

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: P853120

Luminaire Tested: **GLAN-SB8D-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

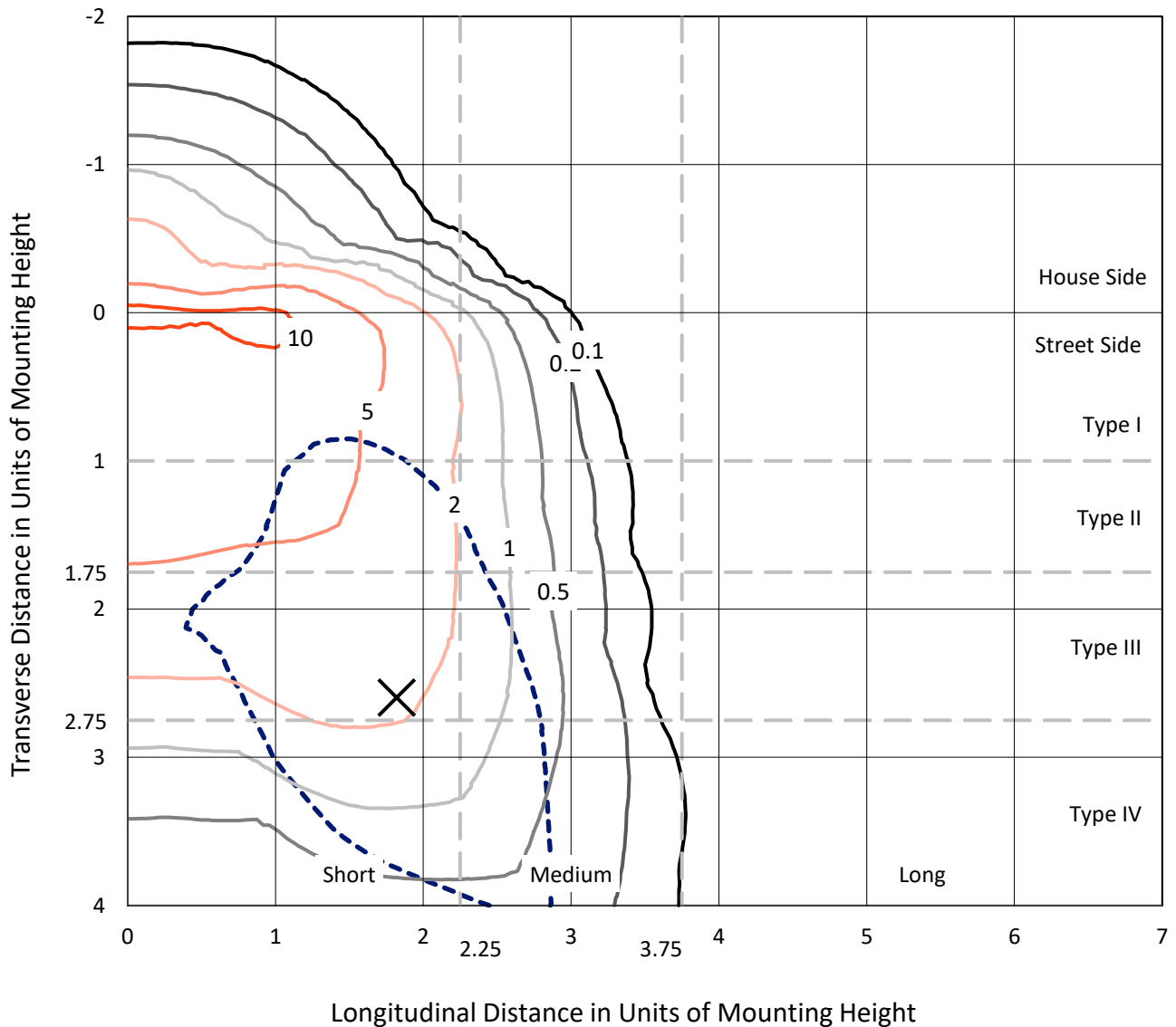
Lumens per Lamp: N/A  
Luminaire Lumens: 51584 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

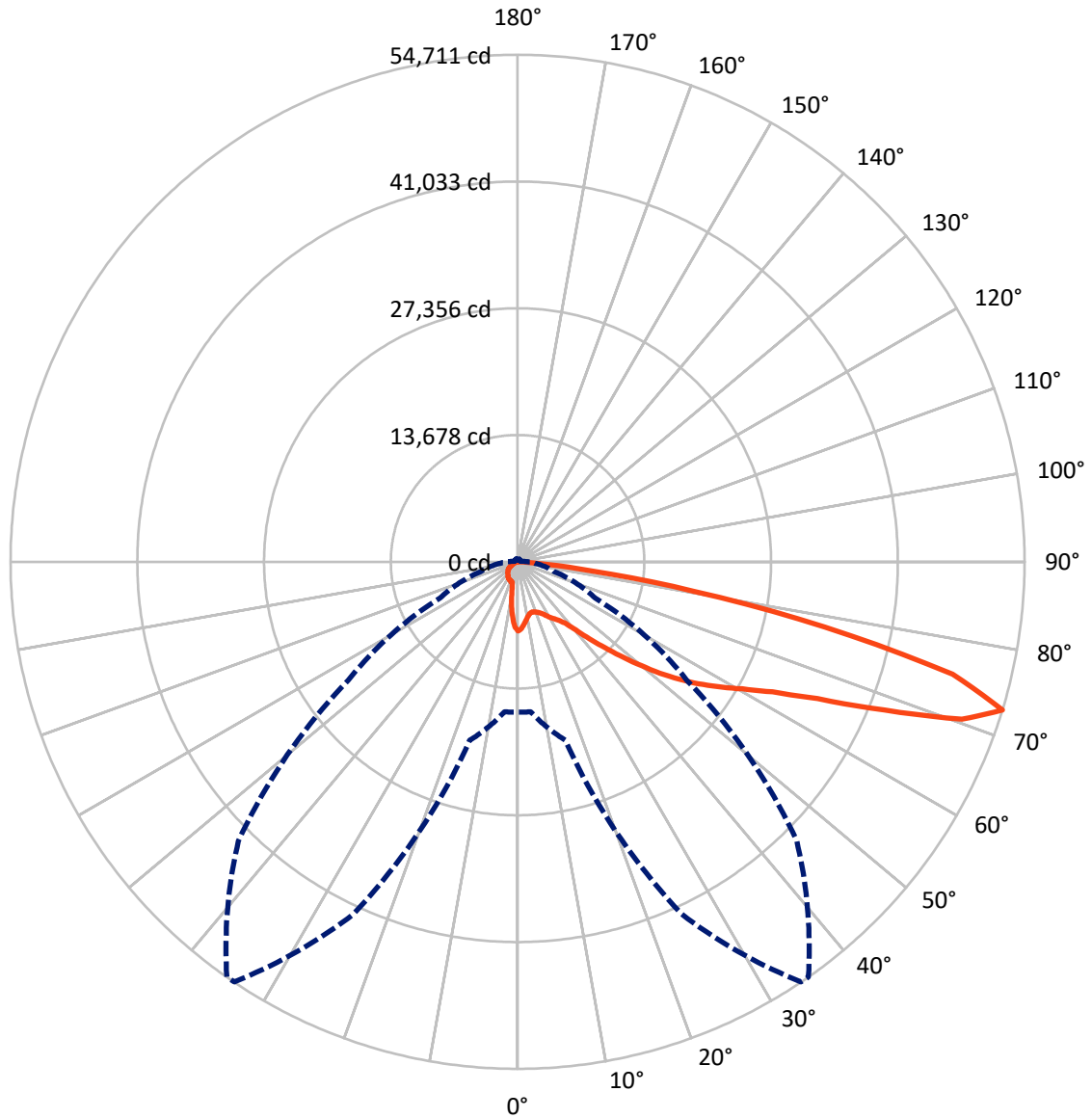
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5805.5	0.0	5805.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	45778.5	0.0	45778.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	51584.0	0.0	51584.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	614.3	1.2
10°-20°	1437.2	2.8
20°-30°	2334.7	4.5
30°-40°	3895.4	7.6
40°-50°	7370.2	14.3
50°-60°	11711.2	22.7
60°-70°	14487.6	28.1
70°-80°	9005.6	17.5
80°-90°	727.8	1.4
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°	51584.0	100.0
0°-180°	51584.0	100.0

**Coefficient of Utilization**



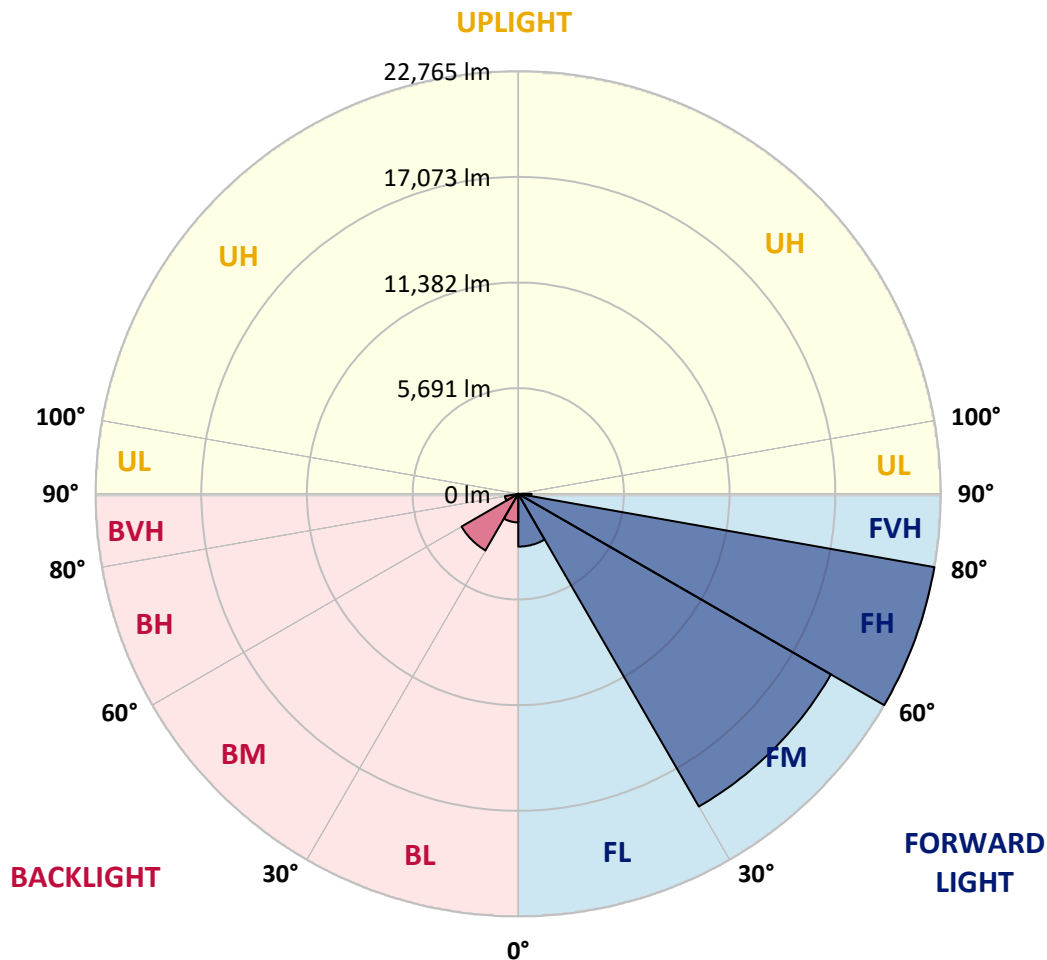
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2843.6	5.5			
FM (30°-60°)	19452.3	37.7			
FH (60°-80°)	22764.7	44.1			G5
FVH (80°-90°)	717.9	1.4			G4/750
BL (0°-30°)	1542.6	3.0	B3/2500		
BM (30°-60°)	3524.5	6.8	B3/5000		
BH (60°-80°)	728.5	1.4	B2/1000		G2/1000
BVH (80°-90°)	9.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	7476.3	7476.3	7476.3	7476.3	7476.3	7476.3	7476.3	7476.3	7476.3	7476.3
2.5°	7143.6	7204.1	7215.5	7234.4	7234.4	7257.0	7294.8	7347.7	7434.7	7480.0
5°	6584.2	6629.6	6686.3	6731.6	6818.6	6829.9	6977.3	7121.0	7321.3	7472.5
7.5°	6021.1	6074.0	6149.6	6259.2	6372.6	6406.6	6629.6	6871.5	7189.0	7472.5
10°	5624.2	5628.0	5696.0	5805.6	5987.0	6028.6	6300.8	6644.7	7041.6	7427.1
12.5°	5401.2	5427.7	5457.9	5541.0	5714.9	5741.4	6032.4	6436.8	6894.2	7400.7
15°	5401.2	5420.1	5439.0	5480.6	5620.4	5643.1	5900.1	6304.5	6818.6	7412.0
17.5°	5457.9	5488.1	5473.0	5522.1	5669.6	5684.7	5911.5	6266.7	6814.8	7483.8
20°	5594.0	5616.6	5586.4	5616.6	5764.0	5794.3	6028.6	6338.6	6879.1	7608.5
22.5°	5809.4	5820.7	5748.9	5771.6	5922.8	5960.6	6232.7	6542.7	7034.0	7808.9
25°	6081.5	6104.2	5994.6	6021.1	6164.7	6210.1	6523.8	6848.8	7279.7	8084.8
27.5°	6395.3	6406.6	6312.1	6308.3	6493.5	6557.8	6875.3	7226.8	7608.5	8432.5
30°	6754.3	6788.3	6697.6	6682.5	6916.9	6969.8	7283.5	7691.7	8092.3	8954.1
32.5°	7037.8	7064.3	7011.3	7049.1	7287.3	7328.8	7778.6	8349.4	8852.1	9694.9
35°	7446.0	7461.1	7340.2	7408.2	7680.4	7786.2	8455.2	9271.6	9808.3	10624.7
37.5°	8923.9	8923.9	8409.8	8073.4	8334.2	8428.7	9381.2	10432.0	10987.6	11872.0
40°	10968.7	10934.7	10182.5	9494.6	9460.6	9645.8	10700.3	11894.7	12510.8	13368.8
42.5°	13149.6	13096.7	12072.4	11392.0	11278.6	11342.9	12223.6	13697.6	14325.1	15194.4
45°	15084.8	15069.7	14132.3	13217.6	13013.5	13217.6	14124.7	15806.7	16256.5	17171.2
47.5°	16706.3	16706.3	16022.2	15425.0	15319.1	15440.1	16698.7	18146.4	18104.8	19276.5
50°	18573.5	18558.3	17908.2	17651.2	17760.8	17930.9	19662.0	20610.7	20017.3	21344.0
52.5°	19881.2	19971.9	19748.9	19707.4	20266.8	20561.6	22670.7	23022.2	21729.5	23305.6
55°	20916.9	21022.7	21279.7	21570.8	22648.0	23033.5	25584.8	25308.9	23162.0	25006.5
57.5°	22383.4	22232.2	22629.1	23203.6	24946.0	25410.9	28408.2	27467.1	24314.8	26386.1
60°	24163.6	24186.3	24254.3	24980.1	27240.3	27837.5	31190.1	29508.1	25055.6	27232.8
62.5°	26302.9	26337.0	26476.8	27591.8	30320.8	30883.9	34153.4	31178.8	25395.8	26994.6
65°	26155.5	26299.2	27860.2	31673.9	35003.8	35559.4	37611.8	32350.5	24881.8	24817.5
67.5°	23827.2	24061.6	26673.4	36549.7	42064.3	42684.2	41792.2	32581.0	22663.1	19299.2
70°	20773.2	20856.4	23997.3	40934.2	50239.8	50867.2	45534.1	30044.9	17197.6	10764.6
72.5°	16222.5	16241.4	19926.6	41950.9	54677.2	54711.2	42597.2	22304.0	9248.9	4135.0
75°	11588.6	11475.2	13346.1	34021.1	48104.3	48489.8	31934.7	10462.2	3534.0	1954.1
77.5°	6213.8	6338.6	7551.8	20176.1	33231.1	33888.8	17424.4	3016.2	1799.1	1330.5
80°	1920.1	2025.9	3095.6	9237.6	18822.9	19219.8	6459.5	1341.8	1254.9	948.7
82.5°	604.8	627.4	1443.8	3881.8	7812.6	7994.1	1871.0	759.7	858.0	627.4
85°	173.9	177.6	642.5	1447.6	1931.4	1969.2	525.4	294.8	491.4	389.3
87.5°	18.9	60.5	241.9	241.9	170.1	166.3	56.7	64.3	139.8	49.1
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°
7476.3	0°	7476.3	7476.3	7476.3	7476.3	7476.3	7476.3	7476.3	7476.3	7476.3	7476.3
7510.3	2.5°	7491.4	7495.1	7446.0	7362.9	7272.1	7196.6	7102.1	7026.5	6973.6	6958.4
7578.3	5°	7544.3	7517.8	7378.0	7124.7	6822.4	6561.6	6270.5	6040.0	5888.8	5824.5
7650.1	7.5°	7623.7	7548.1	7241.9	6743.0	6164.7	5650.7	5129.1	4724.6	4467.6	4339.1
7718.2	10°	7691.7	7540.5	7015.1	6191.2	5306.7	4528.1	3825.1	3337.5	3065.3	2936.8
7797.5	12.5°	7755.9	7536.7	6720.3	5537.3	4339.1	3386.6	2732.7	2490.8	2415.2	2388.8
7926.0	15°	7876.9	7548.1	6349.9	4788.9	3375.3	2558.9	2320.7	2317.0	2332.1	2324.5
8122.6	17.5°	8043.2	7559.4	5930.4	3995.1	2604.2	2256.5	2245.1	2279.2	2301.8	2290.5
8368.3	20°	8258.6	7604.8	5484.3	3209.0	2237.6	2180.9	2207.3	2237.6	2256.5	2237.6
8697.1	22.5°	8561.0	7684.1	4996.8	2577.8	2120.4	2135.5	2158.2	2192.2	2211.1	2184.7
9116.6	25°	8931.4	7808.9	4516.7	2241.4	2063.7	2082.6	2116.6	2154.4	2177.1	2150.7
9645.8	27.5°	9411.5	8009.2	4074.5	2165.8	2007.0	2018.4	2067.5	2124.2	2154.4	2120.4
10398.0	30°	10106.9	8338.0	3692.8	2199.8	1973.0	1946.5	2014.6	2094.0	2128.0	2097.7
11422.3	32.5°	11029.2	8802.9	3458.4	2252.7	1957.9	1863.4	1927.6	2029.7	2086.4	2067.5
12760.3	35°	12238.7	9509.7	3367.7	2313.2	1946.5	1776.5	1821.8	1931.4	2029.7	2048.6
14446.0	37.5°	13705.2	10492.5	3394.2	2339.6	1912.5	1704.6	1727.3	1821.8	1950.3	2010.8
16343.4	40°	15372.0	11637.7	3545.4	2313.2	1874.7	1644.2	1648.0	1719.8	1833.2	1923.9
18384.5	42.5°	17091.8	12975.7	3825.1	2214.9	1840.7	1591.3	1579.9	1629.1	1704.6	1768.9
20421.7	45°	18728.4	14351.5	4101.0	2078.8	1799.1	1538.3	1511.9	1530.8	1545.9	1572.4
22406.1	47.5°	20157.2	15319.1	4021.6	1954.1	1742.4	1477.9	1432.5	1424.9	1379.6	1375.8
24178.8	50°	21143.7	15530.8	3571.8	1829.4	1659.3	1409.8	1338.0	1292.7	1213.3	1175.5
25505.4	52.5°	21457.4	14695.5	2917.9	1704.6	1523.2	1319.1	1217.1	1145.2	1047.0	1013.0
26268.9	55°	21041.6	13058.9	2332.1	1553.5	1334.2	1198.2	1084.8	990.3	910.9	869.3
26352.1	57.5°	20024.9	10976.3	1844.5	1375.8	1133.9	1062.1	948.7	854.2	786.2	744.6
25429.8	60°	18339.1	8716.0	1459.0	1164.1	967.6	914.7	797.5	737.0	676.6	627.4
23048.6	62.5°	15780.3	6221.4	1145.2	922.2	808.9	748.4	680.3	635.0	563.2	495.1
18766.2	65°	12314.3	3806.2	884.5	676.6	650.1	619.9	578.3	536.7	449.8	381.7
12242.5	67.5°	7767.3	1802.9	631.2	510.3	514.0	498.9	480.0	446.0	381.7	321.3
5484.3	70°	3420.6	873.1	415.8	389.3	381.7	381.7	396.9	385.5	325.1	268.4
1905.0	72.5°	1164.1	468.7	309.9	294.8	275.9	272.1	332.6	321.3	260.8	207.9
948.7	75°	608.5	313.7	226.8	211.7	166.3	200.3	264.6	249.5	185.2	136.1
627.4	77.5°	396.9	223.0	155.0	136.1	94.5	132.3	196.5	173.9	109.6	68.0
412.0	80°	249.5	147.4	90.7	64.3	45.4	71.8	105.8	75.6	41.6	15.1
241.9	82.5°	132.3	75.6	34.0	22.7	18.9	22.7	26.5	18.9	7.6	0.0
124.7	85°	52.9	26.5	11.3	7.6	3.8	0.0	7.6	3.8	0.0	0.0
22.7	87.5°	18.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



180°
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7476.3
6984.9
5847.2
4358.0
2940.6
2381.2
2320.7
2286.7
2233.8
2180.9
2146.9
2120.4
2094.0
2067.5
2048.6
2025.9
1954.1
1795.4
1587.5
1372.0
1179.3
1009.2
869.3
737.0
616.1
483.8
370.4
313.7
257.0
196.5
124.7
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