

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: P850745

Luminaire Tested: **GLAN-SB8B-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850745  
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-SB8B-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 450mA 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: 21412 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

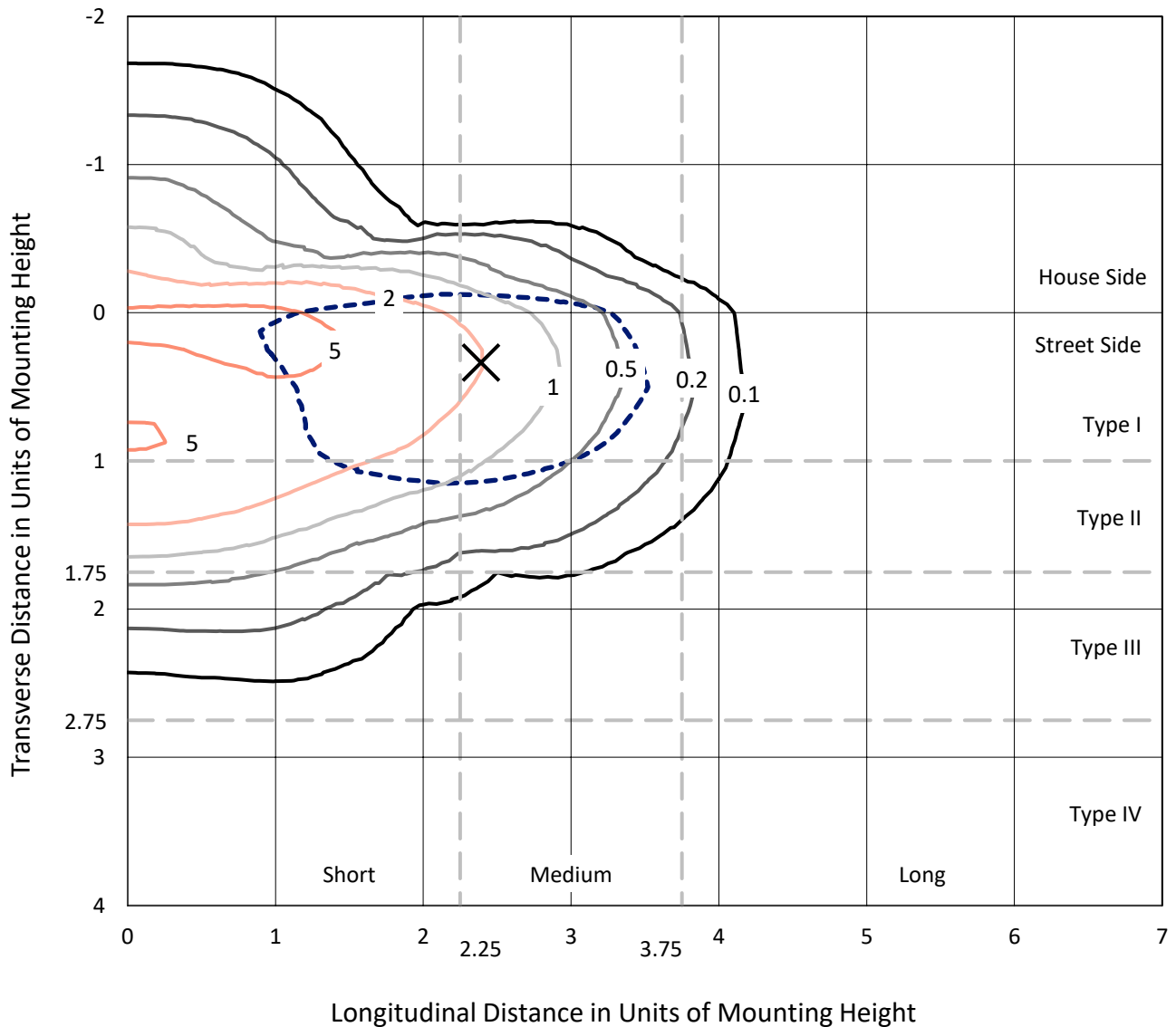
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

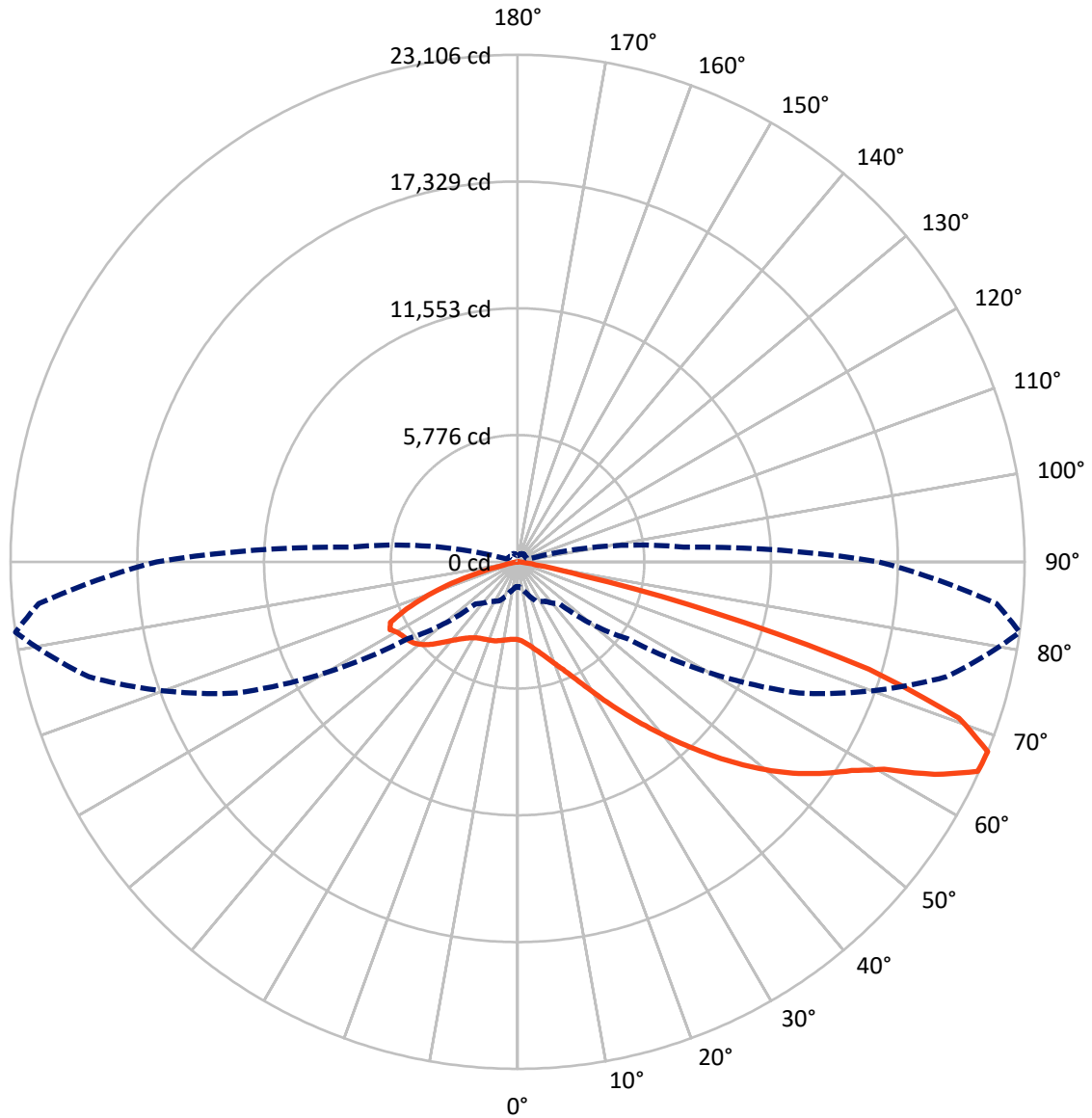
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	3878.6	0.0	3878.6
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	17533.4	0.0	17533.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	21412.0	0.0	21412.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.0	1.5
10°-20°	821.2	3.8
20°-30°	1315.4	6.1
30°-40°	2326.0	10.9
40°-50°	4075.3	19.0
50°-60°	5435.4	25.4
60°-70°	5060.0	23.6
70°-80°	1942.0	9.1
80°-90°	120.6	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°	21412.0	100.0
0°-180°	21412.0	100.0

**Coefficient of Utilization**

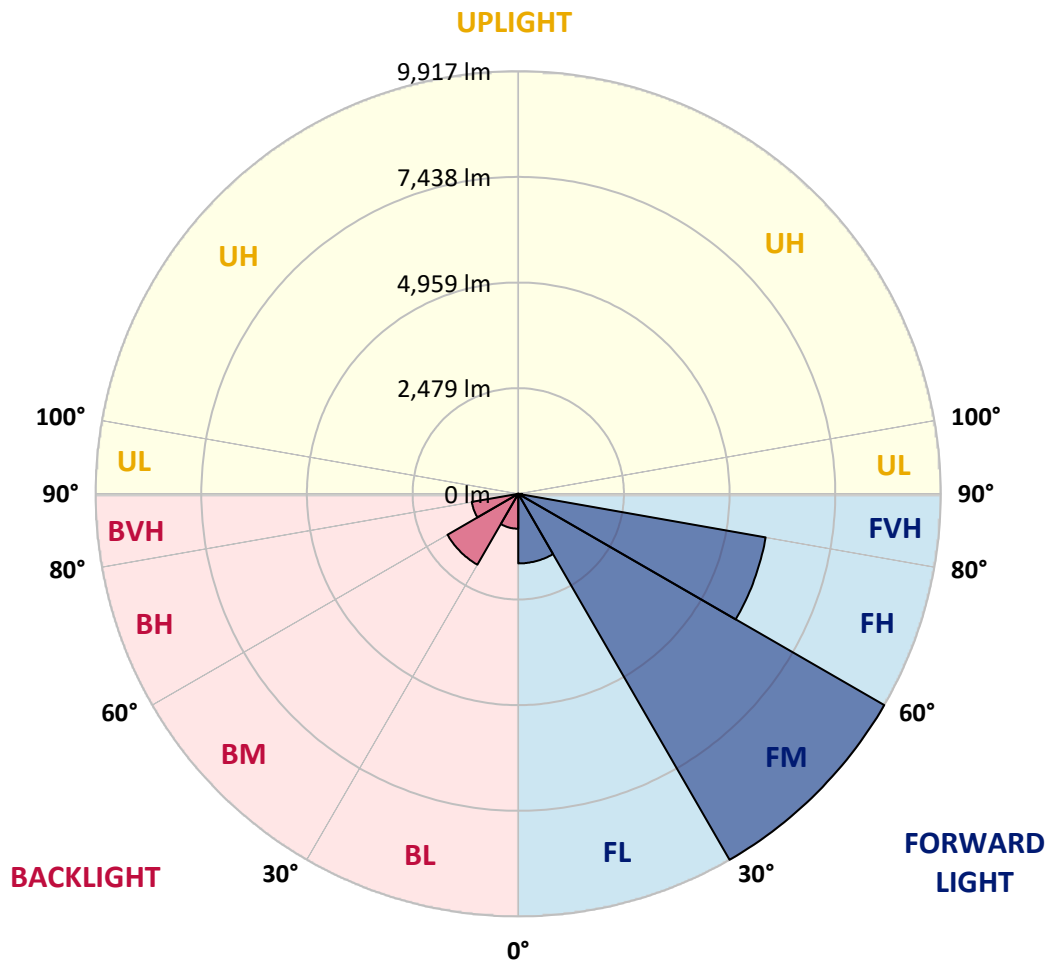


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1633.5	7.6			
FM (30°-60°)	9917.2	46.3			
FH (60°-80°)	5895.0	27.5			G3/7500
FVH (80°-90°)	87.7	0.4			G1/100
BL (0°-30°)	819.1	3.8	B2/1000		
BM (30°-60°)	1919.5	9.0	B2/2500		
BH (60°-80°)	1107.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	32.9	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°	3547.2	3547.2	3547.2	3547.2	3547.2	3547.2	3547.2	3547.2	3547.2	3547.2
2.5°	3749.2	3770.8	3758.4	3752.3	3741.5	3726.1	3713.7	3675.2	3635.1	3608.9
5°	3824.7	3846.3	3844.8	3850.9	3858.6	3863.3	3860.2	3817.0	3760.0	3715.3
7.5°	3760.0	3784.7	3804.7	3835.5	3889.5	3946.5	3974.3	3965.0	3906.4	3844.8
10°	3576.5	3602.7	3650.5	3723.0	3837.1	3960.4	4063.7	4111.5	4074.5	4006.6
12.5°	3240.5	3266.7	3360.7	3518.0	3709.1	3923.4	4120.7	4248.7	4257.9	4190.1
15°	2862.8	2889.0	2989.2	3186.5	3477.9	3821.7	4151.6	4393.6	4475.3	4416.7
17.5°	2628.4	2651.6	2727.1	2885.9	3189.6	3618.2	4140.8	4547.7	4734.3	4688.0
20°	2557.5	2577.6	2613.0	2724.0	2976.8	3407.0	4069.8	4692.7	5013.3	4987.1
22.5°	2633.1	2651.6	2662.4	2711.7	2870.5	3268.2	3980.4	4840.7	5337.1	5340.1
25°	2807.3	2825.8	2813.4	2844.3	2913.6	3225.0	3946.5	5014.9	5744.0	5778.0
27.5°	3094.0	3095.6	3066.3	3064.7	3075.5	3289.8	3982.0	5201.4	6257.4	6320.6
30°	3669.0	3645.9	3533.4	3411.6	3356.1	3484.0	4080.6	5421.8	6863.2	6975.8
32.5°	4555.5	4521.5	4315.0	4023.6	3730.7	3797.0	4257.9	5673.1	7523.1	7726.5
35°	5517.4	5508.2	5292.3	4859.2	4347.3	4242.5	4546.2	6003.0	8243.0	8566.7
37.5°	6411.6	6406.9	6283.6	5773.3	5150.5	4863.8	5008.7	6434.7	9013.8	9482.4
40°	7228.6	7242.5	7119.2	6662.8	6035.4	5660.8	5637.7	6968.1	9870.9	10479.9
42.5°	7934.7	7950.1	7825.2	7487.6	6909.5	6542.6	6410.0	7621.7	10708.0	11551.3
45°	8414.1	8509.7	8491.2	8221.4	7806.7	7425.9	7338.1	8441.9	11662.3	12687.4
47.5°	8549.8	8637.6	8776.4	8813.4	8560.6	8185.9	8290.8	9430.0	12627.3	13825.2
50°	8215.2	8296.9	8585.2	8969.1	9144.8	9029.2	9217.3	10489.1	13615.5	14959.8
52.5°	7555.4	7638.7	8002.5	8609.9	9326.7	9690.6	10146.9	11532.8	14572.8	16034.3
55°	6601.2	6689.0	7156.2	7843.7	8979.9	9963.4	10922.3	12574.9	15450.0	17000.9
57.5°	5303.1	5367.9	5853.5	6815.5	8107.3	9692.1	11494.2	13712.6	16276.3	17950.5
60°	3456.3	3513.3	4077.6	5150.5	6661.3	8785.6	11608.3	14981.4	17373.9	19185.3
62.5°	2298.5	2337.1	2671.6	3459.4	4691.1	7045.2	10940.8	15994.2	18983.4	21334.3
65°	1577.1	1615.6	1950.1	2498.9	3030.8	4660.3	9021.5	15860.1	20441.7	23040.9
67.5°	1125.4	1157.7	1441.4	1959.4	2193.7	2707.1	6115.6	14145.8	20232.1	23105.6
70°	806.3	824.8	1059.1	1526.2	1743.6	1626.4	3400.8	10819.0	17714.6	21335.9
72.5°	564.2	570.4	735.3	1162.4	1404.4	1187.0	1618.7	7213.2	13398.1	16746.5
75°	382.3	390.0	494.9	852.5	1126.9	906.5	857.1	3867.9	7865.3	9269.7
77.5°	234.3	237.4	319.1	582.7	843.3	690.6	551.9	1638.7	3043.1	2987.6
80°	132.6	132.6	203.5	362.3	575.0	445.5	386.9	696.8	963.5	846.3
82.5°	74.0	75.5	148.0	225.1	380.8	263.6	212.7	322.2	416.2	368.4
85°	30.8	33.9	91.0	106.4	181.9	131.0	86.3	135.7	154.2	137.2
87.5°	3.1	4.6	27.7	20.0	21.6	26.2	12.3	26.2	21.6	21.6
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°
3547.2	0°	3547.2	3547.2	3547.2	3547.2	3547.2	3547.2	3547.2	3547.2	3547.2	3547.2
3599.7	2.5°	3570.4	3547.2	3488.7	3420.8	3331.4	3288.3	3229.7	3189.6	3155.7	3158.8
3689.1	5°	3639.7	3581.2	3450.1	3286.7	3083.2	2938.3	2784.1	2677.8	2591.4	2572.9
3812.4	7.5°	3735.3	3642.8	3413.1	3118.7	2774.9	2514.4	2281.6	2132.0	2025.7	1991.8
3961.9	10°	3858.6	3724.5	3365.3	2907.5	2412.6	2081.2	1831.4	1714.3	1641.8	1617.1
4137.7	12.5°	4002.0	3818.6	3302.1	2650.0	2039.5	1720.4	1561.7	1503.1	1479.9	1472.2
4353.5	15°	4182.4	3935.7	3206.5	2344.8	1723.5	1500.0	1432.2	1424.4	1427.5	1424.4
4612.5	17.5°	4396.7	4063.7	3050.8	2030.3	1510.8	1387.4	1362.8	1368.9	1376.7	1375.1
4902.3	20°	4631.0	4190.1	2852.0	1751.3	1365.9	1307.3	1293.4	1299.6	1305.7	1302.7
5236.8	22.5°	4897.7	4325.8	2631.5	1533.9	1268.7	1233.3	1217.9	1219.4	1219.4	1213.2
5660.8	25°	5216.8	4475.3	2400.3	1379.7	1194.7	1167.0	1148.5	1142.3	1133.1	1114.6
6175.7	27.5°	5597.6	4634.1	2178.3	1271.8	1136.2	1110.0	1088.4	1073.0	1049.8	1019.0
6793.9	30°	6026.2	4826.8	1990.2	1204.0	1089.9	1063.7	1039.0	1015.9	982.0	943.5
7504.6	32.5°	6530.3	5033.4	1853.0	1159.3	1048.3	1020.5	991.3	963.5	926.5	888.0
8303.1	35°	7131.5	5283.1	1772.9	1128.5	1015.9	978.9	946.5	915.7	888.0	854.1
9171.0	37.5°	7783.6	5548.3	1748.2	1113.0	994.3	937.3	900.3	878.7	875.6	855.6
10109.9	40°	8497.4	5862.7	1766.7	1103.8	971.2	897.2	857.1	852.5	860.2	824.8
11113.5	42.5°	9252.7	6235.8	1797.5	1093.0	938.8	857.1	818.6	818.6	812.4	763.1
12174.1	45°	10069.8	6665.9	1828.3	1066.8	900.3	817.1	787.8	777.0	750.8	703.0
13240.9	47.5°	10893.0	7103.7	1851.5	1019.0	854.1	783.1	756.9	732.3	693.7	650.6
14287.6	50°	11674.6	7496.8	1826.8	948.1	801.6	750.8	723.0	689.1	647.5	618.2
15278.9	52.5°	12373.0	7837.5	1722.0	864.8	746.1	716.8	692.2	656.7	622.8	592.0
16173.0	55°	12980.4	8113.5	1537.0	786.2	696.8	687.6	662.9	618.2	571.9	545.7
17059.5	57.5°	13563.1	8323.2	1305.7	721.5	652.1	655.2	618.2	578.1	534.9	507.2
18254.2	60°	14338.5	8603.7	1071.4	661.4	604.3	613.6	573.5	544.2	490.2	454.8
20303.0	62.5°	15578.0	9040.0	851.0	587.4	548.8	551.9	534.9	499.5	434.7	393.1
21821.5	65°	16561.5	8879.7	670.6	507.2	485.6	490.2	490.2	451.7	382.3	334.5
21903.2	67.5°	16450.5	7603.2	534.9	428.6	425.5	428.6	439.4	407.0	339.2	300.6
20235.2	70°	15154.0	6047.7	428.6	356.1	370.0	362.3	393.1	371.5	305.2	266.7
15687.4	72.5°	12365.3	4356.6	326.8	294.4	283.7	296.0	354.6	334.5	254.4	211.2
8309.3	75°	7225.5	2324.7	243.6	232.8	205.0	246.7	314.5	285.2	194.2	155.7
2546.7	77.5°	2352.5	810.9	178.8	171.1	152.6	198.9	268.2	240.5	158.8	123.3
746.1	80°	630.5	245.1	121.8	112.5	98.7	148.0	212.7	191.2	114.1	80.2
320.7	82.5°	252.8	103.3	70.9	63.2	54.0	101.7	168.0	154.2	84.8	50.9
100.2	85°	81.7	33.9	26.2	20.0	24.7	63.2	100.2	104.8	60.1	26.2
15.4	87.5°	10.8	4.6	4.6	6.2	4.6	10.8	30.8	29.3	17.0	3.1
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



<u>180°</u>
3547.2
3127.9
2531.3
1957.8
1598.6
1467.6
1422.9
1372.0
1301.1
1210.2
1111.5
1015.9
940.4
889.5
851.0
854.1
826.3
763.1
701.4
649.0
613.6
588.9
542.6
504.1
450.2
390.0
329.9
294.4
262.1
206.6
151.1
118.7
78.6
50.9
20.0
0.0
0.0

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