

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: P944930

Luminaire Tested: **GALN-SB1A-740-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-740-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4811 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

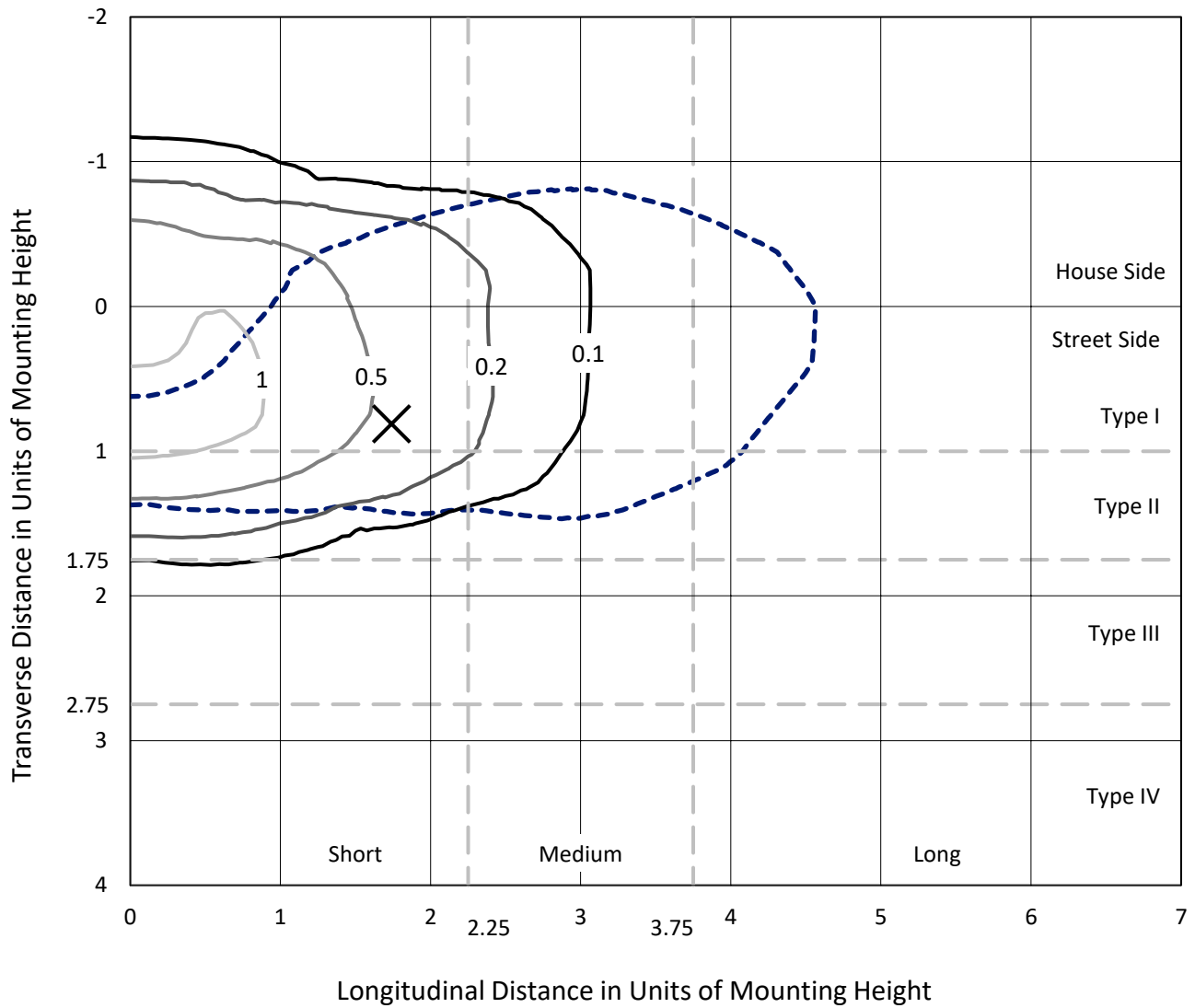
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

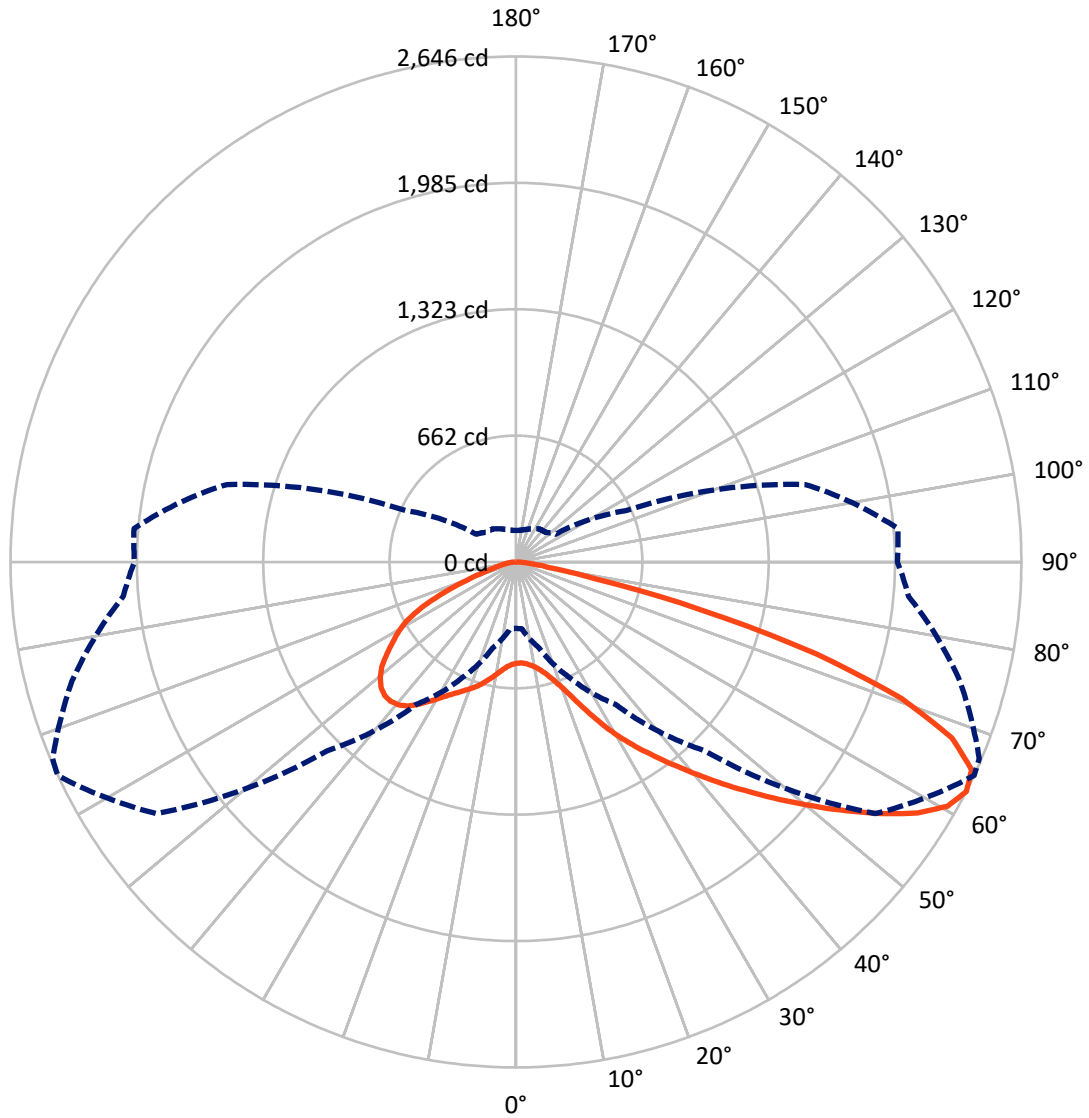
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1518.1	0.0	1518.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	3292.9	0.0	3292.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	4811.0	0.0	4811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.1
10°-20°	179.2	3.7
20°-30°	363.4	7.6
30°-40°	628.9	13.1
40°-50°	951.7	19.8
50°-60°	1115.8	23.2
60°-70°	935.5	19.4
70°-80°	516.5	10.7
80°-90°	67.1	1.4
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°	4811.0	100.0
0°-180°	4811.0	100.0

Coefficient of Utilization



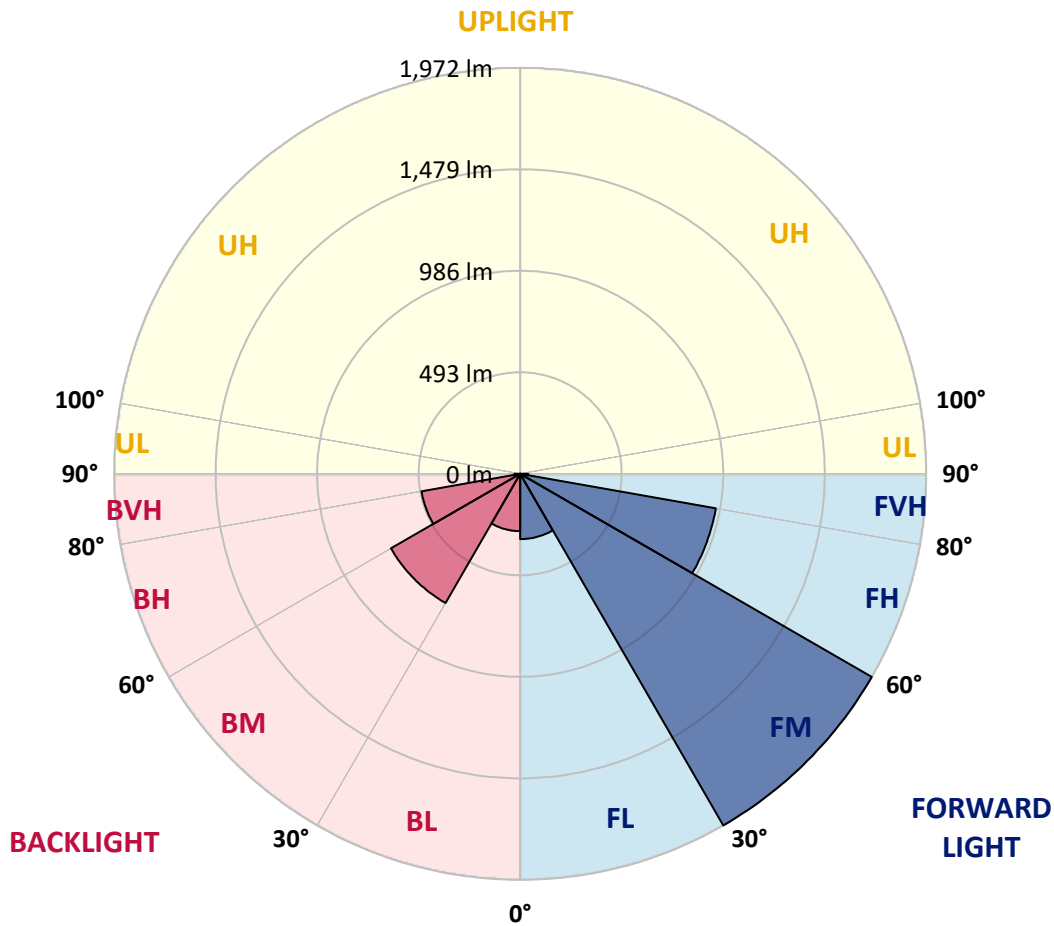
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.1	6.6			
FM (30°-60°)	1971.7	41.0			
FH (60°-80°)	964.9	20.1			G1/1800
FVH (80°-90°)	39.1	0.8			G1/100
BL (0°-30°)	278.4	5.8	B1/500		
BM (30°-60°)	724.7	15.1	B1/1000		
BH (60°-80°)	487.0	10.1	B1/500		G1/500
BVH (80°-90°)	28.0	0.6			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2
2.5°	526.7	525.2	526.4	526.4	526.9	526.7	528.4	528.9	529.7	531.1
5°	521.4	521.2	523.4	525.4	527.4	529.2	531.4	534.6	535.1	536.9
7.5°	519.7	518.2	521.7	524.2	528.9	533.1	539.1	544.6	546.9	547.6
10°	533.1	530.7	533.9	535.4	539.4	543.6	550.6	559.4	561.9	564.8
12.5°	556.1	553.4	558.1	560.4	564.1	567.8	572.6	581.1	582.3	587.8
15°	587.6	584.3	587.3	590.1	596.3	599.8	604.5	612.8	612.8	617.0
17.5°	630.2	626.0	628.2	629.2	633.2	638.5	646.5	653.7	657.4	655.9
20°	693.9	688.6	688.6	683.7	682.2	686.4	696.9	706.9	710.9	703.1
22.5°	789.5	782.0	777.8	760.8	754.0	754.5	765.0	777.3	780.5	766.8
25°	911.0	899.3	893.6	868.6	853.4	840.2	848.4	864.1	868.6	851.6
27.5°	1032.6	1033.3	1027.9	997.9	972.7	948.5	944.2	960.7	965.5	946.2
30°	1203.1	1185.4	1174.9	1138.9	1103.0	1069.0	1051.6	1058.3	1059.6	1036.6
32.5°	1350.1	1345.6	1323.1	1291.7	1245.5	1192.3	1163.1	1152.4	1150.4	1117.7
35°	1517.6	1515.1	1491.4	1453.9	1404.0	1330.1	1277.5	1246.8	1244.3	1198.3
37.5°	1687.8	1687.8	1664.6	1623.7	1572.0	1479.6	1399.5	1350.8	1342.9	1282.9
40°	1823.6	1815.3	1819.6	1802.4	1743.2	1645.1	1535.0	1464.4	1453.7	1381.8
42.5°	1900.7	1898.0	1923.4	1942.6	1918.4	1840.1	1684.3	1587.5	1572.5	1490.6
45°	1917.9	1914.9	1960.4	2030.7	2064.7	2032.5	1846.5	1717.0	1698.8	1604.4
47.5°	1878.2	1872.3	1938.9	2050.0	2158.8	2215.5	2022.3	1857.5	1831.1	1715.3
50°	1758.9	1753.2	1854.0	2001.5	2190.5	2339.8	2213.0	2006.5	1966.1	1834.1
52.5°	1499.6	1502.3	1660.3	1863.0	2148.8	2417.1	2377.2	2163.5	2114.9	1955.6
55°	1168.1	1174.1	1368.3	1591.5	1982.1	2405.4	2489.3	2325.3	2276.9	2069.9
57.5°	836.4	862.9	1044.8	1265.7	1661.8	2219.4	2513.7	2479.0	2432.1	2194.7
60°	542.1	546.9	734.1	956.7	1265.5	1889.0	2464.1	2595.6	2558.9	2322.0
62.5°	347.4	350.7	464.8	669.2	910.8	1397.5	2296.8	2646.3	2635.0	2406.1
65°	255.3	252.8	312.3	442.3	613.5	861.9	1972.1	2621.8	2644.0	2458.8
67.5°	213.2	209.7	238.9	306.3	452.0	489.5	1459.2	2462.8	2544.2	2452.8
70°	194.2	191.2	208.9	227.4	352.7	327.7	735.6	2141.1	2266.4	2384.7
72.5°	164.5	159.2	183.5	201.9	274.3	251.3	304.0	1644.6	1797.4	2166.3
75°	127.5	124.1	144.8	177.7	206.2	196.2	192.2	998.7	1165.4	1675.3
77.5°	101.1	96.3	115.3	138.5	185.5	148.0	140.0	430.1	595.3	1069.5
80°	76.1	71.9	87.6	109.6	142.5	111.6	90.6	175.5	224.4	541.9
82.5°	54.2	50.4	61.2	80.4	95.8	100.1	55.7	98.3	110.6	208.9
85°	34.7	32.4	40.9	50.4	60.9	64.4	33.9	51.4	56.4	86.1
87.5°	19.0	15.5	22.0	23.5	28.2	25.7	16.2	18.7	20.2	31.2
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°
530.2	0°	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2
531.1	2.5°	532.1	532.9	535.4	536.1	537.9	540.1	541.6	543.1	543.1	544.6
539.1	5°	539.4	541.1	546.4	549.1	553.6	558.1	560.9	564.1	566.1	567.1
551.9	7.5°	553.4	556.1	563.6	568.3	576.1	582.3	586.6	591.1	592.1	594.8
569.6	10°	572.3	575.6	584.1	593.1	602.3	610.0	614.0	617.3	618.5	619.0
592.3	12.5°	594.0	598.8	609.8	620.8	630.5	637.2	638.2	637.5	634.0	631.0
620.3	15°	620.8	625.0	637.2	649.2	658.7	659.9	653.7	649.7	645.5	644.7
651.5	17.5°	652.7	655.0	666.2	677.9	678.7	674.4	665.2	661.4	657.4	654.7
692.1	20°	689.9	689.1	697.1	702.1	696.9	683.9	669.9	663.7	659.7	656.4
742.1	22.5°	734.3	728.6	727.6	726.3	712.4	685.2	666.2	658.2	652.0	647.5
811.7	25°	799.0	777.0	761.8	753.3	721.8	678.4	654.2	636.5	624.7	617.0
896.8	27.5°	879.8	842.9	804.5	783.7	721.8	664.7	625.2	596.5	577.3	569.3
979.2	30°	957.0	918.3	861.6	820.4	720.1	642.2	578.6	538.6	516.2	508.2
1049.6	32.5°	1022.9	980.7	922.3	860.6	715.9	605.8	520.7	476.5	454.8	445.3
1119.2	35°	1084.0	1039.1	983.2	904.8	704.6	552.4	457.0	423.3	399.1	383.9
1190.1	37.5°	1146.7	1093.2	1040.8	944.7	684.4	490.0	408.1	379.4	350.9	330.5
1265.5	40°	1214.8	1150.9	1102.5	968.4	651.2	430.6	370.2	343.9	313.7	292.0
1352.3	42.5°	1294.4	1220.0	1171.1	980.7	605.8	388.4	345.4	319.7	291.3	273.6
1445.4	45°	1377.5	1296.2	1233.8	980.4	555.1	368.7	337.5	312.0	280.6	262.1
1541.0	47.5°	1464.7	1375.8	1287.9	964.5	511.2	371.4	333.0	295.3	260.6	242.6
1637.6	50°	1552.0	1462.9	1340.4	934.5	492.5	365.4	316.2	271.8	230.9	214.7
1728.2	52.5°	1638.6	1555.5	1385.5	891.8	473.5	343.2	294.8	241.4	218.6	207.4
1821.8	55°	1725.7	1647.1	1434.7	829.7	426.1	317.2	258.8	229.9	208.9	198.7
1913.4	57.5°	1813.1	1752.9	1481.4	767.5	366.4	285.3	239.1	215.9	199.2	190.4
1990.1	60°	1904.0	1874.0	1529.6	710.4	307.5	244.4	224.6	204.7	187.7	178.0
2063.7	62.5°	1997.6	2007.3	1567.2	636.7	253.3	219.4	211.7	191.2	174.7	165.5
2124.6	65°	2091.9	2135.8	1592.0	534.6	205.4	195.7	197.7	176.5	159.7	151.8
2169.3	67.5°	2163.0	2228.4	1585.0	404.6	168.5	173.2	180.2	161.0	145.3	139.0
2162.0	70°	2171.0	2217.5	1516.1	277.1	141.0	151.3	160.7	145.8	129.5	125.0
2060.2	72.5°	2064.7	2067.7	1324.1	181.0	119.3	132.8	140.3	130.3	114.6	110.1
1802.4	75°	1785.9	1710.0	972.2	119.3	99.8	114.1	121.1	114.1	98.8	99.8
1348.6	77.5°	1353.1	1211.1	590.3	84.9	83.4	95.8	105.3	100.3	87.4	98.1
678.2	80°	697.1	655.2	263.3	63.4	65.9	76.6	86.6	80.1	69.1	65.9
151.5	82.5°	159.7	185.7	103.8	45.4	47.7	55.2	66.1	60.2	49.7	41.9
63.1	85°	55.9	61.2	45.9	28.5	28.0	34.4	44.9	40.2	33.7	27.0
26.7	87.5°	17.7	23.2	17.2	11.5	12.0	15.5	20.7	19.0	15.7	10.2
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°
530.2
544.6
567.6
593.8
617.8
631.0
644.7
655.0
656.7
649.0
620.0
573.3
512.9
450.0
388.9
336.0
296.3
277.1
265.1
245.1
215.7
207.4
197.7
188.9
177.2
165.2
151.5
139.3
125.3
109.8
96.3
86.4
60.2
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28.5
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