

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: P852494

Luminaire Tested: **GLAN-SB4B-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852494
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-SB4B-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 450mA 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: 16506 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

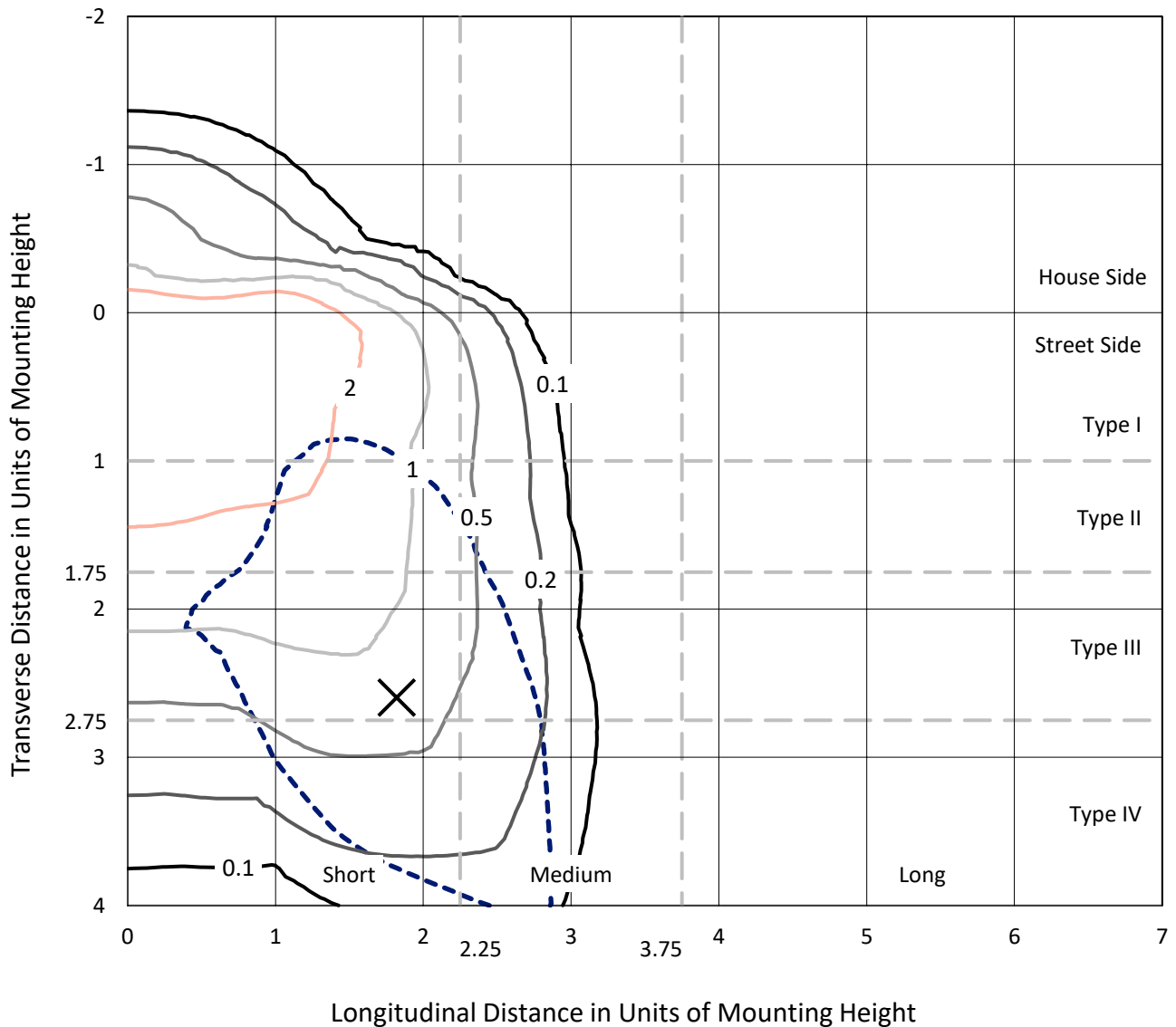
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

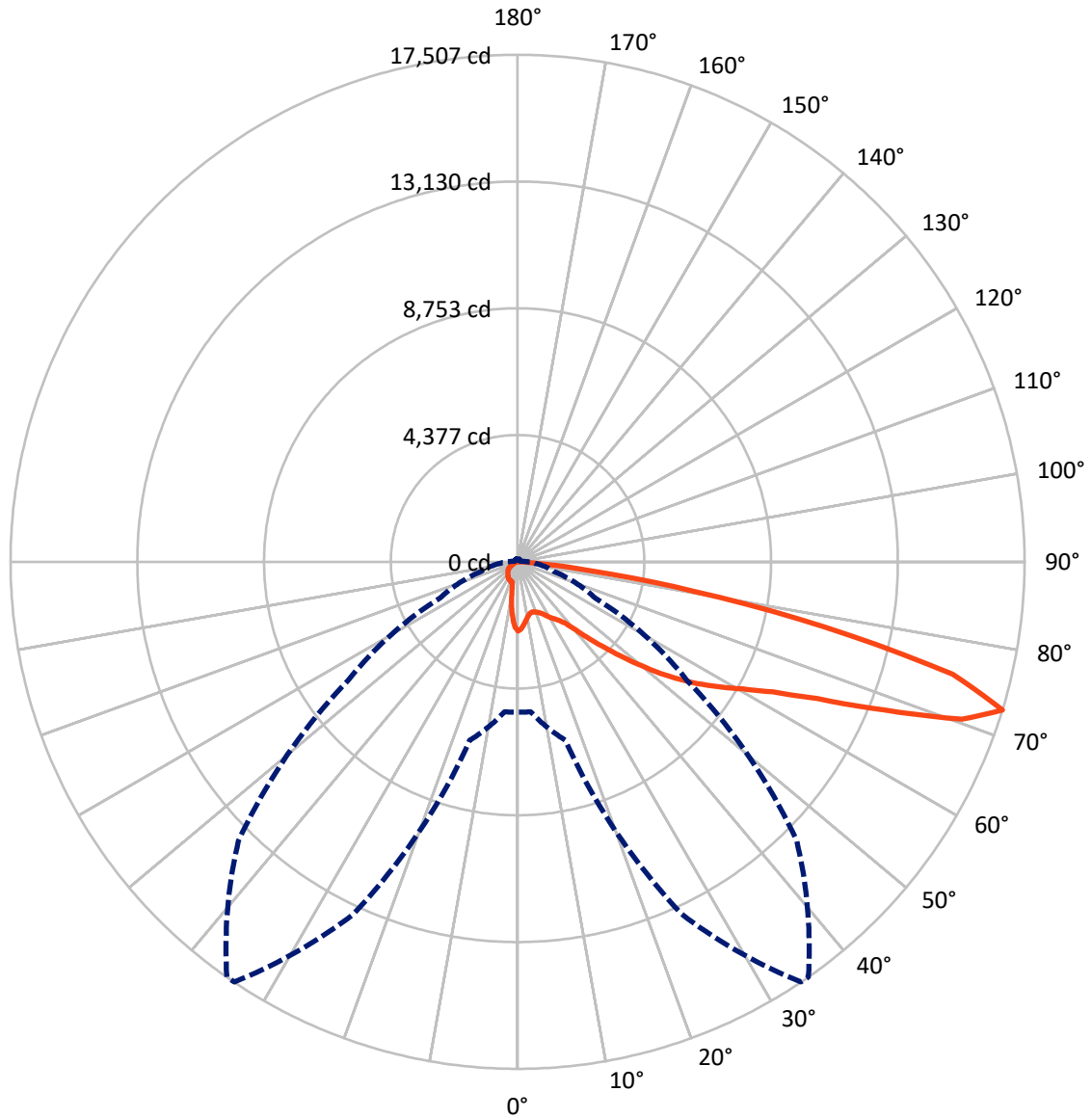
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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
House Side	Lumens	1857.7	0.0	1857.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14648.3	0.0	14648.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	16506.0	0.0	16506.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	1.2
10°-20°	459.9	2.8
20°-30°	747.1	4.5
30°-40°	1246.5	7.6
40°-50°	2358.3	14.3
50°-60°	3747.4	22.7
60°-70°	4635.8	28.1
70°-80°	2881.6	17.5
80°-90°	232.9	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°	16506.0	100.0
0°-180°	16506.0	100.0

Coefficient of Utilization



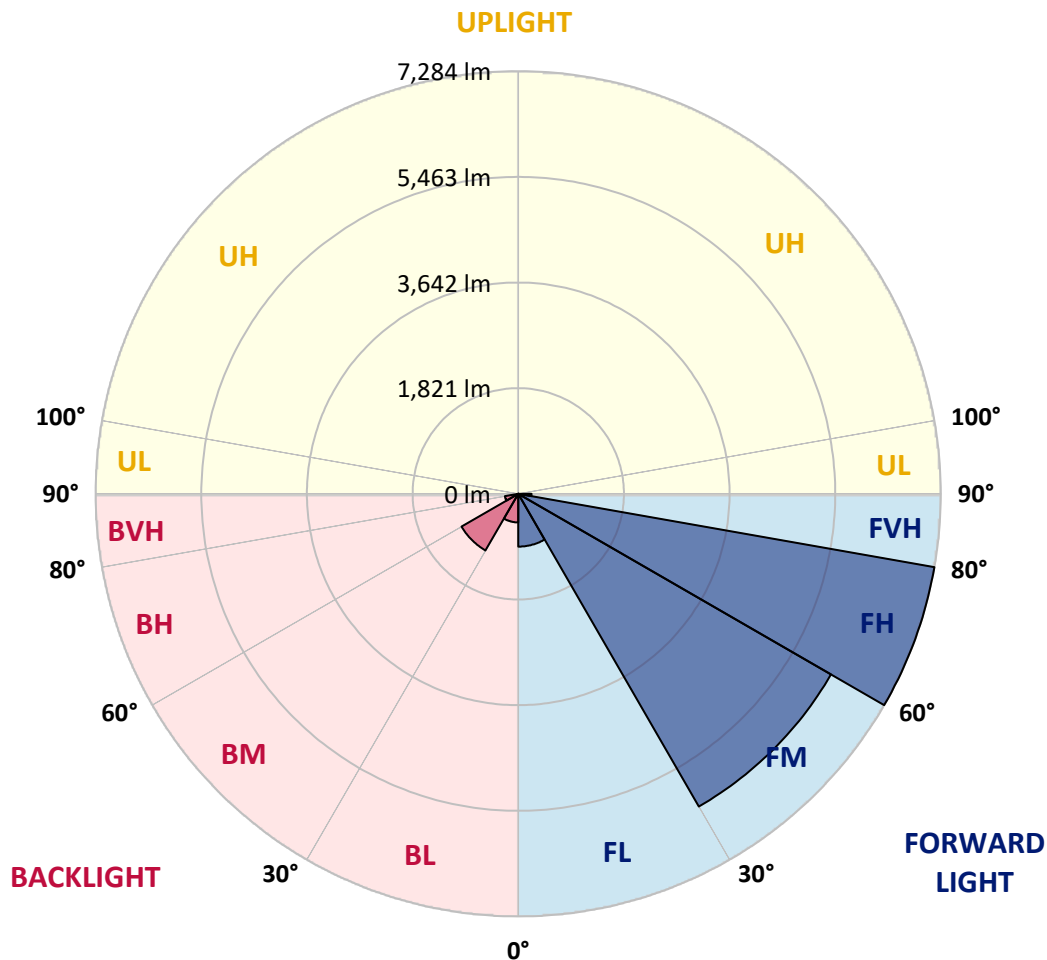
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	909.9	5.5			
FM (30°-60°)	6224.4	37.7			
FH (60°-80°)	7284.3	44.1			G3/7500
FVH (80°-90°)	229.7	1.4			G3/500
BL (0°-30°)	493.6	3.0	B1/500		
BM (30°-60°)	1127.8	6.8	B2/2500		
BH (60°-80°)	233.1	1.4	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2392.3	2392.3	2392.3	2392.3	2392.3	2392.3	2392.3	2392.3	2392.3	2392.3
2.5°	2285.8	2305.2	2308.8	2314.9	2314.9	2322.1	2334.2	2351.2	2379.0	2393.5
5°	2106.8	2121.4	2139.5	2154.0	2181.8	2185.5	2232.6	2278.6	2342.7	2391.1
7.5°	1926.6	1943.6	1967.8	2002.8	2039.1	2050.0	2121.4	2198.8	2300.4	2391.1
10°	1799.6	1800.9	1822.6	1857.7	1915.8	1929.1	2016.1	2126.2	2253.2	2376.6
12.5°	1728.3	1736.8	1746.4	1773.0	1828.7	1837.1	1930.3	2059.7	2206.0	2368.1
15°	1728.3	1734.3	1740.4	1753.7	1798.4	1805.7	1887.9	2017.3	2181.8	2371.7
17.5°	1746.4	1756.1	1751.3	1767.0	1814.2	1819.0	1891.6	2005.3	2180.6	2394.7
20°	1790.0	1797.2	1787.6	1797.2	1844.4	1854.1	1929.1	2028.2	2201.2	2434.6
22.5°	1858.9	1862.5	1839.6	1846.8	1895.2	1907.3	1994.4	2093.5	2250.8	2498.7
25°	1946.0	1953.2	1918.2	1926.6	1972.6	1987.1	2087.5	2191.5	2329.4	2587.0
27.5°	2046.4	2050.0	2019.8	2018.6	2077.8	2098.4	2200.0	2312.4	2434.6	2698.3
30°	2161.3	2172.2	2143.1	2138.3	2213.3	2230.2	2330.6	2461.2	2589.4	2865.2
32.5°	2252.0	2260.4	2243.5	2255.6	2331.8	2345.1	2489.0	2671.7	2832.5	3102.2
35°	2382.6	2387.4	2348.7	2370.5	2457.6	2491.4	2705.5	2966.8	3138.5	3399.7
37.5°	2855.5	2855.5	2691.0	2583.4	2666.8	2697.1	3001.8	3338.1	3515.8	3798.9
40°	3509.8	3498.9	3258.2	3038.1	3027.2	3086.5	3423.9	3806.1	4003.2	4277.8
42.5°	4207.6	4190.7	3863.0	3645.3	3609.0	3629.5	3911.3	4383.0	4583.8	4861.9
45°	4826.9	4822.0	4522.1	4229.4	4164.1	4229.4	4519.7	5057.9	5201.8	5494.5
47.5°	5345.7	5345.7	5126.8	4935.7	4901.9	4940.6	5343.3	5806.5	5793.2	6168.1
50°	5943.2	5938.4	5730.3	5648.1	5683.2	5737.6	6291.5	6595.1	6405.2	6829.7
52.5°	6361.7	6390.7	6319.3	6306.0	6485.0	6579.4	7254.2	7366.7	6953.1	7457.4
55°	6693.0	6726.9	6809.1	6902.3	7247.0	7370.3	8186.7	8098.4	7411.4	8001.7
57.5°	7162.3	7113.9	7240.9	7424.8	7982.3	8131.1	9090.2	8789.0	7780.3	8443.1
60°	7732.0	7739.2	7761.0	7993.2	8716.4	8907.5	9980.3	9442.1	8017.4	8714.0
62.5°	8416.5	8427.4	8472.1	8828.9	9702.1	9882.3	10928.5	9976.7	8126.2	8637.8
65°	8369.3	8415.3	8914.8	10135.1	11200.6	11378.4	12035.1	10351.6	7961.7	7941.2
67.5°	7624.3	7699.3	8535.0	11695.3	13459.9	13658.2	13372.8	10425.4	7251.8	6175.4
70°	6647.1	6673.7	7678.7	13098.2	16075.9	16276.6	14570.1	9613.8	5503.0	3444.5
72.5°	5190.9	5197.0	6376.2	13423.6	17495.8	17506.6	13630.4	7136.9	2959.5	1323.1
75°	3708.1	3671.9	4270.5	10886.2	15392.5	15515.9	10218.6	3347.7	1130.8	625.3
77.5°	1988.3	2028.2	2416.5	6456.0	10633.4	10843.8	5575.5	965.1	575.7	425.7
80°	614.4	648.3	990.5	2955.9	6023.0	6150.0	2066.9	429.4	401.5	303.6
82.5°	193.5	200.8	462.0	1242.1	2499.9	2558.0	598.7	243.1	274.5	200.8
85°	55.6	56.8	205.6	463.2	618.0	630.1	168.1	94.3	157.2	124.6
87.5°	6.0	19.4	77.4	77.4	54.4	53.2	18.1	20.6	44.7	15.7
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°
2392.3	0°	2392.3	2392.3	2392.3	2392.3	2392.3	2392.3	2392.3	2392.3	2392.3	2392.3
2403.2	2.5°	2397.1	2398.3	2382.6	2356.0	2327.0	2302.8	2272.5	2248.3	2231.4	2226.6
2424.9	5°	2414.0	2405.6	2360.8	2279.8	2183.0	2099.6	2006.5	1932.7	1884.3	1863.7
2447.9	7.5°	2439.4	2415.3	2317.3	2157.6	1972.6	1808.1	1641.2	1511.8	1429.6	1388.4
2469.7	10°	2461.2	2412.8	2244.7	1981.1	1698.1	1448.9	1224.0	1067.9	980.9	939.7
2495.1	12.5°	2481.8	2411.6	2150.4	1771.8	1388.4	1083.7	874.4	797.0	772.8	764.4
2536.2	15°	2520.5	2415.3	2031.9	1532.4	1080.0	818.8	742.6	741.4	746.2	743.8
2599.1	17.5°	2573.7	2418.9	1897.6	1278.4	833.3	722.0	718.4	729.3	736.5	732.9
2677.7	20°	2642.6	2433.4	1754.9	1026.8	716.0	697.8	706.3	716.0	722.0	716.0
2782.9	22.5°	2739.4	2458.8	1598.9	824.8	678.5	683.3	690.6	701.5	707.5	699.1
2917.2	25°	2857.9	2498.7	1445.3	717.2	660.4	666.4	677.3	689.4	696.6	688.2
3086.5	27.5°	3011.5	2562.8	1303.8	693.0	642.2	645.8	661.6	679.7	689.4	678.5
3327.2	30°	3234.0	2668.0	1181.6	703.9	631.3	622.9	644.6	670.0	680.9	671.2
3654.9	32.5°	3529.1	2816.8	1106.6	720.8	626.5	596.3	616.8	649.5	667.6	661.6
4083.1	35°	3916.2	3043.0	1077.6	740.2	622.9	568.4	583.0	618.0	649.5	655.5
4622.5	37.5°	4385.4	3357.4	1086.1	748.6	612.0	545.5	552.7	583.0	624.1	643.4
5229.6	40°	4918.8	3723.9	1134.5	740.2	599.9	526.1	527.3	550.3	586.6	615.6
5882.7	42.5°	5469.1	4152.0	1224.0	708.7	589.0	509.2	505.5	521.3	545.5	566.0
6534.6	45°	5992.8	4592.2	1312.2	665.2	575.7	492.2	483.8	489.8	494.7	503.1
7169.6	47.5°	6449.9	4901.9	1286.8	625.3	557.6	472.9	458.4	456.0	441.4	440.2
7736.8	50°	6765.6	4969.6	1142.9	585.4	530.9	451.1	428.1	413.6	388.2	376.1
8161.3	52.5°	6866.0	4702.3	933.7	545.5	487.4	422.1	389.4	366.5	335.0	324.1
8405.6	55°	6733.0	4178.6	746.2	497.1	426.9	383.4	347.1	316.9	291.5	278.2
8432.2	57.5°	6407.6	3512.2	590.2	440.2	362.8	339.9	303.6	273.3	251.6	238.3
8137.1	60°	5868.2	2789.0	466.8	372.5	309.6	292.7	255.2	235.8	216.5	200.8
7375.2	62.5°	5049.4	1990.7	366.5	295.1	258.8	239.5	217.7	203.2	180.2	158.4
6004.9	65°	3940.4	1217.9	283.0	216.5	208.0	198.3	185.0	171.7	143.9	122.2
3917.4	67.5°	2485.4	576.9	202.0	163.3	164.5	159.6	153.6	142.7	122.2	102.8
1754.9	70°	1094.5	279.4	133.0	124.6	122.2	122.2	127.0	123.4	104.0	85.9
609.6	72.5°	372.5	150.0	99.2	94.3	88.3	87.1	106.4	102.8	83.5	66.5
303.6	75°	194.7	100.4	72.6	67.7	53.2	64.1	84.7	79.8	59.3	43.5
200.8	77.5°	127.0	71.4	49.6	43.5	30.2	42.3	62.9	55.6	35.1	21.8
131.8	80°	79.8	47.2	29.0	20.6	14.5	23.0	33.9	24.2	13.3	4.8
77.4	82.5°	42.3	24.2	10.9	7.3	6.0	7.3	8.5	6.0	2.4	0.0
39.9	85°	16.9	8.5	3.6	2.4	1.2	0.0	2.4	1.2	0.0	0.0
7.3	87.5°	6.0	1.2	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°
2392.3
2235.0
1871.0
1394.5
940.9
761.9
742.6
731.7
714.8
697.8
687.0
678.5
670.0
661.6
655.5
648.3
625.3
574.5
508.0
439.0
377.3
322.9
278.2
235.8
197.1
154.8
118.5
100.4
82.2
62.9
39.9
19.4
3.6
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