

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: P955875

Luminaire Tested: **GLAN-SB8C-940-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-940-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43797 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 399.8
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



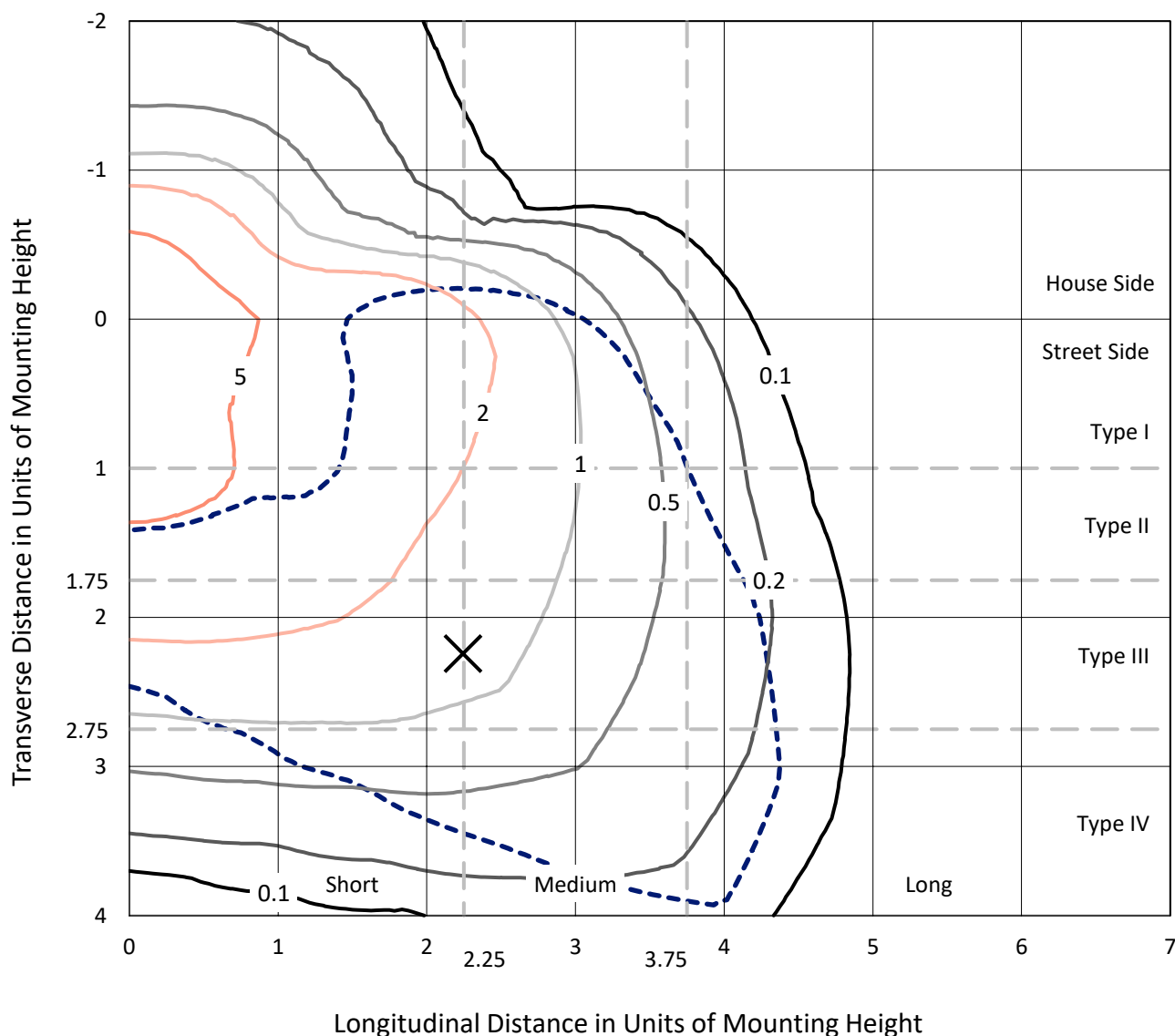
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

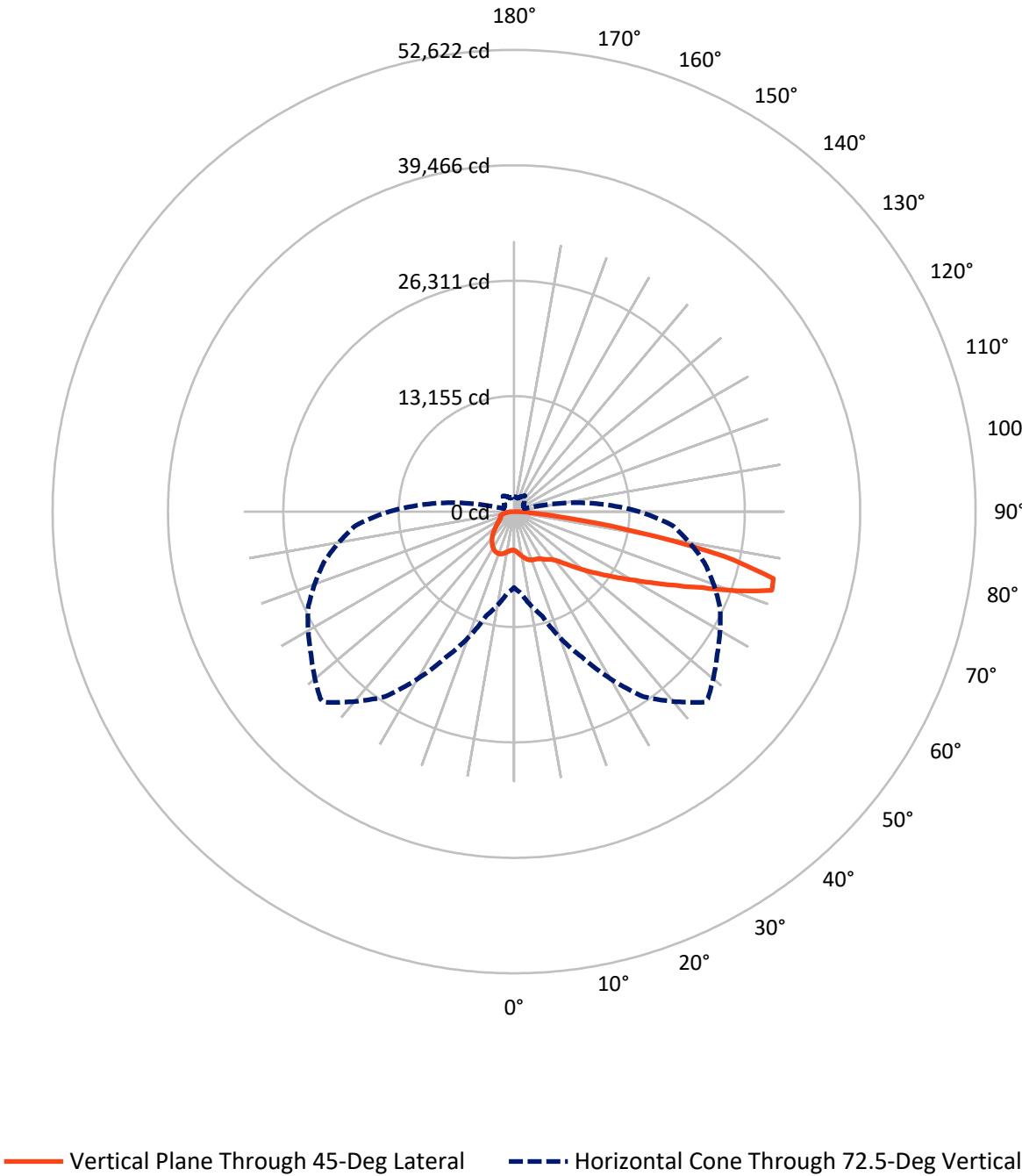


Based on 25 foot mounting height. Maximum calculated value = 8.8 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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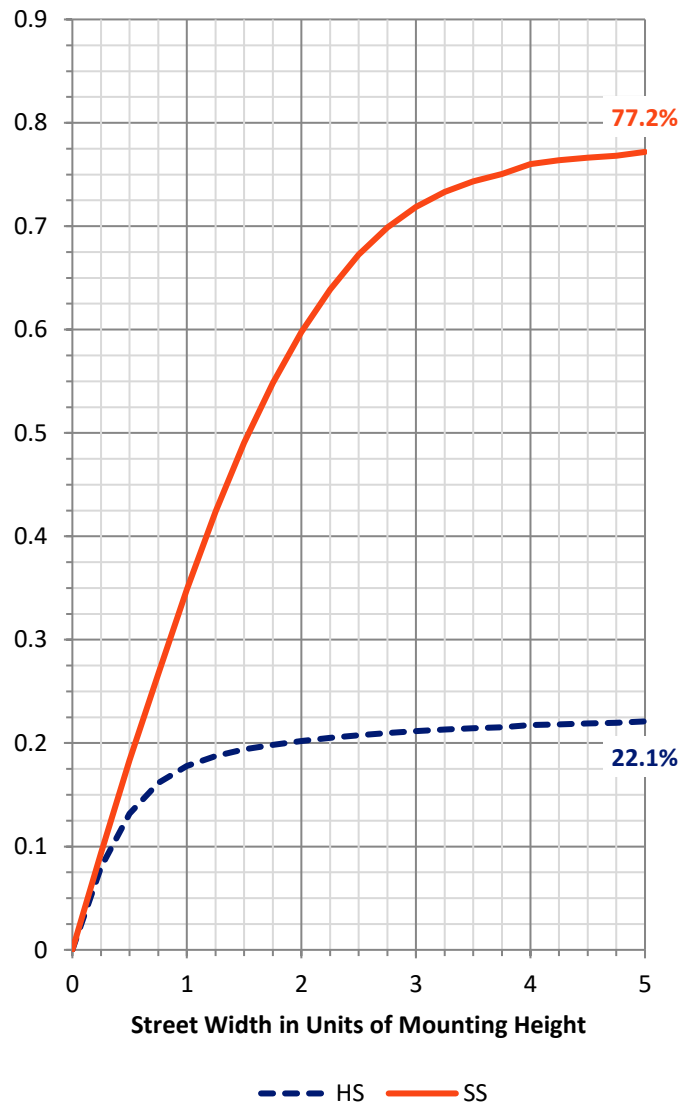
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9901.0	0.0	9901.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	33896.0	0.0	33896.0
	% Fixture	77.4	0.0	77.4
Total	Lumens	43797.0	0.0	43797.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.7	1.0
10°-20°	1499.3	3.4
20°-30°	2608.2	6.0
30°-40°	3739.0	8.5
40°-50°	5264.7	12.0
50°-60°	8063.9	18.4
60°-70°	11681.8	26.7
70°-80°	9328.6	21.3
80°-90°	1161.8	2.7
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°	43797.0	100.0
0°-180°	43797.0	100.0

Coefficient of Utilization



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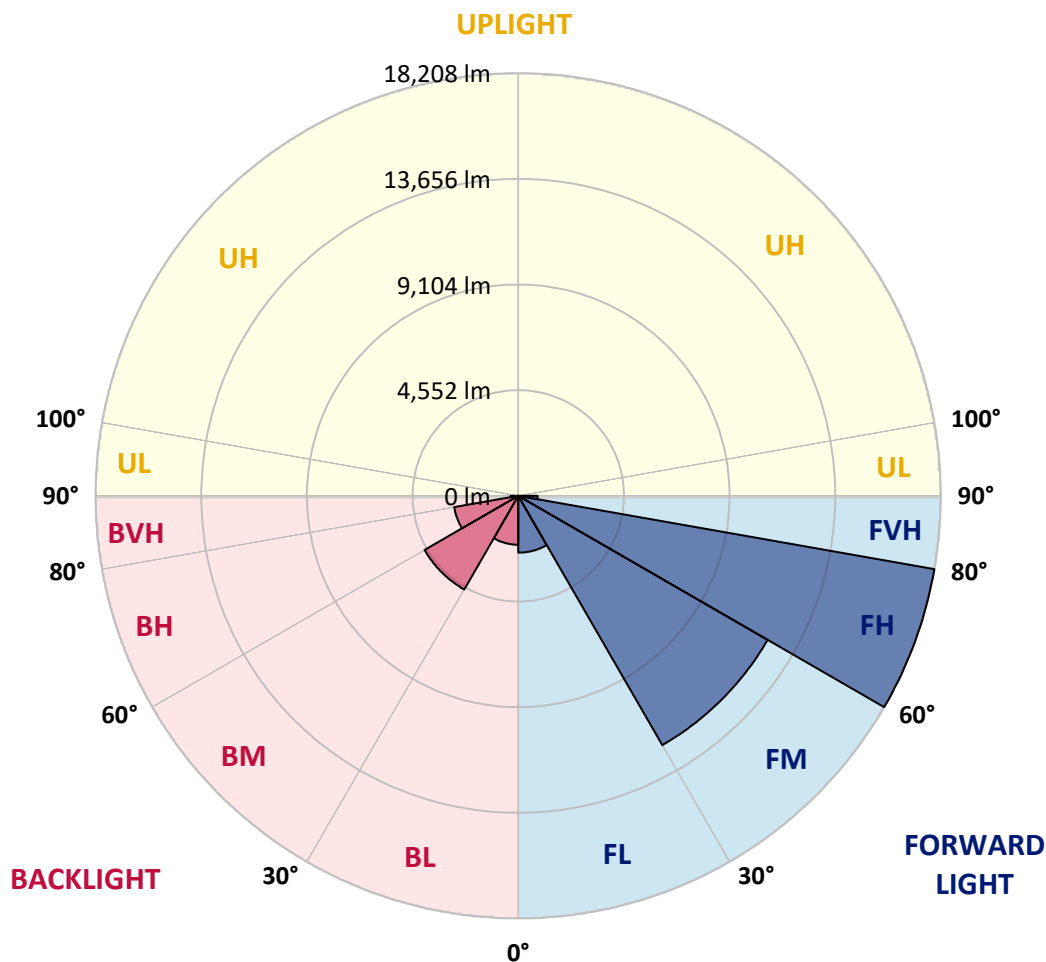
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2449.2	5.6			
FM	(30°-60°)	12405.6	28.3			
FH	(60°-80°)	18207.7	41.6			G5
FVH	(80°-90°)	833.5	1.9			G5
BL	(0°-30°)	2108.0	4.8	B3/2500		
BM	(30°-60°)	4662.0	10.6	B3/5000		
BH	(60°-80°)	2802.7	6.4	B4/5000		G4/5000
BVH	(80°-90°)	328.3	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	4418.3	4418.3	4418.3	4418.3	4418.3	4418.3	4418.3	4418.3	4418.3	4418.3
2.5°	4591.3	4621.3	4593.6	4568.2	4556.7	4526.7	4524.4	4505.9	4494.4	4462.1
5°	4912.0	4951.2	4905.1	4854.3	4808.2	4734.3	4725.1	4672.1	4612.1	4542.9
7.5°	5274.2	5308.8	5255.8	5179.6	5098.9	4976.6	4974.3	4877.4	4782.8	4665.1
10°	5590.3	5636.5	5564.9	5461.1	5359.6	5221.2	5205.0	5094.3	4974.3	4822.0
12.5°	5869.5	5901.8	5832.6	5705.7	5588.0	5449.6	5428.8	5306.5	5172.7	4999.7
15°	6091.0	6132.5	6040.2	5904.1	5779.5	5643.4	5624.9	5514.2	5380.4	5198.1
17.5°	6236.3	6270.9	6176.3	6024.1	5904.1	5791.0	5777.2	5684.9	5567.2	5382.7
20°	6291.7	6328.6	6229.4	6074.8	5964.1	5876.4	5869.5	5802.6	5721.8	5553.4
22.5°	6347.1	6381.7	6252.5	6091.0	5994.1	5938.7	5936.4	5892.6	5860.3	5721.8
25°	6570.9	6580.1	6407.1	6174.0	6035.6	5987.2	5984.8	5982.5	5996.4	5887.9
27.5°	6764.7	6762.4	6614.7	6395.5	6181.0	6079.4	6077.1	6100.2	6144.0	6054.1
30°	7048.5	7023.1	6847.7	6619.3	6423.2	6266.3	6252.5	6231.7	6266.3	6194.8
32.5°	7650.6	7569.9	7286.1	6880.0	6623.9	6504.0	6485.5	6356.3	6370.1	6326.3
35°	8513.5	8407.4	8029.0	7373.8	6873.1	6702.4	6693.2	6529.3	6501.7	6462.4
37.5°	9540.2	9408.7	8968.0	8089.0	7302.2	6933.1	6919.3	6771.6	6658.5	6617.0
40°	10571.5	10405.4	10040.9	8961.1	7934.4	7318.4	7274.6	7050.8	6921.6	6852.3
42.5°	11572.9	11434.4	11123.0	9939.4	8714.2	7881.4	7784.5	7401.5	7304.6	7240.0
45°	12458.8	12334.2	12105.8	10984.5	9627.9	8647.3	8552.7	7927.5	7897.5	7897.5
47.5°	13178.7	13151.0	12908.7	12050.4	10705.4	9519.5	9355.6	8658.9	8739.6	8864.2
50°	13976.9	13900.8	13642.4	13100.2	11972.0	10518.5	10384.7	9556.4	9858.6	10200.1
52.5°	14710.6	14752.2	14463.8	14193.8	13402.5	11632.8	11397.5	10615.4	11268.3	11833.6
55°	15465.1	15467.4	15386.6	15349.7	14902.1	12864.9	12606.5	11888.9	12927.2	13628.6
57.5°	16173.4	16178.0	16298.0	16623.3	16641.7	14286.1	13993.1	13453.2	14770.6	15485.8
60°	16805.6	16837.9	17165.5	17926.9	18171.4	15915.0	15638.1	15301.3	16676.4	17396.2
62.5°	17017.8	17135.5	17864.6	18946.6	19682.6	17913.0	17640.8	17440.0	18679.0	19348.1
65°	16657.9	16927.8	18337.5	19788.8	21237.7	20287.1	20017.2	19798.0	20760.1	21389.9
67.5°	15774.2	16122.6	18309.8	20672.4	23124.9	23143.4	22891.9	22377.4	22991.1	23233.4
70°	13446.3	13967.7	16697.1	21002.3	25291.4	27049.5	26807.2	25482.9	25217.6	24045.5
72.5°	8663.5	9364.9	12295.0	18286.8	25773.6	30724.8	30711.0	28286.1	25921.3	22467.4
75°	3160.8	3590.0	5712.6	11478.3	21634.5	30537.9	30627.9	27806.2	23662.5	17354.7
77.5°	1151.3	1259.7	1864.2	4411.3	13305.6	24502.3	24689.2	22229.8	16842.5	8709.6
80°	604.5	664.5	955.2	1711.9	5701.1	14551.4	14844.4	13211.0	7916.0	2623.3
82.5°	334.5	362.2	535.3	929.8	2567.9	6222.5	6397.8	5218.9	2784.8	1112.1
85°	180.0	191.5	251.5	507.6	1255.1	2157.2	2205.7	1559.7	1109.8	652.9
87.5°	53.1	64.6	83.1	161.5	491.4	484.5	496.0	309.2	438.4	329.9
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°
4418.3	0°	4418.3	4418.3	4418.3	4418.3	4418.3	4418.3	4418.3	4418.3	4418.3	4418.3
4452.9	2.5°	4439.0	4432.1	4406.7	4395.2	4381.3	4379.0	4390.6	4392.9	4395.2	4397.5
4503.6	5°	4480.6	4457.5	4434.4	4420.6	4425.2	4427.5	4450.6	4466.7	4478.3	4487.5
4598.2	7.5°	4561.3	4542.9	4503.6	4501.3	4508.2	4529.0	4559.0	4595.9	4616.7	4632.8
4720.5	10°	4681.3	4646.7	4600.5	4607.5	4621.3	4651.3	4713.6	4743.6	4778.2	4808.2
4870.5	12.5°	4803.6	4773.6	4720.5	4725.1	4748.2	4801.3	4861.2	4898.2	4921.2	4944.3
5032.0	15°	4962.8	4909.7	4852.0	4852.0	4893.5	4951.2	4978.9	5008.9	5022.7	5048.1
5205.0	17.5°	5126.6	5057.4	4981.2	4976.6	5027.4	5055.0	5071.2	5075.8	5080.4	5108.1
5373.4	20°	5290.4	5214.2	5105.8	5096.6	5108.1	5103.5	5101.2	5096.6	5103.5	5138.1
5546.5	22.5°	5451.9	5364.2	5214.2	5172.7	5140.4	5096.6	5094.3	5092.0	5096.6	5131.2
5733.4	25°	5641.1	5534.9	5334.2	5209.6	5101.2	5041.2	5048.1	5050.4	5055.0	5082.7
5927.2	27.5°	5846.4	5728.7	5445.0	5198.1	5002.0	4960.5	4948.9	4955.8	4972.0	5015.8
6121.0	30°	6051.8	5913.3	5546.5	5152.0	4877.4	4819.7	4782.8	4799.0	4849.7	4893.5
6289.4	32.5°	6238.6	6100.2	5627.2	5050.4	4718.2	4628.2	4579.8	4600.5	4651.3	4667.4
6476.3	35°	6457.8	6300.9	5661.8	4888.9	4545.2	4406.7	4342.1	4312.1	4337.5	4321.4
6695.5	37.5°	6702.4	6538.6	5657.2	4676.7	4342.1	4182.9	4093.0	3979.9	3926.8	3871.5
7018.5	40°	7064.6	6829.3	5601.9	4420.6	4090.6	3945.3	3783.8	3592.3	3472.3	3363.9
7539.9	42.5°	7558.3	7233.0	5500.3	4139.1	3806.9	3670.7	3451.6	3227.8	3038.6	2858.6
8331.3	45°	8294.3	7761.4	5373.4	3839.2	3500.0	3366.2	3128.5	2877.1	2662.5	2431.8
9454.9	47.5°	9355.6	8472.0	5253.5	3497.7	3177.0	3054.7	2840.1	2607.1	2353.3	2129.5
11079.1	50°	10813.8	9491.8	5142.7	3165.5	2858.6	2766.3	2595.6	2357.9	2101.8	1921.9
12982.5	52.5°	12668.8	10878.4	5096.6	2844.8	2561.0	2526.4	2390.2	2168.8	1926.5	1774.2
15202.1	55°	14798.3	12537.3	5096.6	2537.9	2300.3	2311.8	2217.2	2011.9	1801.9	1665.8
17490.8	57.5°	16971.7	14216.9	5004.3	2254.1	2078.8	2127.2	2067.2	1887.3	1698.1	1557.4
19897.2	60°	18974.3	15624.3	4630.5	1995.7	1882.7	1958.8	1919.6	1765.0	1534.3	1416.6
21909.1	62.5°	20513.2	16417.9	3910.7	1790.4	1721.2	1808.8	1788.1	1603.5	1504.3	1455.8
23561.0	65°	21283.8	16288.7	2990.1	1608.1	1585.0	1721.2	1677.3	1670.4	1592.0	1536.6
24098.6	67.5°	20810.8	15176.7	2168.8	1474.3	1506.6	1640.4	1808.8	1836.5	1691.2	1582.7
22585.1	70°	18736.7	13164.8	1615.0	1347.4	1407.4	1642.7	2062.6	1921.9	1658.9	1532.0
18113.7	72.5°	14253.8	9817.1	1252.8	1213.6	1278.2	1654.3	2175.7	1882.7	1566.6	1693.5
11284.5	75°	8151.3	5389.6	1005.9	1049.8	1116.7	1545.8	2118.0	1781.1	1495.1	1555.0
4471.3	77.5°	3107.8	2071.9	830.6	888.3	897.5	1349.7	2025.7	1774.2	1423.5	1388.9
1340.5	80°	1077.5	809.8	687.5	706.0	694.5	1199.7	1942.7	1543.5	1165.1	1042.8
553.7	82.5°	440.7	403.8	544.5	521.4	493.7	932.1	1568.9	1262.0	952.9	842.1
267.6	85°	191.5	256.1	359.9	316.1	286.1	646.0	1257.4	1068.2	805.2	694.5
87.7	87.5°	39.2	96.9	152.3	143.0	147.7	431.4	892.9	759.1	569.9	426.8
0.0	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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180°
4418.3
4406.7
4492.1
4637.4
4801.3
4953.5
5057.4
5117.3
5152.0
5154.3
5119.6
5059.7
4942.0
4725.1
4372.1
3906.1
3370.8
2842.5
2404.1
2104.2
1910.4
1762.7
1651.9
1534.3
1398.2
1439.7
1518.1
1564.3
1511.2
1679.6
1555.0
1266.6
1008.2
832.9
692.2
334.5
0.0