

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: P845992

Luminaire Tested: **GLAN-SB1B-930-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845992  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-930-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2653 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

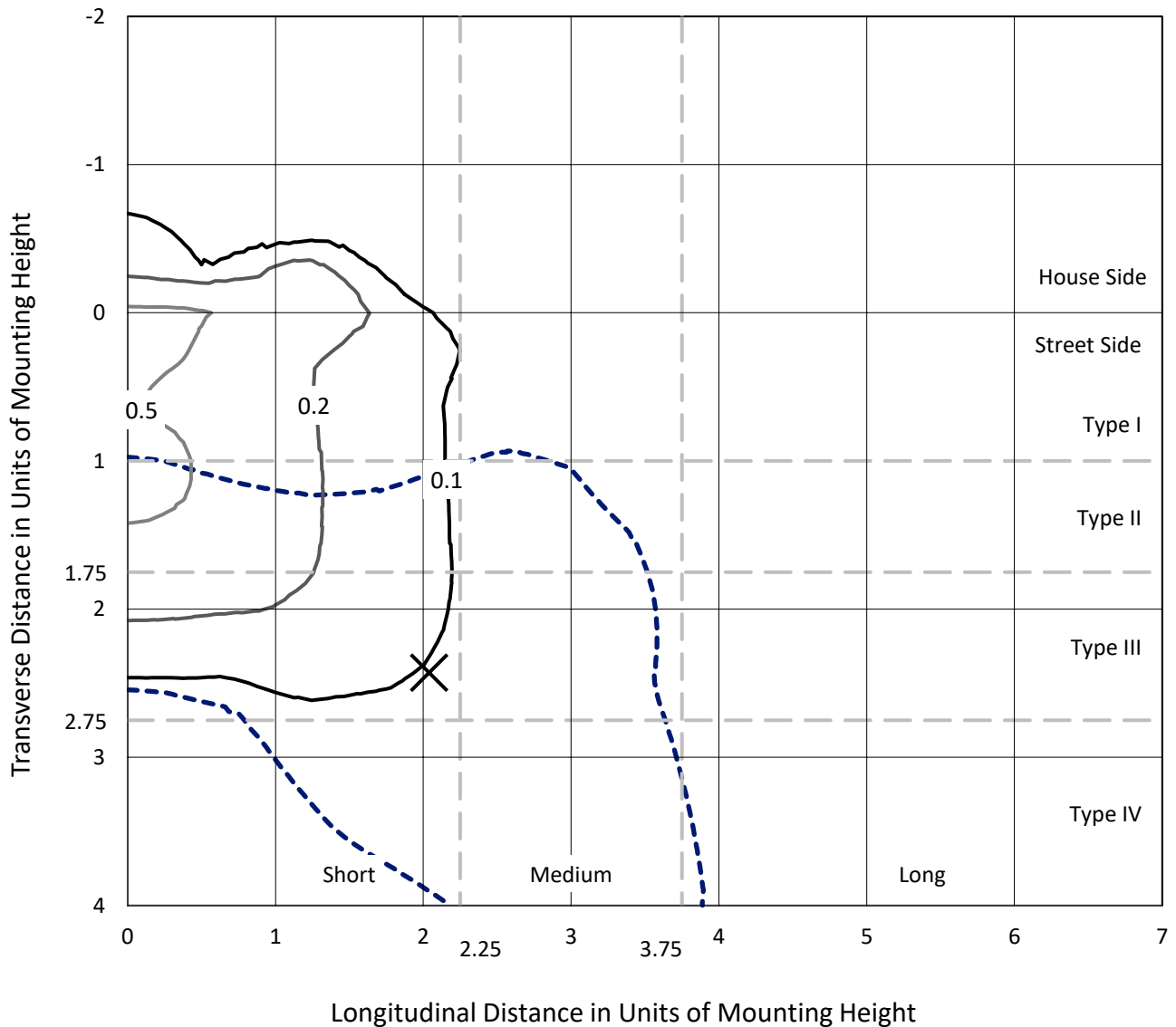
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

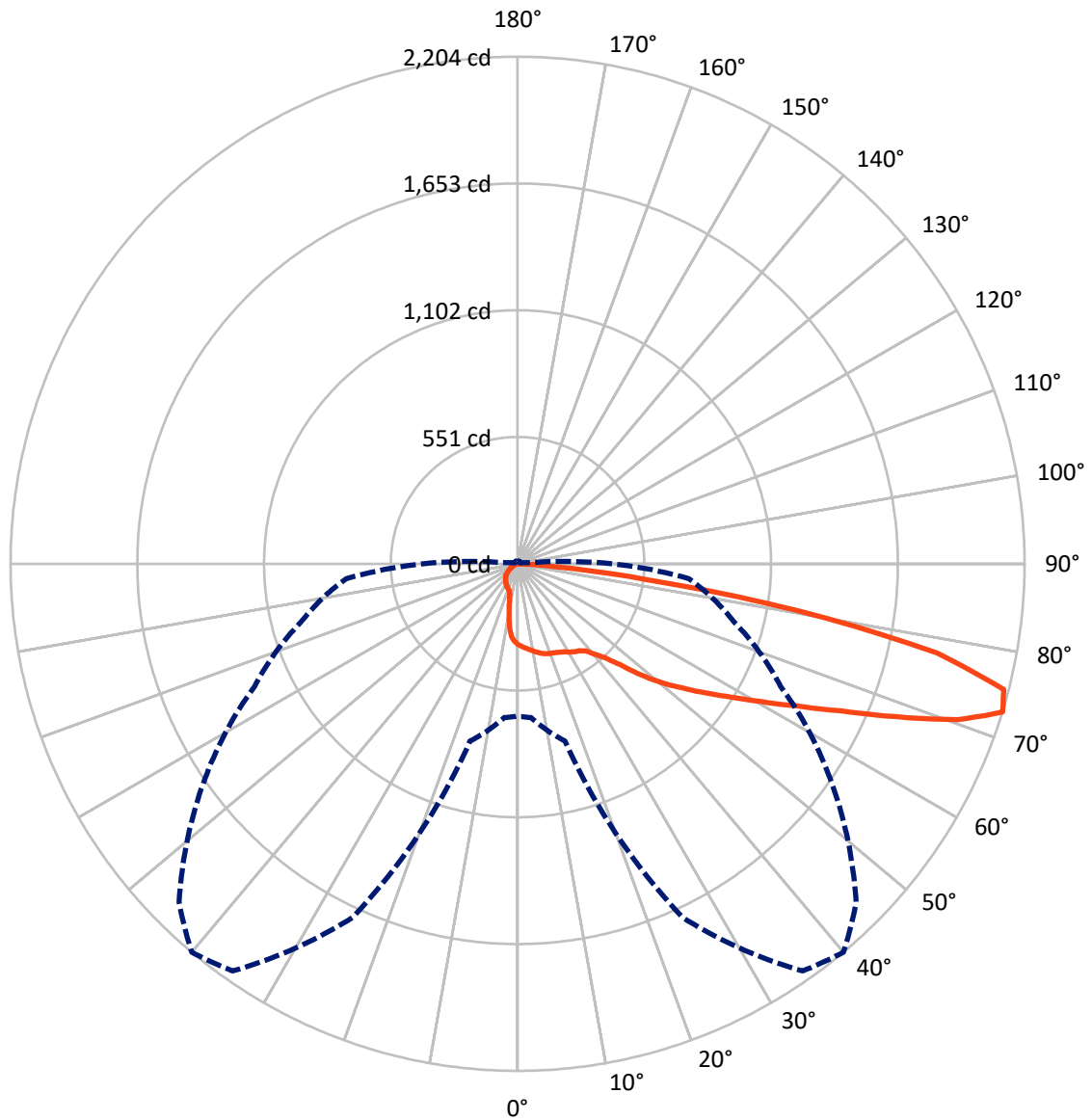
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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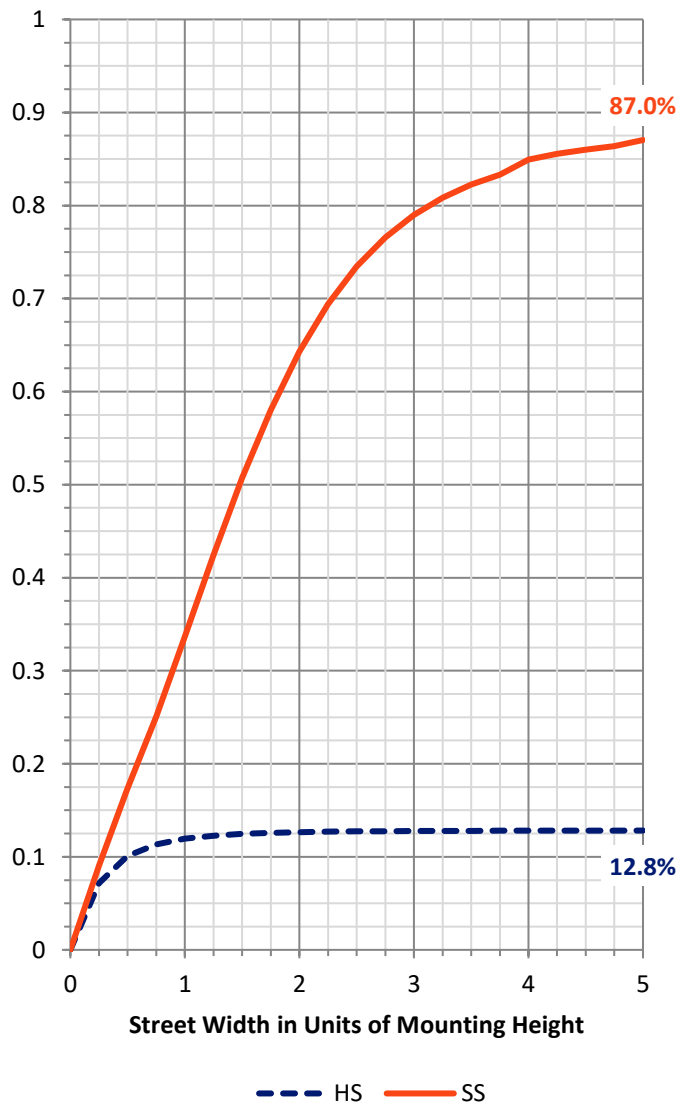
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	342.6	0.0	342.6
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	2310.4	0.0	2310.4
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	2653.0	0.0	2653.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.1	1.2
10°-20°	87.1	3.3
20°-30°	141.0	5.3
30°-40°	208.1	7.8
40°-50°	350.3	13.2
50°-60°	543.9	20.5
60°-70°	680.6	25.7
70°-80°	557.2	21.0
80°-90°	52.8	2.0
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°	2653.0	100.0
0°-180°	2653.0	100.0

**Coefficient of Utilization**



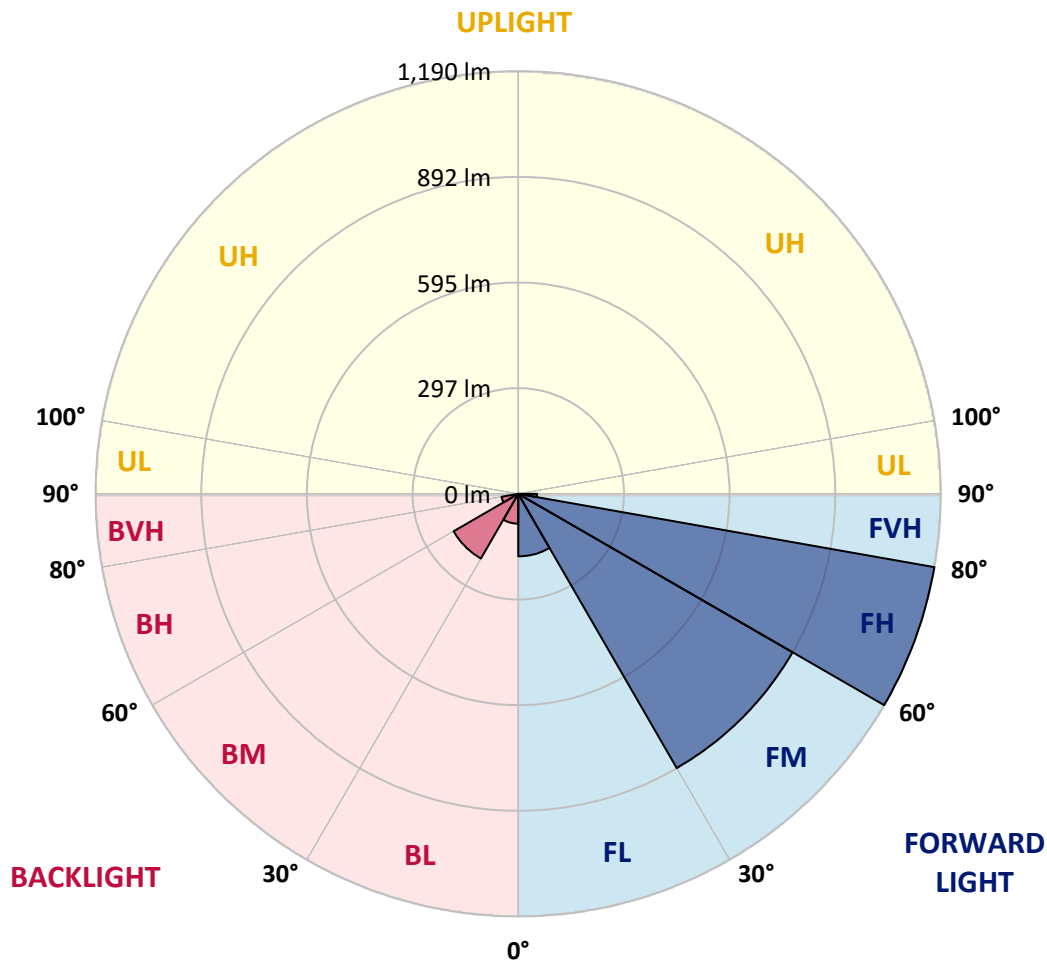
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.1	6.6			
FM (30°-60°)	891.9	33.6			
FH (60°-80°)	1190.0	44.9			G1/1800
FVH (80°-90°)	52.4	2.0			G1/100
BL (0°-30°)	84.1	3.2	B0/110		
BM (30°-60°)	210.4	7.9	B0/220		
BH (60°-80°)	47.7	1.8	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3
2.5°	361.9	363.3	362.5	360.9	360.5	359.7	358.7	358.3	356.9	355.7
5°	372.1	373.5	372.5	370.3	369.3	368.3	366.9	365.7	362.9	360.3
7.5°	383.2	384.4	383.2	380.1	378.5	377.3	375.3	373.5	370.3	366.5
10°	395.6	396.6	394.8	390.6	388.0	386.2	384.4	382.5	379.5	375.3
12.5°	407.2	408.4	405.6	400.6	397.6	395.8	393.8	392.2	389.2	385.2
15°	417.8	419.6	414.8	409.4	406.0	404.6	402.6	401.6	399.6	396.8
17.5°	425.8	427.0	422.0	415.6	411.8	410.8	409.4	410.0	409.6	408.2
20°	432.6	433.4	426.8	419.0	414.8	415.0	414.6	416.6	417.4	417.4
22.5°	441.0	441.2	432.8	423.0	418.0	419.4	420.0	422.2	423.8	425.4
25°	452.0	451.6	441.6	428.2	423.8	425.8	427.2	428.0	429.8	432.4
27.5°	468.4	467.2	454.4	436.6	431.4	433.2	435.8	435.4	434.6	436.6
30°	489.2	487.6	470.6	448.4	443.6	445.2	446.0	442.4	436.6	438.4
32.5°	522.1	519.3	495.7	461.6	454.2	456.0	455.0	447.6	439.0	440.8
35°	579.5	572.7	539.3	489.2	466.2	464.2	461.8	454.6	444.0	442.2
37.5°	701.4	689.4	632.4	542.9	493.3	480.4	473.0	465.8	449.4	442.2
40°	838.8	826.6	760.9	632.8	538.5	516.5	498.9	479.0	455.0	444.8
42.5°	982.3	968.9	901.4	744.3	603.0	557.9	525.1	489.6	464.2	452.8
45°	1142.6	1125.8	1037.5	860.6	696.8	626.6	567.3	511.3	480.2	467.0
47.5°	1311.6	1289.8	1173.1	973.5	797.7	721.7	644.4	550.3	503.7	488.2
50°	1461.5	1439.9	1313.2	1091.6	892.0	812.3	732.3	604.2	539.1	518.1
52.5°	1569.2	1552.8	1440.7	1213.5	990.1	897.2	812.1	667.0	583.9	556.5
55°	1641.3	1626.3	1531.0	1329.0	1104.2	990.7	890.6	735.1	637.8	602.4
57.5°	1685.1	1676.5	1596.3	1432.1	1217.3	1093.0	980.5	810.1	701.4	656.6
60°	1700.6	1693.7	1636.9	1530.4	1354.0	1215.9	1086.2	894.6	778.5	718.1
62.5°	1659.1	1660.5	1666.1	1646.9	1498.0	1359.8	1212.9	996.1	864.0	787.9
65°	1463.5	1475.1	1581.4	1776.0	1688.9	1540.0	1374.1	1120.0	961.9	867.2
67.5°	1211.7	1228.5	1360.8	1851.5	1892.3	1774.0	1598.7	1277.8	1078.6	947.9
70°	927.6	945.5	1105.8	1835.7	2082.7	2029.7	1876.5	1478.6	1199.5	1003.9
72.5°	662.0	671.2	797.5	1695.2	2160.8	2204.0	2081.1	1668.9	1261.2	972.9
75°	465.2	463.6	547.3	1365.2	2039.1	2182.8	2009.4	1566.0	1141.4	772.9
77.5°	202.6	203.0	273.3	829.0	1627.5	1864.3	1670.3	980.9	795.7	409.6
80°	52.6	54.2	100.3	330.1	979.9	1230.5	1018.7	431.2	367.7	99.9
82.5°	18.6	19.8	46.2	103.7	361.5	564.3	453.6	137.9	95.9	28.6
85°	5.4	6.4	24.8	31.8	74.7	159.5	110.1	26.8	23.6	14.8
87.5°	0.0	0.8	5.0	4.4	4.4	3.0	5.6	3.0	3.8	1.8
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°
351.3	0°	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3
354.3	2.5°	353.1	351.7	348.7	345.5	342.5	339.7	338.9	335.9	334.5	334.7
357.1	5°	354.9	352.3	346.5	339.5	332.3	324.1	317.3	307.7	299.5	298.5
362.5	7.5°	359.7	355.5	346.1	332.5	314.5	291.9	271.0	250.2	238.4	232.0
370.5	10°	367.1	361.5	347.1	321.1	282.9	242.6	210.8	184.6	171.2	165.0
380.3	12.5°	375.9	369.7	348.7	301.7	242.2	189.2	154.9	138.9	136.1	135.7
392.2	15°	388.2	381.5	350.5	275.5	198.0	144.1	128.3	128.5	130.7	131.9
405.2	17.5°	402.0	395.2	347.9	243.6	154.5	123.1	122.7	124.5	127.7	128.9
417.2	20°	416.0	409.6	338.7	206.0	124.9	117.3	118.9	120.9	124.1	125.7
429.0	22.5°	430.4	424.8	324.1	166.0	112.7	113.1	115.1	117.1	120.7	122.5
440.6	25°	445.8	441.0	304.7	133.1	107.5	108.7	111.3	113.7	117.5	119.7
450.4	27.5°	461.4	457.8	282.7	111.1	102.7	104.1	107.1	110.3	114.1	116.7
459.0	30°	478.4	476.4	265.2	102.9	98.1	99.3	102.7	106.3	110.5	113.7
467.6	32.5°	495.7	495.3	256.6	108.9	93.9	94.7	97.7	101.3	106.5	110.5
474.8	35°	512.9	513.7	251.6	125.9	92.5	90.3	92.3	95.5	101.7	106.7
483.0	37.5°	534.9	536.9	251.4	144.3	95.9	85.9	87.3	89.5	94.9	100.7
495.7	40°	567.7	578.3	264.2	160.1	101.9	81.9	82.3	82.7	85.5	90.3
512.7	42.5°	611.2	642.2	310.3	170.8	104.3	78.3	76.9	74.7	74.3	76.9
535.9	45°	665.4	719.5	391.4	176.8	101.9	74.3	70.5	64.7	62.5	64.3
567.3	47.5°	729.1	804.3	487.6	178.2	97.9	69.3	62.5	54.9	53.2	53.8
609.4	50°	791.3	867.8	572.1	166.6	91.3	62.9	53.8	47.4	46.2	46.4
659.2	52.5°	846.2	889.6	596.1	139.3	82.5	55.1	46.2	41.8	41.0	41.0
714.1	55°	882.6	866.0	531.5	106.5	71.5	47.2	39.6	37.4	37.0	36.8
775.5	57.5°	890.2	789.3	401.4	76.9	55.9	39.8	35.2	34.0	33.2	32.4
838.4	60°	863.0	661.4	255.6	53.8	42.0	34.0	31.2	30.4	28.8	27.2
897.6	62.5°	804.3	499.5	141.5	37.4	33.8	29.0	27.6	26.6	23.6	21.0
944.5	65°	725.3	332.1	62.5	29.2	27.6	24.4	23.6	22.2	18.6	15.6
962.3	67.5°	646.0	191.2	28.2	23.4	22.2	20.0	19.4	18.4	15.8	13.0
917.0	70°	555.5	96.9	19.4	18.6	17.2	15.2	15.8	15.6	13.0	10.6
747.9	72.5°	413.6	48.2	14.6	14.0	12.4	10.8	13.0	12.8	10.2	8.0
461.2	75°	234.2	23.8	10.6	9.8	7.4	8.0	10.4	9.8	7.0	5.2
194.6	77.5°	92.9	12.2	7.0	6.0	4.4	5.4	7.6	6.6	3.6	2.2
37.2	80°	21.4	6.0	3.6	2.6	2.0	3.2	4.0	2.4	1.0	0.2
10.0	82.5°	6.0	2.6	1.2	1.0	1.0	1.2	1.0	0.4	0.0	0.0
2.6	85°	2.0	1.2	0.4	0.2	0.2	0.2	0.2	0.0	0.0	0.0
0.8	87.5°	0.8	0.4	0.0	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°
351.3
334.5
297.9
231.6
163.9
135.5
131.7
128.7
125.7
122.5
119.7
116.9
114.1
110.9
107.5
101.7
91.9
78.3
64.3
53.6
46.4
40.8
36.4
32.0
26.6
20.2
15.0
12.6
10.2
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