

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: McGRAW-EDISON

Report Number: P948375

Luminaire Tested: **GALN-SB3B-940-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-940-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10193 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

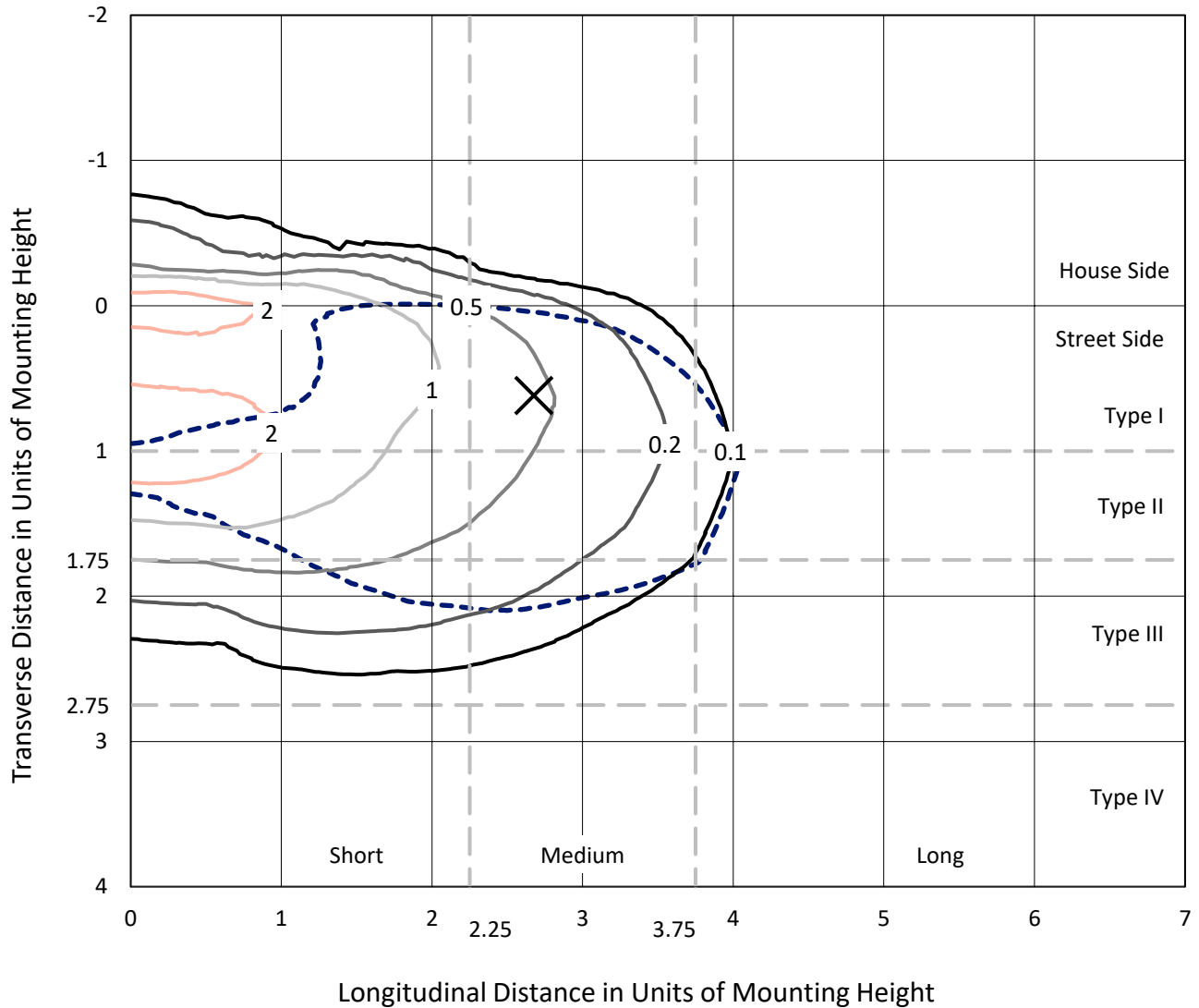
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

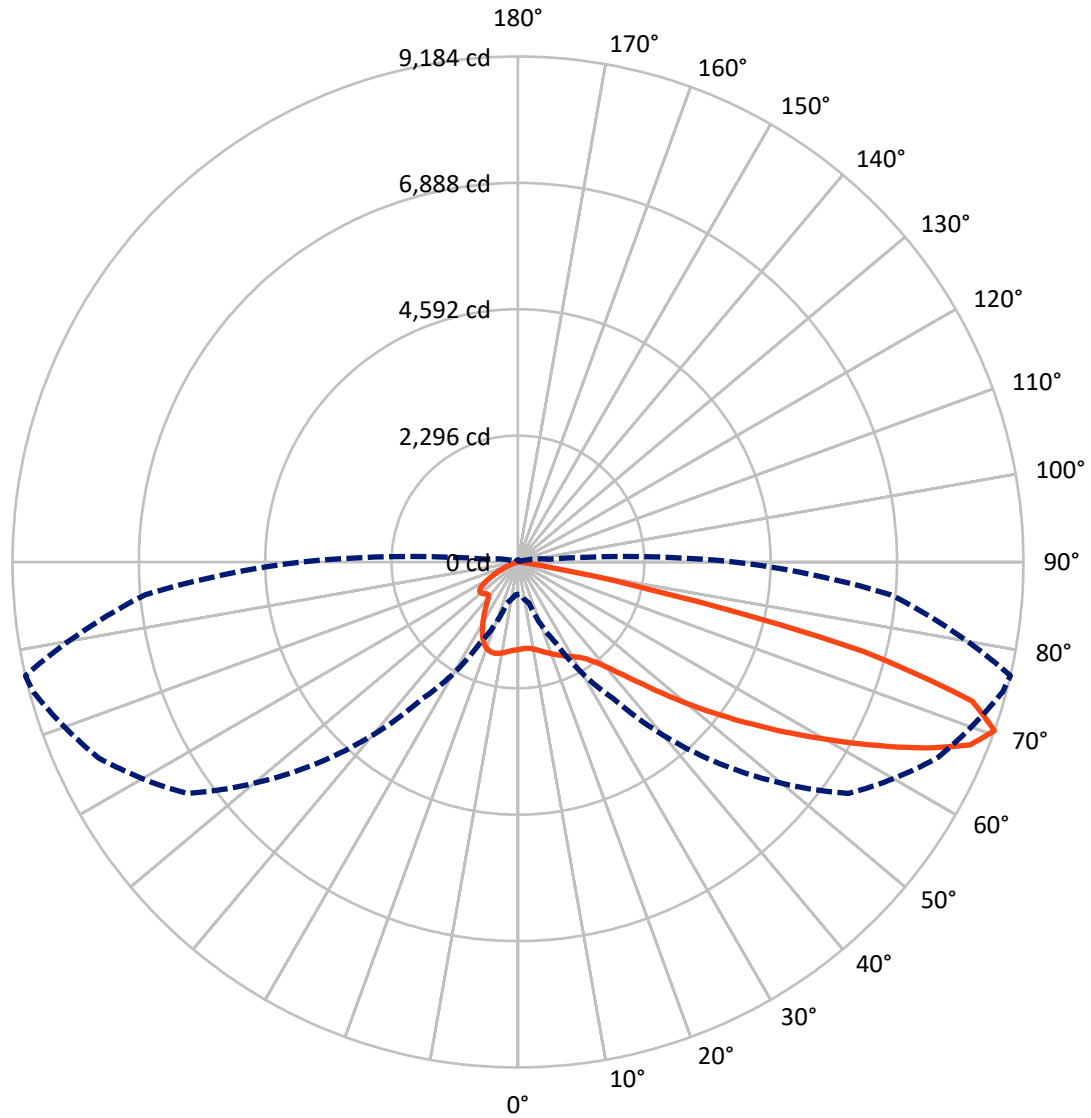
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1074.5	0.0	1074.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	9118.5	0.0	9118.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	10193.0	0.0	10193.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	1.3
10°-20°	325.3	3.2
20°-30°	503.1	4.9
30°-40°	912.9	9.0
40°-50°	1723.3	16.9
50°-60°	2490.0	24.4
60°-70°	2650.6	26.0
70°-80°	1404.6	13.8
80°-90°	46.1	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°	10193.0	100.0
0°-180°	10193.0	100.0

Coefficient of Utilization



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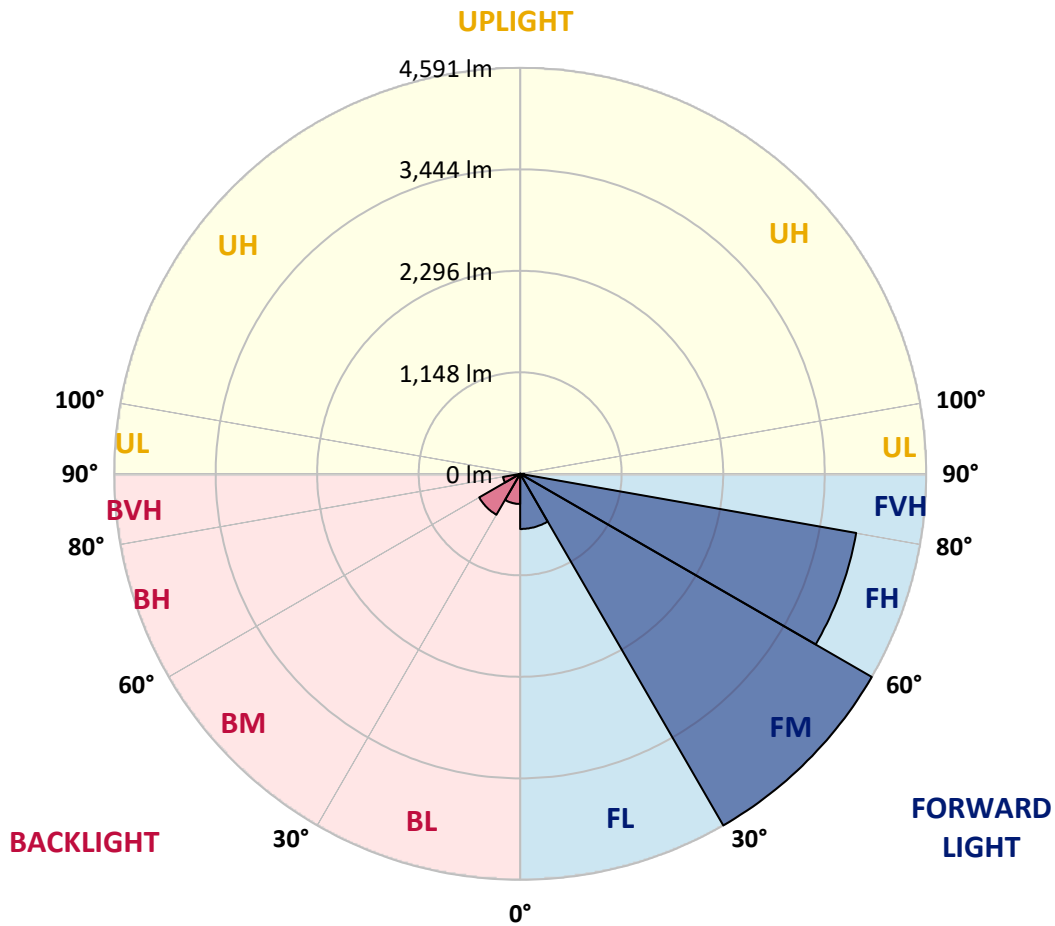
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	624.1	6.1			
FM (30°-60°)	4591.4	45.0			
FH (60°-80°)	3858.2	37.9			G2/5000
FVH (80°-90°)	44.9	0.4			G1/100
BL (0°-30°)	341.4	3.3	B1/500		
BM (30°-60°)	534.9	5.2	B1/1000		
BH (60°-80°)	197.0	1.9	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1589.9	1589.9	1589.9	1589.9	1589.9	1589.9	1589.9	1589.9	1589.9	1589.9
2.5°	1492.7	1506.2	1504.3	1513.3	1516.5	1529.4	1542.3	1559.7	1579.0	1578.3
5°	1408.4	1421.9	1425.1	1437.4	1452.8	1472.8	1499.2	1533.9	1570.0	1575.8
7.5°	1308.6	1322.8	1331.2	1355.6	1383.9	1425.1	1468.3	1519.1	1579.0	1587.3
10°	1208.9	1221.7	1232.7	1267.4	1312.5	1373.6	1443.8	1517.2	1597.6	1609.9
12.5°	1147.1	1159.3	1171.5	1201.8	1257.8	1332.4	1427.7	1526.2	1628.5	1645.9
15°	1125.2	1136.1	1145.8	1172.8	1224.9	1309.9	1424.5	1544.9	1667.8	1691.0
17.5°	1128.4	1134.2	1140.6	1161.2	1212.1	1299.6	1430.3	1577.1	1714.2	1734.8
20°	1147.1	1150.3	1150.9	1165.1	1210.1	1298.3	1441.9	1607.9	1757.9	1785.6
22.5°	1170.9	1172.2	1170.9	1180.5	1222.4	1308.0	1457.3	1645.3	1806.8	1832.6
25°	1282.2	1257.8	1226.9	1208.2	1243.0	1326.7	1480.5	1695.5	1860.3	1885.4
27.5°	1627.9	1557.7	1447.0	1322.8	1285.5	1353.7	1512.7	1746.3	1914.3	1936.9
30°	2189.2	2097.2	1909.2	1629.2	1421.9	1410.3	1554.5	1797.2	1971.6	1996.1
32.5°	2751.8	2729.3	2512.3	2124.8	1729.0	1536.5	1624.0	1866.1	2047.6	2066.9
35°	3320.8	3275.1	3097.5	2714.5	2202.1	1793.3	1739.9	1956.2	2147.4	2169.2
37.5°	3756.6	3728.9	3618.8	3303.4	2763.4	2189.8	1938.2	2095.9	2292.2	2316.7
40°	4141.5	4128.7	4091.3	3883.4	3391.0	2708.7	2246.5	2312.1	2493.0	2522.0
42.5°	4444.1	4474.3	4495.6	4437.6	4037.9	3300.9	2661.0	2616.0	2773.0	2802.6
45°	4753.7	4764.0	4849.6	4933.3	4680.3	3920.1	3128.4	2971.9	3121.3	3158.0
47.5°	4952.6	4993.8	5144.4	5291.8	5220.4	4534.2	3630.4	3392.3	3524.9	3593.7
50°	4967.4	5045.3	5252.5	5509.4	5613.7	5118.7	4176.3	3871.2	4012.1	4088.1
52.5°	4720.9	4841.9	5163.1	5539.0	5826.1	5613.7	4740.8	4350.1	4531.0	4630.1
55°	3619.5	3777.8	4826.4	5378.1	5834.4	5988.9	5290.5	4848.9	5109.0	5221.0
57.5°	3153.5	3233.3	3794.6	5098.7	5679.3	6140.2	5787.5	5324.0	5737.9	5876.9
60°	2623.7	2728.6	3182.4	4641.7	5468.8	6155.0	6226.5	5936.8	6419.6	6576.0
62.5°	1783.0	1897.0	2348.2	3856.4	5181.1	6147.9	6586.3	6567.6	7177.2	7345.2
65°	1104.6	1176.0	1473.4	3149.0	4778.8	6155.6	6962.8	7333.6	7976.7	8147.2
67.5°	872.8	905.7	1060.8	2417.7	4085.5	5981.8	7338.8	8053.9	8729.1	8864.3
70°	586.4	606.4	771.8	1620.8	3039.5	5179.8	7331.7	8415.7	9116.6	9184.2
72.5°	309.0	324.4	451.2	750.5	1835.8	3681.9	6180.1	7983.1	8731.1	8629.4
75°	154.5	180.2	303.8	381.1	784.0	2053.4	3837.7	6294.0	6872.1	6478.1
77.5°	117.2	141.6	251.0	251.0	272.9	691.3	1625.3	3432.8	3166.3	2636.6
80°	74.7	96.6	219.5	189.9	113.9	175.7	423.6	961.7	672.7	511.7
82.5°	43.8	63.1	182.8	125.5	63.7	65.0	119.7	204.7	174.4	135.8
85°	17.4	41.2	125.5	49.6	25.1	16.1	36.0	43.8	36.0	27.0
87.5°	0.0	9.7	21.9	0.0	1.9	1.3	2.6	3.2	3.2	2.6
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°
1589.9	0°	1589.9	1589.9	1589.9	1589.9	1589.9	1589.9	1589.9	1589.9	1589.9	1589.9
1591.2	2.5°	1597.0	1598.3	1602.2	1602.8	1593.8	1582.2	1577.7	1575.8	1568.0	1567.4
1601.5	5°	1616.3	1622.1	1616.3	1599.6	1559.7	1503.7	1461.2	1426.4	1394.9	1385.2
1636.9	7.5°	1654.9	1660.7	1643.4	1577.7	1477.3	1365.9	1265.5	1194.7	1131.0	1107.2
1680.0	10°	1710.3	1718.0	1663.3	1530.7	1353.0	1174.1	1004.2	884.4	791.1	753.1
1738.6	12.5°	1779.8	1783.0	1674.2	1459.3	1191.5	935.9	695.2	567.1	484.1	453.2
1809.4	15°	1856.4	1851.9	1675.5	1362.1	971.3	661.7	453.8	372.7	339.2	328.9
1880.2	17.5°	1936.9	1918.2	1649.8	1221.7	729.9	452.5	336.7	317.3	311.5	309.0
1950.4	20°	2016.0	1974.2	1602.8	1038.3	524.0	337.9	305.8	300.0	296.7	295.5
2021.2	22.5°	2088.1	2016.7	1522.3	825.2	380.4	298.7	289.0	283.9	278.1	275.5
2090.1	25°	2158.3	2041.2	1409.0	626.3	304.5	279.4	271.6	262.0	254.3	251.0
2164.1	27.5°	2226.5	2056.6	1267.4	463.5	271.6	261.3	247.2	233.7	227.9	226.6
2243.3	30°	2299.3	2061.8	1106.5	345.7	251.7	238.8	218.2	202.8	199.5	200.2
2350.1	32.5°	2388.1	2069.5	944.3	283.2	234.9	211.8	187.3	171.2	168.6	171.2
2505.9	35°	2494.3	2084.9	787.9	260.7	220.1	184.1	157.7	144.2	141.6	143.5
2705.4	37.5°	2638.5	2110.0	641.8	256.2	207.9	160.9	132.6	121.7	121.7	122.3
2950.0	40°	2830.3	2177.0	511.1	253.0	201.5	143.5	112.0	107.5	109.4	110.7
3261.6	42.5°	3064.0	2319.2	422.9	249.1	194.4	135.8	101.7	99.8	103.0	104.3
3634.9	45°	3326.0	2499.5	392.0	242.7	188.0	141.0	97.2	94.6	98.5	99.1
4053.3	47.5°	3597.0	2675.8	388.1	235.6	181.5	148.7	95.9	90.1	94.6	95.3
4500.1	50°	3871.2	2791.1	392.0	224.6	171.2	148.7	96.6	85.6	89.5	91.4
4963.5	52.5°	4147.3	2843.8	389.4	200.8	153.2	139.7	96.6	81.7	85.6	86.9
5464.3	55°	4415.1	2833.5	350.2	165.4	130.0	123.6	94.0	78.5	81.1	81.7
5937.4	57.5°	4626.9	2690.0	277.4	128.7	105.6	103.0	85.6	74.7	76.6	76.0
6371.3	60°	4737.6	2374.6	198.3	99.1	83.0	81.1	75.3	69.5	70.8	67.6
6738.8	62.5°	4738.9	1957.5	132.6	78.5	66.3	64.4	64.4	62.4	61.2	54.7
7023.3	65°	4637.8	1494.7	88.2	62.4	53.4	50.2	54.1	53.4	48.9	39.9
7110.2	67.5°	4408.7	979.7	66.9	48.9	41.2	39.3	43.1	45.1	41.8	33.5
6793.5	70°	3937.5	570.3	55.4	38.0	30.9	29.0	34.8	38.6	34.8	27.0
5806.8	72.5°	3270.6	307.7	45.1	28.3	21.2	19.3	27.7	31.5	27.7	20.0
3725.7	75°	2122.3	164.8	34.8	18.7	10.9	12.2	20.6	23.2	19.3	12.9
1093.6	77.5°	712.6	72.7	21.9	9.0	5.1	5.1	12.2	14.2	9.0	4.5
198.9	80°	159.0	30.3	9.0	3.9	1.9	1.9	2.6	2.6	1.3	0.0
61.2	82.5°	52.1	12.2	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
15.4	85°	20.0	4.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.1	87.5°	7.7	0.6	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

<u>180°</u>
1589.9
1568.7
1379.4
1097.5
737.0
443.5
328.9
308.3
294.2
274.9
249.8
225.3
200.2
170.6
142.9
121.7
110.7
104.3
99.8
95.9
92.0
86.9
81.7
76.0
66.9
52.8
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