

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: P847653

Luminaire Tested: **GLAN-SB3D-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847653  
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-SB3D-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 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: 25059 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

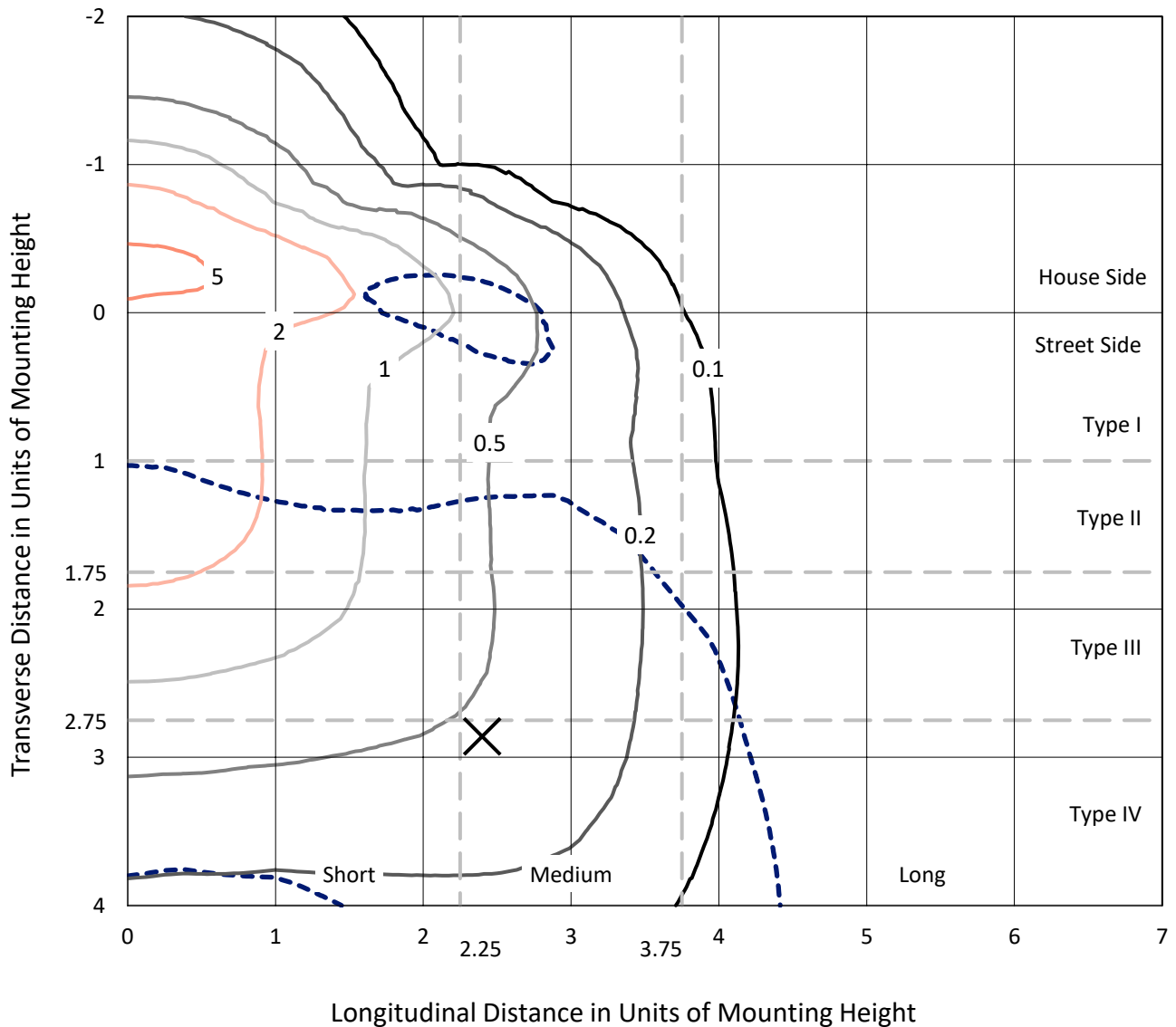
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

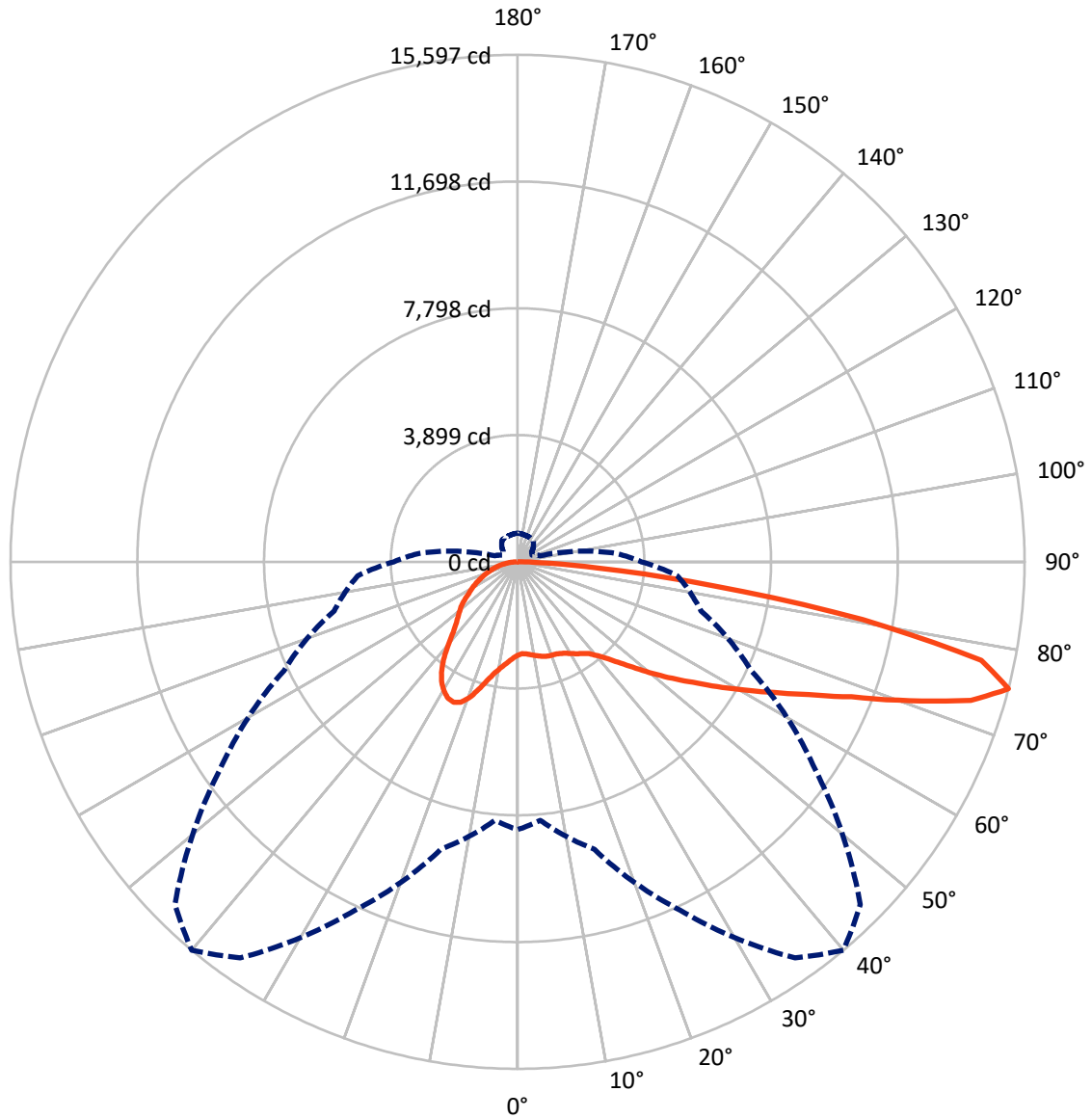
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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
<b>House Side</b>	Lumens	7764.1	0.0	7764.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	17294.9	0.0	17294.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	25059.0	0.0	25059.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.0	1.1
10°-20°	960.3	3.8
20°-30°	1753.5	7.0
30°-40°	2487.0	9.9
40°-50°	3358.2	13.4
50°-60°	4517.6	18.0
60°-70°	5733.9	22.9
70°-80°	5203.9	20.8
80°-90°	758.6	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°	25059.0	100.0
0°-180°	25059.0	100.0

**Coefficient of Utilization**

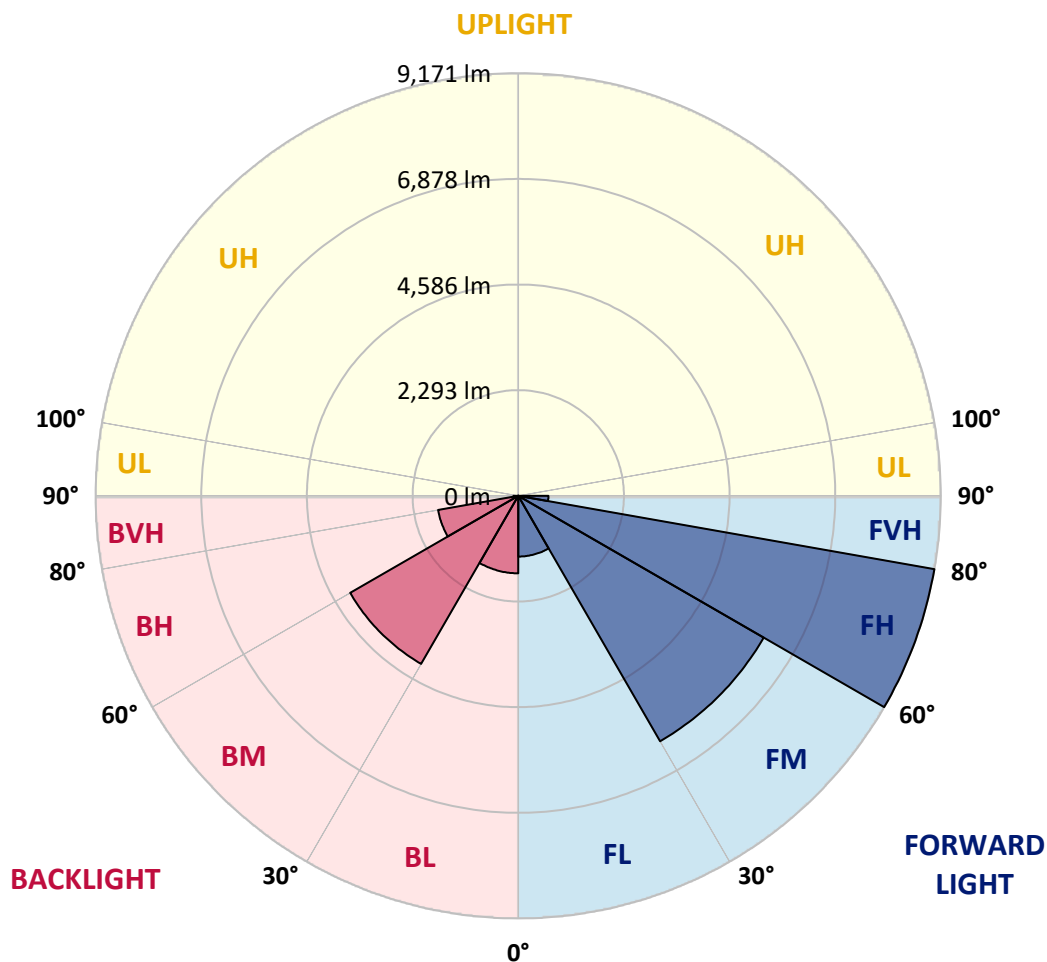


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1318.1	5.3			
FM (30°-60°)	6151.4	24.5			
FH (60°-80°)	9171.2	36.6			G4/12000
FVH (80°-90°)	654.1	2.6			G4/750
BL (0°-30°)	1681.8	6.7	B3/2500		
BM (30°-60°)	4211.3	16.8	B3/5000		
BH (60°-80°)	1766.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	104.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2865.5	2865.5	2865.5	2865.5	2865.5	2865.5	2865.5	2865.5	2865.5	2865.5
2.5°	2821.7	2837.6	2833.6	2828.3	2828.3	2829.6	2828.3	2837.6	2846.9	2856.2
5°	2850.9	2866.9	2858.9	2852.2	2846.9	2845.6	2841.6	2840.3	2845.6	2857.6
7.5°	2908.1	2924.0	2912.0	2900.1	2889.5	2884.1	2878.8	2870.8	2866.9	2873.5
10°	2971.9	2987.8	2973.2	2951.9	2934.6	2928.0	2922.7	2914.7	2909.4	2913.4
12.5°	3035.7	3051.6	3031.7	3002.4	2979.8	2975.8	2969.2	2966.5	2965.2	2963.9
15°	3095.5	3108.8	3083.5	3048.9	3025.0	3018.4	3011.7	3015.7	3022.4	3030.3
17.5°	3142.0	3155.3	3118.1	3072.9	3050.3	3047.6	3043.6	3056.9	3075.5	3095.5
20°	3184.5	3197.8	3150.0	3088.8	3062.2	3062.2	3063.6	3091.5	3118.1	3147.3
22.5°	3244.3	3255.0	3196.5	3112.7	3074.2	3076.9	3087.5	3115.4	3148.6	3188.5
25°	3333.4	3341.3	3269.6	3157.9	3114.1	3122.0	3131.3	3144.6	3176.5	3223.1
27.5°	3476.9	3483.6	3389.2	3237.7	3171.2	3184.5	3197.8	3188.5	3203.1	3243.0
30°	3678.9	3682.9	3563.3	3362.6	3268.2	3274.9	3277.5	3239.0	3211.1	3243.0
32.5°	3918.2	3916.8	3774.6	3514.1	3378.6	3371.9	3349.3	3273.6	3208.4	3236.3
35°	4289.0	4274.4	4091.0	3726.8	3503.5	3462.3	3409.1	3312.1	3221.7	3229.7
37.5°	4903.0	4857.8	4604.0	4075.0	3689.6	3584.6	3506.2	3374.6	3251.0	3227.0
40°	5595.5	5538.3	5259.2	4552.2	3968.7	3799.9	3673.6	3463.6	3298.8	3239.0
42.5°	6416.9	6335.8	6035.4	5114.4	4322.2	4077.7	3887.6	3576.6	3369.3	3277.5
45°	7425.7	7318.0	6892.7	5748.3	4767.5	4441.8	4188.0	3748.0	3476.9	3352.0
47.5°	8445.1	8471.7	7866.9	6474.0	5301.8	4891.1	4564.1	4005.9	3633.7	3471.6
50°	9528.3	9546.9	8835.8	7278.1	5907.8	5398.8	4986.8	4294.3	3851.7	3641.7
52.5°	10373.6	10376.2	9715.7	8119.4	6539.2	5957.0	5442.6	4623.9	4104.2	3867.7
55°	10902.6	10895.9	10332.4	8915.6	7264.8	6543.1	5947.7	4998.7	4412.6	4133.5
57.5°	11286.7	11266.7	10757.7	9600.1	8038.4	7235.6	6519.2	5424.0	4776.8	4449.8
60°	11432.9	11420.9	11046.1	10191.5	8851.8	8001.2	7178.4	5899.9	5190.1	4823.3
62.5°	11488.7	11511.3	11329.2	10764.3	9722.3	8849.1	7902.8	6468.7	5655.3	5245.9
65°	11685.4	11726.6	11689.4	11514.0	10705.9	9842.0	8863.7	7145.2	6163.0	5699.2
67.5°	12074.8	12116.0	12132.0	12411.1	11907.4	11079.3	10062.6	7987.9	6757.1	6169.7
70°	12065.5	12053.6	12335.3	13124.8	13411.9	12792.5	11678.8	9024.6	7465.5	6560.4
72.5°	10982.3	10886.6	11552.5	13116.8	14663.9	14581.5	13652.5	10361.6	8076.9	6608.3
75°	8239.1	7983.9	9160.1	11821.0	14872.6	15596.9	14907.1	11191.0	7932.0	5838.7
77.5°	3523.4	3266.9	4653.2	8750.8	13310.9	14580.2	13756.1	9763.5	6331.8	3861.0
80°	922.4	921.1	1406.2	3967.4	9052.5	10767.0	9445.9	6305.2	3617.8	1379.6
82.5°	381.5	372.1	517.0	1543.1	4423.2	6042.1	4930.9	2812.4	1306.5	373.5
85°	142.2	140.9	251.2	533.0	1560.4	2492.1	1803.6	719.0	325.6	182.1
87.5°	39.9	38.5	54.5	184.7	380.1	576.8	308.4	118.3	91.7	71.8
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°
2865.5	0°	2865.5	2865.5	2865.5	2865.5	2865.5	2865.5	2865.5	2865.5	2865.5	2865.5
2870.8	2.5°	2874.8	2881.5	2893.4	2902.7	2914.7	2928.0	2946.6	2958.6	2970.5	2978.5
2877.5	5°	2886.8	2901.4	2932.0	2962.6	2998.4	3031.7	3070.2	3098.1	3120.7	3127.4
2901.4	7.5°	2913.4	2937.3	2989.1	3041.0	3098.1	3152.6	3208.4	3256.3	3294.8	3309.4
2943.9	10°	2959.9	2991.8	3064.9	3138.0	3213.8	3297.5	3369.3	3438.4	3492.9	3515.5
2994.5	12.5°	3018.4	3058.2	3153.9	3255.0	3360.0	3475.6	3568.6	3653.7	3721.5	3752.0
3064.9	15°	3094.1	3146.0	3268.2	3403.8	3558.0	3718.8	3837.1	3931.5	4007.2	4044.4
3138.0	17.5°	3176.5	3245.7	3399.8	3604.5	3825.1	4036.5	4174.7	4243.8	4322.2	4358.1
3205.8	20°	3256.3	3341.3	3562.0	3859.7	4153.4	4378.0	4489.7	4508.3	4513.6	4517.6
3269.6	22.5°	3338.7	3453.0	3765.3	4181.3	4496.3	4651.8	4667.8	4588.0	4476.4	4424.6
3332.0	25°	3429.1	3580.6	4031.1	4536.2	4791.4	4810.0	4687.7	4493.7	4282.3	4185.3
3382.5	27.5°	3516.8	3728.1	4350.1	4875.1	5004.0	4840.6	4577.4	4302.3	4047.1	3944.8
3418.4	30°	3604.5	3896.9	4702.3	5171.5	5101.1	4764.8	4403.3	4096.3	3839.8	3732.1
3450.3	32.5°	3693.6	4093.6	5107.7	5385.5	5083.8	4604.0	4186.7	3865.0	3639.1	3526.1
3478.2	35°	3794.6	4335.5	5491.8	5502.5	4968.2	4367.4	3900.9	3588.6	3391.9	3301.5
3511.5	37.5°	3926.1	4642.5	5830.7	5531.7	4766.1	4020.5	3546.0	3261.6	3099.5	3058.2
3560.6	40°	4089.6	5012.0	6089.9	5485.2	4467.1	3599.2	3157.9	2930.7	2838.9	2848.3
3627.1	42.5°	4302.3	5425.4	6272.0	5365.6	4051.1	3164.6	2817.7	2716.7	2760.5	2797.7
3726.8	45°	4578.7	5854.7	6385.0	5162.2	3580.6	2796.4	2617.0	2640.9	2674.1	2678.1
3887.6	47.5°	4932.3	6289.3	6459.4	4855.2	3100.8	2537.2	2489.4	2494.7	2488.1	2460.2
4128.2	50°	5373.5	6711.9	6525.9	4448.5	2692.7	2375.1	2311.3	2292.7	2201.0	2110.6
4448.5	52.5°	5875.9	7100.0	6553.8	3943.4	2375.1	2239.5	2135.9	2018.9	1847.4	1819.5
4851.2	55°	6434.2	7458.9	6482.0	3322.7	2107.9	2065.4	1908.6	1767.7	1749.1	1725.2
5381.5	57.5°	7101.4	7845.7	6335.8	2630.3	1834.2	1862.1	1709.2	1725.2	1691.9	1654.7
6063.3	60°	7831.0	8245.7	6079.3	1999.0	1551.1	1608.2	1657.4	1656.1	1646.7	1616.2
6782.4	62.5°	8487.6	8508.9	5574.2	1531.1	1302.5	1411.5	1545.7	1544.4	1536.4	1519.2
7533.3	65°	8878.4	8469.0	4731.6	1205.5	1097.8	1249.3	1394.2	1404.9	1406.2	1404.9
8098.2	67.5°	8809.2	8002.5	3575.3	959.6	929.0	1084.5	1244.0	1258.7	1269.3	1271.9
8170.0	70°	8027.7	6977.8	2331.2	765.6	778.9	939.7	1101.8	1116.4	1125.7	1136.4
7089.4	72.5°	6257.4	5130.3	1334.4	619.4	647.3	814.7	960.9	978.2	983.5	1003.5
4933.6	75°	3813.2	3017.0	720.4	487.8	531.6	696.4	821.4	841.3	850.6	874.5
2422.9	77.5°	1812.9	1306.5	410.7	380.1	428.0	568.9	693.8	716.4	691.1	704.4
668.5	80°	612.7	485.1	259.2	289.7	327.0	443.9	555.6	578.2	525.0	522.3
222.0	82.5°	214.0	196.7	164.8	192.7	211.3	317.7	420.0	449.2	390.8	389.4
99.7	85°	83.7	79.7	91.7	105.0	126.3	195.4	276.5	291.1	240.6	194.0
29.2	87.5°	17.3	18.6	22.6	23.9	38.5	67.8	99.7	122.3	97.0	82.4
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>
2865.5
2973.2
3130.0
3310.8
3516.8
3752.0
4041.8
4356.8
4528.2
4439.2
4199.9
3956.7
3744.1
3540.7
3321.4
3087.5
2880.2
2832.3
2704.7
2481.4
2122.6
1828.8
1729.2
1648.1
1605.5
1512.5
1404.9
1274.6
1141.7
1011.4
877.2
693.8
517.0
370.8
191.4
75.8
0.0

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