

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: P949284

Luminaire Tested: **GLAN-SB4A-830-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-830-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13773 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

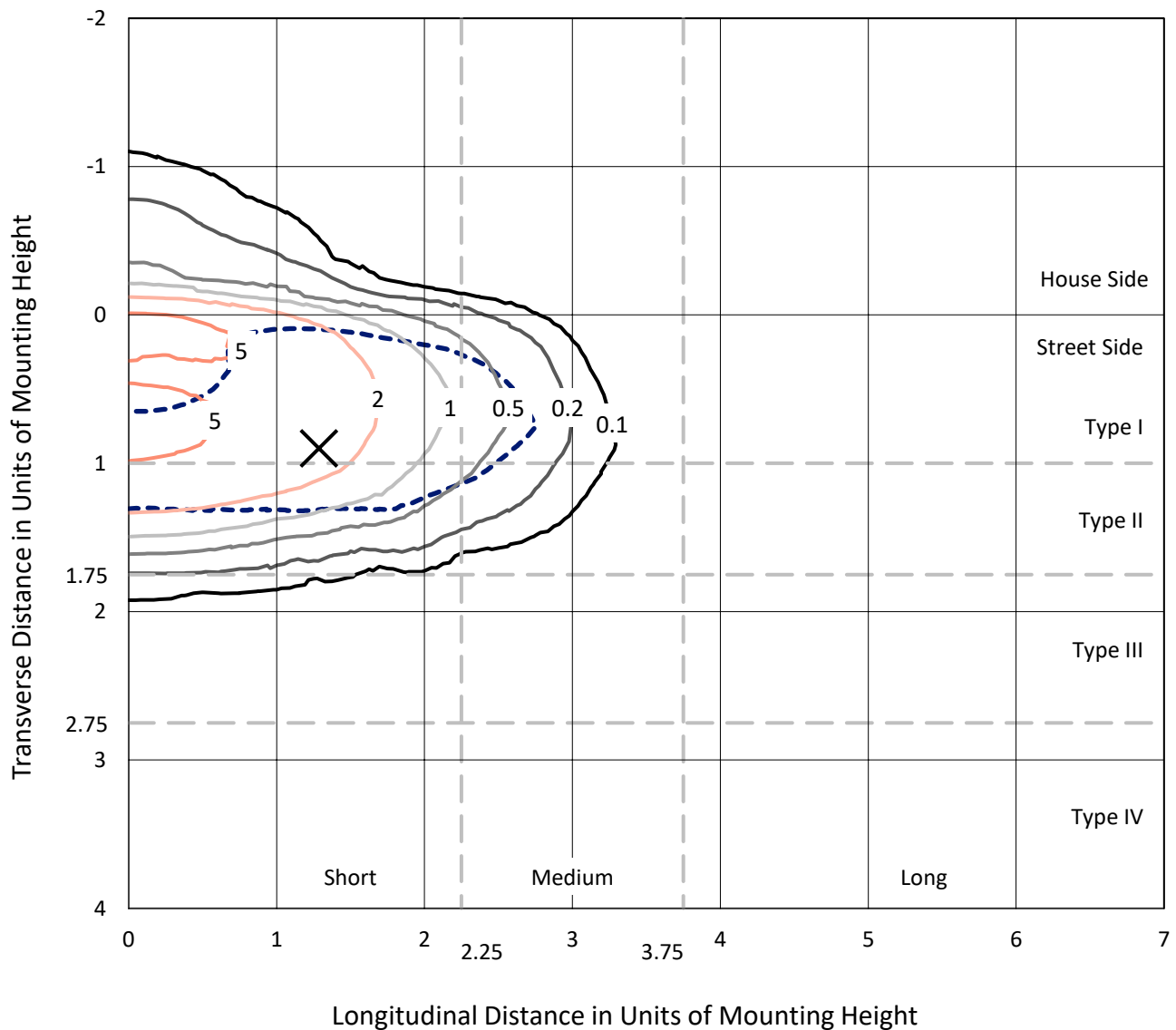
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

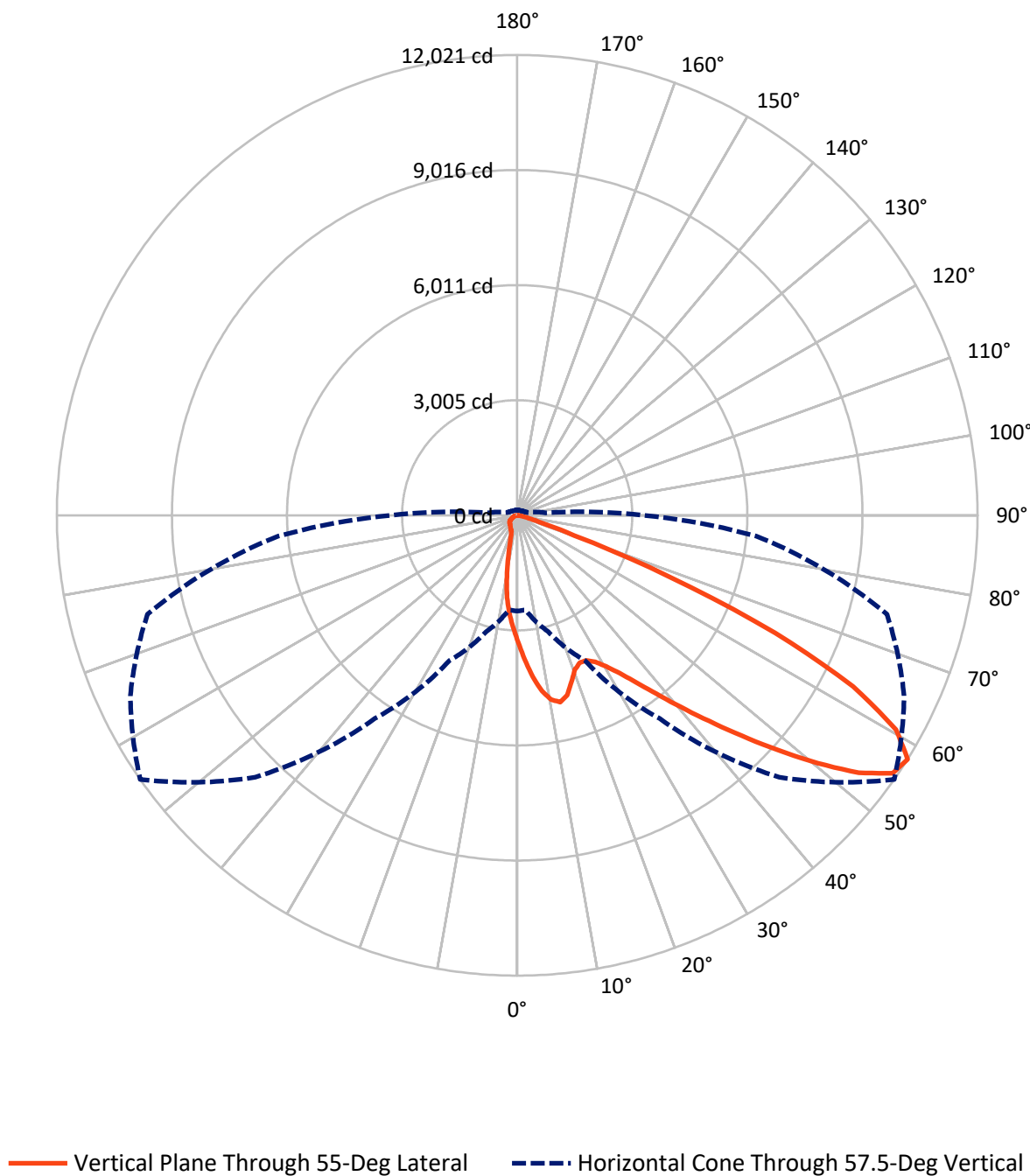
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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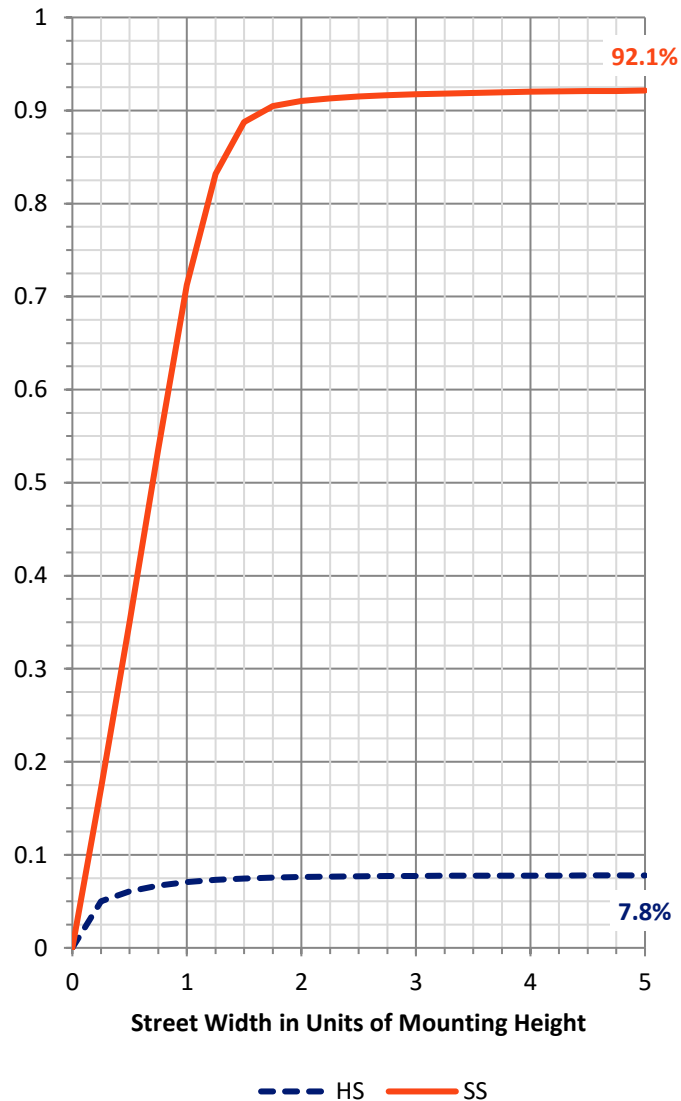
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1075.6	0.0	1075.6
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	12697.4	0.0	12697.4
	% Fixture	92.2	0.0	92.2
Total	Lumens	13773.0	0.0	13773.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.8	2.2
10°-20°	745.9	5.4
20°-30°	1193.5	8.7
30°-40°	2020.0	14.7
40°-50°	3316.5	24.1
50°-60°	3645.0	26.5
60°-70°	2090.8	15.2
70°-80°	427.2	3.1
80°-90°	25.2	0.2
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°	13773.0	100.0
0°-180°	13773.0	100.0

Coefficient of Utilization



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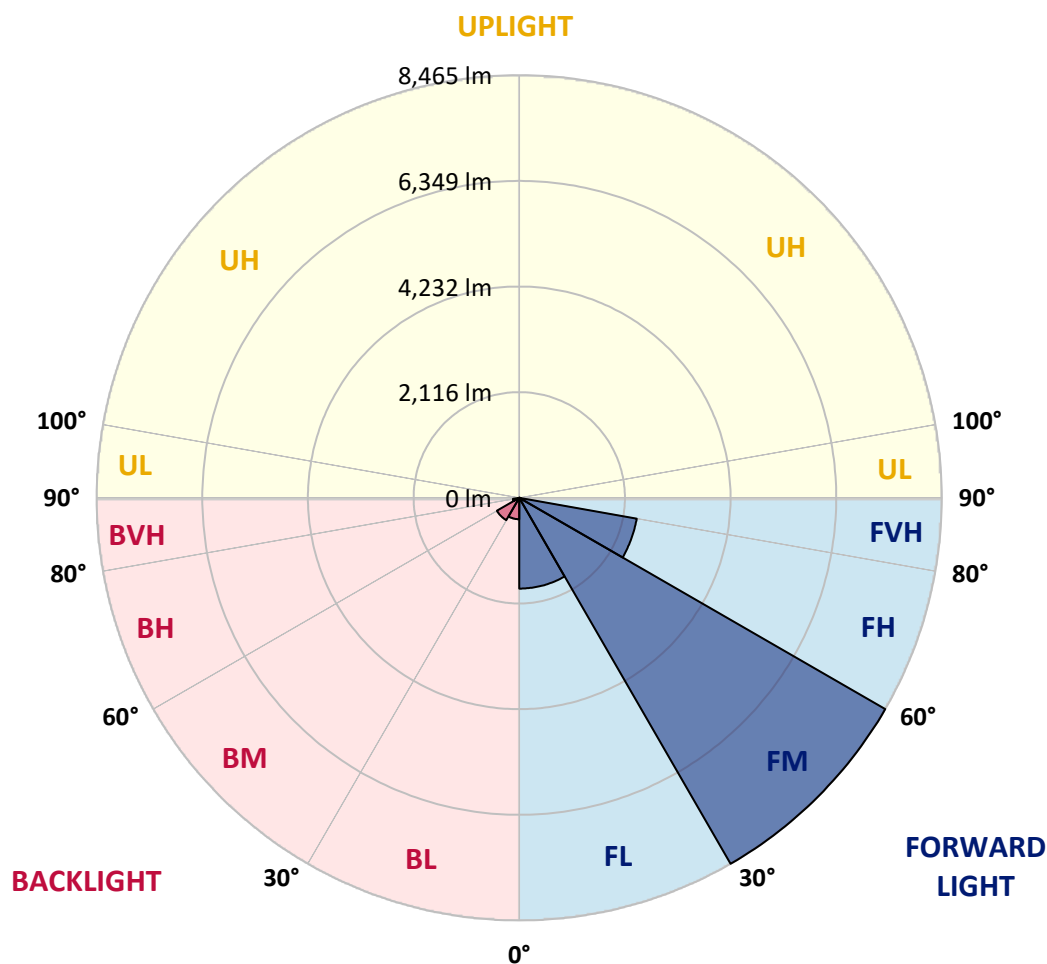
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1818.8	13.2			
FM	(30°-60°)	8465.0	61.5			
FH	(60°-80°)	2390.1	17.4			G2/5000
FVH	(80°-90°)	23.5	0.2			G1/100
BL	(0°-30°)	429.4	3.1	B1/500		
BM	(30°-60°)	516.6	3.8	B1/1000		
BH	(60°-80°)	127.9	0.9	B1/500		G1/500
BVH	(80°-90°)	1.7	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3319.0	3319.0	3319.0	3319.0	3319.0	3319.0	3319.0	3319.0	3319.0	3319.0
2.5°	4118.1	4066.3	4058.7	4048.5	3950.0	3876.1	3769.1	3651.9	3520.2	3386.0
5°	4757.6	4716.9	4709.2	4661.7	4549.5	4423.9	4233.6	3993.3	3747.8	3459.1
7.5°	4881.6	4874.0	4908.8	4907.1	4891.8	4792.4	4631.9	4345.7	3977.1	3549.1
10°	4328.7	4348.3	4451.9	4542.8	4788.2	4930.9	4896.1	4660.0	4213.2	3651.9
12.5°	3825.1	3802.2	3876.1	3978.8	4264.2	4688.8	5005.6	4922.4	4483.3	3768.2
15°	3509.2	3499.8	3541.5	3589.0	3806.4	4234.5	4878.2	5135.5	4743.2	3905.8
17.5°	3408.1	3400.5	3413.2	3425.1	3566.1	3897.3	4575.0	5266.3	4992.0	4062.9
20°	3490.5	3480.3	3478.6	3469.3	3527.9	3753.8	4300.7	5275.7	5215.4	4205.6
22.5°	3730.9	3719.0	3677.3	3640.0	3645.1	3773.3	4178.4	5182.3	5383.5	4338.9
25°	4166.5	4147.0	4060.4	3934.7	3854.8	3909.2	4197.1	5059.1	5544.0	4443.4
27.5°	4711.8	4686.3	4575.0	4388.2	4205.6	4139.3	4332.1	4974.2	5677.4	4523.2
30°	5246.0	5212.8	5103.3	4958.0	4691.4	4482.5	4575.9	5011.6	5836.2	4606.4
32.5°	5822.6	5791.2	5646.0	5465.9	5245.1	4964.0	4909.6	5194.1	6030.7	4722.8
35°	6552.1	6502.9	6296.5	6051.1	5816.7	5532.2	5361.5	5509.2	6289.7	4900.3
37.5°	7382.7	7316.5	7094.0	6755.1	6449.4	6130.9	5911.8	5942.4	6669.3	5138.1
40°	8165.7	8105.4	7899.9	7580.6	7196.7	6810.3	6576.8	6508.8	7193.3	5427.7
42.5°	8635.4	8581.0	8494.4	8359.4	8035.8	7641.7	7347.0	7200.1	7813.3	5774.2
45°	8661.7	8614.2	8730.5	8887.6	8823.9	8561.5	8202.3	7933.0	8435.8	6099.5
47.5°	8240.5	8208.2	8561.5	9110.1	9383.6	9494.0	9162.8	8604.8	8949.6	6333.0
50°	7092.3	7080.4	7807.4	8814.6	9596.8	10311.0	10176.0	9229.9	9347.9	6453.6
52.5°	6149.6	6106.3	6530.0	7868.5	9286.8	10740.7	11166.2	9843.1	9626.5	6476.5
55°	4664.2	4626.0	5157.6	6285.5	8287.2	10587.9	11890.7	10475.8	9826.1	6417.9
57.5°	2502.0	2478.2	3149.9	4183.5	6478.2	9670.7	12021.4	11145.0	9994.2	6262.5
60°	974.1	969.9	1221.3	2029.8	3937.2	7867.7	11361.6	11546.7	10099.5	6071.4
62.5°	589.4	602.1	642.9	911.3	1739.3	4887.6	9840.5	11089.8	10170.0	5896.5
65°	487.5	488.3	493.4	625.9	833.1	2045.0	7408.2	9586.6	9995.9	5584.8
67.5°	417.8	425.5	445.0	496.8	587.7	896.8	4265.0	7426.0	8936.9	4859.5
70°	329.5	339.7	364.3	408.5	453.5	561.4	1576.2	4941.1	6827.3	3662.9
72.5°	277.7	276.9	289.6	332.1	360.1	394.9	606.4	2768.6	3967.8	1748.7
75°	214.9	223.4	239.5	277.7	294.7	286.2	328.7	1011.5	1421.7	529.9
77.5°	168.2	174.9	189.4	226.8	243.7	203.0	189.4	361.8	456.9	190.2
80°	75.6	81.5	129.1	167.3	198.7	140.1	102.8	185.1	203.0	86.6
82.5°	13.6	22.9	75.6	88.3	101.9	90.9	53.5	96.0	99.4	34.8
85°	0.8	1.7	26.3	32.3	40.8	29.7	16.1	38.2	33.1	11.9
87.5°	0.0	0.0	0.0	0.8	0.8	4.2	5.1	6.8	5.1	4.2
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3319.0	0°	3319.0	3319.0	3319.0	3319.0	3319.0	3319.0	3319.0	3319.0	3319.0	3319.0
3326.6	2.5°	3265.4	3144.9	3027.7	2931.7	2875.6	2780.5	2717.7	2707.5	2681.2	2704.1
3335.1	5°	3202.6	2986.9	2768.6	2573.3	2412.8	2205.6	2051.0	1985.6	1928.7	1948.2
3357.2	7.5°	3172.9	2832.3	2492.6	2158.8	1815.7	1484.5	1238.2	1135.5	1057.3	1068.4
3381.8	10°	3133.0	2671.8	2139.3	1629.8	1170.3	843.3	673.5	610.6	575.8	576.7
3418.3	12.5°	3102.4	2479.9	1729.1	1104.9	712.5	538.4	485.8	470.5	460.3	461.2
3473.5	15°	3087.1	2254.0	1324.0	736.3	509.6	456.1	443.3	436.5	429.7	428.9
3534.7	17.5°	3061.6	2002.6	969.0	537.6	445.9	427.2	416.1	408.5	400.0	398.3
3587.3	20°	3023.4	1717.2	708.3	454.4	417.8	403.4	388.1	377.9	367.7	366.0
3620.4	22.5°	2952.9	1415.7	544.4	420.4	397.5	381.3	362.6	350.7	340.6	338.9
3604.3	25°	2822.1	1132.9	458.6	399.2	379.6	360.1	339.7	323.6	314.2	312.5
3569.5	27.5°	2656.5	890.0	416.1	379.6	356.7	338.9	315.9	300.6	292.1	290.5
3523.6	30°	2461.2	685.4	391.5	357.5	329.5	314.2	293.8	281.1	276.0	276.0
3491.4	32.5°	2250.6	547.8	381.3	335.5	305.7	288.8	272.6	267.5	265.8	265.0
3509.2	35°	2052.7	475.6	376.2	317.6	284.5	268.4	261.6	262.4	265.8	265.8
3564.4	37.5°	1876.9	452.7	373.7	304.9	265.8	251.4	255.6	263.3	259.9	259.9
3661.2	40°	1718.1	455.2	372.0	295.5	250.5	242.0	250.5	244.6	236.1	235.2
3779.3	42.5°	1596.6	476.4	368.6	287.9	241.2	235.2	231.9	222.5	221.7	223.4
3901.6	45°	1508.3	495.1	367.7	284.5	231.0	220.0	215.7	206.4	223.4	227.6
3951.7	47.5°	1403.8	495.1	367.7	272.6	214.0	209.8	203.0	192.8	209.8	214.0
3904.1	50°	1268.8	463.7	353.3	259.0	200.4	197.9	186.0	173.3	169.9	172.4
3792.8	52.5°	1098.1	406.8	316.8	240.3	186.8	181.7	167.3	158.0	155.4	155.4
3593.3	55°	903.6	340.6	267.5	213.2	172.4	163.1	152.9	148.6	146.1	144.4
3313.9	57.5°	734.6	279.4	214.9	189.4	158.8	146.9	143.5	138.4	134.2	131.6
3080.3	60°	603.0	220.0	177.5	168.2	145.2	134.2	133.3	126.5	115.5	113.8
2887.5	62.5°	465.4	161.4	149.5	146.1	131.6	122.3	120.6	107.0	90.0	86.6
2614.1	65°	328.7	125.7	120.6	128.2	117.2	108.7	104.5	84.1	66.2	63.7
2187.7	67.5°	231.0	105.3	95.1	112.1	101.9	90.9	88.3	71.3	55.2	53.5
1654.4	70°	164.8	85.8	78.1	96.0	81.5	79.8	74.7	59.4	45.0	43.3
818.7	72.5°	116.4	65.4	60.3	83.2	56.1	68.8	61.1	45.9	34.0	32.3
278.6	75°	85.8	46.7	42.5	48.4	40.8	51.8	43.3	30.6	21.2	20.4
125.7	77.5°	62.8	29.7	25.5	23.8	23.8	32.3	23.8	12.7	9.3	8.5
63.7	80°	44.2	13.6	11.9	10.2	9.3	7.6	3.4	1.7	0.8	0.8
22.1	82.5°	26.3	5.9	5.9	4.2	2.5	0.0	0.0	0.0	0.0	0.0
8.5	85°	5.9	2.5	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
3.4	87.5°	0.8	0.8	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

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