

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: P849693

Luminaire Tested: **GLAN-SB6D-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50647 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

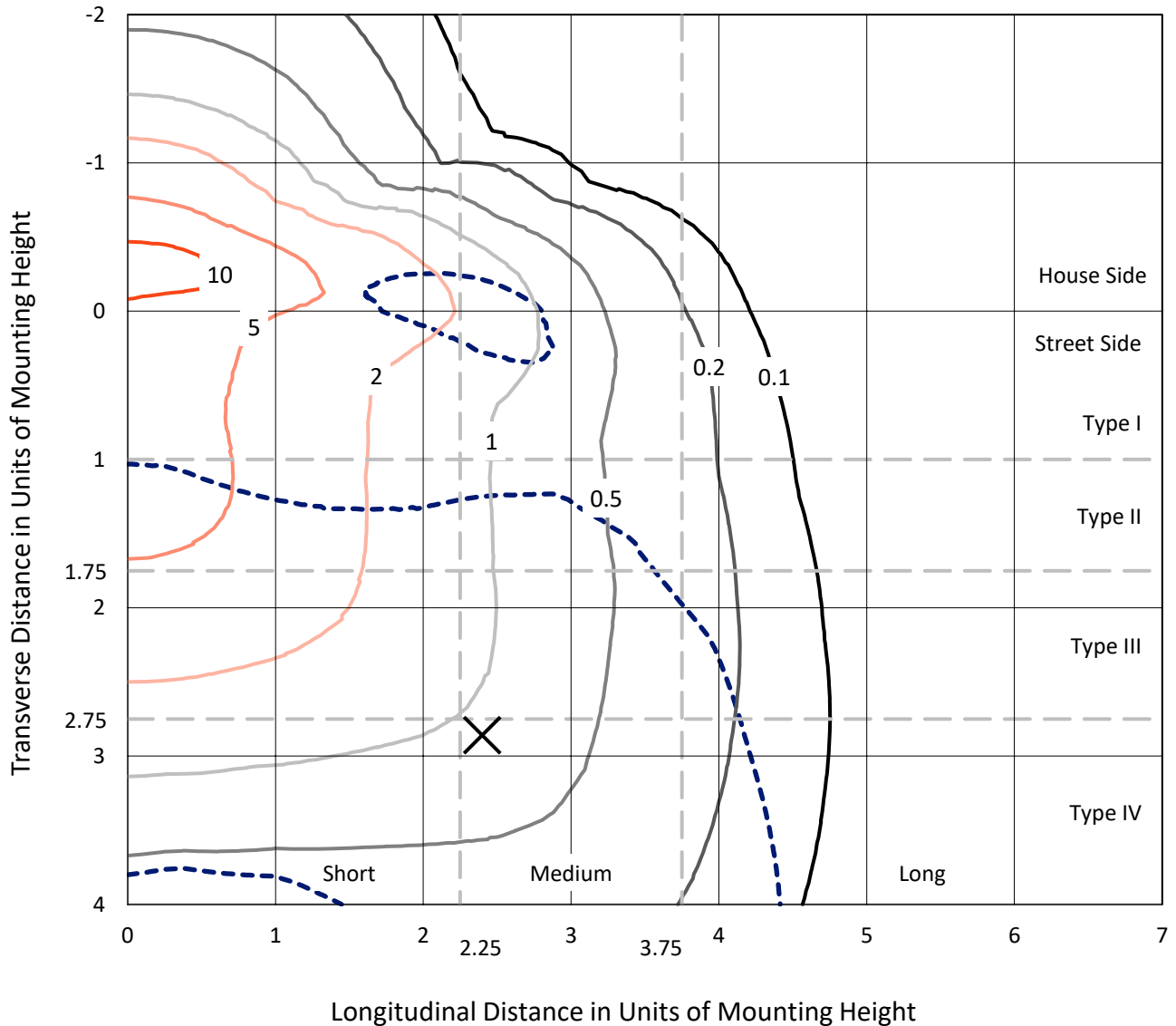
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

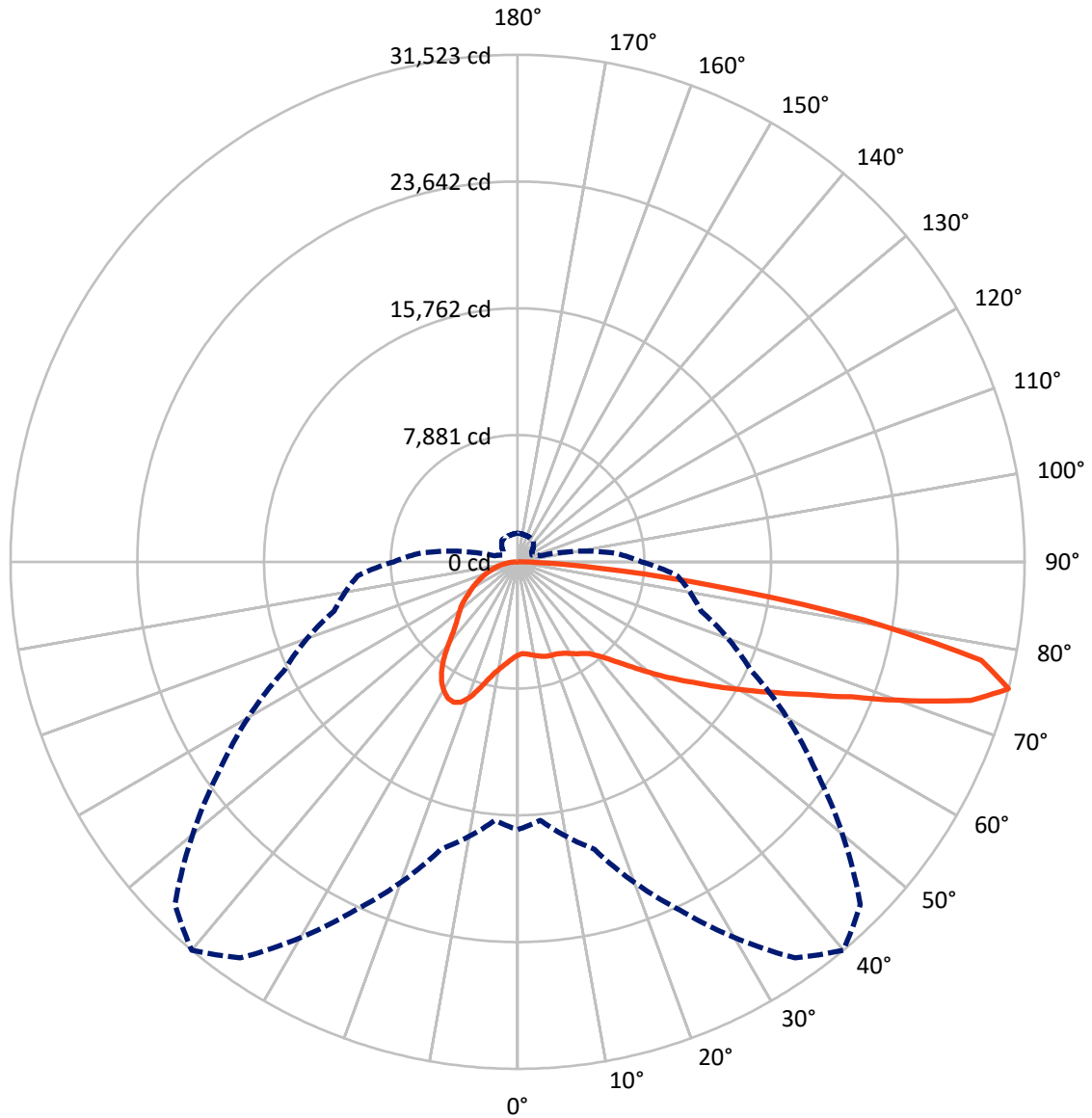
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15692.1	0.0	15692.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	34954.9	0.0	34954.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	50647.0	0.0	50647.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.1	1.1
10°-20°	1941.0	3.8
20°-30°	3544.1	7.0
30°-40°	5026.4	9.9
40°-50°	6787.2	13.4
50°-60°	9130.6	18.0
60°-70°	11588.9	22.9
70°-80°	10517.6	20.8
80°-90°	1533.1	3.0
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°	50647.0	100.0
0°-180°	50647.0	100.0

Coefficient of Utilization

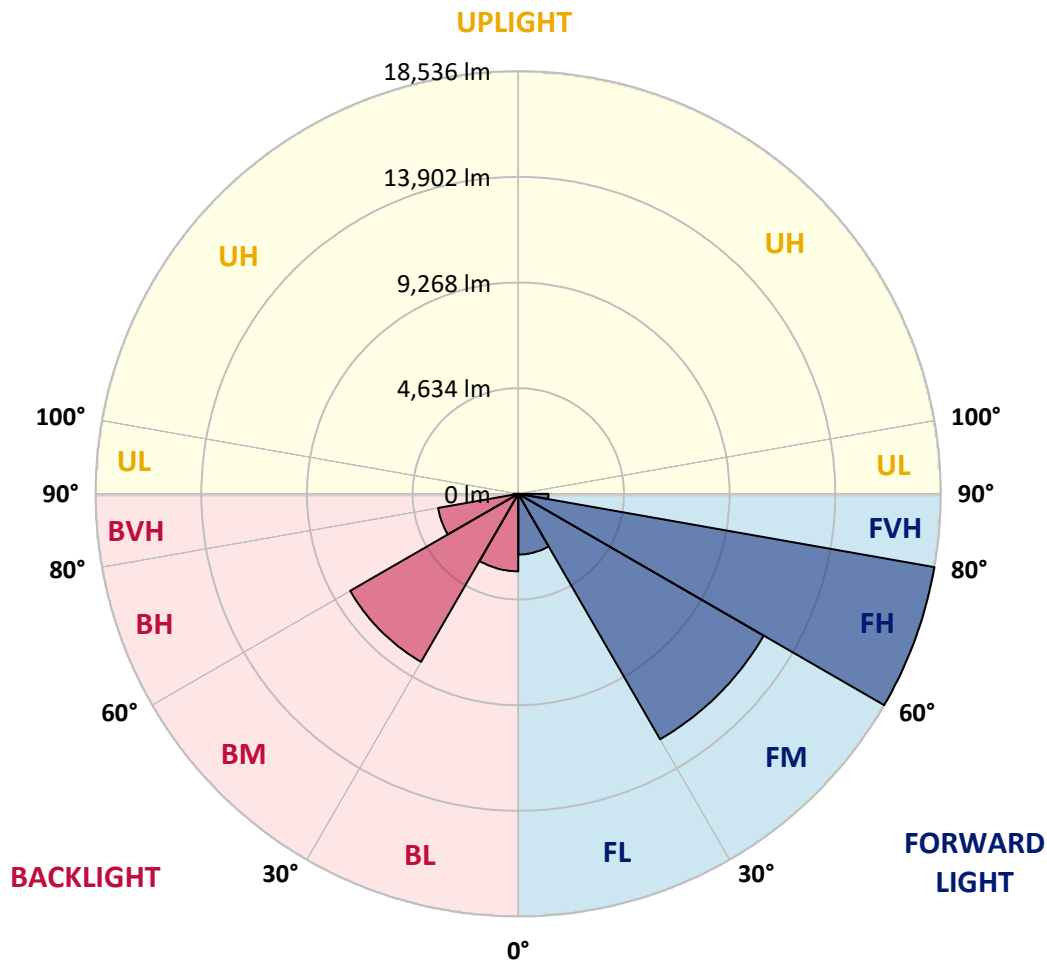


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2664.1	5.3			
FM (30°-60°)	12432.7	24.5			
FH (60°-80°)	18536.0	36.6			G5
FVH (80°-90°)	1322.1	2.6			G5
BL (0°-30°)	3399.1	6.7	B4/5000		
BM (30°-60°)	8511.6	16.8	B5		
BH (60°-80°)	3570.4	7.0	B4/5000		G4/5000
BVH (80°-90°)	211.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6
2.5°	5702.9	5735.1	5727.1	5716.3	5716.3	5719.0	5716.3	5735.1	5753.9	5772.7
5°	5762.0	5794.2	5778.1	5764.7	5753.9	5751.3	5743.2	5740.5	5751.3	5775.4
7.5°	5877.5	5909.7	5885.6	5861.4	5839.9	5829.2	5818.4	5802.3	5794.2	5807.7
10°	6006.5	6038.7	6009.1	5966.2	5931.2	5917.8	5907.1	5890.9	5880.2	5888.3
12.5°	6135.4	6167.6	6127.3	6068.2	6022.6	6014.5	6001.1	5995.7	5993.0	5990.3
15°	6256.3	6283.1	6232.1	6162.3	6113.9	6100.5	6087.0	6095.1	6108.5	6124.6
17.5°	6350.3	6377.2	6301.9	6210.6	6164.9	6159.6	6151.5	6178.4	6216.0	6256.3
20°	6436.3	6463.1	6366.4	6242.8	6189.1	6189.1	6191.8	6248.2	6301.9	6361.0
22.5°	6557.1	6578.6	6460.4	6291.2	6213.3	6218.7	6240.2	6296.6	6363.7	6444.3
25°	6737.1	6753.2	6608.2	6382.5	6293.9	6310.0	6328.8	6355.7	6420.1	6514.2
27.5°	7027.2	7040.7	6849.9	6543.7	6409.4	6436.3	6463.1	6444.3	6473.9	6554.4
30°	7435.5	7443.6	7201.8	6796.2	6605.5	6618.9	6624.3	6546.4	6490.0	6554.4
32.5°	7919.1	7916.4	7628.9	7102.4	6828.4	6815.0	6769.3	6616.2	6484.6	6541.0
35°	8668.5	8639.0	8268.3	7532.2	7081.0	6997.7	6890.2	6694.1	6511.5	6527.6
37.5°	9909.6	9818.2	9305.2	8236.0	7457.0	7244.8	7086.3	6820.4	6570.6	6522.2
40°	11309.1	11193.6	10629.5	9200.4	8021.1	7680.0	7424.8	7000.4	6667.3	6546.4
42.5°	12969.2	12805.3	12198.3	10336.7	8735.7	8241.4	7857.3	7228.7	6809.6	6624.3
45°	15008.1	14790.5	13930.9	11618.0	9635.6	8977.4	8464.4	7575.2	7027.2	6774.7
47.5°	17068.4	17122.1	15899.9	13084.7	10715.4	9885.4	9224.6	8096.4	7344.2	7016.5
50°	19257.7	19295.3	17858.2	14709.9	11940.4	10911.5	10078.8	8679.3	7784.7	7360.3
52.5°	20966.2	20971.5	19636.5	16410.3	13216.3	12039.8	11000.2	9345.5	8295.1	7817.0
55°	22035.3	22021.9	20882.9	18019.4	14683.0	13224.4	12021.0	10103.0	8918.3	8354.2
57.5°	22811.6	22771.3	21742.5	19402.8	16246.4	14623.9	13176.0	10962.6	9654.4	8993.6
60°	23107.1	23082.9	22325.4	20598.2	17890.4	16171.2	14508.4	11924.3	10489.8	9748.4
62.5°	23219.9	23265.6	22897.6	21755.9	19649.9	17885.0	15972.4	13074.0	11430.0	10602.6
65°	23617.5	23700.8	23625.6	23271.0	21637.7	19891.7	17914.6	14441.3	12456.1	11518.6
67.5°	24404.6	24487.8	24520.1	25084.2	24066.1	22392.6	20337.6	16144.4	13656.9	12469.6
70°	24385.8	24361.6	24931.1	26526.7	27106.9	25855.1	23604.1	18239.6	15088.7	13259.3
72.5°	22196.5	22003.1	23348.9	26510.6	29637.4	29470.8	27593.1	20942.0	16324.3	13356.0
75°	16652.1	16136.3	18513.6	23891.5	30059.1	31523.1	30129.0	22618.2	16031.5	11800.7
77.5°	7121.2	6602.8	9404.6	17686.3	26902.8	29468.1	27802.7	19733.2	12797.3	7803.6
80°	1864.3	1861.6	2842.1	8018.5	18296.0	21761.3	19091.2	12743.6	7312.0	2788.3
82.5°	771.0	752.1	1045.0	3118.7	8939.8	12211.7	9966.0	5684.1	2640.6	754.8
85°	287.4	284.7	507.7	1077.2	3153.7	5036.7	3645.2	1453.3	658.1	368.0
87.5°	80.6	77.9	110.1	373.4	768.3	1165.8	623.2	239.1	185.4	145.1
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°
5791.6	0°	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6
5802.3	2.5°	5810.4	5823.8	5848.0	5866.8	5890.9	5917.8	5955.4	5979.6	6003.8	6019.9
5815.7	5°	5834.5	5864.1	5925.9	5987.6	6060.2	6127.3	6205.2	6261.6	6307.3	6320.7
5864.1	7.5°	5888.3	5936.6	6041.4	6146.1	6261.6	6371.8	6484.6	6581.3	6659.2	6688.8
5950.0	10°	5982.3	6046.7	6194.5	6342.2	6495.3	6664.6	6809.6	6949.3	7059.5	7105.1
6052.1	12.5°	6100.5	6181.1	6374.5	6578.6	6790.8	7024.5	7212.6	7384.5	7521.5	7583.3
6194.5	15°	6253.6	6358.4	6605.5	6879.5	7191.1	7516.1	7755.2	7945.9	8099.0	8174.3
6342.2	17.5°	6420.1	6559.8	6871.4	7285.1	7731.0	8158.1	8437.5	8577.2	8735.7	8808.2
6479.2	20°	6581.3	6753.2	7199.1	7800.9	8394.5	8848.5	9074.1	9111.8	9122.5	9130.6
6608.2	22.5°	6747.9	6978.9	7610.1	8450.9	9087.6	9401.9	9434.1	9272.9	9047.3	8942.5
6734.4	25°	6930.5	7236.8	8147.4	9168.2	9683.9	9721.5	9474.4	9082.2	8655.1	8459.0
6836.5	27.5°	7107.8	7534.9	8792.1	9853.2	10113.7	9783.3	9251.4	8695.4	8179.6	7972.8
6909.0	30°	7285.1	7876.1	9503.9	10452.2	10309.8	9630.2	8899.5	8279.0	7760.6	7543.0
6973.5	32.5°	7465.1	8273.6	10323.3	10884.7	10274.9	9305.2	8461.7	7811.6	7354.9	7126.6
7029.9	35°	7669.2	8762.5	11099.6	11121.1	10041.2	8827.0	7884.1	7252.9	6855.3	6672.6
7097.1	37.5°	7935.2	9383.1	11784.6	11180.2	9632.9	8125.9	7166.9	6592.1	6264.3	6181.1
7196.5	40°	8265.6	10129.8	12308.4	11086.1	9028.5	7274.4	6382.5	5923.2	5737.8	5756.6
7330.8	42.5°	8695.4	10965.3	12676.4	10844.4	8187.7	6396.0	5694.8	5490.7	5579.3	5654.6
7532.2	45°	9254.1	11832.9	12904.7	10433.4	7236.8	5651.9	5289.2	5337.6	5404.7	5412.8
7857.3	47.5°	9968.7	12711.3	13055.2	9812.9	6267.0	5128.0	5031.3	5042.1	5028.7	4972.2
8343.5	50°	10860.5	13565.6	13189.5	8990.9	5442.3	4800.3	4671.4	4633.8	4448.4	4265.8
8990.9	52.5°	11875.9	14349.9	13245.9	7970.1	4800.3	4526.3	4316.8	4080.4	3733.9	3677.5
9804.8	55°	13004.1	15075.2	13100.8	6715.6	4260.4	4174.4	3857.5	3572.7	3535.1	3486.8
10876.6	57.5°	14352.6	15856.9	12805.3	5316.1	3707.0	3763.4	3454.5	3486.8	3419.6	3344.4
12254.7	60°	15827.4	16665.5	12286.9	4040.1	3134.9	3250.4	3349.8	3347.1	3328.3	3266.5
13707.9	62.5°	17154.4	17197.4	11266.1	3094.6	2632.5	2852.8	3124.1	3121.4	3105.3	3070.4
15225.7	65°	17944.1	17116.8	9563.0	2436.4	2218.8	2525.1	2817.9	2839.4	2842.1	2839.4
16367.3	67.5°	17804.5	16173.9	7226.0	1939.5	1877.7	2192.0	2514.3	2543.9	2565.4	2570.7
16512.4	70°	16224.9	14102.8	4711.7	1547.3	1574.1	1899.2	2226.9	2256.4	2275.3	2296.7
14328.4	72.5°	12646.9	10368.9	2697.0	1251.8	1308.2	1646.7	1942.2	1977.1	1987.8	2028.1
9971.4	75°	7706.8	6097.8	1455.9	985.9	1074.5	1407.6	1660.1	1700.4	1719.2	1767.6
4897.0	77.5°	3664.0	2640.6	830.1	768.3	865.0	1149.7	1402.2	1447.9	1396.8	1423.7
1351.2	80°	1238.4	980.5	523.8	585.6	660.8	897.2	1122.9	1168.5	1061.1	1055.7
448.6	82.5°	432.5	397.6	333.1	389.5	427.1	642.0	848.9	908.0	789.8	787.1
201.5	85°	169.2	161.2	185.4	212.2	255.2	394.9	558.7	588.3	486.2	392.2
59.1	87.5°	34.9	37.6	45.7	48.4	77.9	137.0	201.5	247.1	196.1	166.5
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>
5791.6
6009.1
6326.1
6691.4
7107.8
7583.3
8168.9
8805.5
9152.0
8972.1
8488.5
7997.0
7567.2
7156.2
6712.9
6240.2
5821.1
5724.4
5466.5
5015.2
4289.9
3696.3
3494.8
3330.9
3245.0
3057.0
2839.4
2576.1
2307.5
2044.2
1772.9
1402.2
1045.0
749.5
386.8
153.1
0.0

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