

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: P846448

Luminaire Tested: **GLAN-SB2A-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7157 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

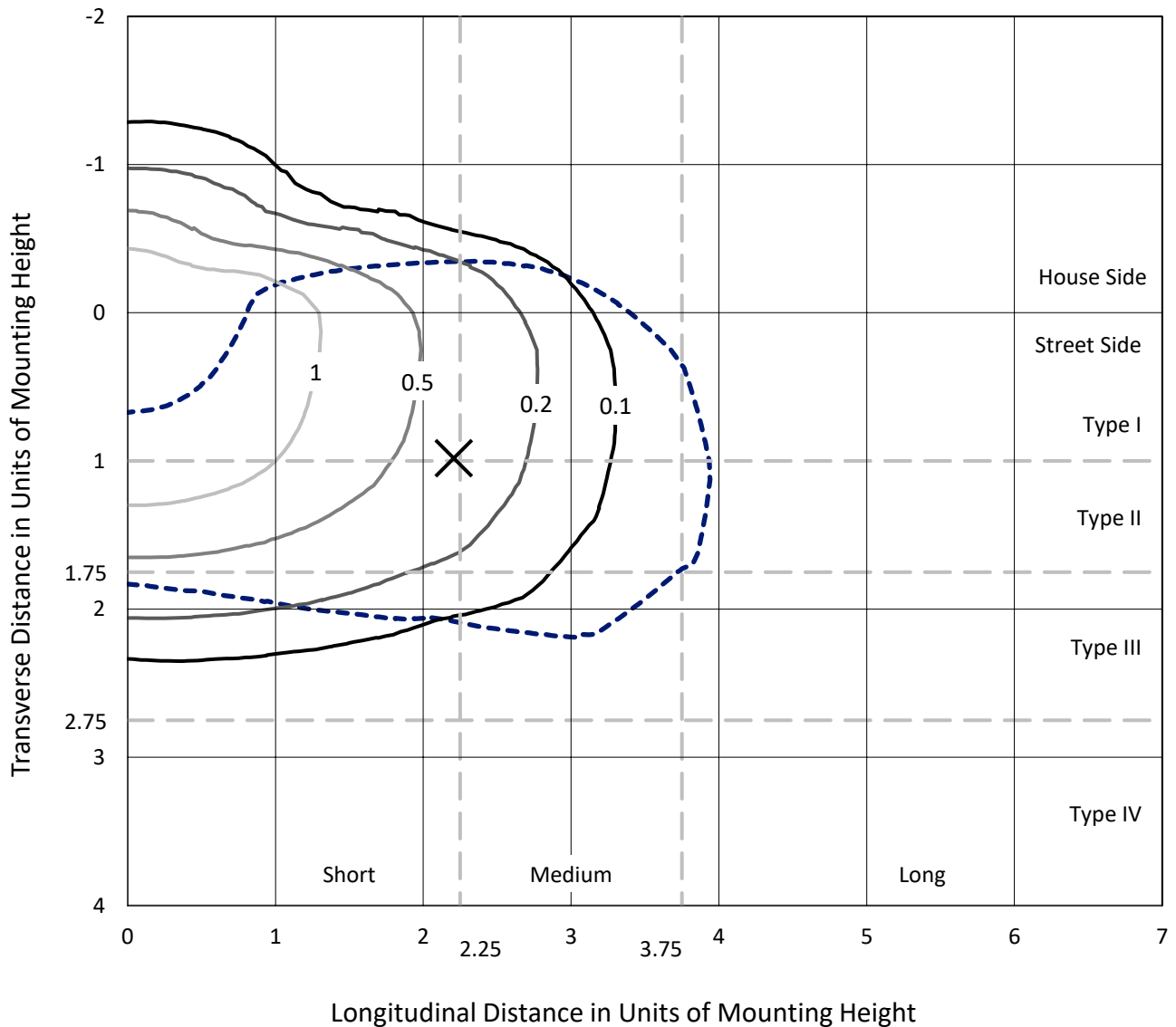
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

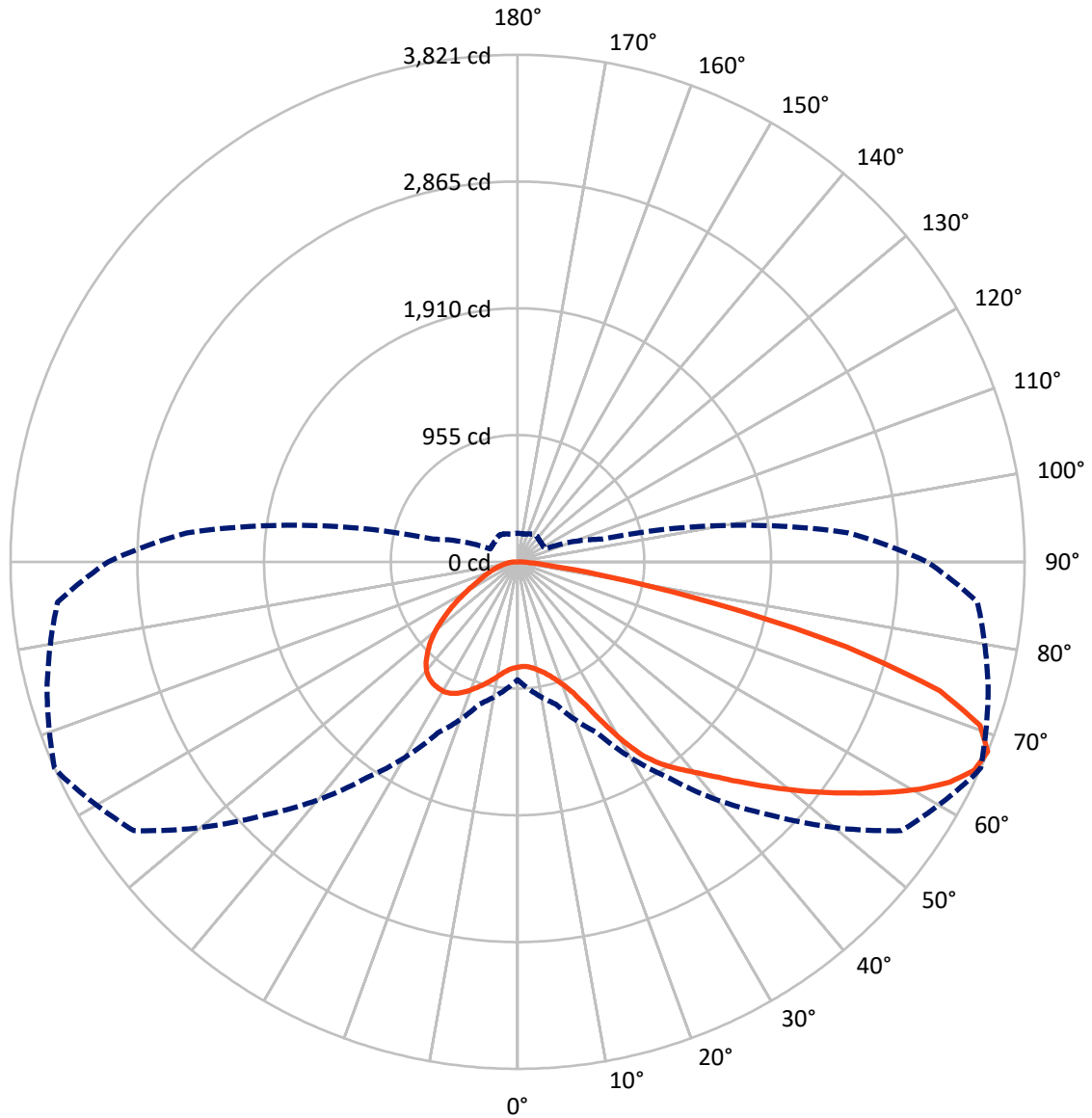
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1779.6	0.0	1779.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5377.4	0.0	5377.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	7157.0	0.0	7157.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	1.1
10°-20°	260.0	3.6
20°-30°	501.2	7.0
30°-40°	878.8	12.3
40°-50°	1306.4	18.3
50°-60°	1656.0	23.1
60°-70°	1620.4	22.6
70°-80°	772.9	10.8
80°-90°	82.6	1.2
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°	7157.0	100.0
0°-180°	7157.0	100.0

Coefficient of Utilization

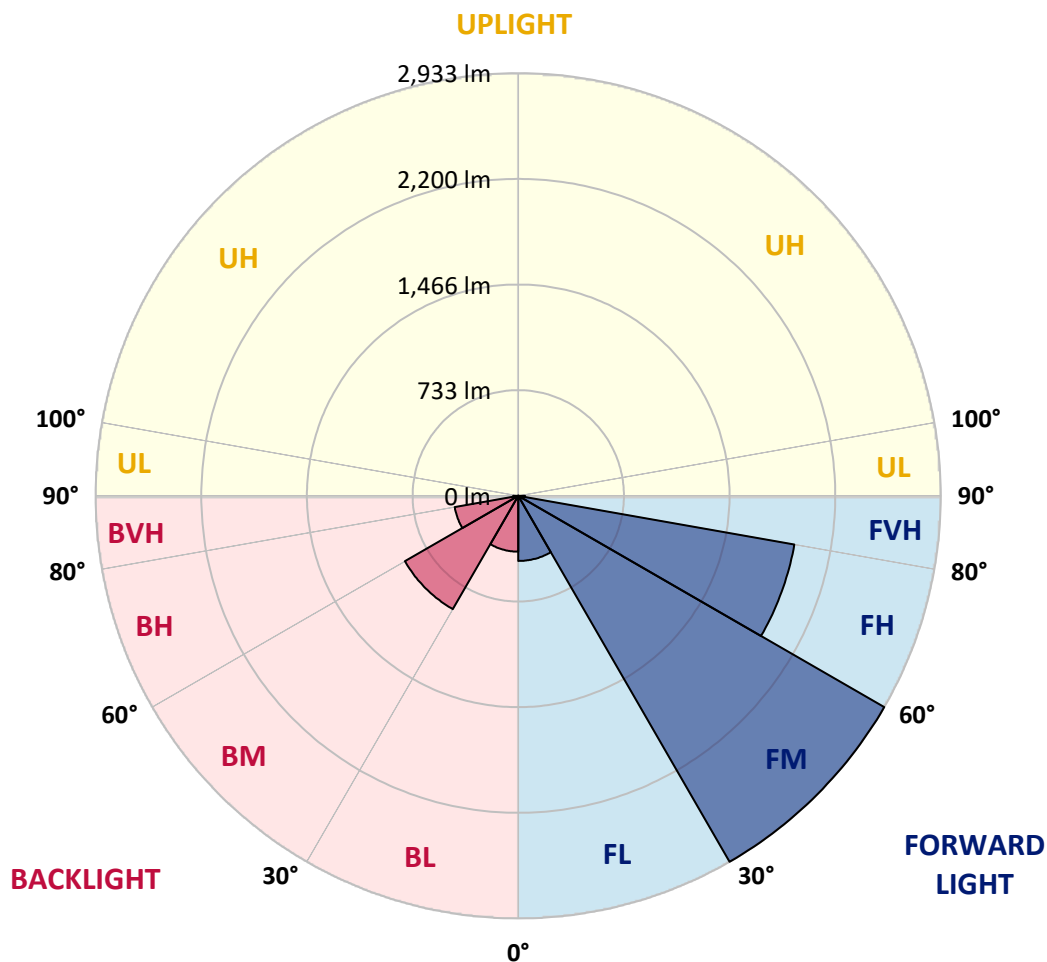


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	452.3	6.3			
FM (30°-60°)	2932.9	41.0			
FH (60°-80°)	1945.5	27.2			G2/5000
FVH (80°-90°)	46.8	0.7			G1/100
BL (0°-30°)	387.7	5.4	B1/500		
BM (30°-60°)	908.3	12.7	B1/1000		
BH (60°-80°)	447.8	6.3	B1/500		G1/500
BVH (80°-90°)	35.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	793.8	793.8	793.8	793.8	793.8	793.8	793.8	793.8	793.8	793.8
2.5°	785.5	790.0	788.9	787.0	786.7	787.4	788.5	789.7	789.3	791.2
5°	783.3	787.8	787.4	787.4	788.9	791.9	793.8	795.7	793.8	796.1
7.5°	784.8	788.2	789.7	791.2	794.9	800.6	805.1	809.2	807.0	809.6
10°	804.0	806.6	808.1	808.1	810.7	817.1	821.6	829.2	827.3	831.4
12.5°	838.9	841.6	841.6	840.1	841.9	846.1	847.6	855.9	852.5	859.2
15°	881.8	887.1	882.9	880.3	881.0	885.2	884.8	891.2	887.8	893.5
17.5°	929.2	935.9	929.2	928.8	927.3	931.8	932.2	937.8	931.8	935.9
20°	985.2	994.6	989.0	990.8	987.5	989.3	991.2	999.5	990.1	993.1
22.5°	1064.2	1075.5	1069.4	1076.6	1074.3	1072.8	1072.4	1087.1	1072.4	1073.6
25°	1179.2	1192.8	1182.2	1192.0	1192.0	1196.9	1202.6	1221.4	1196.9	1189.8
27.5°	1349.2	1362.7	1342.1	1348.1	1346.2	1358.2	1352.2	1398.8	1372.5	1360.9
30°	1553.8	1577.8	1538.7	1537.2	1535.3	1554.5	1563.2	1594.0	1567.3	1555.6
32.5°	1774.9	1800.1	1753.4	1739.9	1732.8	1744.4	1737.3	1762.1	1743.7	1725.6
35°	2008.8	2033.6	1989.2	1962.9	1934.3	1909.9	1884.3	1890.7	1873.4	1845.9
37.5°	2229.9	2275.4	2228.4	2200.2	2147.5	2099.8	2028.3	1998.6	1982.4	1957.3
40°	2455.1	2481.1	2445.3	2421.3	2364.1	2289.3	2175.0	2112.2	2090.4	2065.9
42.5°	2621.0	2645.8	2626.6	2610.0	2565.3	2478.4	2330.7	2252.1	2220.5	2193.0
45°	2752.6	2771.0	2759.0	2765.0	2745.8	2661.6	2492.0	2402.1	2369.4	2335.9
47.5°	2805.6	2825.1	2844.3	2880.0	2912.8	2850.7	2665.3	2564.5	2530.0	2495.7
50°	2799.6	2819.5	2875.1	2951.1	3052.6	3032.0	2848.1	2737.5	2705.6	2666.5
52.5°	2751.4	2774.0	2845.4	2971.8	3133.5	3167.7	3034.2	2916.1	2886.1	2839.4
55°	2625.1	2638.6	2745.8	2924.8	3152.7	3262.5	3216.6	3106.4	3076.3	3011.3
57.5°	2390.8	2410.4	2566.4	2798.1	3104.5	3326.8	3376.8	3306.5	3277.5	3183.9
60°	2085.1	2116.3	2294.9	2585.2	2981.9	3326.4	3522.3	3503.1	3479.1	3353.8
62.5°	1739.2	1775.3	1947.1	2284.4	2767.6	3232.0	3613.3	3667.8	3655.4	3510.6
65°	1335.7	1360.5	1531.6	1895.2	2434.1	3029.3	3623.8	3780.3	3782.5	3629.8
67.5°	889.3	960.8	1109.3	1422.2	1987.3	2698.0	3531.3	3798.7	3820.5	3670.8
70°	433.9	528.0	673.5	924.3	1422.2	2190.0	3289.5	3647.5	3696.0	3551.3
72.5°	180.1	210.6	289.9	456.1	816.4	1477.8	2803.7	3237.6	3327.5	3146.6
75°	121.5	131.6	165.8	233.9	371.9	728.8	2021.9	2414.1	2558.9	2376.5
77.5°	93.6	100.0	120.7	163.6	221.1	275.6	1082.2	1454.9	1529.7	1416.1
80°	73.7	78.6	90.2	119.2	156.8	147.4	368.9	659.2	702.4	589.2
82.5°	63.9	65.8	64.7	80.8	104.2	86.1	121.1	243.3	268.5	194.8
85°	46.3	51.5	53.8	50.0	55.3	43.6	49.6	86.1	94.8	84.6
87.5°	18.8	27.8	34.2	32.3	20.3	12.4	15.4	25.2	29.0	31.6
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°
793.8	0°	793.8	793.8	793.8	793.8	793.8	793.8	793.8	793.8	793.8	793.8
794.2	2.5°	794.6	797.2	799.1	801.3	802.8	805.1	809.6	812.2	812.6	814.5
800.2	5°	801.7	805.5	809.6	815.6	822.4	828.0	836.7	842.7	844.9	846.8
814.9	7.5°	817.1	822.4	829.9	840.4	850.2	857.7	868.3	875.4	882.5	885.2
838.2	10°	840.1	847.6	858.5	872.8	883.3	893.1	904.0	910.0	917.1	920.2
866.0	12.5°	868.6	876.5	890.8	910.8	920.5	927.3	931.1	929.6	931.1	933.7
899.5	15°	901.4	910.0	926.2	947.6	954.4	948.4	940.1	932.6	931.4	932.2
940.1	17.5°	940.1	946.5	965.3	983.3	978.4	953.6	935.6	923.5	917.5	915.6
992.0	20°	994.2	994.2	1009.6	1020.9	988.2	946.1	917.9	898.3	885.9	880.7
1062.7	22.5°	1060.0	1054.0	1063.8	1055.9	986.3	925.0	885.9	852.1	833.3	825.8
1161.6	25°	1143.5	1136.4	1133.7	1084.9	972.8	891.6	828.0	787.0	770.5	766.4
1304.1	27.5°	1269.5	1251.4	1217.2	1100.6	948.0	838.9	760.3	722.4	713.0	713.3
1487.2	30°	1437.2	1401.1	1317.2	1103.3	907.4	764.5	691.1	664.1	659.6	661.4
1641.0	32.5°	1592.5	1558.3	1419.5	1091.2	844.9	691.5	629.1	611.1	604.3	606.5
1758.3	35°	1714.3	1704.9	1514.3	1074.3	768.2	623.1	573.5	558.0	544.9	541.9
1868.9	37.5°	1829.4	1825.6	1585.4	1050.6	692.3	574.6	528.7	508.4	489.2	478.7
1991.1	40°	1955.7	1952.0	1632.0	1014.2	625.0	532.5	488.5	461.8	438.1	418.9
2129.5	42.5°	2097.9	2075.7	1654.2	961.9	567.8	496.7	455.8	419.7	388.4	370.8
2285.9	45°	2253.2	2203.2	1653.8	895.3	519.7	464.0	420.8	369.6	340.7	324.1
2446.5	47.5°	2417.9	2325.0	1633.5	821.6	473.0	427.9	366.6	327.5	308.3	298.2
2621.0	50°	2587.9	2439.0	1598.9	737.0	425.3	386.9	332.8	306.1	291.4	282.0
2793.9	52.5°	2747.7	2542.4	1557.2	641.1	376.8	347.1	317.7	297.1	281.6	271.1
2961.6	55°	2896.2	2631.5	1498.1	543.0	337.3	320.4	310.6	293.3	275.6	263.2
3132.0	57.5°	3028.2	2689.4	1396.2	450.9	309.1	302.0	303.1	286.9	266.6	256.1
3299.7	60°	3138.0	2731.9	1245.4	365.5	286.2	283.9	291.4	274.9	251.2	239.2
3441.5	62.5°	3203.8	2731.1	1060.4	299.3	266.6	267.4	276.0	259.8	235.8	224.5
3515.5	65°	3198.2	2664.2	857.4	256.1	247.8	248.6	259.8	243.3	223.0	216.2
3478.3	67.5°	3085.0	2501.0	657.7	227.9	227.1	230.5	243.7	232.0	215.1	214.3
3256.4	70°	2778.5	2162.2	473.8	205.3	205.7	210.6	227.9	224.9	211.0	212.5
2737.9	72.5°	2228.0	1648.5	318.1	181.6	182.0	189.9	212.8	219.2	206.8	226.7
1942.6	75°	1483.8	1028.1	204.6	156.4	156.8	167.0	199.7	208.3	195.5	226.0
1010.8	77.5°	713.0	462.1	148.2	131.6	131.6	141.0	172.6	186.5	166.6	175.6
324.9	80°	246.3	173.7	116.6	106.0	103.8	110.2	145.5	161.7	143.6	132.4
106.0	82.5°	97.0	90.2	93.6	82.4	74.8	79.0	113.2	133.5	105.7	95.5
59.8	85°	55.7	58.7	66.2	54.5	43.2	48.5	83.1	95.9	79.7	70.3
19.6	87.5°	15.0	20.7	30.5	28.2	19.6	20.7	39.5	53.0	45.9	35.3
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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