3	939.3	937.3
3035.0	17.5°	2893.0	2673.9	2007.4	1335.9	994.1	912.9	896.7	900.8	905.8	904.8
3225.7	20°	3047.2	2757.1	1876.6	1152.3	898.7	860.2	851.1	855.1	859.2	857.1
3445.8	22.5°	3222.7	2846.3	1731.5	1009.3	834.8	811.5	801.4	802.4	802.4	798.3
3724.8	25°	3432.6	2944.7	1579.4	907.9	786.1	767.9	755.7	751.6	745.6	733.4
4063.6	27.5°	3683.2	3049.2	1433.3	836.9	747.6	730.3	716.1	706.0	690.8	670.5
4470.3	30°	3965.2	3176.0	1309.6	792.2	717.2	699.9	683.7	668.5	646.2	620.8
4938.0	32.5°	4296.9	3311.9	1219.3	762.8	689.8	671.5	652.2	634.0	609.6	584.3
5463.4	35°	4692.5	3476.3	1166.5	742.5	668.5	644.1	622.8	602.5	584.3	562.0
6034.5	37.5°	5121.6	3650.7	1150.3	732.4	654.3	616.7	592.4	578.2	576.2	563.0
6652.3	40°	5591.2	3857.7	1162.5	726.3	639.1	590.4	564.0	560.9	566.0	542.7
7312.6	42.5°	6088.3	4103.1	1182.8	719.2	617.8	564.0	538.6	538.6	534.6	502.1
8010.5	45°	6625.9	4386.1	1203.0	701.9	592.4	537.6	518.3	511.2	494.0	462.6
8712.4	47.5°	7167.6	4674.2	1218.3	670.5	562.0	515.3	498.1	481.8	456.5	428.1
9401.2	50°	7681.8	4932.9	1202.0	623.8	527.5	494.0	475.7	453.4	426.0	406.8
10053.4	52.5°	8141.4	5157.1	1133.1	569.1	491.0	471.7	455.5	432.1	409.8	389.5
10641.8	55°	8541.0	5338.6	1011.3	517.3	458.5	452.4	436.2	406.8	376.3	359.1
11225.0	57.5°	8924.4	5476.6	859.2	474.7	429.1	431.1	406.8	380.4	352.0	333.7
12011.2	60°	9434.7	5661.2	705.0	435.2	397.6	403.7	377.3	358.1	322.6	299.2
13359.3	62.5°	10250.2	5948.3	559.9	386.5	361.1	363.1	352.0	328.7	286.1	258.7
14358.4	65°	10897.4	5842.8	441.3	333.7	319.5	322.6	322.6	297.2	251.6	220.1
14412.2	67.5°	10824.4	5002.9	352.0	282.0	280.0	282.0	289.1	267.8	223.2	197.8
13314.6	70°	9971.3	3979.4	282.0	234.3	243.4	238.4	258.7	244.5	200.8	175.5
10322.3	72.5°	8136.3	2866.6	215.0	193.7	186.6	194.8	233.3	220.1	167.4	139.0
5467.5	75°	4754.4	1529.7	160.3	153.2	134.9	162.3	206.9	187.7	127.8	102.5
1675.7	77.5°	1547.9	533.6	117.7	112.6	100.4	130.9	176.5	158.2	104.5	81.1
491.0	80°	414.9	161.3	80.1	74.0	64.9	97.4	140.0	125.8	75.1	52.7
211.0	82.5°	166.4	68.0	46.7	41.6	35.5	66.9	110.6	101.4	55.8	33.5
65.9	85°	53.8	22.3	17.2	13.2	16.2	41.6	65.9	69.0	39.6	17.2
10.1	87.5°	7.1	3.0	3.0	4.1	3.0	7.1	20.3	19.3	11.2	2.0
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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2334.1
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