

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: P850896

Luminaire Tested: **GLAN-SB8C-840-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850896  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8C-840-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 53362 lumens  
Efficiency: N/A  
Efficacy: 133.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

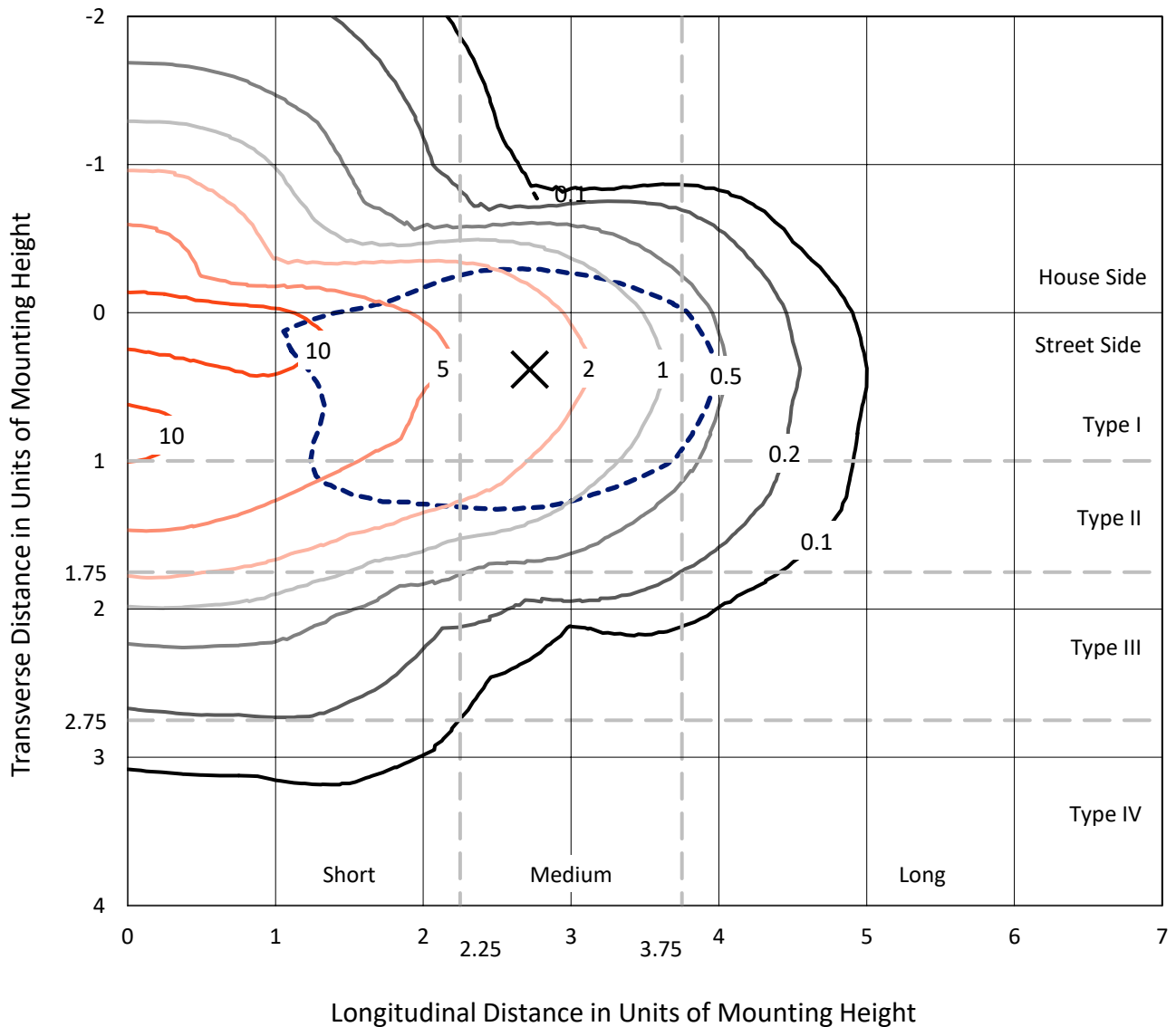
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

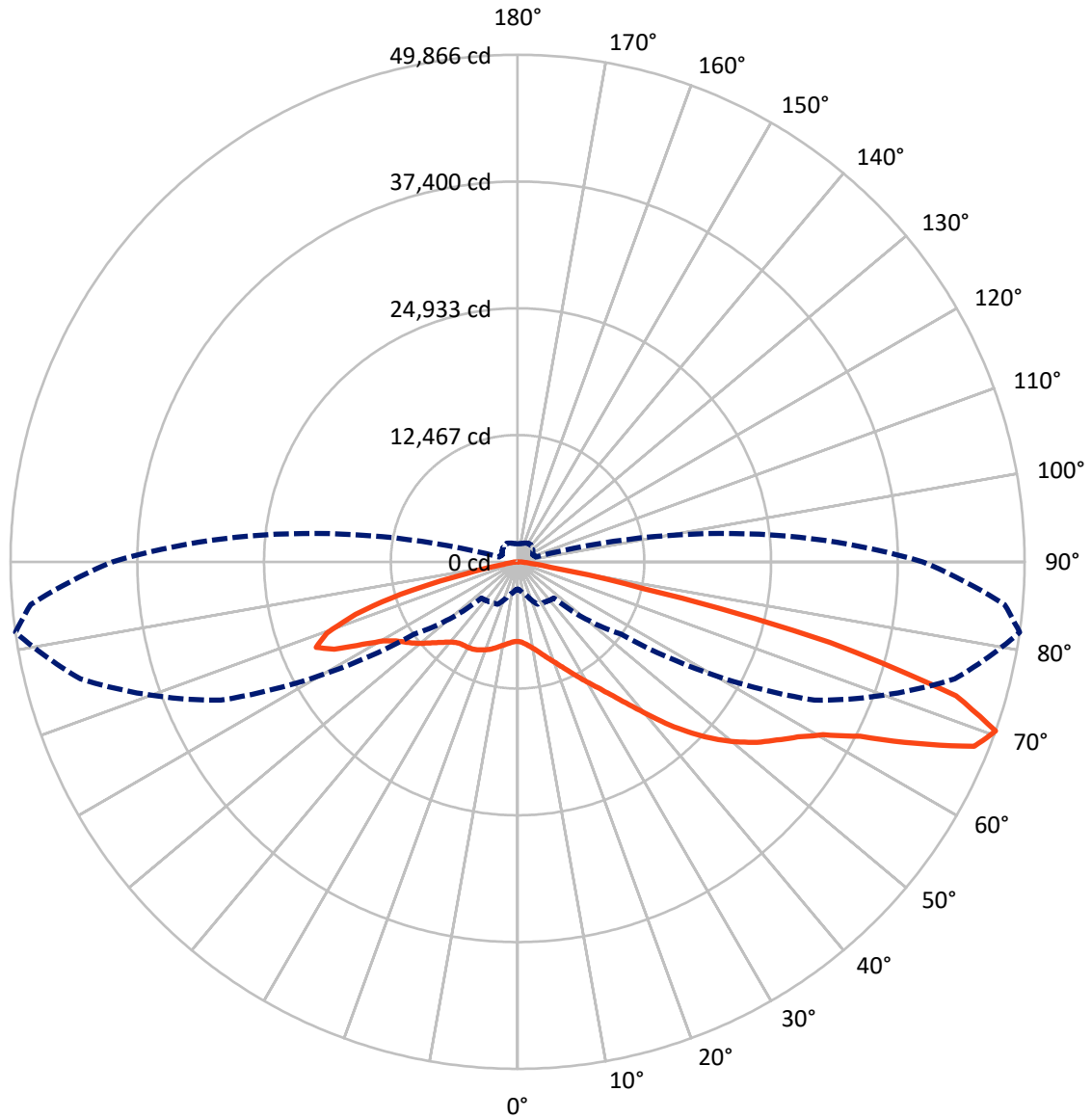
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13155.0	0.0	13155.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	40207.0	0.0	40207.0
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	53362.0	0.0	53362.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	738.7	1.4
10°-20°	2122.3	4.0
20°-30°	3550.3	6.7
30°-40°	5546.6	10.4
40°-50°	8833.5	16.6
50°-60°	12292.9	23.0
60°-70°	12859.0	24.1
70°-80°	6720.8	12.6
80°-90°	697.9	1.3
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°	53362.0	100.0
0°-180°	53362.0	100.0

**Coefficient of Utilization**



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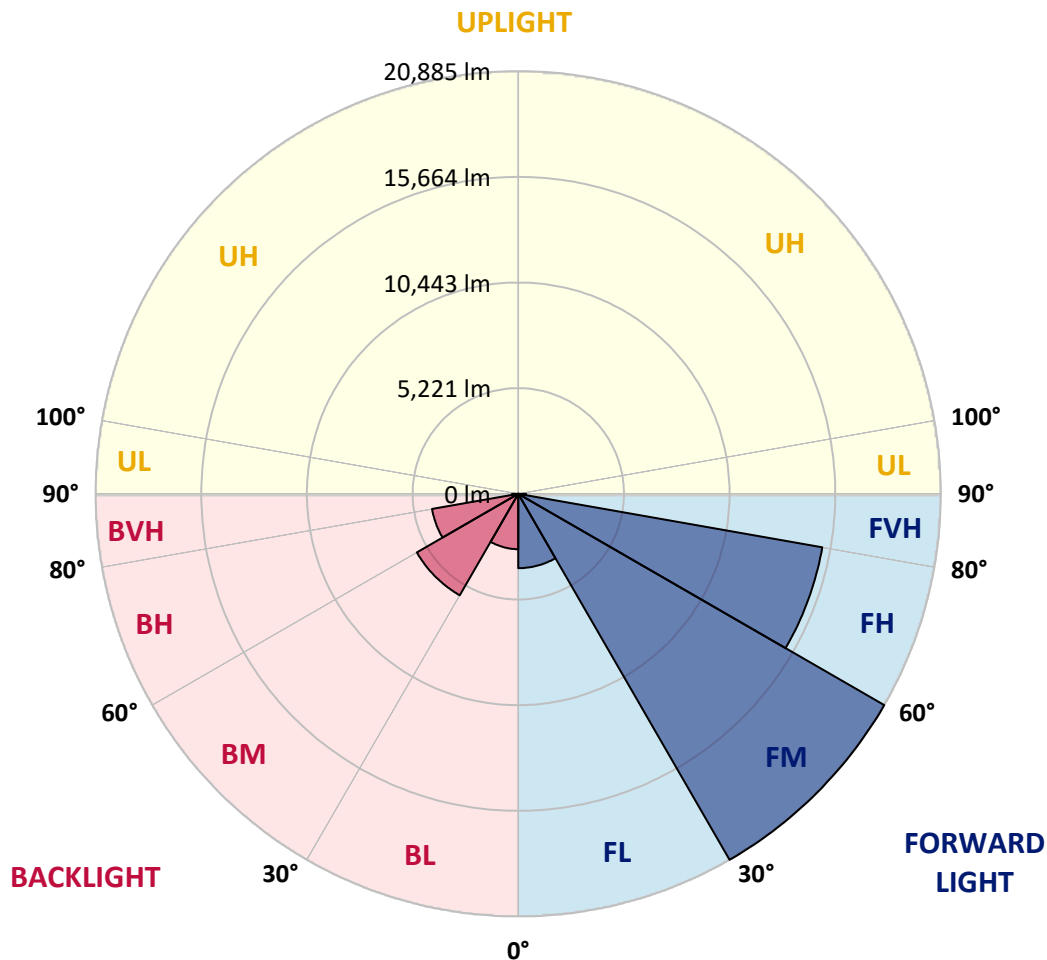
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3674.6	6.9			
FM (30°-60°)	20885.4	39.1			
FH (60°-80°)	15256.4	28.6			G5
FVH (80°-90°)	390.7	0.7			G3/500
BL (0°-30°)	2736.7	5.1	B4/5000		
BM (30°-60°)	5787.7	10.8	B4/8500		
BH (60°-80°)	4323.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	307.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7823.5	7823.5	7823.5	7823.5	7823.5	7823.5	7823.5	7823.5	7823.5	7823.5
2.5°	8010.4	8055.7	8041.6	8027.4	8027.4	8007.6	8004.8	7976.4	7953.8	7917.0
5°	8112.4	8160.5	8154.8	8166.2	8203.0	8211.5	8220.0	8203.0	8157.7	8112.4
7.5°	8021.7	8075.5	8092.5	8160.5	8273.8	8375.7	8452.1	8483.3	8440.8	8375.7
10°	7715.9	7775.4	7834.9	7996.3	8197.3	8438.0	8641.9	8763.6	8755.1	8692.8
12.5°	7095.8	7158.1	7285.5	7599.8	7967.9	8392.7	8772.1	9026.9	9114.7	9069.4
15°	6600.3	6654.1	6750.4	7073.2	7551.7	8197.3	8820.2	9315.8	9539.4	9514.0
17.5°	6586.2	6608.8	6668.3	6821.2	7189.3	7891.5	8769.3	9598.9	10026.5	10023.6
20°	6835.3	6843.8	6877.8	6909.0	7118.5	7659.3	8639.0	9833.9	10573.0	10573.0
22.5°	7180.8	7175.1	7209.1	7180.8	7282.7	7639.5	8556.9	10040.6	11181.7	11227.0
25°	7698.9	7670.6	7662.1	7597.0	7616.8	7823.5	8647.5	10275.6	11903.8	11997.2
27.5°	8389.8	8344.5	8313.4	8163.3	8112.4	8203.0	8925.0	10558.8	12707.9	12869.3
30°	9290.3	9208.2	9162.9	8902.4	8718.3	8732.5	9344.1	10935.4	13548.9	13809.4
32.5°	10519.2	10391.7	10270.0	9842.4	9505.5	9395.0	9884.9	11456.4	14460.7	14876.9
35°	11895.3	11793.4	11663.1	11003.4	10485.2	10230.3	10615.4	12184.1	15528.1	16187.9
37.5°	13220.4	13132.7	13195.0	12305.9	11637.6	11266.7	11572.5	13161.0	16844.8	17818.9
40°	14590.9	14523.0	14531.4	13682.0	12903.3	12487.1	12733.4	14387.0	18354.0	19758.5
42.5°	16080.3	16029.3	15859.4	15106.2	14231.3	13843.4	14069.9	15802.8	19973.7	21967.1
45°	17748.1	17716.9	17558.4	16694.7	15692.4	15256.3	15562.1	17365.8	21601.8	24045.4
47.5°	19189.3	19214.8	19195.0	18467.3	17428.1	16788.2	17153.5	18996.8	23116.7	25999.2
50°	19883.1	20016.1	20211.5	19985.0	19339.4	18688.1	18758.9	20571.1	24560.8	27831.2
52.5°	19520.6	19772.6	20305.0	20667.4	20916.6	20780.6	20590.9	22134.1	25919.9	29484.8
55°	18170.0	18523.9	19407.4	20282.3	21553.7	22541.9	22791.0	23867.0	27245.0	30940.2
57.5°	15709.4	16284.2	17077.0	18846.7	20987.4	23394.2	25356.4	26271.0	28649.5	32494.7
60°	11490.4	12260.6	13245.9	15879.3	19005.3	22938.3	27539.5	29963.3	30645.7	34507.9
62.5°	7353.5	7829.2	8735.3	11215.7	14808.9	20602.3	28207.8	34578.7	34029.4	37809.5
65°	5034.5	5340.3	6169.9	7563.0	9573.4	15335.6	26418.2	38038.9	39403.7	43042.2
67.5°	3658.3	3890.5	4598.4	5818.8	6237.9	9075.1	20500.3	37880.3	44627.9	48433.4
70°	2667.3	2831.5	3426.2	4598.4	4799.5	5048.6	12419.1	32200.2	44514.6	49866.2
72.5°	1976.4	2089.7	2488.9	3567.7	3884.9	3409.2	6147.3	23402.7	38251.2	45103.6
75°	1429.9	1514.9	1809.4	2729.6	3109.0	2596.5	3066.6	13676.3	26681.6	31727.4
77.5°	1093.0	1158.1	1350.6	1999.1	2488.9	1948.1	1902.8	6291.7	12651.3	12713.6
80°	877.8	920.2	1025.0	1407.3	1908.5	1458.2	1240.2	2539.9	3998.1	3383.7
82.5°	645.6	716.4	866.5	988.2	1364.8	1005.2	756.0	1282.7	1520.5	1308.2
85°	368.1	416.2	523.8	707.9	872.1	614.4	433.2	569.1	707.9	580.5
87.5°	130.3	169.9	184.0	277.5	379.4	254.8	167.1	164.2	232.2	172.7
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°
7823.5	0°	7823.5	7823.5	7823.5	7823.5	7823.5	7823.5	7823.5	7823.5	7823.5	7823.5
7908.5	2.5°	7880.2	7866.0	7809.4	7732.9	7653.6	7577.2	7551.7	7497.9	7461.1	7441.3
8092.5	5°	8038.7	7993.4	7860.3	7690.5	7512.1	7319.5	7183.6	7059.0	6968.4	6883.5
8344.5	7.5°	8265.3	8186.0	7956.6	7659.3	7342.2	7022.2	6784.4	6603.1	6481.4	6402.1
8639.0	10°	8528.6	8406.8	8055.7	7611.2	7121.3	6662.6	6382.3	6226.5	6150.1	6107.6
8976.0	12.5°	8831.6	8658.8	8157.7	7500.7	6784.4	6260.5	6068.0	6022.7	6025.5	6028.3
9400.7	15°	9205.3	8964.6	8239.8	7260.1	6345.5	5951.9	5917.9	5991.5	6068.0	6104.8
9882.1	17.5°	9627.2	9287.4	8253.9	6863.6	5915.1	5753.7	5861.3	6019.8	6135.9	6186.9
10420.1	20°	10080.3	9615.9	8152.0	6303.0	5561.1	5592.3	5784.8	5988.7	6116.1	6181.2
11034.5	22.5°	10598.4	9967.0	7908.5	5714.0	5272.3	5416.7	5643.3	5841.5	5974.5	6039.7
11756.5	25°	11190.2	10360.6	7526.2	5218.5	5023.1	5218.5	5445.0	5609.3	5716.9	5776.3
12563.5	27.5°	11847.2	10771.2	7016.5	4824.9	4805.1	5014.7	5201.5	5329.0	5385.6	5430.9
13421.5	30°	12506.9	11144.9	6399.3	4527.6	4615.4	4813.6	4946.7	5003.3	5020.3	5028.8
14378.5	32.5°	13220.4	11467.7	5750.9	4281.3	4434.2	4618.2	4697.5	4723.0	4643.7	4589.9
15539.5	35°	14084.1	11813.2	5116.6	4085.9	4255.8	4414.4	4439.8	4417.2	4323.8	4213.3
16994.9	37.5°	15151.6	12243.6	4609.7	3947.2	4088.7	4193.5	4162.4	4156.7	4165.2	4034.9
18744.8	40°	16459.7	12804.2	4238.8	3839.6	3952.8	3975.5	3887.7	3935.8	3978.3	3780.1
20664.6	42.5°	17912.3	13480.9	4003.8	3765.9	3839.6	3785.8	3649.9	3703.7	3698.0	3437.5
22592.8	45°	19393.2	14217.1	3921.7	3712.1	3734.8	3627.2	3477.1	3491.3	3372.4	3137.3
24441.8	47.5°	20865.6	15007.1	3972.6	3666.8	3604.5	3482.8	3366.7	3304.4	3128.8	2953.3
26214.4	50°	22309.7	15836.8	4159.5	3576.2	3426.2	3355.4	3270.4	3160.0	2973.1	2823.0
27890.6	52.5°	23649.0	16672.1	4369.1	3426.2	3202.5	3244.9	3191.1	3063.7	2879.7	2726.8
29476.3	55°	24917.5	17507.4	4451.2	3219.5	2992.9	3148.7	3117.5	2882.5	2661.6	2537.1
31135.6	57.5°	26299.3	18512.6	4360.6	2956.1	2823.0	3038.2	2919.3	2658.8	2531.4	2438.0
33296.0	60°	28213.4	20089.8	4165.2	2630.5	2661.6	2874.0	2670.1	2562.5	2423.8	2319.0
36535.3	62.5°	31393.2	23031.7	3850.9	2307.7	2471.9	2630.5	2551.2	2443.6	2302.0	2200.1
42073.8	65°	36093.6	27120.5	3259.1	2055.7	2259.6	2392.6	2423.8	2316.2	2169.0	2061.4
46927.1	67.5°	40057.8	29685.8	2466.3	1846.2	2041.5	2200.1	2287.9	2183.1	2027.4	1922.6
48062.5	70°	39839.7	27822.7	1883.0	1639.5	1849.0	2010.4	2123.7	2041.5	1874.5	1775.4
43656.6	72.5°	35385.7	23275.2	1523.4	1429.9	1653.6	1812.2	1948.1	1885.8	1715.9	1619.6
31982.2	75°	25996.3	16522.0	1217.6	1217.6	1410.1	1605.5	1755.6	1715.9	1560.2	1492.2
13427.1	77.5°	10958.0	6931.6	954.2	1010.9	1172.3	1379.0	1565.8	1580.0	1444.1	1529.0
3550.7	80°	2913.7	1911.3	727.7	795.7	920.2	1138.3	1362.0	1356.3	1209.1	1129.8
1319.5	82.5°	1110.0	753.2	518.2	560.6	665.4	872.1	1078.8	1112.8	965.6	835.3
518.2	85°	427.6	322.8	320.0	337.0	387.9	577.6	815.5	843.8	727.7	617.3
144.4	87.5°	110.4	96.3	118.9	113.3	178.4	308.6	467.2	484.2	444.6	257.7
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



<u>180°</u>
7823.5
7463.9
6917.4
6419.1
6119.0
6034.0
6102.0
6198.2
6198.2
6056.7
5793.3
5447.9
5048.6
4606.9
4219.0
4043.4
3785.8
3434.7
3145.8
2953.3
2811.7
2729.6
2525.7
2429.5
2313.4
2200.1
2067.0
1925.4
1783.9
1619.6
1472.4
1387.5
1050.5
835.3
637.1
368.1
0.0

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