

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: P942492

Luminaire Tested: **GALN-SB6C-740-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-740-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47627 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

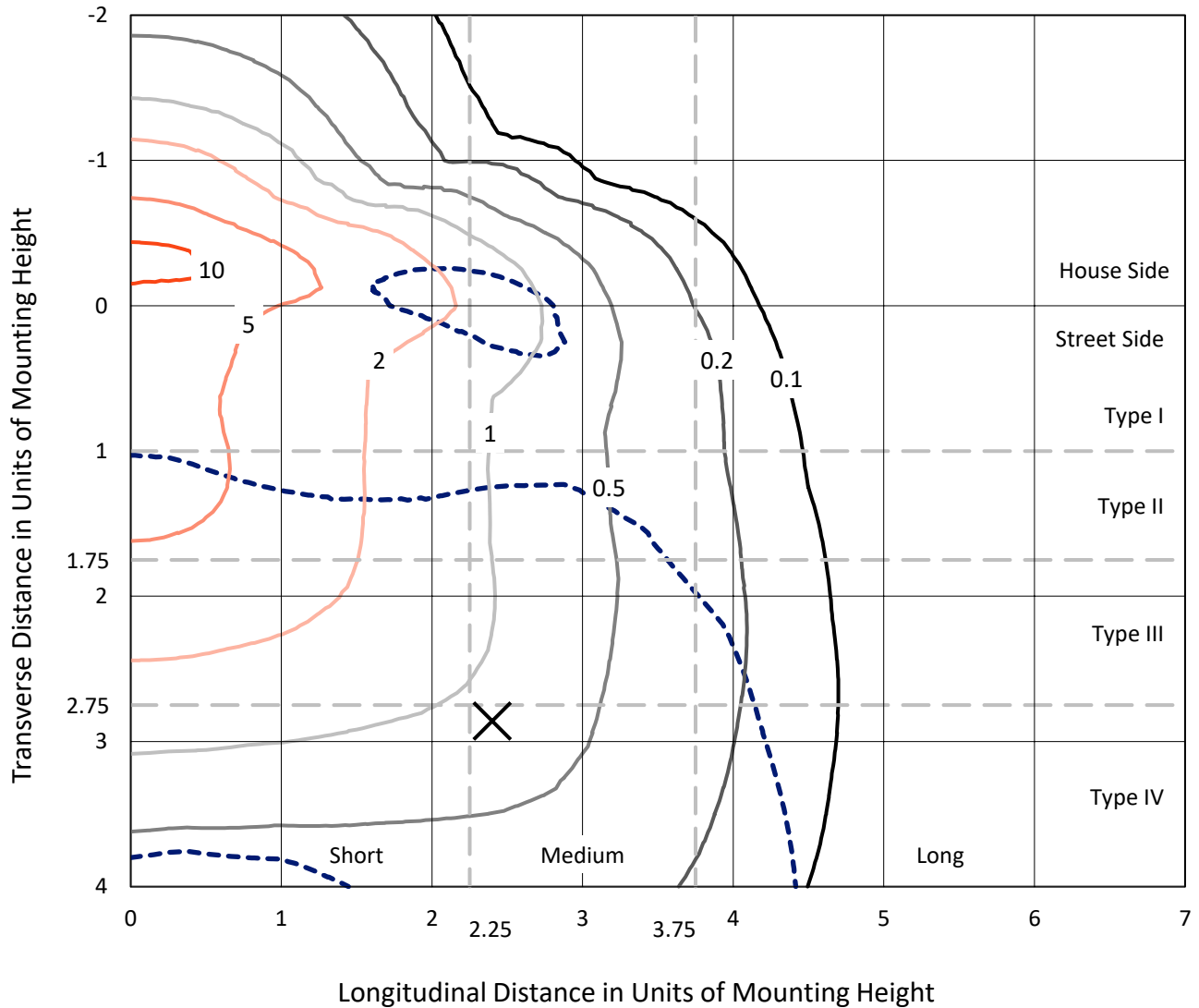
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

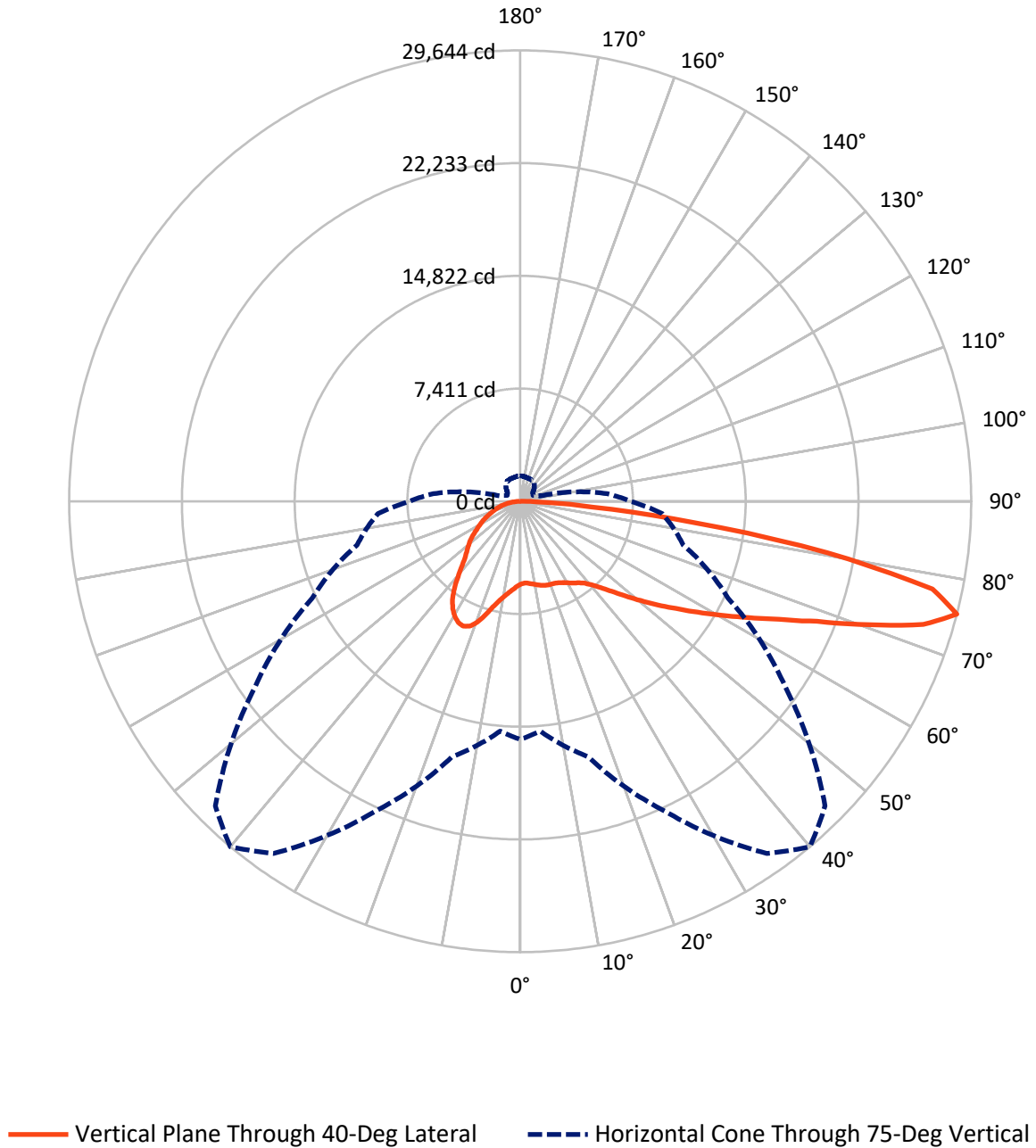
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14756.4	0.0	14756.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	32870.6	0.0	32870.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	47627.0	0.0	47627.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.6	1.1
10°-20°	1825.2	3.8
20°-30°	3332.7	7.0
30°-40°	4726.7	9.9
40°-50°	6382.5	13.4
50°-60°	8586.2	18.0
60°-70°	10897.8	22.9
70°-80°	9890.5	20.8
80°-90°	1441.7	3.0
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°	47627.0	100.0
0°-180°	47627.0	100.0

Coefficient of Utilization



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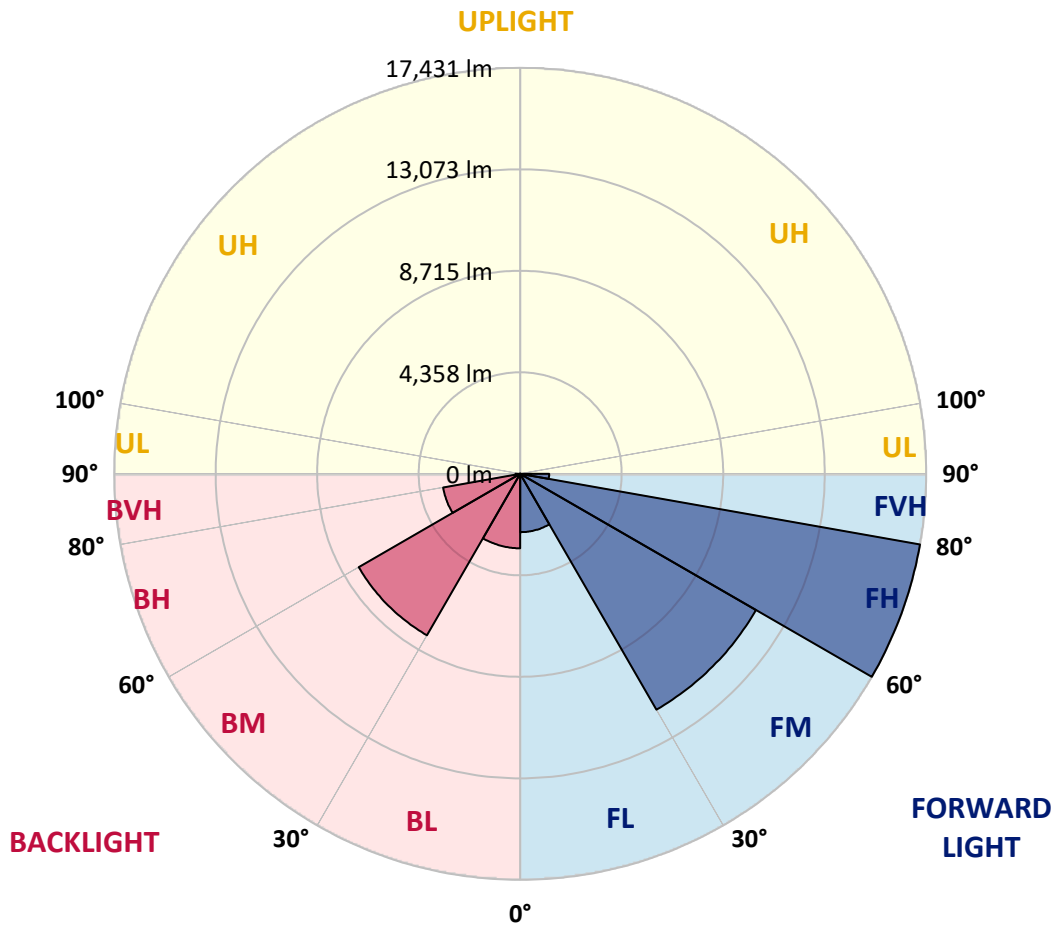
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2505.2	5.3			
FM (30°-60°)	11691.4	24.5			
FH (60°-80°)	17430.8	36.6			G5
FVH (80°-90°)	1243.2	2.6			G5
BL (0°-30°)	3196.4	6.7	B4/5000		
BM (30°-60°)	8004.0	16.8	B4/8500		
BH (60°-80°)	3357.5	7.0	B4/5000		G4/5000
BVH (80°-90°)	198.5	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5446.2	5446.2	5446.2	5446.2	5446.2	5446.2	5446.2	5446.2	5446.2	5446.2
2.5°	5362.9	5393.2	5385.6	5375.5	5375.5	5378.0	5375.5	5393.2	5410.8	5428.5
5°	5418.4	5448.7	5433.6	5421.0	5410.8	5408.3	5400.7	5398.2	5408.3	5431.1
7.5°	5527.0	5557.4	5534.6	5511.9	5491.7	5481.6	5471.5	5456.3	5448.7	5461.4
10°	5648.3	5678.6	5650.8	5610.4	5577.6	5564.9	5554.8	5539.7	5529.6	5537.1
12.5°	5769.5	5799.9	5762.0	5706.4	5663.5	5655.9	5643.2	5638.2	5635.7	5633.1
15°	5883.2	5908.5	5860.5	5794.8	5749.3	5736.7	5724.1	5731.7	5744.3	5759.4
17.5°	5971.6	5996.9	5926.2	5840.3	5797.3	5792.3	5784.7	5810.0	5845.3	5883.2
20°	6052.5	6077.7	5986.8	5870.6	5820.1	5820.1	5822.6	5875.6	5926.2	5981.7
22.5°	6166.1	6186.3	6075.2	5916.1	5842.8	5847.9	5868.1	5921.1	5984.3	6060.0
25°	6335.4	6350.5	6214.1	6001.9	5918.6	5933.7	5951.4	5976.7	6037.3	6125.7
27.5°	6608.2	6620.8	6441.5	6153.5	6027.2	6052.5	6077.7	6060.0	6087.8	6163.6
30°	6992.2	6999.7	6772.4	6391.0	6211.6	6224.2	6229.3	6156.0	6103.0	6163.6
32.5°	7446.9	7444.3	7174.0	6678.9	6421.3	6408.6	6365.7	6221.7	6097.9	6151.0
35°	8151.6	8123.8	7775.2	7083.1	6658.7	6580.4	6479.4	6295.0	6123.2	6138.4
37.5°	9318.7	9232.8	8750.3	7744.9	7012.4	6812.8	6663.8	6413.7	6178.8	6133.3
40°	10634.8	10526.1	9995.7	8651.8	7542.9	7222.0	6982.1	6582.9	6269.7	6156.0
42.5°	12195.9	12041.8	11470.9	9720.3	8214.8	7750.0	7388.8	6797.7	6403.6	6229.3
45°	14113.2	13908.6	13100.2	10925.3	9061.0	8442.1	7959.7	7123.5	6608.2	6370.8
47.5°	16050.7	16101.2	14951.8	12304.5	10076.5	9295.9	8674.5	7613.6	6906.3	6598.1
50°	18109.4	18144.8	16793.3	13832.8	11228.4	10260.9	9477.8	8161.7	7320.6	6921.4
52.5°	19716.0	19721.0	18465.6	15431.8	12428.3	11321.9	10344.3	8788.2	7800.5	7350.9
55°	20721.4	20708.7	19637.7	16944.9	13807.5	12435.9	11304.2	9500.6	8386.6	7856.1
57.5°	21451.4	21413.5	20446.0	18245.8	15277.7	13751.9	12390.4	10308.9	9078.7	8457.3
60°	21729.3	21706.5	20994.2	19369.9	16823.6	15207.0	13643.3	11213.2	9864.3	9167.1
62.5°	21835.4	21878.3	21532.2	20458.7	18478.2	16818.6	15020.0	12294.4	10748.4	9970.4
65°	22209.2	22287.5	22216.8	21883.4	20347.5	18705.6	16846.4	13580.2	11713.4	10831.8
67.5°	22949.4	23027.7	23058.0	23588.5	22631.1	21057.3	19124.9	15181.7	12842.5	11726.0
70°	22931.7	22908.9	23444.5	24945.0	25490.6	24313.4	22196.6	17152.0	14188.9	12468.7
72.5°	20872.9	20691.1	21956.6	24929.8	27870.2	27713.5	25947.8	19693.3	15350.9	12559.6
75°	15659.1	15174.1	17409.7	22466.9	28266.7	29643.5	28332.4	21269.5	15075.6	11097.0
77.5°	6696.6	6209.1	8843.8	16631.7	25298.6	27711.0	26144.8	18556.5	12034.2	7338.2
80°	1753.1	1750.6	2672.6	7540.3	17205.1	20463.7	17952.8	11983.7	6876.0	2622.1
82.5°	725.0	707.3	982.6	2932.8	8406.8	11483.5	9371.7	5345.2	2483.1	709.8
85°	270.3	267.8	477.4	1013.0	2965.6	4736.4	3427.9	1366.6	618.9	346.1
87.5°	75.8	73.3	103.6	351.1	722.5	1096.3	586.0	224.8	174.3	136.4
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°
5446.2	0°	5446.2	5446.2	5446.2	5446.2	5446.2	5446.2	5446.2	5446.2	5446.2	5446.2
5456.3	2.5°	5463.9	5476.5	5499.3	5516.9	5539.7	5564.9	5600.3	5623.0	5645.8	5660.9
5468.9	5°	5486.6	5514.4	5572.5	5630.6	5698.8	5762.0	5835.2	5888.3	5931.2	5943.8
5514.4	7.5°	5537.1	5582.6	5681.1	5779.7	5888.3	5991.8	6097.9	6188.9	6262.1	6289.9
5595.2	10°	5625.6	5686.2	5825.1	5964.1	6108.0	6267.2	6403.6	6534.9	6638.5	6681.5
5691.2	12.5°	5736.7	5812.5	5994.4	6186.3	6385.9	6605.7	6782.5	6944.2	7073.0	7131.1
5825.1	15°	5880.7	5979.2	6211.6	6469.3	6762.3	7067.9	7292.8	7472.1	7616.1	7686.8
5964.1	17.5°	6037.3	6168.7	6461.7	6850.7	7270.0	7671.7	7934.4	8065.7	8214.8	8283.0
6092.9	20°	6188.9	6350.5	6769.9	7335.7	7894.0	8320.9	8533.1	8568.4	8578.5	8586.1
6214.1	22.5°	6345.5	6562.7	7156.4	7947.0	8545.7	8841.3	8871.6	8720.0	8507.8	8409.3
6332.9	25°	6517.3	6805.2	7661.6	8621.5	9106.5	9141.9	8909.5	8540.6	8139.0	7954.6
6428.9	27.5°	6684.0	7085.6	8267.8	9265.6	9510.7	9200.0	8699.8	8176.9	7691.9	7497.4
6497.1	30°	6850.7	7406.4	8937.2	9828.9	9695.1	9056.0	8368.9	7785.4	7297.8	7093.2
6557.7	32.5°	7020.0	7780.3	9707.7	10235.6	9662.2	8750.3	7957.1	7345.8	6916.4	6701.7
6610.7	35°	7211.9	8240.0	10437.7	10457.9	9442.5	8300.7	7414.0	6820.4	6446.5	6274.8
6673.9	37.5°	7462.0	8823.6	11081.9	10513.5	9058.5	7641.4	6739.6	6199.0	5890.8	5812.5
6767.3	40°	7772.7	9525.8	11574.5	10425.1	8490.1	6840.6	6001.9	5570.0	5395.7	5413.4
6893.7	42.5°	8176.9	10311.4	11920.5	10197.8	7699.5	6014.6	5355.3	5163.3	5246.7	5317.4
7083.1	45°	8702.3	11127.3	12135.2	9811.3	6805.2	5314.9	4973.8	5019.3	5082.5	5090.0
7388.8	47.5°	9374.3	11953.4	12276.7	9227.7	5893.3	4822.3	4731.3	4741.4	4728.8	4675.8
7846.0	50°	10212.9	12756.7	12403.0	8454.8	5117.8	4514.1	4392.8	4357.5	4183.2	4011.4
8454.8	52.5°	11167.8	13494.3	12456.1	7494.9	4514.1	4256.4	4059.4	3837.1	3511.2	3458.2
9220.2	55°	12228.7	14176.3	12319.7	6315.2	4006.3	3925.5	3627.4	3359.7	3324.3	3278.8
10228.1	57.5°	13496.8	14911.4	12041.8	4999.1	3486.0	3539.0	3248.5	3278.8	3215.7	3145.0
11523.9	60°	14883.6	15671.7	11554.3	3799.2	2947.9	3056.5	3150.0	3147.5	3129.8	3071.7
12890.5	62.5°	16131.5	16171.9	10594.3	2910.0	2475.6	2682.7	2937.8	2935.3	2920.1	2887.3
14317.8	65°	16874.2	16096.1	8992.8	2291.1	2086.5	2374.5	2649.8	2670.1	2672.6	2670.1
15391.4	67.5°	16742.8	15209.5	6795.1	1823.8	1765.7	2061.3	2364.4	2392.2	2412.4	2417.5
15527.8	70°	15257.5	13261.9	4430.7	1455.0	1480.3	1785.9	2094.1	2121.9	2139.6	2159.8
13474.1	72.5°	11892.7	9750.6	2536.2	1177.1	1230.2	1548.5	1826.3	1859.2	1869.3	1907.2
9376.8	75°	7247.3	5734.2	1369.1	927.1	1010.4	1323.7	1561.1	1599.0	1616.7	1662.2
4605.0	77.5°	3445.6	2483.1	780.6	722.5	813.4	1081.2	1318.6	1361.6	1313.6	1338.8
1270.6	80°	1164.5	922.0	492.6	550.7	621.4	843.7	1055.9	1098.8	997.8	992.7
421.9	82.5°	406.7	373.9	313.2	366.3	401.6	603.7	798.2	853.8	742.7	740.1
189.5	85°	159.1	151.6	174.3	199.6	240.0	371.3	525.4	553.2	457.2	368.8
55.6	87.5°	32.8	35.4	42.9	45.5	73.3	128.8	189.5	232.4	184.4	156.6
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>
5446.2
5650.8
5948.9
6292.4
6684.0
7131.1
7681.8
8280.5
8606.3
8437.1
7982.4
7520.1
7115.9
6729.5
6312.7
5868.1
5474.0
5383.1
5140.6
4716.2
4034.1
3475.9
3286.4
3132.3
3051.5
2874.7
2670.1
2422.5
2169.9
1922.3
1667.2
1318.6
982.6
704.8
363.8
144.0
0.0

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