

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: McGRAW-EDISON

Report Number: P942274

Luminaire Tested: **GALN-SB6A-950-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942274  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-950-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

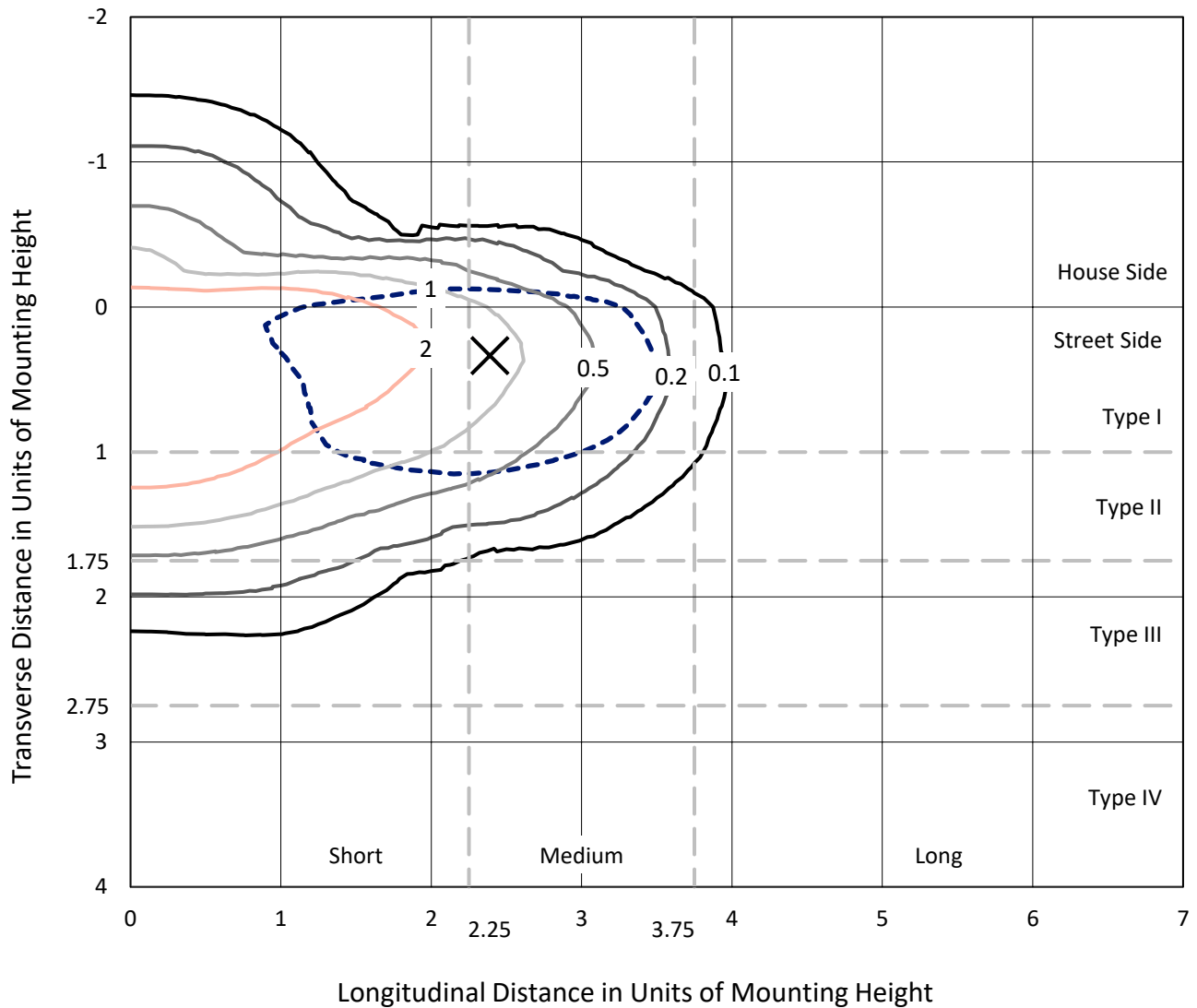
Lumens per Lamp: N/A  
Luminaire Lumens: 13818 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

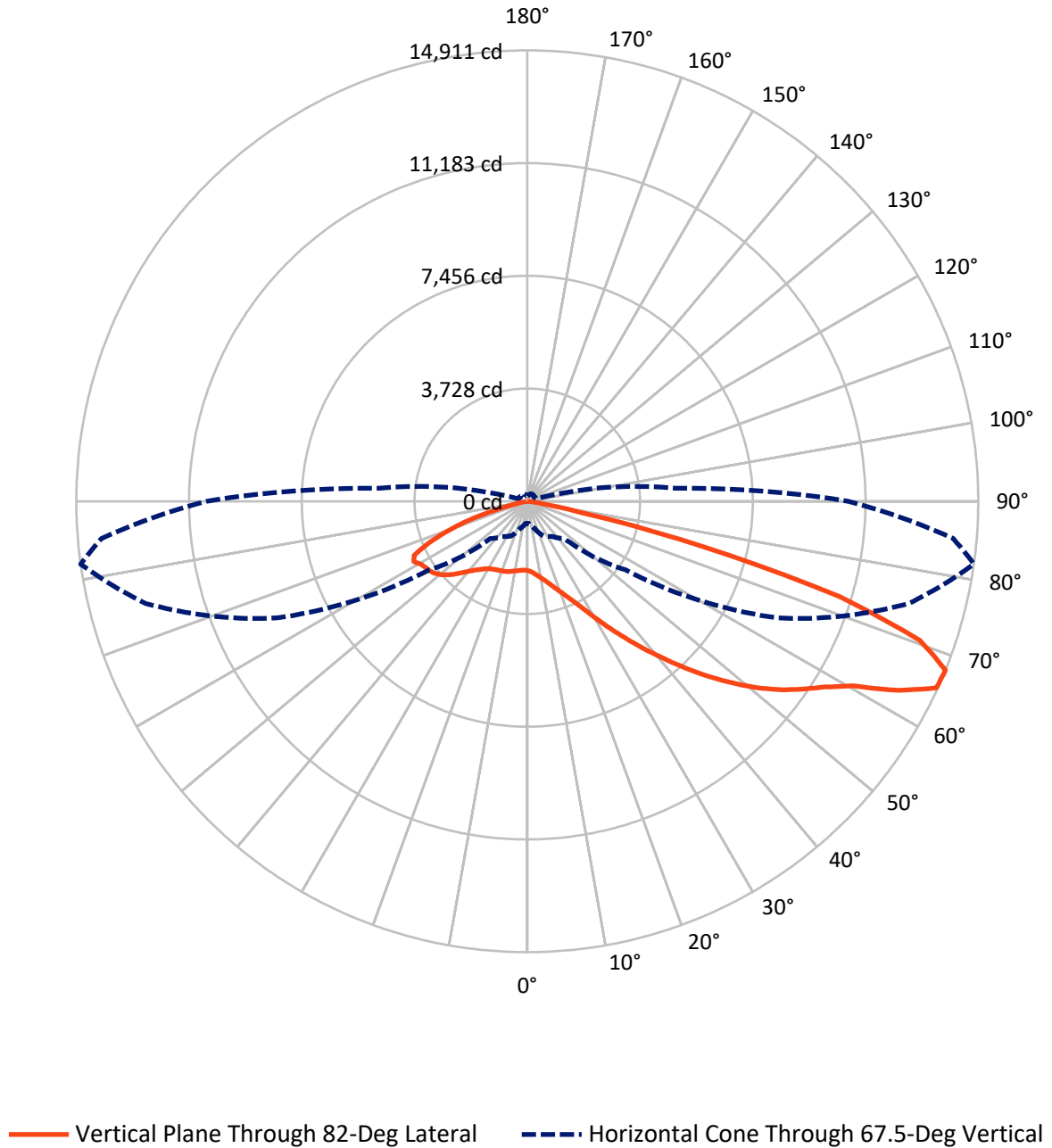
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2503.0	0.0	2503.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	11315.0	0.0	11315.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	13818.0	0.0	13818.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.9	1.5
10°-20°	530.0	3.8
20°-30°	848.9	6.1
30°-40°	1501.0	10.9
40°-50°	2630.0	19.0
50°-60°	3507.6	25.4
60°-70°	3265.4	23.6
70°-80°	1253.3	9.1
80°-90°	77.8	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°	13818.0	100.0
0°-180°	13818.0	100.0

**Coefficient of Utilization**



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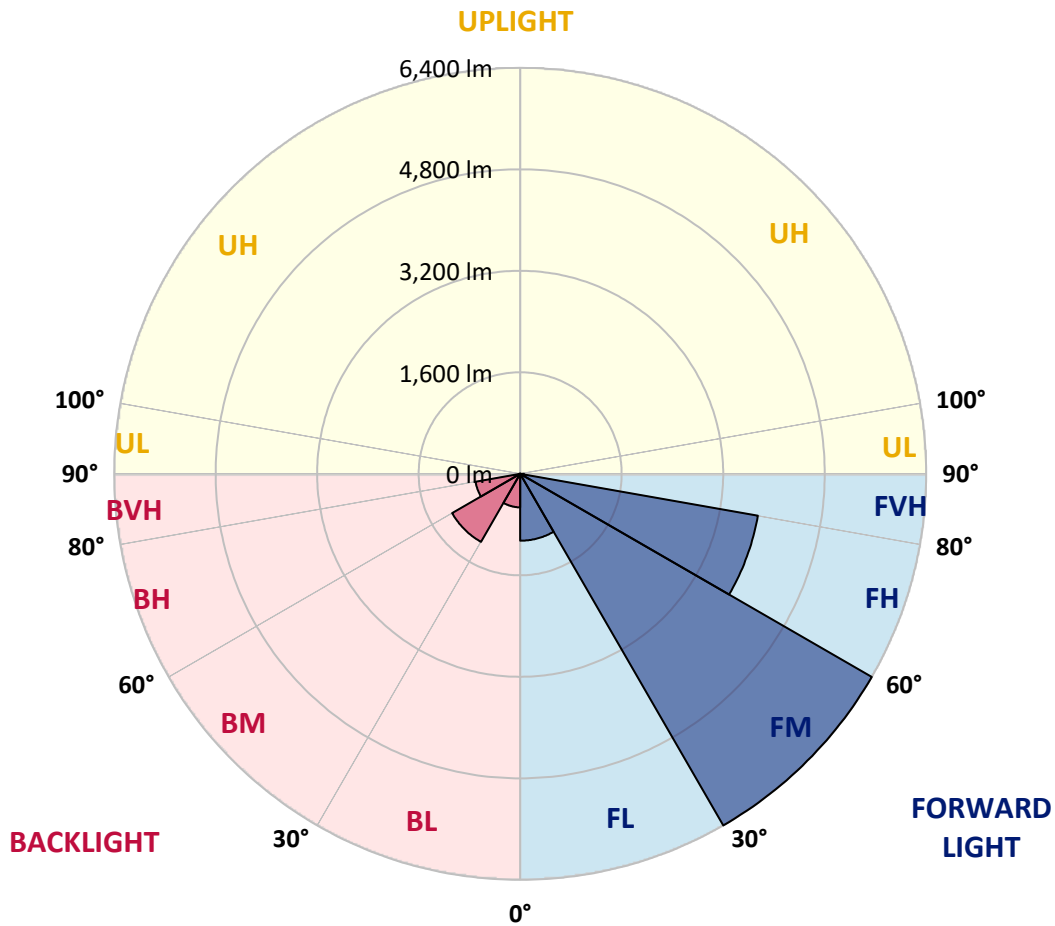
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1054.2	7.6			
FM (30°-60°)	6399.9	46.3			
FH (60°-80°)	3804.3	27.5			G2/5000
FVH (80°-90°)	56.6	0.4			G1/100
BL (0°-30°)	528.6	3.8	B2/1000		
BM (30°-60°)	1238.7	9.0	B2/2500		
BH (60°-80°)	714.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	21.2	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°	2289.2	2289.2	2289.2	2289.2	2289.2	2289.2	2289.2	2289.2	2289.2	2289.2
2.5°	2419.5	2433.4	2425.5	2421.5	2414.5	2404.6	2396.6	2371.7	2345.9	2329.0
5°	2468.2	2482.2	2481.2	2485.2	2490.1	2493.1	2491.1	2463.3	2426.5	2397.6
7.5°	2426.5	2442.4	2455.3	2475.2	2510.0	2546.8	2564.8	2558.8	2521.0	2481.2
10°	2308.1	2325.0	2355.8	2402.6	2476.2	2555.8	2622.5	2653.3	2629.4	2585.6
12.5°	2091.2	2108.1	2168.8	2270.3	2393.6	2531.9	2659.3	2741.8	2747.8	2704.0
15°	1847.5	1864.4	1929.0	2056.4	2244.4	2466.3	2679.2	2835.4	2888.1	2850.3
17.5°	1696.2	1711.2	1759.9	1862.4	2058.4	2334.9	2672.2	2934.8	3055.2	3025.4
20°	1650.5	1663.4	1686.3	1757.9	1921.1	2198.6	2626.4	3028.4	3235.3	3218.4
22.5°	1699.2	1711.2	1718.1	1750.0	1852.4	2109.1	2568.7	3123.9	3444.2	3446.2
25°	1811.6	1823.6	1815.6	1835.5	1880.3	2081.2	2546.8	3236.3	3706.9	3728.7
27.5°	1996.7	1997.7	1978.8	1977.8	1984.7	2123.0	2569.7	3356.7	4038.1	4078.9
30°	2367.8	2352.8	2280.2	2201.6	2165.8	2248.4	2633.4	3498.9	4429.1	4501.7
32.5°	2939.8	2917.9	2784.6	2596.6	2407.6	2450.3	2747.8	3661.1	4854.9	4986.2
35°	3560.6	3554.6	3415.4	3135.8	2805.5	2737.9	2933.8	3874.0	5319.5	5528.4
37.5°	4137.6	4134.6	4055.1	3725.8	3323.8	3138.8	3232.3	4152.5	5817.0	6119.4
40°	4664.9	4673.9	4594.3	4299.8	3894.9	3653.1	3638.2	4496.8	6370.1	6763.1
42.5°	5120.5	5130.5	5049.9	4832.0	4459.0	4222.2	4136.6	4918.6	6910.3	7454.5
45°	5430.0	5491.6	5479.7	5305.6	5038.0	4792.2	4735.5	5447.9	7526.1	8187.7
47.5°	5517.5	5574.2	5663.7	5687.6	5524.5	5282.7	5350.4	6085.6	8148.9	8921.9
50°	5301.6	5354.3	5540.4	5788.1	5901.5	5826.9	5948.3	6769.0	8786.6	9654.1
52.5°	4875.8	4929.5	5164.3	5556.3	6018.9	6253.7	6548.2	7442.6	9404.4	10347.5
55°	4260.0	4316.7	4618.1	5061.9	5795.1	6429.8	7048.6	8115.1	9970.5	10971.3
57.5°	3422.3	3464.1	3777.5	4398.3	5232.0	6254.7	7417.7	8849.3	10503.7	11584.2
60°	2230.5	2267.3	2631.4	3323.8	4298.8	5669.7	7491.3	9668.1	11212.1	12381.0
62.5°	1483.3	1508.2	1724.1	2232.5	3027.4	4546.5	7060.5	10321.7	12250.7	13767.9
65°	1017.7	1042.6	1258.5	1612.7	1955.9	3007.5	5821.9	10235.1	13191.9	14869.2
67.5°	726.2	747.1	930.2	1264.5	1415.7	1747.0	3946.6	9128.8	13056.6	14911.0
70°	520.3	532.3	683.5	984.9	1125.2	1049.6	2194.7	6981.9	11431.9	13768.9
72.5°	364.1	368.1	474.5	750.1	906.3	766.0	1044.6	4655.0	8646.3	10807.2
75°	246.7	251.7	319.4	550.2	727.2	585.0	553.1	2496.1	5075.8	5982.1
77.5°	151.2	153.2	205.9	376.1	544.2	445.7	356.2	1057.5	1963.9	1928.0
80°	85.6	85.6	131.3	233.8	371.1	287.5	249.7	449.7	621.8	546.2
82.5°	47.8	48.7	95.5	145.2	245.7	170.1	137.3	207.9	268.6	237.8
85°	19.9	21.9	58.7	68.6	117.4	84.6	55.7	87.5	99.5	88.5
87.5°	2.0	3.0	17.9	12.9	13.9	16.9	8.0	16.9	13.9	13.9
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°
2289.2	0°	2289.2	2289.2	2289.2	2289.2	2289.2	2289.2	2289.2	2289.2	2289.2	2289.2
2323.0	2.5°	2304.1	2289.2	2251.4	2207.6	2149.9	2122.0	2084.2	2058.4	2036.5	2038.5
2380.7	5°	2348.9	2311.1	2226.5	2121.0	1989.7	1896.2	1796.7	1728.1	1672.4	1660.4
2460.3	7.5°	2410.5	2350.9	2202.6	2012.6	1790.7	1622.6	1472.4	1375.9	1307.2	1285.4
2556.8	10°	2490.1	2403.6	2171.8	1876.3	1557.0	1343.1	1181.9	1106.3	1059.5	1043.6
2670.2	12.5°	2582.7	2464.3	2131.0	1710.2	1316.2	1110.3	1007.8	970.0	955.1	950.1
2809.5	15°	2699.1	2539.9	2069.3	1513.2	1112.3	968.0	924.2	919.3	921.2	919.3
2976.6	17.5°	2837.3	2622.5	1968.8	1310.2	975.0	895.4	879.5	883.4	888.4	887.4
3163.7	20°	2988.6	2704.0	1840.5	1130.2	881.4	843.6	834.7	838.7	842.6	840.7
3379.5	22.5°	3160.7	2791.6	1698.2	989.9	818.8	795.9	785.9	786.9	786.9	783.0
3653.1	25°	3366.6	2888.1	1549.0	890.4	771.0	753.1	741.2	737.2	731.2	719.3
3985.4	27.5°	3612.3	2990.6	1405.7	820.8	733.2	716.3	702.4	692.4	677.5	657.6
4384.4	30°	3888.9	3114.9	1284.4	777.0	703.4	686.5	670.5	655.6	633.7	608.9
4843.0	32.5°	4214.2	3248.2	1195.8	748.1	676.5	658.6	639.7	621.8	597.9	573.0
5358.3	35°	4602.2	3409.4	1144.1	728.2	655.6	631.7	610.8	590.9	573.0	551.2
5918.4	37.5°	5023.1	3580.5	1128.2	718.3	641.7	604.9	581.0	567.1	565.1	552.1
6524.3	40°	5483.7	3783.5	1140.1	712.3	626.8	579.0	553.1	550.2	555.1	532.3
7172.0	42.5°	5971.2	4024.2	1160.0	705.4	605.9	553.1	528.3	528.3	524.3	492.5
7856.4	45°	6498.4	4301.8	1179.9	688.4	581.0	527.3	508.4	501.4	484.5	453.7
8544.9	47.5°	7029.7	4584.3	1194.8	657.6	551.2	505.4	488.5	472.6	447.7	419.8
9220.4	50°	7534.1	4838.0	1178.9	611.8	517.3	484.5	466.6	444.7	417.8	398.9
9860.1	52.5°	7984.8	5057.9	1111.3	558.1	481.5	462.6	446.7	423.8	401.9	382.0
10437.1	55°	8376.7	5236.0	991.9	507.4	449.7	443.7	427.8	398.9	369.1	352.2
11009.1	57.5°	8752.8	5371.3	842.6	465.6	420.8	422.8	398.9	373.1	345.2	327.3
11780.1	60°	9253.2	5552.3	691.4	426.8	390.0	396.0	370.1	351.2	316.4	293.5
13102.3	62.5°	10053.1	5833.9	549.2	379.0	354.2	356.2	345.2	322.3	280.6	253.7
14082.3	65°	10687.8	5730.4	432.8	327.3	313.4	316.4	316.4	291.5	246.7	215.9
14135.0	67.5°	10616.2	4906.7	345.2	276.6	274.6	276.6	283.5	262.6	218.9	194.0
13058.5	70°	9779.5	3902.8	276.6	229.8	238.8	233.8	253.7	239.8	197.0	172.1
10123.7	72.5°	7979.8	2811.5	210.9	190.0	183.1	191.0	228.8	215.9	164.2	136.3
5362.3	75°	4662.9	1500.3	157.2	150.2	132.3	159.2	203.0	184.0	125.4	100.5
1643.5	77.5°	1518.2	523.3	115.4	110.4	98.5	128.3	173.1	155.2	102.5	79.6
481.5	80°	406.9	158.2	78.6	72.6	63.7	95.5	137.3	123.4	73.6	51.7
206.9	82.5°	163.2	66.7	45.8	40.8	34.8	65.7	108.4	99.5	54.7	32.8
64.7	85°	52.7	21.9	16.9	12.9	15.9	40.8	64.7	67.7	38.8	16.9
9.9	87.5°	7.0	3.0	3.0	4.0	3.0	7.0	19.9	18.9	10.9	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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2289.2
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