

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: P939209

Luminaire Tested: **GALN-SB1C-940-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1C-940-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5366 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

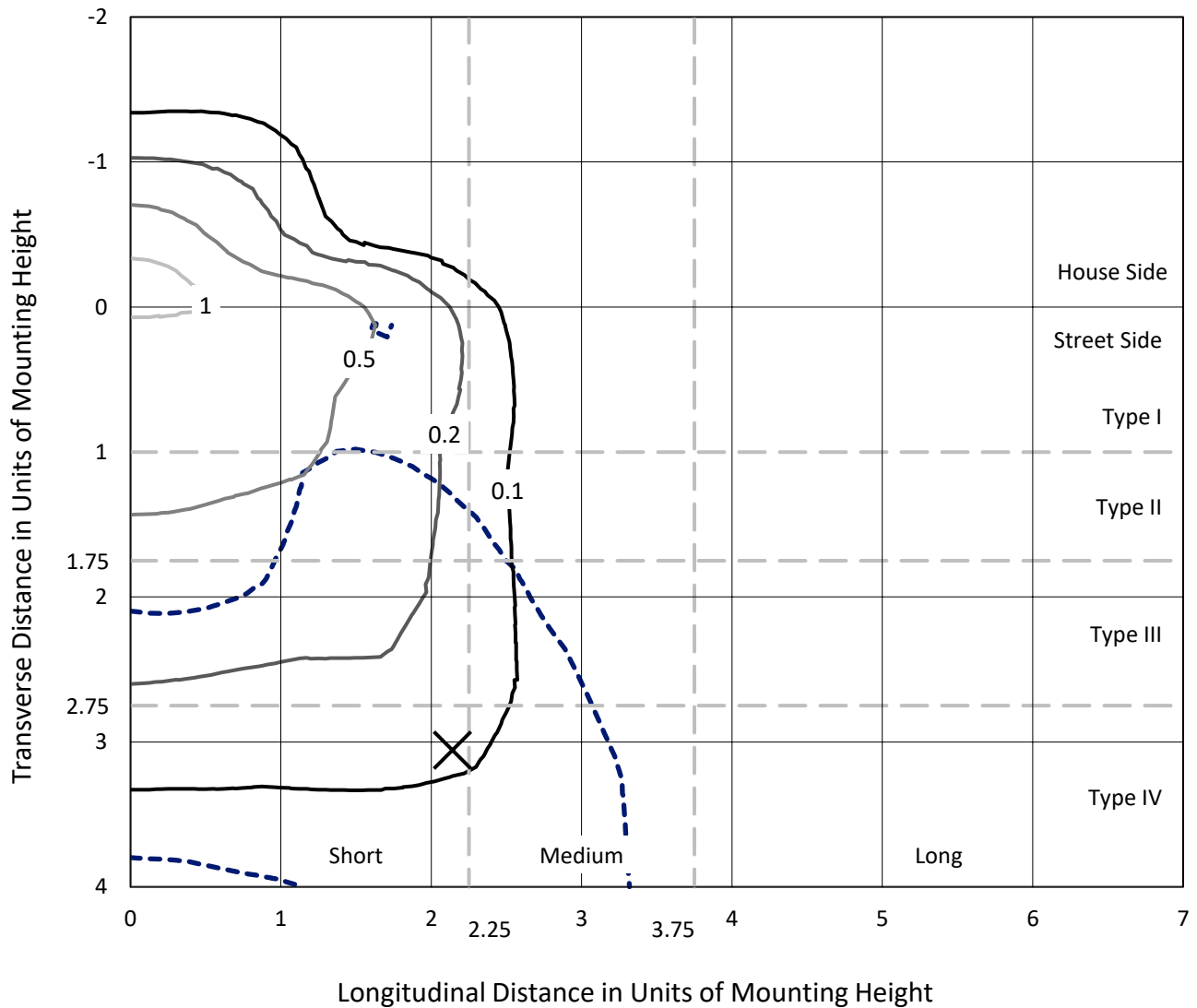
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

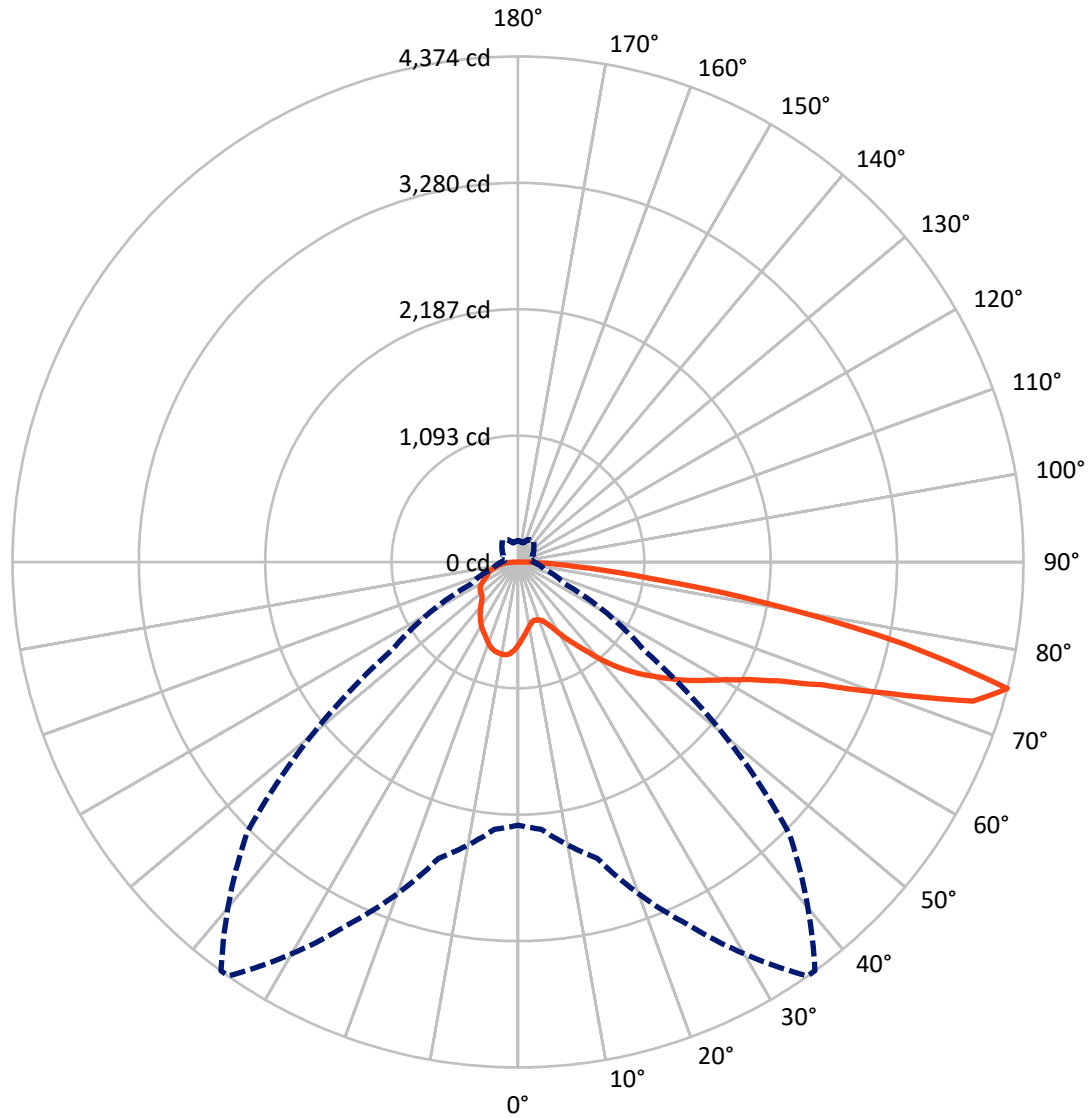
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1277.0	0.0	1277.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	4089.0	0.0	4089.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	5366.0	0.0	5366.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	1.3
10°-20°	195.3	3.6
20°-30°	327.9	6.1
30°-40°	509.6	9.5
40°-50°	756.4	14.1
50°-60°	1044.3	19.5
60°-70°	1267.0	23.6
70°-80°	1047.1	19.5
80°-90°	150.6	2.8
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°	5366.0	100.0
0°-180°	5366.0	100.0

Coefficient of Utilization



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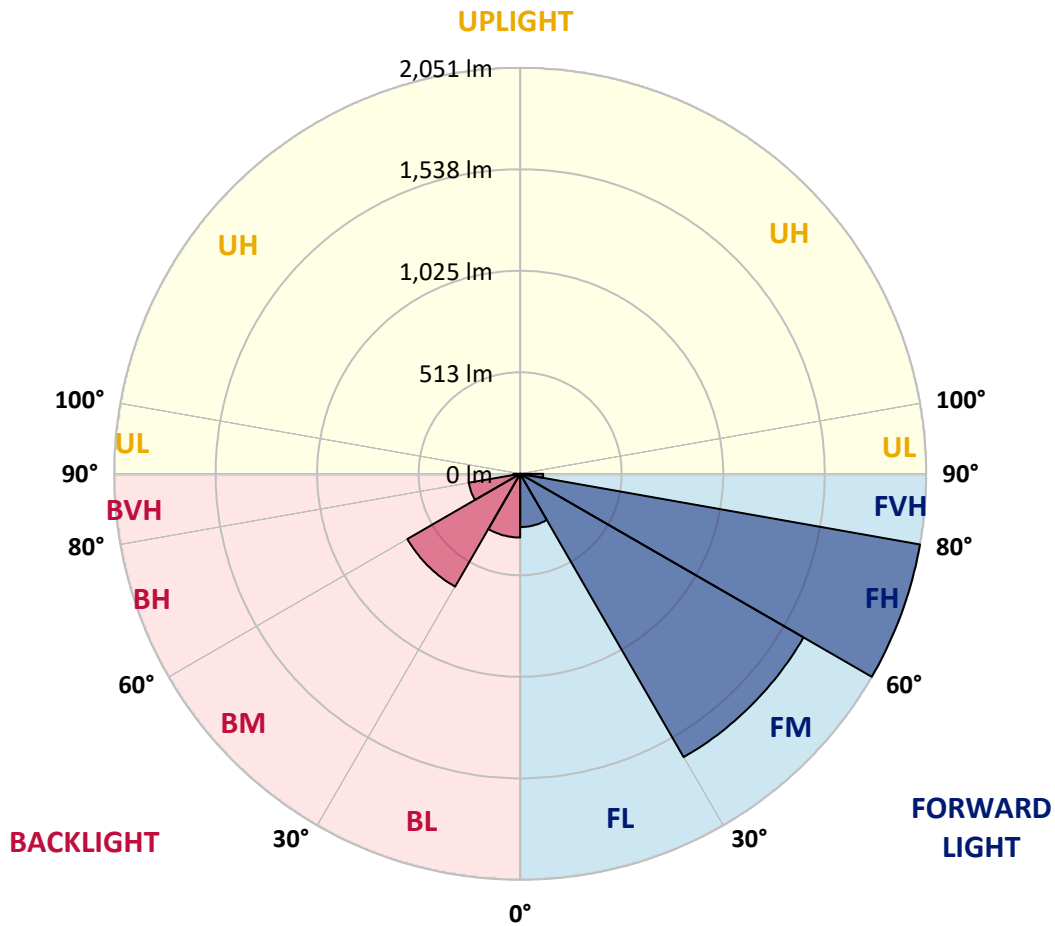
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.1	5.0			
FM (30°-60°)	1652.4	30.8			
FH (60°-80°)	2050.8	38.2			G2/5000
FVH (80°-90°)	116.7	2.2			G2/225
BL (0°-30°)	321.8	6.0	B1/500		
BM (30°-60°)	658.0	12.3	B1/1000		
BH (60°-80°)	263.3	4.9	B1/500		G1/500
BVH (80°-90°)	33.9	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1
2.5°	659.4	663.4	665.2	664.3	668.6	668.1	674.2	681.7	692.1	702.3
5°	608.6	612.9	616.7	620.2	628.6	631.2	640.8	655.3	674.4	693.9
7.5°	561.3	565.1	570.9	577.3	591.5	594.1	610.0	632.7	659.4	687.8
10°	522.7	526.5	532.6	539.8	557.5	560.7	581.0	611.2	646.0	682.0
12.5°	506.2	507.4	510.8	518.1	533.5	535.5	557.8	592.4	633.0	677.6
15°	505.3	507.6	507.9	511.7	524.5	525.3	545.9	580.2	624.8	676.8
17.5°	514.0	515.8	513.2	515.5	526.2	527.7	543.9	574.4	622.2	680.5
20°	537.2	538.7	530.9	527.7	535.5	536.7	552.6	578.1	624.8	688.4
22.5°	586.5	587.4	568.3	555.2	555.8	556.4	570.3	593.5	635.0	702.6
25°	663.4	662.8	632.4	607.1	592.6	589.4	598.7	618.5	652.1	721.4
27.5°	753.3	749.0	718.5	680.8	649.2	644.6	642.5	650.9	676.5	746.4
30°	854.9	850.8	818.0	768.7	724.9	717.4	698.2	693.9	712.7	780.3
32.5°	966.3	963.7	924.5	864.7	806.1	797.4	765.2	753.6	768.4	831.7
35°	1059.7	1057.4	1024.9	963.4	891.7	881.0	848.2	835.2	842.7	897.5
37.5°	1144.1	1142.9	1115.1	1066.6	992.7	979.6	942.8	938.4	937.0	984.3
40°	1222.4	1219.5	1190.5	1165.0	1110.1	1098.3	1065.8	1062.0	1051.0	1091.0
42.5°	1309.1	1301.6	1259.5	1247.6	1232.9	1223.0	1203.6	1204.1	1179.8	1211.4
45°	1379.9	1375.6	1332.4	1325.4	1341.3	1337.3	1354.1	1358.5	1311.2	1337.6
47.5°	1455.9	1451.9	1415.3	1410.4	1453.6	1454.8	1514.2	1515.7	1439.4	1468.7
50°	1549.6	1543.8	1507.6	1513.7	1562.1	1566.5	1675.2	1665.4	1557.5	1601.8
52.5°	1611.4	1614.9	1607.1	1616.9	1683.1	1687.1	1833.6	1808.4	1674.4	1733.2
55°	1657.0	1663.9	1688.3	1710.9	1810.7	1814.8	1983.0	1944.4	1771.2	1855.1
57.5°	1715.6	1705.7	1751.2	1795.3	1932.0	1942.7	2128.3	2075.5	1857.1	1960.1
60°	1799.7	1792.7	1828.1	1893.4	2067.7	2084.8	2282.1	2193.6	1920.1	2043.3
62.5°	1970.2	1952.8	1958.4	2016.1	2238.9	2261.5	2455.6	2296.6	1951.4	2075.8
65°	2225.2	2195.4	2167.5	2207.5	2479.9	2502.3	2651.4	2377.5	1939.8	2012.9
67.5°	2546.4	2516.8	2482.5	2520.2	2835.0	2852.7	2893.0	2423.1	1848.4	1770.4
70°	2811.2	2800.2	2841.1	2996.3	3402.1	3402.7	3202.8	2385.4	1598.1	1255.2
72.5°	2776.1	2769.4	2985.0	3464.8	4116.9	4101.5	3496.1	2099.9	1076.5	566.2
75°	2277.4	2320.7	2654.6	3456.3	4373.6	4371.6	3316.5	1335.0	445.3	234.7
77.5°	1221.3	1289.7	1723.4	2551.9	3414.3	3465.6	2331.7	467.0	191.2	150.3
80°	398.3	458.0	686.9	1299.3	2218.6	2209.0	999.3	183.3	130.8	106.5
82.5°	169.1	176.1	306.9	613.5	1138.6	1120.9	318.2	105.3	92.0	72.8
85°	66.1	74.0	135.5	283.7	493.1	482.4	114.9	52.2	58.9	47.6
87.5°	21.8	26.4	48.4	97.2	153.5	147.9	28.1	18.0	25.5	21.8
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°
715.1	0°	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1
717.1	2.5°	721.1	725.8	731.3	739.4	746.4	752.2	758.3	762.0	763.5	767.9
718.2	5°	726.4	736.5	750.2	763.5	776.6	784.4	791.3	794.8	798.0	800.3
721.4	7.5°	735.1	748.1	769.6	787.0	798.0	804.4	809.0	807.9	809.0	809.6
724.9	10°	742.6	760.9	786.4	803.0	811.4	811.7	810.5	806.4	804.4	804.7
730.1	12.5°	751.6	771.9	799.5	813.4	815.7	809.3	804.4	797.4	794.8	793.7
738.0	15°	763.8	787.0	813.7	818.9	813.1	805.0	796.6	785.3	779.5	774.8
751.3	17.5°	778.6	804.1	824.7	820.9	808.5	795.1	781.5	764.4	752.5	747.5
769.6	20°	799.2	822.1	833.1	816.6	797.7	777.4	754.2	733.3	722.3	717.4
792.8	22.5°	824.1	846.2	841.2	809.0	782.4	749.9	720.9	705.5	700.0	696.5
822.7	25°	854.0	872.9	847.0	798.0	757.1	713.3	691.0	686.0	683.4	680.8
859.2	27.5°	892.9	903.0	851.4	781.8	717.7	674.4	666.3	667.2	666.3	662.0
910.0	30°	944.2	942.2	855.5	755.4	672.4	639.3	639.9	643.7	644.3	641.4
980.8	32.5°	1011.8	991.2	857.5	721.1	629.2	608.6	609.2	613.2	616.1	611.2
1073.3	35°	1093.6	1048.4	854.3	678.2	595.8	579.3	574.9	576.1	577.0	572.3
1185.6	37.5°	1189.1	1112.5	840.1	630.6	568.3	550.6	541.3	533.5	528.8	524.5
1312.6	40°	1293.8	1182.4	814.0	584.2	537.5	520.1	506.2	491.4	475.7	469.9
1447.2	42.5°	1403.4	1254.3	782.4	539.8	502.1	487.9	473.1	451.7	428.2	416.3
1587.0	45°	1517.1	1328.0	751.3	496.0	465.9	459.8	442.7	416.8	391.3	376.2
1727.2	47.5°	1628.5	1397.6	705.8	452.0	431.9	438.6	425.3	401.5	373.0	349.3
1866.1	50°	1735.0	1462.9	631.2	407.3	404.4	432.2	419.5	385.2	352.7	322.3
2002.4	52.5°	1840.6	1515.7	535.8	366.7	389.6	430.5	411.9	374.2	334.5	302.6
2130.7	55°	1930.2	1543.0	443.8	331.9	368.1	415.7	402.9	361.2	308.6	274.7
2218.6	57.5°	1981.3	1520.9	367.2	297.6	338.5	391.3	387.6	333.3	277.9	251.8
2235.7	60°	1959.2	1431.6	304.6	267.7	310.4	364.9	360.9	305.7	254.4	229.7
2144.0	62.5°	1837.7	1261.3	255.0	241.6	284.9	337.9	334.2	284.6	236.4	212.6
1900.6	65°	1592.8	1026.0	216.4	219.9	259.0	305.5	311.0	266.9	222.2	199.0
1470.4	67.5°	1214.9	743.2	186.2	201.0	233.8	273.5	289.5	254.1	210.3	188.3
850.8	70°	692.4	422.1	160.7	182.8	211.5	244.0	273.0	244.0	197.5	179.3
318.8	72.5°	262.5	193.8	138.9	164.5	190.0	219.0	254.7	228.0	182.8	169.1
164.8	75°	140.1	118.1	116.9	143.0	165.3	194.6	231.8	212.3	171.7	178.7
114.0	77.5°	95.4	83.5	97.8	122.4	138.4	167.7	207.4	188.6	148.8	148.2
78.9	80°	66.1	59.2	79.5	98.6	107.0	141.0	181.0	161.9	121.3	113.1
48.7	82.5°	39.7	38.6	59.5	73.7	75.7	108.8	150.0	135.8	99.2	86.4
29.0	85°	21.8	22.9	38.0	43.2	44.1	76.0	117.5	105.0	76.3	64.1
10.4	87.5°	6.1	7.8	13.9	17.1	21.2	39.5	69.9	62.4	38.3	26.7
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°
715.1
767.6
800.9
810.5
805.3
793.1
776.3
747.8
716.8
697.1
680.8
662.8
642.8
613.5
575.5
527.4
472.5
417.7
375.1
346.6
319.7
299.1
271.8
248.3
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208.9
195.2
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108.2
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64.7
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