

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: P846887

Luminaire Tested: **GLAN-SB2D-722-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846887  
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-SB2D-722-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 900mA 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: 12481 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

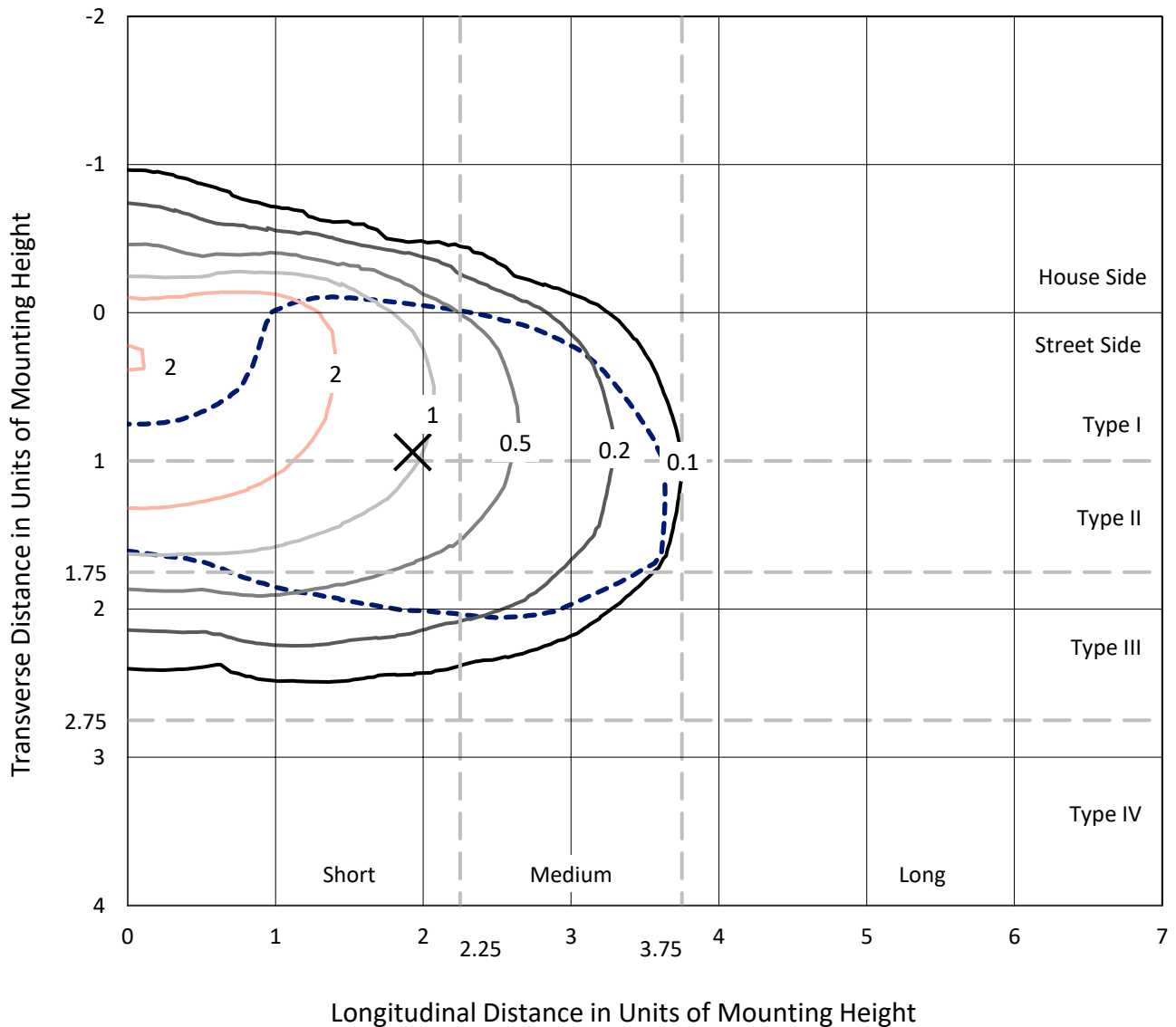
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

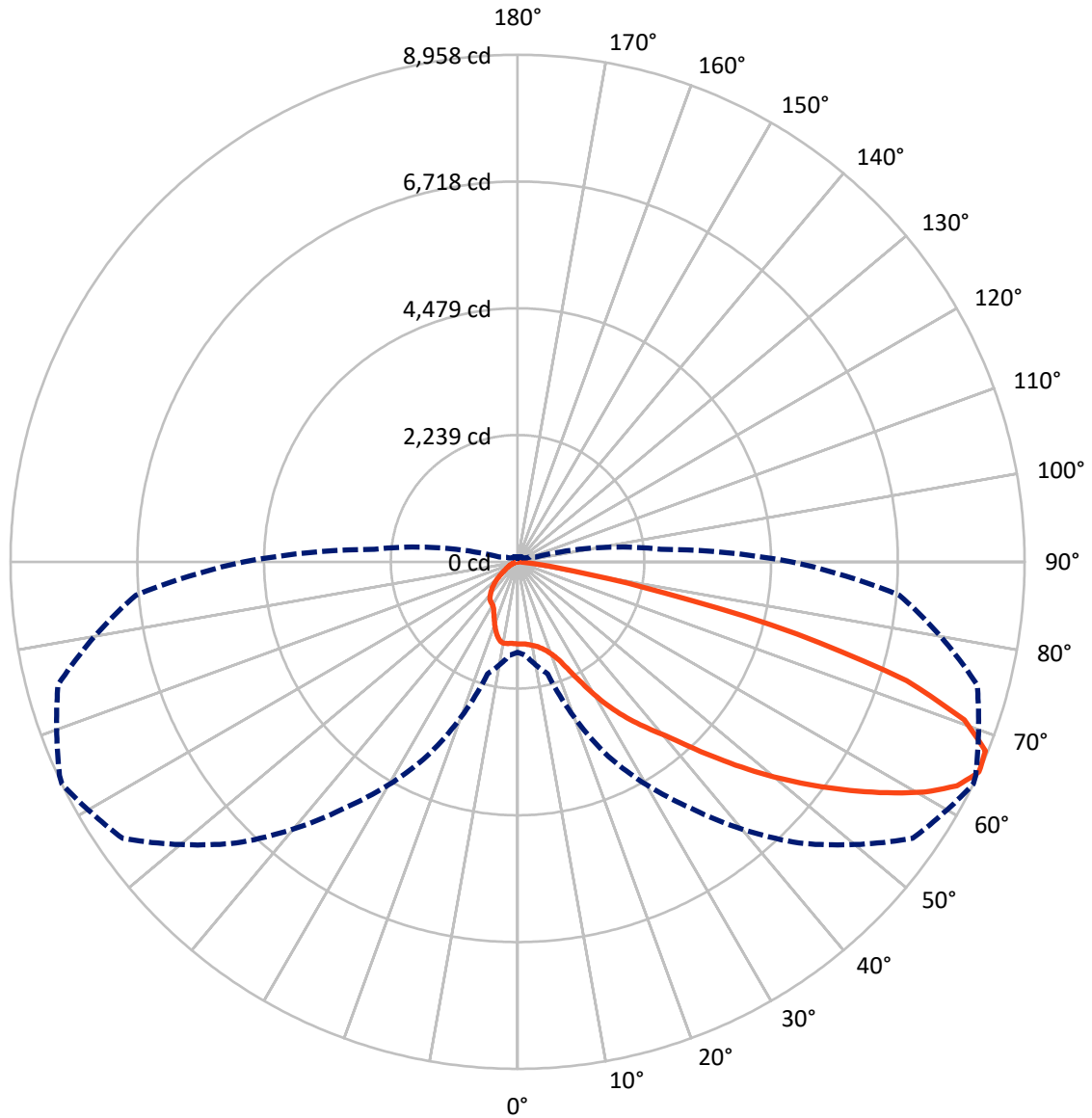
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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
<b>House Side</b>	Lumens	1669.1	0.0	1669.1
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	10811.9	0.0	10811.9
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	12481.0	0.0	12481.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.9	1.1
10°-20°	363.3	2.9
20°-30°	688.3	5.5
30°-40°	1392.9	11.2
40°-50°	2372.8	19.0
50°-60°	3226.8	25.9
60°-70°	3030.1	24.3
70°-80°	1214.0	9.7
80°-90°	58.8	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°	12481.0	100.0
0°-180°	12481.0	100.0

**Coefficient of Utilization**



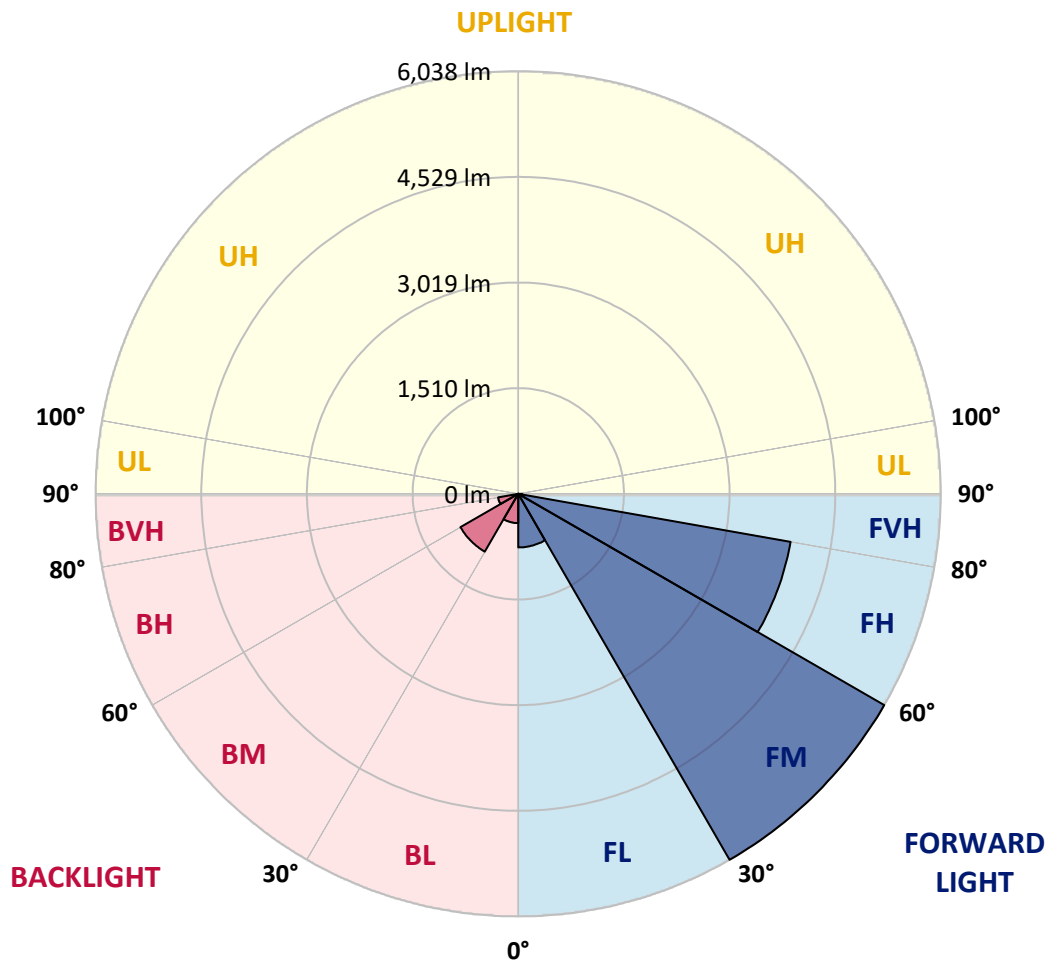
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.5	6.1			
FM (30°-60°)	6038.3	48.4			
FH (60°-80°)	3951.2	31.7			G2/5000
FVH (80°-90°)	55.9	0.4			G1/100
BL (0°-30°)	419.1	3.4	B1/500		
BM (30°-60°)	954.2	7.6	B1/1000		
BH (60°-80°)	292.9	2.3	B1/500		G1/500
BVH (80°-90°)	2.9	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°	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7
2.5°	1446.6	1456.7	1454.2	1451.7	1450.8	1452.5	1453.3	1452.5	1452.5	1452.5
5°	1419.0	1427.4	1427.4	1433.3	1441.6	1451.7	1459.2	1460.9	1462.5	1465.1
7.5°	1366.3	1373.0	1378.0	1397.3	1418.2	1445.0	1467.6	1479.3	1481.0	1490.2
10°	1330.3	1338.7	1347.1	1367.2	1397.3	1437.4	1475.9	1504.4	1508.6	1530.3
12.5°	1328.7	1337.0	1347.9	1369.7	1404.8	1447.5	1494.3	1535.3	1542.9	1574.7
15°	1346.2	1356.3	1366.3	1393.1	1430.8	1482.6	1532.8	1583.9	1591.4	1636.6
17.5°	1382.2	1395.6	1403.1	1429.9	1470.1	1527.8	1593.9	1652.5	1659.2	1711.9
20°	1453.3	1469.2	1471.8	1493.5	1532.8	1594.7	1673.4	1746.2	1754.6	1814.8
22.5°	1600.6	1623.2	1603.1	1614.0	1649.1	1711.0	1796.4	1888.4	1900.1	1968.7
25°	1860.0	1891.8	1839.9	1821.5	1836.6	1901.0	2008.1	2124.4	2137.8	2193.0
27.5°	2369.5	2328.5	2249.9	2172.9	2127.7	2164.5	2285.0	2428.9	2445.7	2499.2
30°	2929.3	2893.3	2787.0	2616.4	2509.3	2503.4	2614.7	2775.3	2794.6	2845.6
32.5°	3489.9	3455.6	3340.1	3130.1	2944.3	2852.3	2929.3	3107.5	3117.5	3150.2
35°	4041.2	4006.1	3890.6	3675.6	3447.2	3238.0	3223.0	3423.8	3427.1	3461.4
37.5°	4596.0	4566.7	4443.7	4232.9	4007.8	3719.1	3579.4	3723.3	3727.5	3761.0
40°	4991.7	5004.3	4919.8	4756.6	4563.3	4247.9	3979.3	4042.1	4017.0	4073.0
42.5°	5331.4	5356.5	5282.9	5200.9	5088.8	4811.0	4474.7	4463.8	4423.6	4453.7
45°	5625.1	5646.0	5579.9	5560.7	5558.2	5363.2	5016.0	4950.7	4894.7	4888.8
47.5°	5733.1	5773.2	5801.7	5866.1	5991.6	5909.6	5575.8	5474.5	5411.8	5365.7
50°	5774.0	5816.7	5913.8	6101.2	6398.2	6433.4	6133.0	6019.2	5942.2	5858.6
52.5°	5718.8	5795.0	5925.5	6240.9	6671.8	6853.4	6667.6	6568.1	6480.2	6343.8
55°	5393.4	5469.5	5736.4	6239.3	6808.2	7147.9	7173.0	7128.7	7029.9	6814.9
57.5°	4707.3	4820.2	5242.7	6026.7	6805.7	7401.4	7668.3	7700.1	7589.7	7281.8
60°	3756.8	3909.9	4425.3	5555.7	6595.7	7538.6	8102.6	8261.5	8144.4	7742.0
62.5°	2621.4	2798.8	3286.5	4817.7	6115.4	7439.9	8419.7	8713.4	8624.7	8153.6
65°	1598.9	1655.8	2049.1	3791.1	5298.8	7026.6	8517.6	8957.7	8928.4	8405.5
67.5°	1065.1	1112.8	1225.8	2599.6	4113.2	6200.8	8283.3	8915.0	8923.4	8364.5
70°	641.7	682.7	756.4	1511.9	2665.7	4908.1	7557.9	8371.2	8419.7	7816.4
72.5°	264.4	292.0	358.9	685.3	1380.6	3115.0	6018.4	7187.2	7300.2	6572.3
75°	149.8	164.0	210.8	343.9	599.1	1451.7	3645.5	5102.2	5268.7	4529.9
77.5°	99.6	106.3	136.4	222.6	337.2	495.3	1557.9	2658.2	2976.1	2474.1
80°	66.9	72.8	93.7	148.9	219.2	212.5	496.2	984.8	1211.5	850.1
82.5°	45.2	46.0	66.9	97.9	138.9	102.9	146.4	306.2	384.9	246.0
85°	25.9	25.1	49.4	56.9	61.9	42.7	44.3	92.0	120.5	103.8
87.5°	3.3	5.0	19.2	15.1	8.4	9.2	9.2	15.9	23.4	25.1
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°
1451.7	0°	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7	1451.7
1453.3	2.5°	1453.3	1452.5	1450.0	1447.5	1441.6	1438.3	1440.0	1438.3	1437.4	1438.3
1464.2	5°	1464.2	1461.7	1455.0	1446.6	1434.9	1420.7	1411.5	1398.1	1385.6	1378.0
1493.5	7.5°	1493.5	1491.0	1481.8	1458.4	1420.7	1361.3	1306.9	1259.2	1223.3	1202.3
1540.4	10°	1540.4	1536.2	1522.0	1470.1	1371.3	1241.7	1133.7	1044.2	985.6	958.0
1595.6	12.5°	1595.6	1590.6	1565.5	1459.2	1277.6	1075.2	926.2	826.7	772.3	748.0
1659.2	15°	1660.8	1654.2	1604.8	1407.3	1141.3	891.1	754.7	680.2	645.1	623.3
1740.3	17.5°	1742.0	1730.3	1634.1	1329.5	993.2	750.5	649.3	593.2	562.3	541.3
1846.6	20°	1847.4	1828.2	1657.5	1236.6	856.8	661.8	578.2	531.3	507.9	489.5
1997.2	22.5°	1994.7	1967.1	1685.9	1136.2	760.6	600.7	525.4	491.1	471.9	451.0
2207.2	25°	2177.1	2144.5	1721.1	1043.4	694.5	548.0	487.0	458.5	435.9	411.7
2482.5	27.5°	2432.3	2373.7	1762.9	967.2	637.6	502.9	451.8	420.0	394.1	374.0
2794.6	30°	2716.8	2620.5	1799.7	921.2	585.7	461.0	405.8	374.0	349.7	335.5
3074.9	32.5°	2986.2	2855.6	1824.0	901.1	538.8	413.3	355.6	321.3	302.9	298.7
3349.3	35°	3240.5	3068.2	1821.5	881.9	497.0	365.6	306.2	271.1	256.9	259.4
3644.7	37.5°	3533.4	3294.9	1803.9	851.8	462.7	322.1	263.6	232.6	220.1	220.9
4003.6	40°	3873.9	3556.8	1793.0	794.9	425.0	282.0	228.4	203.3	194.1	190.8
4381.8	42.5°	4237.0	3810.3	1794.7	730.4	378.2	246.0	204.2	183.2	174.9	172.4
4802.6	45°	4601.8	4052.1	1797.2	663.5	328.8	218.4	186.6	169.0	164.0	160.6
5229.4	47.5°	4944.9	4258.0	1750.4	591.5	280.3	197.5	172.4	160.6	156.5	152.3
5657.7	50°	5264.5	4395.2	1637.4	507.9	241.8	180.7	161.5	153.1	148.9	144.7
6046.0	52.5°	5513.0	4416.9	1450.8	421.7	215.0	168.2	154.8	147.3	142.2	138.1
6359.7	55°	5623.4	4280.5	1185.6	341.4	194.1	157.3	148.1	140.6	134.7	130.5
6606.6	57.5°	5595.0	3993.6	924.6	274.4	174.0	146.4	139.7	134.7	128.0	121.3
6806.5	60°	5455.3	3609.5	697.0	228.4	155.6	134.7	130.5	126.3	117.1	107.1
6883.5	62.5°	5213.5	3126.7	497.0	189.1	135.5	121.3	119.6	116.3	102.9	84.5
6769.7	65°	4843.6	2540.2	334.7	157.3	116.3	106.3	107.1	101.2	83.7	62.8
6353.0	67.5°	4303.1	1857.5	214.2	128.9	97.1	88.7	89.5	86.2	71.1	53.5
5563.2	70°	3614.5	1229.9	139.7	97.9	77.8	68.6	73.6	74.5	60.2	43.5
4269.7	72.5°	2649.8	726.3	97.9	72.8	56.9	47.7	60.2	61.9	48.5	32.6
2568.7	75°	1510.2	344.7	73.6	52.7	35.1	33.5	46.9	46.9	33.5	21.8
1112.0	77.5°	634.2	143.9	51.9	34.3	20.1	19.2	31.8	29.3	16.7	10.0
271.1	80°	183.2	64.4	27.6	16.7	8.4	7.5	12.6	9.2	4.2	1.7
102.9	82.5°	72.0	28.4	10.9	6.7	3.3	3.3	1.7	0.0	0.0	0.0
58.6	85°	42.7	11.7	5.0	2.5	0.8	0.0	0.0	0.0	0.0	0.0
12.6	87.5°	10.9	2.5	1.7	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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1451.7
1441.6
1379.7
1203.2
955.5
745.5
624.2
539.7
486.1
447.6
409.1
369.8
333.0
301.2
259.4
224.2
189.9
171.5
160.6
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