

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: P845978

Luminaire Tested: **GLAN-SB1B-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4840 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

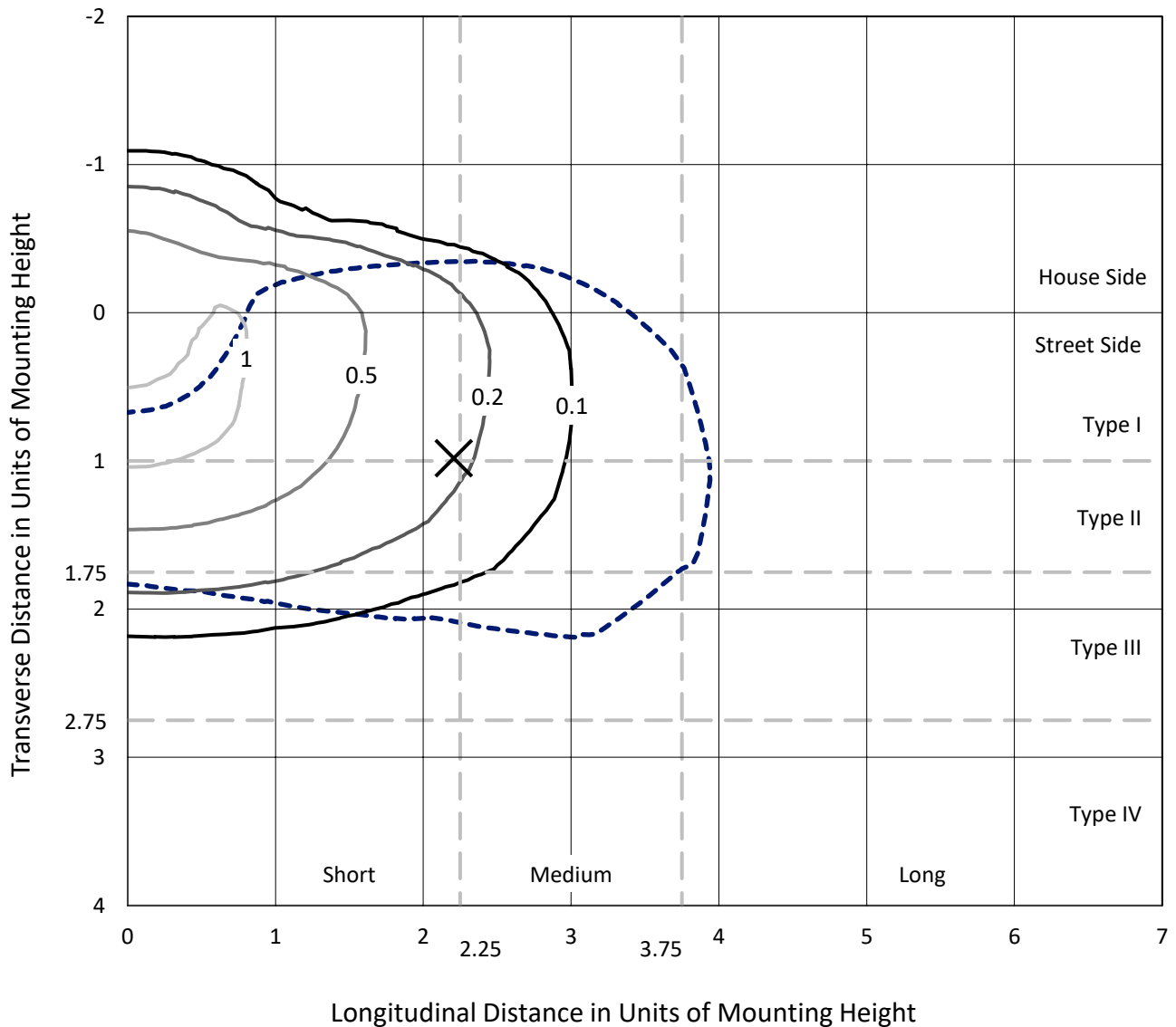
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

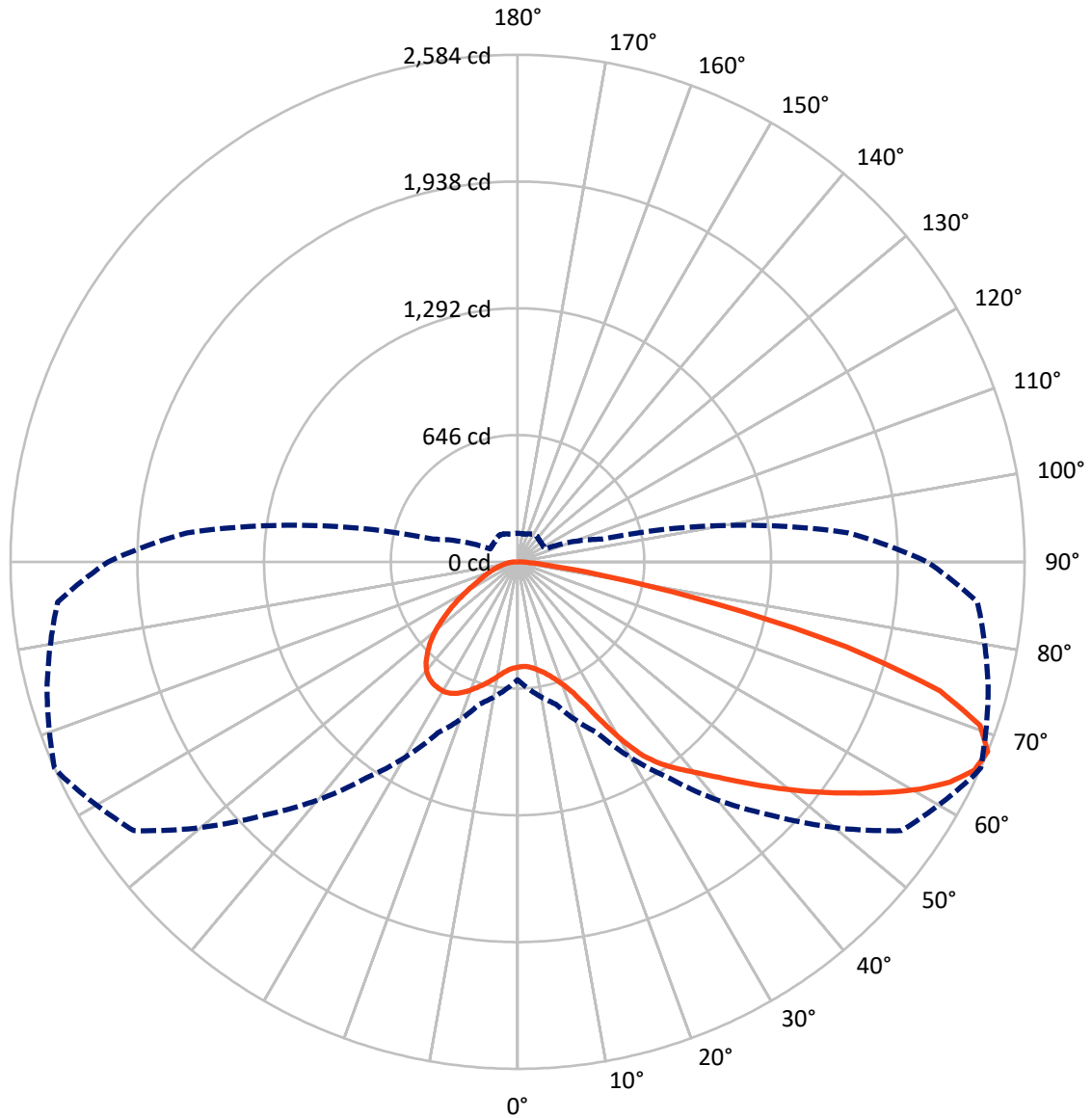
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1203.4	0.0	1203.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3636.5	0.0	3636.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	4840.0	0.0	4840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	1.1
10°-20°	175.8	3.6
20°-30°	338.9	7.0
30°-40°	594.3	12.3
40°-50°	883.5	18.3
50°-60°	1119.9	23.1
60°-70°	1095.8	22.6
70°-80°	522.7	10.8
80°-90°	55.9	1.2
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°	4840.0	100.0
0°-180°	4840.0	100.0

Coefficient of Utilization



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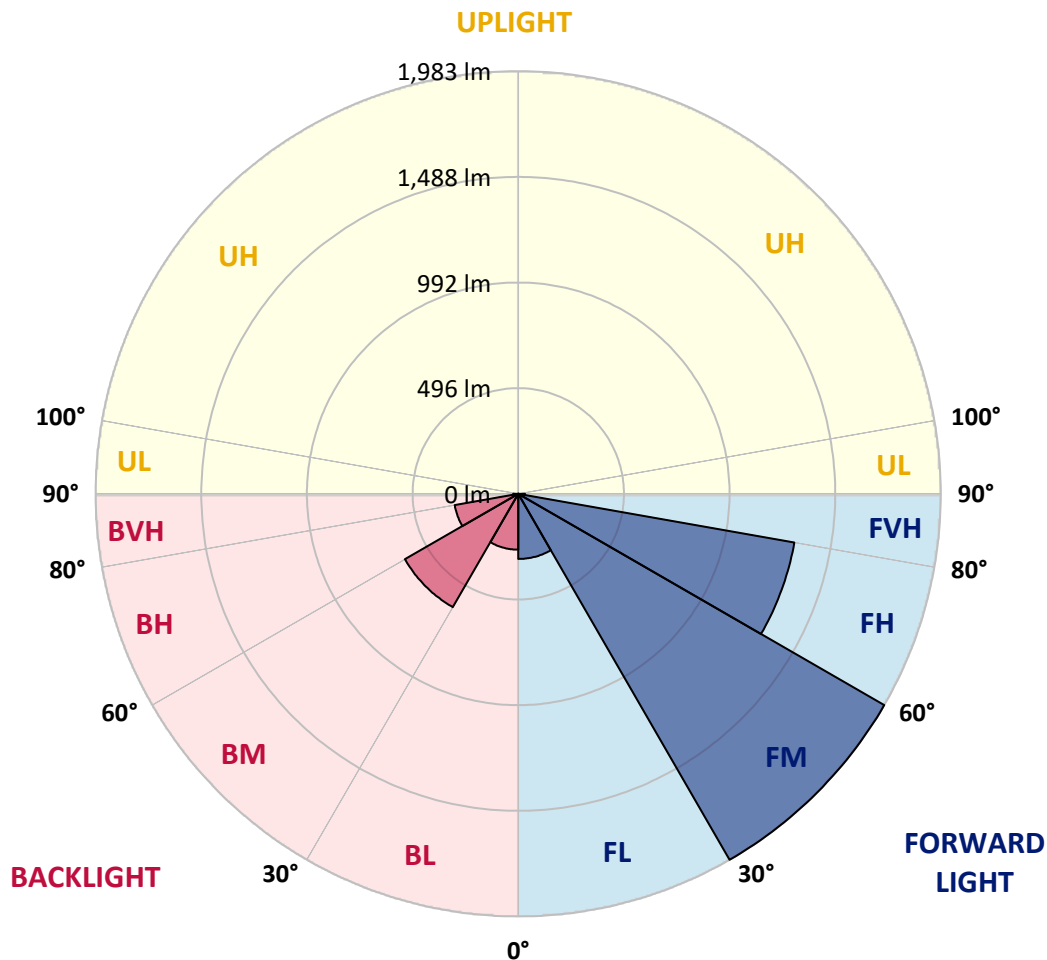
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.8	6.3			
FM (30°-60°)	1983.4	41.0			
FH (60°-80°)	1315.6	27.2			G1/1800
FVH (80°-90°)	31.7	0.7			G1/100
BL (0°-30°)	262.2	5.4	B1/500		
BM (30°-60°)	614.3	12.7	B1/1000		
BH (60°-80°)	302.8	6.3	B1/500		G1/500
BVH (80°-90°)	24.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8
2.5°	531.2	534.3	533.5	532.2	532.0	532.5	533.3	534.0	533.8	535.0
5°	529.7	532.8	532.5	532.5	533.5	535.5	536.8	538.1	536.8	538.3
7.5°	530.7	533.0	534.0	535.0	537.6	541.4	544.4	547.2	545.7	547.5
10°	543.7	545.5	546.5	546.5	548.3	552.6	555.6	560.7	559.5	562.2
12.5°	567.3	569.1	569.1	568.1	569.4	572.2	573.2	578.8	576.5	581.1
15°	596.3	599.9	597.1	595.3	595.8	598.6	598.4	602.7	600.4	604.2
17.5°	628.4	632.9	628.4	628.1	627.1	630.1	630.4	634.2	630.1	632.9
20°	666.3	672.6	668.8	670.1	667.8	669.1	670.3	675.9	669.6	671.6
22.5°	719.7	727.3	723.2	728.1	726.5	725.5	725.3	735.2	725.3	726.0
25°	797.5	806.6	799.5	806.1	806.1	809.4	813.2	826.0	809.4	804.6
27.5°	912.4	921.6	907.6	911.7	910.4	918.5	914.5	946.0	928.2	920.3
30°	1050.8	1067.0	1040.6	1039.6	1038.3	1051.3	1057.1	1078.0	1059.9	1052.0
32.5°	1200.3	1217.3	1185.8	1176.6	1171.8	1179.7	1174.8	1191.6	1179.2	1167.0
35°	1358.5	1375.2	1345.2	1327.4	1308.1	1291.6	1274.3	1278.6	1266.9	1248.3
37.5°	1508.0	1538.7	1507.0	1487.9	1452.3	1420.0	1371.7	1351.6	1340.7	1323.6
40°	1660.3	1677.8	1653.7	1637.4	1598.8	1548.2	1470.9	1428.4	1413.6	1397.1
42.5°	1772.4	1789.2	1776.3	1765.1	1734.8	1676.1	1576.1	1523.0	1501.6	1483.1
45°	1861.5	1873.9	1865.8	1869.8	1856.9	1799.9	1685.2	1624.4	1602.3	1579.7
47.5°	1897.3	1910.5	1923.5	1947.7	1969.8	1927.8	1802.5	1734.3	1710.9	1687.8
50°	1893.2	1906.7	1944.4	1995.7	2064.4	2050.4	1926.0	1851.3	1829.7	1803.2
52.5°	1860.7	1875.9	1924.3	2009.7	2119.1	2142.2	2051.9	1972.1	1951.7	1920.2
55°	1775.2	1784.4	1856.9	1977.9	2132.0	2206.3	2175.3	2100.7	2080.4	2036.4
57.5°	1616.8	1630.0	1735.6	1892.2	2099.5	2249.8	2283.6	2236.0	2216.4	2153.1
60°	1410.1	1431.2	1552.0	1748.3	2016.6	2249.5	2382.0	2369.0	2352.8	2268.1
62.5°	1176.1	1200.5	1316.7	1544.9	1871.6	2185.7	2443.5	2480.4	2472.0	2374.1
65°	903.3	920.0	1035.7	1281.7	1646.1	2048.6	2450.7	2556.4	2558.0	2454.7
67.5°	601.4	649.7	750.2	961.7	1344.0	1824.6	2388.1	2568.9	2583.7	2482.4
70°	293.5	357.0	455.4	625.1	961.7	1481.0	2224.6	2466.7	2499.5	2401.6
72.5°	121.8	142.4	196.1	308.5	552.1	999.4	1896.0	2189.5	2250.3	2128.0
75°	82.1	89.0	112.1	158.2	251.5	492.8	1367.4	1632.6	1730.5	1607.2
77.5°	63.3	67.6	81.6	110.6	149.5	186.4	731.9	983.9	1034.5	957.7
80°	49.8	53.1	61.0	80.6	106.0	99.7	249.5	445.8	475.0	398.5
82.5°	43.2	44.5	43.7	54.7	70.4	58.2	81.9	164.5	181.6	131.7
85°	31.3	34.8	36.4	33.8	37.4	29.5	33.6	58.2	64.1	57.2
87.5°	12.7	18.8	23.1	21.9	13.7	8.4	10.4	17.0	19.6	21.4
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°
536.8	0°	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8
537.1	2.5°	537.3	539.1	540.4	541.9	542.9	544.4	547.5	549.3	549.5	550.8
541.1	5°	542.2	544.7	547.5	551.6	556.1	560.0	565.8	569.9	571.4	572.7
551.1	7.5°	552.6	556.1	561.2	568.4	575.0	580.1	587.2	592.0	596.8	598.6
566.8	10°	568.1	573.2	580.6	590.2	597.3	604.0	611.3	615.4	620.2	622.3
585.6	12.5°	587.4	592.8	602.4	615.9	622.5	627.1	629.6	628.6	629.6	631.4
608.3	15°	609.5	615.4	626.3	640.8	645.4	641.3	635.7	630.7	629.9	630.4
635.7	17.5°	635.7	640.1	652.8	665.0	661.7	644.9	632.7	624.6	620.5	619.2
670.8	20°	672.4	672.4	682.8	690.4	668.3	639.8	620.7	607.5	599.1	595.6
718.6	22.5°	716.9	712.8	719.4	714.1	667.0	625.6	599.1	576.2	563.5	558.4
785.5	25°	773.3	768.5	766.7	733.6	657.9	602.9	560.0	532.2	521.1	518.3
881.9	27.5°	858.5	846.3	823.2	744.3	641.1	567.3	514.2	488.5	482.1	482.4
1005.7	30°	971.9	947.5	890.8	746.1	613.6	517.0	467.4	449.1	446.0	447.3
1109.8	32.5°	1076.9	1053.8	960.0	738.0	571.4	467.7	425.4	413.2	408.7	410.2
1189.1	35°	1159.3	1153.0	1024.1	726.5	519.5	421.4	387.8	377.4	368.5	366.4
1263.9	37.5°	1237.2	1234.6	1072.1	710.5	468.2	388.6	357.5	343.8	330.8	323.7
1346.5	40°	1322.6	1320.1	1103.6	685.8	422.6	360.1	330.3	312.3	296.3	283.3
1440.1	42.5°	1418.7	1403.7	1118.7	650.5	384.0	335.9	308.2	283.8	262.7	250.7
1545.9	45°	1523.7	1489.9	1118.4	605.5	351.4	313.8	284.6	250.0	230.4	219.2
1654.5	47.5°	1635.1	1572.3	1104.7	555.6	319.9	289.4	247.9	221.5	208.5	201.7
1772.4	50°	1750.1	1649.4	1081.3	498.4	287.6	261.7	225.1	207.0	197.1	190.7
1889.4	52.5°	1858.1	1719.3	1053.0	433.6	254.8	234.7	214.9	200.9	190.5	183.3
2002.8	55°	1958.6	1779.6	1013.1	367.2	228.1	216.7	210.0	198.4	186.4	178.0
2118.0	57.5°	2047.8	1818.7	944.2	304.9	209.0	204.2	205.0	194.0	180.3	173.2
2231.5	60°	2122.1	1847.5	842.2	247.2	193.5	192.0	197.1	185.9	169.9	161.7
2327.3	62.5°	2166.6	1847.0	717.1	202.4	180.3	180.8	186.7	175.7	159.4	151.8
2377.4	65°	2162.8	1801.7	579.8	173.2	167.6	168.1	175.7	164.5	150.8	146.2
2352.2	67.5°	2086.2	1691.3	444.8	154.1	153.6	155.9	164.8	156.9	145.5	144.9
2202.2	70°	1879.0	1462.2	320.4	138.8	139.1	142.4	154.1	152.1	142.7	143.7
1851.5	72.5°	1506.7	1114.8	215.1	122.8	123.1	128.4	143.9	148.3	139.9	153.3
1313.7	75°	1003.5	695.2	138.3	105.8	106.0	112.9	135.0	140.9	132.2	152.8
683.5	77.5°	482.1	312.5	100.2	89.0	89.0	95.4	116.7	126.1	112.7	118.8
219.7	80°	166.6	117.5	78.8	71.7	70.2	74.5	98.4	109.3	97.1	89.5
71.7	82.5°	65.6	61.0	63.3	55.7	50.6	53.4	76.5	90.3	71.5	64.6
40.4	85°	37.6	39.7	44.8	36.9	29.2	32.8	56.2	64.8	53.9	47.6
13.2	87.5°	10.2	14.0	20.6	19.1	13.2	14.0	26.7	35.9	31.0	23.9
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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536.8
550.6
572.4
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594.8
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483.2
451.6
412.2
368.0
324.0
284.6
251.5
218.7
200.1
188.4
180.3
174.7
168.6
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