

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: P852547

Luminaire Tested: **GLAN-SB4C-850-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852547  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-850-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

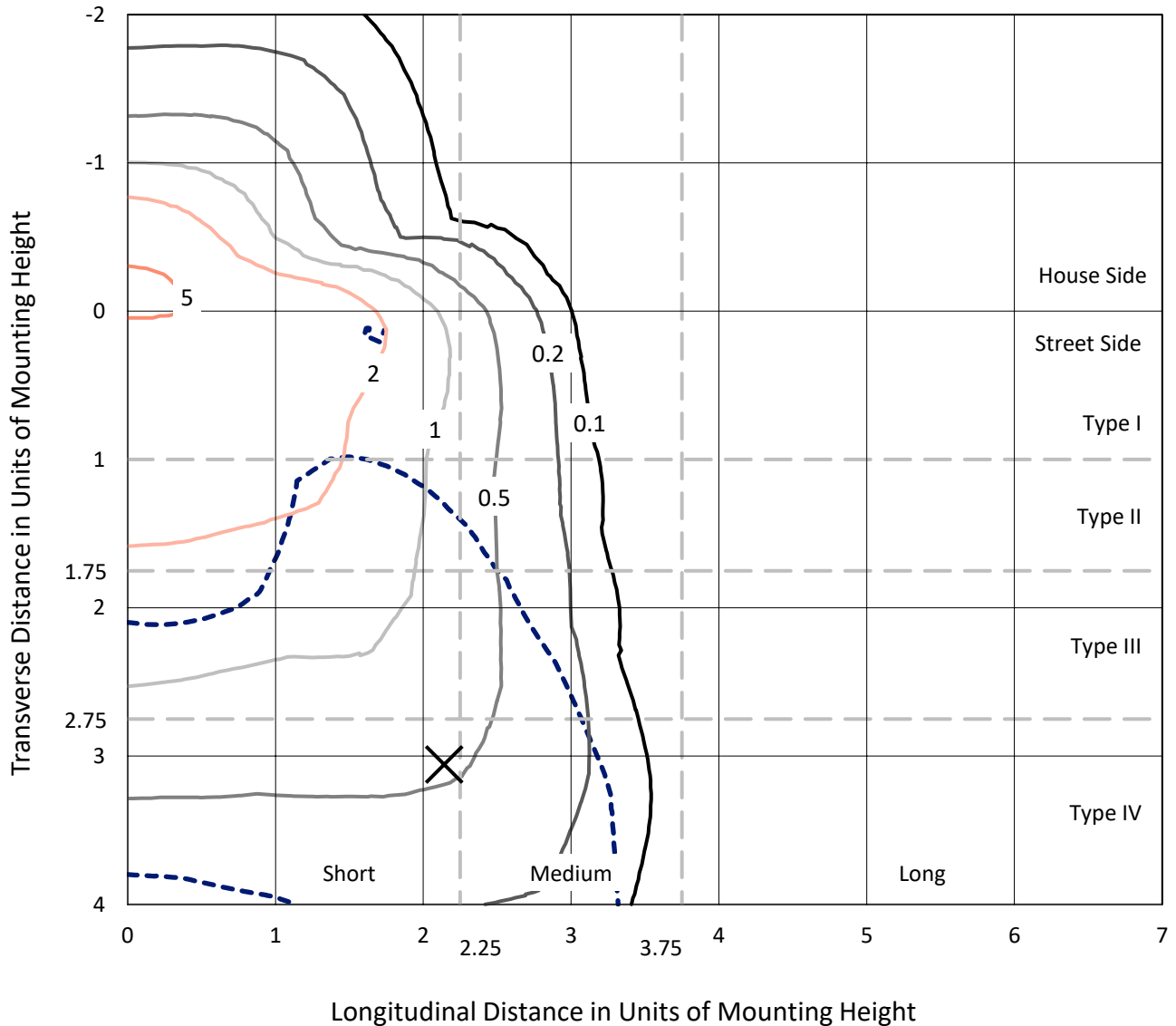
Lumens per Lamp: N/A  
Luminaire Lumens: 25472 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

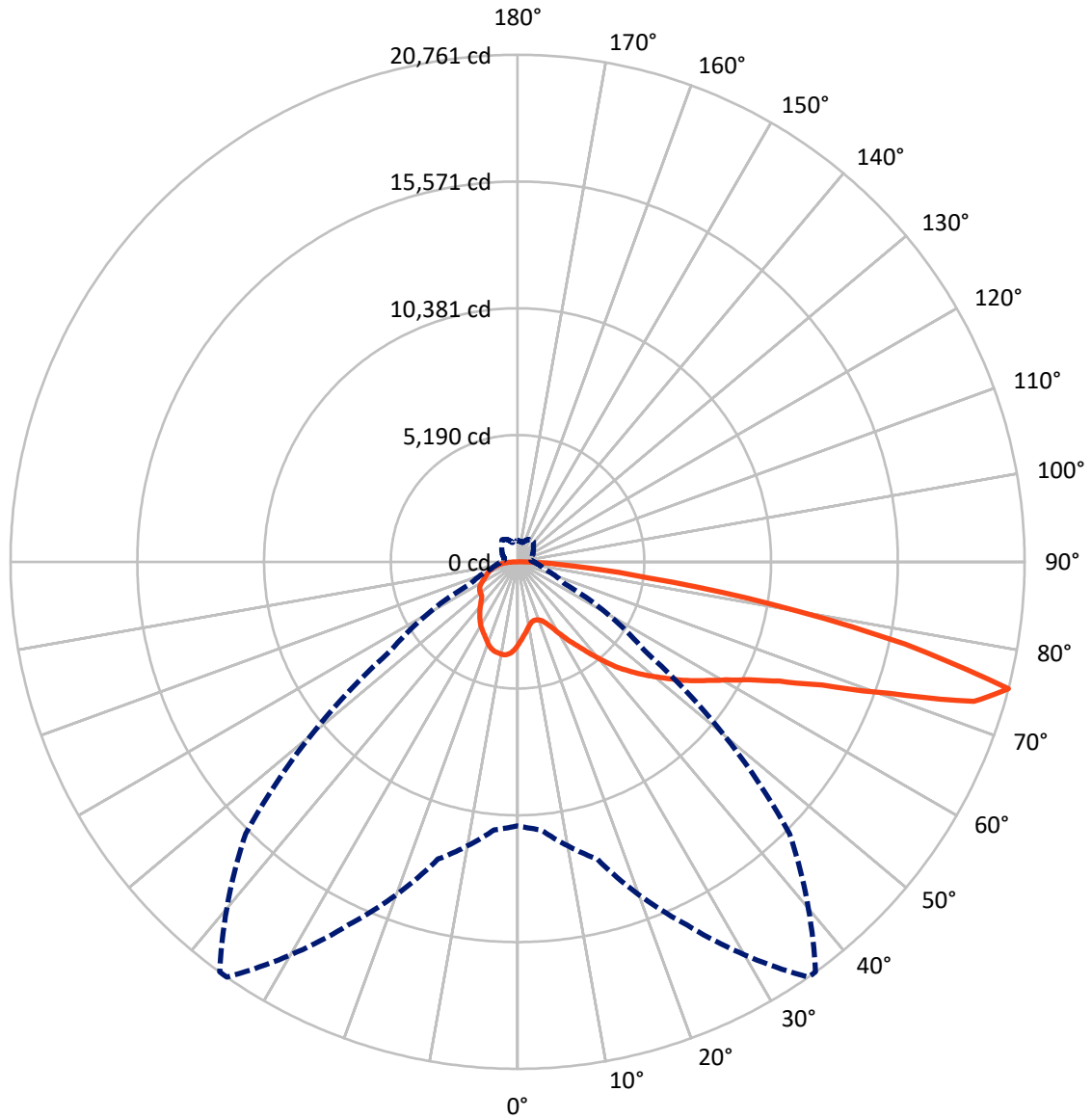
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6061.7	0.0	6061.7
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	19410.3	0.0	19410.3
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	25472.0	0.0	25472.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.4	1.3
10°-20°	927.0	3.6
20°-30°	1556.6	6.1
30°-40°	2419.2	9.5
40°-50°	3590.8	14.1
50°-60°	4957.3	19.5
60°-70°	6014.3	23.6
70°-80°	4970.4	19.5
80°-90°	714.9	2.8
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°	25472.0	100.0
0°-180°	25472.0	100.0

**Coefficient of Utilization**

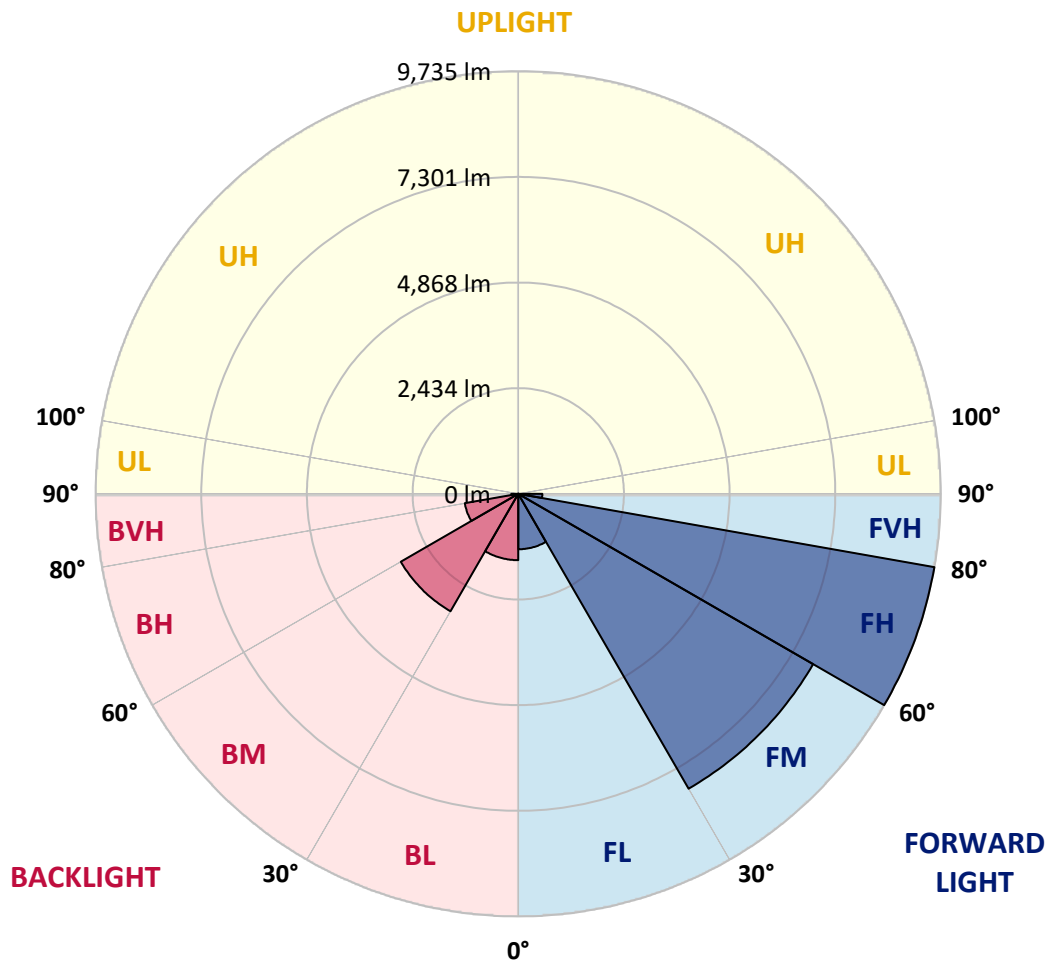


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1277.4	5.0			
FM (30°-60°)	7844.0	30.8			
FH (60°-80°)	9735.0	38.2			G4/12000
FVH (80°-90°)	553.9	2.2			G4/750
BL (0°-30°)	1527.6	6.0	B3/2500		
BM (30°-60°)	3123.4	12.3	B3/5000		
BH (60°-80°)	1249.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	161.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3
2.5°	3129.9	3149.2	3157.5	3153.3	3174.0	3171.2	3200.2	3236.0	3285.5	3333.7
5°	2889.0	2909.6	2927.5	2944.0	2984.0	2996.4	3041.8	3110.7	3201.5	3293.8
7.5°	2664.5	2682.4	2709.9	2740.2	2807.7	2820.1	2895.8	3003.2	3129.9	3264.9
10°	2481.4	2499.3	2528.2	2562.6	2646.6	2661.7	2758.1	2901.3	3066.6	3237.3
12.5°	2402.9	2408.4	2424.9	2459.3	2532.3	2542.0	2648.0	2811.8	3004.6	3216.7
15°	2398.7	2409.8	2411.1	2429.0	2489.6	2493.8	2591.5	2754.0	2966.1	3212.6
17.5°	2440.1	2448.3	2435.9	2446.9	2497.9	2504.8	2581.9	2726.5	2953.7	3230.5
20°	2550.2	2557.1	2519.9	2504.8	2542.0	2547.5	2623.2	2744.4	2966.1	3267.6
22.5°	2784.3	2788.4	2697.6	2635.6	2638.3	2641.1	2707.2	2817.4	3014.3	3335.1
25°	3149.2	3146.5	3001.9	2882.1	2813.2	2798.1	2842.1	2935.8	3095.5	3424.6
27.5°	3576.1	3555.4	3410.8	3231.8	3081.7	3059.7	3050.1	3090.0	3211.2	3543.0
30°	4058.0	4038.8	3883.2	3649.1	3441.1	3405.3	3314.5	3293.8	3383.3	3704.1
32.5°	4586.8	4574.4	4388.5	4104.9	3826.7	3785.4	3632.5	3577.5	3647.7	3947.9
35°	5030.2	5019.2	4865.0	4573.0	4232.9	4182.0	4026.4	3964.4	4000.2	4260.5
37.5°	5430.9	5425.4	5293.2	5063.2	4712.1	4650.1	4475.3	4454.6	4447.7	4672.2
40°	5802.7	5788.9	5651.2	5530.1	5269.8	5213.3	5059.1	5041.2	4988.9	5178.9
42.5°	6214.4	6178.6	5979.0	5922.5	5852.3	5805.5	5713.2	5715.9	5600.3	5750.4
45°	6550.4	6529.8	6324.6	6291.5	6367.3	6348.0	6427.9	6448.5	6224.1	6349.4
47.5°	6911.2	6891.9	6718.4	6695.0	6900.2	6905.7	7188.0	7194.8	6832.7	6971.8
50°	7356.0	7328.4	7156.3	7185.2	7415.2	7435.8	7952.2	7905.4	7393.1	7603.8
52.5°	7649.3	7665.8	7628.6	7675.4	7989.4	8008.7	8704.0	8584.2	7948.1	8227.6
55°	7865.5	7898.5	8014.2	8121.6	8595.3	8614.5	9413.2	9230.1	8408.0	8805.9
57.5°	8143.6	8096.8	8313.0	8522.3	9170.9	9221.8	10103.1	9852.5	8815.6	9304.4
60°	8542.9	8509.9	8677.9	8987.7	9815.3	9896.5	10832.9	10412.9	9114.4	9699.6
62.5°	9352.6	9270.0	9296.2	9570.2	10627.7	10735.1	11656.3	10901.7	9263.1	9853.8
65°	10563.0	10421.2	10289.0	10479.0	11772.0	11878.0	12585.8	11285.9	9208.0	9555.0
67.5°	12087.3	11946.9	11784.4	11963.4	13457.5	13541.5	13732.9	11502.1	8774.3	8403.9
70°	13344.6	13292.2	13486.4	14223.1	16149.5	16152.3	15203.5	11323.1	7585.9	5958.3
72.5°	13177.9	13146.3	14169.4	16446.9	19542.4	19469.5	16595.7	9968.1	5110.1	2687.9
75°	10810.9	11016.0	12601.0	16407.0	20761.1	20751.5	15743.3	6337.0	2113.7	1114.0
77.5°	5797.2	6122.2	8180.8	12113.5	16207.3	16451.1	11068.4	2217.0	907.4	713.3
80°	1890.6	2174.3	3260.7	6167.6	10531.3	10485.9	4743.8	870.3	621.0	505.4
82.5°	802.8	835.8	1456.9	2912.4	5404.7	5320.7	1510.6	499.9	436.5	345.6
85°	314.0	351.1	643.1	1346.7	2340.9	2290.0	545.3	247.9	279.5	225.8
87.5°	103.3	125.3	230.0	461.3	728.4	702.3	133.6	85.4	121.2	103.3
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°
3394.3	0°	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3
3404.0	2.5°	3423.2	3445.3	3471.4	3510.0	3543.0	3570.6	3599.5	3617.4	3624.3	3644.9
3409.5	5°	3448.0	3496.2	3560.9	3624.3	3686.2	3723.4	3756.5	3773.0	3788.1	3799.2
3424.6	7.5°	3489.3	3551.3	3653.2	3735.8	3788.1	3818.4	3840.5	3835.0	3840.5	3843.2
3441.1	10°	3525.1	3611.9	3733.1	3811.5	3851.5	3852.9	3847.4	3828.1	3818.4	3819.8
3465.9	12.5°	3567.8	3664.2	3795.0	3861.1	3872.1	3841.8	3818.4	3785.4	3773.0	3767.5
3503.1	15°	3625.7	3735.8	3862.5	3887.3	3859.7	3821.2	3781.3	3727.6	3700.0	3678.0
3566.4	17.5°	3695.9	3817.1	3914.8	3896.9	3837.7	3774.4	3709.7	3628.4	3571.9	3548.5
3653.2	20°	3793.6	3902.4	3954.8	3876.3	3786.8	3690.4	3580.2	3481.1	3428.7	3405.3
3763.4	22.5°	3912.1	4016.7	3993.3	3840.5	3713.8	3559.6	3421.9	3348.9	3322.7	3306.2
3905.2	25°	4053.9	4143.4	4020.9	3788.1	3594.0	3386.1	3280.0	3256.6	3244.2	3231.8
4078.7	27.5°	4238.4	4286.6	4041.5	3711.0	3406.7	3201.5	3163.0	3167.1	3163.0	3142.3
4319.7	30°	4482.1	4472.5	4060.8	3585.7	3191.9	3034.9	3037.7	3055.6	3058.3	3044.6
4655.7	32.5°	4803.0	4705.2	4070.4	3423.2	2986.7	2889.0	2891.7	2911.0	2924.8	2901.3
5094.9	35°	5191.3	4976.5	4055.3	3219.4	2828.4	2749.9	2729.2	2734.7	2738.9	2716.8
5627.8	37.5°	5644.3	5280.8	3987.8	2993.6	2697.6	2613.6	2569.5	2532.3	2510.3	2489.6
6230.9	40°	6141.4	5612.7	3863.9	2773.3	2551.6	2469.0	2402.9	2332.6	2258.3	2230.7
6869.9	42.5°	6661.9	5954.2	3713.8	2562.6	2383.6	2316.1	2245.9	2144.0	2032.5	1976.0
7533.6	45°	7201.7	6303.9	3566.4	2354.7	2211.5	2182.6	2101.3	1978.8	1857.6	1786.0
8198.7	47.5°	7730.5	6634.4	3350.3	2145.4	2050.4	2082.0	2018.7	1905.8	1770.8	1657.9
8858.3	50°	8235.9	6944.2	2996.4	1933.3	1919.5	2051.7	1991.1	1828.7	1674.4	1529.9
9505.5	52.5°	8737.1	7194.8	2543.3	1740.5	1849.3	2043.5	1955.3	1776.3	1587.7	1436.2
10114.1	55°	9162.6	7324.3	2106.8	1575.3	1747.4	1973.2	1912.7	1714.4	1465.1	1304.0
10531.3	57.5°	9404.9	7219.6	1743.3	1412.8	1607.0	1857.6	1839.7	1582.2	1319.2	1195.2
10612.6	60°	9300.3	6795.5	1445.9	1271.0	1473.4	1732.3	1713.0	1451.4	1207.6	1090.6
10177.4	62.5°	8723.3	5987.2	1210.4	1147.0	1352.2	1604.2	1586.3	1350.8	1122.3	1009.3
9022.1	65°	7561.1	4870.5	1027.2	1043.8	1229.7	1450.0	1476.1	1266.8	1054.8	944.6
6980.0	67.5°	5766.9	3527.9	884.0	954.3	1109.9	1298.5	1374.3	1206.3	998.3	893.7
4038.8	70°	3286.9	2003.5	762.9	867.5	1003.8	1158.1	1295.8	1158.1	937.7	851.0
1513.3	72.5°	1246.2	919.8	659.6	780.8	901.9	1039.6	1209.0	1082.3	867.5	802.8
782.1	75°	665.1	560.4	554.9	678.9	784.9	924.0	1100.2	1008.0	815.2	848.2
541.2	77.5°	453.0	396.6	464.1	581.1	656.8	795.9	984.6	895.1	706.4	703.6
374.5	80°	314.0	280.9	377.3	468.2	508.1	669.2	859.3	768.4	575.6	537.0
231.3	82.5°	188.6	183.1	282.3	349.8	359.4	516.4	711.9	644.4	470.9	410.3
137.7	85°	103.3	108.8	180.4	205.2	209.3	360.8	557.7	498.5	362.2	304.3
49.6	87.5°	28.9	37.2	66.1	81.2	100.5	187.3	331.9	296.1	181.8	126.7
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°
3394.3
3643.6
3801.9
3847.4
3822.6
3764.7
3684.9
3549.9
3402.6
3308.9
3231.8
3146.5
3051.4
2912.4
2732.0
2503.4
2243.1
1982.9
1780.5
1645.5
1517.5
1419.7
1290.3
1178.7
1074.1
991.4
926.7
877.2
840.0
791.8
875.8
648.6
513.6
413.1
307.1
126.7
0.0

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