

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: P852054

Luminaire Tested: **GLAN-SB1A-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3334 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

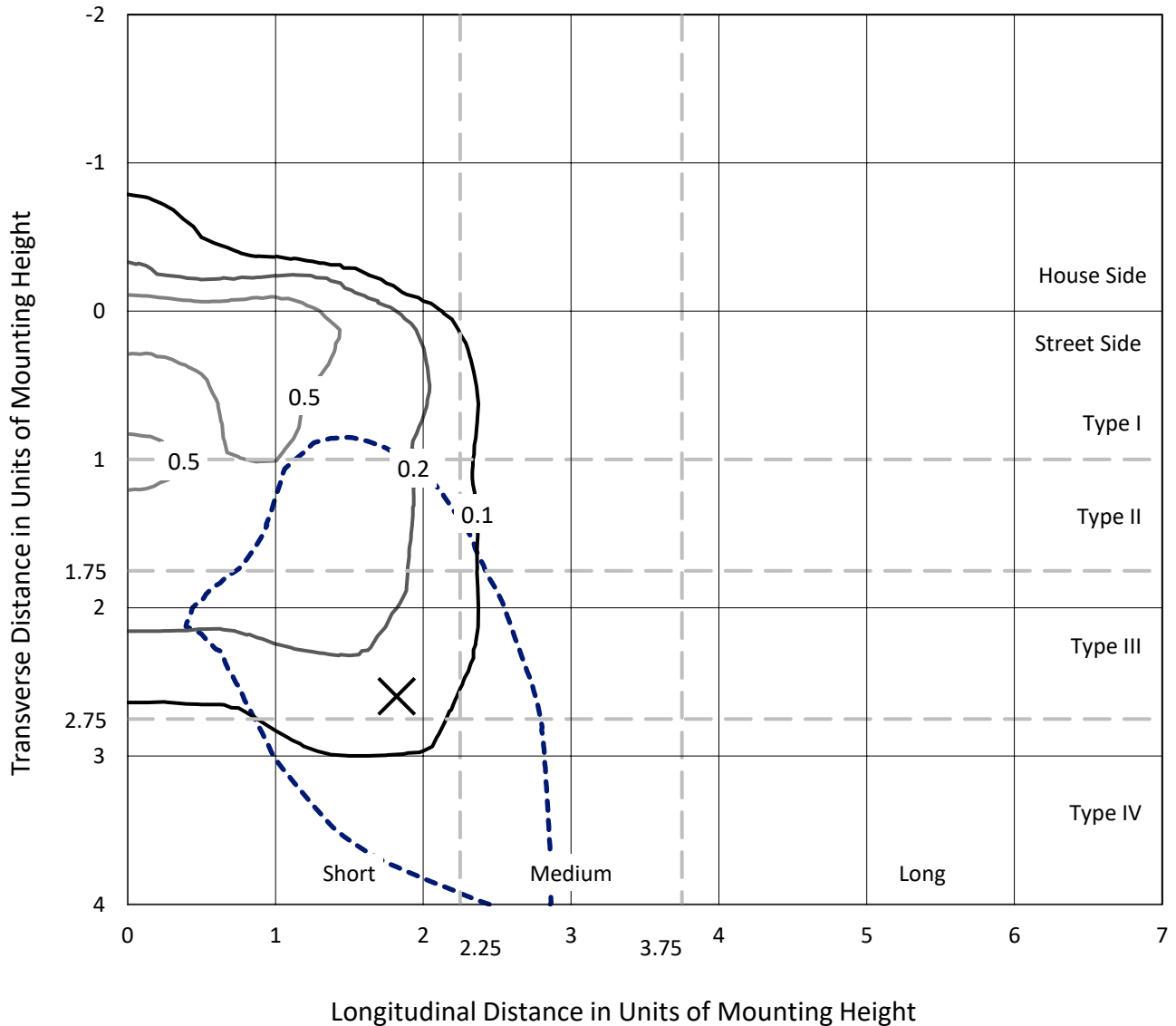
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

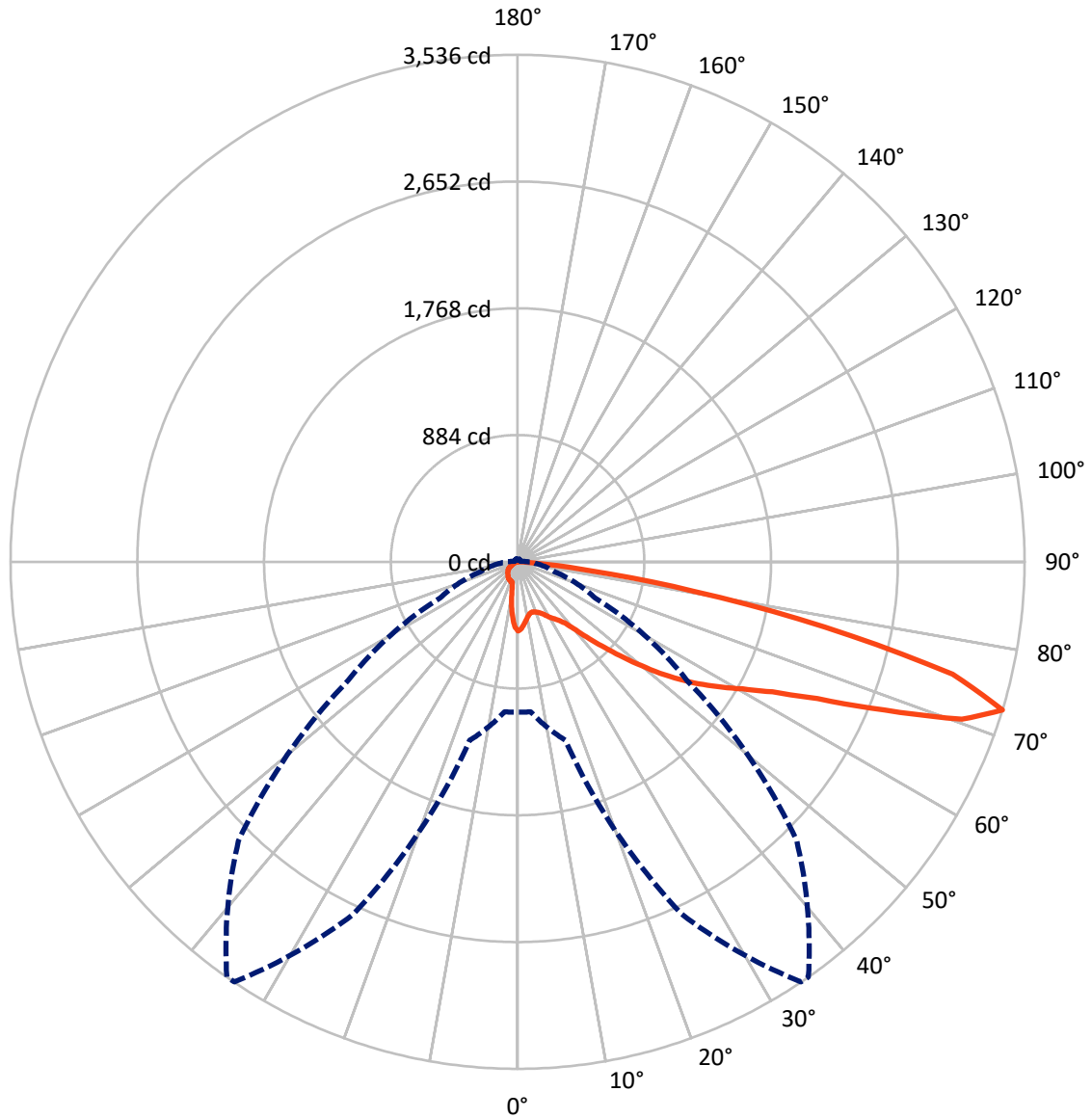
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	375.2	0.0	375.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2958.8	0.0	2958.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	3334.0	0.0	3334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	1.2
10°-20°	92.9	2.8
20°-30°	150.9	4.5
30°-40°	251.8	7.6
40°-50°	476.4	14.3
50°-60°	756.9	22.7
60°-70°	936.4	28.1
70°-80°	582.1	17.5
80°-90°	47.0	1.4
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°	3334.0	100.0
0°-180°	3334.0	100.0

Coefficient of Utilization



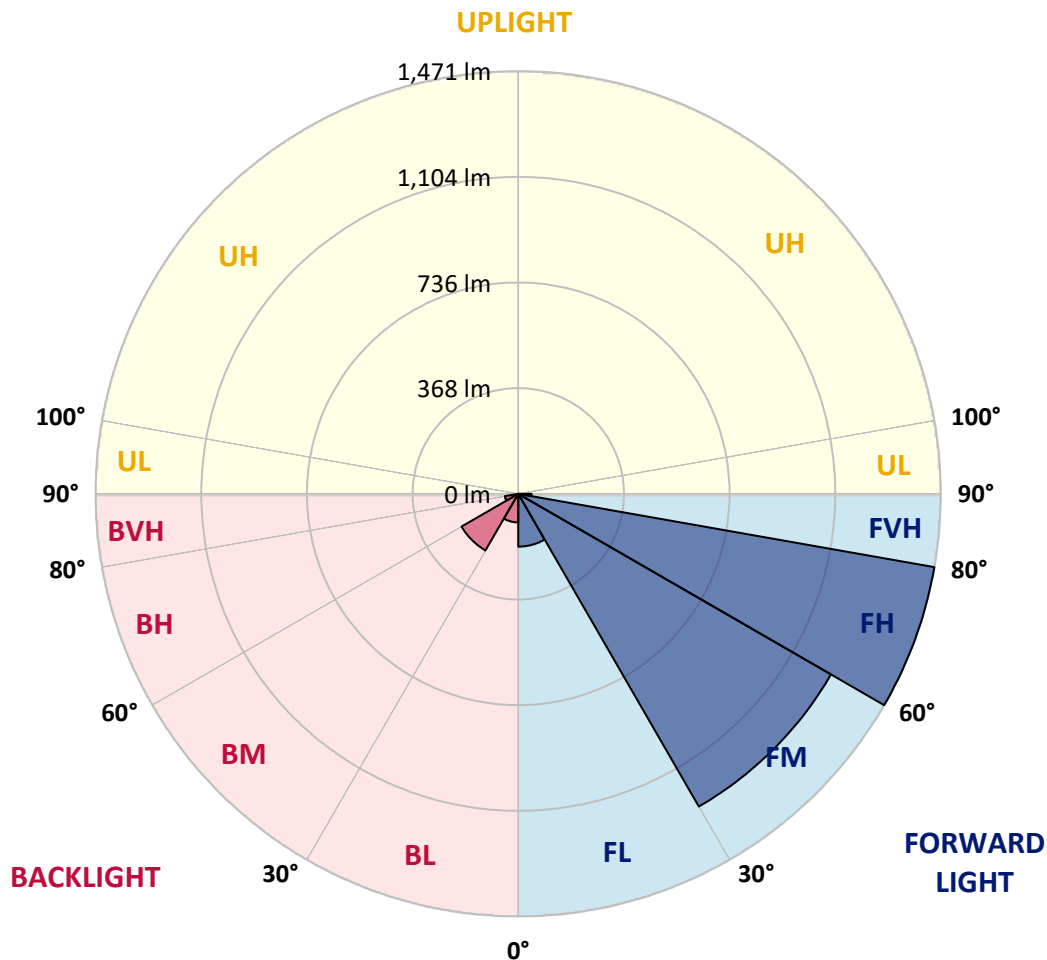
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.8	5.5			
FM (30°-60°)	1257.3	37.7			
FH (60°-80°)	1471.3	44.1			G1/1800
FVH (80°-90°)	46.4	1.4			G1/100
BL (0°-30°)	99.7	3.0	B0/110		
BM (30°-60°)	227.8	6.8	B1/1000		
BH (60°-80°)	47.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2
2.5°	461.7	465.6	466.4	467.6	467.6	469.0	471.5	474.9	480.5	483.5
5°	425.6	428.5	432.2	435.1	440.7	441.4	451.0	460.2	473.2	483.0
7.5°	389.2	392.6	397.5	404.5	411.9	414.1	428.5	444.1	464.6	483.0
10°	363.5	363.7	368.1	375.2	387.0	389.6	407.2	429.5	455.1	480.0
12.5°	349.1	350.8	352.8	358.1	369.4	371.1	389.9	416.0	445.6	478.3
15°	349.1	350.3	351.5	354.2	363.3	364.7	381.3	407.5	440.7	479.1
17.5°	352.8	354.7	353.7	356.9	366.4	367.4	382.1	405.0	440.5	483.7
20°	361.6	363.0	361.1	363.0	372.5	374.5	389.6	409.7	444.6	491.8
22.5°	375.5	376.2	371.6	373.0	382.8	385.2	402.8	422.9	454.6	504.7
25°	393.1	394.5	387.4	389.2	398.4	401.4	421.6	442.7	470.5	522.5
27.5°	413.3	414.1	408.0	407.7	419.7	423.8	444.4	467.1	491.8	545.0
30°	436.5	438.7	432.9	431.9	447.1	450.5	470.7	497.1	523.0	578.7
32.5°	454.9	456.6	453.2	455.6	471.0	473.7	502.8	539.6	572.1	626.6
35°	481.3	482.2	474.4	478.8	496.4	503.2	546.5	599.2	633.9	686.7
37.5°	576.8	576.8	543.5	521.8	538.7	544.8	606.3	674.2	710.2	767.3
40°	708.9	706.7	658.1	613.7	611.5	623.4	691.6	768.8	808.6	864.1
42.5°	849.9	846.5	780.3	736.3	729.0	733.1	790.0	885.3	925.9	982.1
45°	975.0	974.0	913.4	854.3	841.1	854.3	912.9	1021.6	1050.7	1109.8
47.5°	1079.8	1079.8	1035.6	997.0	990.1	997.9	1079.3	1172.8	1170.2	1245.9
50°	1200.4	1199.5	1157.5	1140.8	1147.9	1158.9	1270.8	1332.1	1293.8	1379.5
52.5°	1285.0	1290.8	1276.4	1273.7	1309.9	1328.9	1465.3	1488.0	1404.4	1506.3
55°	1351.9	1358.7	1375.4	1394.2	1463.8	1488.7	1653.6	1635.8	1497.0	1616.2
57.5°	1446.7	1436.9	1462.6	1499.7	1612.3	1642.4	1836.1	1775.3	1571.5	1705.4
60°	1561.8	1563.2	1567.6	1614.5	1760.6	1799.2	2015.9	1907.2	1619.4	1760.1
62.5°	1700.0	1702.2	1711.3	1783.3	1959.7	1996.1	2207.4	2015.2	1641.4	1744.7
65°	1690.5	1699.8	1800.7	2047.2	2262.4	2298.3	2430.9	2090.9	1608.2	1604.0
67.5°	1540.0	1555.2	1724.0	2362.3	2718.7	2758.8	2701.1	2105.8	1464.8	1247.4
70°	1342.6	1348.0	1551.0	2645.7	3247.1	3287.7	2943.0	1941.9	1111.5	695.7
72.5°	1048.5	1049.7	1287.9	2711.4	3533.9	3536.1	2753.2	1441.6	597.8	267.3
75°	749.0	741.7	862.6	2198.9	3109.1	3134.0	2064.0	676.2	228.4	126.3
77.5°	401.6	409.7	488.1	1304.0	2147.8	2190.3	1126.2	194.9	116.3	86.0
80°	124.1	130.9	200.1	597.0	1216.6	1242.2	417.5	86.7	81.1	61.3
82.5°	39.1	40.6	93.3	250.9	505.0	516.7	120.9	49.1	55.5	40.6
85°	11.2	11.5	41.5	93.6	124.8	127.3	34.0	19.1	31.8	25.2
87.5°	1.2	3.9	15.6	15.6	11.0	10.7	3.7	4.2	9.0	3.2
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°
483.2	0°	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2	483.2
485.4	2.5°	484.2	484.4	481.3	475.9	470.0	465.1	459.0	454.1	450.7	449.7
489.8	5°	487.6	485.9	476.9	460.5	440.9	424.1	405.3	390.4	380.6	376.5
494.4	7.5°	492.7	487.8	468.1	435.8	398.4	365.2	331.5	305.4	288.8	280.4
498.8	10°	497.1	487.4	453.4	400.1	343.0	292.7	247.2	215.7	198.1	189.8
504.0	12.5°	501.3	487.1	434.4	357.9	280.4	218.9	176.6	161.0	156.1	154.4
512.3	15°	509.1	487.8	410.4	309.5	218.2	165.4	150.0	149.8	150.7	150.2
525.0	17.5°	519.9	488.6	383.3	258.2	168.3	145.8	145.1	147.3	148.8	148.0
540.9	20°	533.8	491.5	354.5	207.4	144.6	141.0	142.7	144.6	145.8	144.6
562.1	22.5°	553.3	496.6	323.0	166.6	137.0	138.0	139.5	141.7	142.9	141.2
589.2	25°	577.3	504.7	291.9	144.9	133.4	134.6	136.8	139.2	140.7	139.0
623.4	27.5°	608.3	517.7	263.3	140.0	129.7	130.5	133.6	137.3	139.2	137.0
672.0	30°	653.2	538.9	238.7	142.2	127.5	125.8	130.2	135.3	137.5	135.6
738.2	32.5°	712.8	569.0	223.5	145.6	126.5	120.4	124.6	131.2	134.8	133.6
824.7	35°	791.0	614.6	217.7	149.5	125.8	114.8	117.7	124.8	131.2	132.4
933.7	37.5°	885.8	678.2	219.4	151.2	123.6	110.2	111.6	117.7	126.1	130.0
1056.3	40°	993.5	752.2	229.1	149.5	121.2	106.3	106.5	111.2	118.5	124.3
1188.2	42.5°	1104.7	838.7	247.2	143.2	119.0	102.8	102.1	105.3	110.2	114.3
1319.9	45°	1210.5	927.6	265.1	134.4	116.3	99.4	97.7	98.9	99.9	101.6
1448.2	47.5°	1302.8	990.1	259.9	126.3	112.6	95.5	92.6	92.1	89.2	88.9
1562.7	50°	1366.6	1003.8	230.9	118.2	107.2	91.1	86.5	83.5	78.4	76.0
1648.5	52.5°	1386.8	949.8	188.6	110.2	98.4	85.3	78.7	74.0	67.7	65.5
1697.8	55°	1360.0	844.0	150.7	100.4	86.2	77.4	70.1	64.0	58.9	56.2
1703.2	57.5°	1294.3	709.4	119.2	88.9	73.3	68.6	61.3	55.2	50.8	48.1
1643.6	60°	1185.3	563.3	94.3	75.2	62.5	59.1	51.5	47.6	43.7	40.6
1489.7	62.5°	1019.9	402.1	74.0	59.6	52.3	48.4	44.0	41.0	36.4	32.0
1212.9	65°	795.9	246.0	57.2	43.7	42.0	40.1	37.4	34.7	29.1	24.7
791.3	67.5°	502.0	116.5	40.8	33.0	33.2	32.2	31.0	28.8	24.7	20.8
354.5	70°	221.1	56.4	26.9	25.2	24.7	24.7	25.7	24.9	21.0	17.3
123.1	72.5°	75.2	30.3	20.0	19.1	17.8	17.6	21.5	20.8	16.9	13.4
61.3	75°	39.3	20.3	14.7	13.7	10.7	12.9	17.1	16.1	12.0	8.8
40.6	77.5°	25.7	14.4	10.0	8.8	6.1	8.6	12.7	11.2	7.1	4.4
26.6	80°	16.1	9.5	5.9	4.2	2.9	4.6	6.8	4.9	2.7	1.0
15.6	82.5°	8.6	4.9	2.2	1.5	1.2	1.5	1.7	1.2	0.5	0.0
8.1	85°	3.4	1.7	0.7	0.5	0.2	0.0	0.5	0.2	0.0	0.0
1.5	87.5°	1.2	0.2	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°
483.2
451.5
377.9
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