

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: P848615

Luminaire Tested: **GLAN-SB5B-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848615  
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-SB5B-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

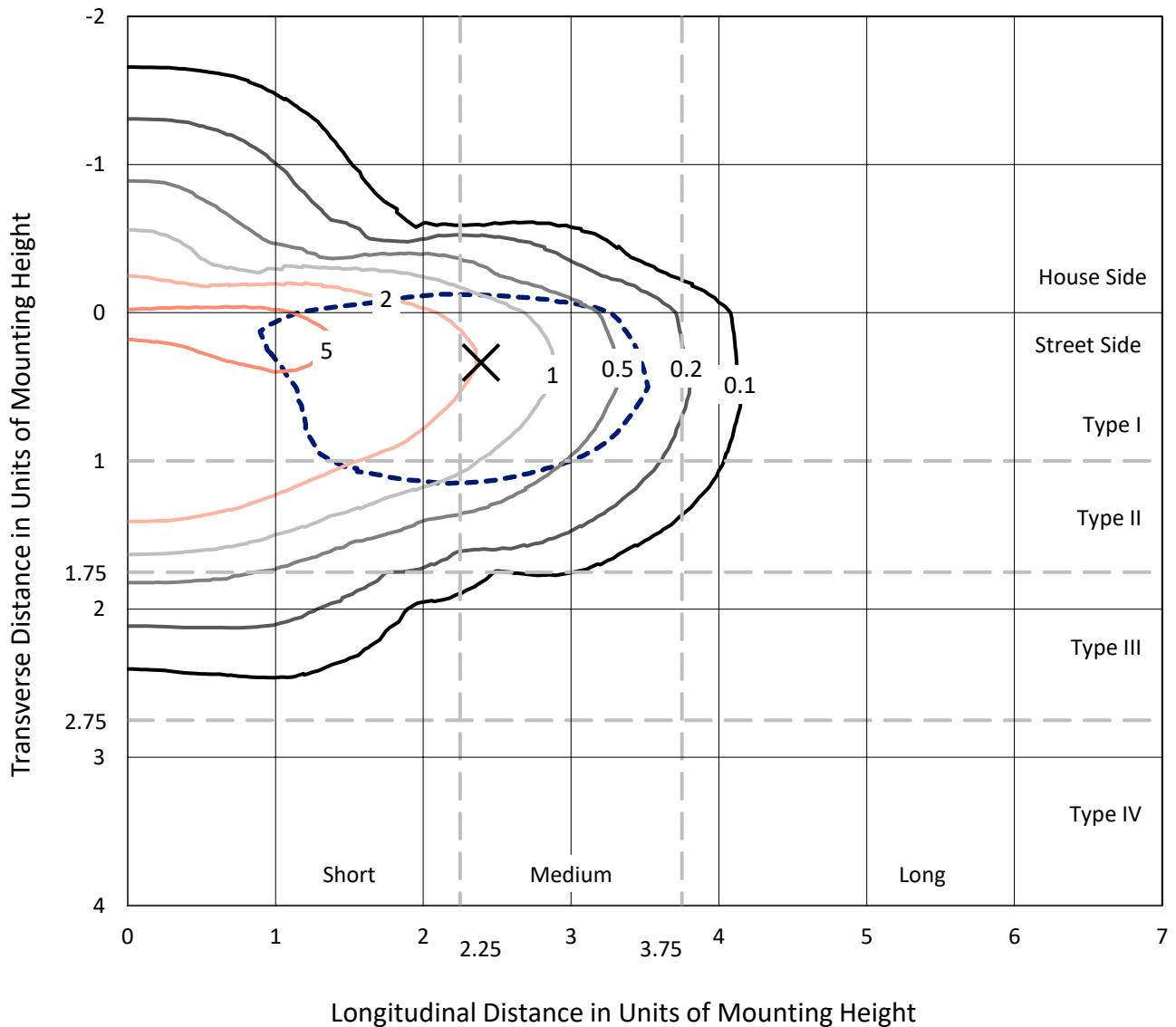
Lumens per Lamp: N/A  
Luminaire Lumens: 20383 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

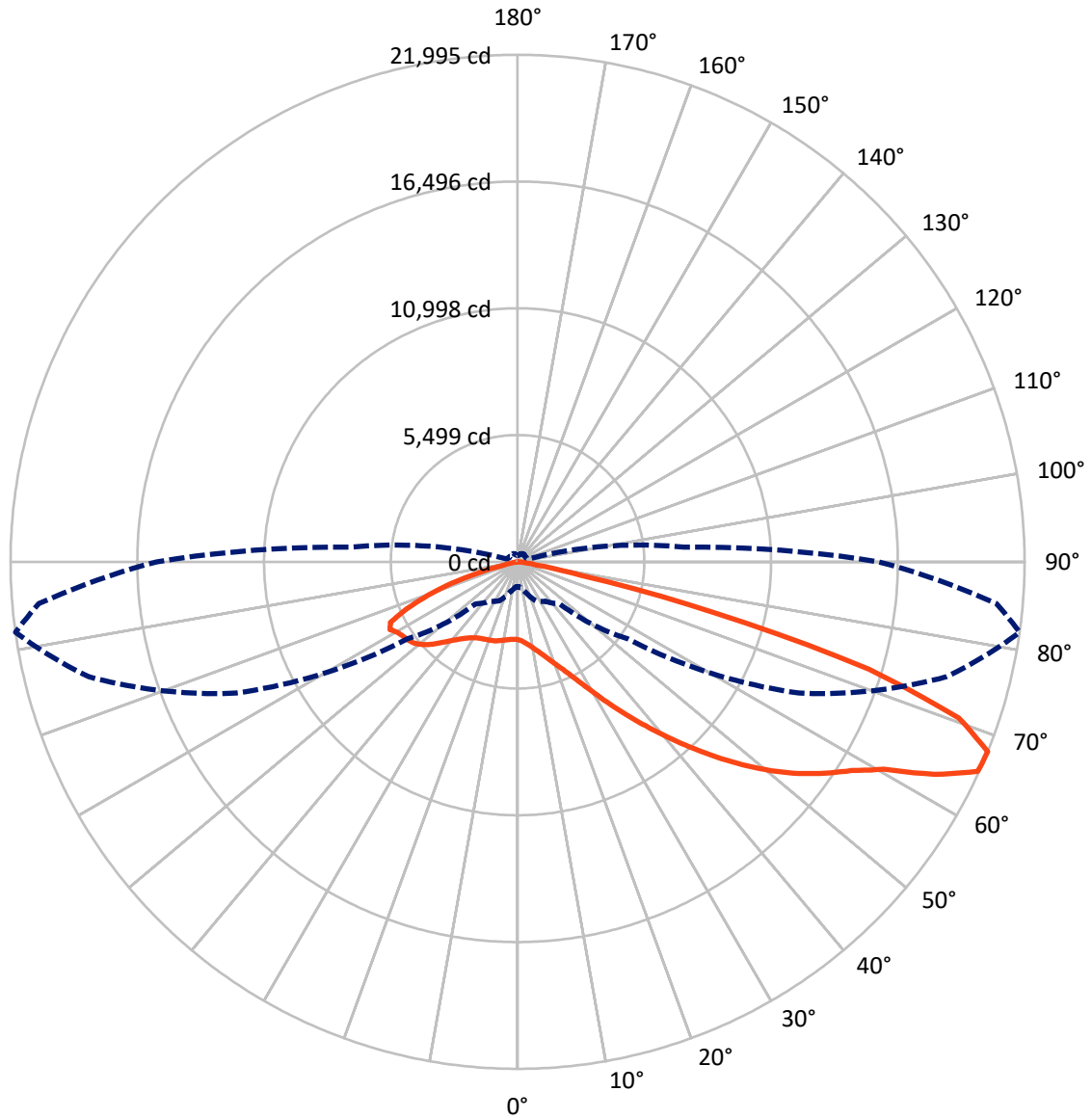
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	3692.2	0.0	3692.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	16690.8	0.0	16690.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	20383.0	0.0	20383.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	300.8	1.5
10°-20°	781.8	3.8
20°-30°	1252.2	6.1
30°-40°	2214.2	10.9
40°-50°	3879.5	19.0
50°-60°	5174.1	25.4
60°-70°	4816.9	23.6
70°-80°	1848.7	9.1
80°-90°	114.8	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°	20383.0	100.0
0°-180°	20383.0	100.0

**Coefficient of Utilization**

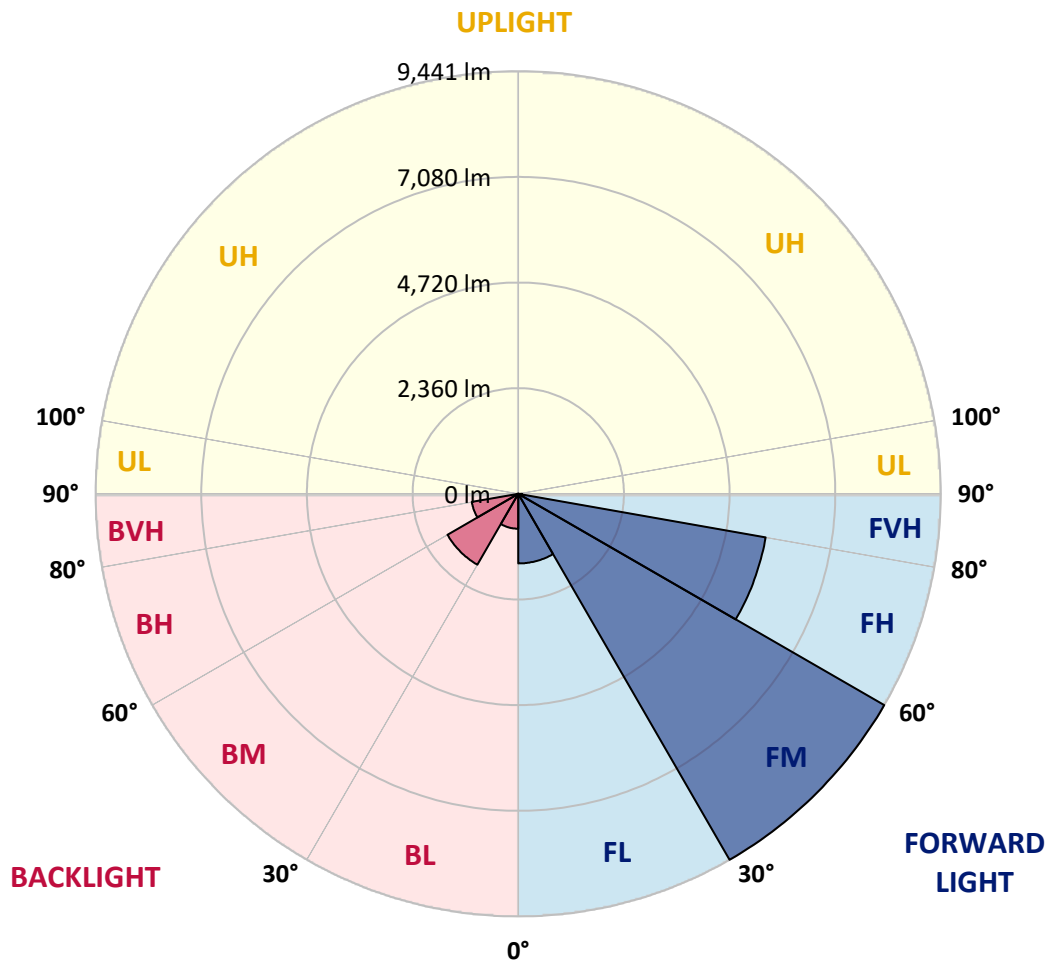


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1555.0	7.6			
FM (30°-60°)	9440.6	46.3			
FH (60°-80°)	5611.8	27.5			G3/7500
FVH (80°-90°)	83.5	0.4			G1/100
BL (0°-30°)	779.8	3.8	B2/1000		
BM (30°-60°)	1827.3	9.0	B2/2500		
BH (60°-80°)	1053.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	31.3	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°	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8
2.5°	3569.0	3589.6	3577.8	3572.0	3561.7	3547.0	3535.3	3498.6	3460.4	3435.5
5°	3640.9	3661.5	3660.0	3665.9	3673.2	3677.6	3674.7	3633.6	3579.3	3536.7
7.5°	3579.3	3602.8	3621.8	3651.2	3702.6	3756.9	3783.3	3774.5	3718.7	3660.0
10°	3404.7	3429.6	3475.1	3544.1	3652.7	3770.1	3868.4	3913.9	3878.7	3814.1
12.5°	3084.7	3109.7	3199.2	3348.9	3530.9	3734.8	3922.7	4044.5	4053.3	3988.7
15°	2725.2	2750.1	2845.5	3033.4	3310.7	3638.0	3952.0	4182.4	4260.2	4204.5
17.5°	2502.1	2524.1	2596.1	2747.2	3036.3	3444.3	3941.8	4329.2	4506.8	4462.7
20°	2434.6	2453.7	2487.5	2593.1	2833.8	3243.2	3874.3	4467.1	4772.4	4747.4
22.5°	2506.5	2524.1	2534.4	2581.4	2732.5	3111.2	3789.1	4608.0	5080.6	5083.5
25°	2672.4	2690.0	2678.2	2707.6	2773.6	3070.1	3756.9	4773.9	5468.0	5500.3
27.5°	2945.3	2946.8	2918.9	2917.4	2927.7	3131.7	3790.6	4951.4	5956.7	6016.8
30°	3492.7	3470.7	3363.6	3247.6	3194.8	3316.6	3884.5	5161.3	6533.4	6640.5
32.5°	4336.5	4304.2	4107.6	3830.2	3551.4	3614.5	4053.3	5400.5	7161.5	7355.2
35°	5252.3	5243.5	5038.0	4625.6	4138.4	4038.6	4327.7	5714.5	7846.9	8155.0
37.5°	6103.4	6099.0	5981.6	5495.9	4903.0	4630.0	4768.0	6125.4	8580.6	9026.7
40°	6881.2	6894.4	6777.0	6342.6	5745.4	5388.7	5366.7	6633.2	9396.6	9976.2
42.5°	7553.3	7568.0	7449.2	7127.8	6577.4	6228.2	6102.0	7255.4	10193.4	10996.2
45°	8009.7	8100.7	8083.1	7826.3	7431.5	7069.1	6985.4	8036.2	11101.8	12077.7
47.5°	8138.9	8222.5	8354.6	8389.8	8149.2	7792.6	7892.3	8976.8	12020.5	13160.8
50°	7820.4	7898.2	8172.6	8538.1	8705.4	8595.3	8774.3	9985.0	12961.2	14240.9
52.5°	7192.3	7271.6	7617.9	8196.1	8878.5	9224.9	9659.2	10978.5	13872.5	15263.7
55°	6283.9	6367.6	6812.2	7466.8	8548.3	9484.6	10397.4	11970.6	14707.5	16183.9
57.5°	5048.3	5109.9	5572.2	6487.9	7717.7	9226.3	10941.9	13053.6	15494.1	17087.9
60°	3290.2	3344.5	3881.6	4903.0	6341.2	8363.4	11050.5	14261.4	16539.0	18263.3
62.5°	2188.1	2224.8	2543.2	3293.1	4465.7	6706.6	10415.0	15225.6	18071.1	20309.1
65°	1501.3	1538.0	1856.4	2378.9	2885.2	4436.3	8588.0	15097.9	19459.4	21933.6
67.5°	1071.3	1102.1	1372.1	1865.2	2088.3	2577.0	5821.7	13466.0	19259.8	21995.3
70°	767.5	785.1	1008.2	1452.8	1659.8	1548.2	3237.4	10299.1	16863.3	20310.5
72.5°	537.1	543.0	700.0	1106.5	1336.9	1130.0	1540.9	6866.5	12754.3	15941.7
75°	363.9	371.3	471.1	811.5	1072.8	862.9	815.9	3682.0	7487.3	8824.2
77.5°	223.1	226.0	303.8	554.7	802.7	657.5	525.4	1560.0	2896.9	2844.1
80°	126.2	126.2	193.7	344.9	547.4	424.1	368.3	663.3	917.2	805.7
82.5°	70.4	71.9	140.9	214.3	362.5	250.9	202.5	306.7	396.2	350.7
85°	29.4	32.3	86.6	101.3	173.2	124.7	82.2	129.1	146.8	130.6
87.5°	2.9	4.4	26.4	19.1	20.5	24.9	11.7	24.9	20.5	20.5
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°
3376.8	0°	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8
3426.7	2.5°	3398.8	3376.8	3321.0	3256.4	3171.3	3130.2	3074.5	3036.3	3004.0	3007.0
3511.8	5°	3464.8	3409.1	3284.3	3128.8	2935.0	2797.1	2650.3	2549.1	2466.9	2449.3
3629.2	7.5°	3555.8	3467.8	3249.1	2968.8	2641.5	2393.5	2171.9	2029.6	1928.3	1896.0
3771.5	10°	3673.2	3545.5	3203.6	2767.8	2296.7	1981.2	1743.4	1631.9	1562.9	1539.4
3938.8	12.5°	3809.7	3635.1	3143.4	2522.7	1941.5	1637.8	1486.6	1430.8	1408.8	1401.5
4144.3	15°	3981.4	3746.6	3052.5	2232.1	1640.7	1427.9	1363.3	1356.0	1358.9	1356.0
4390.8	17.5°	4185.4	3868.4	2904.2	1932.7	1438.2	1320.8	1297.3	1303.2	1310.5	1309.0
4666.7	20°	4408.4	3988.7	2714.9	1667.1	1300.2	1244.5	1231.3	1237.1	1243.0	1240.1
4985.2	22.5°	4662.3	4117.9	2505.1	1460.2	1207.8	1174.0	1159.3	1160.8	1160.8	1154.9
5388.7	25°	4966.1	4260.2	2284.9	1313.4	1137.3	1110.9	1093.3	1087.4	1078.6	1061.0
5878.9	27.5°	5328.6	4411.4	2073.6	1210.7	1081.6	1056.6	1036.1	1021.4	999.4	970.0
6467.4	30°	5736.6	4594.8	1894.6	1146.1	1037.5	1012.6	989.1	967.1	934.8	898.1
7143.9	32.5°	6216.4	4791.5	1764.0	1103.6	997.9	971.5	943.6	917.2	882.0	845.3
7904.1	35°	6788.8	5029.2	1687.7	1074.2	967.1	931.9	901.1	871.7	845.3	813.0
8730.3	37.5°	7409.5	5281.6	1664.2	1059.6	946.6	892.3	857.0	836.5	833.6	814.5
9624.0	40°	8089.0	5581.0	1681.8	1050.7	924.5	854.1	815.9	811.5	818.9	785.1
10579.4	42.5°	8808.1	5936.1	1711.1	1040.5	893.7	815.9	779.3	779.3	773.4	726.4
11589.0	45°	9585.9	6345.6	1740.5	1015.5	857.0	777.8	749.9	739.6	714.7	669.2
12604.6	47.5°	10369.5	6762.4	1762.5	970.0	813.0	745.5	720.6	697.1	660.4	619.3
13601.0	50°	11113.6	7136.6	1739.0	902.5	763.1	714.7	688.3	656.0	616.4	588.5
14544.6	52.5°	11778.3	7460.9	1639.2	823.3	710.3	682.4	658.9	625.2	592.9	563.5
15395.8	55°	12356.6	7723.6	1463.1	748.4	663.3	654.5	631.0	588.5	544.5	519.5
16239.6	57.5°	12911.3	7923.2	1243.0	686.8	620.8	623.7	588.5	550.3	509.2	482.8
17377.0	60°	13649.4	8190.3	1019.9	629.6	575.3	584.1	545.9	518.0	466.7	432.9
19327.3	62.5°	14829.3	8605.6	810.1	559.1	522.4	525.4	509.2	475.5	413.8	374.2
20772.8	65°	15765.6	8452.9	638.4	482.8	462.3	466.7	466.7	430.0	363.9	318.5
20850.6	67.5°	15660.0	7237.8	509.2	408.0	405.0	408.0	418.2	387.4	322.9	286.2
19262.7	70°	14425.8	5757.1	408.0	339.0	352.2	344.9	374.2	353.7	290.6	253.9
14933.5	72.5°	11771.0	4147.2	311.1	280.3	270.0	281.8	337.5	318.5	242.1	201.1
7910.0	75°	6878.3	2213.0	231.9	221.6	195.2	234.8	299.4	271.5	184.9	148.2
2424.4	77.5°	2239.4	771.9	170.2	162.9	145.3	189.3	255.3	228.9	151.2	117.4
710.3	80°	600.2	233.3	115.9	107.1	93.9	140.9	202.5	182.0	108.6	76.3
305.2	82.5°	240.7	98.3	67.5	60.2	51.4	96.9	160.0	146.8	80.7	48.4
95.4	85°	77.8	32.3	24.9	19.1	23.5	60.2	95.4	99.8	57.2	24.9
14.7	87.5°	10.3	4.4	4.4	5.9	4.4	10.3	29.4	27.9	16.1	2.9
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>
3376.8
2977.6
2409.7
1863.8
1521.8
1397.1
1354.5
1306.1
1238.6
1152.0
1058.1
967.1
895.2
846.8
810.1
813.0
786.6
726.4
667.7
617.8
584.1
560.6
516.6
479.9
428.5
371.3
314.1
280.3
249.5
196.6
143.8
113.0
74.8
48.4
19.1
0.0
0.0

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