

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: P849947

Luminaire Tested: **GLAN-SB7B-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24560 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

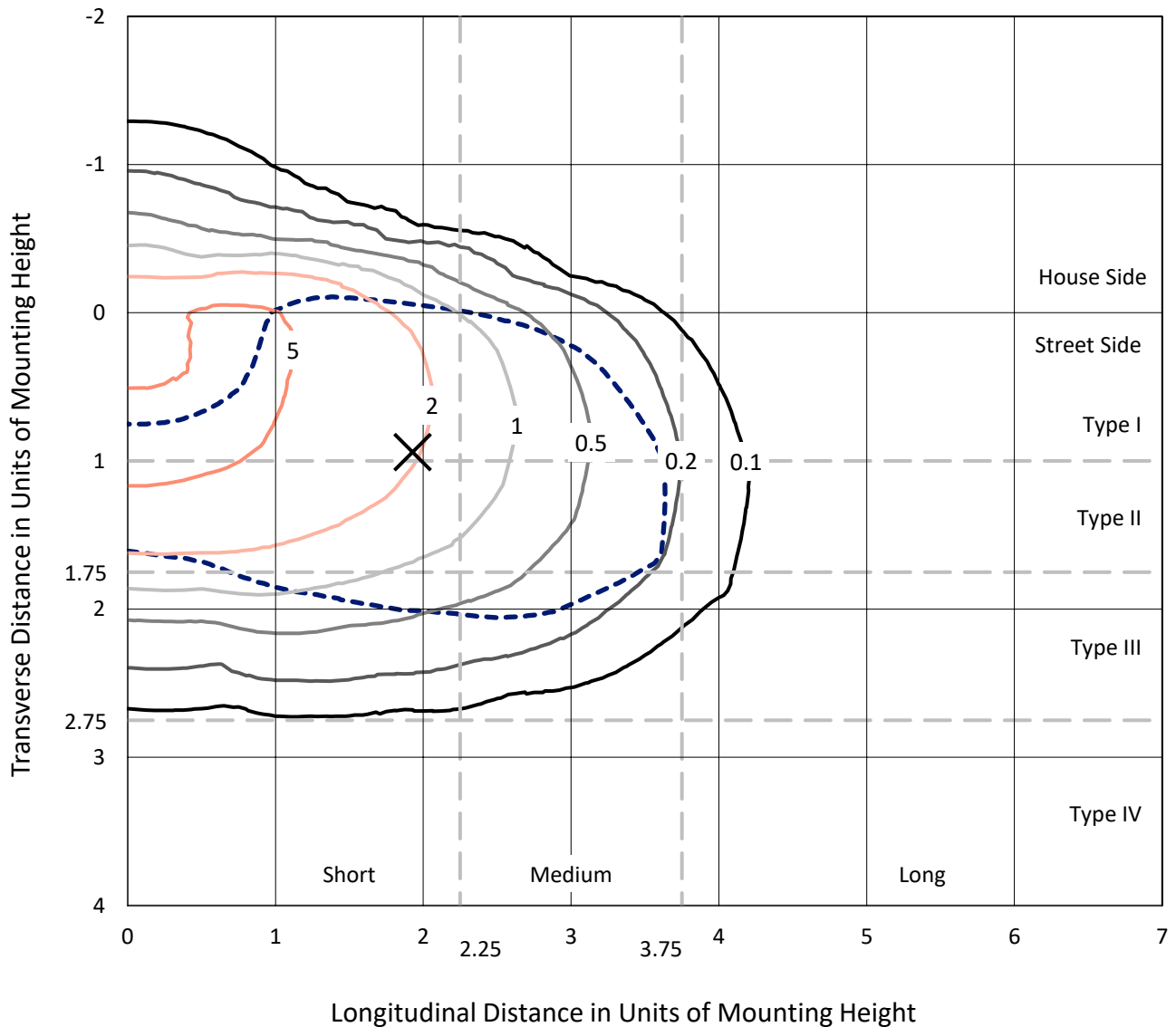
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

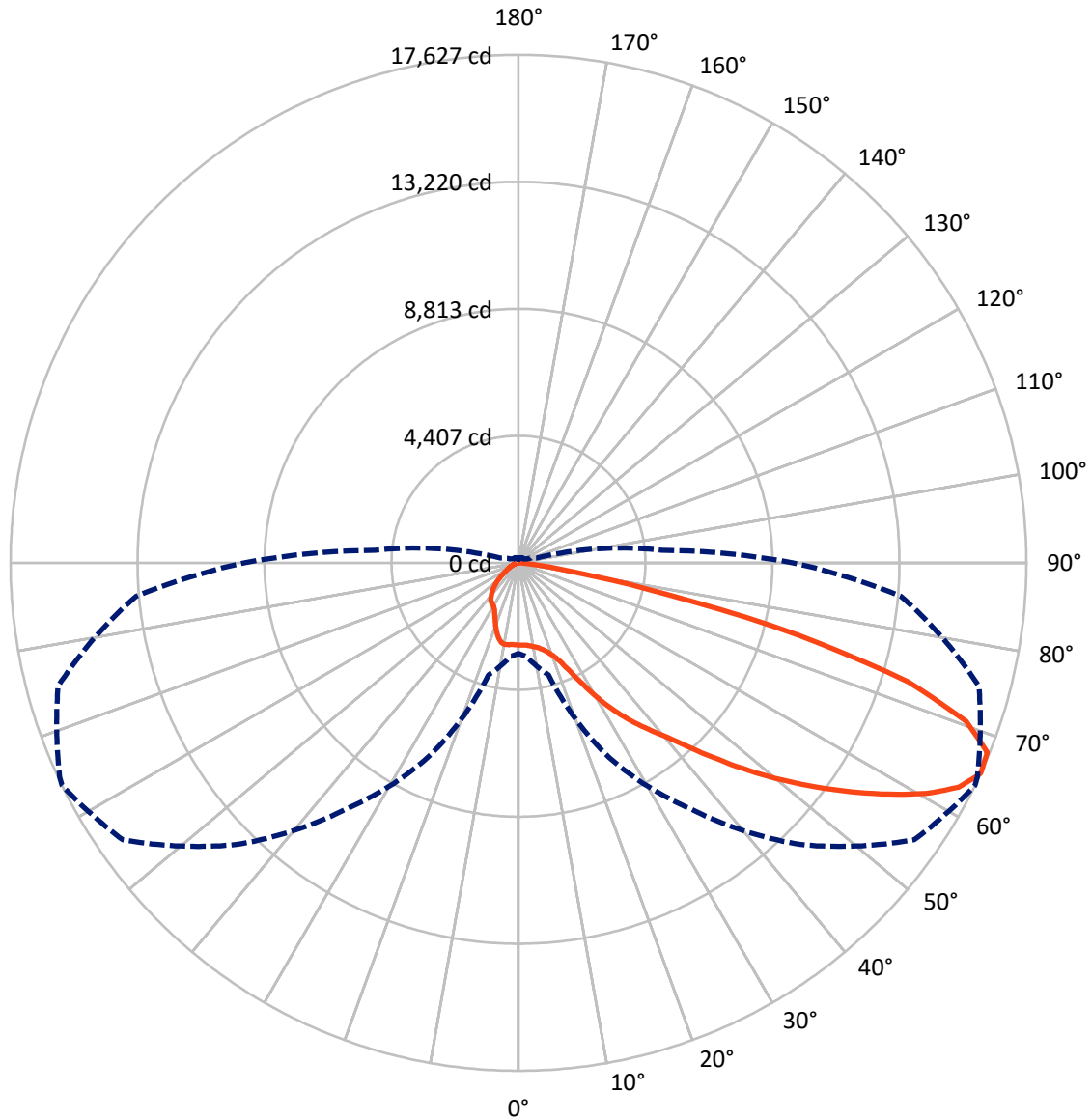
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3284.4	0.0	3284.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	21275.6	0.0	21275.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	24560.0	0.0	24560.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.5	1.1
10°-20°	714.8	2.9
20°-30°	1354.5	5.5
30°-40°	2740.9	11.2
40°-50°	4669.2	19.0
50°-60°	6349.7	25.9
60°-70°	5962.7	24.3
70°-80°	2388.9	9.7
80°-90°	115.7	0.5
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°	24560.0	100.0
0°-180°	24560.0	100.0

Coefficient of Utilization



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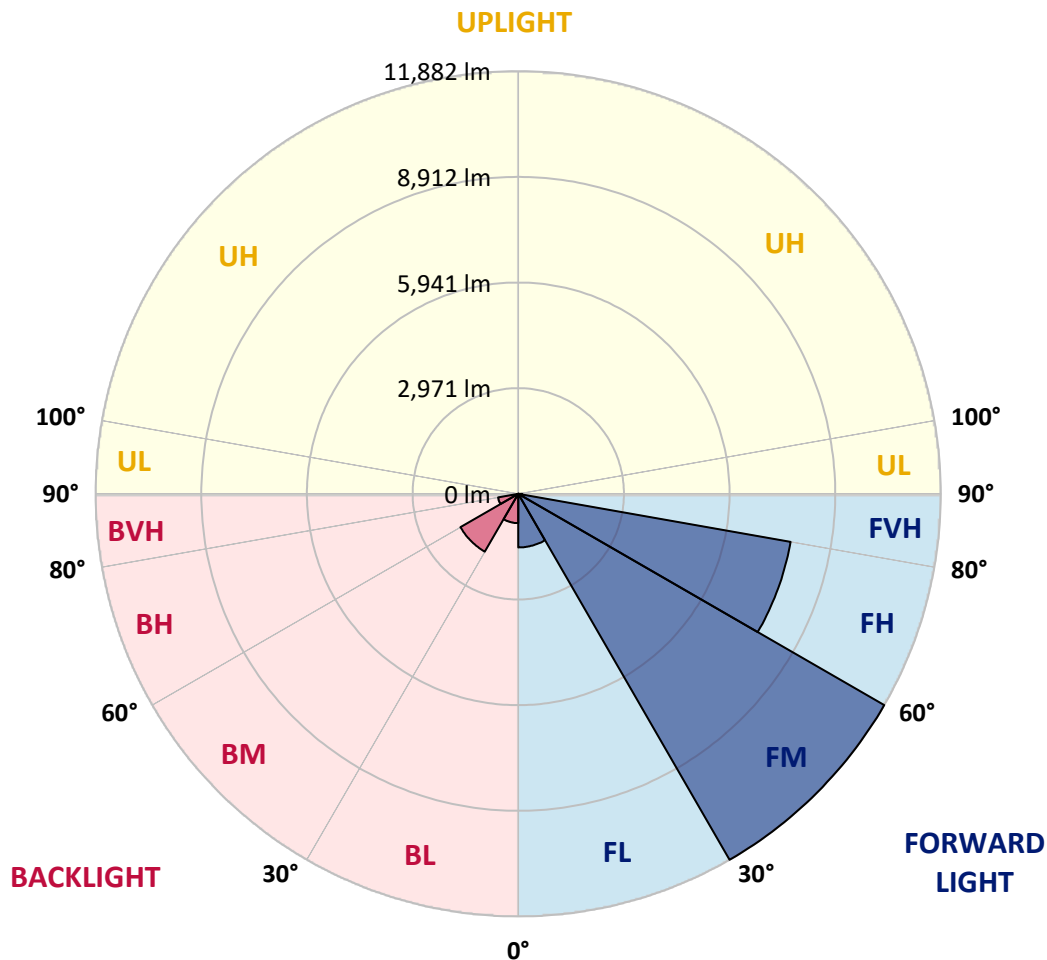
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1508.3	6.1			
FM	(30°-60°)	11882.1	48.4			
FH	(60°-80°)	7775.1	31.7			G4/12000
FVH	(80°-90°)	110.1	0.4			G2/225
BL	(0°-30°)	824.6	3.4	B2/1000		
BM	(30°-60°)	1877.7	7.6	B2/2500		
BH	(60°-80°)	576.5	2.3	B2/1000		G2/1000
BVH	(80°-90°)	5.7	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2856.6	2856.6	2856.6	2856.6	2856.6	2856.6	2856.6	2856.6	2856.6	2856.6
2.5°	2846.7	2866.5	2861.5	2856.6	2854.9	2858.2	2859.9	2858.2	2858.2	2858.2
5°	2792.4	2808.8	2808.8	2820.4	2836.8	2856.6	2871.4	2874.7	2878.0	2882.9
7.5°	2688.6	2701.8	2711.7	2749.6	2790.7	2843.4	2887.9	2910.9	2914.2	2932.3
10°	2617.8	2634.3	2650.8	2690.3	2749.6	2828.6	2904.3	2960.3	2968.5	3011.3
12.5°	2614.6	2631.0	2652.4	2695.2	2764.4	2848.4	2940.6	3021.2	3036.0	3098.6
15°	2649.1	2668.9	2688.6	2741.3	2815.4	2917.5	3016.3	3116.7	3131.5	3220.4
17.5°	2719.9	2746.3	2761.1	2813.8	2892.8	3006.4	3136.5	3251.7	3264.9	3368.6
20°	2859.9	2891.2	2896.1	2938.9	3016.3	3138.1	3292.9	3436.1	3452.6	3571.1
22.5°	3149.7	3194.1	3154.6	3176.0	3245.1	3367.0	3534.9	3716.0	3739.1	3874.1
25°	3660.0	3722.6	3620.5	3584.3	3613.9	3740.7	3951.5	4180.3	4206.7	4315.3
27.5°	4662.7	4582.1	4427.3	4275.8	4186.9	4259.4	4496.4	4779.6	4812.6	4917.9
30°	5764.2	5693.4	5484.3	5148.4	4937.7	4926.2	5145.1	5461.3	5499.1	5599.6
32.5°	6867.3	6799.8	6572.6	6159.4	5793.8	5612.7	5764.2	6114.9	6134.7	6198.9
35°	7952.3	7883.2	7656.0	7232.8	6783.4	6371.7	6342.1	6737.3	6743.8	6811.3
37.5°	9043.9	8986.3	8744.3	8329.4	7886.5	7318.5	7043.5	7326.7	7334.9	7400.8
40°	9822.7	9847.4	9681.1	9360.0	8979.7	8359.0	7830.5	7954.0	7904.6	8014.9
42.5°	10491.2	10540.5	10395.7	10234.3	10013.7	9467.1	8805.2	8783.8	8704.8	8764.0
45°	11069.1	11110.2	10980.1	10942.3	10937.3	10553.7	9870.4	9742.0	9631.7	9620.2
47.5°	11281.4	11360.5	11416.5	11543.2	11790.2	11628.8	10971.9	10772.7	10649.2	10558.7
50°	11362.1	11446.1	11637.1	12005.9	12590.4	12659.5	12068.4	11844.5	11693.1	11528.4
52.5°	11253.5	11403.3	11660.1	12280.8	13128.8	13486.0	13120.5	12924.6	12751.7	12483.4
55°	10613.0	10762.8	11288.0	12277.5	13397.1	14065.6	14115.0	14027.7	13833.4	13410.3
57.5°	9262.9	9485.2	10316.6	11859.3	13392.2	14564.5	15089.7	15152.2	14934.9	14329.0
60°	7392.5	7693.8	8708.1	10932.4	12978.9	14834.5	15944.2	16257.0	16026.5	15234.6
62.5°	5158.3	5507.4	6467.2	9480.2	12033.9	14640.2	16568.2	17146.1	16971.6	16044.6
65°	3146.4	3258.3	4032.1	7460.0	10426.9	13826.8	16760.8	17626.8	17569.2	16540.2
67.5°	2095.9	2189.8	2412.0	5115.5	8093.9	12201.8	16299.8	17542.9	17559.3	16459.5
70°	1262.8	1343.5	1488.4	2975.1	5245.6	9658.0	14872.3	16472.7	16568.2	15381.1
72.5°	520.3	574.6	706.3	1348.4	2716.6	6129.7	11842.9	14143.0	14365.2	12932.8
75°	294.7	322.7	414.9	676.7	1178.9	2856.6	7173.6	10040.0	10367.7	8913.9
77.5°	195.9	209.1	268.4	438.0	663.5	974.7	3065.7	5230.8	5856.4	4868.5
80°	131.7	143.2	184.4	293.1	431.4	418.2	976.3	1937.9	2384.1	1672.8
82.5°	88.9	90.6	131.7	192.6	273.3	202.5	288.1	602.6	757.4	484.1
85°	51.0	49.4	97.1	112.0	121.8	84.0	87.3	181.1	237.1	204.2
87.5°	6.6	9.9	37.9	29.6	16.5	18.1	18.1	31.3	46.1	49.4
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°
2856.6	0°	2856.6	2856.6	2856.6	2856.6	2856.6	2856.6	2856.6	2856.6	2856.6	2856.6
2859.9	2.5°	2859.9	2858.2	2853.3	2848.4	2836.8	2830.2	2833.5	2830.2	2828.6	2830.2
2881.3	5°	2881.3	2876.3	2863.2	2846.7	2823.7	2795.7	2777.6	2751.2	2726.5	2711.7
2938.9	7.5°	2938.9	2934.0	2915.9	2869.8	2795.7	2678.8	2571.7	2477.9	2407.1	2365.9
3031.1	10°	3031.1	3022.9	2994.9	2892.8	2698.5	2443.3	2230.9	2054.8	1939.5	1885.2
3139.8	12.5°	3139.8	3129.9	3080.5	2871.4	2514.1	2115.7	1822.6	1626.7	1519.7	1471.9
3264.9	15°	3268.2	3255.0	3157.9	2769.3	2245.8	1753.5	1485.1	1338.6	1269.4	1226.6
3424.6	17.5°	3427.9	3404.8	3215.5	2616.2	1954.3	1476.9	1277.6	1167.3	1106.4	1065.3
3633.7	20°	3635.4	3597.5	3261.6	2433.4	1686.0	1302.3	1137.7	1045.5	999.4	963.2
3930.1	22.5°	3925.1	3870.8	3317.6	2235.9	1496.6	1182.1	1034.0	966.5	928.6	887.4
4343.3	25°	4284.1	4219.8	3386.7	2053.1	1366.5	1078.4	958.2	902.3	857.8	810.1
4885.0	27.5°	4786.2	4671.0	3469.1	1903.3	1254.6	989.5	889.1	826.5	775.5	736.0
5499.1	30°	5346.0	5156.7	3541.5	1812.7	1152.5	907.2	798.5	736.0	688.2	660.2
6050.7	32.5°	5876.2	5619.3	3589.3	1773.2	1060.3	813.3	699.7	632.2	596.0	587.8
6590.7	35°	6376.7	6037.5	3584.3	1735.4	978.0	719.5	602.6	533.4	505.5	510.4
7171.9	37.5°	6952.9	6483.7	3549.7	1676.1	910.5	633.9	518.6	457.7	433.0	434.7
7878.2	40°	7623.0	6999.0	3528.3	1564.1	836.4	554.9	449.5	400.1	382.0	375.4
8622.4	42.5°	8337.6	7497.9	3531.6	1437.3	744.2	484.1	401.7	360.6	344.1	339.2
9450.6	45°	9055.5	7973.7	3536.6	1305.6	647.1	429.7	367.2	332.6	322.7	316.1
10290.3	47.5°	9730.5	8378.8	3444.4	1164.0	551.6	388.6	339.2	316.1	307.9	299.7
11133.3	50°	10359.4	8648.8	3222.1	999.4	475.8	355.6	317.8	301.3	293.1	284.8
11897.2	52.5°	10848.4	8691.6	2854.9	829.8	423.1	330.9	304.6	289.8	279.9	271.7
12514.6	55°	11065.8	8423.2	2333.0	671.7	382.0	309.5	291.4	276.6	265.1	256.8
13000.3	57.5°	11009.8	7858.5	1819.3	540.0	342.5	288.1	275.0	265.1	251.9	238.7
13393.8	60°	10734.8	7102.8	1371.5	449.5	306.2	265.1	256.8	248.6	230.5	210.7
13545.3	62.5°	10259.0	6152.8	978.0	372.1	266.7	238.7	235.4	228.9	202.5	166.3
13321.4	65°	9531.3	4998.6	658.6	309.5	228.9	209.1	210.7	199.2	164.6	123.5
12501.5	67.5°	8467.7	3655.1	421.5	253.6	191.0	174.5	176.2	169.6	139.9	105.4
10947.2	70°	7112.6	2420.3	275.0	192.6	153.1	135.0	144.9	146.5	118.5	85.6
8401.8	72.5°	5214.3	1429.1	192.6	143.2	112.0	93.8	118.5	121.8	95.5	64.2
5054.6	75°	2971.8	678.3	144.9	103.7	69.2	65.9	92.2	92.2	65.9	42.8
2188.1	77.5°	1248.0	283.2	102.1	67.5	39.5	37.9	62.6	57.6	32.9	19.8
533.4	80°	360.6	126.8	54.3	32.9	16.5	14.8	24.7	18.1	8.2	3.3
202.5	82.5°	141.6	56.0	21.4	13.2	6.6	6.6	3.3	0.0	0.0	0.0
115.3	85°	84.0	23.1	9.9	4.9	1.6	0.0	0.0	0.0	0.0	0.0
24.7	87.5°	21.4	4.9	3.3	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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2856.6
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592.7
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