

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: P849897

Luminaire Tested: **GLAN-SB7A-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849897  
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-SB7A-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 350mA 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: 16112 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

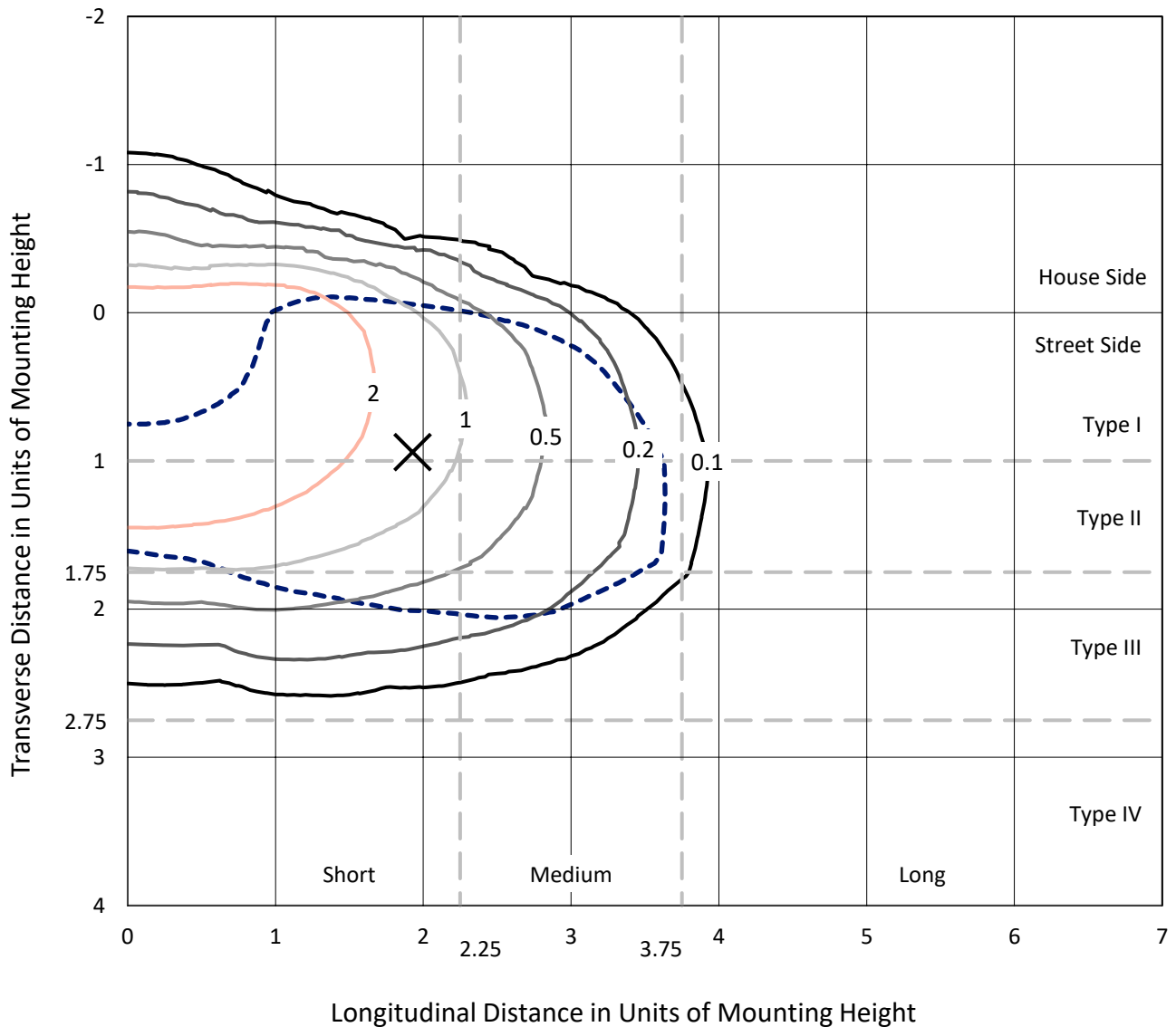
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

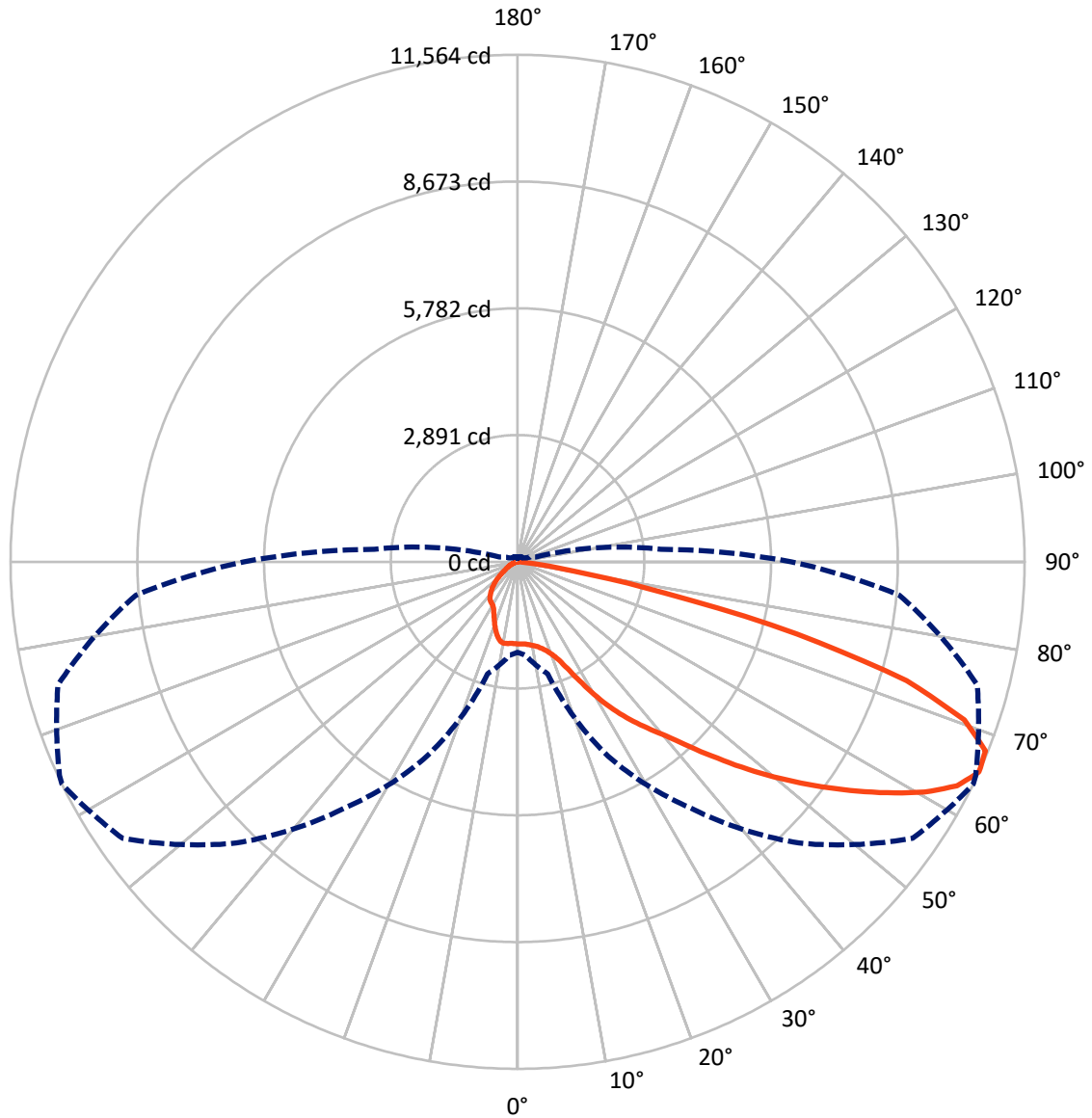
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P849897  
CATALOG NUMBER: GLAN-SB7A-927-U-T3-HSS

### 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
<b>House Side</b>	Lumens	2154.7	0.0	2154.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	13957.3	0.0	13957.3
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	16112.0	0.0	16112.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.9	1.1
10°-20°	468.9	2.9
20°-30°	888.6	5.5
30°-40°	1798.1	11.2
40°-50°	3063.1	19.0
50°-60°	4165.6	25.9
60°-70°	3911.7	24.3
70°-80°	1567.2	9.7
80°-90°	75.9	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°	16112.0	100.0
0°-180°	16112.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P849897

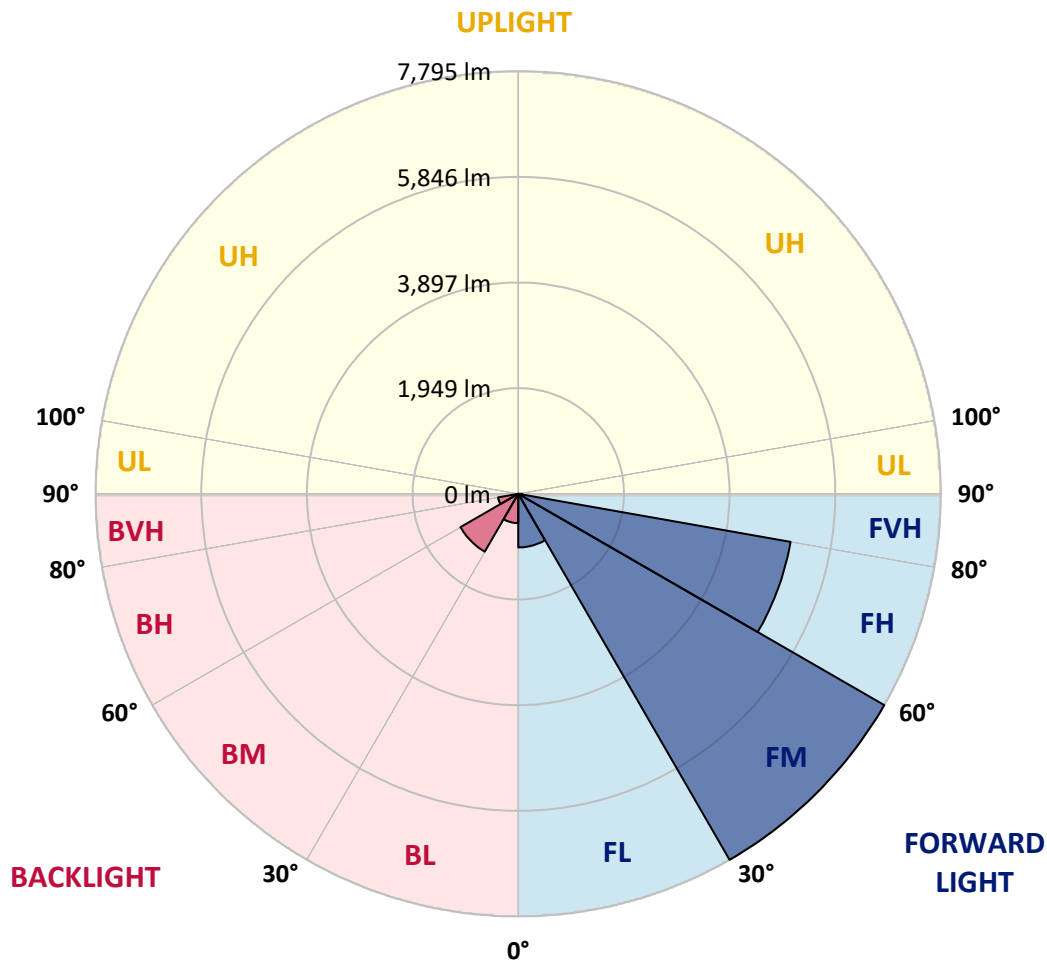
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	989.5	6.1			
FM (30°-60°)	7795.0	48.4			
FH (60°-80°)	5100.7	31.7			G3/7500
FVH (80°-90°)	72.2	0.4			G1/100
BL (0°-30°)	541.0	3.4	B2/1000		
BM (30°-60°)	1231.8	7.6	B2/2500		
BH (60°-80°)	378.2	2.3	B1/500		G1/500
BVH (80°-90°)	3.7	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-G3**

Type III Short



REPORT NUMBER: P849897  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1874.0	1874.0	1874.0	1874.0	1874.0	1874.0	1874.0	1874.0	1874.0	1874.0
2.5°	1867.5	1880.5	1877.2	1874.0	1872.9	1875.1	1876.2	1875.1	1875.1	1875.1
5°	1831.9	1842.7	1842.7	1850.2	1861.0	1874.0	1883.7	1885.9	1888.0	1891.3
7.5°	1763.8	1772.5	1778.9	1803.8	1830.8	1865.4	1894.5	1909.6	1911.8	1923.7
10°	1717.4	1728.2	1739.0	1764.9	1803.8	1855.6	1905.3	1942.0	1947.4	1975.5
12.5°	1715.2	1726.0	1740.1	1768.1	1813.5	1868.6	1929.1	1982.0	1991.7	2032.8
15°	1737.9	1750.9	1763.8	1798.4	1847.0	1914.0	1978.8	2044.7	2054.4	2112.7
17.5°	1784.3	1801.6	1811.3	1845.9	1897.8	1972.3	2057.6	2133.2	2141.9	2209.9
20°	1876.2	1896.7	1899.9	1928.0	1978.8	2058.7	2160.2	2254.2	2265.0	2342.8
22.5°	2066.3	2095.4	2069.5	2083.5	2128.9	2208.8	2319.0	2437.8	2452.9	2541.5
25°	2401.1	2442.1	2375.2	2351.4	2370.8	2454.0	2592.3	2742.4	2759.7	2831.0
27.5°	3058.9	3005.9	2904.4	2805.0	2746.7	2794.2	2949.8	3135.6	3157.2	3226.3
30°	3781.5	3735.0	3597.9	3377.5	3239.3	3231.7	3375.3	3582.7	3607.6	3673.5
32.5°	4505.1	4460.9	4311.8	4040.7	3800.9	3682.1	3781.5	4011.5	4024.5	4066.6
35°	5216.9	5171.6	5022.5	4744.9	4450.1	4180.0	4160.6	4419.8	4424.1	4468.4
37.5°	5933.1	5895.2	5736.5	5464.3	5173.7	4801.1	4620.7	4806.5	4811.9	4855.1
40°	6443.9	6460.1	6351.1	6140.4	5890.9	5483.7	5137.0	5218.0	5185.6	5258.0
42.5°	6882.5	6914.9	6819.8	6714.0	6569.2	6210.6	5776.4	5762.4	5710.5	5749.4
45°	7261.6	7288.6	7203.3	7178.4	7175.2	6923.5	6475.3	6391.0	6318.7	6311.1
47.5°	7400.9	7452.8	7489.5	7572.7	7734.7	7628.8	7197.9	7067.2	6986.2	6926.8
50°	7453.8	7508.9	7634.2	7876.2	8259.6	8305.0	7917.2	7770.3	7670.9	7562.9
52.5°	7382.6	7480.9	7649.3	8056.5	8612.8	8847.2	8607.4	8478.9	8365.5	8189.4
55°	6962.4	7060.7	7405.2	8054.4	8788.9	9227.4	9259.8	9202.5	9075.1	8797.5
57.5°	6076.7	6222.5	6768.0	7780.0	8785.6	9554.7	9899.2	9940.3	9797.7	9400.2
60°	4849.7	5047.4	5712.7	7171.9	8514.5	9731.8	10459.8	10665.0	10513.8	9994.3
62.5°	3384.0	3613.0	4242.7	6219.3	7894.5	9604.3	10869.2	11248.3	11133.8	10525.7
65°	2064.1	2137.5	2645.2	4894.0	6840.3	9070.8	10995.5	11563.7	11525.9	10850.8
67.5°	1375.0	1436.5	1582.4	3355.9	5309.8	8004.7	10693.1	11508.6	11519.4	10797.9
70°	828.4	881.4	976.4	1951.8	3441.2	6335.9	9756.6	10806.5	10869.2	10090.4
72.5°	341.3	377.0	463.4	884.6	1782.2	4021.3	7769.2	9278.2	9424.0	8484.3
75°	193.3	211.7	272.2	443.9	773.4	1874.0	4706.0	6586.5	6801.5	5847.7
77.5°	128.5	137.2	176.1	287.3	435.3	639.4	2011.2	3431.5	3842.0	3193.9
80°	86.4	94.0	121.0	192.3	283.0	274.3	640.5	1271.3	1564.0	1097.4
82.5°	58.3	59.4	86.4	126.4	179.3	132.9	189.0	395.3	496.9	317.6
85°	33.5	32.4	63.7	73.4	79.9	55.1	57.2	118.8	155.5	133.9
87.5°	4.3	6.5	24.8	19.4	10.8	11.9	11.9	20.5	30.2	32.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849897  
 CATALOG NUMBER: GLAN-SB7A-927-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1874.0	0°	1874.0	1874.0	1874.0	1874.0	1874.0	1874.0	1874.0	1874.0	1874.0	1874.0
1876.2	2.5°	1876.2	1875.1	1871.8	1868.6	1861.0	1856.7	1858.9	1856.7	1855.6	1856.7
1890.2	5°	1890.2	1887.0	1878.3	1867.5	1852.4	1834.0	1822.1	1804.9	1788.7	1778.9
1928.0	7.5°	1928.0	1924.8	1912.9	1882.6	1834.0	1757.3	1687.1	1625.6	1579.1	1552.1
1988.5	10°	1988.5	1983.1	1964.7	1897.8	1770.3	1602.9	1463.6	1348.0	1272.4	1236.7
2059.8	12.5°	2059.8	2053.3	2020.9	1883.7	1649.3	1387.9	1195.7	1067.1	996.9	965.6
2141.9	15°	2144.0	2135.4	2071.7	1816.7	1473.3	1150.3	974.3	878.1	832.8	804.7
2246.6	17.5°	2248.8	2233.7	2109.5	1716.3	1282.1	968.9	838.2	765.8	725.8	698.8
2383.8	20°	2384.9	2360.0	2139.7	1596.4	1106.0	854.4	746.4	685.9	655.6	631.9
2578.2	22.5°	2575.0	2539.3	2176.4	1466.8	981.8	775.5	678.3	634.0	609.2	582.2
2849.3	25°	2810.4	2768.3	2221.8	1346.9	896.5	707.5	628.6	591.9	562.7	531.4
3204.7	27.5°	3139.9	3064.3	2275.8	1248.6	823.0	649.1	583.3	542.2	508.7	482.8
3607.6	30°	3507.1	3382.9	2323.3	1189.2	756.1	595.1	523.9	482.8	451.5	433.1
3969.4	32.5°	3854.9	3686.4	2354.6	1163.3	695.6	533.6	459.0	414.8	391.0	385.6
4323.7	35°	4183.3	3960.8	2351.4	1138.4	641.6	472.0	395.3	350.0	331.6	334.8
4705.0	37.5°	4561.3	4253.5	2328.7	1099.6	597.3	415.8	340.2	300.3	284.1	285.1
5168.3	40°	5000.9	4591.6	2314.7	1026.1	548.7	364.0	294.9	262.5	250.6	246.3
5656.5	42.5°	5469.7	4918.8	2316.8	942.9	488.2	317.6	263.5	236.5	225.7	222.5
6199.8	45°	5940.6	5231.0	2320.1	856.5	424.5	281.9	240.9	218.2	211.7	207.4
6750.7	47.5°	6383.5	5496.7	2259.6	763.6	361.8	254.9	222.5	207.4	202.0	196.6
7303.7	50°	6796.1	5673.8	2113.8	655.6	312.2	233.3	208.5	197.7	192.3	186.9
7804.9	52.5°	7116.9	5701.9	1872.9	544.4	277.6	217.1	199.8	190.1	183.6	178.2
8209.9	55°	7259.4	5525.8	1530.5	440.7	250.6	203.1	191.2	181.5	173.9	168.5
8528.6	57.5°	7222.7	5155.4	1193.5	354.3	224.7	189.0	180.4	173.9	165.3	156.6
8786.7	60°	7042.3	4659.6	899.7	294.9	200.9	173.9	168.5	163.1	151.2	138.3
8886.1	62.5°	6730.2	4036.4	641.6	244.1	175.0	156.6	154.5	150.1	132.9	109.1
8739.2	65°	6252.8	3279.2	432.0	203.1	150.1	137.2	138.3	130.7	108.0	81.0
8201.3	67.5°	5555.0	2397.8	276.5	166.3	125.3	114.5	115.6	111.3	91.8	69.1
7181.7	70°	4666.1	1587.8	180.4	126.4	100.5	88.6	95.0	96.1	77.8	56.2
5511.8	72.5°	3420.7	937.5	126.4	94.0	73.4	61.6	77.8	79.9	62.6	42.1
3315.9	75°	1949.6	445.0	95.0	68.0	45.4	43.2	60.5	60.5	43.2	28.1
1435.5	77.5°	818.7	185.8	67.0	44.3	25.9	24.8	41.0	37.8	21.6	13.0
350.0	80°	236.5	83.2	35.6	21.6	10.8	9.7	16.2	11.9	5.4	2.2
132.9	82.5°	92.9	36.7	14.0	8.6	4.3	4.3	2.2	0.0	0.0	0.0
75.6	85°	55.1	15.1	6.5	3.2	1.1	0.0	0.0	0.0	0.0	0.0
16.2	87.5°	14.0	3.2	2.2	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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1874.0
1861.0
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627.5
577.9
528.2
477.4
429.9
388.8
334.8
289.5
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