

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: P846667

Luminaire Tested: **GLAN-SB2B-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846667
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-SB2B-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 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: 5688 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

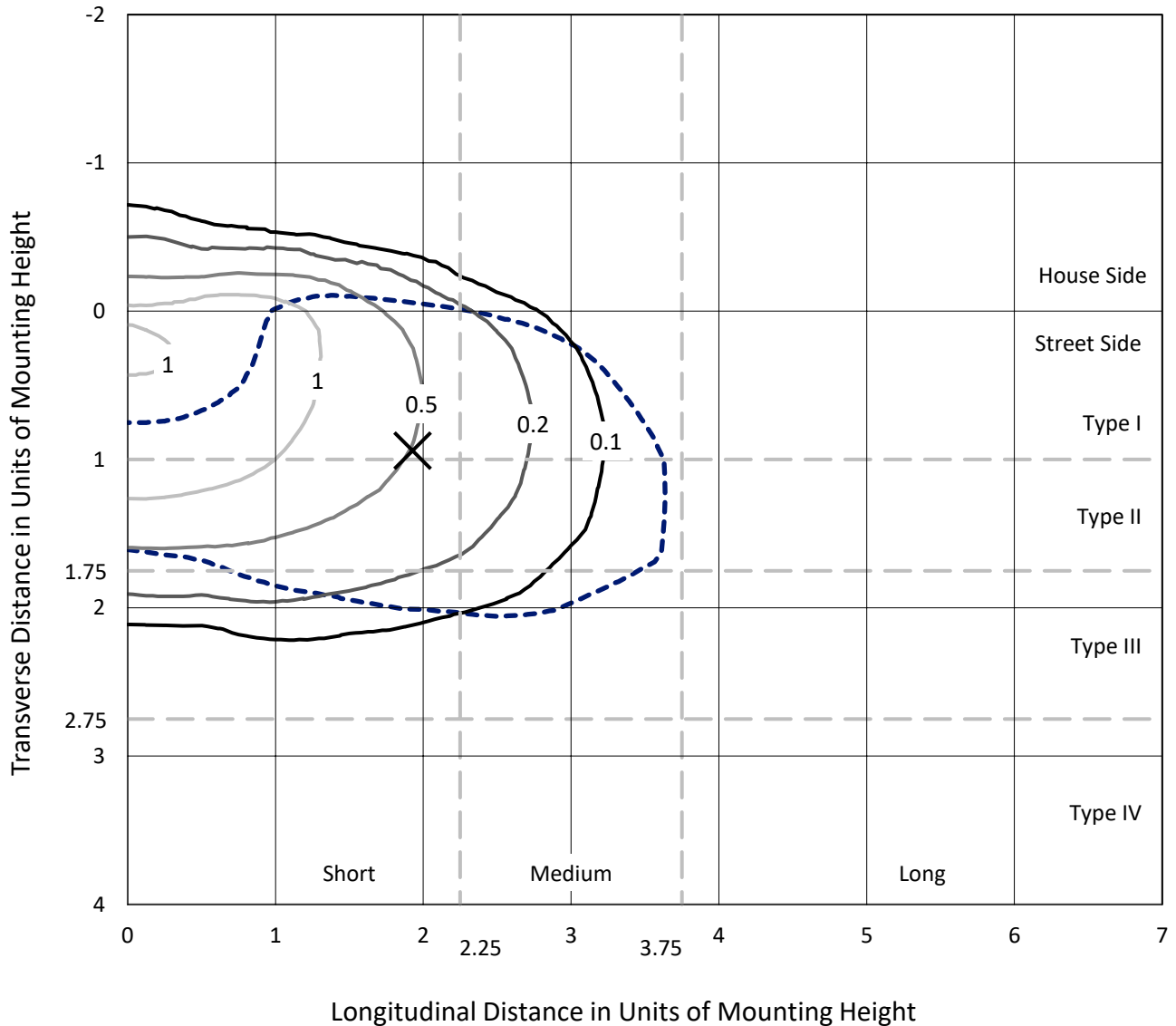
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

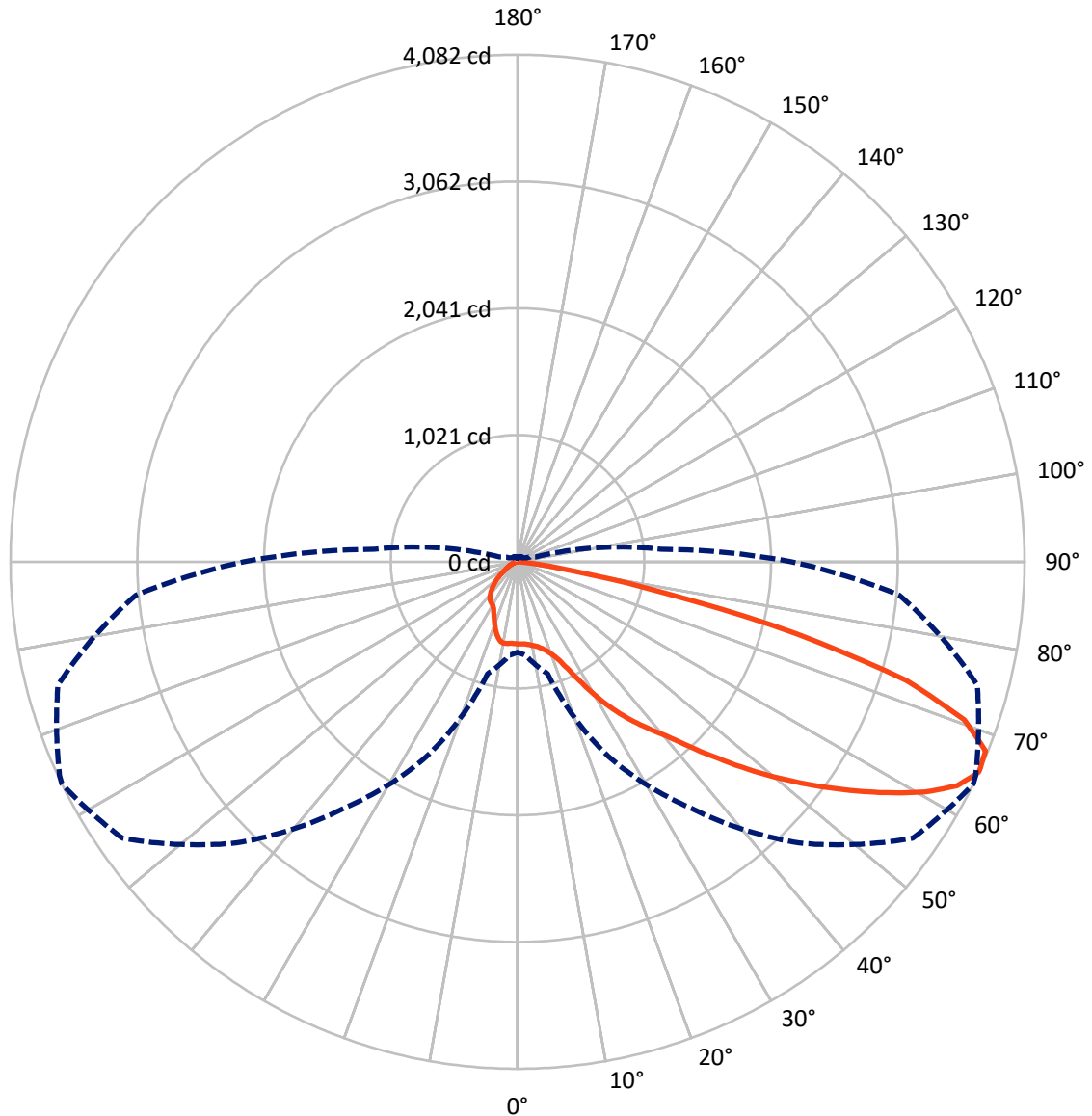
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	760.7	0.0	760.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	4927.3	0.0	4927.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	5688.0	0.0	5688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	1.1
10°-20°	165.6	2.9
20°-30°	313.7	5.5
30°-40°	634.8	11.2
40°-50°	1081.4	19.0
50°-60°	1470.6	25.9
60°-70°	1380.9	24.3
70°-80°	553.3	9.7
80°-90°	26.8	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°	5688.0	100.0
0°-180°	5688.0	100.0

Coefficient of Utilization



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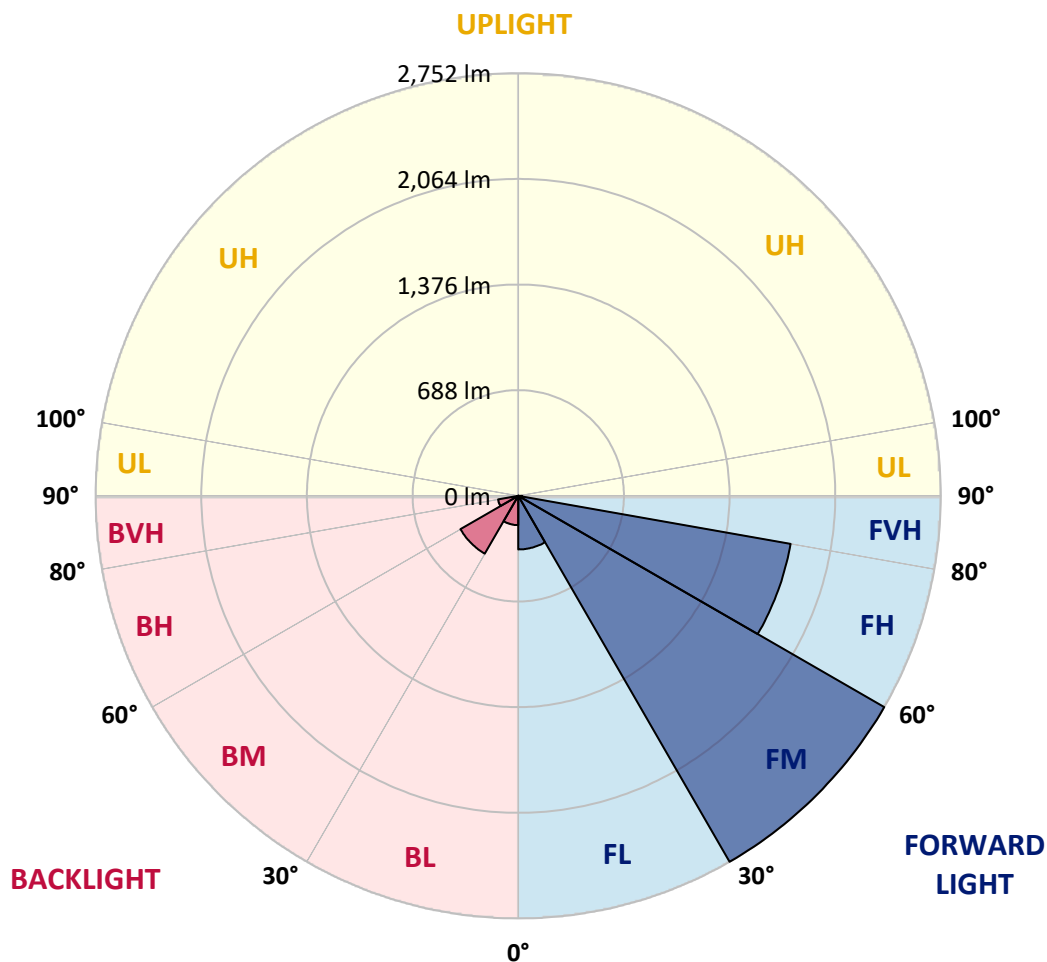
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.3	6.1			
FM (30°-60°)	2751.8	48.4			
FH (60°-80°)	1800.7	31.7			G2/5000
FVH (80°-90°)	25.5	0.4			G1/100
BL (0°-30°)	191.0	3.4	B1/500		
BM (30°-60°)	434.9	7.6	B1/1000		
BH (60°-80°)	133.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			G0/10
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°	64°	65°	75°
0°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
2.5°	659.3	663.9	662.7	661.6	661.2	662.0	662.3	662.0	662.0	662.0
5°	646.7	650.5	650.5	653.2	657.0	661.6	665.0	665.8	666.5	667.7
7.5°	622.7	625.7	628.0	636.8	646.3	658.5	668.8	674.2	674.9	679.1
10°	606.3	610.1	613.9	623.1	636.8	655.1	672.6	685.6	687.5	697.4
12.5°	605.5	609.3	614.3	624.2	640.2	659.7	681.0	699.7	703.1	717.6
15°	613.5	618.1	622.7	634.9	652.0	675.7	698.6	721.8	725.3	745.8
17.5°	629.9	636.0	639.5	651.7	670.0	696.3	726.4	753.1	756.1	780.2
20°	662.3	669.6	670.7	680.6	698.6	726.8	762.6	795.8	799.6	827.1
22.5°	729.4	739.7	730.6	735.5	751.6	779.8	818.7	860.6	866.0	897.2
25°	847.7	862.1	838.5	830.1	837.0	866.3	915.1	968.1	974.2	999.4
27.5°	1079.9	1061.2	1025.3	990.3	969.7	986.4	1041.4	1106.9	1114.6	1139.0
30°	1335.0	1318.6	1270.1	1192.4	1143.5	1140.9	1191.6	1264.8	1273.6	1296.8
32.5°	1590.4	1574.8	1522.2	1426.5	1341.8	1299.9	1335.0	1416.2	1420.8	1435.6
35°	1841.7	1825.7	1773.1	1675.1	1571.0	1475.7	1468.8	1560.3	1561.8	1577.5
37.5°	2094.5	2081.2	2025.1	1929.0	1826.5	1694.9	1631.2	1696.8	1698.7	1714.0
40°	2274.9	2280.6	2242.1	2167.7	2079.7	1935.9	1813.5	1842.1	1830.7	1856.2
42.5°	2429.7	2441.1	2407.6	2370.2	2319.1	2192.5	2039.2	2034.3	2016.0	2029.7
45°	2563.5	2573.1	2543.0	2534.2	2533.0	2444.2	2286.0	2256.2	2230.7	2228.0
47.5°	2612.7	2631.0	2644.0	2673.4	2730.6	2693.2	2541.1	2494.9	2466.3	2445.3
50°	2631.4	2650.9	2695.1	2780.5	2915.9	2931.9	2795.0	2743.1	2708.1	2669.9
52.5°	2606.3	2641.0	2700.4	2844.2	3040.6	3123.3	3038.7	2993.3	2953.2	2891.1
55°	2457.9	2492.6	2614.3	2843.4	3102.7	3257.5	3269.0	3248.8	3203.8	3105.8
57.5°	2145.3	2196.7	2389.3	2746.6	3101.6	3373.1	3494.7	3509.2	3458.9	3318.5
60°	1712.1	1781.9	2016.8	2531.9	3005.9	3435.6	3692.6	3765.1	3711.7	3528.3
62.5°	1194.6	1275.5	1497.8	2195.6	2787.0	3390.6	3837.1	3971.0	3930.5	3715.9
65°	728.7	754.6	933.8	1727.7	2414.8	3202.2	3881.7	4082.3	4069.0	3830.6
67.5°	485.4	507.1	558.6	1184.7	1874.5	2825.9	3775.0	4062.9	4066.7	3812.0
70°	292.5	311.1	344.7	689.0	1214.9	2236.8	3444.4	3815.0	3837.1	3562.2
72.5°	120.5	133.1	163.6	312.3	629.2	1419.6	2742.8	3275.5	3326.9	2995.2
75°	68.3	74.7	96.1	156.7	273.0	661.6	1661.4	2325.2	2401.1	2064.4
77.5°	45.4	48.4	62.2	101.4	153.7	225.7	710.0	1211.4	1356.3	1127.5
80°	30.5	33.2	42.7	67.9	99.9	96.9	226.1	448.8	552.1	387.4
82.5°	20.6	21.0	30.5	44.6	63.3	46.9	66.7	139.6	175.4	112.1
85°	11.8	11.4	22.5	25.9	28.2	19.4	20.2	41.9	54.9	47.3
87.5°	1.5	2.3	8.8	6.9	3.8	4.2	4.2	7.2	10.7	11.4
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°
661.6	0°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
662.3	2.5°	662.3	662.0	660.8	659.7	657.0	655.5	656.2	655.5	655.1	655.5
667.3	5°	667.3	666.1	663.1	659.3	653.9	647.5	643.3	637.2	631.4	628.0
680.6	7.5°	680.6	679.5	675.3	664.6	647.5	620.4	595.6	573.9	557.5	547.9
702.0	10°	702.0	700.1	693.6	670.0	625.0	565.9	516.7	475.9	449.2	436.6
727.2	12.5°	727.2	724.9	713.4	665.0	582.3	490.0	422.1	376.7	351.9	340.9
756.1	15°	756.9	753.9	731.4	641.4	520.1	406.1	343.9	310.0	294.0	284.1
793.1	17.5°	793.9	788.5	744.7	605.9	452.6	342.0	295.9	270.3	256.2	246.7
841.6	20°	841.9	833.2	755.4	563.6	390.5	301.6	263.5	242.1	231.5	223.1
910.2	22.5°	909.0	896.5	768.3	517.8	346.6	273.8	239.5	223.8	215.1	205.5
1005.9	25°	992.2	977.3	784.4	475.5	316.5	249.8	221.9	209.0	198.7	187.6
1131.3	27.5°	1108.5	1081.8	803.4	440.8	290.6	229.2	205.9	191.4	179.6	170.4
1273.6	30°	1238.1	1194.3	820.2	419.8	266.9	210.1	184.9	170.4	159.4	152.9
1401.3	32.5°	1360.9	1301.4	831.3	410.7	245.6	188.4	162.1	146.4	138.0	136.1
1526.4	35°	1476.8	1398.3	830.1	401.9	226.5	166.6	139.6	123.5	117.1	118.2
1661.0	37.5°	1610.3	1501.6	822.1	388.2	210.9	146.8	120.1	106.0	100.3	100.7
1824.6	40°	1765.5	1621.0	817.1	362.2	193.7	128.5	104.1	92.7	88.5	86.9
1996.9	42.5°	1931.0	1736.5	817.9	332.9	172.4	112.1	93.0	83.5	79.7	78.5
2188.7	45°	2097.2	1846.7	819.1	302.4	149.9	99.5	85.0	77.0	74.7	73.2
2383.2	47.5°	2253.5	1940.5	797.7	269.6	127.7	90.0	78.5	73.2	71.3	69.4
2578.4	50°	2399.2	2003.0	746.2	231.5	110.2	82.4	73.6	69.8	67.9	66.0
2755.3	52.5°	2512.5	2012.9	661.2	192.2	98.0	76.6	70.5	67.1	64.8	62.9
2898.3	55°	2562.8	1950.8	540.3	155.6	88.5	71.7	67.5	64.1	61.4	59.5
3010.8	57.5°	2549.8	1820.0	421.3	125.1	79.3	66.7	63.7	61.4	58.3	55.3
3102.0	60°	2486.1	1645.0	317.6	104.1	70.9	61.4	59.5	57.6	53.4	48.8
3137.0	62.5°	2375.9	1425.0	226.5	86.2	61.8	55.3	54.5	53.0	46.9	38.5
3085.2	65°	2207.4	1157.7	152.5	71.7	53.0	48.4	48.8	46.1	38.1	28.6
2895.3	67.5°	1961.1	846.5	97.6	58.7	44.2	40.4	40.8	39.3	32.4	24.4
2535.3	70°	1647.3	560.5	63.7	44.6	35.5	31.3	33.6	33.9	27.5	19.8
1945.8	72.5°	1207.6	331.0	44.6	33.2	25.9	21.7	27.5	28.2	22.1	14.9
1170.6	75°	688.3	157.1	33.6	24.0	16.0	15.3	21.4	21.4	15.3	9.9
506.8	77.5°	289.0	65.6	23.6	15.6	9.2	8.8	14.5	13.3	7.6	4.6
123.5	80°	83.5	29.4	12.6	7.6	3.8	3.4	5.7	4.2	1.9	0.8
46.9	82.5°	32.8	13.0	5.0	3.1	1.5	1.5	0.8	0.0	0.0	0.0
26.7	85°	19.4	5.3	2.3	1.1	0.4	0.0	0.0	0.0	0.0	0.0
5.7	87.5°	5.0	1.1	0.8	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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661.6
657.0
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