

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: P952508

Luminaire Tested: **GALN-SB6B-830-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952508
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-SB6B-830-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA 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: 25979 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

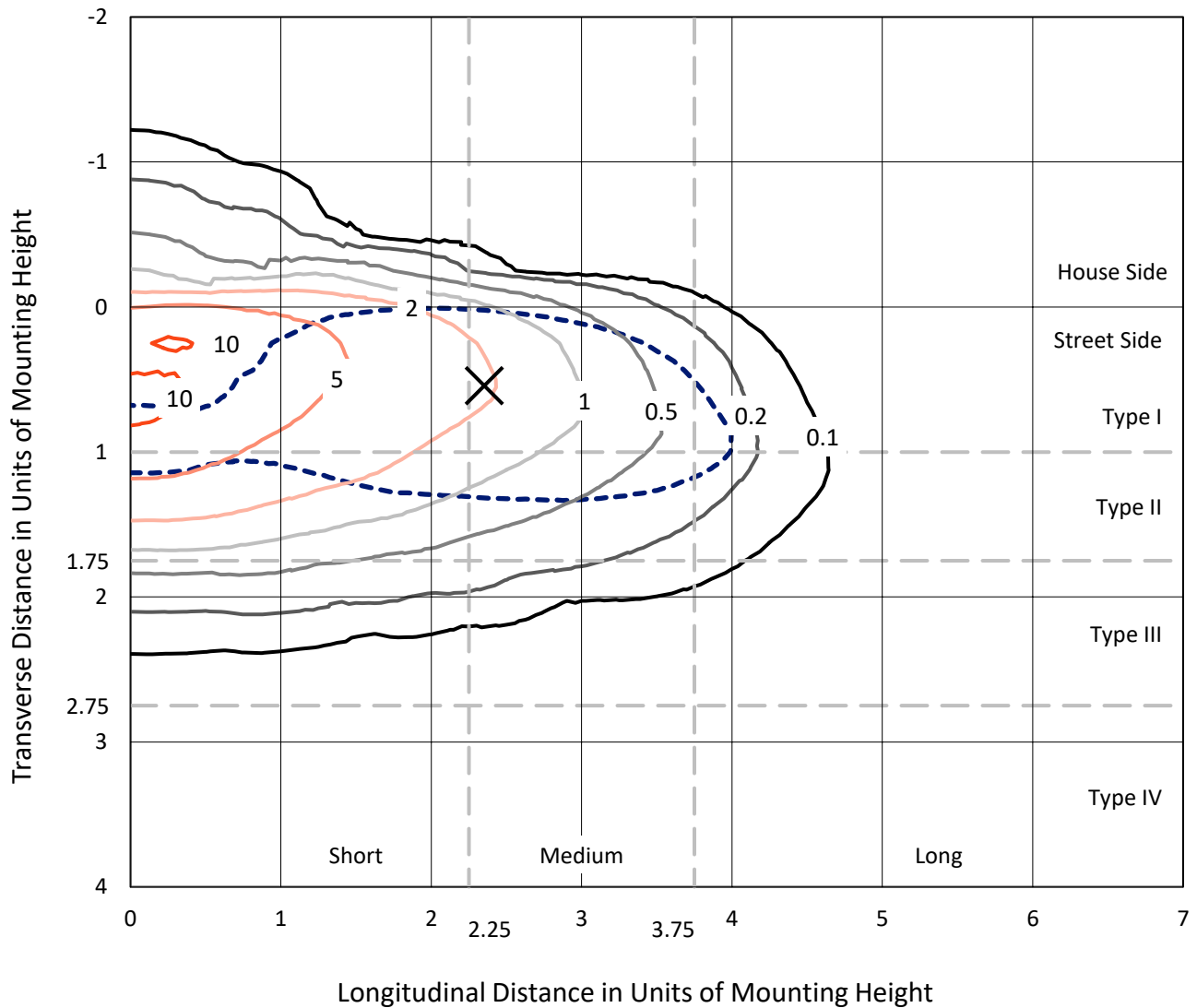
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

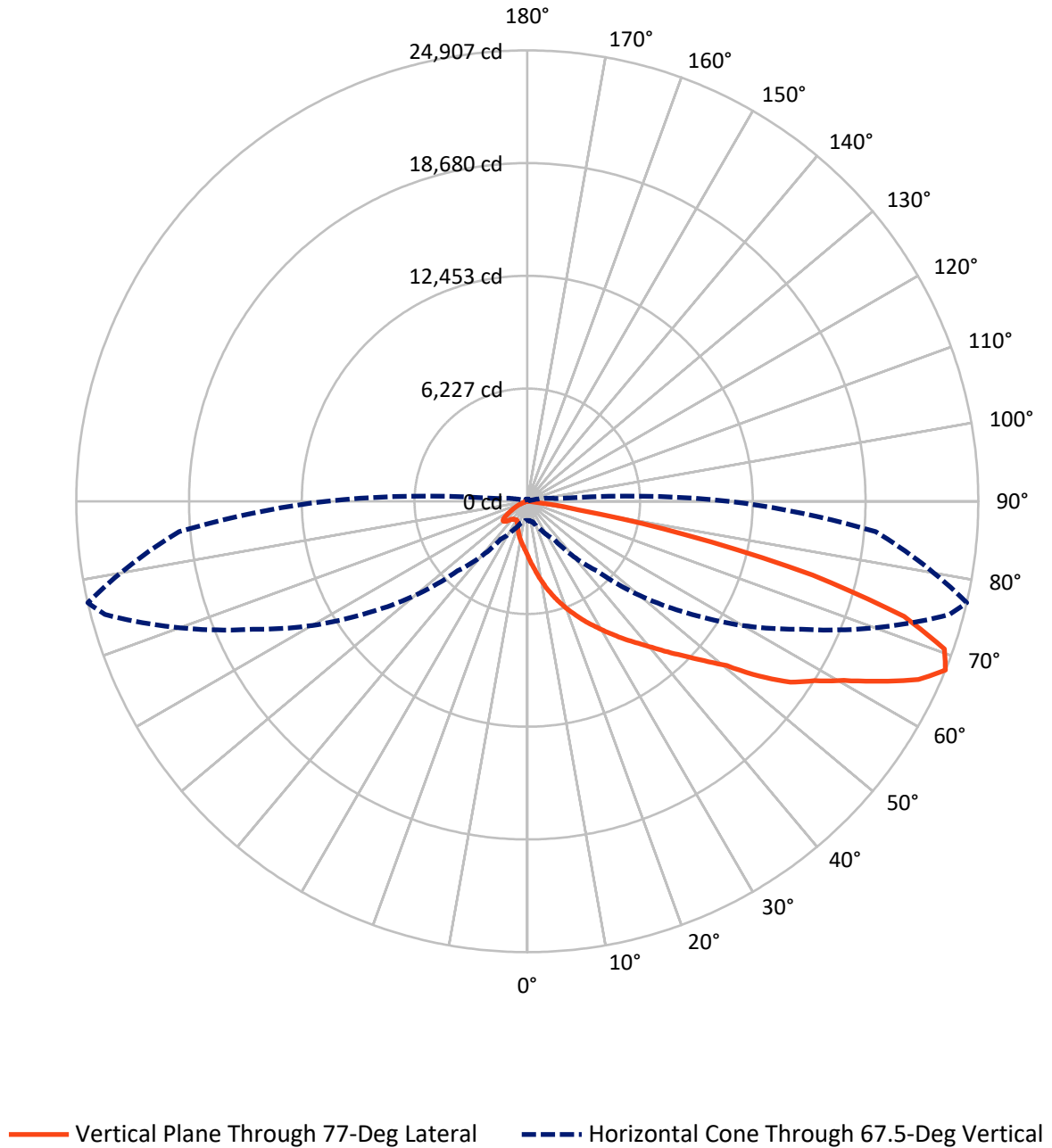
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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	1911.3	0.0	1911.3
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	24067.7	0.0	24067.7
	% Fixture	92.6	0.0	92.6
Total	Lumens	25979.0	0.0	25979.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.8	1.2
10°-20°	1070.8	4.1
20°-30°	2066.3	8.0
30°-40°	3587.2	13.8
40°-50°	5208.4	20.0
50°-60°	5981.2	23.0
60°-70°	5192.7	20.0
70°-80°	2445.8	9.4
80°-90°	121.0	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°	25979.0	100.0
0°-180°	25979.0	100.0

Coefficient of Utilization



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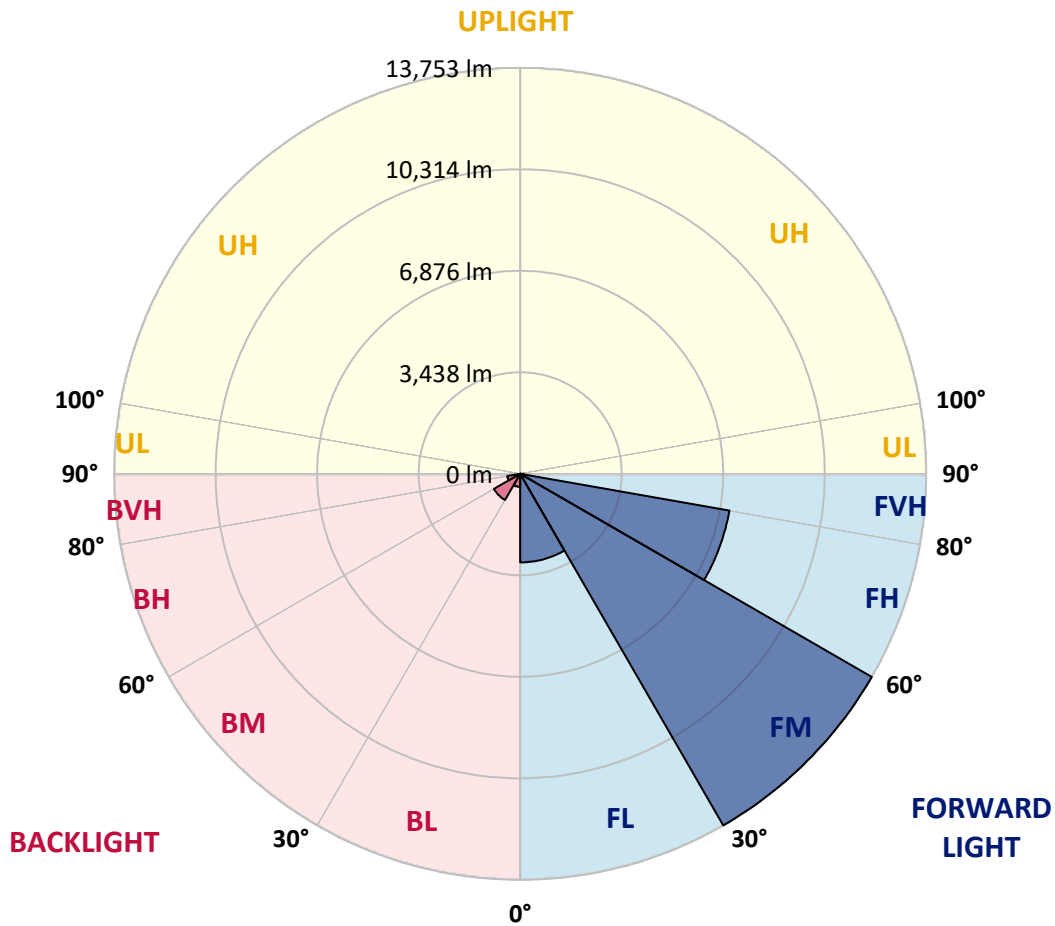
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3000.3	11.5			
FM (30°-60°)	13752.6	52.9			
FH (60°-80°)	7196.1	27.7			G3/7500
FVH (80°-90°)	118.7	0.5			G2/225
BL (0°-30°)	442.5	1.7	B1/500		
BM (30°-60°)	1024.1	3.9	B2/2500		
BH (60°-80°)	442.5	1.7	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8
2.5°	4147.6	4173.4	4136.3	4065.3	3958.9	3889.5	3720.1	3560.4	3382.9	3326.5
5°	5055.9	5078.4	5036.5	4959.1	4817.1	4681.6	4459.0	4125.0	3778.2	3666.9
7.5°	5728.6	5741.5	5725.3	5654.4	5518.8	5365.6	5117.2	4721.9	4207.3	4084.7
10°	6212.5	6254.5	6249.6	6222.2	6131.9	6007.7	5743.1	5293.0	4688.0	4529.9
12.5°	6533.6	6580.3	6607.8	6669.1	6664.2	6585.2	6352.9	5877.0	5167.2	4981.6
15°	6627.1	6677.1	6782.0	6924.0	7049.8	7090.1	6927.2	6449.7	5694.7	5457.5
17.5°	6573.9	6651.3	6777.2	7001.4	7277.3	7459.6	7441.8	7003.0	6173.8	5902.8
20°	6691.7	6765.9	6864.3	7053.0	7374.1	7704.8	7837.1	7532.2	6649.7	6365.8
22.5°	7343.4	7330.5	7340.2	7370.8	7562.8	7890.3	8162.9	8012.9	7120.8	6830.4
25°	8375.9	8317.8	8219.4	8053.2	8004.8	8162.9	8446.9	8438.8	7617.7	7306.3
27.5°	9560.0	9550.3	9319.6	8919.5	8693.7	8632.4	8767.9	8853.4	8109.7	7777.4
30°	10694.1	10719.9	10408.5	9963.3	9548.7	9308.3	9185.7	9247.0	8609.8	8285.5
32.5°	11681.4	11708.8	11370.0	10848.9	10335.9	10045.6	9787.4	9635.8	9155.1	8801.8
35°	12515.4	12542.8	12154.0	11578.1	11031.2	10768.3	10476.3	10061.7	9703.6	9374.5
37.5°	13260.7	13252.7	12731.6	12150.8	11613.6	11405.5	11252.3	10586.0	10268.2	9950.4
40°	13701.1	13735.0	13289.8	12649.3	12128.2	11976.6	11966.9	11236.1	10919.9	10611.8
42.5°	13830.2	13889.9	13567.2	13041.3	12568.6	12404.1	12657.4	11939.5	11678.1	11378.1
45°	13597.9	13656.0	13509.2	13144.6	12868.7	12762.2	13251.0	12668.7	12488.0	12191.1
47.5°	12920.3	12992.9	13028.4	12951.0	12947.8	13055.8	13783.4	13436.6	13449.5	13146.2
50°	11608.8	11731.4	12057.3	12331.5	12755.8	13288.1	14301.2	14269.0	14533.6	14272.2
52.5°	9224.4	9398.7	10521.5	11271.6	12225.0	13244.6	14870.7	15604.7	16435.5	16053.2
55°	7412.8	7412.8	8325.9	9729.4	11189.3	12957.4	15119.2	16472.7	17731.0	17640.6
57.5°	6043.1	6115.7	6698.1	7938.7	9690.6	12273.4	15272.4	17017.9	18774.7	18708.6
60°	3729.8	3886.3	4986.5	6210.9	7985.5	11055.4	15175.6	17569.6	20041.1	20094.3
62.5°	2100.4	2158.5	2648.9	4468.6	6209.3	9418.0	14435.1	17877.8	21660.8	21886.6
65°	1450.3	1479.3	1668.1	2781.2	4304.1	7498.3	12988.1	17685.8	23283.7	23740.2
67.5°	1053.4	1068.0	1185.7	1698.7	2553.7	5436.6	10719.9	16717.9	24143.5	24906.6
70°	809.8	819.5	905.0	1116.4	1508.4	3355.5	7785.4	14793.3	23520.8	24432.3
72.5°	658.2	667.9	734.0	826.0	1000.2	1984.3	4718.7	12013.7	20771.9	21756.0
75°	554.9	567.9	627.5	687.2	784.0	1274.4	2213.3	8366.2	15620.9	16266.2
77.5°	308.1	283.9	509.8	569.5	661.4	806.6	1035.7	4923.6	8748.5	8927.6
80°	192.0	198.4	404.9	458.2	508.2	406.5	474.3	1895.5	3032.9	2881.2
82.5°	11.3	25.8	311.4	330.7	348.5	174.2	179.1	643.7	730.8	671.1
85°	0.0	0.0	142.0	114.5	121.0	50.0	51.6	150.0	98.4	106.5
87.5°	0.0	0.0	0.0	3.2	0.0	4.8	9.7	12.9	4.8	6.5
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°
2995.8	0°	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8
3149.0	2.5°	3036.1	2923.2	2694.1	2469.8	2287.6	2118.2	1997.2	1882.6	1824.6	1821.3
3352.3	5°	3128.0	2890.9	2432.7	2027.8	1702.0	1440.6	1271.2	1150.2	1088.9	1068.0
3602.3	7.5°	3257.1	2900.6	2203.7	1640.7	1256.7	1032.5	935.7	897.0	884.0	869.5
3884.6	10°	3420.0	2923.2	1998.8	1321.2	990.5	877.6	838.9	822.7	813.1	803.4
4202.5	12.5°	3602.3	2944.1	1795.5	1097.0	871.1	813.1	785.6	766.3	753.4	742.1
4528.3	15°	3779.8	2957.0	1584.2	940.5	809.8	763.1	734.0	713.0	695.3	682.4
4847.7	17.5°	3955.6	2974.8	1385.8	846.9	759.8	713.0	684.0	658.2	643.7	629.2
5183.3	20°	4150.8	2971.6	1198.6	780.8	709.8	663.0	632.4	608.2	593.7	577.5
5538.2	22.5°	4331.5	2955.4	1034.1	724.3	658.2	613.0	579.1	554.9	540.4	527.5
5901.2	25°	4539.6	2942.5	897.0	672.7	609.8	564.6	527.5	504.9	488.8	477.5
6265.8	27.5°	4739.7	2923.2	796.9	625.9	563.0	519.5	484.0	458.2	443.6	435.6
6641.7	30°	4936.5	2918.3	759.8	580.8	521.1	477.5	442.0	417.8	406.5	403.3
7054.6	32.5°	5173.6	2931.2	776.0	564.6	482.4	438.8	404.9	387.2	375.9	375.9
7514.4	35°	5426.9	2928.0	800.2	579.1	456.5	400.1	374.3	363.0	351.7	351.7
8024.2	37.5°	5744.7	2932.8	819.5	603.3	446.9	367.8	353.3	338.8	332.3	332.3
8582.4	40°	6219.0	3092.6	809.8	624.3	443.6	345.2	316.2	311.4	306.5	306.5
9213.1	42.5°	6799.7	3439.4	822.7	625.9	442.0	329.1	290.4	300.1	288.8	287.2
9924.6	45°	7435.4	3818.5	905.0	592.1	440.4	321.0	277.5	288.8	271.0	271.0
10748.9	47.5°	8066.1	4194.4	988.9	543.7	435.6	319.4	266.2	259.7	254.9	256.5
11823.3	50°	8935.7	4500.9	1021.2	477.5	424.3	316.2	245.2	246.8	243.6	246.8
13338.2	52.5°	9882.6	4565.4	982.5	403.3	392.0	306.5	230.7	237.1	235.5	238.8
14404.5	55°	10473.1	4496.1	811.5	335.6	342.0	267.8	216.2	229.1	229.1	229.1
15446.6	57.5°	11082.9	4200.8	575.9	272.6	283.9	219.4	203.3	221.0	219.4	217.8
16701.7	60°	11521.7	3723.3	379.1	224.2	225.9	180.7	188.7	208.1	206.5	198.4
17995.5	62.5°	11849.1	3195.8	243.6	190.4	172.6	162.9	172.6	188.7	182.3	164.5
19092.5	65°	11812.0	2465.0	187.1	162.9	142.0	142.0	150.0	164.5	145.2	116.2
19302.2	67.5°	11123.2	1668.1	154.9	137.1	119.4	117.8	124.2	137.1	124.2	98.4
18227.8	70°	9892.3	1090.5	124.2	106.5	95.2	87.1	100.0	117.8	104.9	79.0
15517.6	72.5°	8029.0	664.6	93.6	77.4	69.4	56.5	79.0	96.8	83.9	58.1
10790.9	75°	5194.6	338.8	64.5	50.0	37.1	33.9	58.1	72.6	58.1	35.5
4788.1	77.5°	1987.5	142.0	35.5	22.6	19.4	16.1	32.3	43.6	24.2	8.1
927.6	80°	382.3	59.7	17.7	11.3	9.7	6.5	4.8	3.2	0.0	0.0
164.5	82.5°	66.1	19.4	6.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0
32.3	85°	22.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.3	87.5°	8.1	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

180°
2995.8
1818.1
1064.7
866.3
800.2
738.9
680.8
627.5
575.9
525.9
475.9
435.6
401.7
375.9
351.7
332.3
306.5
285.5
271.0
256.5
246.8
238.8
229.1
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