

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: P846977

Luminaire Tested: **GLAN-SB2D-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846977
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-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 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: 13215 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

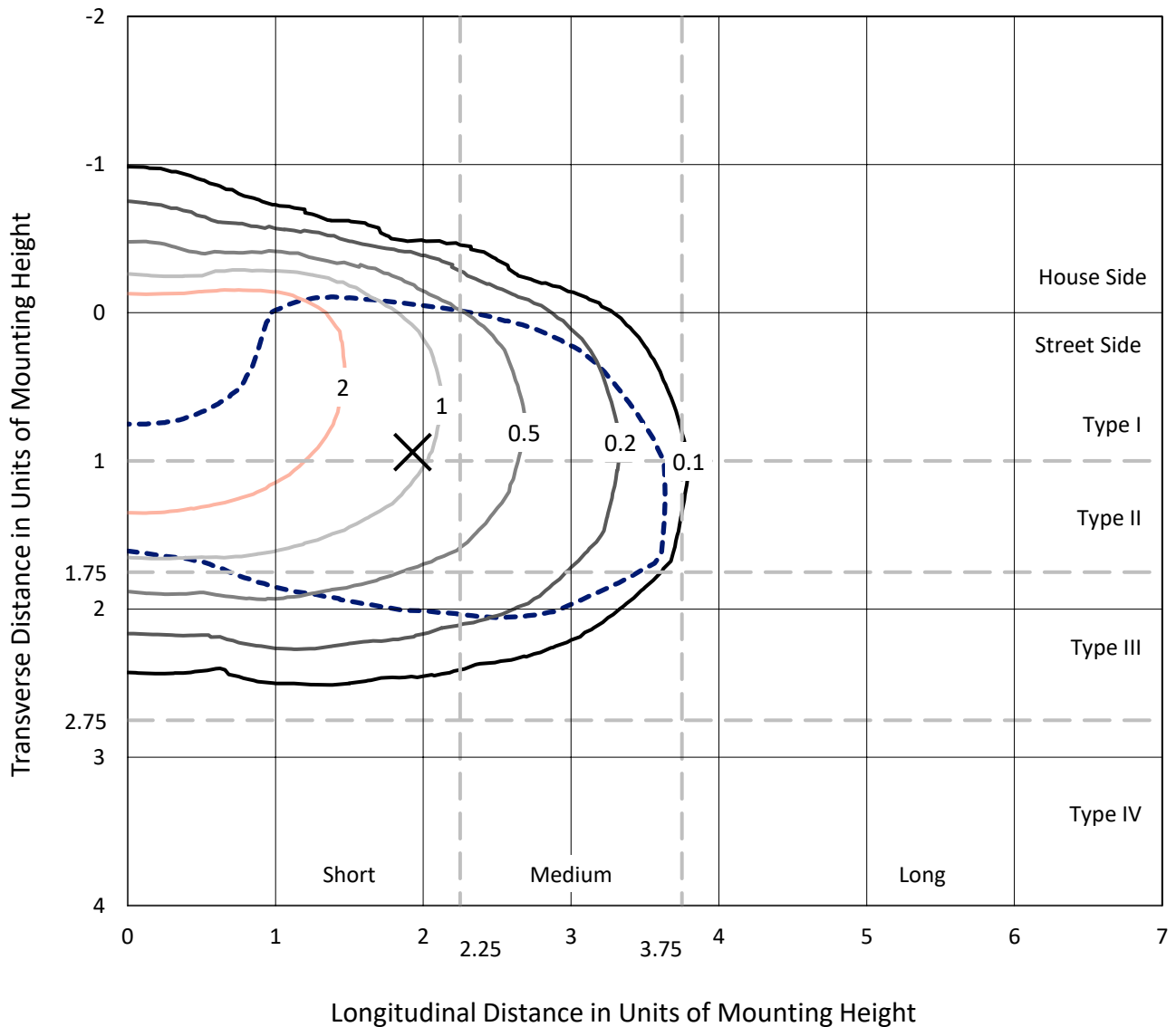
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

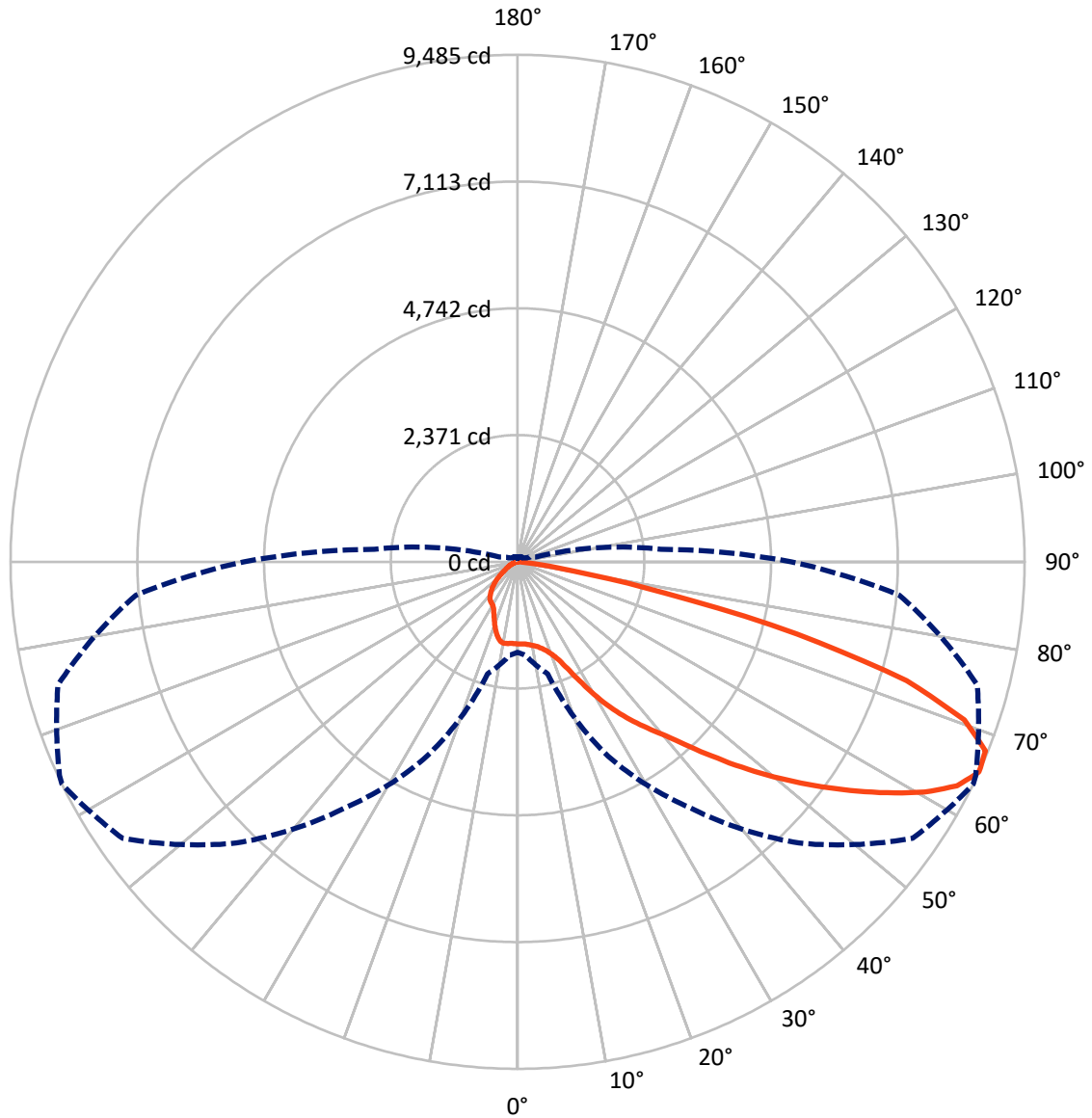
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	1767.2	0.0	1767.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11447.8	0.0	11447.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	13215.0	0.0	13215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.8	1.1
10°-20°	384.6	2.9
20°-30°	728.8	5.5
30°-40°	1474.8	11.2
40°-50°	2512.3	19.0
50°-60°	3416.6	25.9
60°-70°	3208.3	24.3
70°-80°	1285.4	9.7
80°-90°	62.3	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°	13215.0	100.0
0°-180°	13215.0	100.0

Coefficient of Utilization



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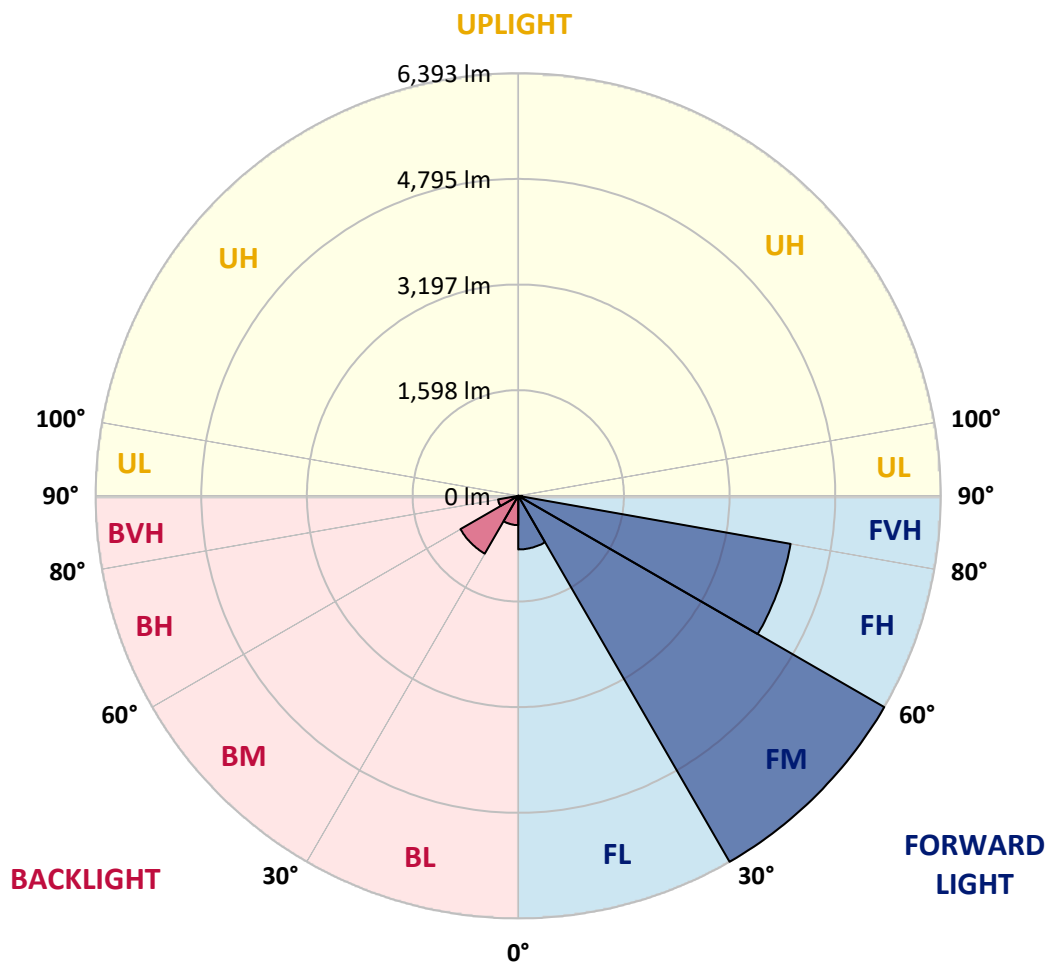
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	811.6	6.1			
FM (30°-60°)	6393.4	48.4			
FH (60°-80°)	4183.6	31.7			G2/5000
FVH (80°-90°)	59.2	0.4			G1/100
BL (0°-30°)	443.7	3.4	B1/500		
BM (30°-60°)	1010.3	7.6	B2/2500		
BH (60°-80°)	310.2	2.3	B1/500		G1/500
BVH (80°-90°)	3.0	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1537.0	1537.0	1537.0	1537.0	1537.0	1537.0	1537.0	1537.0	1537.0	1537.0
2.5°	1531.7	1542.4	1539.7	1537.0	1536.2	1537.9	1538.8	1537.9	1537.9	1537.9
5°	1502.5	1511.4	1511.4	1517.6	1526.4	1537.0	1545.0	1546.8	1548.6	1551.2
7.5°	1446.7	1453.8	1459.1	1479.5	1501.6	1530.0	1553.9	1566.3	1568.0	1577.8
10°	1408.6	1417.4	1426.3	1447.6	1479.5	1522.0	1562.7	1592.9	1597.3	1620.3
12.5°	1406.8	1415.7	1427.2	1450.2	1487.4	1532.6	1582.2	1625.6	1633.6	1667.3
15°	1425.4	1436.0	1446.7	1475.0	1514.9	1569.8	1623.0	1677.0	1685.0	1732.8
17.5°	1463.5	1477.7	1485.7	1514.0	1556.5	1617.7	1687.6	1749.7	1756.7	1812.6
20°	1538.8	1555.6	1558.3	1581.3	1623.0	1688.5	1771.8	1848.9	1857.7	1921.5
22.5°	1694.7	1718.7	1697.4	1708.9	1746.1	1811.7	1902.0	1999.5	2011.9	2084.5
25°	1969.4	2003.0	1948.1	1928.6	1944.6	2012.8	2126.2	2249.3	2263.5	2322.0
27.5°	2508.9	2465.5	2382.2	2300.7	2252.9	2291.8	2419.4	2571.8	2589.5	2646.2
30°	3101.5	3063.5	2950.9	2770.2	2656.8	2650.6	2768.4	2938.5	2958.9	3013.0
32.5°	3695.1	3658.8	3536.5	3314.2	3117.5	3020.0	3101.5	3290.2	3300.9	3335.4
35°	4278.9	4241.7	4119.4	3891.8	3649.9	3428.4	3412.5	3625.1	3628.7	3665.0
37.5°	4866.3	4835.3	4705.0	4481.8	4243.5	3937.8	3789.9	3942.3	3946.7	3982.1
40°	5285.3	5298.6	5209.1	5036.4	4831.7	4497.7	4213.4	4279.8	4253.2	4312.6
42.5°	5645.0	5671.6	5593.6	5506.8	5388.1	5093.9	4737.8	4726.3	4683.8	4715.7
45°	5955.9	5978.1	5908.1	5887.7	5885.1	5678.6	5311.0	5241.9	5182.5	5176.3
47.5°	6070.2	6112.7	6142.9	6211.1	6344.0	6257.1	5903.7	5796.5	5730.0	5681.3
50°	6113.6	6158.8	6261.6	6460.0	6774.5	6811.7	6493.7	6373.2	6291.7	6203.1
52.5°	6055.1	6135.8	6274.0	6608.0	7064.2	7256.4	7059.8	6954.3	6861.3	6716.9
55°	5710.5	5791.1	6073.8	6606.2	7208.6	7568.3	7594.8	7547.9	7443.4	7215.7
57.5°	4984.1	5103.7	5551.1	6381.2	7205.9	7836.7	8119.3	8153.0	8036.0	7710.0
60°	3977.7	4139.8	4685.5	5882.4	6983.6	7982.0	8579.1	8747.4	8623.4	8197.3
62.5°	2775.5	2963.3	3479.8	5101.0	6475.1	7877.4	8914.8	9225.8	9131.9	8633.1
65°	1693.0	1753.2	2169.6	4014.0	5610.4	7439.8	9018.5	9484.5	9453.5	8899.8
67.5°	1127.8	1178.3	1297.8	2752.5	4355.1	6565.4	8770.4	9439.3	9448.2	8856.4
70°	679.5	722.9	800.9	1600.8	2822.5	5196.7	8002.4	8863.5	8914.8	8276.1
72.5°	279.9	309.2	380.1	725.6	1461.7	3298.2	6372.3	7609.9	7729.5	6958.8
75°	158.6	173.6	223.2	364.1	634.3	1537.0	3859.9	5402.2	5578.5	4796.3
77.5°	105.4	112.5	144.4	235.7	357.0	524.5	1649.6	2814.5	3151.2	2619.6
80°	70.9	77.1	99.2	157.7	232.1	225.0	525.3	1042.7	1282.8	900.1
82.5°	47.8	48.7	70.9	103.7	147.1	109.0	155.0	324.2	407.5	260.5
85°	27.5	26.6	52.3	60.2	65.6	45.2	47.0	97.4	127.6	109.9
87.5°	3.5	5.3	20.4	15.9	8.9	9.7	9.7	16.8	24.8	26.6
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°
1537.0	0°	1537.0	1537.0	1537.0	1537.0	1537.0	1537.0	1537.0	1537.0	1537.0	1537.0
1538.8	2.5°	1538.8	1537.9	1535.3	1532.6	1526.4	1522.9	1524.6	1522.9	1522.0	1522.9
1550.3	5°	1550.3	1547.7	1540.6	1531.7	1519.3	1504.3	1494.5	1480.3	1467.1	1459.1
1581.3	7.5°	1581.3	1578.7	1568.9	1544.1	1504.3	1441.4	1383.8	1333.3	1295.2	1273.0
1630.9	10°	1630.9	1626.5	1611.5	1556.5	1452.0	1314.7	1200.4	1105.6	1043.6	1014.4
1689.4	12.5°	1689.4	1684.1	1657.5	1545.0	1352.8	1138.4	980.7	875.3	817.7	792.0
1756.7	15°	1758.5	1751.4	1699.2	1490.1	1208.4	943.5	799.1	720.2	683.0	660.0
1842.7	17.5°	1844.5	1832.0	1730.2	1407.7	1051.6	794.7	687.5	628.1	595.3	573.2
1955.2	20°	1956.1	1935.7	1755.0	1309.4	907.2	700.7	612.2	562.5	537.7	518.3
2114.7	22.5°	2112.0	2082.8	1785.1	1203.1	805.3	636.1	556.3	520.0	499.6	477.5
2337.0	25°	2305.1	2270.6	1822.3	1104.7	735.3	580.3	515.6	485.5	461.6	435.9
2628.5	27.5°	2575.3	2513.3	1866.6	1024.1	675.1	532.4	478.4	444.7	417.3	396.0
2958.9	30°	2876.5	2774.6	1905.6	975.4	620.1	488.1	429.7	396.0	370.3	355.2
3255.7	32.5°	3161.8	3023.6	1931.3	954.1	570.5	437.6	376.5	340.2	320.7	316.3
3546.3	35°	3431.1	3248.6	1928.6	933.7	526.2	387.1	324.2	287.0	272.0	274.6
3859.0	37.5°	3741.2	3488.7	1910.0	901.8	489.9	341.1	279.1	246.3	233.0	233.9
4239.0	40°	4101.7	3766.0	1898.5	841.6	450.0	298.5	241.9	215.3	205.5	202.0
4639.5	42.5°	4486.2	4034.4	1900.3	773.4	400.4	260.5	216.2	194.0	185.2	182.5
5085.1	45°	4872.5	4290.4	1902.9	702.5	348.2	231.2	197.6	179.0	173.6	170.1
5536.9	47.5°	5235.7	4508.4	1853.3	626.3	296.8	209.1	182.5	170.1	165.7	161.2
5990.5	50°	5574.1	4653.6	1733.7	537.7	256.0	191.4	171.0	162.1	157.7	153.3
6401.5	52.5°	5837.2	4676.7	1536.2	446.5	227.7	178.1	163.9	155.9	150.6	146.2
6733.7	55°	5954.2	4532.3	1255.3	361.4	205.5	166.5	156.8	148.8	142.6	138.2
6995.1	57.5°	5924.0	4228.4	978.9	290.6	184.3	155.0	147.9	142.6	135.5	128.5
7206.8	60°	5776.1	3821.8	738.0	241.9	164.8	142.6	138.2	133.8	124.0	113.4
7288.3	62.5°	5520.1	3310.6	526.2	200.2	143.5	128.5	126.7	123.1	109.0	89.5
7167.8	65°	5128.5	2689.6	354.4	166.5	123.1	112.5	113.4	107.2	88.6	66.4
6726.7	67.5°	4556.2	1966.7	226.8	136.4	102.8	93.9	94.8	91.2	75.3	56.7
5890.4	70°	3827.1	1302.3	147.9	103.7	82.4	72.6	78.0	78.8	63.8	46.1
4520.8	72.5°	2805.7	769.0	103.7	77.1	60.2	50.5	63.8	65.6	51.4	34.6
2719.7	75°	1599.1	365.0	78.0	55.8	37.2	35.4	49.6	49.6	35.4	23.0
1177.4	77.5°	671.5	152.4	54.9	36.3	21.3	20.4	33.7	31.0	17.7	10.6
287.0	80°	194.0	68.2	29.2	17.7	8.9	8.0	13.3	9.7	4.4	1.8
109.0	82.5°	76.2	30.1	11.5	7.1	3.5	3.5	1.8	0.0	0.0	0.0
62.0	85°	45.2	12.4	5.3	2.7	0.9	0.0	0.0	0.0	0.0	0.0
13.3	87.5°	11.5	2.7	1.8	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

(END O

180°
1537.0
1526.4
1460.9
1273.9
1011.7
789.3
660.9
571.4
514.7
474.0
433.2
391.6
352.6
318.9
274.6
237.4
201.1
181.6
170.1
161.2
153.3
145.3
137.3
127.6
111.6
87.7
64.7
54.0
44.3
32.8
21.3
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