

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: P849055

Luminaire Tested: **GLAN-SB5D-930-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849055  
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-SB5D-930-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 900mA 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: 25324 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

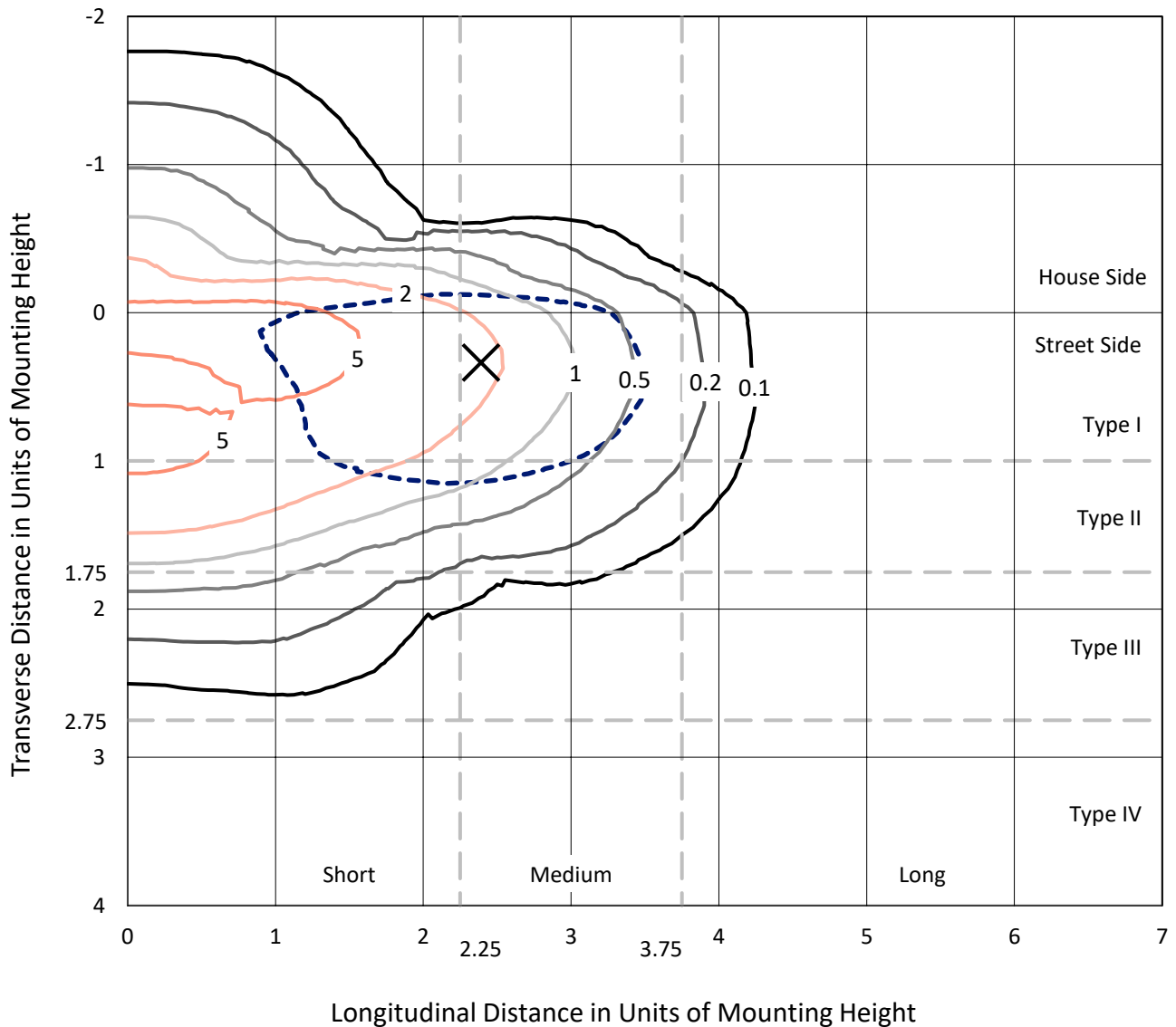
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

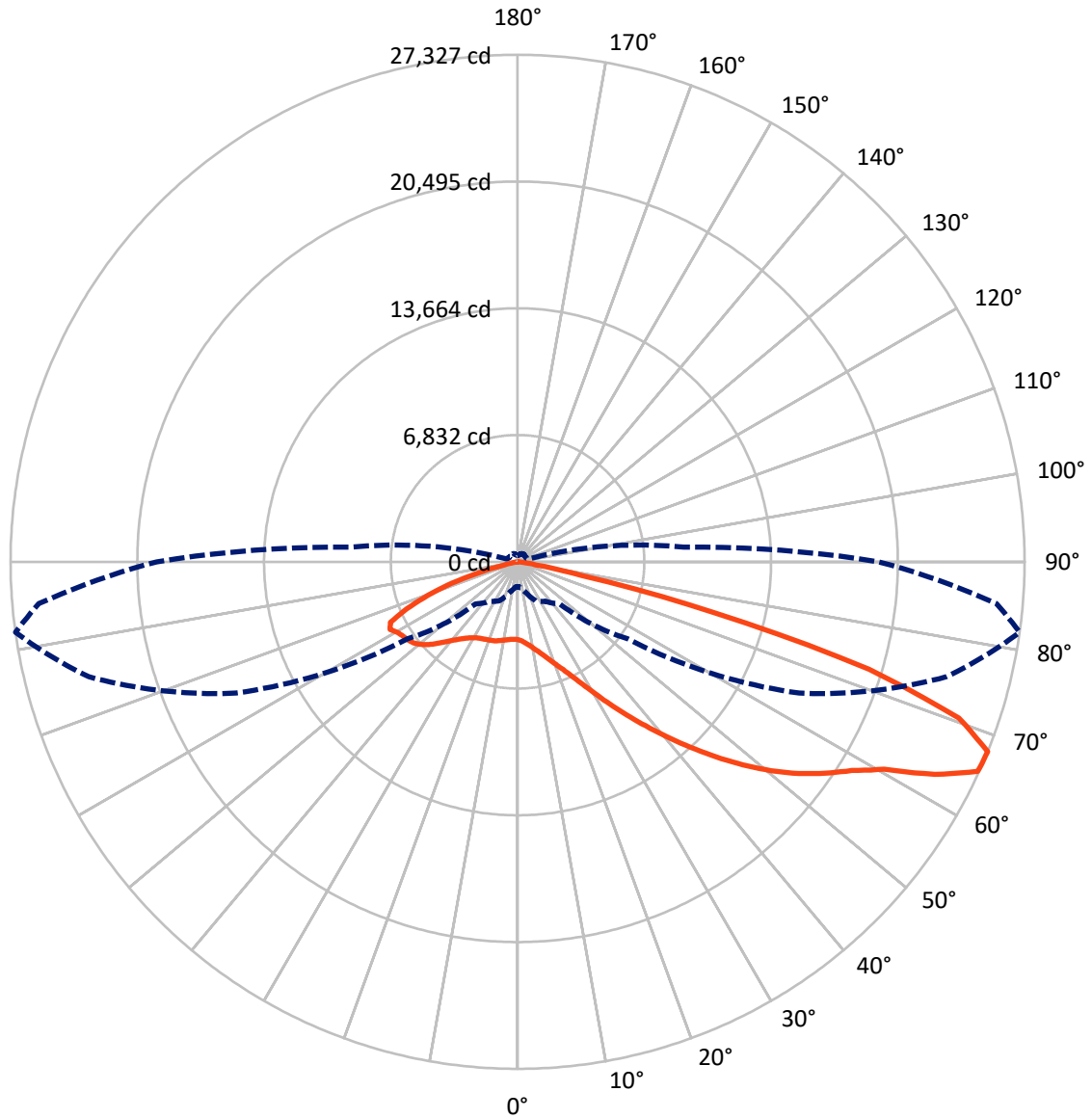
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	4587.2	0.0	4587.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	20736.8	0.0	20736.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	25324.0	0.0	25324.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.8	1.5
10°-20°	971.3	3.8
20°-30°	1555.7	6.1
30°-40°	2750.9	10.9
40°-50°	4819.9	19.0
50°-60°	6428.4	25.4
60°-70°	5984.5	23.6
70°-80°	2296.8	9.1
80°-90°	142.7	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°	25324.0	100.0
0°-180°	25324.0	100.0

**Coefficient of Utilization**

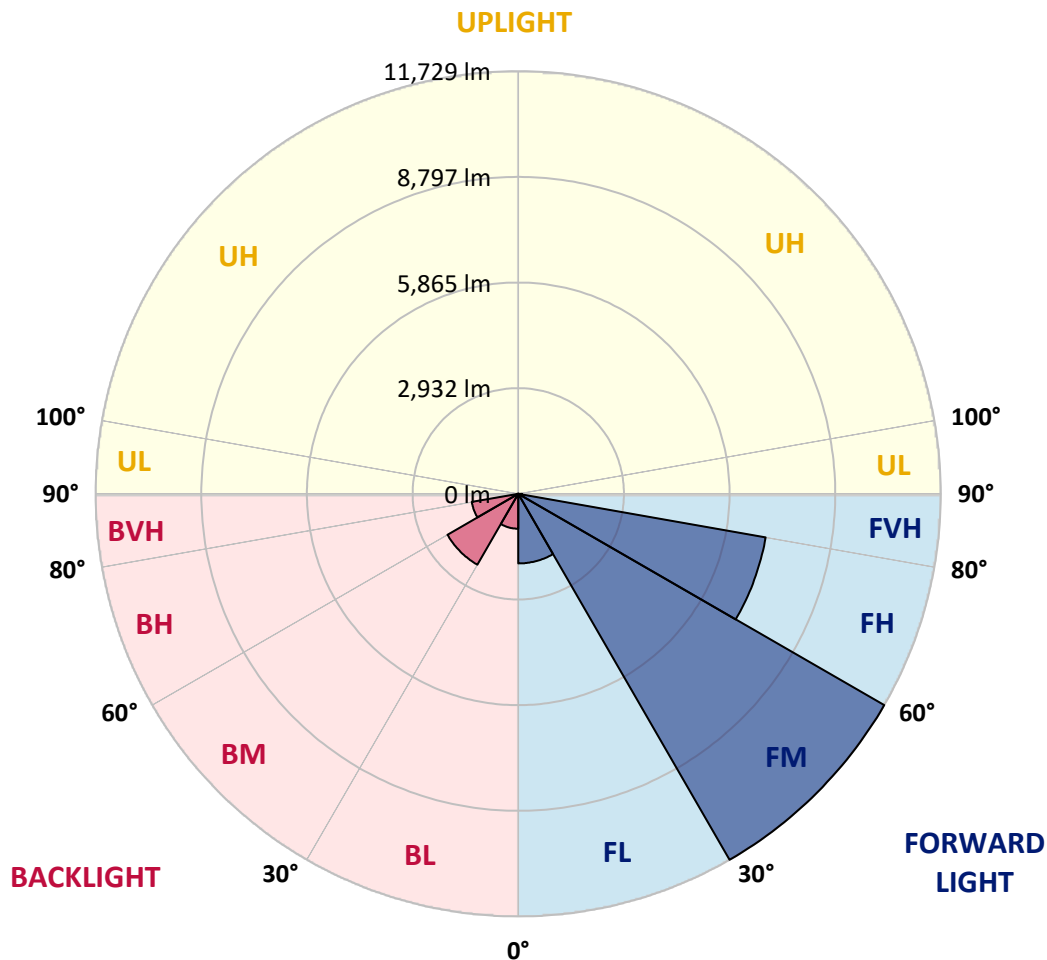


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1931.9	7.6			
FM (30°-60°)	11729.0	46.3			
FH (60°-80°)	6972.1	27.5			G3/7500
FVH (80°-90°)	103.7	0.4			G2/225
BL (0°-30°)	968.8	3.8	B2/1000		
BM (30°-60°)	2270.2	9.0	B2/2500		
BH (60°-80°)	1309.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	38.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4195.3	4195.3	4195.3	4195.3	4195.3	4195.3	4195.3	4195.3	4195.3	4195.3
2.5°	4434.2	4459.7	4445.1	4437.8	4425.1	4406.8	4392.2	4346.7	4299.3	4268.3
5°	4523.5	4549.0	4547.2	4554.5	4563.6	4569.1	4565.5	4514.4	4446.9	4394.1
7.5°	4446.9	4476.1	4499.8	4536.3	4600.1	4667.6	4700.4	4689.4	4620.2	4547.2
10°	4230.0	4261.0	4317.5	4403.2	4538.1	4684.0	4806.1	4862.6	4818.9	4738.7
12.5°	3832.5	3863.5	3974.7	4160.7	4386.8	4640.2	4873.6	5024.9	5035.9	4955.6
15°	3385.8	3416.8	3535.3	3768.7	4113.3	4519.9	4910.0	5196.3	5292.9	5223.7
17.5°	3108.7	3136.0	3225.4	3413.1	3772.3	4279.2	4897.3	5378.6	5599.2	5544.5
20°	3024.8	3048.5	3090.4	3221.7	3520.7	4029.4	4813.4	5550.0	5929.3	5898.3
22.5°	3114.1	3136.0	3148.8	3207.1	3394.9	3865.3	4707.7	5725.0	6312.1	6315.8
25°	3320.2	3342.0	3327.5	3363.9	3446.0	3814.3	4667.6	5931.1	6793.5	6833.6
27.5°	3659.3	3661.1	3626.5	3624.6	3637.4	3890.8	4709.5	6151.7	7400.6	7475.4
30°	4339.4	4312.0	4178.9	4034.9	3969.2	4120.6	4826.2	6412.4	8117.2	8250.3
32.5°	5387.7	5347.6	5103.3	4758.7	4412.3	4490.7	5035.9	6709.6	8897.5	9138.2
35°	6525.5	6514.5	6259.3	5746.9	5141.6	5017.6	5376.8	7099.8	9749.0	10131.9
37.5°	7583.0	7577.5	7431.6	6828.1	6091.5	5752.4	5923.8	7610.3	10660.6	11214.9
40°	8549.3	8565.7	8419.8	7880.1	7138.1	6695.0	6667.7	8241.2	11674.4	12394.5
42.5°	9384.3	9402.6	9254.9	8855.6	8171.9	7737.9	7581.1	9014.2	12664.4	13661.7
45°	9951.4	10064.4	10042.5	9723.5	9233.0	8782.7	8678.7	9984.2	13793.0	15005.5
47.5°	10111.8	10215.7	10379.8	10423.6	10124.6	9681.5	9805.5	11152.9	14934.4	16351.0
50°	9716.2	9812.8	10153.8	10607.7	10815.6	10678.9	10901.3	12405.5	16103.1	17693.0
52.5°	8935.8	9034.3	9464.6	10182.9	11030.7	11461.0	12000.7	13639.8	17235.3	18963.8
55°	7807.2	7911.1	8463.6	9276.8	10620.5	11783.8	12917.8	14872.4	18272.7	20107.0
57.5°	6272.0	6348.6	6922.9	8060.6	9588.5	11462.9	13594.3	16217.9	19250.0	21230.1
60°	4087.8	4155.2	4822.5	6091.5	7878.3	10390.8	13729.2	17718.5	20548.2	22690.5
62.5°	2718.5	2764.1	3159.7	4091.4	5548.2	8332.3	12939.7	18916.4	22451.7	25232.1
65°	1865.2	1910.8	2306.4	2955.5	3584.5	5511.7	10669.7	18757.7	24176.5	27250.5
67.5°	1331.0	1369.3	1704.8	2317.4	2594.5	3201.7	7232.9	16730.3	23928.5	27327.1
70°	953.6	975.4	1252.6	1805.0	2062.1	1923.5	4022.1	12795.7	20951.1	25234.0
72.5°	667.3	674.6	869.7	1374.7	1661.0	1403.9	1914.4	8531.1	15846.0	19806.1
75°	452.2	461.3	585.3	1008.3	1332.8	1072.1	1013.7	4574.6	9302.3	10963.3
77.5°	277.1	280.8	377.4	689.2	997.3	816.8	652.7	1938.1	3599.1	3533.5
80°	156.8	156.8	240.7	428.5	680.1	526.9	457.6	824.1	1139.5	1001.0
82.5°	87.5	89.3	175.0	266.2	450.3	311.8	251.6	381.1	492.3	435.8
85°	36.5	40.1	107.6	125.8	215.1	155.0	102.1	160.4	182.3	162.3
87.5°	3.6	5.5	32.8	23.7	25.5	31.0	14.6	31.0	25.5	25.5
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°
4195.3	0°	4195.3	4195.3	4195.3	4195.3	4195.3	4195.3	4195.3	4195.3	4195.3	4195.3
4257.3	2.5°	4222.7	4195.3	4126.0	4045.8	3940.1	3889.0	3819.7	3772.3	3732.2	3735.9
4363.1	5°	4304.7	4235.4	4080.5	3887.2	3646.5	3475.1	3292.8	3167.0	3064.9	3043.0
4508.9	7.5°	4417.8	4308.4	4036.7	3688.5	3281.9	2973.7	2698.4	2521.6	2395.8	2355.7
4685.8	10°	4563.6	4405.0	3980.2	3438.7	2853.4	2461.4	2166.0	2027.5	1941.8	1912.6
4893.6	12.5°	4733.2	4516.2	3905.4	3134.2	2412.2	2034.8	1847.0	1777.7	1750.3	1741.2
5148.9	15°	4946.5	4654.8	3792.4	2773.2	2038.4	1774.0	1693.8	1684.7	1688.3	1684.7
5455.2	17.5°	5199.9	4806.1	3608.2	2401.2	1786.8	1640.9	1611.8	1619.1	1628.2	1626.4
5798.0	20°	5477.1	4955.6	3373.0	2071.2	1615.4	1546.1	1529.7	1537.0	1544.3	1540.7
6193.6	22.5°	5792.5	5116.1	3112.3	1814.1	1500.5	1458.6	1440.4	1442.2	1442.2	1434.9
6695.0	25°	6169.9	5292.9	2838.8	1631.8	1413.0	1380.2	1358.3	1351.0	1340.1	1318.2
7304.0	27.5°	6620.3	5480.7	2576.3	1504.2	1343.7	1312.7	1287.2	1269.0	1241.6	1205.2
8035.1	30°	7127.1	5708.6	2353.8	1424.0	1289.0	1258.1	1228.9	1201.5	1161.4	1115.8
8875.6	32.5°	7723.3	5953.0	2191.6	1371.1	1239.8	1207.0	1172.4	1139.5	1095.8	1050.2
9820.1	35°	8434.4	6248.3	2096.8	1334.6	1201.5	1157.8	1119.5	1083.0	1050.2	1010.1
10846.6	37.5°	9205.7	6561.9	2067.6	1316.4	1176.0	1108.5	1064.8	1039.3	1035.6	1011.9
11957.0	40°	10049.8	6933.9	2089.5	1305.5	1148.7	1061.1	1013.7	1008.3	1017.4	975.4
13143.9	42.5°	10943.2	7375.1	2125.9	1292.7	1110.4	1013.7	968.2	968.2	960.9	902.5
14398.3	45°	11909.6	7883.8	2162.4	1261.7	1064.8	966.3	931.7	918.9	887.9	831.4
15660.0	47.5°	12883.2	8401.6	2189.7	1205.2	1010.1	926.2	895.2	866.1	820.5	769.4
16898.0	50°	13807.6	8866.5	2160.6	1121.3	948.1	887.9	855.1	815.0	765.8	731.1
18070.4	52.5°	14633.5	9269.5	2036.6	1022.9	882.5	847.8	818.6	776.7	736.6	700.1
19127.9	55°	15351.9	9595.8	1817.8	929.9	824.1	813.2	784.0	731.1	676.4	645.4
20176.2	57.5°	16041.1	9843.8	1544.3	853.3	771.2	774.9	731.1	683.7	632.7	599.9
21589.3	60°	16958.2	10175.6	1267.2	782.2	714.7	725.7	678.3	643.6	579.8	537.9
24012.4	62.5°	18424.1	10691.6	1006.4	694.7	649.1	652.7	632.7	590.7	514.2	464.9
25808.3	65°	19587.3	10502.0	793.1	599.9	574.3	579.8	579.8	534.2	452.2	395.6
25904.9	67.5°	19456.0	8992.3	632.7	506.9	503.2	506.9	519.6	481.3	401.1	355.5
23932.2	70°	17922.7	7152.7	506.9	421.2	437.6	428.5	464.9	439.4	361.0	315.4
18553.5	72.5°	14624.4	5152.5	386.5	348.2	335.5	350.1	419.4	395.6	300.8	249.8
9827.4	75°	8545.6	2749.5	288.1	275.3	242.5	291.7	371.9	337.3	229.7	184.1
3012.0	77.5°	2782.3	959.0	211.5	202.4	180.5	235.2	317.2	284.4	187.8	145.9
882.5	80°	745.7	289.9	144.0	133.1	116.7	175.0	251.6	226.1	134.9	94.8
379.2	82.5°	299.0	122.2	83.9	74.8	63.8	120.3	198.7	182.3	100.3	60.2
118.5	85°	96.6	40.1	31.0	23.7	29.2	74.8	118.5	124.0	71.1	31.0
18.2	87.5°	12.8	5.5	5.5	7.3	5.5	12.8	36.5	34.6	20.1	3.6
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°
4195.3
3699.4
2993.8
2315.5
1890.7
1735.7
1682.9
1622.7
1538.8
1431.3
1314.6
1201.5
1112.2
1052.0
1006.4
1010.1
977.3
902.5
829.6
767.6
725.7
696.5
641.8
596.2
532.4
461.3
390.2
348.2
310.0
244.3
178.7
140.4
93.0
60.2
23.7
0.0
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