

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: P848007

Luminaire Tested: **GLAN-SB4B-840-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-840-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15740 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

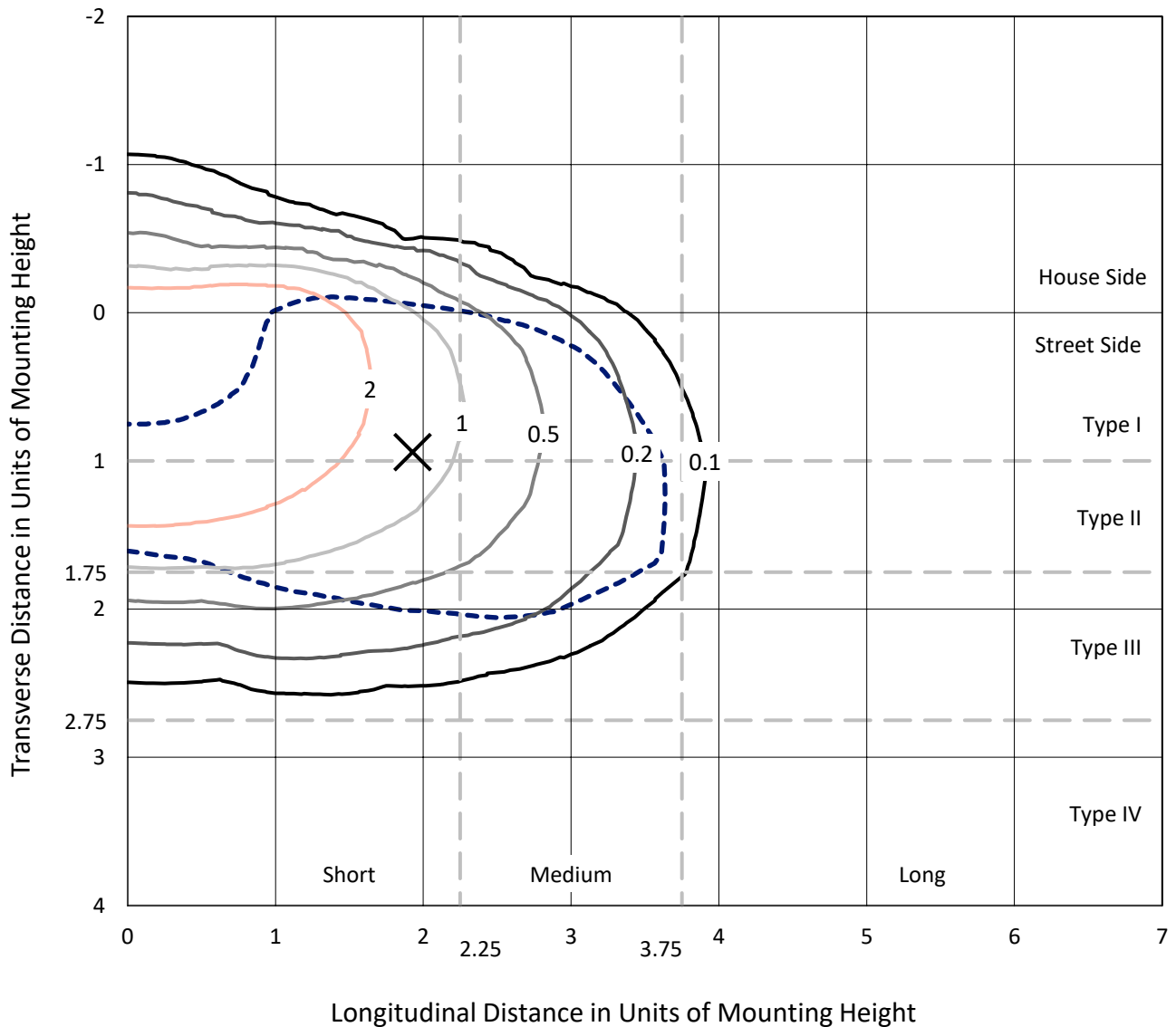
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

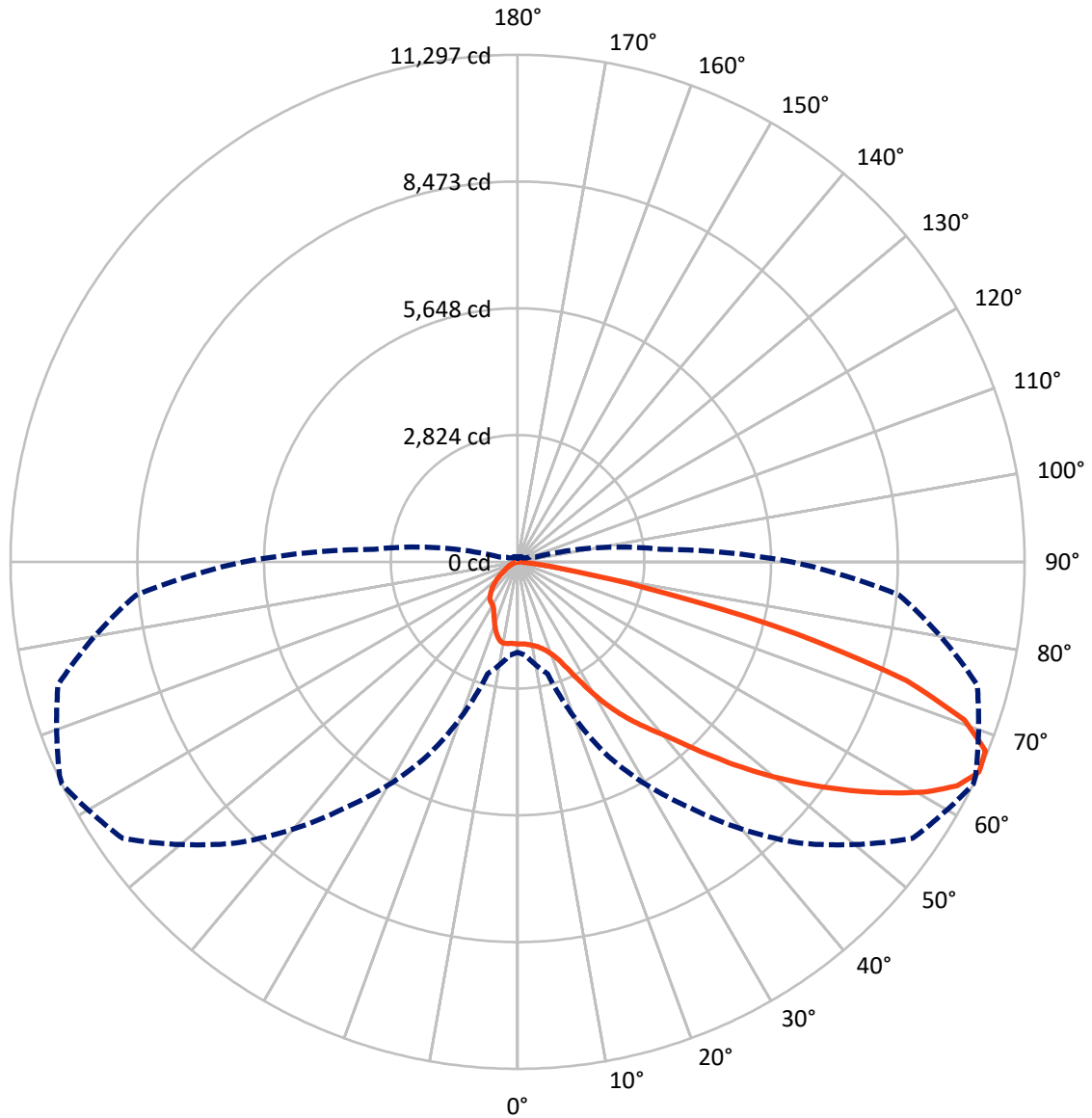
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2104.9	0.0	2104.9
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	13635.1	0.0	13635.1
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	15740.0	0.0	15740.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.9	1.1
10°-20°	458.1	2.9
20°-30°	868.1	5.5
30°-40°	1756.6	11.2
40°-50°	2992.4	19.0
50°-60°	4069.4	25.9
60°-70°	3821.4	24.3
70°-80°	1531.0	9.7
80°-90°	74.2	0.5
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°	15740.0	100.0
0°-180°	15740.0	100.0

**Coefficient of Utilization**



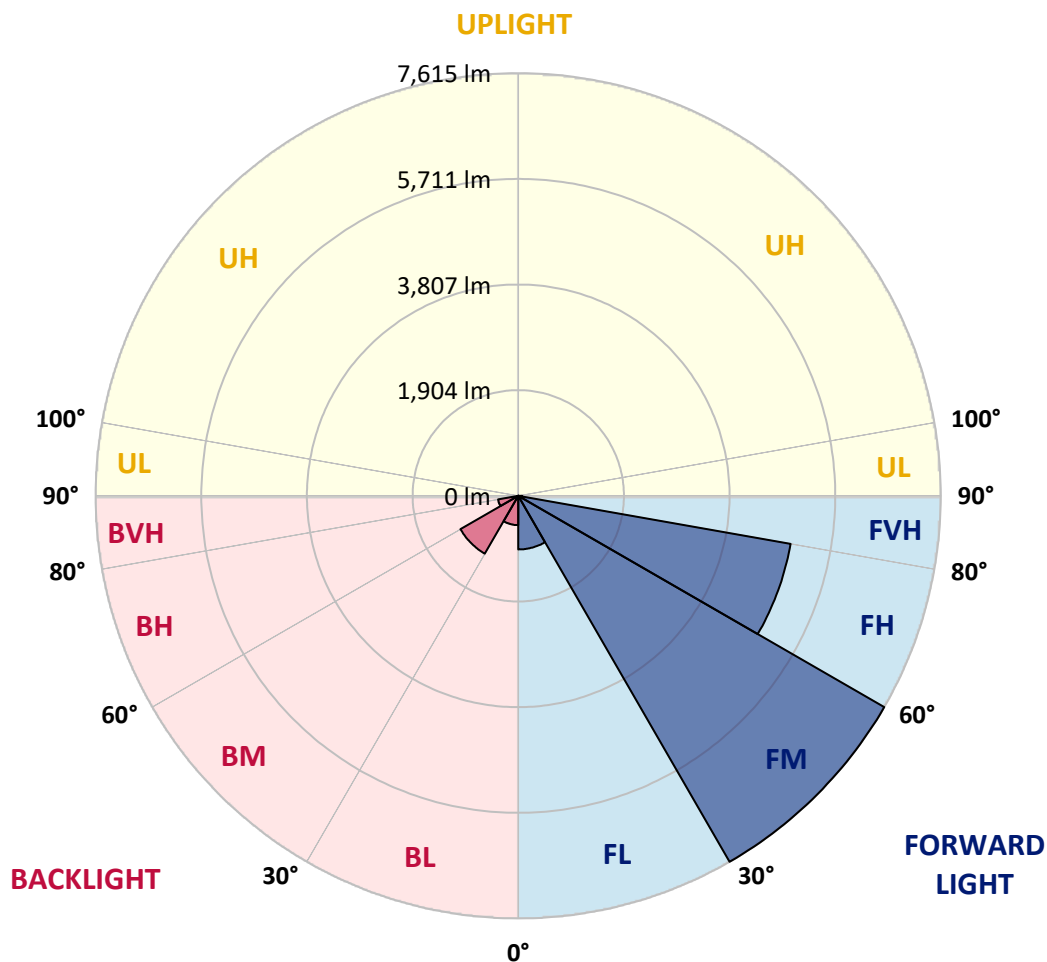
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.6	6.1			
FM (30°-60°)	7615.0	48.4			
FH (60°-80°)	4982.9	31.7			G2/5000
FVH (80°-90°)	70.6	0.4			G1/100
BL (0°-30°)	528.5	3.4	B2/1000		
BM (30°-60°)	1203.4	7.6	B2/2500		
BH (60°-80°)	369.5	2.3	B1/500		G1/500
BVH (80°-90°)	3.6	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-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1830.7	1830.7	1830.7	1830.7	1830.7	1830.7	1830.7	1830.7	1830.7	1830.7
2.5°	1824.4	1837.1	1833.9	1830.7	1829.7	1831.8	1832.8	1831.8	1831.8	1831.8
5°	1789.6	1800.1	1800.1	1807.5	1818.1	1830.7	1840.2	1842.3	1844.4	1847.6
7.5°	1723.1	1731.5	1737.9	1762.1	1788.5	1822.3	1850.8	1865.5	1867.7	1879.3
10°	1677.7	1688.3	1698.8	1724.2	1762.1	1812.8	1861.3	1897.2	1902.5	1929.9
12.5°	1675.6	1686.2	1699.9	1727.3	1771.6	1825.4	1884.5	1936.2	1945.7	1985.8
15°	1697.8	1710.4	1723.1	1756.9	1804.3	1869.8	1933.1	1997.4	2006.9	2063.9
17.5°	1743.1	1760.0	1769.5	1803.3	1853.9	1926.7	2010.1	2084.0	2092.4	2158.9
20°	1832.8	1852.9	1856.0	1883.5	1933.1	2011.2	2110.3	2202.1	2212.7	2288.7
22.5°	2018.5	2047.0	2021.7	2035.4	2079.7	2157.8	2265.5	2381.5	2396.3	2482.8
25°	2345.6	2385.7	2320.3	2297.1	2316.1	2397.4	2532.4	2679.1	2696.0	2765.6
27.5°	2988.3	2936.5	2837.4	2740.3	2683.3	2729.7	2881.7	3063.2	3084.3	3151.8
30°	3694.2	3648.8	3514.8	3299.5	3164.5	3157.1	3297.4	3500.0	3524.3	3588.6
32.5°	4401.1	4357.9	4212.3	3947.4	3713.2	3597.1	3694.2	3918.9	3931.6	3972.7
35°	5096.5	5052.2	4906.6	4635.4	4347.3	4083.5	4064.5	4317.8	4322.0	4365.3
37.5°	5796.1	5759.1	5604.0	5338.1	5054.3	4690.2	4514.0	4695.5	4700.8	4743.0
40°	6295.2	6311.0	6204.4	5998.7	5754.9	5357.1	5018.4	5097.5	5065.9	5136.6
42.5°	6723.6	6755.2	6662.4	6559.0	6417.6	6067.2	5643.1	5629.3	5578.7	5616.7
45°	7093.9	7120.3	7036.9	7012.7	7009.5	6763.7	6325.8	6243.5	6172.8	6165.4
47.5°	7230.0	7280.7	7316.6	7397.8	7556.1	7452.7	7031.7	6904.0	6824.9	6766.8
50°	7281.8	7335.6	7458.0	7694.3	8068.9	8113.2	7734.4	7590.9	7493.8	7388.3
52.5°	7212.1	7308.1	7472.7	7870.5	8414.0	8642.9	8408.7	8283.1	8172.3	8000.3
55°	6801.6	6897.7	7234.3	7868.4	8585.9	9014.3	9046.0	8990.1	8865.6	8594.4
57.5°	5936.4	6078.9	6611.7	7600.4	8582.8	9334.1	9670.7	9710.8	9571.5	9183.2
60°	4737.7	4930.8	5580.8	7006.3	8317.9	9507.1	10218.3	10418.8	10271.1	9763.5
62.5°	3305.9	3529.6	4144.7	6075.7	7712.3	9382.6	10618.2	10988.6	10876.7	10282.7
65°	2016.4	2088.2	2584.1	4781.0	6682.4	8861.3	10741.7	11296.7	11259.8	10600.3
67.5°	1343.2	1403.4	1545.8	3278.4	5187.2	7819.9	10446.2	11242.9	11253.4	10548.6
70°	809.3	861.0	953.9	1906.7	3361.8	6189.6	9531.4	10557.0	10618.2	9857.4
72.5°	333.4	368.3	452.7	864.2	1741.0	3928.4	7589.9	9063.9	9206.4	8288.4
75°	188.9	206.8	265.9	433.7	755.5	1830.7	4597.4	6434.4	6644.4	5712.7
77.5°	125.6	134.0	172.0	280.7	425.2	624.7	1964.7	3352.3	3753.3	3120.1
80°	84.4	91.8	118.2	187.8	276.5	268.0	625.7	1241.9	1527.9	1072.1
82.5°	57.0	58.0	84.4	123.5	175.2	129.8	184.7	386.2	485.4	310.2
85°	32.7	31.7	62.3	71.8	78.1	53.8	55.9	116.1	151.9	130.8
87.5°	4.2	6.3	24.3	19.0	10.6	11.6	11.6	20.0	29.5	31.7
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°
1830.7	0°	1830.7	1830.7	1830.7	1830.7	1830.7	1830.7	1830.7	1830.7	1830.7	1830.7
1832.8	2.5°	1832.8	1831.8	1828.6	1825.4	1818.1	1813.8	1816.0	1813.8	1812.8	1813.8
1846.6	5°	1846.6	1843.4	1834.9	1824.4	1809.6	1791.7	1780.1	1763.2	1747.4	1737.9
1883.5	7.5°	1883.5	1880.3	1868.7	1839.2	1791.7	1716.8	1648.2	1588.0	1542.7	1516.3
1942.6	10°	1942.6	1937.3	1919.4	1853.9	1729.4	1565.9	1429.8	1316.9	1243.0	1208.2
2012.2	12.5°	2012.2	2005.9	1974.2	1840.2	1611.2	1355.9	1168.1	1042.5	973.9	943.3
2092.4	15°	2094.5	2086.1	2023.8	1774.8	1439.3	1123.8	951.8	857.9	813.5	786.1
2194.8	17.5°	2196.9	2182.1	2060.8	1676.7	1252.5	946.5	818.8	748.1	709.1	682.7
2328.8	20°	2329.8	2305.6	2090.3	1559.5	1080.5	834.6	729.1	670.0	640.5	617.3
2518.7	22.5°	2515.5	2480.7	2126.2	1432.9	959.2	757.6	662.6	619.4	595.1	568.7
2783.5	25°	2745.6	2704.4	2170.5	1315.8	875.8	691.1	614.1	578.2	549.7	519.1
3130.7	27.5°	3067.4	2993.5	2223.2	1219.8	804.0	634.2	569.8	529.7	497.0	471.7
3524.3	30°	3426.1	3304.8	2269.7	1161.7	738.6	581.4	511.8	471.7	441.1	423.1
3877.8	32.5°	3765.9	3601.3	2300.3	1136.4	679.5	521.3	448.4	405.2	382.0	376.7
4223.9	35°	4086.7	3869.3	2297.1	1112.2	626.8	461.1	386.2	341.9	323.9	327.1
4596.3	37.5°	4456.0	4155.3	2275.0	1074.2	583.5	406.2	332.4	293.3	277.5	278.6
5049.0	40°	4885.5	4485.5	2261.2	1002.4	536.0	355.6	288.1	256.4	244.8	240.6
5525.9	42.5°	5343.4	4805.3	2263.3	921.2	476.9	310.2	257.5	231.1	220.5	217.4
6056.7	45°	5803.5	5110.2	2266.5	836.8	414.7	275.4	235.3	213.1	206.8	202.6
6594.8	47.5°	6236.1	5369.8	2207.4	746.0	353.5	249.0	217.4	202.6	197.3	192.0
7135.1	50°	6639.1	5542.8	2065.0	640.5	304.9	227.9	203.6	193.1	187.8	182.5
7624.7	52.5°	6952.5	5570.3	1829.7	531.8	271.2	212.1	195.2	185.7	179.4	174.1
8020.4	55°	7091.8	5398.3	1495.2	430.5	244.8	198.4	186.8	177.3	169.9	164.6
8331.6	57.5°	7055.9	5036.3	1166.0	346.1	219.5	184.7	176.2	169.9	161.4	153.0
8583.8	60°	6879.7	4552.0	879.0	288.1	196.3	169.9	164.6	159.3	147.7	135.1
8680.9	62.5°	6574.8	3943.2	626.8	238.5	170.9	153.0	150.9	146.7	129.8	106.6
8537.4	65°	6108.4	3203.5	422.1	198.4	146.7	134.0	135.1	127.7	105.5	79.1
8011.9	67.5°	5426.8	2342.5	270.1	162.5	122.4	111.8	112.9	108.7	89.7	67.5
7015.8	70°	4558.3	1551.1	176.2	123.5	98.1	86.5	92.9	93.9	76.0	54.9
5384.5	72.5°	3341.7	915.9	123.5	91.8	71.8	60.1	76.0	78.1	61.2	41.2
3239.4	75°	1904.6	434.7	92.9	66.5	44.3	42.2	59.1	59.1	42.2	27.4
1402.3	77.5°	799.8	181.5	65.4	43.3	25.3	24.3	40.1	36.9	21.1	12.7
341.9	80°	231.1	81.2	34.8	21.1	10.6	9.5	15.8	11.6	5.3	2.1
129.8	82.5°	90.7	35.9	13.7	8.4	4.2	4.2	2.1	0.0	0.0	0.0
73.9	85°	53.8	14.8	6.3	3.2	1.1	0.0	0.0	0.0	0.0	0.0
15.8	87.5°	13.7	3.2	2.1	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°
1830.7
1818.1
1740.0
1517.3
1205.0
940.2
787.2
680.6
613.1
564.5
516.0
466.4
420.0
379.9
327.1
282.8
239.5
216.3
202.6
192.0
182.5
173.0
163.6
151.9
133.0
104.5
77.0
64.4
52.8
39.0
25.3
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2.1
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