

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: P942534

Luminaire Tested: **GALN-SB6C-830-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29798 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

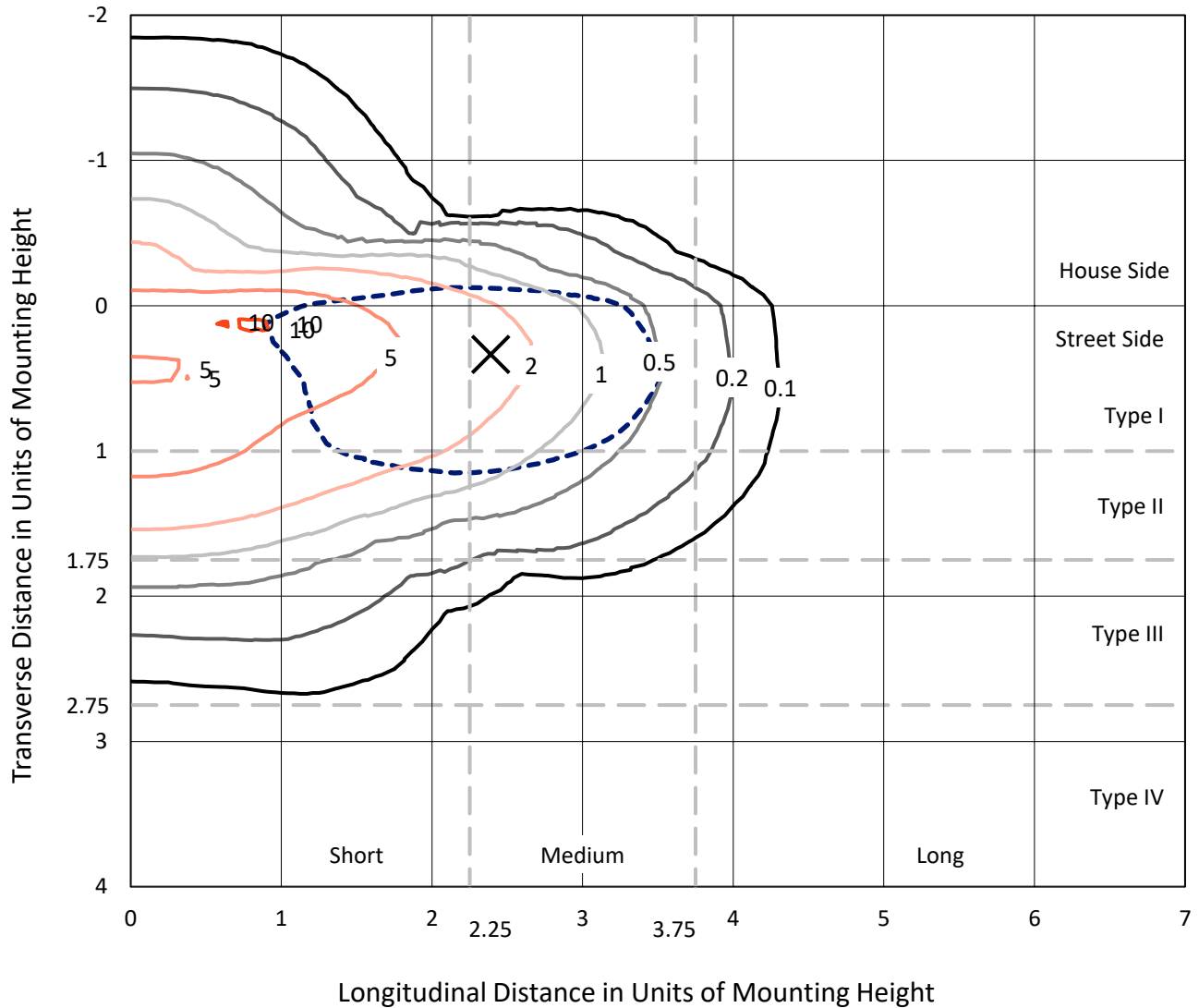
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

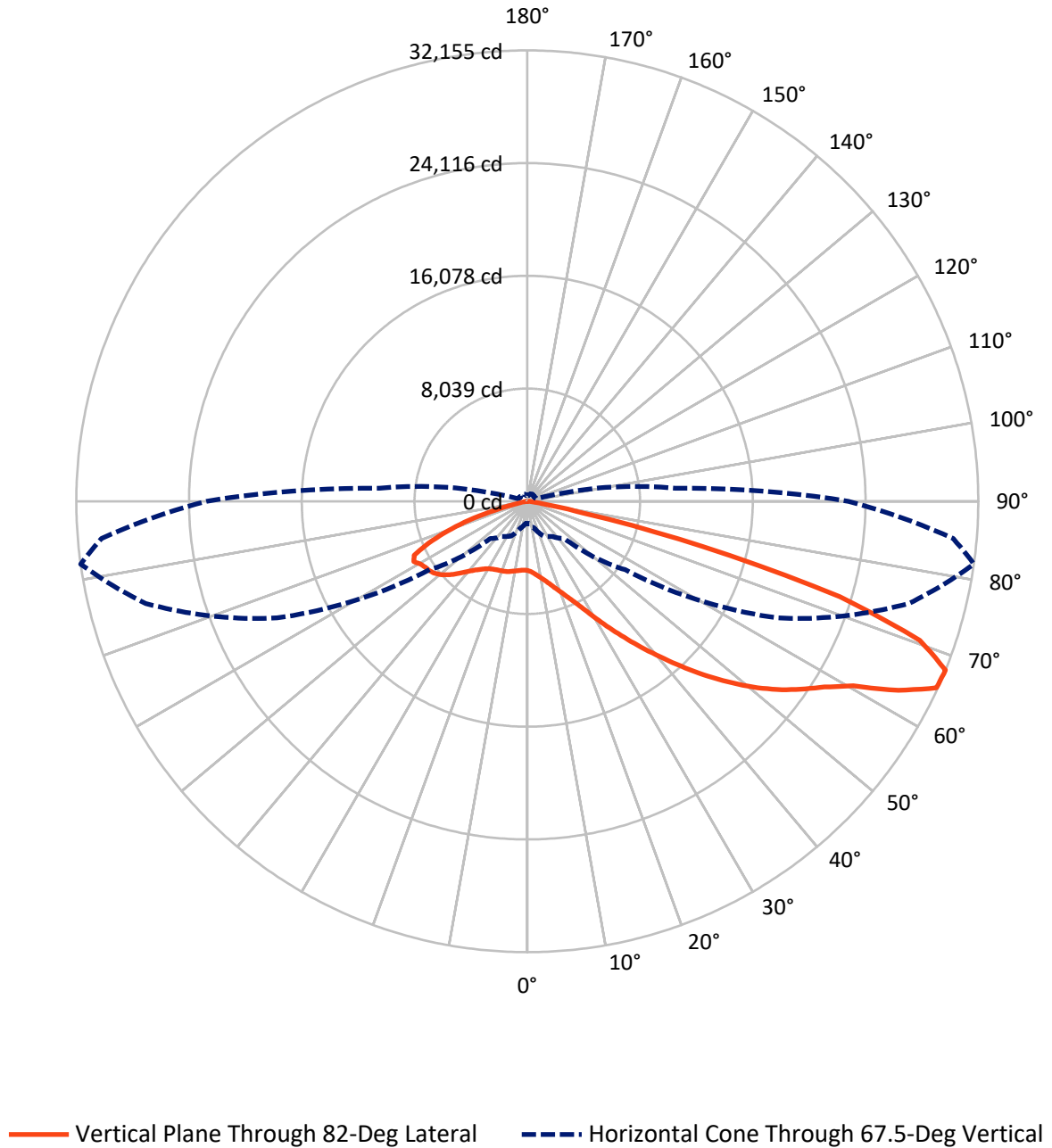
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5397.6	0.0	5397.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	24400.4	0.0	24400.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	29798.0	0.0	29798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.8	1.5
10°-20°	1142.9	3.8
20°-30°	1830.5	6.1
30°-40°	3236.9	10.9
40°-50°	5671.4	19.0
50°-60°	7564.1	25.4
60°-70°	7041.8	23.6
70°-80°	2702.6	9.1
80°-90°	167.9	0.6
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°	29798.0	100.0
0°-180°	29798.0	100.0

Coefficient of Utilization



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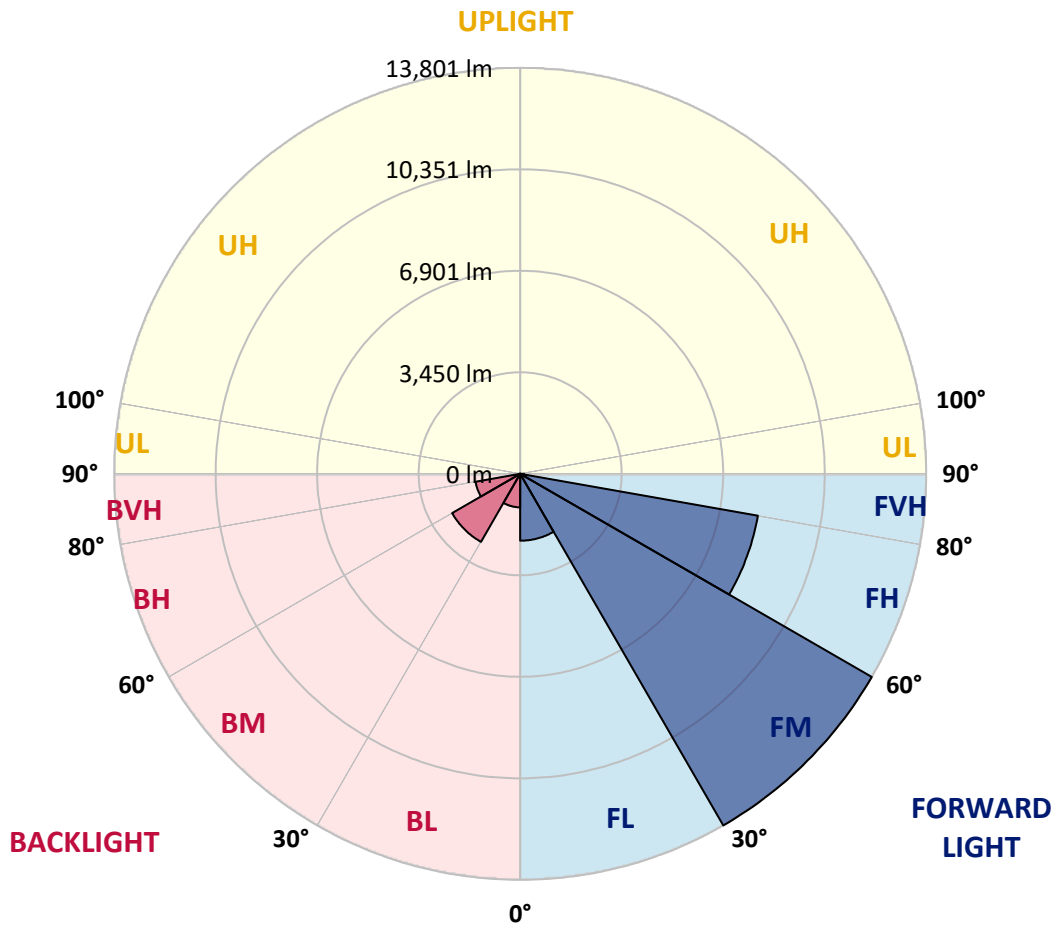
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2273.3	7.6			
FM (30°-60°)	13801.2	46.3			
FH (60°-80°)	8203.8	27.5			G4/12000
FVH (80°-90°)	122.0	0.4			G2/225
BL (0°-30°)	1140.0	3.8	B3/2500		
BM (30°-60°)	2671.3	9.0	B3/5000		
BH (60°-80°)	1540.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	45.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4936.5	4936.5	4936.5	4936.5	4936.5	4936.5	4936.5	4936.5	4936.5	4936.5
2.5°	5217.6	5247.6	5230.4	5221.9	5206.8	5185.4	5168.2	5114.6	5058.8	5022.3
5°	5322.7	5352.7	5350.6	5359.2	5369.9	5376.3	5372.0	5312.0	5232.6	5170.4
7.5°	5232.6	5266.9	5294.8	5337.7	5412.8	5492.2	5530.8	5517.9	5436.4	5350.6
10°	4977.3	5013.8	5080.3	5181.1	5339.9	5511.5	5655.2	5721.7	5670.2	5575.8
12.5°	4509.6	4546.1	4676.9	4895.8	5161.8	5460.0	5734.6	5912.7	5925.5	5831.1
15°	3984.0	4020.4	4159.9	4434.5	4840.0	5318.4	5777.5	6114.3	6228.0	6146.5
17.5°	3657.9	3690.1	3795.2	4016.2	4438.8	5035.2	5762.5	6328.9	6588.5	6524.1
20°	3559.2	3587.1	3636.4	3790.9	4142.7	4741.3	5663.8	6530.5	6976.8	6940.3
22.5°	3664.3	3690.1	3705.1	3773.7	3994.7	4548.2	5539.4	6736.5	7427.3	7431.6
25°	3906.7	3932.5	3915.3	3958.2	4054.8	4488.1	5492.2	6978.9	7993.7	8040.9
27.5°	4305.8	4307.9	4267.2	4265.0	4280.0	4578.2	5541.5	7238.5	8708.1	8796.1
30°	5106.0	5073.8	4917.2	4747.7	4670.5	4848.6	5678.8	7545.3	9551.2	9707.8
32.5°	6339.6	6292.4	6004.9	5599.4	5191.8	5284.1	5925.5	7895.0	10469.5	10752.6
35°	7678.3	7665.4	7365.1	6762.2	6050.0	5904.1	6326.7	8354.1	11471.3	11921.9
37.5°	8922.6	8916.2	8744.6	8034.4	7167.7	6768.7	6970.3	8954.8	12544.0	13196.2
40°	10059.7	10079.0	9907.4	9272.3	8399.2	7877.8	7845.7	9697.1	13736.9	14584.3
42.5°	11042.3	11063.7	10890.0	10420.1	9615.6	9105.0	8920.5	10606.8	14901.8	16075.3
45°	11709.5	11842.5	11816.8	11441.3	10864.2	10334.3	10212.0	11748.1	16229.8	17656.5
47.5°	11898.3	12020.6	12213.7	12265.1	11913.3	11392.0	11537.9	13123.3	17572.8	19239.8
50°	11432.7	11546.4	11947.6	12481.8	12726.4	12565.5	12827.2	14597.2	18948.0	20818.8
52.5°	10514.5	10630.4	11136.7	11981.9	12979.6	13485.9	14120.9	16049.6	20280.3	22314.1
55°	9186.5	9308.8	9958.9	10915.7	12496.8	13865.6	15200.0	17499.9	21501.0	23659.3
57.5°	7380.1	7470.2	8146.0	9484.7	11282.6	13488.0	15996.0	19083.2	22650.9	24980.8
60°	4809.9	4889.3	5674.5	7167.7	9270.2	12226.5	16154.7	20848.8	24178.4	26699.3
62.5°	3198.8	3252.4	3717.9	4814.2	6528.4	9804.4	15225.8	22258.3	26418.2	29689.9
65°	2194.7	2248.4	2713.9	3477.7	4217.8	6485.5	12554.8	22071.7	28447.7	32064.9
67.5°	1566.1	1611.2	2005.9	2726.8	3052.9	3767.3	8510.7	19686.0	28156.0	32155.0
70°	1122.0	1147.8	1473.9	2123.9	2426.4	2263.4	4732.7	15056.3	24652.6	29692.1
72.5°	785.2	793.8	1023.3	1617.6	1954.4	1651.9	2252.6	10038.2	18645.5	23305.3
75°	532.1	542.8	688.7	1186.4	1568.3	1261.5	1192.8	5382.8	10945.7	12900.2
77.5°	326.1	330.4	444.1	811.0	1173.5	961.1	768.0	2280.5	4235.0	4157.7
80°	184.5	184.5	283.2	504.2	800.2	620.0	538.5	969.7	1340.9	1177.8
82.5°	103.0	105.1	206.0	313.2	529.9	366.9	296.1	448.4	579.3	512.7
85°	42.9	47.2	126.6	148.0	253.2	182.4	120.1	188.8	214.5	190.9
87.5°	4.3	6.4	38.6	27.9	30.0	36.5	17.2	36.5	30.0	30.0
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°
4936.5	0°	4936.5	4936.5	4936.5	4936.5	4936.5	4936.5	4936.5	4936.5	4936.5	4936.5
5009.5	2.5°	4968.7	4936.5	4855.0	4760.6	4636.2	4576.1	4494.6	4438.8	4391.6	4395.9
5133.9	5°	5065.2	4983.7	4801.4	4574.0	4290.8	4089.1	3874.6	3726.5	3606.4	3580.6
5305.5	7.5°	5198.3	5069.5	4749.9	4340.1	3861.7	3499.1	3175.2	2967.1	2819.0	2771.8
5513.6	10°	5369.9	5183.2	4683.4	4046.2	3357.5	2896.3	2548.7	2385.7	2284.8	2250.5
5758.2	12.5°	5569.4	5314.1	4595.4	3687.9	2838.3	2394.2	2173.3	2091.7	2059.6	2048.8
6058.6	15°	5820.4	5477.2	4462.4	3263.1	2398.5	2087.5	1993.1	1982.3	1986.6	1982.3
6419.0	17.5°	6118.6	5655.2	4245.7	2825.5	2102.5	1930.8	1896.5	1905.1	1915.8	1913.7
6822.3	20°	6444.7	5831.1	3969.0	2437.2	1900.8	1819.3	1800.0	1808.6	1817.1	1812.8
7287.9	22.5°	6815.9	6019.9	3662.2	2134.7	1765.6	1716.3	1694.9	1697.0	1697.0	1688.4
7877.8	25°	7260.0	6228.0	3340.4	1920.1	1662.7	1624.1	1598.3	1589.7	1576.9	1551.1
8594.4	27.5°	7789.9	6449.0	3031.4	1769.9	1581.1	1544.7	1514.6	1493.2	1461.0	1418.1
9454.7	30°	8386.3	6717.2	2769.7	1675.5	1516.8	1480.3	1446.0	1413.8	1366.6	1313.0
10443.7	32.5°	9087.8	7004.7	2578.7	1613.3	1458.9	1420.2	1379.5	1340.9	1289.4	1235.7
11555.0	35°	9924.5	7352.2	2467.2	1570.4	1413.8	1362.3	1317.3	1274.4	1235.7	1188.5
12762.9	37.5°	10832.0	7721.2	2432.9	1549.0	1383.8	1304.4	1252.9	1222.9	1218.6	1190.7
14069.4	40°	11825.3	8158.9	2458.6	1536.1	1351.6	1248.6	1192.8	1186.4	1197.1	1147.8
15466.0	42.5°	12876.6	8678.1	2501.5	1521.1	1306.5	1192.8	1139.2	1139.2	1130.6	1062.0
16942.1	45°	14013.6	9276.6	2544.4	1484.6	1252.9	1137.1	1096.3	1081.3	1044.8	978.3
18426.7	47.5°	15159.3	9885.9	2576.6	1418.1	1188.5	1089.9	1053.4	1019.1	965.4	905.4
19883.4	50°	16247.0	10433.0	2542.3	1319.4	1115.6	1044.8	1006.2	959.0	901.1	860.3
21262.9	52.5°	17218.8	10907.1	2396.4	1203.6	1038.4	997.6	963.3	913.9	866.7	823.8
22507.2	55°	18064.1	11291.1	2138.9	1094.1	969.7	956.8	922.5	860.3	795.9	759.5
23740.8	57.5°	18875.1	11582.9	1817.1	1004.0	907.5	911.8	860.3	804.5	744.4	705.8
25403.4	60°	19954.2	11973.4	1491.0	920.4	841.0	853.9	798.1	757.3	682.2	632.9
28254.7	62.5°	21679.1	12580.5	1184.2	817.4	763.8	768.0	744.4	695.1	605.0	547.1
30367.9	65°	23047.8	12357.4	933.2	705.8	675.8	682.2	682.2	628.6	532.1	465.5
30481.6	67.5°	22893.4	10581.0	744.4	596.4	592.1	596.4	611.4	566.4	472.0	418.3
28160.3	70°	21089.1	8416.3	596.4	495.6	514.9	504.2	547.1	517.0	424.8	371.2
21831.4	72.5°	17208.1	6062.8	454.8	409.8	394.7	411.9	493.4	465.5	354.0	293.9
11563.6	75°	10055.4	3235.2	339.0	324.0	285.3	343.3	437.7	396.9	270.3	216.7
3544.2	77.5°	3273.9	1128.5	248.9	238.1	212.4	276.8	373.3	334.7	221.0	171.6
1038.4	80°	877.5	341.1	169.5	156.6	137.3	206.0	296.1	266.0	158.8	111.6
446.2	82.5°	351.8	143.7	98.7	88.0	75.1	141.6	233.8	214.5	118.0	70.8
139.4	85°	113.7	47.2	36.5	27.9	34.3	88.0	139.4	145.9	83.7	36.5
21.5	87.5°	15.0	6.4	6.4	8.6	6.4	15.0	42.9	40.8	23.6	4.3
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>
4936.5
4353.0
3522.7
2724.6
2224.8
2042.4
1980.2
1909.4
1810.7
1684.1
1546.8
1413.8
1308.7
1237.9
1184.2
1188.5
1149.9
1062.0
976.1
903.2
853.9
819.5
755.2
701.5
626.5
542.8
459.1
409.8
364.7
287.5
210.2
165.2
109.4
70.8
27.9
0.0
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