

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: STREETWORKS

Report Number: P849525

Luminaire Tested: **GLAN-SB6C-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27458 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

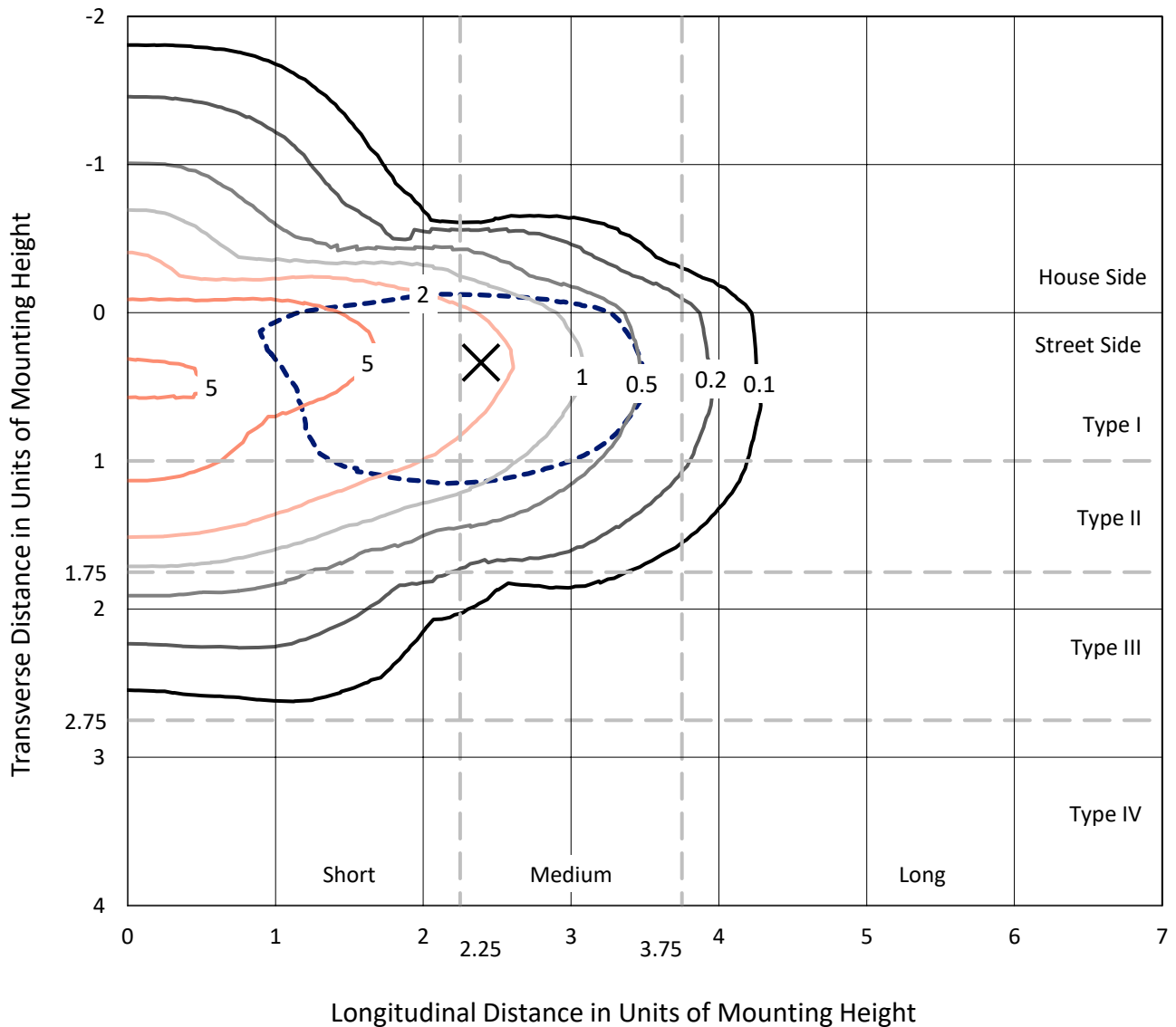
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

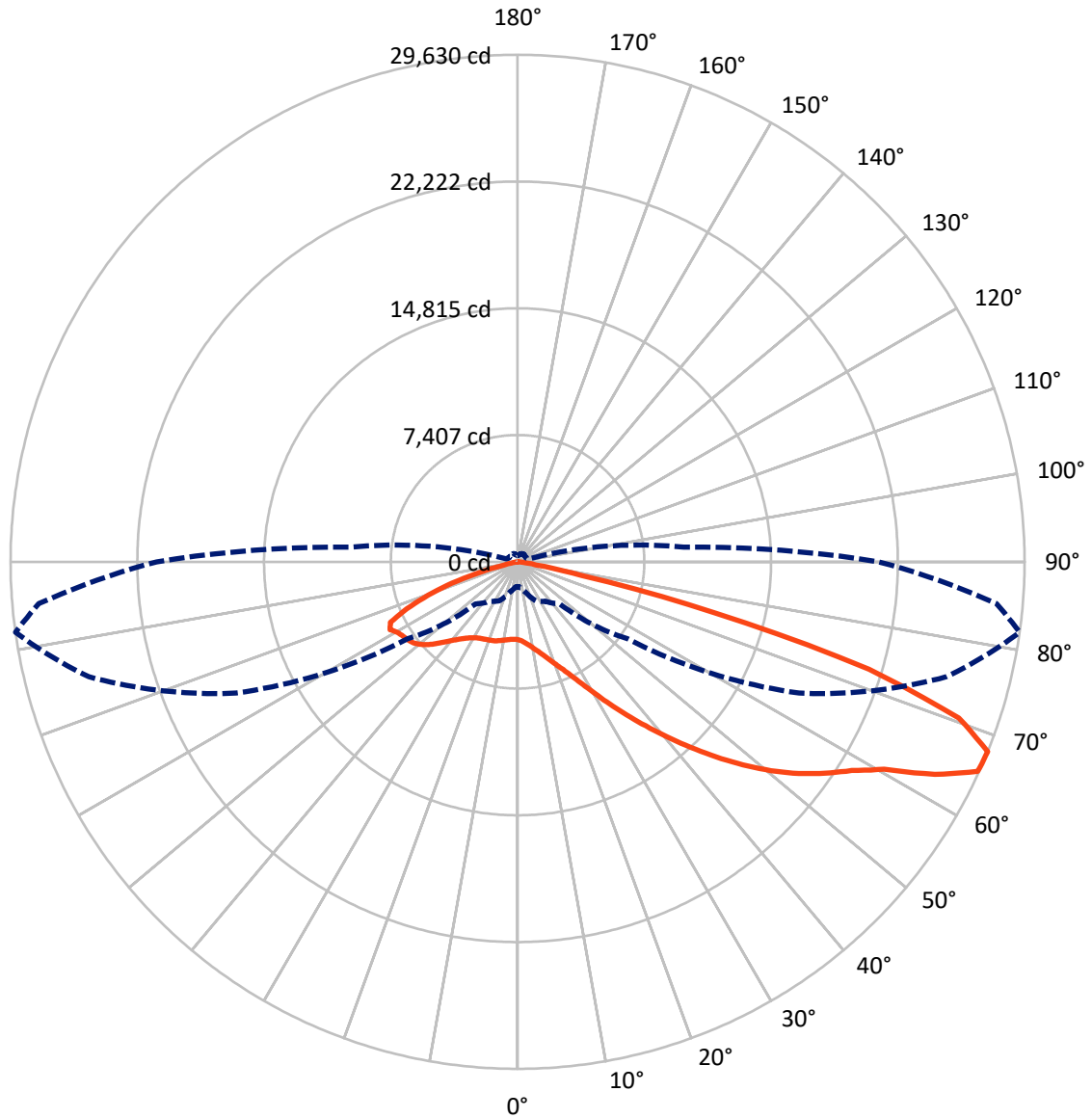
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4973.8	0.0	4973.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	22484.2	0.0	22484.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	27458.0	0.0	27458.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.3	1.5
10°-20°	1053.1	3.8
20°-30°	1686.8	6.1
30°-40°	2982.7	10.9
40°-50°	5226.1	19.0
50°-60°	6970.1	25.4
60°-70°	6488.8	23.6
70°-80°	2490.4	9.1
80°-90°	154.7	0.6
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°	27458.0	100.0
0°-180°	27458.0	100.0

Coefficient of Utilization

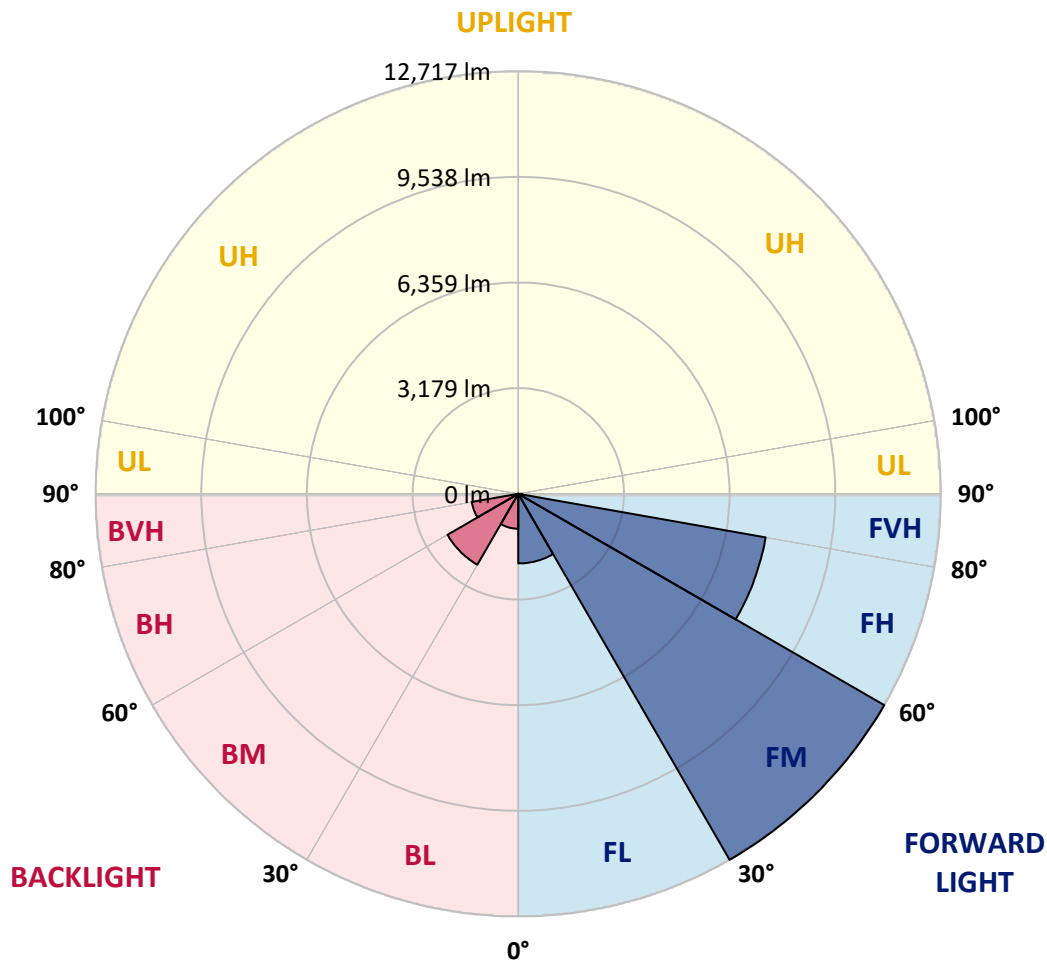


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2094.7	7.6			
FM (30°-60°)	12717.4	46.3			
FH (60°-80°)	7559.6	27.5			G4/12000
FVH (80°-90°)	112.5	0.4			G2/225
BL (0°-30°)	1050.4	3.8	B3/2500		
BM (30°-60°)	2461.5	9.0	B2/2500		
BH (60°-80°)	1419.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	42.2	0.2			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4548.9	4548.9	4548.9	4548.9	4548.9	4548.9	4548.9	4548.9	4548.9	4548.9
2.5°	4807.8	4835.5	4819.7	4811.8	4798.0	4778.2	4762.4	4712.9	4661.5	4627.9
5°	4904.7	4932.4	4930.4	4938.3	4948.2	4954.1	4950.2	4894.8	4821.7	4764.3
7.5°	4821.7	4853.3	4879.0	4918.5	4987.7	5060.9	5096.5	5084.6	5009.5	4930.4
10°	4586.4	4620.0	4681.3	4774.2	4920.5	5078.7	5211.1	5272.4	5225.0	5138.0
12.5°	4155.5	4189.1	4309.7	4511.3	4756.4	5031.2	5284.3	5448.4	5460.2	5373.2
15°	3671.1	3704.7	3833.2	4086.3	4459.9	4900.8	5323.8	5634.2	5739.0	5663.8
17.5°	3370.6	3400.3	3497.1	3700.8	4090.2	4639.8	5310.0	5831.9	6071.1	6011.8
20°	3279.7	3305.4	3350.9	3493.2	3817.4	4369.0	5219.0	6017.7	6428.9	6395.3
22.5°	3376.6	3400.3	3414.1	3477.4	3681.0	4191.0	5104.4	6207.5	6844.0	6848.0
25°	3599.9	3623.7	3607.9	3647.4	3736.4	4135.7	5060.9	6430.9	7366.0	7409.4
27.5°	3967.7	3969.6	3932.1	3930.1	3943.9	4218.7	5106.3	6670.1	8024.3	8105.3
30°	4705.0	4675.4	4531.1	4374.9	4303.7	4467.8	5232.9	6952.8	8801.2	8945.5
32.5°	5841.8	5798.3	5533.4	5159.7	4784.1	4869.1	5460.2	7275.0	9647.3	9908.3
35°	7075.3	7063.5	6786.7	6231.2	5574.9	5440.4	5829.9	7698.1	10570.5	10985.7
37.5°	8222.0	8216.0	8057.9	7403.5	6604.8	6237.1	6423.0	8251.6	11559.0	12160.0
40°	9269.7	9287.5	9129.4	8544.2	7739.6	7259.2	7229.5	8935.6	12658.1	13439.0
42.5°	10175.1	10194.9	10034.8	9601.8	8860.5	8390.0	8220.0	9773.8	13731.6	14813.0
45°	10790.0	10912.5	10888.8	10542.8	10011.1	9522.8	9410.1	10825.5	14955.3	16269.9
47.5°	10963.9	11076.6	11254.5	11302.0	10977.8	10497.4	10631.8	12092.7	16192.8	17728.9
50°	10534.9	10639.7	11009.4	11501.6	11727.0	11578.7	11819.9	13450.9	17460.0	19183.9
52.5°	9688.8	9795.6	10262.1	11041.0	11960.3	12426.8	13012.0	14789.2	18687.7	20561.8
55°	8465.1	8577.8	9176.8	10058.5	11515.5	12776.7	14006.4	16125.6	19812.6	21801.3
57.5°	6800.6	6883.6	7506.3	8739.9	10396.6	12428.8	14739.8	17584.6	20872.2	23019.1
60°	4432.2	4505.4	5228.9	6604.8	8542.2	11266.4	14886.1	19211.6	22279.7	24602.6
62.5°	2947.6	2997.0	3426.0	4436.2	6015.7	9034.5	14030.1	20510.4	24343.6	27358.4
65°	2022.4	2071.8	2500.8	3204.6	3886.6	5976.2	11568.9	20338.4	26213.8	29546.8
67.5°	1443.1	1484.7	1848.4	2512.6	2813.1	3471.4	7842.4	18140.1	25944.9	29629.9
70°	1033.9	1057.6	1358.1	1957.1	2235.9	2085.6	4361.1	13873.9	22716.6	27360.4
72.5°	723.5	731.5	943.0	1490.6	1801.0	1522.2	2075.8	9249.9	17181.3	21475.1
75°	490.3	500.2	634.6	1093.2	1445.1	1162.4	1099.2	4960.1	10086.2	11887.1
77.5°	300.5	304.4	409.2	747.3	1081.4	885.7	707.7	2101.5	3902.4	3831.2
80°	170.0	170.0	261.0	464.6	737.4	571.3	496.2	893.6	1235.6	1085.3
82.5°	94.9	96.9	189.8	288.6	488.3	338.1	272.8	413.2	533.8	472.5
85°	39.5	43.5	116.6	136.4	233.3	168.0	110.7	174.0	197.7	175.9
87.5°	4.0	5.9	35.6	25.7	27.7	33.6	15.8	33.6	27.7	27.7
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°
4548.9	0°	4548.9	4548.9	4548.9	4548.9	4548.9	4548.9	4548.9	4548.9	4548.9	4548.9
4616.1	2.5°	4578.5	4548.9	4473.7	4386.8	4272.1	4216.7	4141.6	4090.2	4046.7	4050.7
4730.7	5°	4667.5	4592.4	4424.3	4214.8	3953.8	3768.0	3570.3	3433.9	3323.2	3299.5
4888.9	7.5°	4790.0	4671.4	4376.9	3999.3	3558.4	3224.3	2925.8	2734.1	2597.7	2554.2
5080.6	10°	4948.2	4776.2	4315.6	3728.4	3093.9	2668.8	2348.6	2198.3	2105.4	2073.8
5306.0	12.5°	5132.0	4896.8	4234.5	3398.3	2615.4	2206.2	2002.6	1927.5	1897.8	1887.9
5582.8	15°	5363.3	5047.0	4112.0	3006.9	2210.2	1923.5	1836.5	1826.7	1830.6	1826.7
5914.9	17.5°	5638.1	5211.1	3912.3	2603.6	1937.4	1779.2	1747.6	1755.5	1765.4	1763.4
6286.6	20°	5938.6	5373.2	3657.3	2245.8	1751.5	1676.4	1658.6	1666.5	1674.4	1670.5
6715.6	22.5°	6280.6	5547.2	3374.6	1967.0	1627.0	1581.5	1561.8	1563.7	1563.7	1555.8
7259.2	25°	6689.9	5739.0	3078.0	1769.3	1532.1	1496.5	1472.8	1464.9	1453.0	1429.3
7919.5	27.5°	7178.1	5942.6	2793.4	1630.9	1457.0	1423.4	1395.7	1375.9	1346.3	1306.7
8712.2	30°	7727.7	6189.7	2552.2	1544.0	1397.7	1364.1	1332.4	1302.8	1259.3	1209.9
9623.6	32.5°	8374.2	6454.6	2376.2	1486.6	1344.3	1308.7	1271.2	1235.6	1188.1	1138.7
10647.6	35°	9145.2	6774.9	2273.4	1447.1	1302.8	1255.3	1213.8	1174.3	1138.7	1095.2
11760.6	37.5°	9981.4	7114.9	2241.8	1427.3	1275.1	1202.0	1154.5	1126.8	1122.9	1097.2
12964.6	40°	10896.7	7518.2	2265.5	1415.5	1245.5	1150.6	1099.2	1093.2	1103.1	1057.6
14251.5	42.5°	11865.4	7996.6	2305.1	1401.6	1203.9	1099.2	1049.7	1049.7	1041.8	978.6
15611.6	45°	12913.2	8548.1	2344.6	1368.0	1154.5	1047.8	1010.2	996.4	962.8	901.5
16979.6	47.5°	13968.8	9109.6	2374.3	1306.7	1095.2	1004.3	970.7	939.0	889.6	834.3
18322.0	50°	14971.1	9613.7	2342.6	1215.8	1028.0	962.8	927.2	883.7	830.3	792.7
19593.1	52.5°	15866.6	10050.6	2208.2	1109.0	956.8	919.3	887.6	842.2	798.7	759.1
20739.7	55°	16645.6	10404.5	1971.0	1008.2	893.6	881.7	850.1	792.7	733.4	699.8
21876.4	57.5°	17392.8	10673.3	1674.4	925.2	836.2	840.2	792.7	741.3	686.0	650.4
23408.5	60°	18387.2	11033.1	1373.9	848.1	774.9	786.8	735.4	697.8	628.7	583.2
26035.9	62.5°	19976.6	11592.6	1091.3	753.2	703.8	707.7	686.0	640.5	557.5	504.1
27983.1	65°	21237.9	11387.0	860.0	650.4	622.7	628.7	628.7	579.2	490.3	429.0
28087.9	67.5°	21095.6	9750.1	686.0	549.6	545.6	549.6	563.4	521.9	434.9	385.5
25948.9	70°	19433.0	7755.4	549.6	456.7	474.5	464.6	504.1	476.4	391.4	342.0
20117.0	72.5°	15856.8	5586.7	419.1	377.6	363.8	379.6	454.7	429.0	326.2	270.8
10655.5	75°	9265.8	2981.2	312.4	298.5	262.9	316.3	403.3	365.7	249.1	199.7
3265.8	77.5°	3016.8	1039.9	229.3	219.4	195.7	255.0	344.0	308.4	203.6	158.2
956.8	80°	808.6	314.3	156.2	144.3	126.5	189.8	272.8	245.1	146.3	102.8
411.2	82.5°	324.2	132.5	90.9	81.1	69.2	130.5	215.5	197.7	108.7	65.2
128.5	85°	104.8	43.5	33.6	25.7	31.6	81.1	128.5	134.4	77.1	33.6
19.8	87.5°	13.8	5.9	5.9	7.9	5.9	13.8	39.5	37.6	21.7	4.0
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°
4548.9
4011.1
3246.1
2510.7
2050.1
1882.0
1824.7
1759.4
1668.5
1551.9
1425.3
1302.8
1205.9
1140.7
1091.3
1095.2
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832.3
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