

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: P847306

Luminaire Tested: **GLAN-SB3B-830-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-830-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14374 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

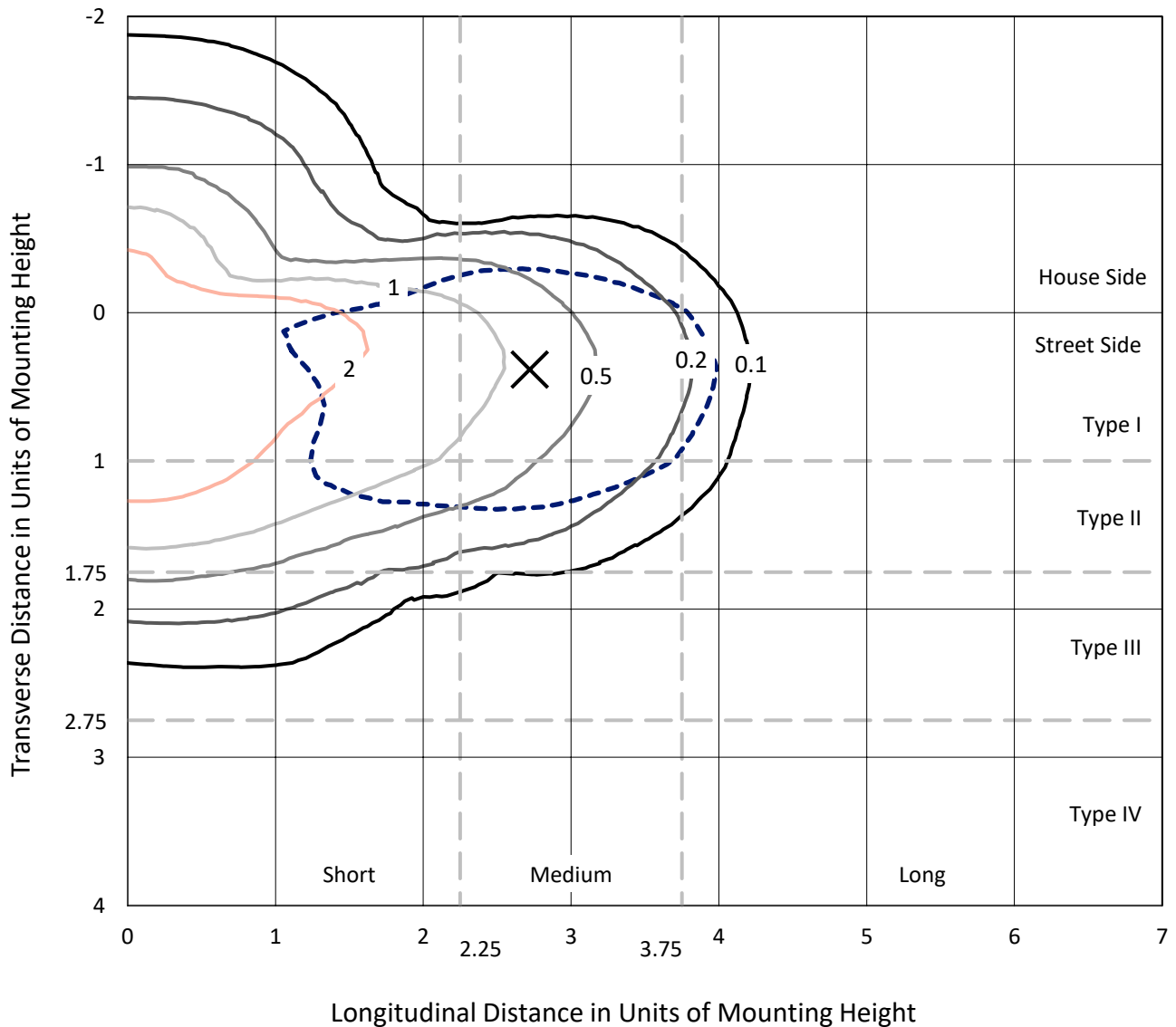
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

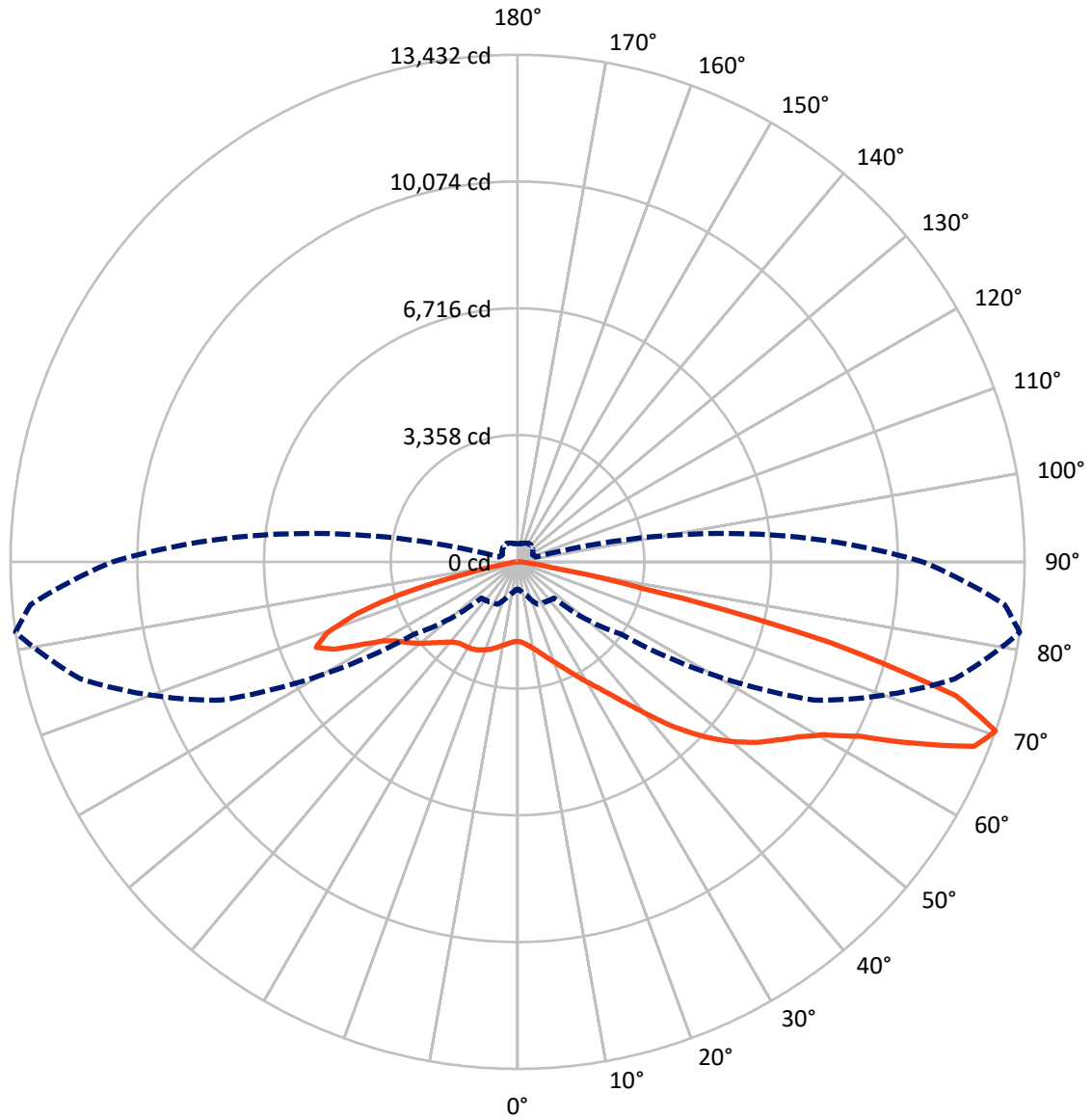
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3543.5	0.0	3543.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	10830.5	0.0	10830.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	14374.0	0.0	14374.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.0	1.4
10°-20°	571.7	4.0
20°-30°	956.3	6.7
30°-40°	1494.1	10.4
40°-50°	2379.5	16.6
50°-60°	3311.3	23.0
60°-70°	3463.8	24.1
70°-80°	1810.4	12.6
80°-90°	188.0	1.3
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°	14374.0	100.0
0°-180°	14374.0	100.0

Coefficient of Utilization



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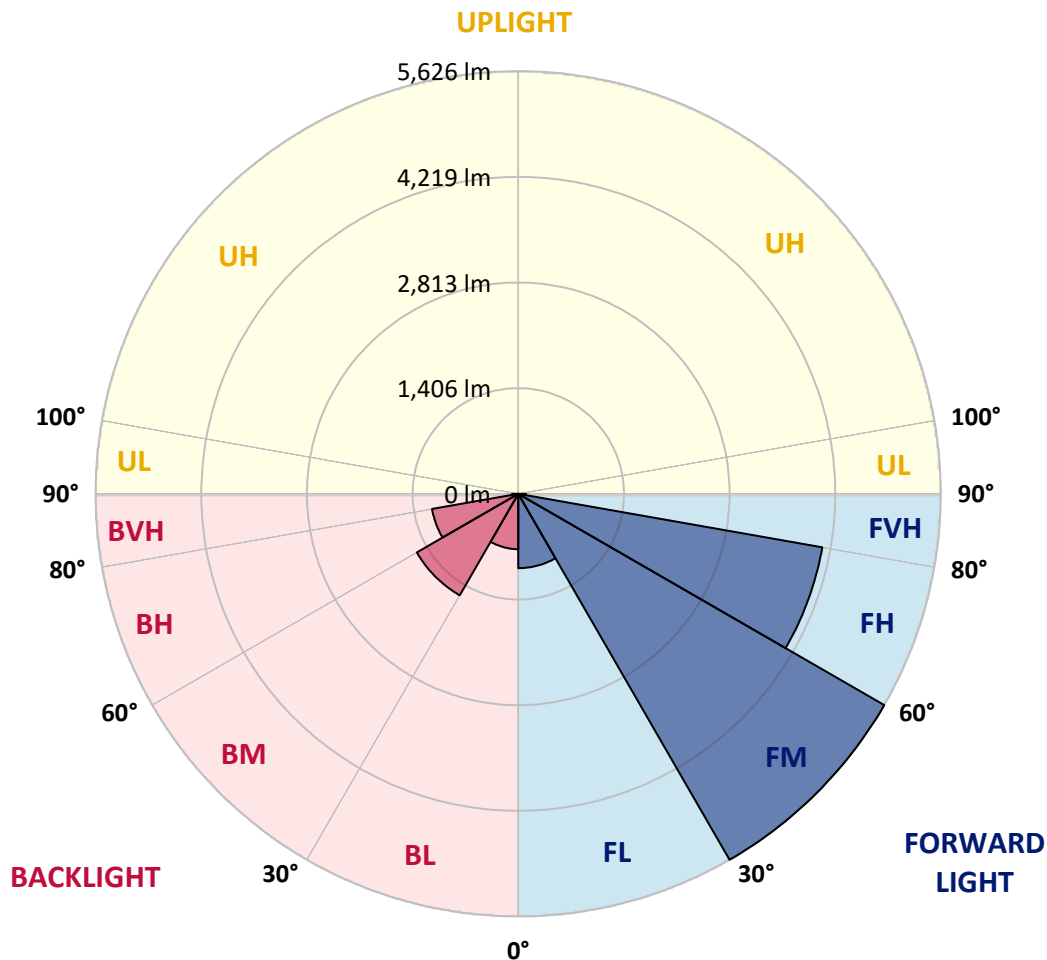
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	989.8	6.9			
FM (30°-60°)	5625.8	39.1			
FH (60°-80°)	4109.6	28.6			G2/5000
FVH (80°-90°)	105.2	0.7			G2/225
BL (0°-30°)	737.2	5.1	B2/1000		
BM (30°-60°)	1559.0	10.8	B2/2500		
BH (60°-80°)	1164.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	82.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4
2.5°	2157.7	2170.0	2166.1	2162.3	2162.3	2157.0	2156.2	2148.6	2142.5	2132.6
5°	2185.2	2198.2	2196.6	2199.7	2209.6	2211.9	2214.2	2209.6	2197.4	2185.2
7.5°	2160.8	2175.3	2179.9	2198.2	2228.7	2256.1	2276.7	2285.1	2273.7	2256.1
10°	2078.4	2094.4	2110.5	2153.9	2208.1	2272.9	2327.8	2360.6	2358.3	2341.6
12.5°	1911.4	1928.2	1962.5	2047.2	2146.3	2260.7	2362.9	2431.6	2455.2	2443.0
15°	1777.9	1792.4	1818.3	1905.3	2034.2	2208.1	2375.9	2509.4	2569.6	2562.8
17.5°	1774.1	1780.2	1796.2	1837.4	1936.6	2125.7	2362.2	2585.6	2700.8	2700.0
20°	1841.2	1843.5	1852.7	1861.0	1917.5	2063.2	2327.1	2648.9	2848.0	2848.0
22.5°	1934.3	1932.7	1941.9	1934.3	1961.7	2057.8	2305.0	2704.6	3012.0	3024.2
25°	2073.8	2066.2	2063.9	2046.4	2051.7	2107.4	2329.4	2767.9	3206.5	3231.7
27.5°	2260.0	2247.7	2239.4	2198.9	2185.2	2209.6	2404.1	2844.2	3423.1	3466.6
30°	2502.5	2480.4	2468.2	2398.0	2348.4	2352.2	2517.0	2945.6	3649.6	3719.8
32.5°	2833.5	2799.2	2766.4	2651.2	2560.5	2530.7	2662.7	3086.0	3895.2	4007.4
35°	3204.2	3176.7	3141.7	2963.9	2824.4	2755.7	2859.5	3282.0	4182.8	4360.5
37.5°	3561.2	3537.5	3554.3	3314.8	3134.8	3034.9	3117.3	3545.1	4537.4	4799.8
40°	3930.3	3912.0	3914.3	3685.5	3475.7	3363.6	3430.0	3875.4	4944.0	5322.3
42.5°	4331.5	4317.8	4272.0	4069.1	3833.5	3729.0	3790.0	4256.8	5380.3	5917.2
45°	4780.8	4772.4	4729.7	4497.0	4227.0	4109.6	4191.9	4677.8	5818.8	6477.1
47.5°	5169.0	5175.8	5170.5	4974.5	4694.6	4522.2	4620.6	5117.1	6226.9	7003.3
50°	5355.9	5391.7	5444.3	5383.3	5209.4	5034.0	5053.1	5541.2	6615.9	7496.8
52.5°	5258.2	5326.1	5469.5	5567.1	5634.2	5597.6	5546.5	5962.2	6982.0	7942.3
55°	4894.4	4989.7	5227.7	5463.4	5805.9	6072.1	6139.2	6429.0	7338.9	8334.3
57.5°	4231.6	4386.4	4600.0	5076.7	5653.3	6301.6	6830.2	7076.6	7717.2	8753.0
60°	3095.1	3302.6	3568.0	4277.4	5119.4	6178.8	7418.3	8071.2	8255.0	9295.3
62.5°	1980.8	2108.9	2353.0	3021.2	3989.0	5549.6	7598.3	9314.4	9166.4	10184.7
65°	1356.1	1438.5	1662.0	2037.2	2578.8	4130.9	7116.2	10246.4	10614.1	11594.2
67.5°	985.4	1048.0	1238.7	1567.4	1680.3	2444.5	5522.1	10203.7	12021.3	13046.4
70°	718.5	762.7	922.9	1238.7	1292.8	1359.9	3345.3	8673.7	11990.8	13432.3
72.5°	532.4	562.9	670.4	961.0	1046.5	918.3	1655.9	6303.9	10303.6	12149.4
75°	385.2	408.1	487.4	735.3	837.5	699.4	826.0	3684.0	7187.2	8546.3
77.5°	294.4	312.0	363.8	538.5	670.4	524.8	512.6	1694.8	3407.9	3424.6
80°	236.4	247.9	276.1	379.1	514.1	392.8	334.1	684.2	1077.0	911.5
82.5°	173.9	193.0	233.4	266.2	367.6	270.8	203.6	345.5	409.6	352.4
85°	99.2	112.1	141.1	190.7	234.9	165.5	116.7	153.3	190.7	156.4
87.5°	35.1	45.8	49.6	74.7	102.2	68.6	45.0	44.2	62.5	46.5
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°
2107.4	0°	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4
2130.3	2.5°	2122.7	2118.8	2103.6	2083.0	2061.6	2041.1	2034.2	2019.7	2009.8
2179.9	5°	2165.4	2153.2	2117.3	2071.6	2023.5	1971.6	1935.0	1901.5	1877.1
2247.7	7.5°	2226.4	2205.0	2143.3	2063.2	1977.7	1891.6	1827.5	1778.7	1745.9
2327.1	10°	2297.3	2264.5	2170.0	2050.2	1918.3	1794.7	1719.2	1677.2	1656.6
2417.8	12.5°	2378.9	2332.4	2197.4	2020.5	1827.5	1686.4	1634.5	1622.3	1623.1
2532.2	15°	2479.6	2414.8	2219.5	1955.6	1709.3	1603.2	1594.1	1613.9	1634.5
2661.9	17.5°	2593.3	2501.7	2223.3	1848.8	1593.3	1549.9	1578.8	1621.6	1652.8
2806.8	20°	2715.3	2590.2	2195.9	1697.8	1498.0	1506.4	1558.2	1613.2	1647.5
2972.3	22.5°	2854.9	2684.8	2130.3	1539.2	1420.2	1459.1	1520.1	1573.5	1609.3
3166.8	25°	3014.3	2790.8	2027.3	1405.7	1353.1	1405.7	1466.7	1511.0	1539.9
3384.2	27.5°	3191.2	2901.4	1890.0	1299.7	1294.3	1350.8	1401.1	1435.4	1450.7
3615.3	30°	3369.0	3002.1	1723.8	1219.6	1243.2	1296.6	1332.5	1347.7	1352.3
3873.1	32.5°	3561.2	3089.0	1549.1	1153.2	1194.4	1244.0	1265.4	1272.2	1250.9
4185.8	35°	3793.8	3182.1	1378.2	1100.6	1146.4	1189.1	1196.0	1189.9	1164.7
4577.9	37.5°	4081.3	3298.0	1241.7	1063.2	1101.4	1129.6	1121.2	1119.7	1122.0
5049.2	40°	4433.7	3449.0	1141.8	1034.3	1064.8	1070.9	1047.2	1060.2	1071.6
5566.4	42.5°	4825.0	3631.3	1078.5	1014.4	1034.3	1019.8	983.2	997.6	996.1
6085.8	45°	5223.9	3829.6	1056.4	999.9	1006.0	977.1	936.6	940.4	908.4
6583.8	47.5°	5620.5	4042.4	1070.1	987.7	970.9	938.2	906.9	890.1	842.8
7061.3	50°	6009.5	4265.9	1120.4	963.3	922.9	903.8	880.9	851.2	800.9
7512.8	52.5°	6370.3	4490.9	1176.9	922.9	862.6	874.1	859.6	825.3	775.7
7940.0	55°	6712.0	4715.9	1199.0	867.2	806.2	848.1	839.8	776.5	717.0
8386.9	57.5°	7084.2	4986.7	1174.6	796.3	760.4	818.4	786.4	716.2	681.9
8968.9	60°	7599.8	5411.5	1122.0	708.6	717.0	774.2	719.2	690.3	652.9
9841.4	62.5°	8456.3	6204.0	1037.3	621.6	665.9	708.6	687.2	658.2	620.1
11333.3	65°	9722.5	7305.4	877.9	553.7	608.7	644.5	652.9	623.9	584.2
12640.6	67.5°	10790.3	7996.4	664.3	497.3	549.9	592.6	616.3	588.1	546.1
12946.5	70°	10731.5	7494.5	507.2	441.6	498.1	541.5	572.0	549.9	504.9
11759.7	72.5°	9531.8	6269.6	410.3	385.2	445.4	488.1	524.8	508.0	462.2
8615.0	75°	7002.6	4450.5	328.0	328.0	379.8	432.5	472.9	462.2	420.3
3616.8	77.5°	2951.7	1867.1	257.0	272.3	315.8	371.4	421.8	425.6	389.0
956.5	80°	784.8	514.8	196.0	214.3	247.9	306.6	366.9	365.3	325.7
355.4	82.5°	299.0	202.9	139.6	151.0	179.2	234.9	290.6	299.8	260.1
139.6	85°	115.2	87.0	86.2	90.8	104.5	155.6	219.7	227.3	196.0
38.9	87.5°	29.7	25.9	32.0	30.5	48.1	83.1	125.8	130.4	119.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
2107.4
2010.5
1863.3
1729.1
1648.2
1625.4
1643.7
1669.6
1669.6
1631.5
1560.5
1467.5
1359.9
1241.0
1136.5
1089.2
1019.8
925.2
847.4
795.5
757.4
735.3
680.4
654.4
623.1
592.6
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518.7
480.5
436.3
396.6
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283.0
225.0
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