

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: P846805

Luminaire Tested: **GLAN-SB2C-835-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846805  
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-SB2C-835-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 615mA 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: 9055 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

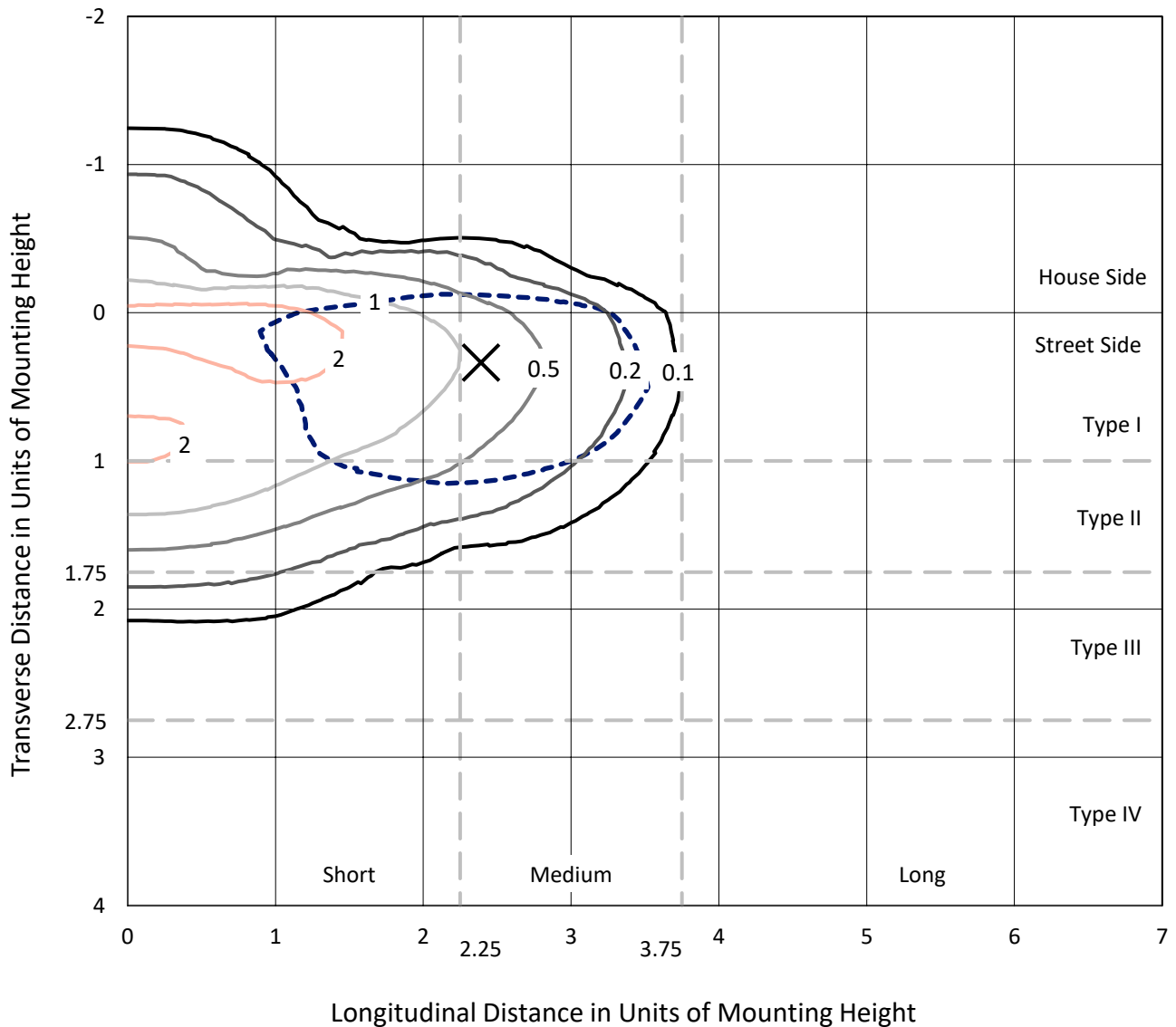
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

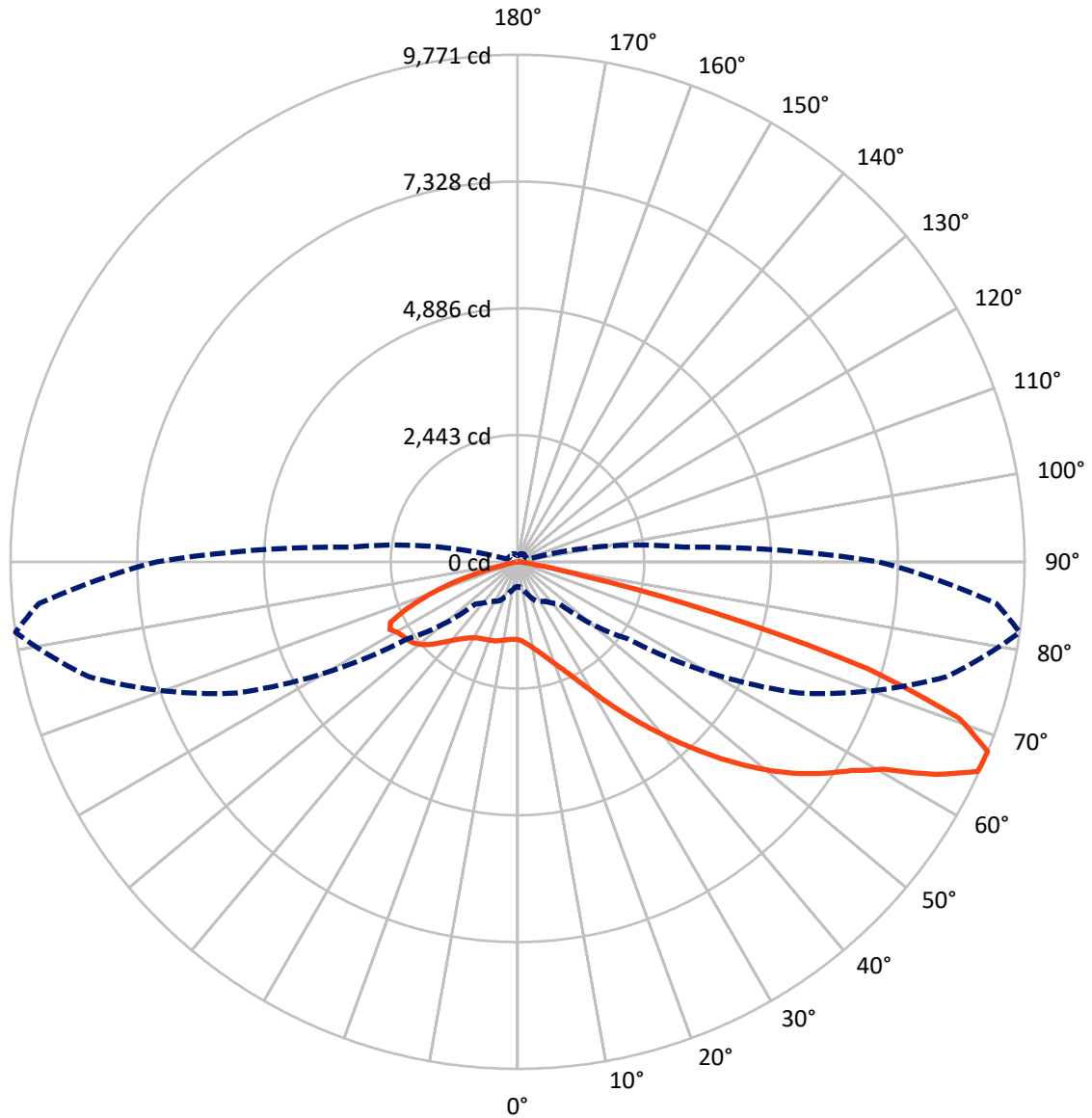
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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
<b>House Side</b>	Lumens	1640.2	0.0	1640.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	7414.8	0.0	7414.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	9055.0	0.0	9055.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.6	1.5
10°-20°	347.3	3.8
20°-30°	556.3	6.1
30°-40°	983.6	10.9
40°-50°	1723.4	19.0
50°-60°	2298.6	25.4
60°-70°	2139.9	23.6
70°-80°	821.3	9.1
80°-90°	51.0	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°	9055.0	100.0
0°-180°	9055.0	100.0

**Coefficient of Utilization**

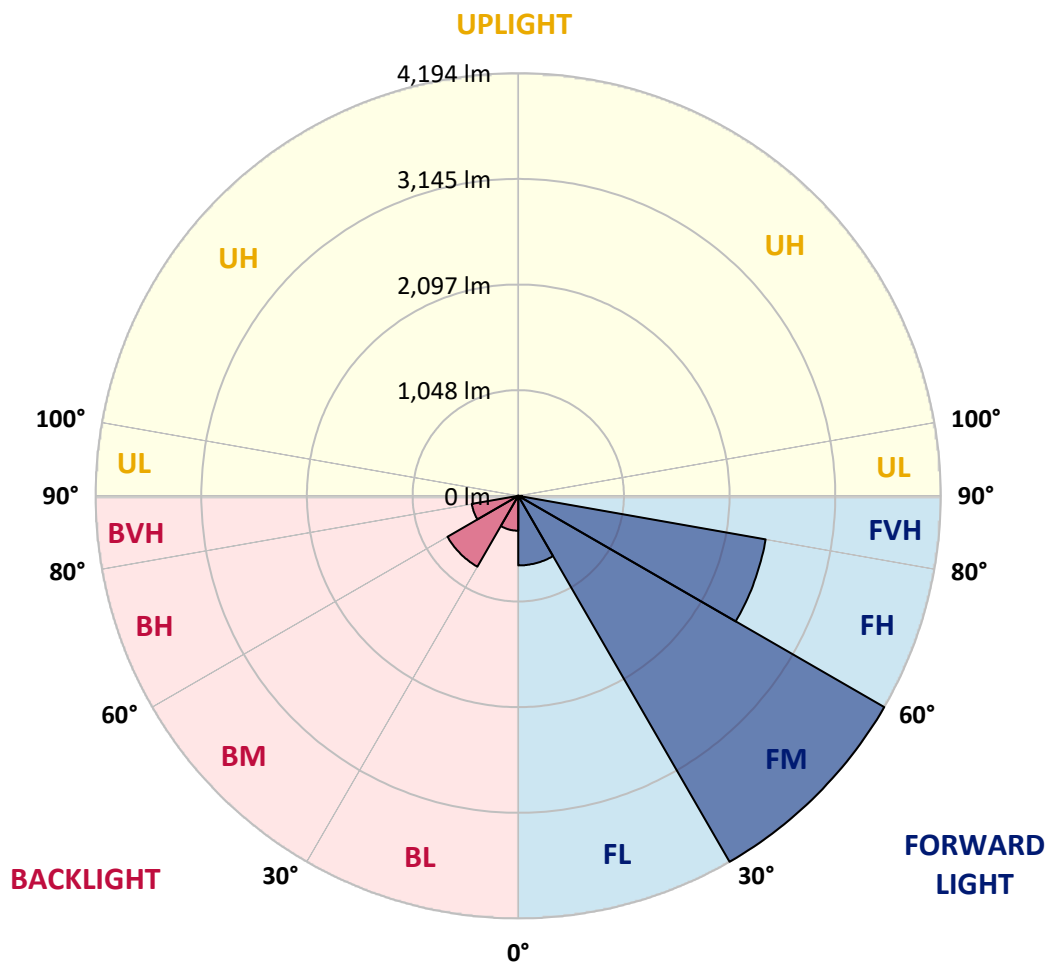


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	690.8	7.6			
FM (30°-60°)	4193.9	46.3			
FH (60°-80°)	2493.0	27.5			G2/5000
FVH (80°-90°)	37.1	0.4			G1/100
BL (0°-30°)	346.4	3.8	B1/500		
BM (30°-60°)	811.7	9.0	B1/1000		
BH (60°-80°)	468.1	5.2	B1/500		G1/500
BVH (80°-90°)	13.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1
2.5°	1585.5	1594.6	1589.4	1586.8	1582.3	1575.7	1570.5	1554.2	1537.3	1526.2
5°	1617.5	1626.6	1625.9	1628.5	1631.8	1633.8	1632.5	1614.2	1590.1	1571.2
7.5°	1590.1	1600.5	1609.0	1622.0	1644.8	1669.0	1680.7	1676.8	1652.0	1625.9
10°	1512.5	1523.6	1543.8	1574.4	1622.7	1674.8	1718.5	1738.7	1723.1	1694.4
12.5°	1370.4	1381.5	1421.2	1487.7	1568.6	1659.2	1742.6	1796.7	1800.7	1772.0
15°	1210.6	1221.7	1264.1	1347.6	1470.8	1616.2	1755.7	1858.0	1892.6	1867.8
17.5°	1111.6	1121.3	1153.3	1220.4	1348.9	1530.1	1751.1	1923.2	2002.1	1982.5
20°	1081.6	1090.0	1105.0	1152.0	1258.9	1440.8	1721.1	1984.5	2120.1	2109.0
22.5°	1113.5	1121.3	1125.9	1146.8	1213.9	1382.1	1683.3	2047.1	2257.0	2258.3
25°	1187.2	1195.0	1189.8	1202.8	1232.2	1363.9	1669.0	2120.8	2429.1	2443.5
27.5°	1308.4	1309.1	1296.7	1296.1	1300.6	1391.2	1684.0	2199.6	2646.2	2672.9
30°	1551.6	1541.8	1494.2	1442.7	1419.3	1473.4	1725.7	2292.9	2902.4	2950.0
32.5°	1926.5	1912.1	1824.8	1701.6	1577.7	1605.7	1800.7	2399.1	3181.5	3267.5
35°	2333.3	2329.4	2238.1	2054.9	1838.5	1794.1	1922.6	2538.6	3485.9	3622.8
37.5°	2711.4	2709.5	2657.3	2441.5	2178.1	2056.9	2118.1	2721.2	3811.9	4010.1
40°	3056.9	3062.8	3010.6	2817.7	2552.3	2393.9	2384.1	2946.8	4174.4	4431.9
42.5°	3355.5	3362.0	3309.2	3166.5	2922.0	2766.8	2710.8	3223.2	4528.4	4885.0
45°	3558.3	3598.7	3590.9	3476.8	3301.4	3140.4	3103.2	3570.0	4931.9	5365.4
47.5°	3615.6	3652.8	3711.5	3727.1	3620.2	3461.8	3506.1	3987.9	5340.0	5846.6
50°	3474.2	3508.7	3630.6	3793.0	3867.3	3818.4	3897.9	4435.8	5757.9	6326.4
52.5°	3195.1	3230.3	3384.2	3641.1	3944.2	4098.1	4291.0	4877.1	6162.8	6780.8
55°	2791.6	2828.8	3026.3	3317.1	3797.5	4213.5	4619.0	5317.9	6533.7	7189.6
57.5°	2242.7	2270.0	2475.4	2882.2	3428.5	4098.7	4860.8	5799.0	6883.2	7591.2
60°	1461.6	1485.8	1724.4	2178.1	2817.0	3715.4	4909.1	6335.5	7347.3	8113.4
62.5°	972.0	988.3	1129.8	1462.9	1983.8	2979.4	4626.8	6763.8	8028.0	9022.2
65°	666.9	683.2	824.7	1056.8	1281.7	1970.8	3815.1	6707.1	8644.7	9743.9
67.5°	475.9	489.6	609.6	828.6	927.7	1144.8	2586.2	5982.2	8556.0	9771.2
70°	341.0	348.8	447.9	645.4	737.3	687.8	1438.2	4575.3	7491.4	9022.8
72.5°	238.6	241.2	311.0	491.6	593.9	502.0	684.5	3050.4	5666.0	7082.0
75°	161.7	164.9	209.3	360.5	476.6	383.3	362.5	1635.7	3326.2	3920.1
77.5°	99.1	100.4	135.0	246.4	356.6	292.1	233.4	693.0	1286.9	1263.5
80°	56.1	56.1	86.1	153.2	243.2	188.4	163.6	294.7	407.5	357.9
82.5°	31.3	31.9	62.6	95.2	161.0	111.5	90.0	136.3	176.0	155.8
85°	13.0	14.3	38.5	45.0	76.9	55.4	36.5	57.4	65.2	58.0
87.5°	1.3	2.0	11.7	8.5	9.1	11.1	5.2	11.1	9.1	9.1
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°
1500.1	0°	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1
1522.3	2.5°	1509.9	1500.1	1475.3	1446.6	1408.8	1390.6	1365.8	1348.9	1334.5	1335.8
1560.1	5°	1539.2	1514.4	1459.0	1389.9	1303.9	1242.6	1177.4	1132.4	1095.9	1088.1
1612.2	7.5°	1579.6	1540.5	1443.4	1318.9	1173.5	1063.3	964.9	901.6	856.6	842.3
1675.5	10°	1631.8	1575.1	1423.2	1229.6	1020.3	880.1	774.5	725.0	694.3	683.9
1749.8	12.5°	1692.4	1614.8	1396.4	1120.7	862.5	727.6	660.4	635.6	625.9	622.6
1841.1	15°	1768.7	1664.4	1356.0	991.6	728.9	634.3	605.6	602.4	603.7	602.4
1950.6	17.5°	1859.3	1718.5	1290.2	858.6	638.9	586.7	576.3	578.9	582.2	581.5
2073.2	20°	1958.4	1772.0	1206.1	740.6	577.6	552.8	547.0	549.6	552.2	550.9
2214.6	22.5°	2071.2	1829.3	1112.9	648.7	536.5	521.5	515.0	515.7	515.7	513.1
2393.9	25°	2206.2	1892.6	1015.1	583.5	505.3	493.5	485.7	483.1	479.2	471.4
2611.7	27.5°	2367.2	1959.7	921.2	537.8	480.5	469.4	460.3	453.7	444.0	430.9
2873.1	30°	2548.4	2041.2	841.7	509.2	460.9	449.8	439.4	429.6	415.3	399.0
3173.6	32.5°	2761.6	2128.6	783.6	490.3	443.3	431.6	419.2	407.5	391.8	375.5
3511.3	35°	3015.9	2234.2	749.7	477.2	429.6	414.0	400.3	387.3	375.5	361.2
3878.4	37.5°	3291.6	2346.3	739.3	470.7	420.5	396.4	380.7	371.6	370.3	361.8
4275.4	40°	3593.5	2479.3	747.1	466.8	410.7	379.4	362.5	360.5	363.8	348.8
4699.8	42.5°	3912.9	2637.1	760.2	462.2	397.0	362.5	346.2	346.2	343.6	322.7
5148.3	45°	4258.5	2819.0	773.2	451.1	380.7	345.5	333.1	328.6	317.5	297.3
5599.5	47.5°	4606.6	3004.1	783.0	430.9	361.2	331.2	320.1	309.7	293.4	275.1
6042.2	50°	4937.1	3170.4	772.5	400.9	339.0	317.5	305.8	291.4	273.8	261.4
6461.3	52.5°	5232.4	3314.4	728.2	365.7	315.5	303.2	292.7	277.7	263.4	250.3
6839.5	55°	5489.3	3431.1	650.0	332.5	294.7	290.8	280.3	261.4	241.9	230.8
7214.3	57.5°	5735.7	3519.8	552.2	305.1	275.8	277.1	261.4	244.5	226.2	214.5
7719.6	60°	6063.7	3638.5	453.1	279.7	255.6	259.5	242.5	230.1	207.3	192.3
8586.0	62.5°	6587.8	3823.0	359.9	248.4	232.1	233.4	226.2	211.2	183.8	166.2
9228.2	65°	7003.8	3755.2	283.6	214.5	205.4	207.3	207.3	191.0	161.7	141.5
9262.7	67.5°	6956.8	3215.4	226.2	181.2	179.9	181.2	185.8	172.1	143.4	127.1
8557.3	70°	6408.5	2557.5	181.2	150.6	156.5	153.2	166.2	157.1	129.1	112.8
6634.1	72.5°	5229.2	1842.4	138.2	124.5	120.0	125.2	149.9	141.5	107.6	89.3
3513.9	75°	3055.6	983.1	103.0	98.4	86.7	104.3	133.0	120.6	82.1	65.8
1077.0	77.5°	994.9	342.9	75.6	72.4	64.5	84.1	113.4	101.7	67.1	52.2
315.5	80°	266.6	103.7	51.5	47.6	41.7	62.6	90.0	80.8	48.2	33.9
135.6	82.5°	106.9	43.7	30.0	26.7	22.8	43.0	71.1	65.2	35.9	21.5
42.4	85°	34.6	14.3	11.1	8.5	10.4	26.7	42.4	44.3	25.4	11.1
6.5	87.5°	4.6	2.0	2.0	2.6	2.0	4.6	13.0	12.4	7.2	1.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



180°
1500.1
1322.8
1070.5
828.0
676.1
620.6
601.7
580.2
550.2
511.8
470.0
429.6
397.7
376.2
359.9
361.2
349.4
322.7
296.6
274.5
259.5
249.0
229.5
213.2
190.4
164.9
139.5
124.5
110.8
87.4
63.9
50.2
33.2
21.5
8.5
0.0
0.0

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