

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: P852308

Luminaire Tested: **GLAN-SB2D-850-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852308  
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-SB2D-850-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 5000K, 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: 13230 lumens  
Efficiency: N/A  
Efficacy: 89.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

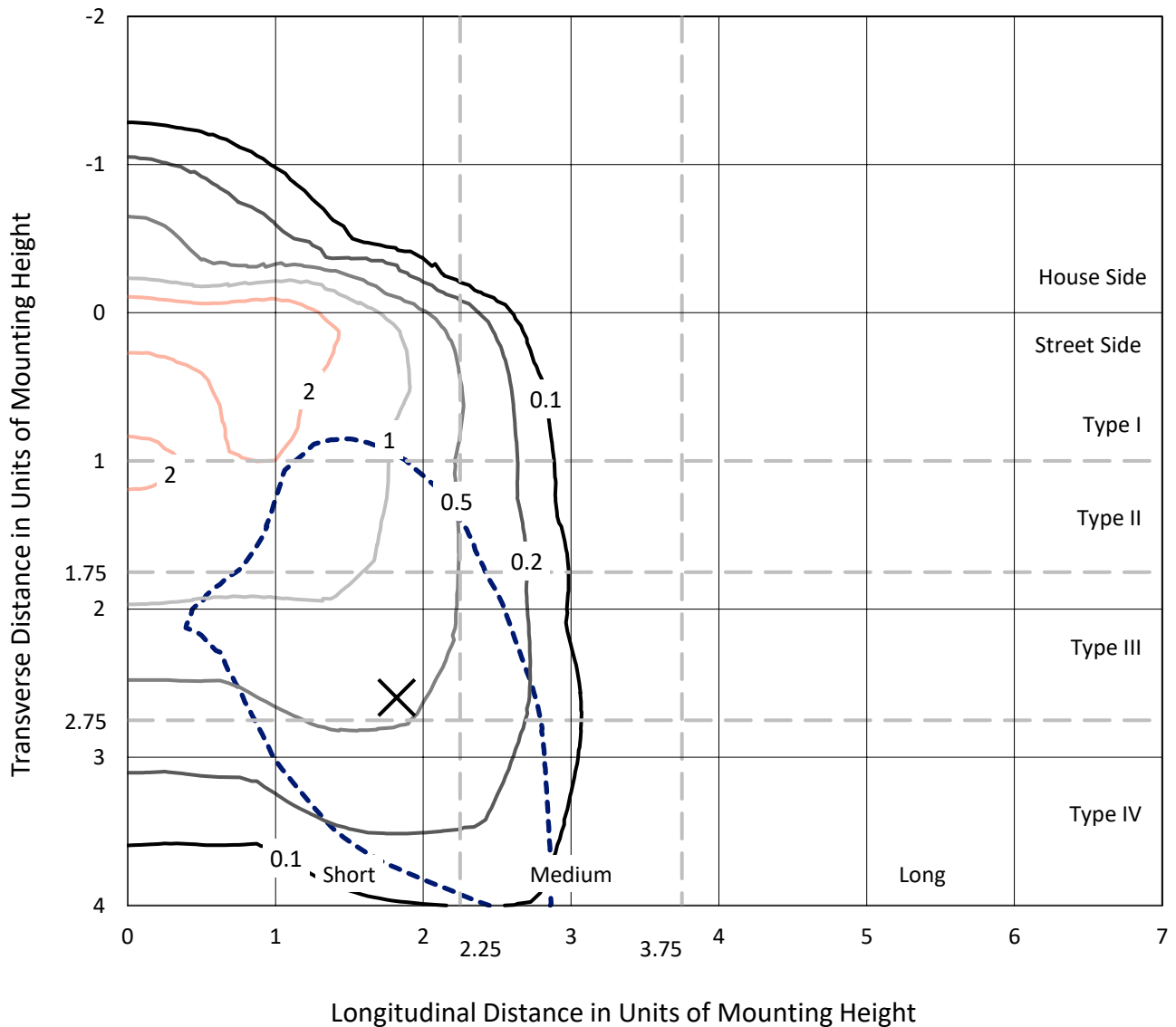
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

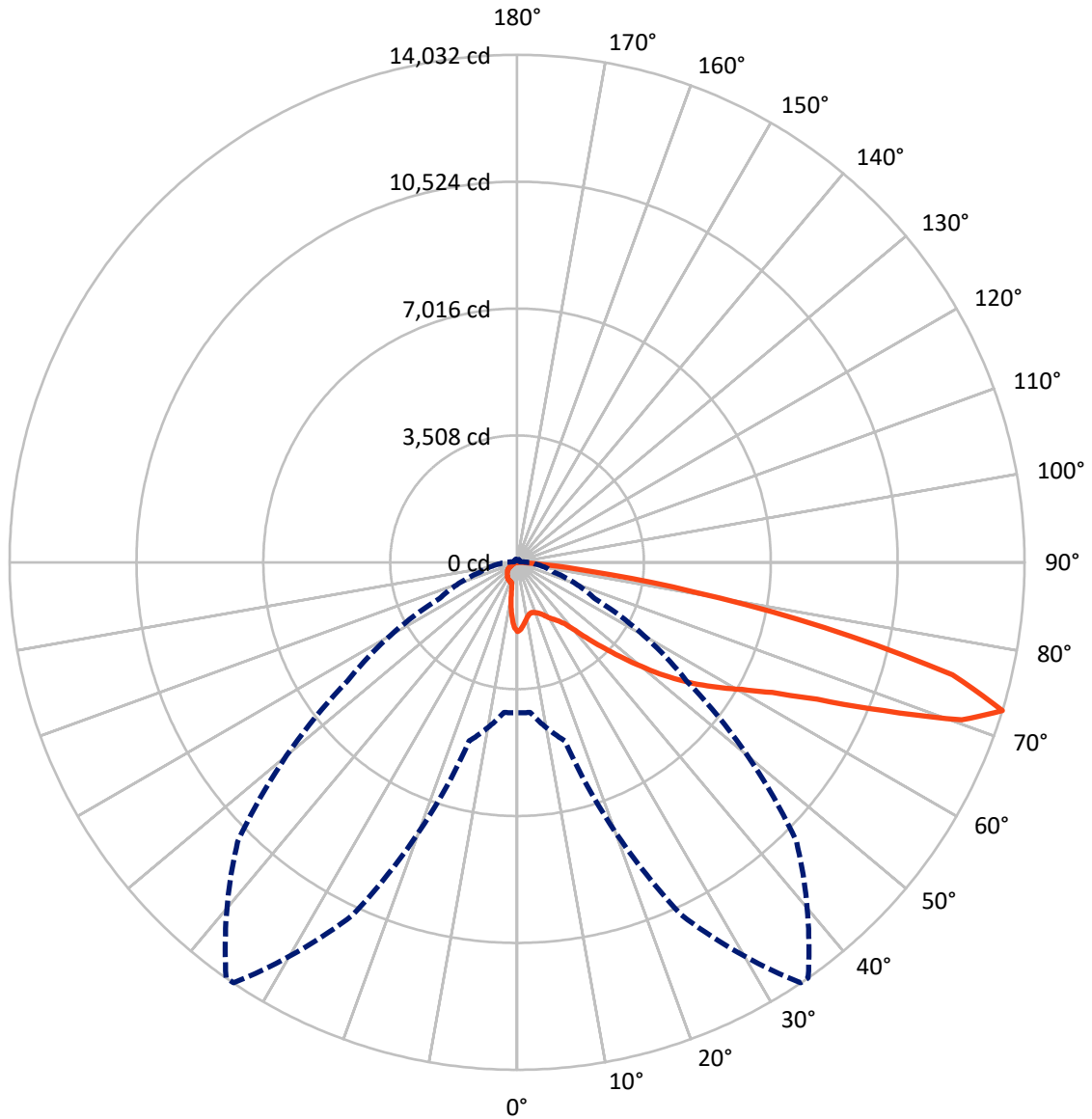
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	1489.0	0.0	1489.0
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	11741.0	0.0	11741.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	13230.0	0.0	13230.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.6	1.2
10°-20°	368.6	2.8
20°-30°	598.8	4.5
30°-40°	999.1	7.6
40°-50°	1890.3	14.3
50°-60°	3003.6	22.7
60°-70°	3715.7	28.1
70°-80°	2309.7	17.5
80°-90°	186.7	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°	13230.0	100.0
0°-180°	13230.0	100.0

**Coefficient of Utilization**



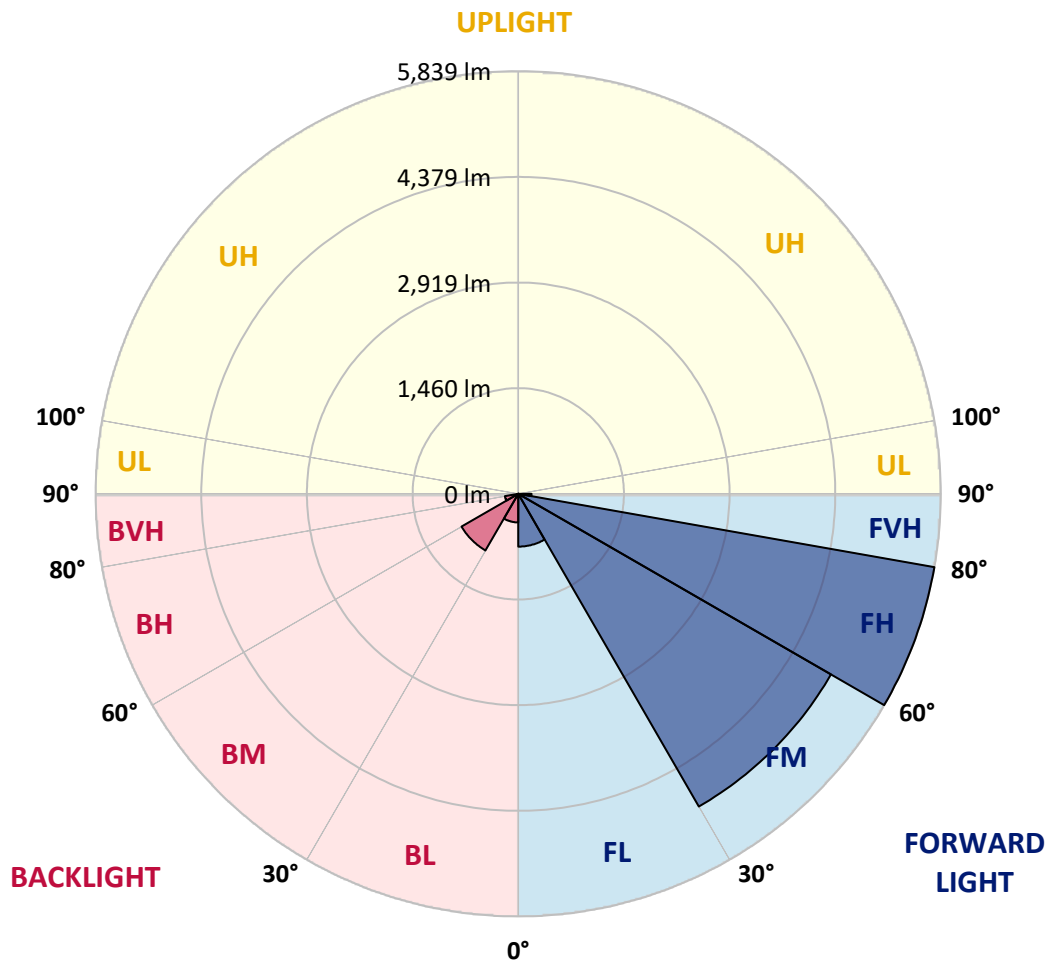
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	729.3	5.5			
FM (30°-60°)	4989.0	37.7			
FH (60°-80°)	5838.6	44.1			G3/7500
FVH (80°-90°)	184.1	1.4			G2/225
BL (0°-30°)	395.7	3.0	B1/500		
BM (30°-60°)	903.9	6.8	B1/1000		
BH (60°-80°)	186.8	1.4	B1/500		G1/500
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
2.5°	1832.2	1847.7	1850.6	1855.4	1855.4	1861.2	1870.9	1884.5	1906.8	1918.4
5°	1688.7	1700.3	1714.9	1726.5	1748.8	1751.7	1789.5	1826.3	1877.7	1916.5
7.5°	1544.3	1557.8	1577.2	1605.3	1634.4	1643.1	1700.3	1762.4	1843.8	1916.5
10°	1442.5	1443.4	1460.9	1489.0	1535.5	1546.2	1616.0	1704.2	1806.0	1904.9
12.5°	1385.3	1392.1	1399.8	1421.1	1465.7	1472.5	1547.2	1650.9	1768.2	1898.1
15°	1385.3	1390.1	1395.0	1405.6	1441.5	1447.3	1513.2	1617.0	1748.8	1901.0
17.5°	1399.8	1407.6	1403.7	1416.3	1454.1	1458.0	1516.1	1607.3	1747.8	1919.4
20°	1434.7	1440.5	1432.8	1440.5	1478.3	1486.1	1546.2	1625.7	1764.3	1951.4
22.5°	1490.0	1492.9	1474.5	1480.3	1519.0	1528.7	1598.5	1678.0	1804.1	2002.8
25°	1559.8	1565.6	1537.5	1544.3	1581.1	1592.7	1673.2	1756.6	1867.1	2073.5
27.5°	1640.2	1643.1	1618.9	1617.9	1665.4	1681.9	1763.3	1853.5	1951.4	2162.7
30°	1732.3	1741.0	1717.8	1713.9	1774.0	1787.6	1868.0	1972.7	2075.5	2296.5
32.5°	1805.0	1811.8	1798.2	1807.9	1869.0	1879.7	1995.0	2141.4	2270.3	2486.5
35°	1909.7	1913.6	1882.6	1900.0	1969.8	1997.0	2168.5	2377.9	2515.6	2725.0
37.5°	2288.8	2288.8	2156.9	2070.6	2137.5	2161.8	2406.0	2675.5	2818.0	3044.9
40°	2813.2	2804.5	2611.6	2435.1	2426.4	2473.9	2744.4	3050.7	3208.7	3428.8
42.5°	3372.5	3359.0	3096.3	2921.8	2892.7	2909.2	3135.0	3513.1	3674.0	3897.0
45°	3868.9	3865.0	3624.6	3390.0	3337.6	3390.0	3622.6	4054.0	4169.4	4404.0
47.5°	4284.7	4284.7	4109.3	3956.1	3929.0	3960.0	4282.8	4654.1	4643.4	4943.9
50°	4763.6	4759.7	4593.0	4527.1	4555.2	4598.8	5042.8	5286.1	5133.9	5474.2
52.5°	5099.0	5122.3	5065.1	5054.4	5197.9	5273.5	5814.5	5904.6	5573.1	5977.3
55°	5364.7	5391.8	5457.7	5532.4	5808.6	5907.5	6561.9	6491.1	5940.5	6413.5
57.5°	5740.8	5702.0	5803.8	5951.1	6398.0	6517.3	7286.0	7044.6	6236.1	6767.4
60°	6197.4	6203.2	6220.6	6406.8	6986.5	7139.6	7999.5	7568.1	6426.1	6984.5
62.5°	6746.0	6754.8	6790.6	7076.6	7776.5	7921.0	8759.5	7996.6	6513.4	6923.4
65°	6708.2	6745.1	7145.4	8123.6	8977.6	9120.1	9646.5	8297.1	6381.6	6365.1
67.5°	6111.1	6171.2	6841.0	9374.1	10788.4	10947.4	10718.6	8356.2	5812.5	4949.7
70°	5327.8	5349.1	6154.7	10498.6	12885.2	13046.2	11678.3	7705.8	4410.8	2760.8
72.5°	4160.7	4165.5	5110.7	10759.4	14023.3	14032.0	10925.1	5720.4	2372.1	1060.5
75°	2972.2	2943.1	3422.9	8725.6	12337.5	12436.4	8190.4	2683.3	906.4	501.2
77.5°	1593.7	1625.7	1936.9	5174.7	8523.0	8691.6	4468.9	773.6	461.4	341.2
80°	492.5	519.6	793.9	2369.2	4827.6	4929.4	1656.7	344.1	321.8	243.3
82.5°	155.1	160.9	370.3	995.6	2003.7	2050.3	479.9	194.8	220.1	160.9
85°	44.6	45.6	164.8	371.3	495.4	505.1	134.7	75.6	126.0	99.8
87.5°	4.8	15.5	62.0	62.0	43.6	42.7	14.5	16.5	35.9	12.6
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°
1917.5	0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
1926.2	2.5°	1921.3	1922.3	1909.7	1888.4	1865.1	1845.7	1821.5	1802.1	1788.5	1784.7
1943.6	5°	1934.9	1928.1	1892.3	1827.3	1749.8	1682.9	1608.2	1549.1	1510.3	1493.8
1962.1	7.5°	1955.3	1935.9	1857.4	1729.4	1581.1	1449.3	1315.5	1211.7	1145.8	1112.9
1979.5	10°	1972.7	1934.0	1799.2	1587.9	1361.0	1161.3	981.0	856.0	786.2	753.2
1999.9	12.5°	1989.2	1933.0	1723.6	1420.2	1112.9	868.6	700.9	638.8	619.4	612.7
2032.8	15°	2020.2	1935.9	1628.6	1228.2	865.7	656.3	595.2	594.2	598.1	596.2
2083.2	17.5°	2062.9	1938.8	1521.0	1024.7	667.9	578.7	575.8	584.5	590.4	587.5
2146.2	20°	2118.1	1950.4	1406.6	823.0	573.9	559.3	566.1	573.9	578.7	573.9
2230.6	22.5°	2195.7	1970.8	1281.5	661.1	543.8	547.7	553.5	562.3	567.1	560.3
2338.2	25°	2290.7	2002.8	1158.4	574.9	529.3	534.1	542.9	552.6	558.4	551.6
2473.9	27.5°	2413.8	2054.2	1045.0	555.5	514.8	517.7	530.3	544.8	552.6	543.8
2666.8	30°	2592.2	2138.5	947.1	564.2	506.0	499.2	516.7	537.0	545.8	538.0
2929.5	32.5°	2828.7	2257.7	887.0	577.8	502.1	477.9	494.4	520.6	535.1	530.3
3272.7	35°	3138.9	2439.0	863.7	593.3	499.2	455.6	467.3	495.4	520.6	525.4
3705.0	37.5°	3515.0	2691.1	870.5	600.1	490.5	437.2	443.0	467.3	500.2	515.7
4191.7	40°	3942.5	2984.8	909.3	593.3	480.8	421.7	422.7	441.1	470.2	493.4
4715.2	42.5°	4383.6	3327.9	981.0	568.1	472.1	408.1	405.2	417.8	437.2	453.7
5237.7	45°	4803.4	3680.8	1051.8	533.2	461.4	394.5	387.8	392.6	396.5	403.3
5746.6	47.5°	5169.8	3929.0	1031.4	501.2	446.9	379.0	367.4	365.5	353.8	352.9
6201.2	50°	5422.8	3983.3	916.1	469.2	425.6	361.6	343.2	331.5	311.2	301.5
6541.5	52.5°	5503.3	3769.0	748.4	437.2	390.7	338.3	312.1	293.7	268.5	259.8
6737.3	55°	5396.6	3349.3	598.1	398.4	342.2	307.3	278.2	254.0	233.6	223.0
6758.6	57.5°	5135.9	2815.1	473.1	352.9	290.8	272.4	243.3	219.1	201.6	191.0
6522.1	60°	4703.5	2235.4	374.2	298.6	248.2	234.6	204.5	189.0	173.5	160.9
5911.4	62.5°	4047.2	1595.6	293.7	236.5	207.5	191.9	174.5	162.9	144.4	127.0
4813.1	65°	3158.3	976.2	226.8	173.5	166.7	159.0	148.3	137.7	115.4	97.9
3139.9	67.5°	1992.1	462.4	161.9	130.9	131.8	128.0	123.1	114.4	97.9	82.4
1406.6	70°	877.3	223.9	106.6	99.8	97.9	97.9	101.8	98.9	83.4	68.8
488.6	72.5°	298.6	120.2	79.5	75.6	70.8	69.8	85.3	82.4	66.9	53.3
243.3	75°	156.1	80.5	58.2	54.3	42.7	51.4	67.9	64.0	47.5	34.9
160.9	77.5°	101.8	57.2	39.7	34.9	24.2	33.9	50.4	44.6	28.1	17.4
105.7	80°	64.0	37.8	23.3	16.5	11.6	18.4	27.1	19.4	10.7	3.9
62.0	82.5°	33.9	19.4	8.7	5.8	4.8	5.8	6.8	4.8	1.9	0.0
32.0	85°	13.6	6.8	2.9	1.9	1.0	0.0	1.9	1.0	0.0	0.0
5.8	87.5°	4.8	1.0	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°
1917.5
1791.4
1499.7
1117.7
754.2
610.7
595.2
586.5
572.9
559.3
550.6
543.8
537.0
530.3
525.4
519.6
501.2
460.5
407.1
351.9
302.5
258.8
223.0
189.0
158.0
124.1
95.0
80.5
65.9
50.4
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