

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: P847255

Luminaire Tested: **GLAN-SB3B-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847255
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-SB3B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 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: 12107 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

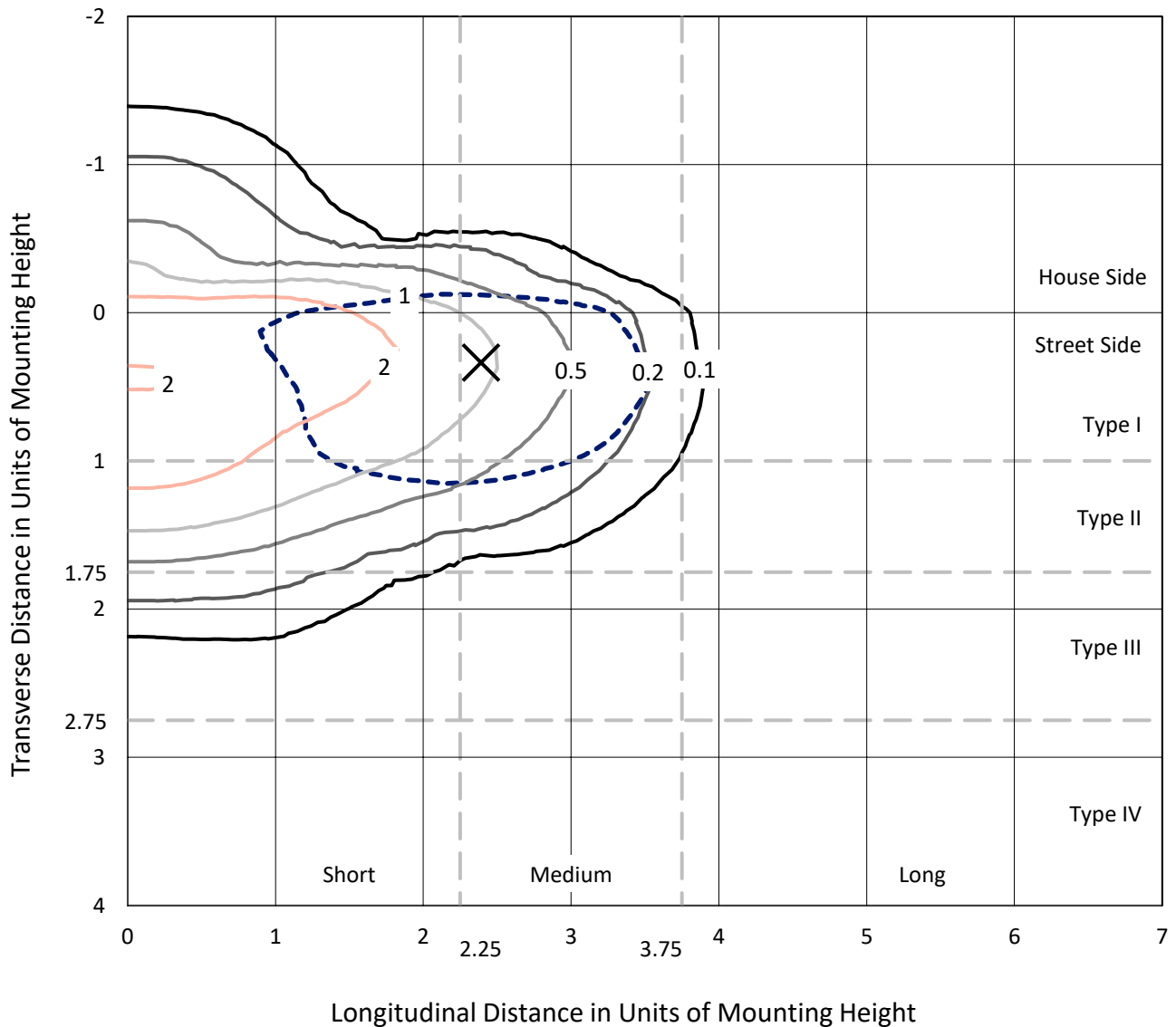
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

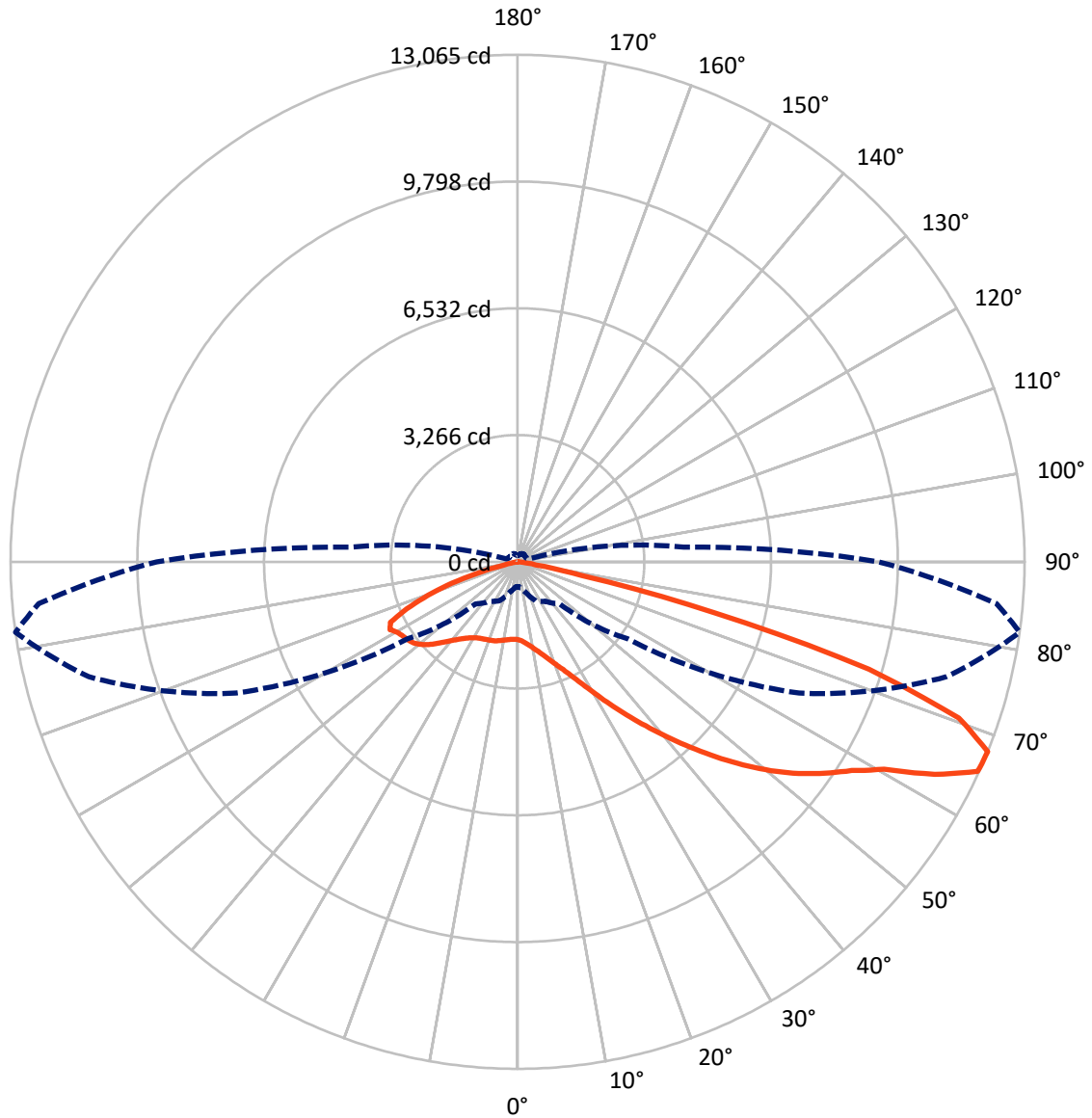
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	2193.1	0.0	2193.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	9913.9	0.0	9913.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	12107.0	0.0	12107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	1.5
10°-20°	464.4	3.8
20°-30°	743.7	6.1
30°-40°	1315.2	10.9
40°-50°	2304.3	19.0
50°-60°	3073.3	25.4
60°-70°	2861.1	23.6
70°-80°	1098.1	9.1
80°-90°	68.2	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°	12107.0	100.0
0°-180°	12107.0	100.0

Coefficient of Utilization

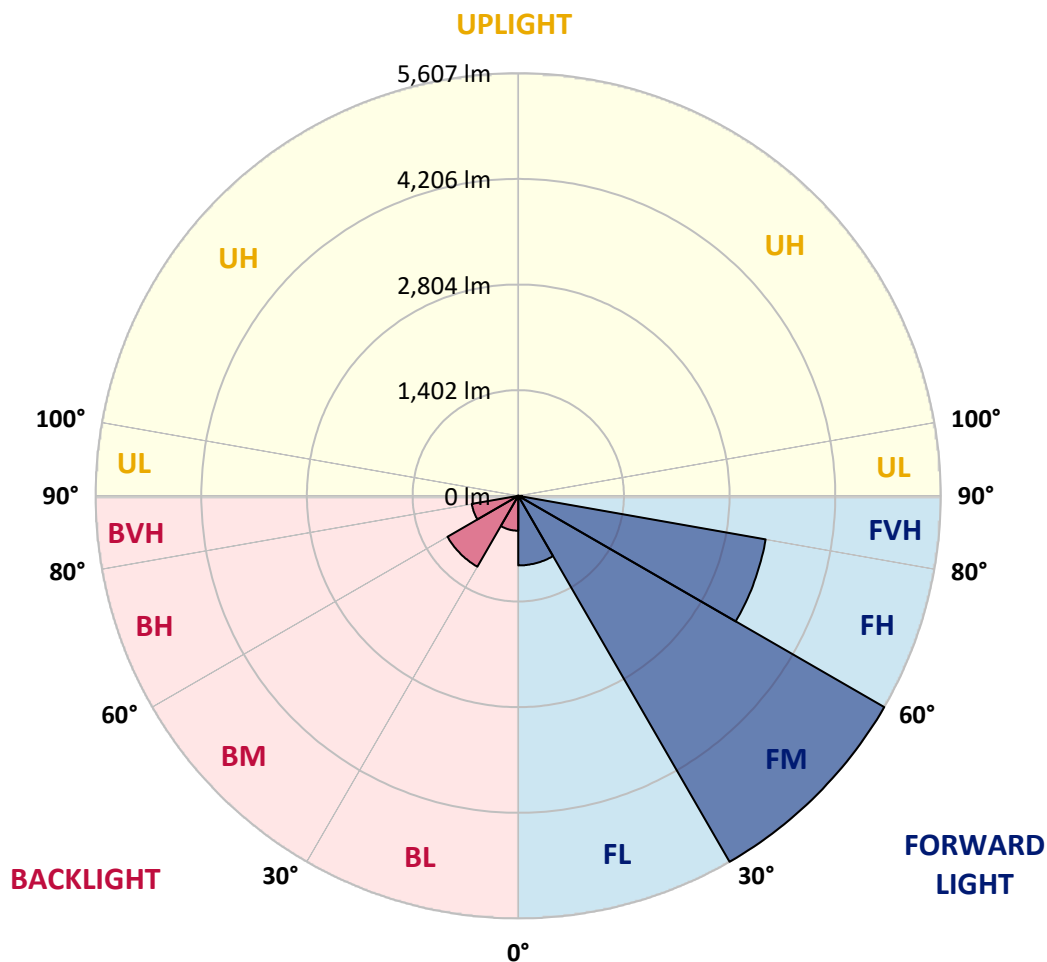


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	923.6	7.6			
FM (30°-60°)	5607.5	46.3			
FH (60°-80°)	3333.2	27.5			G2/5000
FVH (80°-90°)	49.6	0.4			G1/100
BL (0°-30°)	463.2	3.8	B1/500		
BM (30°-60°)	1085.3	9.0	B2/2500		
BH (60°-80°)	625.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	18.6	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°	2005.7	2005.7	2005.7	2005.7	2005.7	2005.7	2005.7	2005.7	2005.7	2005.7
2.5°	2119.9	2132.1	2125.1	2121.7	2115.6	2106.8	2099.9	2078.1	2055.4	2040.6
5°	2162.6	2174.8	2174.0	2177.4	2181.8	2184.4	2182.7	2158.3	2126.0	2100.7
7.5°	2126.0	2140.0	2151.3	2168.7	2199.2	2231.5	2247.2	2241.9	2208.8	2174.0
10°	2022.3	2037.1	2064.1	2105.1	2169.6	2239.3	2297.7	2324.8	2303.8	2265.5
12.5°	1832.3	1847.1	1900.2	1989.2	2097.2	2218.4	2330.0	2402.3	2407.6	2369.2
15°	1618.7	1633.5	1690.2	1801.7	1966.5	2160.9	2347.4	2484.3	2530.5	2497.3
17.5°	1486.2	1499.3	1542.0	1631.8	1803.5	2045.8	2341.3	2571.4	2676.9	2650.8
20°	1446.1	1457.4	1477.5	1540.2	1683.2	1926.4	2301.2	2653.4	2834.7	2819.9
22.5°	1488.8	1499.3	1505.4	1533.3	1623.1	1847.9	2250.7	2737.1	3017.7	3019.5
25°	1587.3	1597.8	1590.8	1608.2	1647.5	1823.5	2231.5	2835.6	3247.9	3267.0
27.5°	1749.4	1750.3	1733.8	1732.9	1739.0	1860.2	2251.5	2941.0	3538.1	3573.9
30°	2074.6	2061.5	1997.9	1929.0	1897.6	1970.0	2307.3	3065.7	3880.7	3944.3
32.5°	2575.8	2556.6	2439.8	2275.1	2109.4	2146.9	2407.6	3207.8	4253.8	4368.8
35°	3119.7	3114.5	2992.5	2747.5	2458.1	2398.8	2570.6	3394.3	4660.8	4843.9
37.5°	3625.3	3622.7	3552.9	3264.4	2912.3	2750.1	2832.1	3638.4	5096.7	5361.7
40°	4087.3	4095.1	4025.4	3767.4	3412.6	3200.8	3187.7	3940.0	5581.3	5925.6
42.5°	4486.5	4495.2	4424.6	4233.7	3906.8	3699.4	3624.4	4309.6	6054.6	6531.4
45°	4757.6	4811.6	4801.2	4648.6	4414.2	4198.9	4149.2	4773.3	6594.2	7173.9
47.5°	4834.3	4884.0	4962.4	4983.4	4840.4	4628.6	4687.9	5332.0	7139.9	7817.2
50°	4645.1	4691.3	4854.3	5071.4	5170.8	5105.4	5211.7	5930.9	7698.6	8458.7
52.5°	4272.1	4319.1	4524.9	4868.3	5273.6	5479.3	5737.4	6521.0	8239.9	9066.3
55°	3732.5	3782.2	4046.3	4435.1	5077.5	5633.6	6175.8	7110.2	8735.9	9612.8
57.5°	2998.6	3035.2	3309.7	3853.7	4584.1	5480.2	6499.2	7753.5	9203.1	10149.8
60°	1954.3	1986.5	2305.6	2912.3	3766.5	4967.7	6563.7	8470.9	9823.8	10848.0
62.5°	1299.7	1321.5	1510.6	1956.0	2652.5	3983.5	6186.3	9043.6	10733.8	12063.1
65°	891.7	913.5	1102.7	1413.0	1713.7	2635.1	5101.0	8967.8	11558.4	13028.0
67.5°	636.3	654.6	815.0	1107.9	1240.4	1530.7	3457.9	7998.5	11439.8	13064.6
70°	455.9	466.3	598.8	863.0	985.9	919.6	1922.9	6117.4	10016.4	12064.0
72.5°	319.0	322.5	415.8	657.2	794.1	671.2	915.3	4078.6	7575.7	9469.0
75°	216.2	220.5	279.8	482.0	637.2	512.5	484.7	2187.0	4447.3	5241.4
77.5°	132.5	134.2	180.4	329.5	476.8	390.5	312.1	926.6	1720.7	1689.3
80°	75.0	75.0	115.1	204.8	325.1	251.9	218.8	394.0	544.8	478.5
82.5°	41.8	42.7	83.7	127.3	215.3	149.1	120.3	182.2	235.4	208.3
85°	17.4	19.2	51.4	60.1	102.9	74.1	48.8	76.7	87.2	77.6
87.5°	1.7	2.6	15.7	11.3	12.2	14.8	7.0	14.8	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847255
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2005.7	0°	2005.7	2005.7	2005.7	2005.7	2005.7	2005.7	2005.7	2005.7	2005.7	2005.7
2035.4	2.5°	2018.8	2005.7	1972.6	1934.2	1883.7	1859.3	1826.2	1803.5	1784.3	1786.1
2085.9	5°	2058.0	2024.9	1950.8	1858.4	1743.3	1661.4	1574.2	1514.1	1465.3	1454.8
2155.6	7.5°	2112.1	2059.8	1929.9	1763.4	1569.0	1421.7	1290.1	1205.5	1145.4	1126.2
2240.2	10°	2181.8	2106.0	1902.9	1644.0	1364.2	1176.8	1035.5	969.3	928.3	914.4
2339.6	12.5°	2262.9	2159.1	1867.1	1498.4	1153.2	972.8	883.0	849.9	836.8	832.4
2461.6	15°	2364.8	2225.4	1813.1	1325.8	974.5	848.1	809.8	805.4	807.2	805.4
2608.0	17.5°	2486.0	2297.7	1725.0	1148.0	854.2	784.5	770.6	774.0	778.4	777.5
2771.9	20°	2618.5	2369.2	1612.6	990.2	772.3	739.2	731.3	734.8	738.3	736.6
2961.1	22.5°	2769.3	2445.9	1487.9	867.3	717.4	697.3	688.6	689.5	689.5	686.0
3200.8	25°	2949.7	2530.5	1357.2	780.1	675.5	659.9	649.4	645.9	640.7	630.2
3491.9	27.5°	3165.0	2620.2	1231.7	719.1	642.4	627.6	615.4	606.7	593.6	576.2
3841.5	30°	3407.4	2729.2	1125.3	680.8	616.3	601.5	587.5	574.4	555.3	533.5
4243.3	32.5°	3692.4	2846.0	1047.8	655.5	592.7	577.0	560.5	544.8	523.9	502.1
4694.8	35°	4032.4	2987.2	1002.4	638.1	574.4	553.5	535.2	517.8	502.1	482.9
5185.6	37.5°	4401.1	3137.2	988.5	629.3	562.2	530.0	509.1	496.9	495.1	483.8
5716.4	40°	4804.7	3315.0	998.9	624.1	549.2	507.3	484.7	482.0	486.4	466.3
6283.9	42.5°	5231.8	3525.9	1016.4	618.0	530.8	484.7	462.9	462.9	459.4	431.5
6883.6	45°	5693.8	3769.1	1033.8	603.2	509.1	462.0	445.4	439.3	424.5	397.5
7486.8	47.5°	6159.2	4016.7	1046.9	576.2	482.9	442.8	428.0	414.0	392.3	367.8
8078.7	50°	6601.2	4238.9	1032.9	536.1	453.3	424.5	408.8	389.6	366.1	349.5
8639.2	52.5°	6996.0	4431.6	973.7	489.0	421.9	405.3	391.4	371.3	352.2	334.7
9144.7	55°	7339.5	4587.6	869.1	444.6	394.0	388.8	374.8	349.5	323.4	308.6
9645.9	57.5°	7669.0	4706.2	738.3	407.9	368.7	370.5	349.5	326.9	302.5	286.8
10321.5	60°	8107.4	4864.8	605.8	373.9	341.7	346.9	324.3	307.7	277.2	257.1
11479.9	62.5°	8808.3	5111.5	481.2	332.1	310.3	312.1	302.5	282.4	245.8	222.3
12338.5	65°	9364.4	5020.8	379.2	286.8	274.6	277.2	277.2	255.4	216.2	189.2
12384.7	67.5°	9301.6	4299.1	302.5	242.3	240.6	242.3	248.4	230.1	191.8	170.0
11441.6	70°	8568.5	3419.6	242.3	201.4	209.2	204.8	222.3	210.1	172.6	150.8
8870.1	72.5°	6991.7	2463.3	184.8	166.5	160.4	167.4	200.5	189.2	143.8	119.4
4698.3	75°	4085.5	1314.5	137.7	131.6	115.9	139.5	177.8	161.3	109.8	88.0
1440.0	77.5°	1330.2	458.5	101.1	96.8	86.3	112.4	151.7	136.0	89.8	69.7
421.9	80°	356.5	138.6	68.9	63.6	55.8	83.7	120.3	108.1	64.5	45.3
181.3	82.5°	143.0	58.4	40.1	35.7	30.5	57.5	95.0	87.2	47.9	28.8
56.7	85°	46.2	19.2	14.8	11.3	13.9	35.7	56.7	59.3	34.0	14.8
8.7	87.5°	6.1	2.6	2.6	3.5	2.6	6.1	17.4	16.6	9.6	1.7
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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2005.7
1768.6
1431.3
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903.9
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735.7
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574.4
531.7
503.0
481.2
482.9
467.2
431.5
396.6
367.0
346.9
333.0
306.8
285.0
254.5
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186.5
166.5
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