

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: P952783

Luminaire Tested: **GALN-SB6C-740-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
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-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36720 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

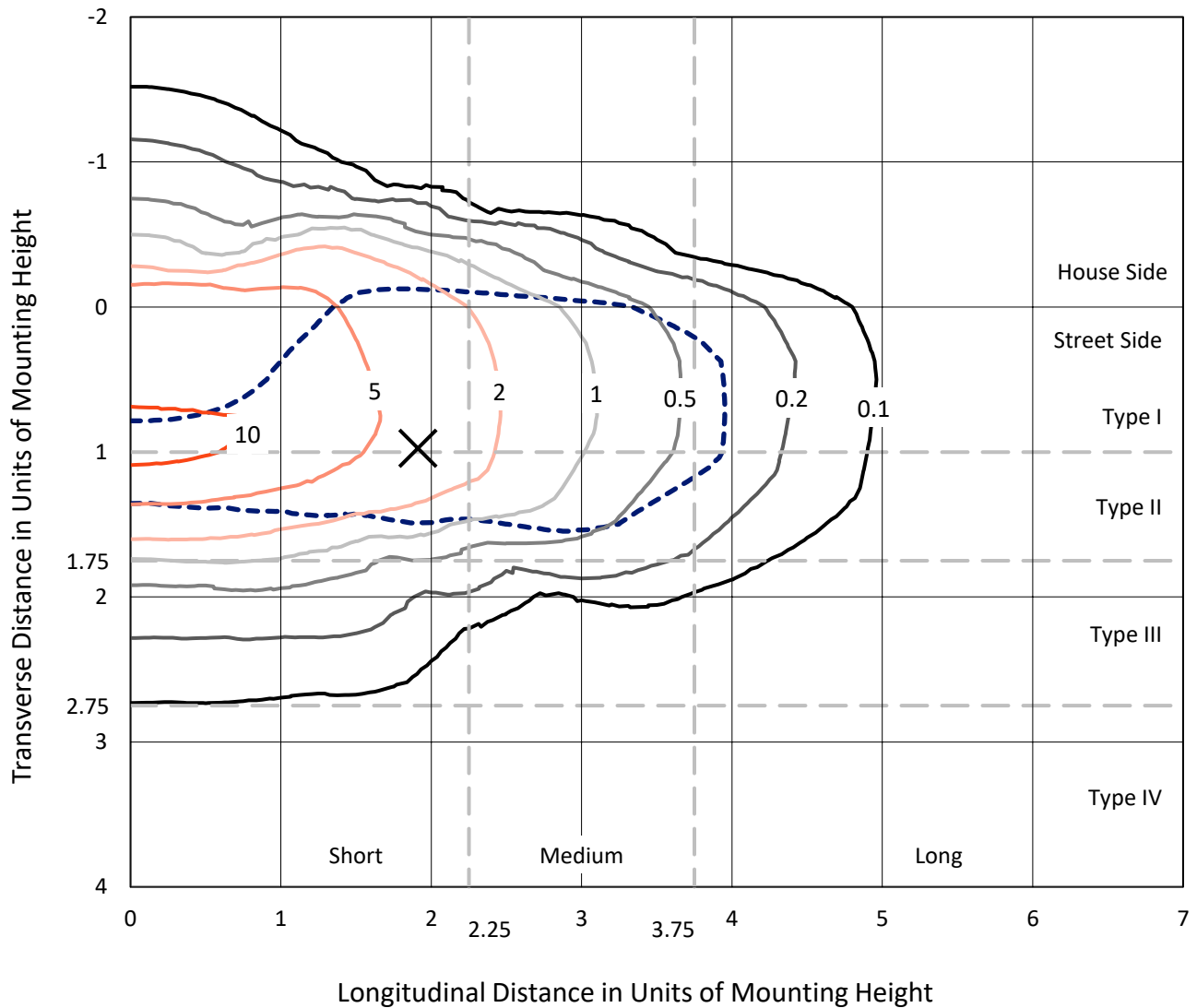
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

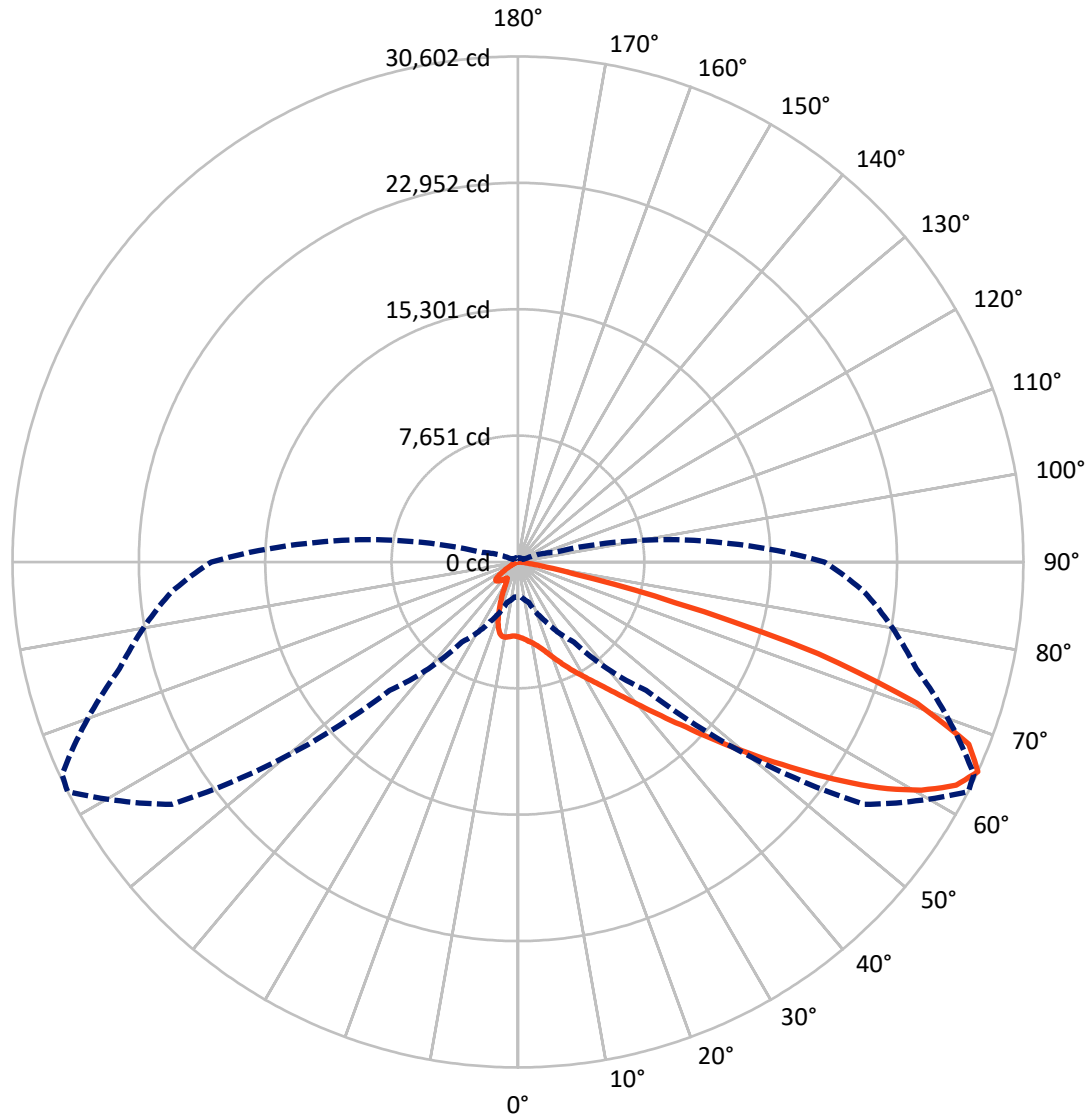
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5397.6	0.0	5397.6
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	31322.4	0.0	31322.4
	% Fixture	85.3	0.0	85.3
Total	Lumens	36720.0	0.0	36720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.0	1.2
10°-20°	1184.8	3.2
20°-30°	2063.0	5.6
30°-40°	3718.3	10.1
40°-50°	7374.5	20.1
50°-60°	10045.3	27.4
60°-70°	8018.1	21.8
70°-80°	3628.4	9.9
80°-90°	260.8	0.7
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°	36720.0	100.0
0°-180°	36720.0	100.0

Coefficient of Utilization



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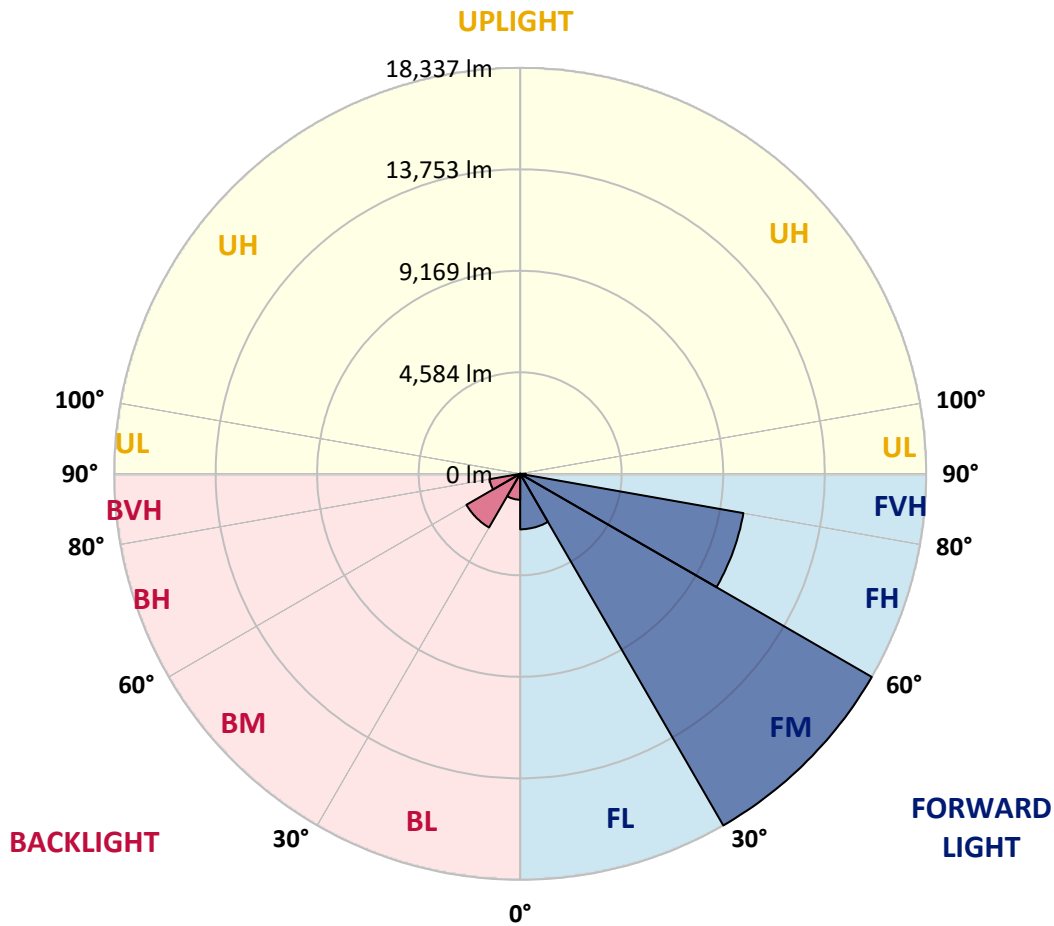
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2506.6	6.8			
FM (30°-60°)	18337.0	49.9			
FH (60°-80°)	10237.4	27.9			G4/12000
FVH (80°-90°)	241.5	0.7			G3/500
BL (0°-30°)	1168.1	3.2	B3/2500		
BM (30°-60°)	2801.0	7.6	B3/5000		
BH (60°-80°)	1409.1	3.8	B3/2500		G3/2500
BVH (80°-90°)	19.4	0.1			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	4531.9	4531.9	4531.9	4531.9	4531.9	4531.9	4531.9	4531.9	4531.9	4531.9
2.5°	4638.0	4625.4	4643.1	4635.5	4630.5	4620.4	4615.3	4610.3	4600.1	4592.6
5°	4650.7	4643.1	4660.8	4675.9	4691.1	4706.2	4713.8	4723.9	4713.8	4693.6
7.5°	4544.6	4539.5	4577.4	4622.9	4691.1	4749.2	4812.3	4847.7	4850.2	4842.7
10°	4537.0	4524.4	4562.3	4617.8	4706.2	4809.8	4921.0	4996.8	5006.9	5039.7
12.5°	4655.7	4643.1	4696.1	4756.8	4847.7	4956.3	5092.8	5198.8	5214.0	5259.5
15°	4855.3	4837.6	4898.2	4976.5	5092.8	5216.5	5360.5	5456.5	5469.1	5524.7
17.5°	5087.7	5070.0	5140.7	5224.1	5350.4	5519.7	5686.4	5792.5	5807.7	5843.0
20°	5385.8	5363.1	5418.6	5494.4	5628.3	5830.4	6030.0	6181.5	6179.0	6179.0
22.5°	5731.9	5696.5	5744.5	5805.1	5931.4	6176.5	6441.7	6621.1	6621.1	6550.3
25°	6103.2	6067.9	6120.9	6176.5	6287.6	6565.5	6876.2	7098.5	7108.6	6987.4
27.5°	6568.0	6522.6	6563.0	6628.7	6694.3	6977.3	7346.1	7603.8	7608.8	7421.9
30°	7462.3	7333.5	7207.2	7136.4	7166.7	7447.1	7841.2	8126.7	8151.9	7894.3
32.5°	9099.2	9074.0	8629.4	8048.4	7745.2	7952.4	8394.4	8738.0	8753.2	8422.2
35°	11643.1	11612.8	10897.9	9791.4	8803.7	8629.4	9066.4	9473.1	9463.0	9089.1
37.5°	14679.6	14651.8	13709.5	12229.2	10630.1	9652.5	9932.9	10359.8	10423.0	9932.9
40°	17273.9	17170.4	16574.2	15146.9	13055.2	11350.1	11165.7	11448.6	11514.3	10933.2
42.5°	19239.3	19150.9	18847.7	17956.0	15990.6	13861.1	12618.2	12726.8	12800.1	12102.9
45°	20257.3	20237.1	20358.4	20275.0	18981.6	16943.0	14694.7	14242.5	14270.3	13398.8
47.5°	20401.3	20391.2	20944.4	21727.6	21553.2	20419.0	17359.8	16132.1	16033.6	14861.4
50°	19552.5	19532.3	20593.3	22061.0	23271.0	23339.2	20386.2	18261.7	18044.4	16374.6
52.5°	16841.9	16836.9	18580.0	21022.8	23874.8	25895.7	23377.1	20600.9	20237.1	17976.2
55°	12959.2	13052.7	15050.9	17938.3	22773.4	27126.0	26062.5	23197.8	22639.5	19587.9
57.5°	9180.1	9316.5	11292.0	13863.6	19358.0	26398.4	27878.8	25799.7	25198.5	21194.5
60°	4931.1	5052.3	7030.3	10099.6	14401.7	23685.3	28836.2	28058.1	27489.7	22720.3
62.5°	2937.9	2978.3	3796.8	6520.0	9740.9	18094.9	28429.5	29778.4	29311.1	24001.1
65°	2109.3	2116.9	2528.7	3981.2	5913.8	10993.9	25577.4	30602.0	30458.0	24966.1
67.5°	1775.9	1770.8	1942.6	2644.9	4029.2	5507.0	19603.0	29437.4	30048.7	25577.4
70°	1523.3	1530.9	1732.9	1937.6	3028.9	3117.3	9745.9	25630.5	26934.0	25739.1
72.5°	1134.2	1159.5	1346.4	1765.8	2286.2	2144.7	3364.9	19004.3	21361.3	24251.2
75°	800.8	813.4	947.3	1485.4	1705.2	1561.2	1717.8	9824.3	12845.6	18592.6
77.5°	616.4	639.1	717.4	1038.3	1679.9	1096.4	1050.9	3400.2	5224.1	11231.3
80°	333.5	373.9	517.9	750.3	1179.7	775.5	520.4	1354.0	1770.8	5251.9
82.5°	171.8	192.0	361.2	540.6	672.0	677.0	257.7	563.3	730.1	1621.8
85°	68.2	83.4	242.5	298.1	346.1	333.5	116.2	227.4	262.7	449.7
87.5°	15.2	25.3	88.4	68.2	65.7	70.7	27.8	53.0	50.5	53.0
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°
4531.9	0°	4531.9	4531.9	4531.9	4531.9	4531.9	4531.9	4531.9	4531.9	4531.9	4531.9
4562.3	2.5°	4559.7	4549.6	4521.8	4491.5	4456.2	4435.9	4423.3	4420.8	4403.1	4390.5
4663.3	5°	4635.5	4625.4	4572.4	4509.2	4441.0	4388.0	4337.4	4292.0	4226.3	4213.6
4809.8	7.5°	4787.1	4759.3	4673.4	4587.5	4458.7	4304.6	4117.7	3902.9	3710.9	3652.8
5004.3	10°	4974.0	4936.1	4827.5	4675.9	4390.5	3971.1	3518.9	3099.6	2766.2	2672.7
5234.2	12.5°	5186.2	5153.4	5009.4	4729.0	4105.0	3344.6	2652.5	2132.1	1808.7	1727.9
5479.3	15°	5438.8	5390.8	5191.3	4648.1	3594.7	2541.3	1821.4	1513.2	1397.0	1381.8
5759.7	17.5°	5706.6	5628.3	5352.9	4357.6	2907.6	1806.2	1407.1	1318.7	1268.1	1253.0
6042.6	20°	5951.6	5850.6	5448.9	3918.1	2172.5	1407.1	1260.6	1202.5	1157.0	1139.3
6325.5	22.5°	6196.7	6052.7	5448.9	3319.4	1629.4	1247.9	1157.0	1103.9	1050.9	1028.1
6628.7	25°	6451.8	6259.8	5352.9	2652.5	1311.1	1144.4	1058.5	1000.4	954.9	927.1
6916.6	27.5°	6699.4	6434.1	5133.2	2020.9	1167.1	1053.4	967.5	911.9	869.0	848.8
7229.9	30°	6934.3	6605.9	4825.0	1533.4	1073.6	965.0	884.2	836.2	793.2	773.0
7636.6	32.5°	7252.6	6823.2	4496.6	1258.0	992.8	881.6	808.4	762.9	725.0	709.9
8164.6	35°	7694.7	7144.0	4213.6	1235.3	924.6	813.4	740.2	697.2	659.3	646.7
8846.6	37.5°	8321.2	7661.9	4064.6	1386.9	869.0	752.8	684.6	639.1	603.8	593.6
9713.1	40°	9094.2	8364.1	4145.4	1538.4	831.1	699.7	634.1	588.6	558.3	545.7
10708.4	42.5°	10011.2	9230.6	4592.6	1654.6	805.8	654.3	586.1	535.5	515.3	510.3
11837.6	45°	11064.6	10183.0	5277.2	1778.4	765.4	611.3	538.1	500.2	485.0	482.5
13065.3	47.5°	12262.0	11228.8	6070.4	1932.5	725.0	570.9	500.2	474.9	462.3	457.2
14346.1	50°	13449.3	12282.2	6886.3	2018.4	692.2	533.0	469.9	449.7	439.6	437.0
15700.1	52.5°	14692.2	13365.9	7545.7	1937.6	664.4	502.7	444.6	429.4	419.3	416.8
16948.0	55°	15877.0	14242.5	7659.3	1644.5	608.8	472.4	416.8	409.2	396.6	396.6
18213.7	57.5°	16897.5	14682.1	6856.0	1207.5	553.2	426.9	389.0	381.5	371.3	368.8
19355.5	60°	17834.7	14555.8	5292.3	813.4	492.6	381.5	353.7	348.6	338.5	325.9
20348.3	62.5°	18362.7	14000.0	3620.0	530.5	432.0	333.5	313.2	310.7	288.0	262.7
21083.4	65°	18562.3	12858.2	2258.4	386.5	361.2	285.5	270.3	265.2	232.4	204.6
21500.2	67.5°	18388.0	10978.7	1139.3	305.7	285.5	237.5	222.3	222.3	199.6	174.3
21474.9	70°	17690.7	8230.2	480.0	245.0	219.8	181.9	181.9	192.0	169.3	141.5
20360.9	72.5°	16177.6	5537.4	255.1	186.9	164.2	128.8	149.0	156.6	133.9	106.1
16665.1	75°	12860.7	3377.5	176.8	138.9	103.6	90.9	113.7	118.7	90.9	70.7
11425.8	77.5°	8796.1	1940.1	118.7	88.4	65.7	53.0	78.3	73.3	48.0	32.8
4405.6	80°	3862.5	808.4	68.2	40.4	25.3	20.2	27.8	20.2	15.2	10.1
603.8	82.5°	452.2	189.5	25.3	15.2	10.1	5.1	2.5	0.0	0.0	0.0
184.4	85°	93.5	22.7	12.6	5.1	2.5	0.0	0.0	0.0	0.0	0.0
32.8	87.5°	17.7	5.1	2.5	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>
4531.9
4403.1
4208.6
3625.0
2637.3
1705.2
1366.7
1245.4
1129.2
1015.5
917.0
848.8
775.5
709.9
646.7
591.1
543.1
510.3
480.0
457.2
437.0
416.8
394.1
366.3
323.3
257.7
202.1
171.8
138.9
106.1
68.2
35.4
10.1
0.0
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