

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: P948730

Luminaire Tested: **GALN-SB3C-940-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
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-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12444 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

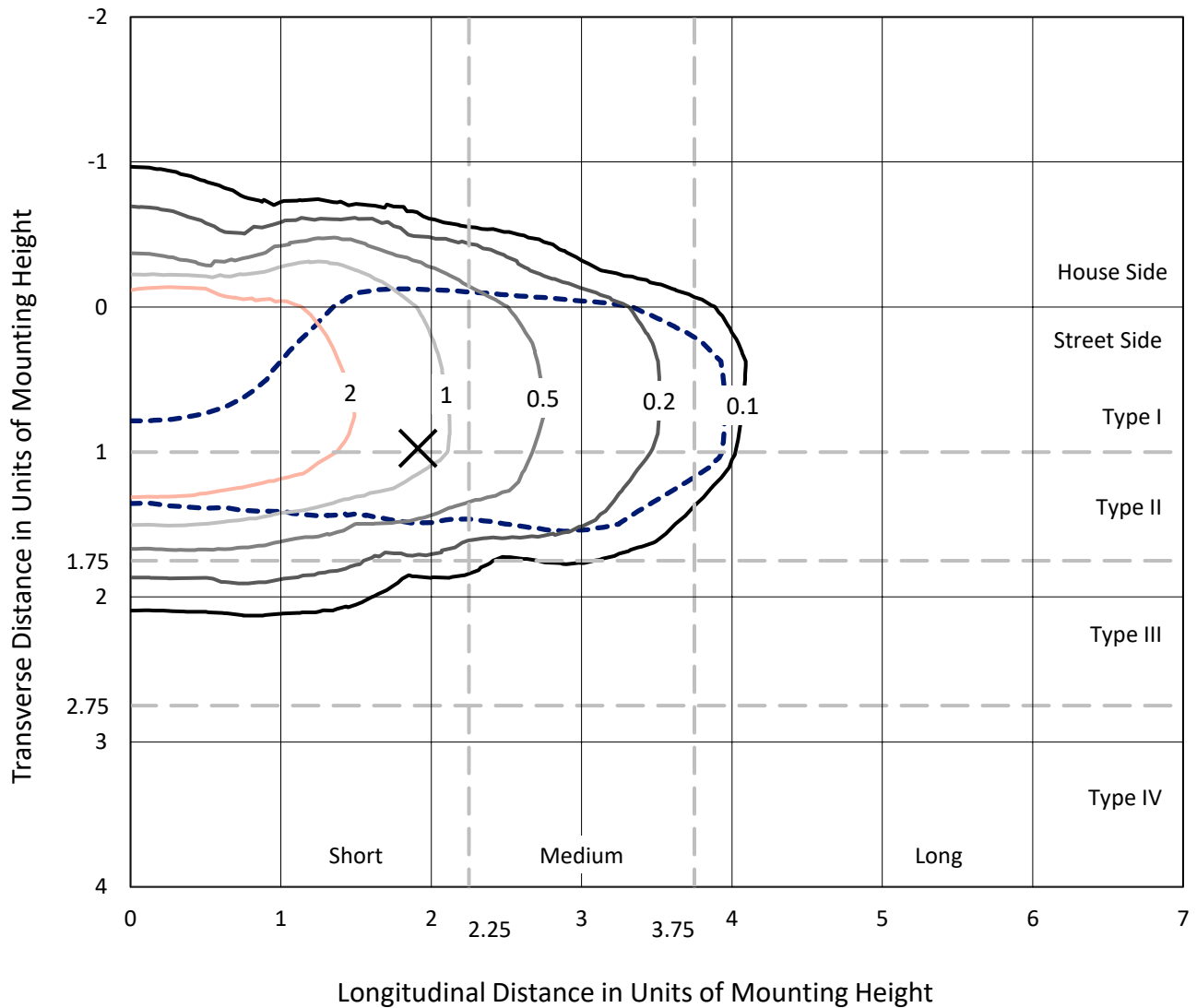
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

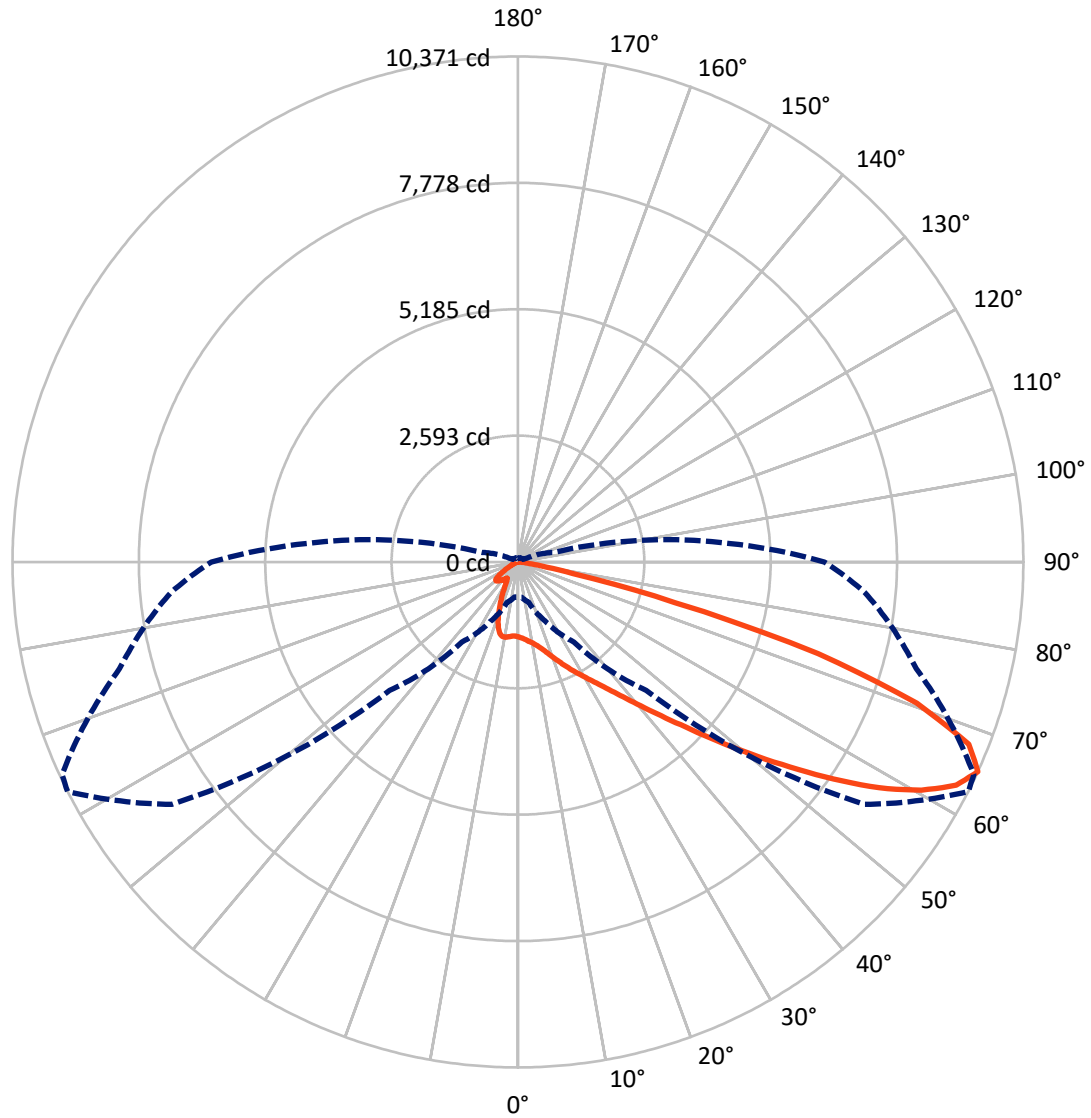
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Short - N/A

REPORT NUMBER: P948730
CATALOG NUMBER: GALN-SB3C-940-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1829.2	0.0	1829.2
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	10614.8	0.0	10614.8
	% Fixture	85.3	0.0	85.3
Total	Lumens	12444.0	0.0	12444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.7	1.2
10°-20°	401.5	3.2
20°-30°	699.1	5.6
30°-40°	1260.1	10.1
40°-50°	2499.1	20.1
50°-60°	3404.2	27.4
60°-70°	2717.2	21.8
70°-80°	1229.6	9.9
80°-90°	88.4	0.7
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°	12444.0	100.0
0°-180°	12444.0	100.0

Coefficient of Utilization



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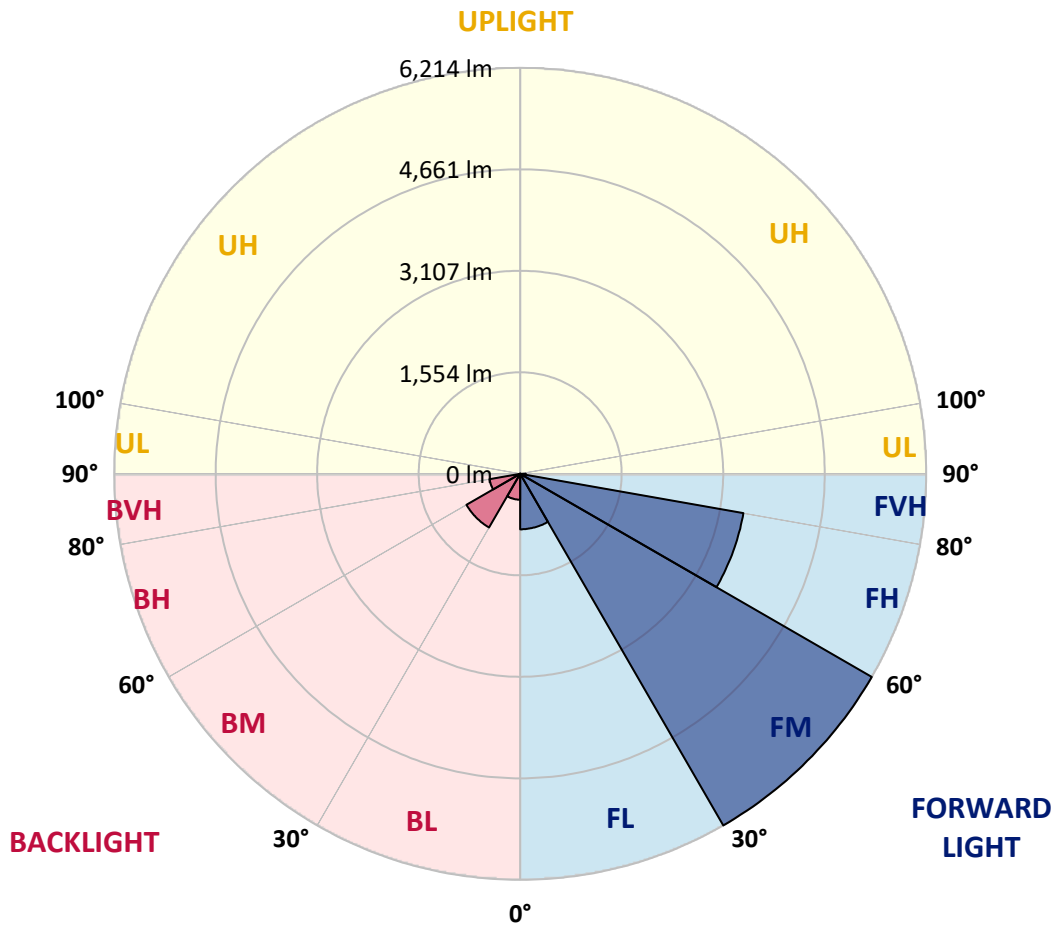
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	849.5	6.8			
FM (30°-60°)	6214.2	49.9			
FH (60°-80°)	3469.3	27.9			G2/5000
FVH (80°-90°)	81.8	0.7			G1/100
BL (0°-30°)	395.9	3.2	B1/500		
BM (30°-60°)	949.2	7.6	B1/1000		
BH (60°-80°)	477.5	3.8	B1/500		G1/500
BVH (80°-90°)	6.6	0.1			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 II Short



REPORT NUMBER: P948730

CATALOG NUMBER: GALN-SB3C-940-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	1535.8	1535.8	1535.8	1535.8	1535.8	1535.8	1535.8	1535.8	1535.8	1535.8
2.5°	1571.8	1567.5	1573.5	1570.9	1569.2	1565.8	1564.1	1562.4	1558.9	1556.4
5°	1576.1	1573.5	1579.5	1584.6	1589.8	1594.9	1597.5	1600.9	1597.5	1590.6
7.5°	1540.1	1538.4	1551.2	1566.6	1589.8	1609.4	1630.9	1642.8	1643.7	1641.1
10°	1537.5	1533.3	1546.1	1564.9	1594.9	1630.0	1667.7	1693.3	1696.8	1707.9
12.5°	1577.8	1573.5	1591.5	1612.0	1642.8	1679.6	1725.9	1761.8	1767.0	1782.4
15°	1645.4	1639.4	1660.0	1686.5	1725.9	1767.8	1816.6	1849.2	1853.4	1872.3
17.5°	1724.2	1718.2	1742.1	1770.4	1813.2	1870.6	1927.1	1963.0	1968.1	1980.1
20°	1825.2	1817.5	1836.3	1862.0	1907.4	1975.9	2043.5	2094.9	2094.0	2094.0
22.5°	1942.5	1930.5	1946.7	1967.3	2010.1	2093.1	2183.0	2243.8	2243.8	2219.8
25°	2068.3	2056.3	2074.3	2093.1	2130.8	2225.0	2330.3	2405.6	2409.0	2367.9
27.5°	2225.8	2210.4	2224.1	2246.4	2268.6	2364.5	2489.5	2576.8	2578.5	2515.2
30°	2528.9	2485.2	2442.4	2418.5	2428.7	2523.8	2657.3	2754.0	2762.6	2675.3
32.5°	3083.6	3075.1	2924.4	2727.5	2624.8	2695.0	2844.8	2961.2	2966.4	2854.2
35°	3945.7	3935.4	3693.2	3318.2	2983.5	2924.4	3072.5	3210.3	3206.9	3080.2
37.5°	4974.7	4965.3	4646.0	4144.3	3602.4	3271.1	3366.1	3510.8	3532.2	3366.1
40°	5853.9	5818.8	5616.8	5133.1	4424.3	3846.4	3783.9	3879.8	3902.1	3705.2
42.5°	6520.0	6490.0	6387.3	6085.1	5419.0	4697.4	4276.2	4313.0	4337.8	4101.5
45°	6865.0	6858.1	6899.2	6871.0	6432.7	5741.8	4979.9	4826.6	4836.1	4540.7
47.5°	6913.8	6910.4	7097.8	7363.2	7304.2	6919.8	5883.0	5467.0	5433.6	5036.4
50°	6626.1	6619.3	6978.8	7476.2	7886.3	7909.4	6908.6	6188.7	6115.0	5549.2
52.5°	5707.5	5705.8	6296.5	7124.4	8090.9	8775.8	7922.3	6981.4	6858.1	6091.9
55°	4391.7	4423.4	5100.6	6079.1	7717.6	9192.7	8832.3	7861.5	7672.3	6638.1
57.5°	3111.0	3157.3	3826.7	4698.2	6560.2	8946.1	9447.8	8743.2	8539.5	7182.6
60°	1671.1	1712.2	2382.5	3422.6	4880.6	8026.7	9772.3	9508.6	9316.0	7699.7
62.5°	995.6	1009.3	1286.7	2209.6	3301.1	6132.2	9634.4	10091.6	9933.2	8133.7
65°	714.8	717.4	856.9	1349.2	2004.1	3725.7	8667.9	10370.7	10321.9	8460.7
67.5°	601.8	600.1	658.3	896.3	1365.5	1866.3	6643.3	9976.0	10183.2	8667.9
70°	516.2	518.8	587.3	656.6	1026.5	1056.4	3302.8	8685.9	9127.6	8722.7
72.5°	384.4	392.9	456.3	598.4	774.8	726.8	1140.3	6440.4	7239.1	8218.5
75°	271.4	275.7	321.0	503.4	577.9	529.1	582.1	3329.3	4353.2	6300.8
77.5°	208.9	216.6	243.1	351.9	569.3	371.5	356.1	1152.3	1770.4	3806.2
80°	113.0	126.7	175.5	254.3	399.8	262.8	176.4	458.9	600.1	1779.8
82.5°	58.2	65.1	122.4	183.2	227.7	229.4	87.3	190.9	247.4	549.6
85°	23.1	28.3	82.2	101.0	117.3	113.0	39.4	77.0	89.0	152.4
87.5°	5.1	8.6	30.0	23.1	22.3	24.0	9.4	18.0	17.1	18.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948730
 CATALOG NUMBER: GALN-SB3C-940-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1535.8	0°	1535.8	1535.8	1535.8	1535.8	1535.8	1535.8	1535.8	1535.8	1535.8	1535.8
1546.1	2.5°	1545.2	1541.8	1532.4	1522.1	1510.1	1503.3	1499.0	1498.2	1492.2	1487.9
1580.3	5°	1570.9	1567.5	1549.5	1528.1	1505.0	1487.0	1469.9	1454.5	1432.2	1428.0
1630.0	7.5°	1622.3	1612.9	1583.8	1554.7	1511.0	1458.8	1395.4	1322.7	1257.6	1237.9
1695.9	10°	1685.6	1672.8	1636.0	1584.6	1487.9	1345.8	1192.5	1050.4	937.4	905.7
1773.8	12.5°	1757.6	1746.4	1697.6	1602.6	1391.1	1133.5	898.9	722.5	613.0	585.6
1856.9	15°	1843.2	1826.9	1759.3	1575.2	1218.2	861.2	617.2	512.8	473.4	468.3
1951.9	17.5°	1933.9	1907.4	1814.1	1476.8	985.4	612.1	476.8	446.9	429.8	424.6
2047.8	20°	2016.9	1982.7	1846.6	1327.8	736.2	476.8	427.2	407.5	392.1	386.1
2143.6	22.5°	2100.0	2051.2	1846.6	1124.9	552.2	422.9	392.1	374.1	356.1	348.4
2246.4	25°	2186.5	2121.4	1814.1	898.9	444.3	387.8	358.7	339.0	323.6	314.2
2344.0	27.5°	2270.3	2180.5	1739.6	684.9	395.5	357.0	327.9	309.0	294.5	287.6
2450.1	30°	2350.0	2238.7	1635.1	519.6	363.8	327.0	299.6	283.4	268.8	262.0
2588.0	32.5°	2457.8	2312.3	1523.8	426.3	336.4	298.8	273.9	258.5	245.7	240.6
2766.9	35°	2607.6	2421.0	1428.0	418.6	313.3	275.7	250.8	236.3	223.4	219.2
2998.0	37.5°	2820.0	2596.5	1377.4	470.0	294.5	255.1	232.0	216.6	204.6	201.2
3291.7	40°	3081.9	2834.5	1404.8	521.4	281.7	237.1	214.9	199.5	189.2	184.9
3629.0	42.5°	3392.7	3128.2	1556.4	560.7	273.1	221.7	198.6	181.5	174.6	172.9
4011.6	45°	3749.7	3450.9	1788.4	602.7	259.4	207.2	182.3	169.5	164.4	163.5
4427.7	47.5°	4155.5	3805.3	2057.2	654.9	245.7	193.5	169.5	160.9	156.7	155.0
4861.7	50°	4557.8	4162.3	2333.7	684.0	234.6	180.6	159.2	152.4	149.0	148.1
5320.6	52.5°	4979.0	4529.6	2557.1	656.6	225.2	170.4	150.7	145.5	142.1	141.3
5743.5	55°	5380.5	4826.6	2595.7	557.3	206.3	160.1	141.3	138.7	134.4	134.4
6172.4	57.5°	5726.4	4975.6	2323.4	409.2	187.5	144.7	131.8	129.3	125.8	125.0
6559.4	60°	6044.0	4932.8	1793.5	275.7	166.9	129.3	119.9	118.1	114.7	110.4
6895.8	62.5°	6222.9	4744.4	1226.8	179.8	146.4	113.0	106.2	105.3	97.6	89.0
7144.9	65°	6290.5	4357.5	765.3	131.0	122.4	96.7	91.6	89.9	78.8	69.3
7286.2	67.5°	6231.5	3720.6	386.1	103.6	96.7	80.5	75.3	75.3	67.6	59.1
7277.6	70°	5995.2	2789.1	162.7	83.0	74.5	61.6	61.6	65.1	57.4	47.9
6900.1	72.5°	5482.4	1876.5	86.5	63.4	55.6	43.7	50.5	53.1	45.4	36.0
5647.6	75°	4358.4	1144.6	59.9	47.1	35.1	30.8	38.5	40.2	30.8	24.0
3872.1	77.5°	2980.9	657.5	40.2	30.0	22.3	18.0	26.5	24.8	16.3	11.1
1493.0	80°	1309.0	273.9	23.1	13.7	8.6	6.8	9.4	6.8	5.1	3.4
204.6	82.5°	153.2	64.2	8.6	5.1	3.4	1.7	0.9	0.0	0.0	0.0
62.5	85°	31.7	7.7	4.3	1.7	0.9	0.0	0.0	0.0	0.0	0.0
11.1	87.5°	6.0	1.7	0.9	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>
1535.8
1492.2
1426.2
1228.5
893.8
577.9
463.1
422.1
382.7
344.1
310.8
287.6
262.8
240.6
219.2
200.3
184.1
172.9
162.7
155.0
148.1
141.3
133.5
124.1
109.6
87.3
68.5
58.2
47.1
36.0
23.1
12.0
3.4
0.0
0.0
0.0
0.0

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