

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: P850715

Luminaire Tested: **GLAN-SB8B-835-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850715  
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-835-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 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: 27530 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

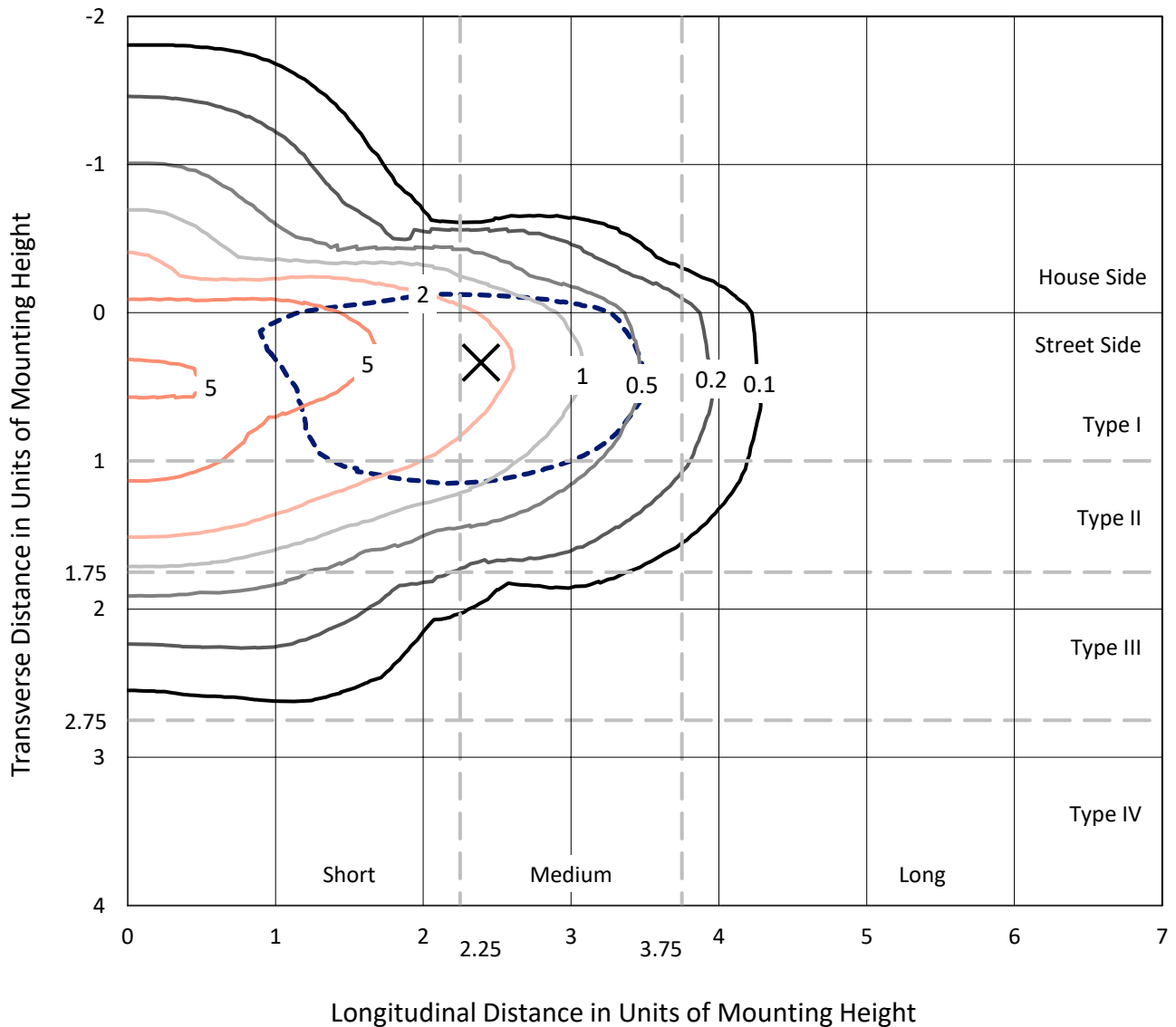
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

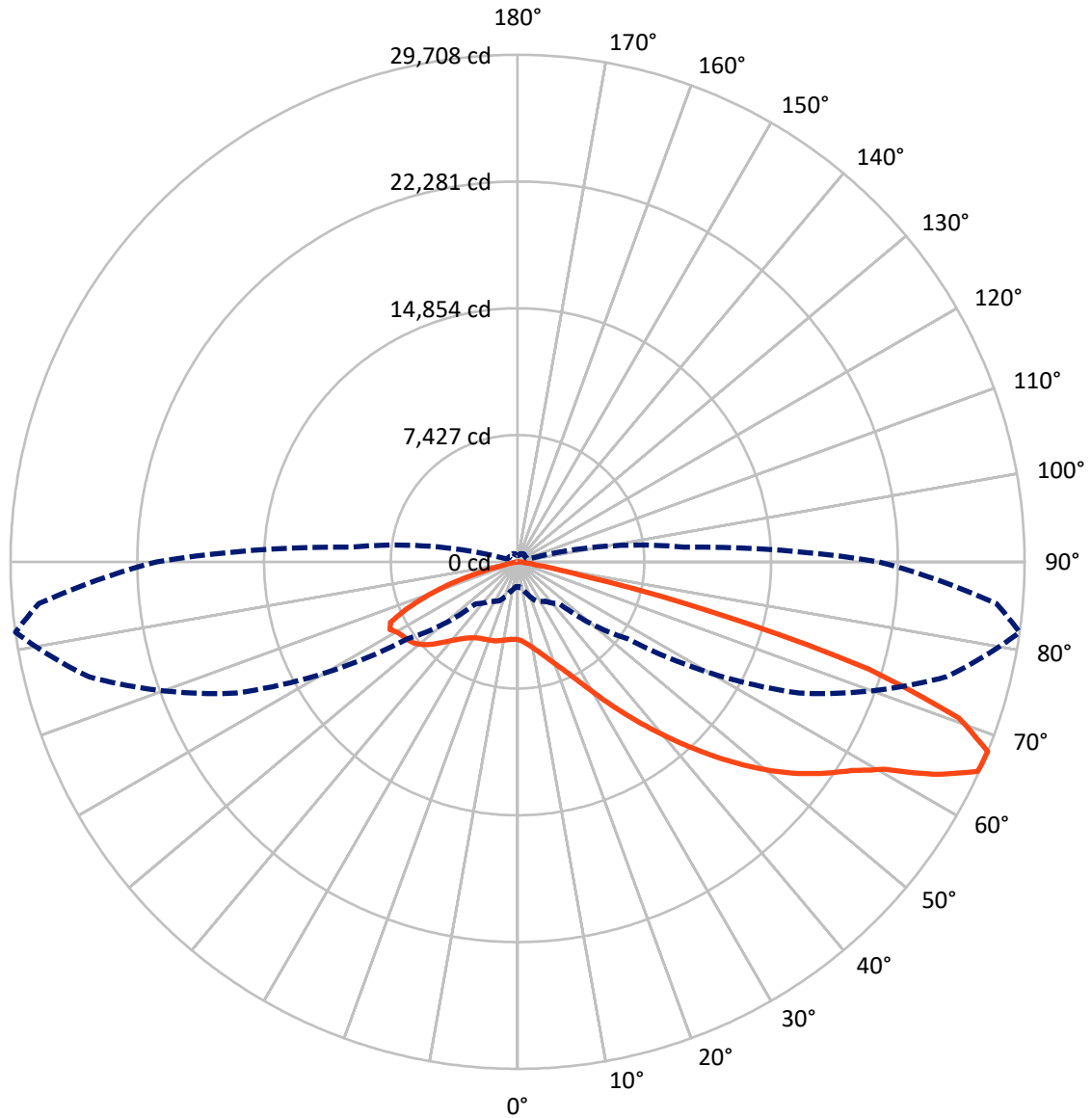
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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	4986.8	0.0	4986.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	22543.2	0.0	22543.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	27530.0	0.0	27530.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	406.3	1.5
10°-20°	1055.9	3.8
20°-30°	1691.2	6.1
30°-40°	2990.6	10.9
40°-50°	5239.8	19.0
50°-60°	6988.4	25.4
60°-70°	6505.8	23.6
70°-80°	2496.9	9.1
80°-90°	155.1	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°	27530.0	100.0
0°-180°	27530.0	100.0

**Coefficient of Utilization**

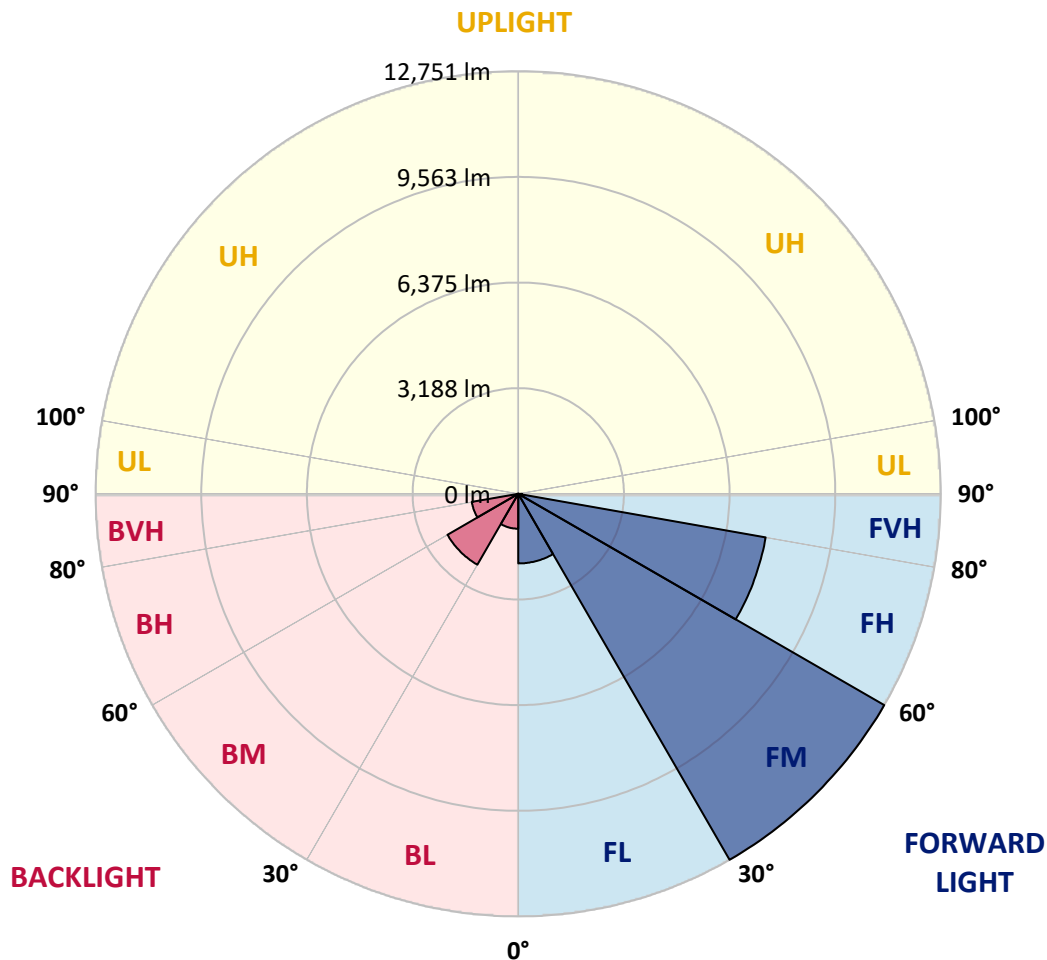


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2100.2	7.6			
FM (30°-60°)	12750.8	46.3			
FH (60°-80°)	7579.4	27.5			G4/12000
FVH (80°-90°)	112.8	0.4			G2/225
BL (0°-30°)	1053.2	3.8	B3/2500		
BM (30°-60°)	2468.0	9.0	B2/2500		
BH (60°-80°)	1423.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	42.3	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-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4560.8	4560.8	4560.8	4560.8	4560.8	4560.8	4560.8	4560.8	4560.8	4560.8
2.5°	4820.4	4848.2	4832.3	4824.4	4810.5	4790.7	4774.9	4725.3	4673.8	4640.1
5°	4917.6	4945.3	4943.3	4951.3	4961.2	4967.1	4963.2	4907.7	4834.3	4776.8
7.5°	4834.3	4866.0	4891.8	4931.4	5000.8	5074.2	5109.8	5097.9	5022.6	4943.3
10°	4598.4	4632.1	4693.6	4786.7	4933.4	5092.0	5224.8	5286.2	5238.7	5151.5
12.5°	4166.4	4200.0	4321.0	4523.1	4768.9	5044.4	5298.1	5462.6	5474.5	5387.3
15°	3680.7	3714.4	3843.3	4097.0	4471.6	4913.6	5337.8	5649.0	5754.0	5678.7
17.5°	3379.5	3409.2	3506.3	3710.5	4100.9	4652.0	5323.9	5847.2	6087.0	6027.5
20°	3288.3	3314.1	3359.6	3502.4	3827.4	4380.4	5232.7	6033.5	6445.8	6412.1
22.5°	3385.4	3409.2	3423.1	3486.5	3690.7	4202.0	5117.8	6223.8	6862.0	6866.0
25°	3609.4	3633.2	3617.3	3657.0	3746.2	4146.5	5074.2	6447.7	7385.3	7428.9
27.5°	3978.1	3980.0	3942.4	3940.4	3954.3	4229.8	5119.7	6687.6	8045.3	8126.6
30°	4717.4	4687.6	4543.0	4386.4	4315.0	4479.5	5246.6	6971.0	8824.3	8969.0
32.5°	5857.1	5813.5	5547.9	5173.3	4796.7	4881.9	5474.5	7294.1	9672.6	9934.2
35°	7093.9	7082.0	6804.5	6247.5	5589.5	5454.7	5845.2	7718.3	10598.2	11014.5
37.5°	8243.5	8237.6	8079.0	7422.9	6622.2	6253.5	6439.8	8273.2	11589.3	12191.8
40°	9294.0	9311.9	9153.3	8566.6	7759.9	7278.2	7248.5	8959.0	12691.3	13474.2
42.5°	10201.8	10221.6	10061.1	9627.0	8883.7	8412.0	8241.5	9799.5	13767.6	14851.8
45°	10818.2	10941.1	10917.4	10570.5	10037.3	9547.7	9434.7	10853.9	14994.5	16312.6
47.5°	10992.7	11105.7	11284.0	11331.6	11006.5	10524.9	10659.7	12124.4	16235.3	17775.4
50°	10562.6	10667.6	11038.3	11531.8	11757.8	11609.1	11850.9	13486.1	17505.8	19234.2
52.5°	9714.2	9821.3	10289.0	11070.0	11991.6	12459.4	13046.1	14828.0	18736.7	20615.7
55°	8487.3	8600.3	9200.9	10084.9	11545.7	12810.2	14043.1	16167.9	19864.5	21858.5
57.5°	6818.4	6901.6	7526.0	8762.8	10423.8	12461.4	14778.5	17630.7	20926.9	23079.5
60°	4443.8	4517.2	5242.6	6622.2	8564.6	11295.9	14925.1	19262.0	22338.2	24667.1
62.5°	2955.3	3004.8	3435.0	4447.8	6031.5	9058.2	14066.9	20564.2	24407.5	27430.1
65°	2027.7	2077.2	2507.3	3213.0	3896.8	5991.9	11599.2	20391.7	26282.5	29624.3
67.5°	1446.9	1488.5	1853.3	2519.2	2820.5	3480.6	7863.0	18187.7	26013.0	29707.6
70°	1036.6	1060.4	1361.7	1962.3	2241.7	2091.1	4372.5	13910.3	22776.2	27432.1
72.5°	725.4	733.4	945.5	1494.5	1805.7	1526.2	2081.2	9274.2	17226.3	21531.4
75°	491.6	501.5	636.3	1096.1	1448.9	1165.5	1102.0	4973.1	10112.6	11918.3
77.5°	301.3	305.2	410.3	749.2	1084.2	888.0	709.6	2107.0	3912.6	3841.3
80°	170.5	170.5	261.6	465.8	739.3	572.8	497.5	895.9	1238.8	1088.2
82.5°	95.1	97.1	190.3	289.4	489.6	338.9	273.5	414.3	535.2	473.7
85°	39.6	43.6	116.9	136.8	233.9	168.5	111.0	174.4	198.2	176.4
87.5°	4.0	5.9	35.7	25.8	27.7	33.7	15.9	33.7	27.7	27.7
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°
4560.8	0°	4560.8	4560.8	4560.8	4560.8	4560.8	4560.8	4560.8	4560.8	4560.8	4560.8
4628.2	2.5°	4590.5	4560.8	4485.5	4398.3	4283.3	4227.8	4152.5	4100.9	4057.3	4061.3
4743.1	5°	4679.7	4604.4	4435.9	4225.8	3964.2	3777.9	3579.7	3442.9	3331.9	3308.1
4901.7	7.5°	4802.6	4683.7	4388.3	4009.8	3567.8	3232.8	2933.5	2741.2	2604.5	2560.9
5094.0	10°	4961.2	4788.7	4326.9	3738.2	3102.0	2675.8	2354.7	2204.1	2110.9	2079.2
5319.9	12.5°	5145.5	4909.6	4245.6	3407.2	2622.3	2212.0	2007.9	1932.5	1902.8	1892.9
5597.4	15°	5377.4	5060.3	4122.7	3014.8	2216.0	1928.6	1841.4	1831.5	1835.4	1831.5
5930.4	17.5°	5652.9	5224.8	3922.6	2610.4	1942.4	1783.9	1752.2	1760.1	1770.0	1768.0
6303.0	20°	5954.2	5387.3	3666.9	2251.7	1756.1	1680.8	1663.0	1670.9	1678.8	1674.9
6733.2	22.5°	6297.1	5561.7	3383.4	1972.2	1631.3	1585.7	1565.9	1567.8	1567.8	1559.9
7278.2	25°	6707.4	5754.0	3086.1	1774.0	1536.1	1500.4	1476.7	1468.7	1456.8	1433.1
7940.3	27.5°	7197.0	5958.2	2800.7	1635.2	1460.8	1427.1	1399.4	1379.5	1349.8	1310.2
8735.1	30°	7748.0	6205.9	2558.9	1548.0	1401.3	1367.6	1335.9	1306.2	1262.6	1213.0
9648.8	32.5°	8396.1	6471.5	2382.5	1490.5	1347.8	1312.1	1274.5	1238.8	1191.2	1141.7
10675.5	35°	9169.1	6792.6	2279.4	1450.9	1306.2	1258.6	1217.0	1177.4	1141.7	1098.1
11791.5	37.5°	10007.6	7133.5	2247.7	1431.1	1278.4	1205.1	1157.5	1129.8	1125.8	1100.1
12998.5	40°	10925.3	7537.9	2271.5	1419.2	1248.7	1153.6	1102.0	1096.1	1106.0	1060.4
14288.9	42.5°	11896.5	8017.6	2311.1	1405.3	1207.1	1102.0	1052.5	1052.5	1044.6	981.1
15652.6	45°	12947.0	8570.6	2350.8	1371.6	1157.5	1050.5	1012.8	999.0	965.3	903.8
17024.2	47.5°	14005.4	9133.5	2380.5	1310.2	1098.1	1006.9	973.2	941.5	891.9	836.4
18370.0	50°	15010.4	9638.9	2348.8	1219.0	1030.7	965.3	929.6	886.0	832.5	794.8
19644.5	52.5°	15908.3	10076.9	2214.0	1112.0	959.3	921.7	890.0	844.4	800.8	761.1
20794.1	55°	16689.2	10431.7	1976.1	1010.9	895.9	884.0	852.3	794.8	735.4	701.7
21933.8	57.5°	17438.4	10701.3	1678.8	927.6	838.4	842.4	794.8	743.3	687.8	652.1
23469.9	60°	18435.4	11062.0	1377.6	850.3	777.0	788.9	737.3	699.7	630.3	584.7
26104.1	62.5°	20029.0	11623.0	1094.1	755.2	705.6	709.6	687.8	642.2	558.9	505.4
28056.5	65°	21293.6	11416.8	862.2	652.1	624.4	630.3	630.3	580.8	491.6	430.1
28161.5	67.5°	21150.9	9775.7	687.8	551.0	547.1	551.0	564.9	523.3	436.1	386.5
26016.9	70°	19483.9	7775.7	551.0	457.9	475.7	465.8	505.4	477.7	392.5	342.9
20169.7	72.5°	15898.3	5601.4	420.2	378.6	364.7	380.6	455.9	430.1	327.0	271.5
10683.5	75°	9290.1	2989.0	313.2	299.3	263.6	317.1	404.3	366.7	249.7	200.2
3274.4	77.5°	3024.7	1042.6	229.9	220.0	196.2	255.7	344.9	309.2	204.2	158.6
959.3	80°	810.7	315.2	156.6	144.7	126.9	190.3	273.5	245.8	146.7	103.1
412.3	82.5°	325.1	132.8	91.2	81.3	69.4	130.8	216.0	198.2	109.0	65.4
128.8	85°	105.1	43.6	33.7	25.8	31.7	81.3	128.8	134.8	77.3	33.7
19.8	87.5°	13.9	5.9	5.9	7.9	5.9	13.9	39.6	37.7	21.8	4.0
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>
4560.8
4021.7
3254.6
2517.3
2055.4
1886.9
1829.5
1764.1
1672.9
1555.9
1429.1
1306.2
1209.1
1143.7
1094.1
1098.1
1062.4
981.1
901.9
834.5
788.9
757.2
697.7
648.1
578.8
501.5
424.2
378.6
337.0
265.6
194.2
152.6
101.1
65.4
25.8
0.0
0.0

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