

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: P948518

Luminaire Tested: **GALN-SB3C-750-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-750-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20128 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

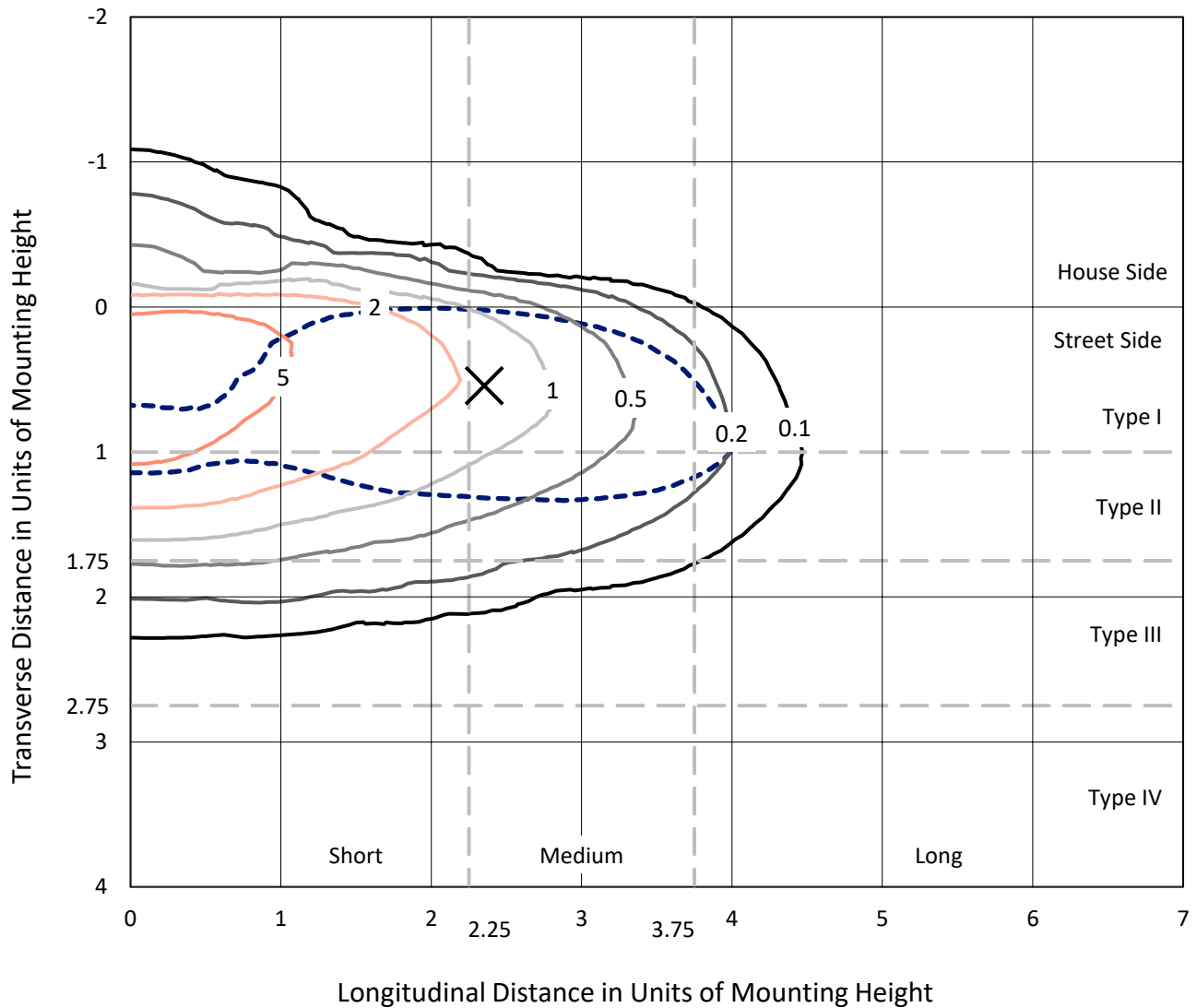
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

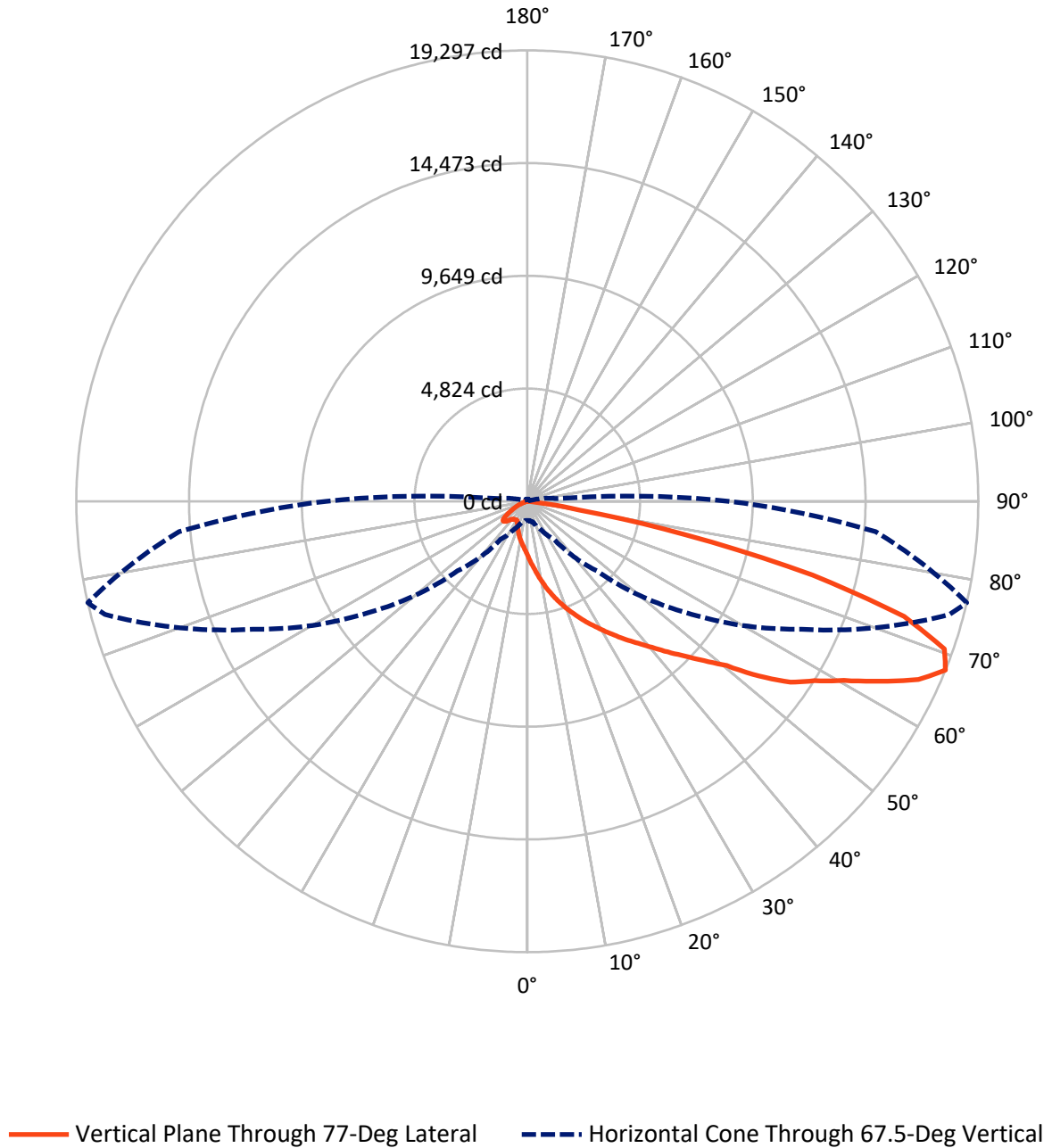
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	1480.8	0.0	1480.8
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	18647.2	0.0	18647.2
	% Fixture	92.6	0.0	92.6
Total	Lumens	20128.0	0.0	20128.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.9	1.2
10°-20°	829.6	4.1
20°-30°	1600.9	8.0
30°-40°	2779.3	13.8
40°-50°	4035.3	20.0
50°-60°	4634.1	23.0
60°-70°	4023.2	20.0
70°-80°	1895.0	9.4
80°-90°	93.7	0.5
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°	20128.0	100.0
0°-180°	20128.0	100.0

Coefficient of Utilization



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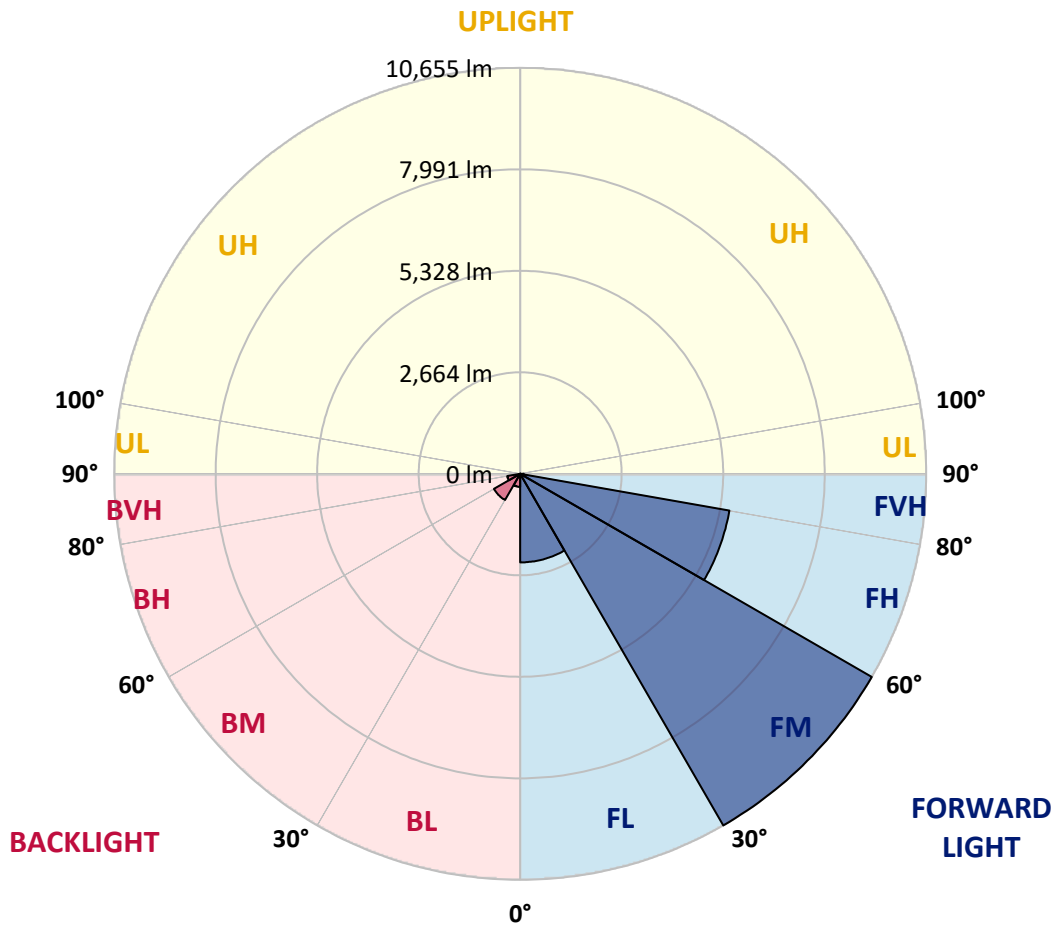
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2324.6	11.5			
FM (30°-60°)	10655.2	52.9			
FH (60°-80°)	5575.4	27.7			G3/7500
FVH (80°-90°)	92.0	0.5			G1/100
BL (0°-30°)	342.8	1.7	B1/500		
BM (30°-60°)	793.4	3.9	B1/1000		
BH (60°-80°)	342.8	1.7	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1
2.5°	3213.5	3233.5	3204.7	3149.7	3067.2	3013.5	2882.3	2758.5	2621.0	2577.3
5°	3917.2	3934.7	3902.2	3842.2	3732.2	3627.2	3454.7	3196.0	2927.3	2841.0
7.5°	4438.4	4448.4	4435.9	4380.9	4275.9	4157.1	3964.7	3658.4	3259.7	3164.7
10°	4813.3	4845.8	4842.1	4820.8	4750.8	4654.6	4449.6	4100.9	3632.2	3509.7
12.5°	5062.1	5098.3	5119.6	5167.1	5163.3	5102.1	4922.1	4553.4	4003.4	3859.7
15°	5134.6	5173.3	5254.6	5364.5	5462.0	5493.3	5367.0	4997.1	4412.1	4228.4
17.5°	5093.3	5153.3	5250.8	5424.5	5638.3	5779.5	5765.8	5425.8	4783.3	4573.4
20°	5184.6	5242.1	5318.3	5464.5	5713.3	5969.5	6072.0	5835.8	5152.1	4932.1
22.5°	5689.5	5679.5	5687.0	5710.8	5859.5	6113.2	6324.5	6208.2	5517.0	5292.1
25°	6489.5	6444.5	6368.2	6239.5	6202.0	6324.5	6544.4	6538.2	5902.0	5660.8
27.5°	7406.9	7399.4	7220.6	6910.7	6735.7	6688.2	6793.2	6859.4	6283.2	6025.7
30°	8285.6	8305.5	8064.3	7719.3	7398.1	7211.9	7116.9	7164.4	6670.7	6419.5
32.5°	9050.5	9071.7	8809.3	8405.5	8008.1	7783.1	7583.1	7465.6	7093.2	6819.4
35°	9696.7	9717.9	9416.7	8970.5	8546.8	8343.0	8116.8	7795.6	7518.1	7263.1
37.5°	10274.1	10267.9	9864.2	9414.2	8998.0	8836.8	8718.0	8201.8	7955.6	7709.3
40°	10615.4	10641.6	10296.6	9800.4	9396.7	9279.2	9271.7	8705.5	8460.5	8221.8
42.5°	10715.3	10761.6	10511.6	10104.1	9737.9	9610.4	9806.7	9250.5	9048.0	8815.5
45°	10535.4	10580.4	10466.6	10184.1	9970.4	9887.9	10266.6	9815.4	9675.4	9445.5
47.5°	10010.4	10066.7	10094.1	10034.2	10031.7	10115.4	10679.1	10410.4	10420.4	10185.4
50°	8994.2	9089.2	9341.7	9554.2	9882.9	10295.4	11080.3	11055.3	11260.3	11057.8
52.5°	7146.9	7281.9	8151.8	8733.0	9471.7	10261.6	11521.5	12090.2	12733.9	12437.7
55°	5743.3	5743.3	6450.7	7538.1	8669.3	10039.2	11714.0	12762.7	13737.6	13667.6
57.5°	4682.1	4738.4	5189.6	6150.7	7508.1	9509.2	11832.8	13185.1	14546.3	14495.0
60°	2889.8	3011.0	3863.4	4812.1	6187.0	8565.5	11757.8	13612.6	15527.4	15568.7
62.5°	1627.4	1672.4	2052.3	3462.2	4810.8	7296.9	11184.1	13851.3	16782.3	16957.3
65°	1123.7	1146.2	1292.4	2154.8	3334.7	5809.5	10062.9	13702.6	18039.7	18393.4
67.5°	816.2	827.4	918.7	1316.1	1978.6	4212.1	8305.5	12952.7	18705.9	19297.1
70°	627.4	634.9	701.2	864.9	1168.7	2599.8	6032.0	11461.5	18223.5	18929.7
72.5°	510.0	517.5	568.7	639.9	774.9	1537.4	3655.9	9308.0	16093.6	16856.1
75°	430.0	440.0	486.2	532.5	607.4	987.4	1714.9	6482.0	12102.7	12602.7
77.5°	238.7	220.0	395.0	441.2	512.5	624.9	802.4	3814.7	6778.2	6916.9
80°	148.7	153.7	313.7	355.0	393.7	315.0	367.5	1468.6	2349.8	2232.3
82.5°	8.7	20.0	241.2	256.2	270.0	135.0	138.7	498.7	566.2	520.0
85°	0.0	0.0	110.0	88.7	93.7	38.7	40.0	116.2	76.2	82.5
87.5°	0.0	0.0	0.0	2.5	0.0	3.7	7.5	10.0	3.7	5.0
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°
2321.1	0°	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1	2321.1
2439.8	2.5°	2352.3	2264.8	2087.3	1913.6	1772.4	1641.1	1547.4	1458.6	1413.6	1411.1
2597.3	5°	2423.5	2239.8	1884.8	1571.1	1318.6	1116.2	984.9	891.2	843.7	827.4
2791.0	7.5°	2523.5	2247.3	1707.4	1271.1	973.7	799.9	724.9	694.9	684.9	673.7
3009.7	10°	2649.8	2264.8	1548.6	1023.7	767.4	679.9	649.9	637.4	629.9	622.4
3256.0	12.5°	2791.0	2281.1	1391.1	849.9	674.9	629.9	608.7	593.7	583.7	575.0
3508.5	15°	2928.5	2291.1	1227.4	728.7	627.4	591.2	568.7	552.5	538.7	528.7
3755.9	17.5°	3064.7	2304.8	1073.7	656.2	588.7	552.5	530.0	510.0	498.7	487.5
4015.9	20°	3216.0	2302.3	928.7	604.9	550.0	513.7	490.0	471.2	460.0	447.5
4290.9	22.5°	3356.0	2289.8	801.2	561.2	510.0	475.0	448.7	430.0	418.7	408.7
4572.1	25°	3517.2	2279.8	694.9	521.2	472.5	437.5	408.7	391.2	378.7	370.0
4854.6	27.5°	3672.2	2264.8	617.4	485.0	436.2	402.5	375.0	355.0	343.7	337.5
5145.8	30°	3824.7	2261.1	588.7	450.0	403.7	370.0	342.5	323.7	315.0	312.5
5465.8	32.5°	4008.4	2271.1	601.2	437.5	373.7	340.0	313.7	300.0	291.2	291.2
5822.0	35°	4204.6	2268.6	619.9	448.7	353.7	310.0	290.0	281.2	272.5	272.5
6217.0	37.5°	4450.9	2272.3	634.9	467.5	346.2	285.0	273.7	262.5	257.5	257.5
6649.4	40°	4818.3	2396.0	627.4	483.7	343.7	267.5	245.0	241.2	237.5	237.5
7138.1	42.5°	5268.3	2664.8	637.4	485.0	342.5	255.0	225.0	232.5	223.7	222.5
7689.4	45°	5760.8	2958.5	701.2	458.7	341.2	248.7	215.0	223.7	210.0	210.0
8328.0	47.5°	6249.5	3249.7	766.2	421.2	337.5	247.5	206.2	201.2	197.5	198.7
9160.5	50°	6923.2	3487.2	791.2	370.0	328.7	245.0	190.0	191.2	188.7	191.2
10334.1	52.5°	7656.9	3537.2	761.2	312.5	303.7	237.5	178.7	183.7	182.5	185.0
11160.3	55°	8114.3	3483.5	628.7	260.0	265.0	207.5	167.5	177.5	177.5	177.5
11967.7	57.5°	8586.8	3254.7	446.2	211.2	220.0	170.0	157.5	171.2	170.0	168.7
12940.2	60°	8926.7	2884.8	293.7	173.7	175.0	140.0	146.2	161.2	160.0	153.7
13942.6	62.5°	9180.5	2476.0	188.7	147.5	133.7	126.2	133.7	146.2	141.2	127.5
14792.5	65°	9151.7	1909.8	145.0	126.2	110.0	110.0	116.2	127.5	112.5	90.0
14955.0	67.5°	8618.0	1292.4	120.0	106.2	92.5	91.2	96.2	106.2	96.2	76.2
14122.6	70°	7664.4	844.9	96.2	82.5	73.7	67.5	77.5	91.2	81.2	61.2
12022.7	72.5°	6220.7	515.0	72.5	60.0	53.7	43.7	61.2	75.0	65.0	45.0
8360.5	75°	4024.7	262.5	50.0	38.7	28.7	26.2	45.0	56.2	45.0	27.5
3709.7	77.5°	1539.9	110.0	27.5	17.5	15.0	12.5	25.0	33.7	18.7	6.2
718.7	80°	296.2	46.2	13.7	8.7	7.5	5.0	3.7	2.5	0.0	0.0
127.5	82.5°	51.2	15.0	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
25.0	85°	17.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.7	87.5°	6.2	0.0	0.0	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>
2321.1
1408.6
824.9
671.2
619.9
572.5
527.5
486.2
446.2
407.5
368.7
337.5
311.2
291.2
272.5
257.5
237.5
221.2
210.0
198.7
191.2
185.0
177.5
168.7
153.7
125.0
87.5
73.7
58.7
42.5
23.7
5.0
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