

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: P847686

Luminaire Tested: **GLAN-SB3D-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19482 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

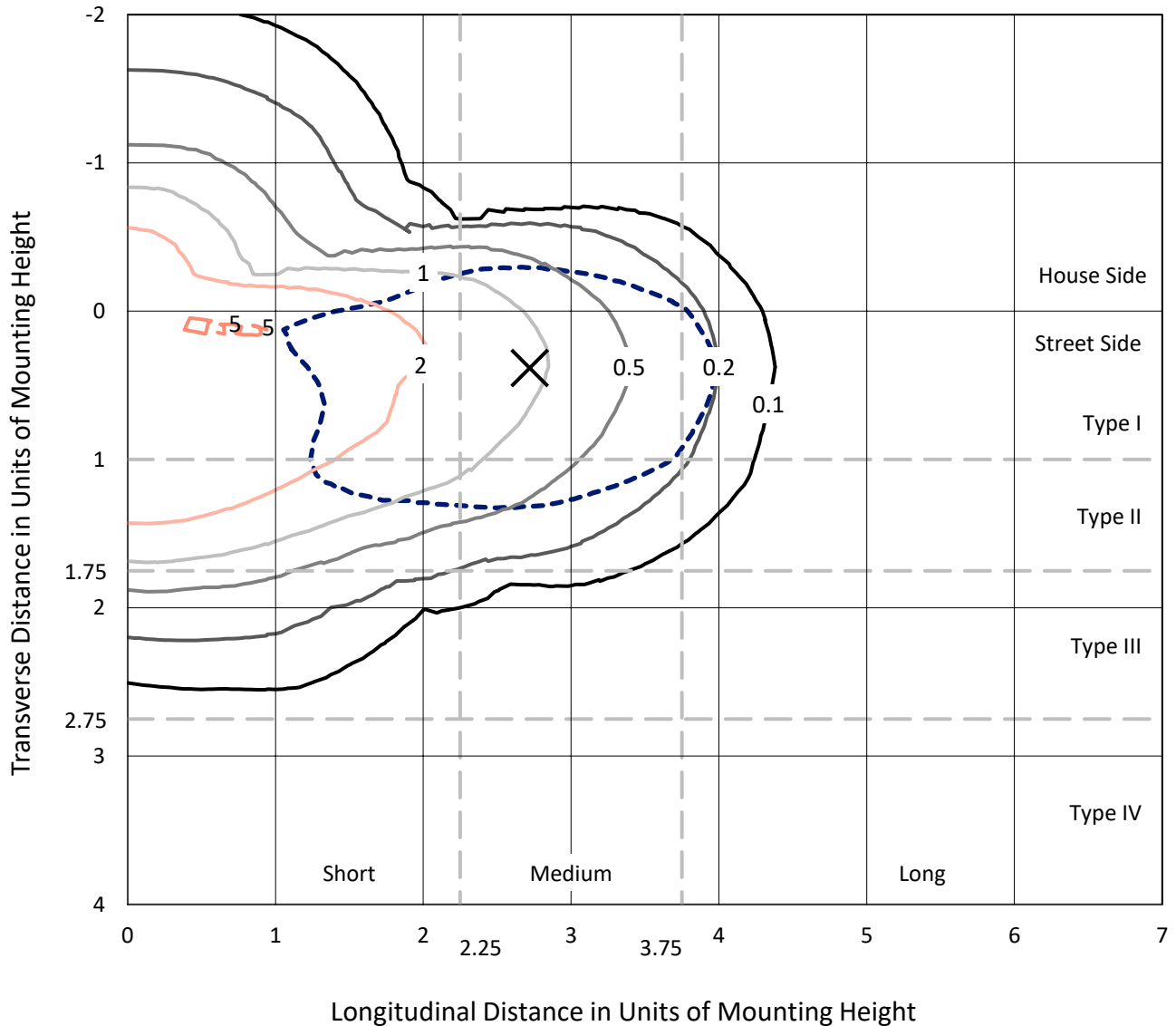
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

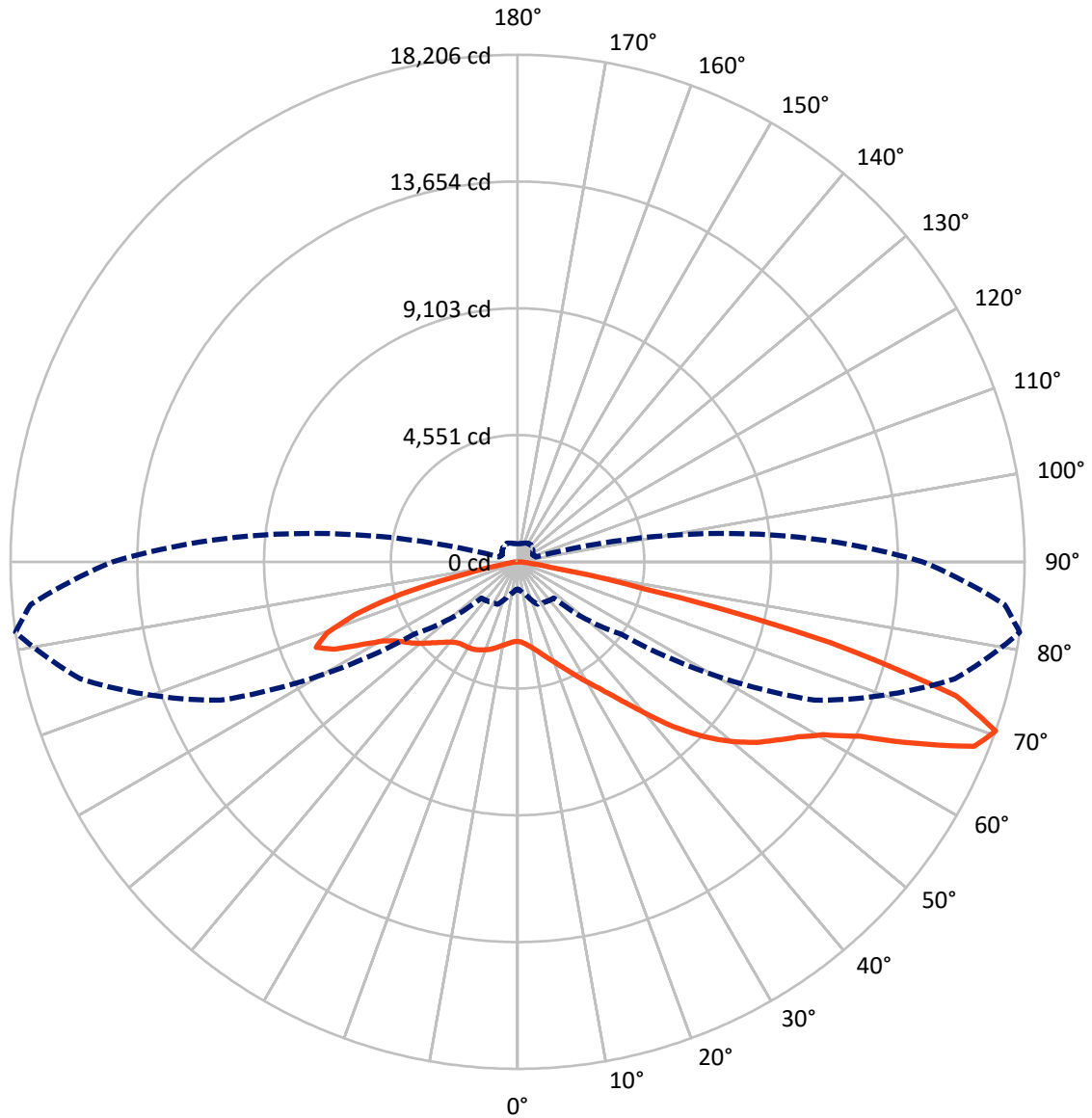
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4802.8	0.0	4802.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	14679.2	0.0	14679.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	19482.0	0.0	19482.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.7	1.4
10°-20°	774.8	4.0
20°-30°	1296.2	6.7
30°-40°	2025.0	10.4
40°-50°	3225.0	16.6
50°-60°	4488.1	23.0
60°-70°	4694.7	24.1
70°-80°	2453.7	12.6
80°-90°	254.8	1.3
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°	19482.0	100.0
0°-180°	19482.0	100.0

Coefficient of Utilization



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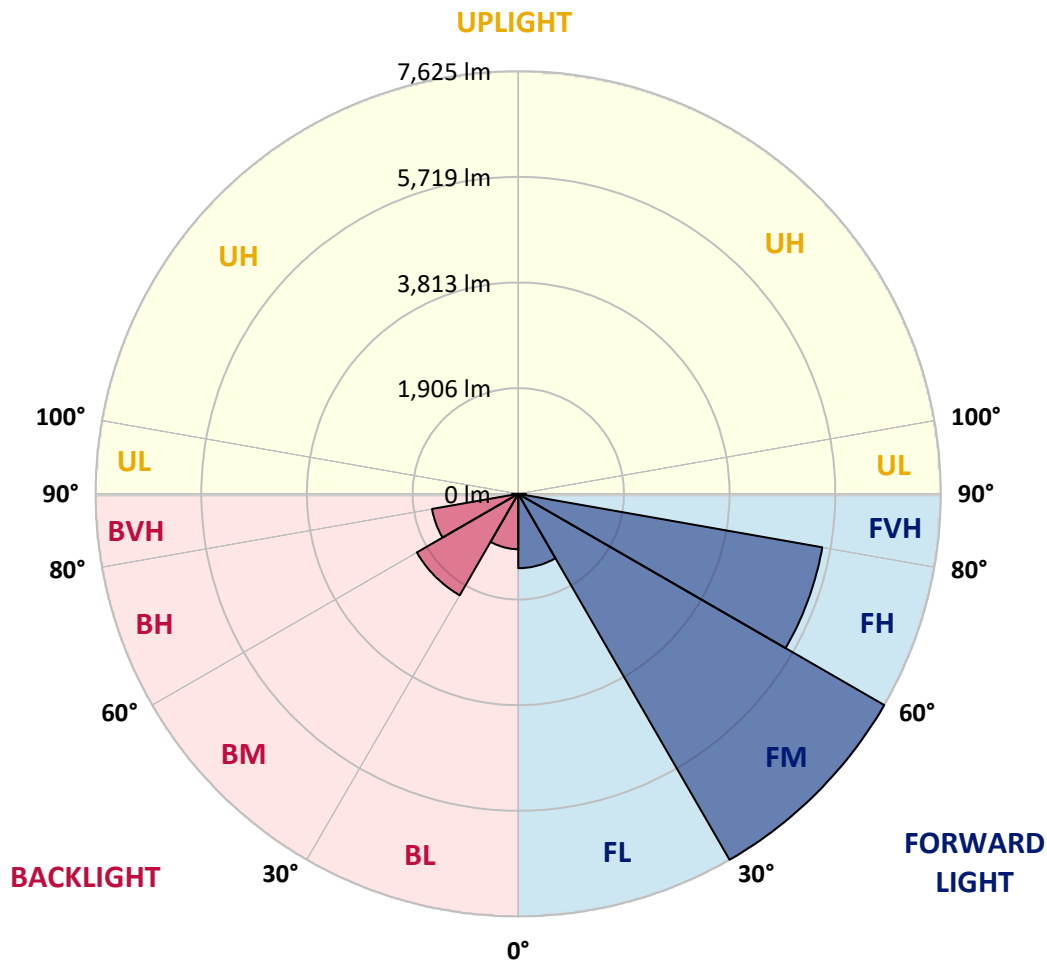
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1341.6	6.9			
FM (30°-60°)	7625.1	39.1			
FH (60°-80°)	5570.0	28.6			G3/7500
FVH (80°-90°)	142.6	0.7			G2/225
BL (0°-30°)	999.2	5.1	B2/1000		
BM (30°-60°)	2113.0	10.8	B2/2500		
BH (60°-80°)	1578.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	112.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2856.3	2856.3	2856.3	2856.3	2856.3	2856.3	2856.3	2856.3	2856.3	2856.3
2.5°	2924.5	2941.1	2935.9	2930.7	2930.7	2923.5	2922.5	2912.1	2903.9	2890.4
5°	2961.7	2979.3	2977.3	2981.4	2994.8	2997.9	3001.0	2994.8	2978.3	2961.7
7.5°	2928.7	2948.3	2954.5	2979.3	3020.7	3057.9	3085.8	3097.2	3081.7	3057.9
10°	2817.0	2838.7	2860.4	2919.4	2992.8	3080.6	3155.1	3199.5	3196.4	3173.7
12.5°	2590.6	2613.4	2659.9	2774.6	2909.0	3064.1	3202.6	3295.7	3327.7	3311.2
15°	2409.7	2429.4	2464.5	2582.4	2757.1	2992.8	3220.2	3401.1	3482.8	3473.5
17.5°	2404.5	2412.8	2434.5	2490.4	2624.7	2881.1	3201.6	3504.5	3660.6	3659.5
20°	2495.5	2498.6	2511.0	2522.4	2598.9	2796.3	3154.0	3590.3	3860.1	3860.1
22.5°	2621.6	2619.6	2632.0	2621.6	2658.9	2789.1	3124.1	3665.7	4082.4	4098.9
25°	2810.8	2800.5	2797.4	2773.6	2780.8	2856.3	3157.1	3751.5	4346.0	4380.1
27.5°	3063.1	3046.5	3035.1	2980.4	2961.7	2994.8	3258.4	3854.9	4639.6	4698.5
30°	3391.8	3361.8	3345.3	3250.2	3183.0	3188.1	3411.4	3992.4	4946.6	5041.7
32.5°	3840.5	3793.9	3749.5	3593.4	3470.4	3430.0	3608.9	4182.6	5279.5	5431.4
35°	4342.9	4305.6	4258.1	4017.2	3828.0	3735.0	3875.6	4448.3	5669.2	5910.1
37.5°	4826.7	4794.6	4817.4	4492.8	4248.8	4113.4	4225.0	4805.0	6149.9	6505.5
40°	5327.0	5302.2	5305.3	4995.2	4710.9	4558.9	4648.9	5252.6	6700.9	7213.6
42.5°	5870.8	5852.2	5790.1	5515.2	5195.7	5054.1	5136.8	5769.5	7292.2	8020.0
45°	6479.7	6468.3	6410.4	6095.1	5729.1	5569.9	5681.6	6340.1	7886.6	8778.8
47.5°	7005.9	7015.2	7007.9	6742.2	6362.9	6129.2	6262.6	6935.6	8439.7	9492.1
50°	7259.1	7307.7	7379.0	7296.3	7060.6	6822.9	6848.7	7510.3	8966.9	10160.9
52.5°	7126.8	7218.8	7413.2	7545.5	7636.5	7586.8	7517.6	8081.0	9463.1	10764.6
55°	6633.7	6762.9	7085.5	7404.9	7869.1	8229.8	8320.8	8713.6	9946.9	11296.0
57.5°	5735.4	5945.2	6234.7	6880.8	7662.3	8541.0	9257.4	9591.3	10459.7	11863.5
60°	4195.0	4476.2	4836.0	5797.4	6938.7	8374.6	10054.4	10939.3	11188.5	12598.5
62.5°	2684.7	2858.4	3189.2	4094.8	5406.6	7521.7	10298.4	12624.4	12423.8	13803.9
65°	1838.0	1949.7	2252.6	2761.2	3495.2	5598.9	9645.1	13887.7	14385.9	15714.3
67.5°	1335.6	1420.4	1678.8	2124.4	2277.4	3313.2	7484.5	13829.8	16293.2	17682.6
70°	973.8	1033.8	1250.9	1678.8	1752.2	1843.2	4534.1	11756.0	16251.9	18205.7
72.5°	721.6	762.9	908.7	1302.5	1418.3	1244.7	2244.3	8544.1	13965.2	16466.9
75°	522.1	553.1	660.6	996.6	1135.1	948.0	1119.6	4993.1	9741.2	11583.4
77.5°	399.0	422.8	493.1	729.8	908.7	711.2	694.7	2297.0	4618.9	4641.6
80°	320.5	336.0	374.2	513.8	696.8	532.4	452.8	927.3	1459.7	1235.4
82.5°	235.7	261.5	316.3	360.8	498.3	367.0	276.0	468.3	555.1	477.6
85°	134.4	152.0	191.2	258.4	318.4	224.3	158.2	207.8	258.4	211.9
87.5°	47.6	62.0	67.2	101.3	138.5	93.0	61.0	60.0	84.8	63.1
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°
2856.3	0°	2856.3	2856.3	2856.3	2856.3	2856.3	2856.3	2856.3	2856.3	2856.3	2856.3
2887.3	2.5°	2877.0	2871.8	2851.1	2823.2	2794.3	2766.4	2757.1	2737.4	2724.0	2716.7
2954.5	5°	2934.9	2918.3	2869.7	2807.7	2742.6	2672.3	2622.7	2577.2	2544.1	2513.1
3046.5	7.5°	3017.6	2988.6	2904.9	2796.3	2680.6	2563.7	2476.9	2410.8	2366.3	2337.4
3154.0	10°	3113.7	3069.3	2941.1	2778.8	2599.9	2432.5	2330.1	2273.3	2245.3	2229.8
3277.0	12.5°	3224.3	3161.3	2978.3	2738.5	2476.9	2285.7	2215.4	2198.8	2199.9	2200.9
3432.1	15°	3360.8	3272.9	3008.3	2650.6	2316.7	2173.0	2160.6	2187.5	2215.4	2228.8
3607.9	17.5°	3514.8	3390.8	3013.4	2505.9	2159.5	2100.6	2139.9	2197.8	2240.2	2258.8
3804.3	20°	3680.2	3510.7	2976.2	2301.2	2030.3	2041.7	2112.0	2186.4	2232.9	2256.7
4028.6	22.5°	3869.4	3638.9	2887.3	2086.1	1924.9	1977.6	2060.3	2132.7	2181.3	2205.0
4292.2	25°	4085.5	3782.6	2747.8	1905.2	1833.9	1905.2	1987.9	2047.9	2087.2	2108.9
4586.8	27.5°	4325.3	3932.5	2561.7	1761.5	1754.3	1830.8	1899.0	1945.6	1966.2	1982.8
4900.1	30°	4566.2	4068.9	2336.3	1653.0	1685.0	1757.4	1806.0	1826.7	1832.9	1836.0
5249.5	32.5°	4826.7	4186.8	2099.6	1563.1	1618.9	1686.1	1715.0	1724.3	1695.4	1675.7
5673.3	35°	5142.0	4312.9	1868.0	1491.7	1553.8	1611.6	1621.0	1612.7	1578.6	1538.2
6204.7	37.5°	5531.7	4470.0	1683.0	1441.1	1492.8	1531.0	1519.6	1517.6	1520.7	1473.1
6843.6	40°	6009.3	4674.7	1547.6	1401.8	1443.1	1451.4	1419.4	1436.9	1452.4	1380.1
7544.4	42.5°	6539.6	4921.8	1461.7	1374.9	1401.8	1382.1	1332.5	1352.2	1350.1	1255.0
8248.4	45°	7080.3	5190.6	1431.8	1355.3	1363.5	1324.3	1269.5	1274.6	1231.2	1145.4
8923.5	47.5°	7617.8	5479.0	1450.4	1338.7	1316.0	1271.5	1229.2	1206.4	1142.3	1078.2
9570.6	50°	8145.1	5781.9	1518.6	1305.7	1250.9	1225.0	1194.0	1153.7	1085.5	1030.7
10182.6	52.5°	8634.0	6086.8	1595.1	1250.9	1169.2	1184.7	1165.1	1118.5	1051.3	995.5
10761.5	55°	9097.2	6391.8	1625.1	1175.4	1092.7	1149.6	1138.2	1052.4	971.7	926.3
11367.3	57.5°	9601.7	6758.8	1592.0	1079.3	1030.7	1109.2	1065.8	970.7	924.2	890.1
12156.1	60°	10300.5	7334.6	1520.7	960.4	971.7	1049.3	974.8	935.6	884.9	846.7
13338.7	62.5°	11461.4	8408.7	1405.9	842.5	902.5	960.4	931.4	892.1	840.5	803.2
15360.8	65°	13177.5	9901.4	1189.9	750.5	824.9	873.5	884.9	845.6	791.9	752.6
17132.7	67.5°	14624.7	10838.0	900.4	674.0	745.3	803.2	835.3	797.0	740.2	701.9
17547.2	70°	14545.1	10157.8	687.5	598.6	675.1	734.0	775.3	745.3	684.4	648.2
15938.7	72.5°	12919.0	8497.6	556.2	522.1	603.7	661.6	711.2	688.5	626.5	591.3
11676.4	75°	9491.0	6032.0	444.5	444.5	514.8	586.1	640.9	626.5	569.6	544.8
4902.1	77.5°	4000.7	2530.7	348.4	369.1	428.0	503.4	571.7	576.8	527.2	558.2
1296.3	80°	1063.7	697.8	265.7	290.5	336.0	415.6	497.2	495.2	441.4	412.5
481.7	82.5°	405.2	275.0	189.2	204.7	242.9	318.4	393.9	406.3	352.5	305.0
189.2	85°	156.1	117.8	116.8	123.0	141.6	210.9	297.7	308.1	265.7	225.4
52.7	87.5°	40.3	35.1	43.4	41.4	65.1	112.7	170.6	176.8	162.3	94.1
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°
2856.3
2725.0
2525.5
2343.6
2234.0
2203.0
2227.8
2262.9
2262.9
2211.2
2115.1
1989.0
1843.2
1681.9
1540.3
1476.2
1382.1
1254.0
1148.5
1078.2
1026.5
996.6
922.1
887.0
844.6
803.2
754.7
703.0
651.3
591.3
537.6
506.5
383.5
305.0
232.6
134.4
0.0

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