

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: P852142

Luminaire Tested: **GLAN-SB1C-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852142
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-SB1C-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 615mA 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: 3827 lumens
Efficiency: N/A
Efficacy: 70.3 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

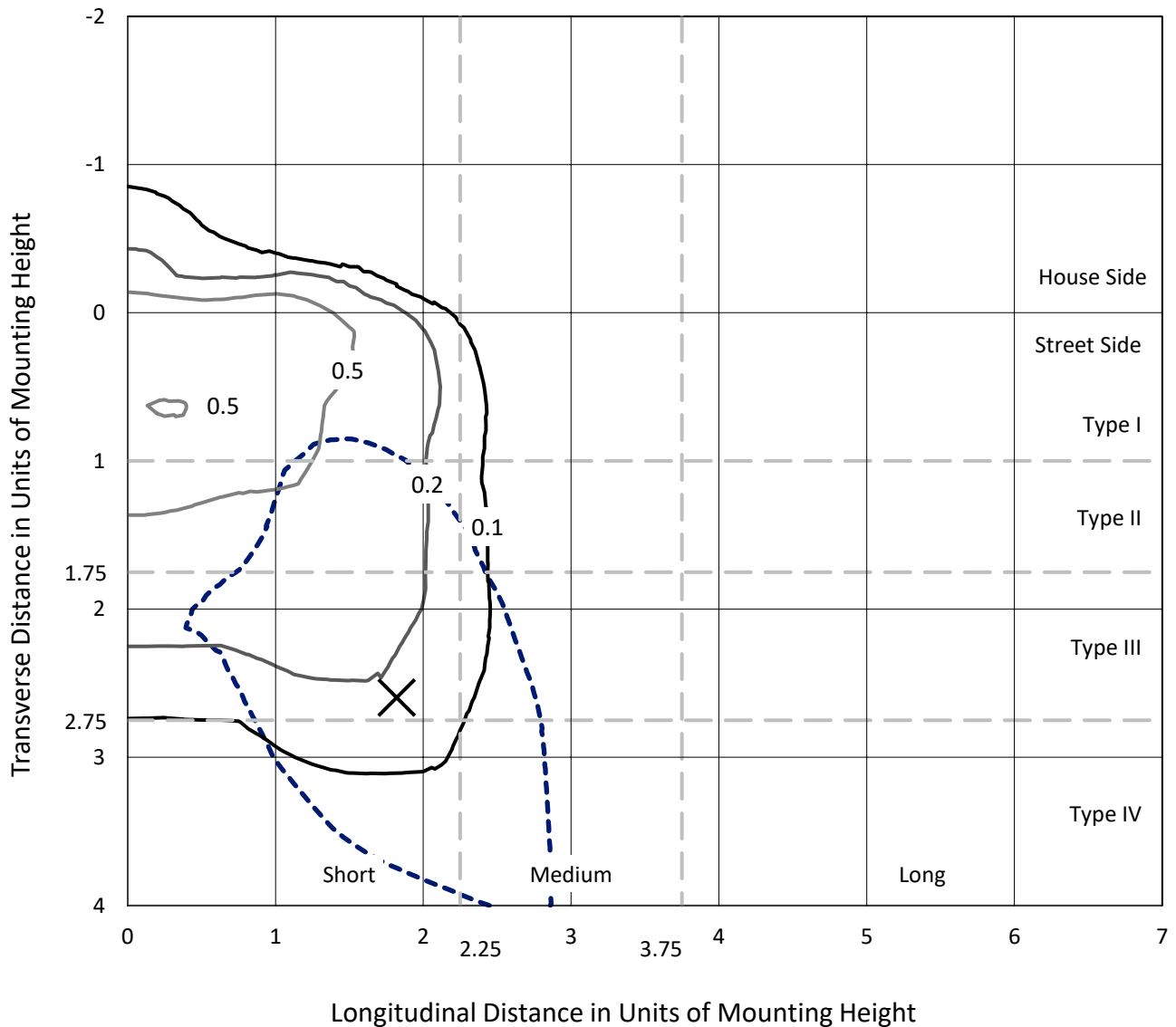
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852142
 CATALOG NUMBER: GLAN-SB1C-930-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

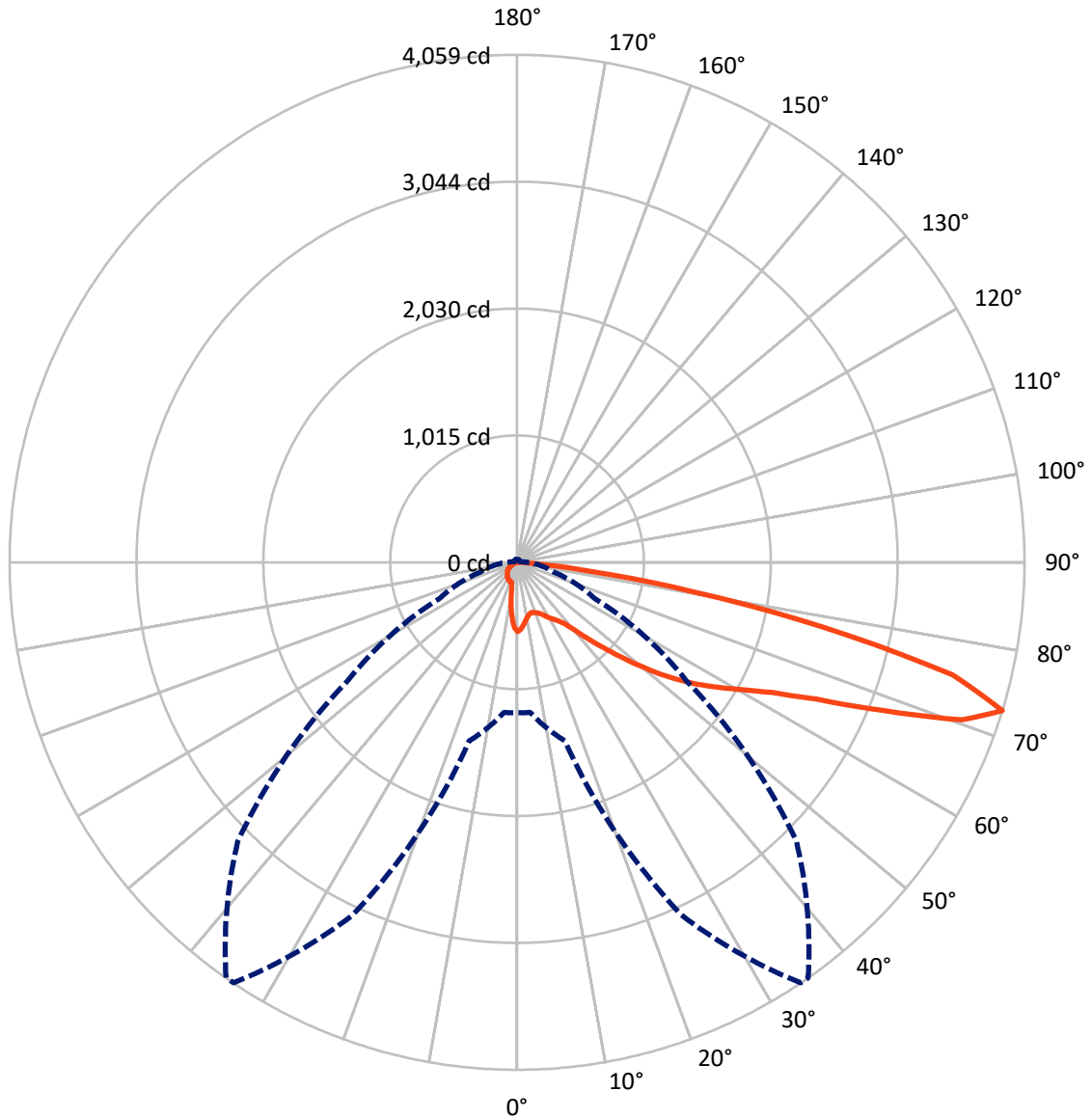
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P852142
CATALOG NUMBER: GLAN-SB1C-930-U-T4FT-HSS

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	430.7	0.0	430.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	3396.3	0.0	3396.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	3827.0	0.0	3827.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.2
10°-20°	106.6	2.8
20°-30°	173.2	4.5
30°-40°	289.0	7.6
40°-50°	546.8	14.3
50°-60°	868.9	22.7
60°-70°	1074.8	28.1
70°-80°	668.1	17.5
80°-90°	54.0	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°	3827.0	100.0
0°-180°	3827.0	100.0

Coefficient of Utilization



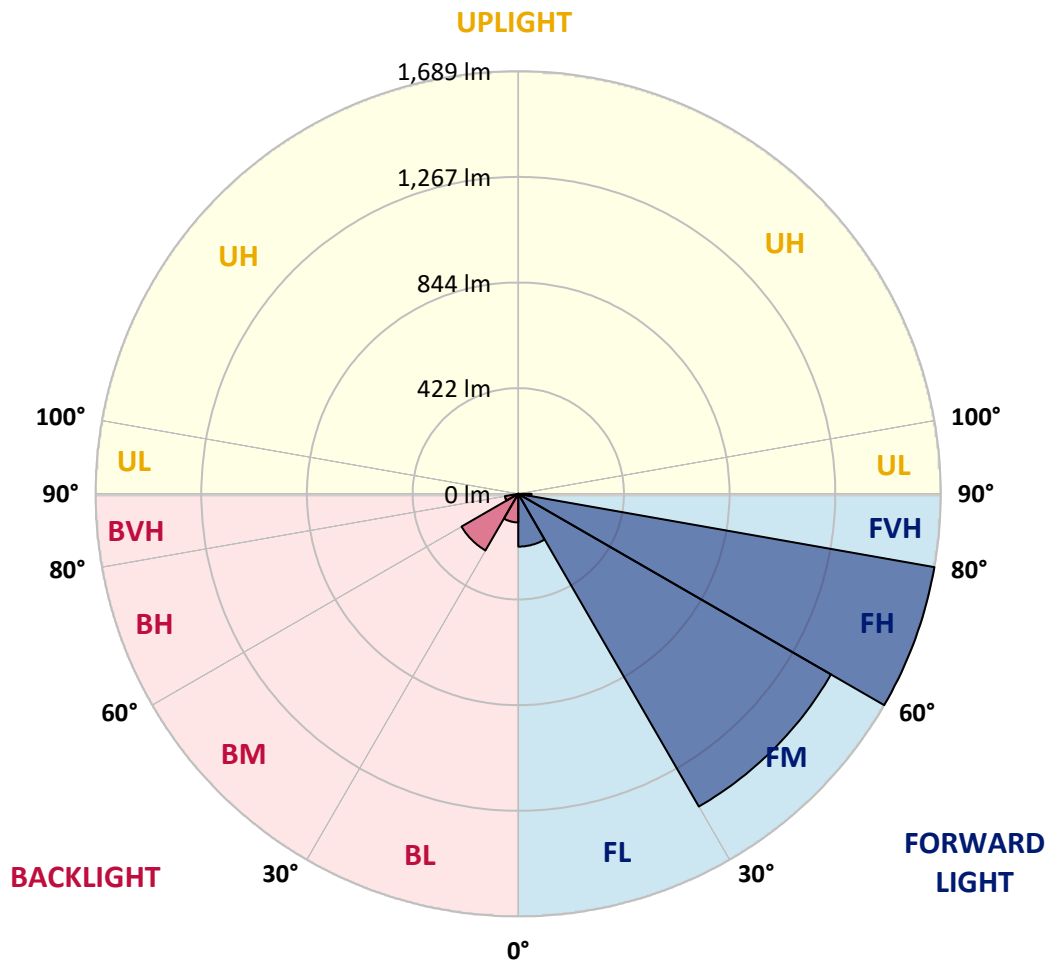
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.0	5.5			
FM (30°-60°)	1443.2	37.7			
FH (60°-80°)	1688.9	44.1			G1/1800
FVH (80°-90°)	53.3	1.4			G1/100
BL (0°-30°)	114.4	3.0	B1/500		
BM (30°-60°)	261.5	6.8	B1/1000		
BH (60°-80°)	54.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



REPORT NUMBER: P852142

CATALOG NUMBER: GLAN-SB1C-930-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7
2.5°	530.0	534.5	535.3	536.7	536.7	538.4	541.2	545.1	551.6	554.9
5°	488.5	491.8	496.1	499.4	505.9	506.7	517.6	528.3	543.2	554.4
7.5°	446.7	450.6	456.2	464.4	472.8	475.3	491.8	509.8	533.3	554.4
10°	417.3	417.5	422.6	430.7	444.2	447.3	467.5	493.0	522.4	551.0
12.5°	400.7	402.7	404.9	411.1	424.0	426.0	447.5	477.5	511.5	549.1
15°	400.7	402.1	403.5	406.6	417.0	418.7	437.7	467.7	505.9	549.9
17.5°	404.9	407.2	406.0	409.7	420.6	421.7	438.6	464.9	505.6	555.2
20°	415.0	416.7	414.5	416.7	427.6	429.9	447.3	470.3	510.4	564.5
22.5°	431.0	431.8	426.5	428.2	439.4	442.2	462.4	485.4	521.9	579.3
25°	451.2	452.9	444.7	446.7	457.4	460.7	484.0	508.1	540.1	599.8
27.5°	474.5	475.3	468.3	468.0	481.8	486.5	510.1	536.2	564.5	625.6
30°	501.1	503.6	496.9	495.8	513.2	517.1	540.4	570.6	600.4	664.3
32.5°	522.1	524.1	520.2	523.0	540.6	543.7	577.1	619.4	656.7	719.3
35°	552.4	553.5	544.6	549.6	569.8	577.7	627.3	687.9	727.7	788.2
37.5°	662.1	662.1	623.9	599.0	618.3	625.3	696.0	773.9	815.2	880.8
40°	813.8	811.2	755.4	704.4	701.9	715.6	793.9	882.5	928.2	991.8
42.5°	975.6	971.6	895.6	845.2	836.8	841.5	906.9	1016.2	1062.8	1127.3
45°	1119.1	1118.0	1048.5	980.6	965.5	980.6	1047.9	1172.7	1206.1	1273.9
47.5°	1239.4	1239.4	1188.7	1144.4	1136.5	1145.5	1238.9	1346.3	1343.2	1430.1
50°	1378.0	1376.8	1328.6	1309.5	1317.7	1330.3	1458.7	1529.1	1485.1	1583.5
52.5°	1475.0	1481.7	1465.2	1462.1	1503.6	1525.5	1681.9	1708.0	1612.1	1729.0
55°	1551.8	1559.7	1578.7	1600.3	1680.2	1708.8	1898.1	1877.7	1718.4	1855.2
57.5°	1660.6	1649.4	1678.8	1721.5	1850.7	1885.2	2107.6	2037.8	1803.9	1957.6
60°	1792.7	1794.4	1799.4	1853.3	2020.9	2065.3	2314.0	2189.2	1858.9	2020.4
62.5°	1951.4	1953.9	1964.3	2047.0	2249.5	2291.3	2533.8	2313.1	1884.1	2002.7
65°	1940.5	1951.1	2066.9	2349.9	2596.9	2638.1	2790.4	2400.1	1846.0	1841.2
67.5°	1767.7	1785.1	1978.9	2711.6	3120.7	3166.7	3100.5	2417.2	1681.4	1431.8
70°	1541.2	1547.3	1780.4	3036.9	3727.3	3773.8	3378.2	2229.0	1275.9	798.6
72.5°	1203.5	1204.9	1478.3	3112.3	4056.5	4059.0	3160.3	1654.7	686.2	306.8
75°	859.8	851.3	990.1	2524.0	3568.8	3597.4	2369.2	776.2	262.2	145.0
77.5°	461.0	470.3	560.3	1496.9	2465.4	2514.2	1292.7	223.8	133.5	98.7
80°	142.5	150.3	229.7	685.3	1396.5	1425.9	479.2	99.5	93.1	70.4
82.5°	44.9	46.5	107.1	288.0	579.6	593.1	138.8	56.4	63.7	46.5
85°	12.9	13.2	47.7	107.4	143.3	146.1	39.0	21.9	36.5	28.9
87.5°	1.4	4.5	17.9	17.9	12.6	12.3	4.2	4.8	10.4	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852142
 CATALOG NUMBER: GLAN-SB1C-930-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
554.7	0°	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7
557.2	2.5°	555.8	556.1	552.4	546.2	539.5	533.9	526.9	521.3	517.4	516.2
562.2	5°	559.7	557.7	547.4	528.6	506.1	486.8	465.2	448.1	436.9	432.1
567.6	7.5°	565.6	560.0	537.3	500.3	457.4	419.2	380.5	350.5	331.5	321.9
572.6	10°	570.6	559.4	520.4	459.3	393.7	335.9	283.8	247.6	227.4	217.9
578.5	12.5°	575.4	559.1	498.6	410.8	321.9	251.3	202.7	184.8	179.2	177.2
588.0	15°	584.4	560.0	471.1	355.3	250.4	189.8	172.2	171.9	173.0	172.5
602.6	17.5°	596.7	560.8	440.0	296.4	193.2	167.4	166.6	169.1	170.8	169.9
620.8	20°	612.7	564.2	406.9	238.1	166.0	161.8	163.8	166.0	167.4	166.0
645.2	22.5°	635.1	570.1	370.7	191.2	157.3	158.4	160.1	162.6	164.0	162.1
676.4	25°	662.6	579.3	335.1	166.3	153.1	154.5	157.0	159.8	161.5	159.6
715.6	27.5°	698.2	594.2	302.3	160.7	148.9	149.7	153.4	157.6	159.8	157.3
771.4	30°	749.8	618.6	274.0	163.2	146.4	144.4	149.5	155.3	157.9	155.6
847.4	32.5°	818.3	653.1	256.6	167.1	145.3	138.2	143.0	150.6	154.8	153.4
946.7	35°	908.0	705.5	249.8	171.6	144.4	131.8	135.2	143.3	150.6	152.0
1071.7	37.5°	1016.8	778.4	251.8	173.6	141.9	126.5	128.1	135.2	144.7	149.2
1212.5	40°	1140.4	863.4	263.0	171.6	139.1	122.0	122.3	127.6	136.0	142.7
1363.9	42.5°	1268.0	962.7	283.8	164.3	136.6	118.1	117.2	120.9	126.5	131.2
1515.1	45°	1389.5	1064.7	304.3	154.2	133.5	114.1	112.2	113.6	114.7	116.7
1662.3	47.5°	1495.5	1136.5	298.4	145.0	129.3	109.6	106.3	105.7	102.4	102.1
1793.8	50°	1568.6	1152.2	265.0	135.7	123.1	104.6	99.3	95.9	90.0	87.2
1892.2	52.5°	1591.9	1090.3	216.5	126.5	113.0	97.9	90.3	85.0	77.7	75.2
1948.9	55°	1561.1	968.8	173.0	115.3	99.0	88.9	80.5	73.5	67.6	64.5
1955.1	57.5°	1485.6	814.3	136.8	102.1	84.1	78.8	70.4	63.4	58.3	55.2
1886.6	60°	1360.6	646.6	108.2	86.4	71.8	67.9	59.2	54.7	50.2	46.5
1710.0	62.5°	1170.7	461.6	85.0	68.4	60.0	55.5	50.5	47.1	41.8	36.7
1392.3	65°	913.6	282.4	65.6	50.2	48.2	46.0	42.9	39.8	33.4	28.3
908.3	67.5°	576.3	133.8	46.8	37.9	38.1	37.0	35.6	33.1	28.3	23.8
406.9	70°	253.8	64.8	30.8	28.9	28.3	28.3	29.4	28.6	24.1	19.9
141.3	72.5°	86.4	34.8	23.0	21.9	20.5	20.2	24.7	23.8	19.3	15.4
70.4	75°	45.1	23.3	16.8	15.7	12.3	14.9	19.6	18.5	13.7	10.1
46.5	77.5°	29.4	16.5	11.5	10.1	7.0	9.8	14.6	12.9	8.1	5.0
30.6	80°	18.5	10.9	6.7	4.8	3.4	5.3	7.9	5.6	3.1	1.1
17.9	82.5°	9.8	5.6	2.5	1.7	1.4	1.7	2.0	1.4	0.6	0.0
9.3	85°	3.9	2.0	0.8	0.6	0.3	0.0	0.6	0.3	0.0	0.0
1.7	87.5°	1.4	0.3	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°
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554.7
518.2
433.8
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