

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: P847905

Luminaire Tested: **GLAN-SB4B-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847905
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-SB4B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA 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: 12887 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

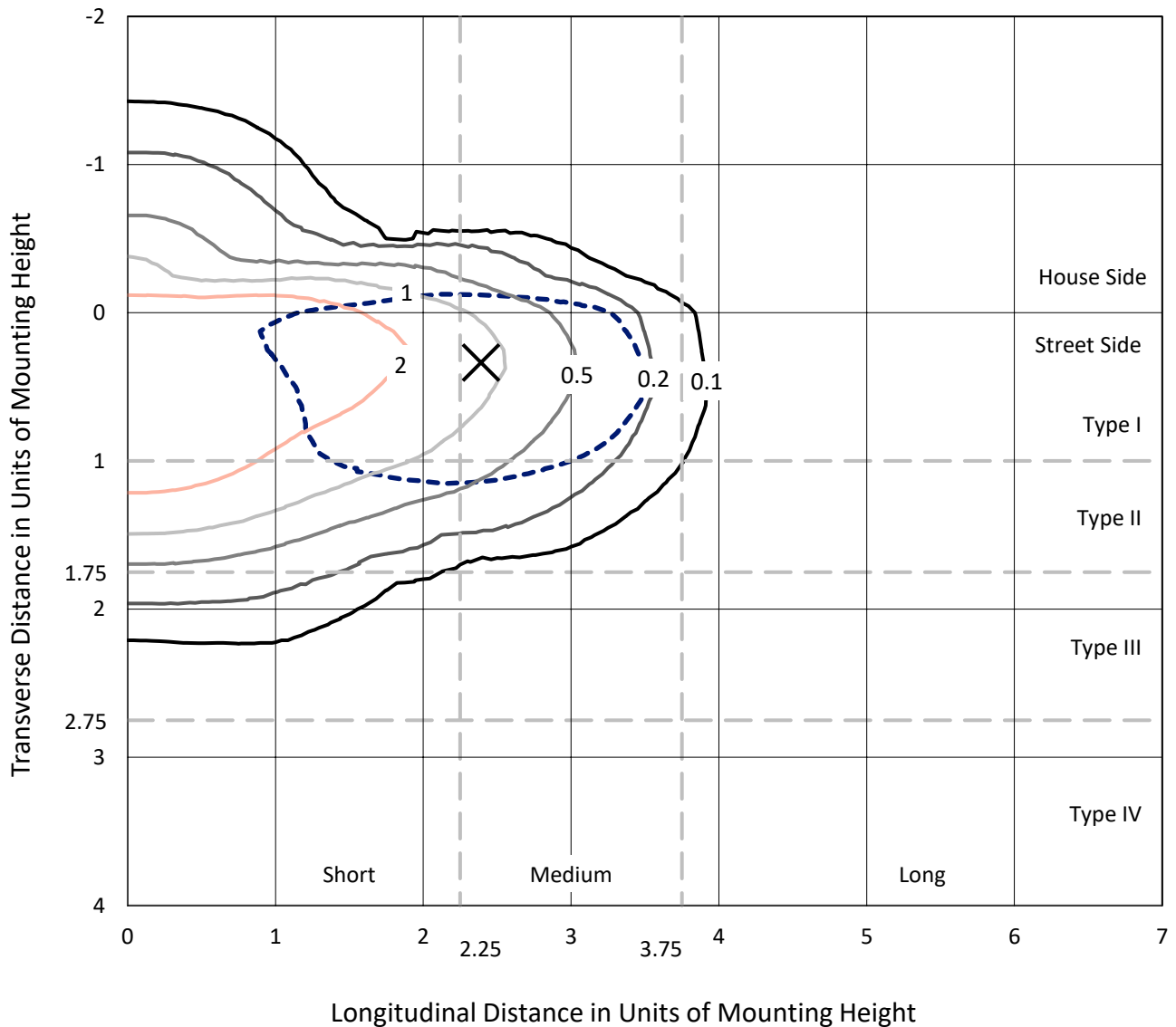
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

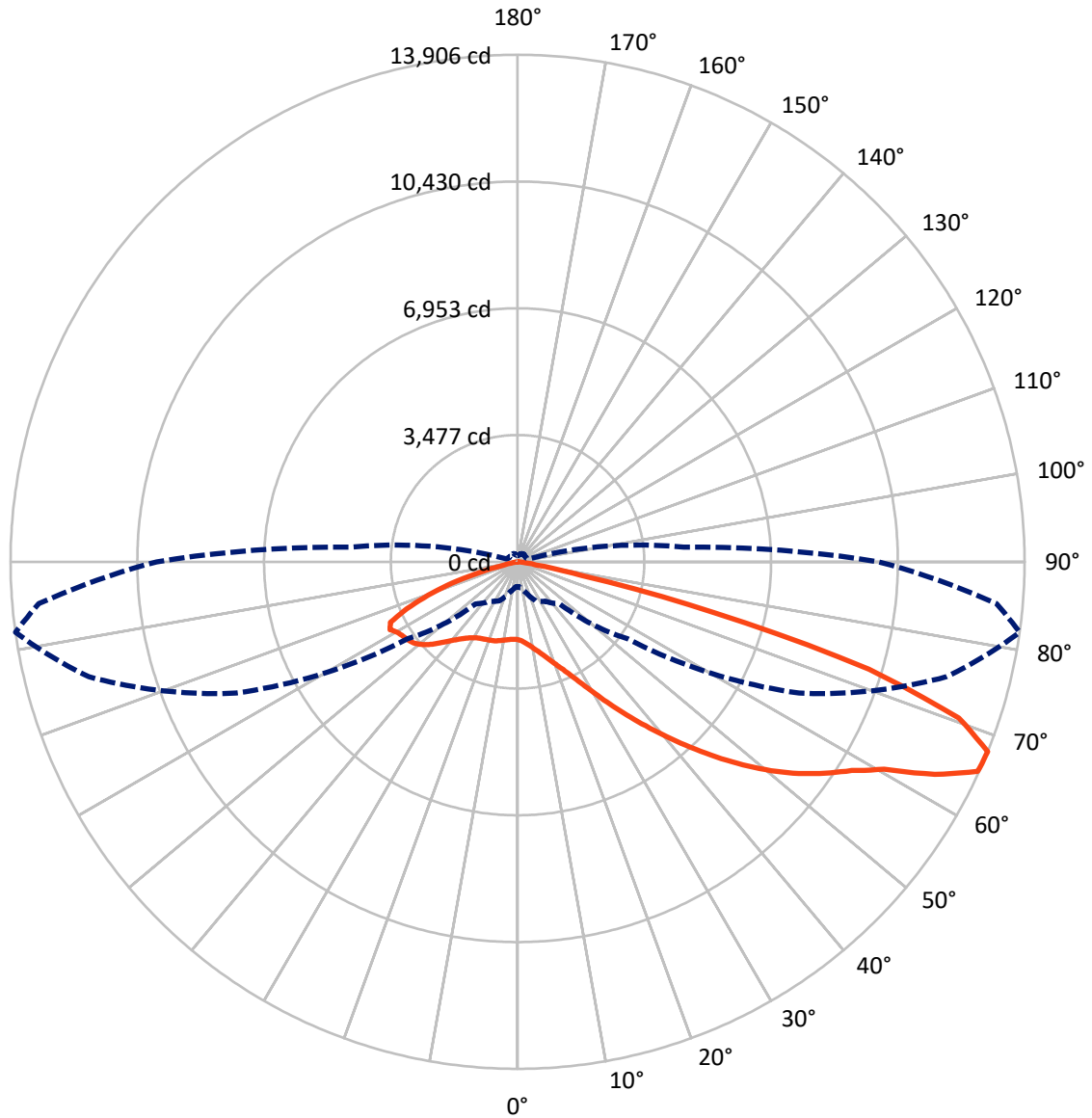
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	2334.4	0.0	2334.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10552.6	0.0	10552.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	12887.0	0.0	12887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.2	1.5
10°-20°	494.3	3.8
20°-30°	791.7	6.1
30°-40°	1399.9	10.9
40°-50°	2452.8	19.0
50°-60°	3271.3	25.4
60°-70°	3045.4	23.6
70°-80°	1168.8	9.1
80°-90°	72.6	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°	12887.0	100.0
0°-180°	12887.0	100.0

Coefficient of Utilization

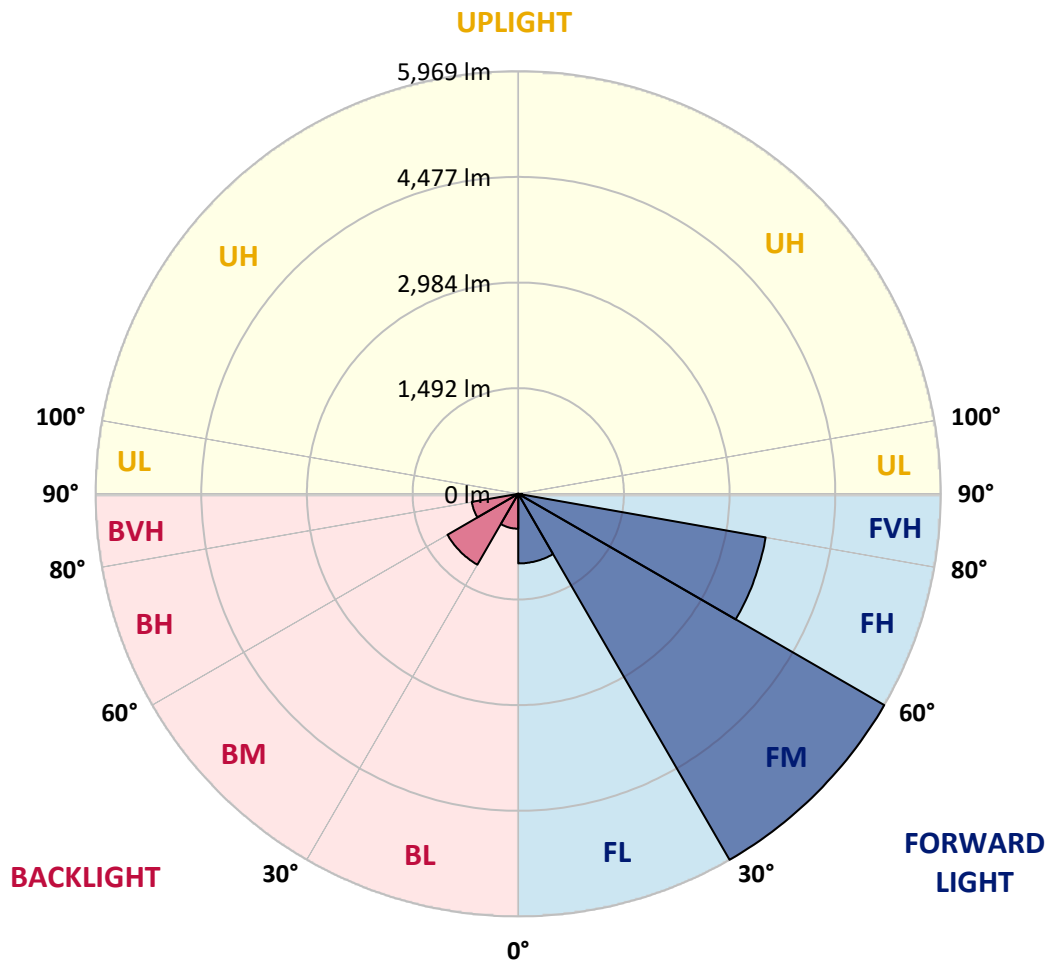


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	983.1	7.6			
FM (30°-60°)	5968.7	46.3			
FH (60°-80°)	3548.0	27.5			G2/5000
FVH (80°-90°)	52.8	0.4			G1/100
BL (0°-30°)	493.0	3.8	B1/500		
BM (30°-60°)	1155.3	9.0	B2/2500		
BH (60°-80°)	666.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	19.8	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°	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9
2.5°	2256.5	2269.5	2262.1	2258.3	2251.8	2242.6	2235.1	2211.9	2187.8	2172.1
5°	2301.9	2314.9	2314.0	2317.7	2322.4	2325.1	2323.3	2297.3	2263.0	2236.1
7.5°	2263.0	2277.8	2289.9	2308.4	2340.9	2375.2	2391.9	2386.4	2351.1	2314.0
10°	2152.6	2168.3	2197.1	2240.7	2309.4	2383.6	2445.8	2474.5	2452.3	2411.4
12.5°	1950.3	1966.1	2022.7	2117.3	2232.4	2361.3	2480.1	2557.1	2562.7	2521.8
15°	1723.0	1738.8	1799.1	1917.8	2093.2	2300.1	2498.6	2644.3	2693.5	2658.2
17.5°	1582.0	1595.9	1641.3	1736.9	1919.7	2177.6	2492.2	2737.1	2849.4	2821.5
20°	1539.3	1551.3	1572.7	1639.5	1791.6	2050.5	2449.5	2824.3	3017.3	3001.5
22.5°	1584.7	1595.9	1602.4	1632.1	1727.6	1967.0	2395.7	2913.4	3212.2	3214.0
25°	1689.6	1700.7	1693.3	1711.8	1753.6	1941.0	2375.2	3018.2	3457.1	3477.5
27.5°	1862.2	1863.1	1845.5	1844.5	1851.0	1980.0	2396.6	3130.5	3766.1	3804.1
30°	2208.2	2194.3	2126.6	2053.3	2019.9	2096.9	2456.0	3263.2	4130.7	4198.4
32.5°	2741.7	2721.3	2597.0	2421.6	2245.4	2285.2	2562.7	3414.4	4527.8	4650.3
35°	3320.7	3315.1	3185.2	2924.5	2616.5	2553.4	2736.2	3613.0	4961.1	5156.0
37.5°	3858.9	3856.1	3781.8	3474.7	3099.9	2927.3	3014.5	3872.8	5425.0	5707.1
40°	4350.6	4359.0	4284.7	4010.1	3632.5	3407.0	3393.1	4193.8	5940.9	6307.4
42.5°	4775.5	4784.8	4709.7	4506.5	4158.5	3937.7	3857.9	4587.2	6444.7	6952.2
45°	5064.1	5121.6	5110.5	4948.1	4698.5	4469.4	4416.5	5080.8	7019.0	7636.1
47.5°	5145.8	5198.6	5282.1	5304.4	5152.2	4926.8	4989.9	5675.5	7599.9	8320.8
50°	4944.4	4993.6	5167.1	5398.1	5503.9	5434.3	5547.5	6313.0	8194.6	9003.7
52.5°	4547.3	4597.4	4816.4	5181.9	5613.4	5832.3	6107.0	6941.1	8770.8	9650.4
55°	3973.0	4025.9	4307.0	4720.8	5404.6	5996.6	6573.7	7568.3	9298.7	10232.1
57.5°	3191.7	3230.7	3523.0	4101.9	4879.5	5833.3	6917.9	8253.1	9796.0	10803.7
60°	2080.2	2114.5	2454.1	3099.9	4009.2	5287.7	6986.6	9016.7	10456.7	11546.9
62.5°	1383.4	1406.6	1607.9	2082.1	2823.4	4240.2	6584.8	9626.2	11425.3	12840.3
65°	949.2	972.4	1173.7	1504.0	1824.1	2804.8	5429.7	9545.5	12303.0	13867.4
67.5°	677.3	696.8	867.5	1179.3	1320.3	1629.3	3680.7	8513.8	12176.9	13906.3
70°	485.3	496.4	637.4	918.6	1049.4	978.9	2046.8	6511.5	10661.7	12841.2
72.5°	339.6	343.3	442.6	699.6	845.3	714.4	974.2	4341.3	8063.8	10079.0
75°	230.1	234.7	297.8	513.1	678.2	545.6	515.9	2327.9	4733.8	5579.0
77.5°	141.0	142.9	192.1	350.7	507.5	415.7	332.2	986.3	1831.5	1798.1
80°	79.8	79.8	122.5	218.0	346.1	268.1	232.9	419.4	579.9	509.4
82.5°	44.5	45.5	89.1	135.5	229.2	158.7	128.0	193.9	250.5	221.8
85°	18.6	20.4	54.7	64.0	109.5	78.9	52.0	81.6	92.8	82.6
87.5°	1.9	2.8	16.7	12.1	13.0	15.8	7.4	15.8	13.0	13.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2134.9	0°	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9	2134.9
2166.5	2.5°	2148.9	2134.9	2099.7	2058.9	2005.0	1979.1	1943.8	1919.7	1899.3	1901.1
2220.3	5°	2190.6	2155.4	2076.5	1978.1	1855.7	1768.4	1675.7	1611.6	1559.7	1548.6
2294.5	7.5°	2248.1	2192.5	2054.2	1877.0	1670.1	1513.3	1373.2	1283.2	1219.2	1198.8
2384.5	10°	2322.4	2241.6	2025.5	1749.9	1452.1	1252.6	1102.3	1031.7	988.1	973.3
2490.3	12.5°	2408.7	2298.2	1987.4	1594.9	1227.5	1035.5	939.9	904.6	890.7	886.1
2620.2	15°	2517.2	2368.8	1929.9	1411.2	1037.3	902.8	862.0	857.3	859.2	857.3
2776.1	17.5°	2646.2	2445.8	1836.2	1222.0	909.3	835.0	820.2	823.9	828.6	827.6
2950.5	20°	2787.2	2521.8	1716.5	1054.0	822.1	786.8	778.5	782.2	785.9	784.0
3151.8	22.5°	2947.7	2603.5	1583.8	923.2	763.6	742.3	733.0	733.9	733.9	730.2
3407.0	25°	3139.8	2693.5	1444.6	830.4	719.1	702.4	691.2	687.5	682.0	670.8
3716.9	27.5°	3369.0	2789.1	1311.0	765.5	683.8	668.0	655.0	645.8	631.9	613.3
4089.0	30°	3626.9	2905.0	1197.8	724.6	656.0	640.2	625.4	611.4	591.0	567.8
4516.7	32.5°	3930.3	3029.4	1115.3	697.7	630.9	614.2	596.6	579.9	557.6	534.4
4997.3	35°	4292.1	3179.7	1067.0	679.2	611.4	589.2	569.7	551.1	534.4	514.0
5519.7	37.5°	4684.6	3339.3	1052.2	669.9	598.5	564.1	541.9	528.9	527.0	514.9
6084.7	40°	5114.2	3528.5	1063.3	664.3	584.5	540.0	515.9	513.1	517.7	496.4
6688.7	42.5°	5568.8	3753.1	1081.9	657.8	565.0	515.9	492.7	492.7	489.0	459.3
7327.1	45°	6060.6	4011.9	1100.4	642.1	541.9	491.8	474.1	467.6	451.9	423.1
7969.1	47.5°	6556.1	4275.4	1114.3	613.3	514.0	471.3	455.6	440.7	417.5	391.5
8599.1	50°	7026.5	4512.0	1099.5	570.6	482.5	451.9	435.2	414.7	389.7	372.1
9195.7	52.5°	7446.8	4717.1	1036.4	520.5	449.1	431.4	416.6	395.3	374.8	356.3
9733.9	55°	7812.3	4883.2	925.0	473.2	419.4	413.8	399.0	372.1	344.2	328.5
10267.4	57.5°	8163.1	5009.4	785.9	434.2	392.5	394.3	372.1	347.9	322.0	305.3
10986.5	60°	8629.8	5178.2	644.8	398.0	363.7	369.3	345.2	327.5	295.1	273.7
12219.5	62.5°	9375.7	5440.8	512.2	353.5	330.3	332.2	322.0	300.6	261.6	236.6
13133.5	65°	9967.7	5344.3	403.6	305.3	292.3	295.1	295.1	271.9	230.1	201.3
13182.6	67.5°	9900.9	4576.1	322.0	257.9	256.1	257.9	264.4	244.9	204.1	180.9
12178.7	70°	9120.6	3639.9	257.9	214.3	222.7	218.0	236.6	223.6	183.7	160.5
9441.6	72.5°	7442.1	2622.1	196.7	177.2	170.7	178.1	213.4	201.3	153.1	127.1
5001.0	75°	4348.7	1399.2	146.6	140.1	123.4	148.5	189.3	171.6	116.9	93.7
1532.8	77.5°	1415.9	488.0	107.6	103.0	91.9	119.7	161.4	144.7	95.6	74.2
449.1	80°	379.5	147.5	73.3	67.7	59.4	89.1	128.0	115.1	68.7	48.2
193.0	82.5°	152.2	62.2	42.7	38.0	32.5	61.2	101.1	92.8	51.0	30.6
60.3	85°	49.2	20.4	15.8	12.1	14.8	38.0	60.3	63.1	36.2	15.8
9.3	87.5°	6.5	2.8	2.8	3.7	2.8	6.5	18.6	17.6	10.2	1.9
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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2134.9
1882.6
1523.5
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611.4
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535.4
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