

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: P948732

Luminaire Tested: **GALN-SB3C-940-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948732
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-SB3C-940-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA 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: 13556 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

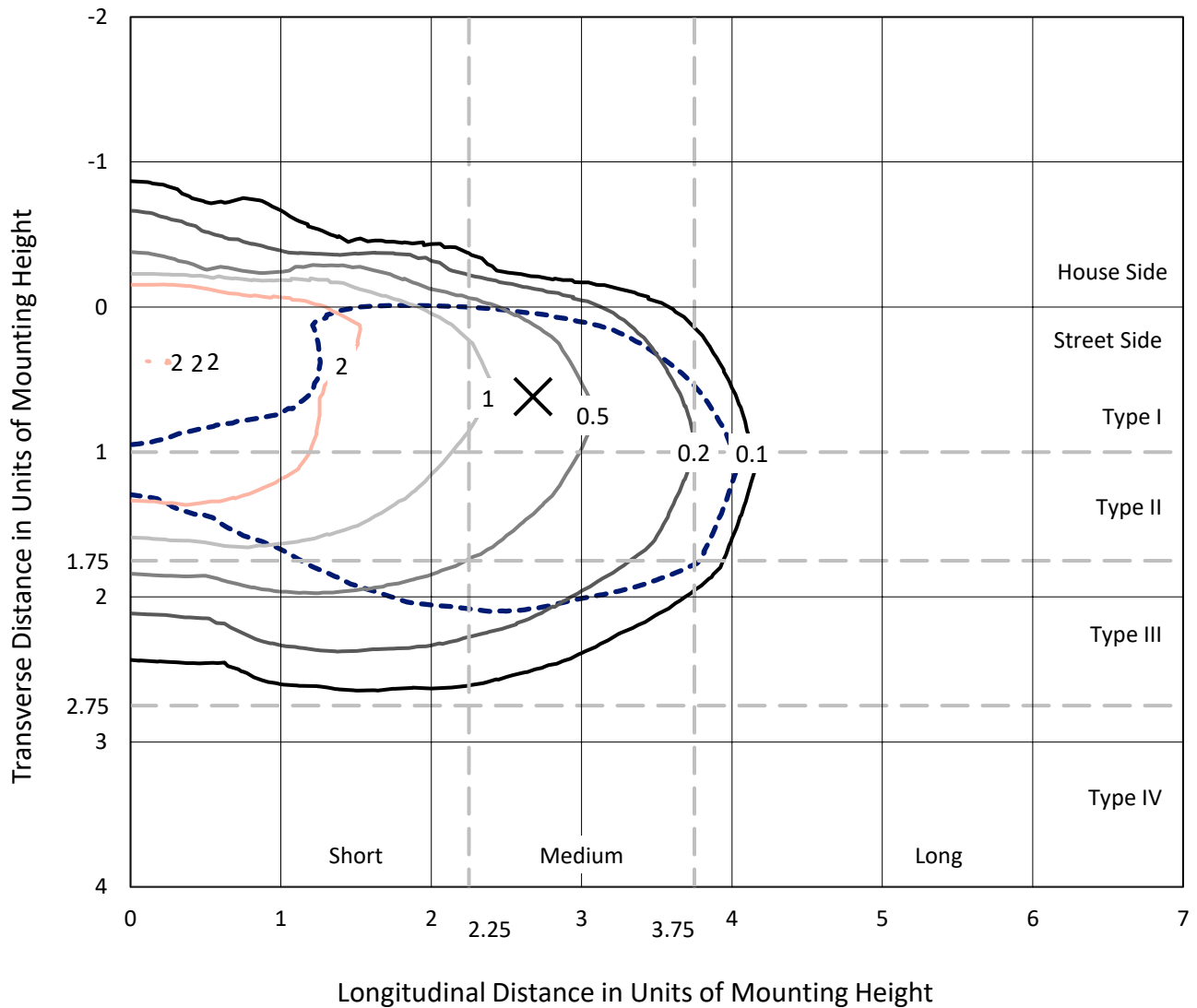
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

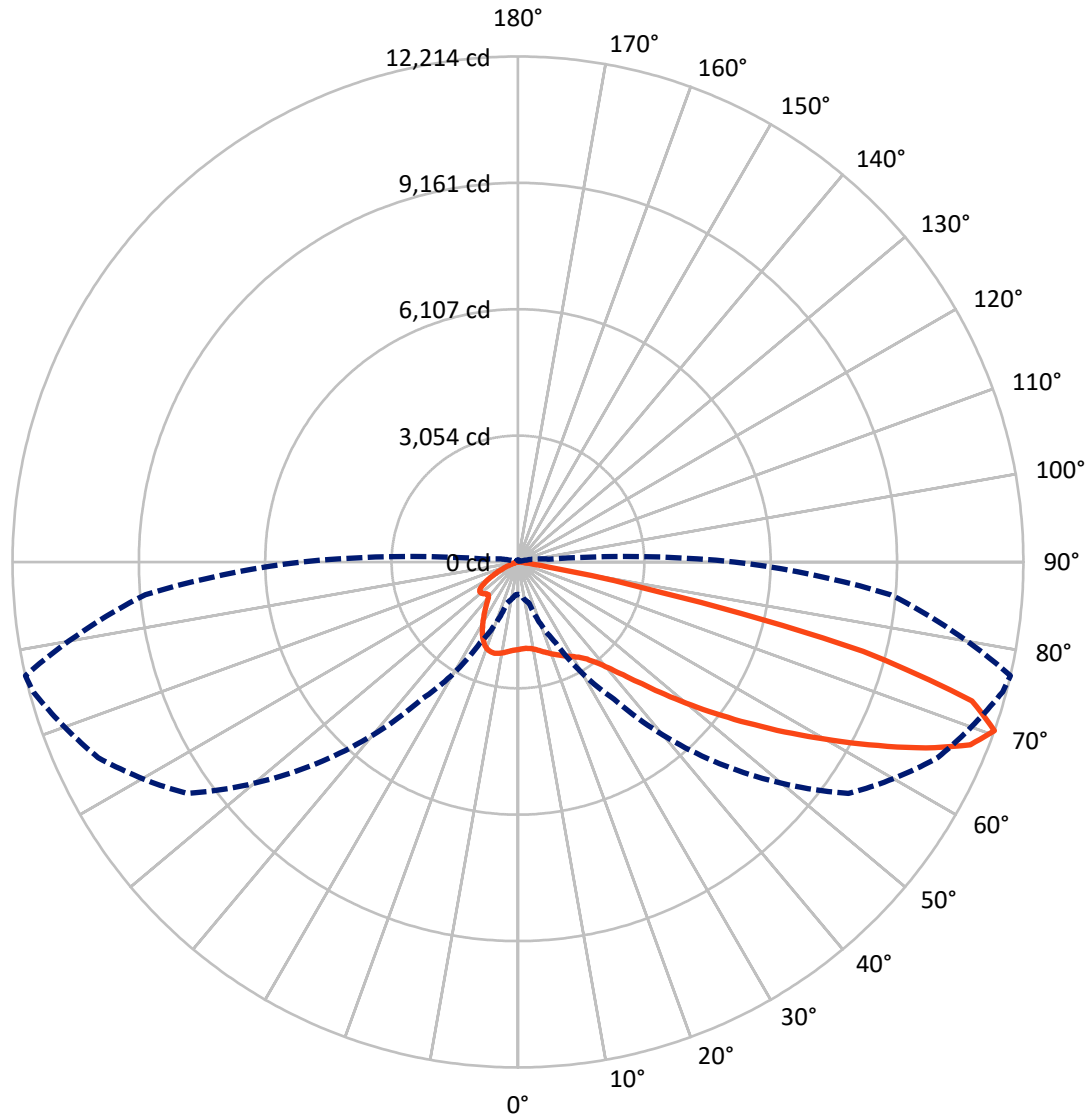
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Medium - N/A

REPORT NUMBER: P948732
CATALOG NUMBER: GALN-SB3C-940-U-T3R-HSS

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	1429.0	0.0	1429.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	12127.0	0.0	12127.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	13556.0	0.0	13556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.2	1.3
10°-20°	432.6	3.2
20°-30°	669.1	4.9
30°-40°	1214.2	9.0
40°-50°	2291.9	16.9
50°-60°	3311.6	24.4
60°-70°	3525.1	26.0
70°-80°	1868.0	13.8
80°-90°	61.3	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°	13556.0	100.0
0°-180°	13556.0	100.0

Coefficient of Utilization



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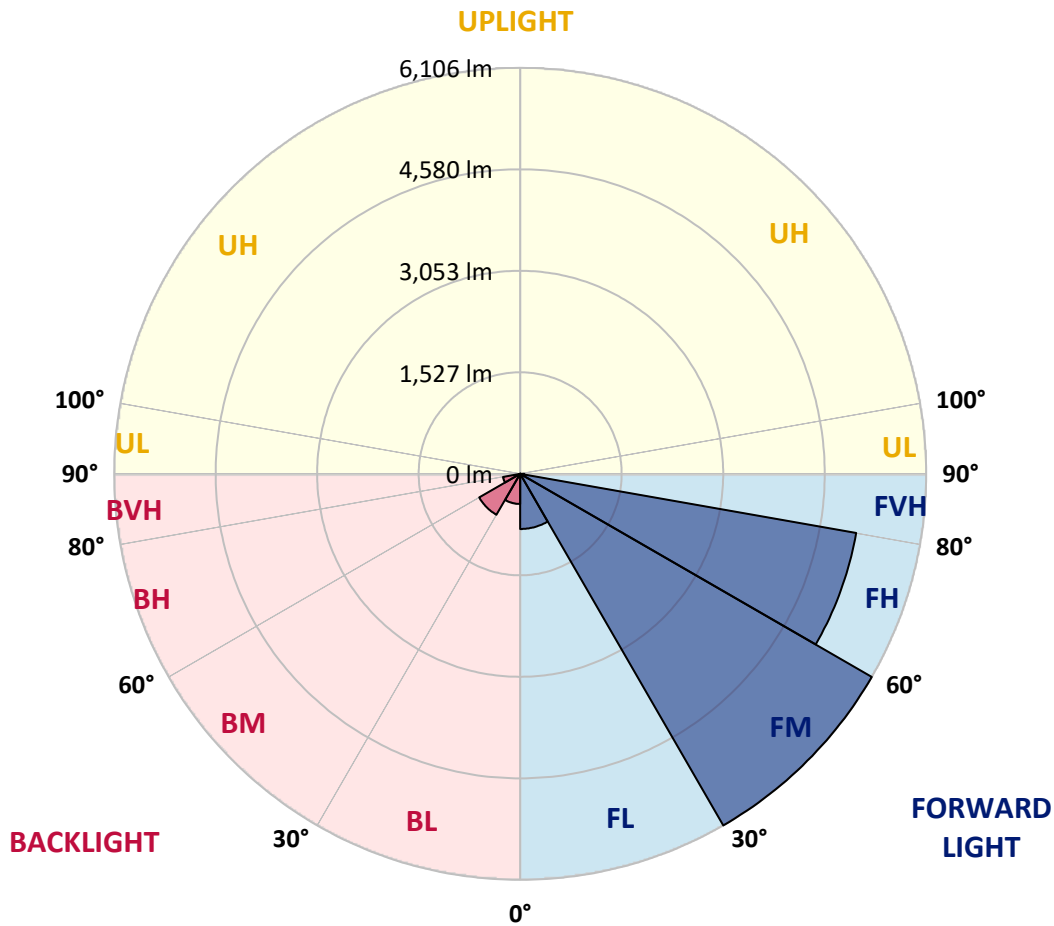
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	829.9	6.1			
FM (30°-60°)	6106.2	45.0			
FH (60°-80°)	5131.1	37.9			G3/7500
FVH (80°-90°)	59.7	0.4			G1/100
BL (0°-30°)	454.0	3.3	B1/500		
BM (30°-60°)	711.4	5.2	B1/1000		
BH (60°-80°)	262.0	1.9	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium



REPORT NUMBER: P948732
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2.5°	1985.2	2003.2	2000.6	2012.6	2016.9	2034.0	2051.1	2074.3	2099.9	2099.1
5°	1873.1	1891.1	1895.3	1911.6	1932.1	1958.7	1993.8	2040.0	2088.0	2095.7
7.5°	1740.4	1759.2	1770.4	1802.9	1840.5	1895.3	1952.7	2020.3	2099.9	2111.1
10°	1607.7	1624.8	1639.4	1685.6	1745.5	1826.9	1920.2	2017.8	2124.8	2141.0
12.5°	1525.5	1541.8	1558.0	1598.3	1672.8	1772.1	1898.8	2029.7	2165.9	2189.0
15°	1496.4	1511.0	1523.8	1559.8	1629.1	1742.1	1894.5	2054.6	2218.1	2248.9
17.5°	1500.7	1508.4	1517.0	1544.3	1612.0	1728.4	1902.2	2097.4	2279.7	2307.1
20°	1525.5	1529.8	1530.7	1549.5	1609.4	1726.7	1917.6	2138.5	2337.9	2374.7
22.5°	1557.2	1558.9	1557.2	1570.0	1625.7	1739.5	1938.1	2188.1	2403.0	2437.2
25°	1705.3	1672.8	1631.7	1606.8	1653.1	1764.4	1969.0	2254.9	2474.0	2507.4
27.5°	2165.0	2071.7	1924.4	1759.2	1709.6	1800.3	2011.8	2322.5	2546.0	2575.9
30°	2911.5	2789.1	2539.1	2166.7	1891.1	1875.6	2067.4	2390.1	2622.1	2654.7
32.5°	3659.7	3629.7	3341.2	2825.9	2299.4	2043.4	2159.9	2481.7	2723.2	2748.8
35°	4416.5	4355.7	4119.4	3610.0	2928.6	2385.0	2314.0	2601.6	2855.8	2885.0
37.5°	4996.0	4959.2	4812.8	4393.3	3675.1	2912.3	2577.6	2787.4	3048.5	3081.0
40°	5507.9	5490.8	5441.2	5164.7	4509.8	3602.3	2987.7	3075.0	3315.6	3354.1
42.5°	5910.3	5950.5	5978.8	5901.7	5370.1	4389.9	3539.0	3479.1	3687.9	3727.3
45°	6322.1	6335.8	6449.6	6560.9	6224.5	5213.5	4160.5	3952.5	4151.1	4199.9
47.5°	6586.6	6641.4	6841.7	7037.7	6942.7	6030.2	4828.2	4511.5	4687.8	4779.4
50°	6606.3	6709.9	6985.5	7327.1	7465.8	6807.5	5554.2	5148.4	5335.9	5436.9
52.5°	6278.4	6439.4	6866.5	7366.5	7748.3	7465.8	6305.0	5785.3	6025.9	6157.7
55°	4813.7	5024.3	6418.8	7152.5	7759.4	7964.9	7036.0	6448.8	6794.6	6943.6
57.5°	4193.9	4300.0	5046.5	6780.9	7553.1	8166.0	7696.9	7080.5	7631.0	7815.9
60°	3489.3	3628.9	4232.4	6173.1	7273.2	8185.7	8280.8	7895.5	8537.6	8745.6
62.5°	2371.3	2522.8	3122.9	5128.7	6890.5	8176.3	8759.3	8734.5	9545.2	9768.6
65°	1469.0	1564.0	1959.5	4187.9	6355.5	8186.6	9260.1	9753.2	10608.4	10835.3
67.5°	1160.8	1204.5	1410.8	3215.4	5433.5	7955.5	9760.0	10711.1	11609.2	11788.9
70°	779.9	806.4	1026.4	2155.6	4042.4	6888.8	9750.6	11192.3	12124.5	12214.4
72.5°	410.9	431.5	600.1	998.2	2441.5	4896.7	8219.1	10617.0	11611.7	11476.5
75°	205.5	239.7	404.1	506.8	1042.7	2730.9	5103.9	8370.6	9139.4	8615.5
77.5°	155.8	188.3	333.9	333.9	363.0	919.4	2161.6	4565.4	4211.0	3506.5
80°	99.3	128.4	291.9	252.5	151.5	233.7	563.3	1279.0	894.6	680.6
82.5°	58.2	83.9	243.1	166.9	84.8	86.5	159.2	272.2	232.0	180.6
85°	23.1	54.8	166.9	65.9	33.4	21.4	47.9	58.2	47.9	36.0
87.5°	0.0	12.8	29.1	0.0	2.6	1.7	3.4	4.3	4.3	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948732
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2114.5	0°	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5	2114.5
2116.2	2.5°	2123.9	2125.6	2130.8	2131.6	2119.6	2104.2	2098.2	2095.7	2085.4	2084.5
2129.9	5°	2149.6	2157.3	2149.6	2127.3	2074.3	1999.8	1943.3	1897.0	1855.1	1842.3
2177.0	7.5°	2201.0	2208.7	2185.5	2098.2	1964.7	1816.6	1683.0	1588.9	1504.1	1472.4
2234.3	10°	2274.6	2284.8	2212.1	2035.7	1799.5	1561.5	1335.5	1176.2	1052.1	1001.6
2312.2	12.5°	2367.0	2371.3	2226.6	1940.7	1584.6	1244.7	924.6	754.2	643.8	602.7
2406.4	15°	2468.9	2462.9	2228.3	1811.4	1291.8	880.0	603.5	495.7	451.1	437.5
2500.6	17.5°	2575.9	2551.1	2194.1	1624.8	970.8	601.8	447.7	422.0	414.3	410.9
2593.9	20°	2681.2	2625.6	2131.6	1380.8	696.8	449.4	406.6	398.9	394.6	392.9
2688.1	22.5°	2777.1	2682.1	2024.6	1097.5	505.9	397.2	384.4	377.5	369.8	366.4
2779.7	25°	2870.4	2714.6	1873.9	833.0	404.9	371.5	361.3	348.4	338.1	333.9
2878.1	27.5°	2961.1	2735.1	1685.6	616.4	361.3	347.6	328.7	310.8	303.0	301.3
2983.4	30°	3057.9	2742.0	1471.6	459.7	334.7	317.6	290.2	269.7	265.4	266.2
3125.5	32.5°	3176.0	2752.3	1255.9	376.7	312.5	281.6	249.1	227.7	224.3	227.7
3332.7	35°	3317.3	2772.8	1047.8	346.7	292.8	244.8	209.7	191.8	188.3	190.9
3598.1	37.5°	3509.0	2806.2	853.5	340.7	276.5	214.0	176.4	161.8	161.8	162.7
3923.4	40°	3764.1	2895.2	679.7	336.4	267.9	190.9	149.0	143.0	145.5	147.2
4337.7	42.5°	4074.9	3084.4	562.4	331.3	258.5	180.6	135.3	132.7	137.0	138.7
4834.2	45°	4423.3	3324.1	521.3	322.7	250.0	187.5	129.3	125.8	131.0	131.8
5390.7	47.5°	4783.7	3558.7	516.2	313.3	241.4	197.8	127.6	119.8	125.8	126.7
5984.8	50°	5148.4	3711.9	521.3	298.8	227.7	197.8	128.4	113.9	119.0	121.6
6601.2	52.5°	5515.7	3782.1	517.9	267.1	203.7	185.8	128.4	108.7	113.9	115.6
7267.2	55°	5871.8	3768.4	465.7	220.0	172.9	164.4	125.0	104.4	107.9	108.7
7896.4	57.5°	6153.4	3577.5	369.0	171.2	140.4	137.0	113.9	99.3	101.9	101.0
8473.4	60°	6300.7	3158.0	263.7	131.8	110.4	107.9	100.2	92.5	94.2	89.9
8962.2	62.5°	6302.4	2603.3	176.4	104.4	88.2	85.6	85.6	83.0	81.3	72.8
9340.6	65°	6168.0	1987.8	117.3	83.0	71.1	66.8	71.9	71.1	65.1	53.1
9456.1	67.5°	5863.2	1302.9	89.0	65.1	54.8	52.2	57.4	59.9	55.6	44.5
9035.0	70°	5236.6	758.5	73.6	50.5	41.1	38.5	46.2	51.4	46.2	36.0
7722.6	72.5°	4349.7	409.2	59.9	37.7	28.3	25.7	36.8	41.9	36.8	26.5
4954.9	75°	2822.5	219.2	46.2	24.8	14.6	16.3	27.4	30.8	25.7	17.1
1454.5	77.5°	947.7	96.7	29.1	12.0	6.8	6.8	16.3	18.8	12.0	6.0
264.5	80°	211.4	40.2	12.0	5.1	2.6	2.6	3.4	3.4	1.7	0.0
81.3	82.5°	69.3	16.3	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0
20.5	85°	26.5	6.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.8	87.5°	10.3	0.9	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>
2114.5
2086.2
1834.6
1459.6
980.2
589.8
437.5
410.1
391.2
365.5
332.2
299.6
266.2
226.9
190.0
161.8
147.2
138.7
132.7
127.6
122.4
115.6
108.7
101.0
89.0
70.2
51.4
43.7
34.2
25.7
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5.1
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