

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: P942496

Luminaire Tested: **GALN-SB6C-740-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
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-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37682 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

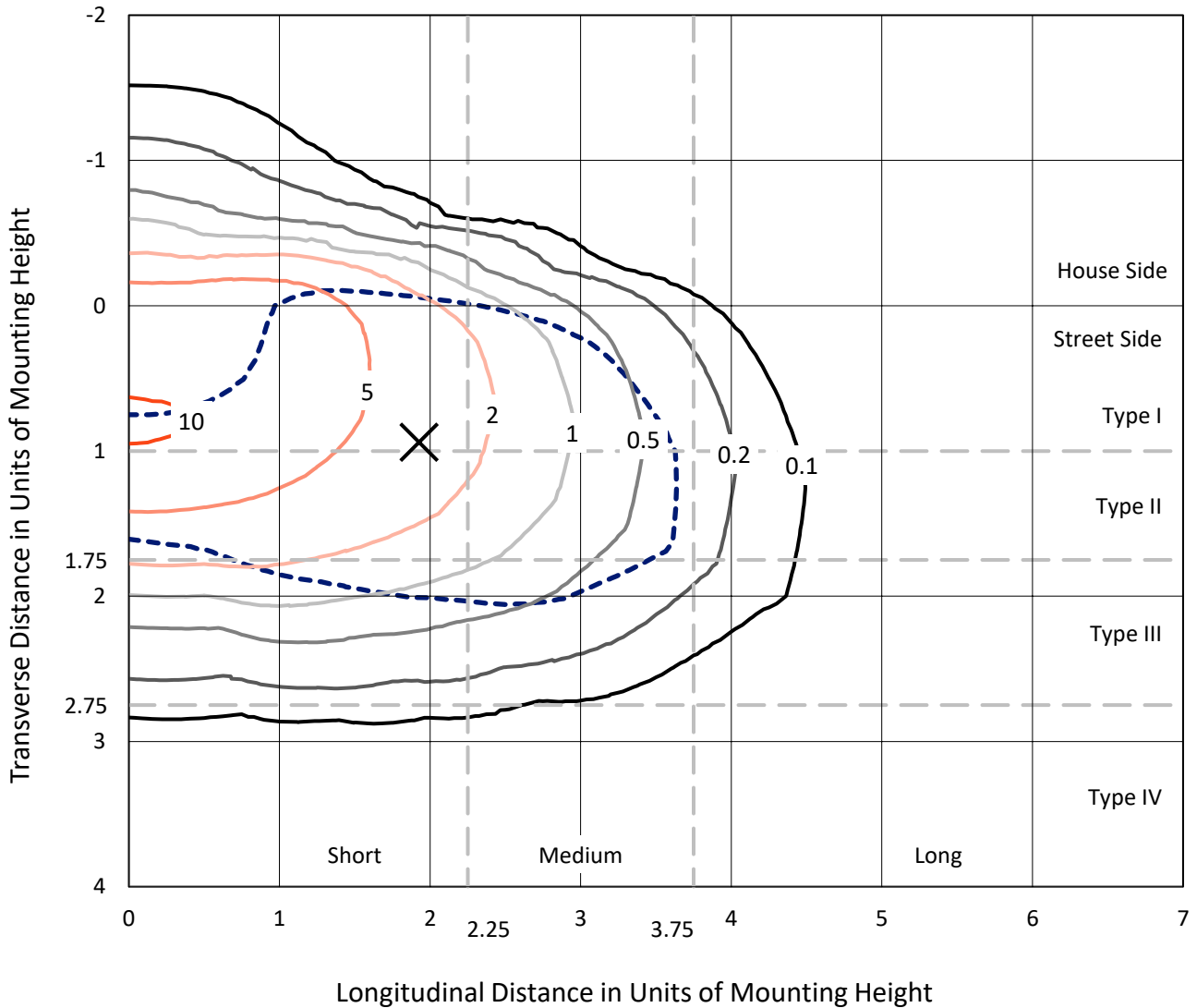
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

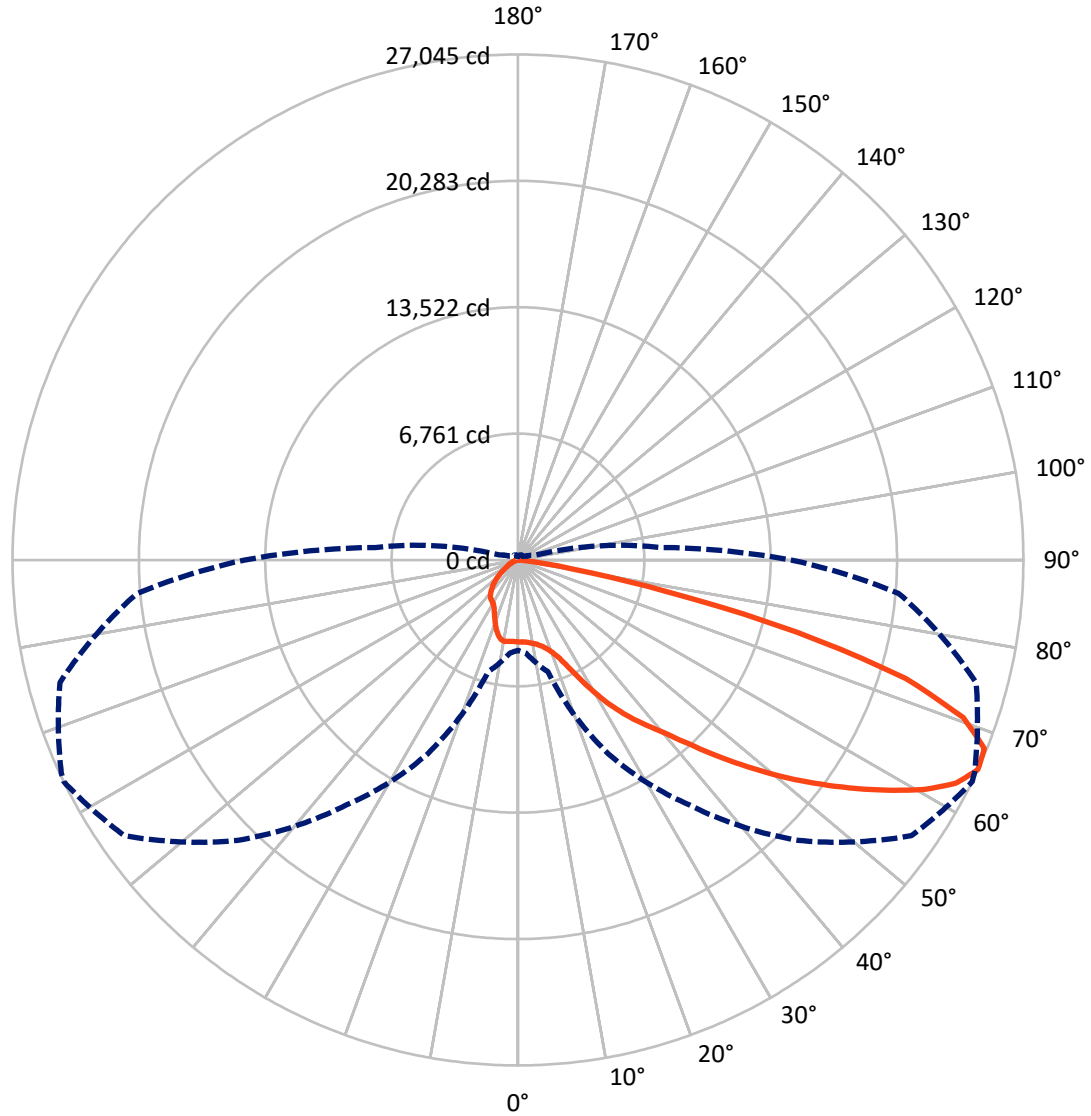
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5039.2	0.0	5039.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	32642.8	0.0	32642.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	37682.0	0.0	37682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.4	1.1
10°-20°	1096.7	2.9
20°-30°	2078.2	5.5
30°-40°	4205.3	11.2
40°-50°	7163.8	19.0
50°-60°	9742.2	25.9
60°-70°	9148.5	24.3
70°-80°	3665.3	9.7
80°-90°	177.6	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°	37682.0	100.0
0°-180°	37682.0	100.0

Coefficient of Utilization



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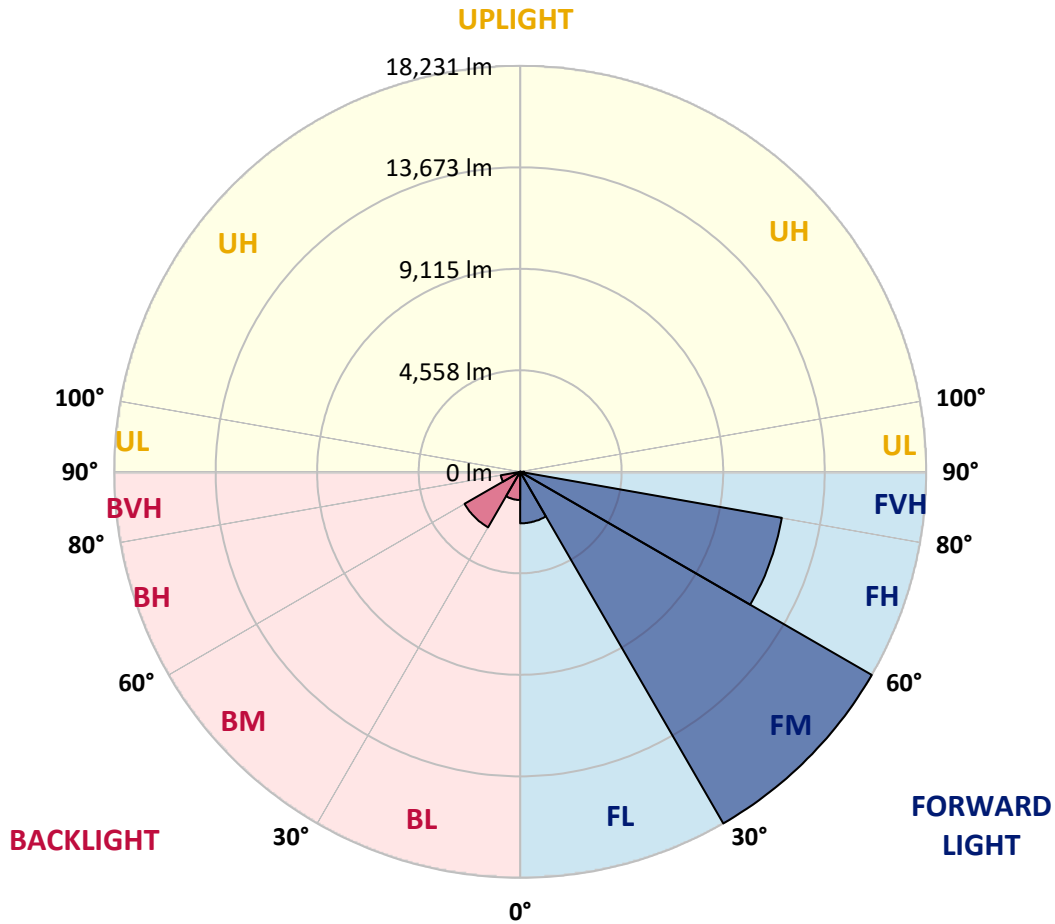
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2314.1	6.1			
FM (30°-60°)	18230.5	48.4			
FH (60°-80°)	11929.3	31.7			G4/12000
FVH (80°-90°)	168.9	0.4			G2/225
BL (0°-30°)	1265.2	3.4	B3/2500		
BM (30°-60°)	2880.9	7.6	B3/5000		
BH (60°-80°)	884.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4382.8	4382.8	4382.8	4382.8	4382.8	4382.8	4382.8	4382.8	4382.8	4382.8
2.5°	4367.7	4398.0	4390.4	4382.8	4380.3	4385.3	4387.9	4385.3	4385.3	4385.3
5°	4284.3	4309.6	4309.6	4327.2	4352.5	4382.8	4405.5	4410.6	4415.6	4423.2
7.5°	4125.1	4145.4	4160.5	4218.6	4281.8	4362.6	4430.8	4466.2	4471.2	4499.0
10°	4016.5	4041.8	4067.0	4127.7	4218.6	4339.9	4456.1	4542.0	4554.6	4620.3
12.5°	4011.5	4036.7	4069.6	4135.2	4241.3	4370.2	4511.6	4635.4	4658.2	4754.1
15°	4064.5	4094.8	4125.1	4206.0	4319.7	4476.3	4627.8	4781.9	4804.7	4941.1
17.5°	4173.1	4213.6	4236.3	4317.1	4438.4	4612.7	4812.2	4989.1	5009.3	5168.4
20°	4387.9	4435.9	4443.4	4509.1	4627.8	4814.8	5052.2	5272.0	5297.3	5479.1
22.5°	4832.5	4900.7	4840.0	4872.9	4979.0	5165.9	5423.6	5701.4	5736.8	5943.9
25°	5615.6	5711.5	5554.9	5499.4	5544.8	5739.3	6062.7	6413.8	6454.2	6620.9
27.5°	7154.0	7030.2	6792.7	6560.3	6423.9	6535.1	6898.8	7333.3	7383.8	7545.5
30°	8843.9	8735.3	8414.5	7899.2	7575.8	7558.1	7894.1	8379.1	8437.2	8591.3
32.5°	10536.4	10432.9	10084.2	9450.2	8889.4	8611.5	8843.9	9382.0	9412.3	9510.8
35°	12201.1	12095.0	11746.4	11097.2	10407.6	9776.1	9730.6	10336.9	10347.0	10450.5
37.5°	13875.9	13787.5	13416.2	12779.6	12100.1	11228.6	10806.7	11241.2	11253.8	11354.9
40°	15070.8	15108.7	14853.6	14361.0	13777.4	12825.1	12014.2	12203.7	12127.9	12297.1
42.5°	16096.4	16172.2	15949.9	15702.3	15363.8	14525.2	13509.7	13476.8	13355.6	13446.5
45°	16983.1	17046.2	16846.7	16788.6	16781.0	16192.4	15144.1	14947.0	14777.8	14760.1
47.5°	17308.9	17430.2	17516.1	17710.6	18089.5	17841.9	16834.0	16528.4	16338.9	16200.0
50°	17432.7	17561.5	17854.6	18420.4	19317.2	19423.3	18516.4	18172.9	17940.5	17687.9
52.5°	17266.0	17495.9	17889.9	18842.3	20143.2	20691.4	20130.6	19830.0	19564.8	19153.0
55°	16283.3	16513.2	17319.0	18837.2	20555.0	21580.6	21656.4	21522.5	21224.4	20575.2
57.5°	14211.9	14552.9	15828.6	18195.6	20547.4	22346.0	23151.8	23247.8	22914.4	21984.8
60°	11342.3	11804.5	13360.6	16773.4	19913.4	22760.3	24462.9	24942.9	24589.2	23374.1
62.5°	7914.3	8449.9	9922.6	14545.4	18463.4	22462.2	25420.3	26307.0	26039.2	24617.0
65°	4827.4	4999.2	6186.5	11445.8	15997.9	21214.3	25715.8	27044.6	26956.2	25377.3
67.5°	3215.7	3359.7	3700.8	7848.6	12418.4	18721.0	25008.5	26915.7	26941.0	25253.6
70°	1937.5	2061.3	2283.6	4564.7	8048.2	14818.2	22818.4	25273.8	25420.3	23599.0
72.5°	798.3	881.6	1083.7	2068.9	4168.1	9404.7	18170.3	21699.3	22040.3	19842.6
75°	452.2	495.1	636.6	1038.2	1808.7	4382.8	11006.3	15404.2	15906.9	13676.4
77.5°	300.6	320.8	411.8	671.9	1018.0	1495.5	4703.6	8025.5	8985.4	7469.7
80°	202.1	219.8	282.9	449.6	661.8	641.6	1498.0	2973.2	3657.8	2566.5
82.5°	136.4	138.9	202.1	295.6	419.3	310.7	442.1	924.6	1162.0	742.7
85°	78.3	75.8	149.0	171.8	186.9	128.8	133.9	277.9	363.8	313.2
87.5°	10.1	15.2	58.1	45.5	25.3	27.8	27.8	48.0	70.7	75.8
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°
4382.8	0°	4382.8	4382.8	4382.8	4382.8	4382.8	4382.8	4382.8	4382.8	4382.8	4382.8
4387.9	2.5°	4387.9	4385.3	4377.8	4370.2	4352.5	4342.4	4347.4	4342.4	4339.9	4342.4
4420.7	5°	4420.7	4413.1	4392.9	4367.7	4332.3	4289.3	4261.6	4221.1	4183.2	4160.5
4509.1	7.5°	4509.1	4501.5	4473.7	4403.0	4289.3	4110.0	3945.8	3801.8	3693.2	3630.0
4650.6	10°	4650.6	4637.9	4595.0	4438.4	4140.3	3748.8	3422.9	3152.6	2975.8	2892.4
4817.3	12.5°	4817.3	4802.1	4726.4	4405.5	3857.4	3246.1	2796.4	2495.8	2331.6	2258.3
5009.3	15°	5014.3	4994.1	4845.1	4248.9	3445.6	2690.3	2278.6	2053.7	1947.6	1882.0
5254.3	17.5°	5259.4	5224.0	4933.5	4014.0	2998.5	2265.9	1960.3	1791.0	1697.5	1634.4
5575.1	20°	5577.7	5519.6	5004.2	3733.6	2586.7	1998.2	1745.5	1604.1	1533.4	1477.8
6029.8	22.5°	6022.3	5938.9	5090.1	3430.5	2296.2	1813.7	1586.4	1482.8	1424.7	1361.6
6663.9	25°	6572.9	6474.4	5196.2	3150.1	2096.7	1654.6	1470.2	1384.3	1316.1	1242.8
7495.0	27.5°	7343.4	7166.6	5322.5	2920.2	1924.9	1518.2	1364.1	1268.1	1189.8	1129.2
8437.2	30°	8202.3	7911.8	5433.7	2781.3	1768.3	1391.9	1225.2	1129.2	1055.9	1013.0
9283.5	32.5°	9015.7	8621.6	5506.9	2720.6	1626.8	1247.9	1073.6	970.0	914.5	901.8
10112.0	35°	9783.6	9263.3	5499.4	2662.5	1500.5	1103.9	924.6	818.5	775.5	783.1
11003.8	37.5°	10667.8	9947.8	5446.3	2571.6	1396.9	972.6	795.7	702.3	664.4	666.9
12087.5	40°	11695.9	10738.5	5413.5	2399.8	1283.3	851.3	689.6	613.8	586.1	576.0
13229.3	42.5°	12792.2	11503.9	5418.5	2205.3	1141.8	742.7	616.4	553.2	528.0	520.4
14499.9	45°	13893.6	12234.0	5426.1	2003.2	992.8	659.3	563.3	510.3	495.1	485.0
15788.2	47.5°	14929.3	12855.4	5284.6	1786.0	846.2	596.2	520.4	485.0	472.4	459.8
17081.6	50°	15894.3	13269.7	4943.6	1533.4	730.0	545.6	487.5	462.3	449.6	437.0
18253.7	52.5°	16644.6	13335.4	4380.3	1273.2	649.2	507.7	467.3	444.6	429.4	416.8
19201.0	55°	16978.0	12923.6	3579.5	1030.7	586.1	474.9	447.1	424.4	406.7	394.1
19946.2	57.5°	16892.1	12057.1	2791.4	828.6	525.4	442.1	421.9	406.7	386.5	366.3
20549.9	60°	16470.3	10897.7	2104.3	689.6	469.9	406.7	394.1	381.4	353.7	323.3
20782.3	62.5°	15740.2	9440.1	1500.5	570.9	409.2	366.3	361.2	351.1	310.7	255.1
20438.8	65°	14623.7	7669.3	1010.4	474.9	351.1	320.8	323.3	305.7	252.6	189.5
19180.8	67.5°	12991.8	5608.0	646.7	389.0	293.0	267.8	270.3	260.2	214.7	161.7
16796.1	70°	10912.8	3713.4	421.9	295.6	234.9	207.1	222.3	224.8	181.9	131.4
12890.8	72.5°	8000.2	2192.7	295.6	219.8	171.8	144.0	181.9	186.9	146.5	98.5
7755.2	75°	4559.6	1040.8	222.3	159.1	106.1	101.0	141.5	141.5	101.0	65.7
3357.2	77.5°	1914.8	434.5	156.6	103.6	60.6	58.1	96.0	88.4	50.5	30.3
818.5	80°	553.2	194.5	83.4	50.5	25.3	22.7	37.9	27.8	12.6	5.1
310.7	82.5°	217.2	85.9	32.8	20.2	10.1	10.1	5.1	0.0	0.0	0.0
176.8	85°	128.8	35.4	15.2	7.6	2.5	0.0	0.0	0.0	0.0	0.0
37.9	87.5°	32.8	7.6	5.1	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>
4382.8
4352.5
4165.6
3632.6
2884.8
2250.8
1884.5
1629.3
1467.7
1351.5
1235.3
1116.5
1005.4
909.4
783.1
677.0
573.4
517.9
485.0
459.8
437.0
414.3
391.5
363.8
318.3
250.1
184.4
154.1
126.3
93.5
60.6
30.3
5.1
0.0
0.0
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0.0

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