

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: P850487

Luminaire Tested: **GLAN-SB8A-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27916 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

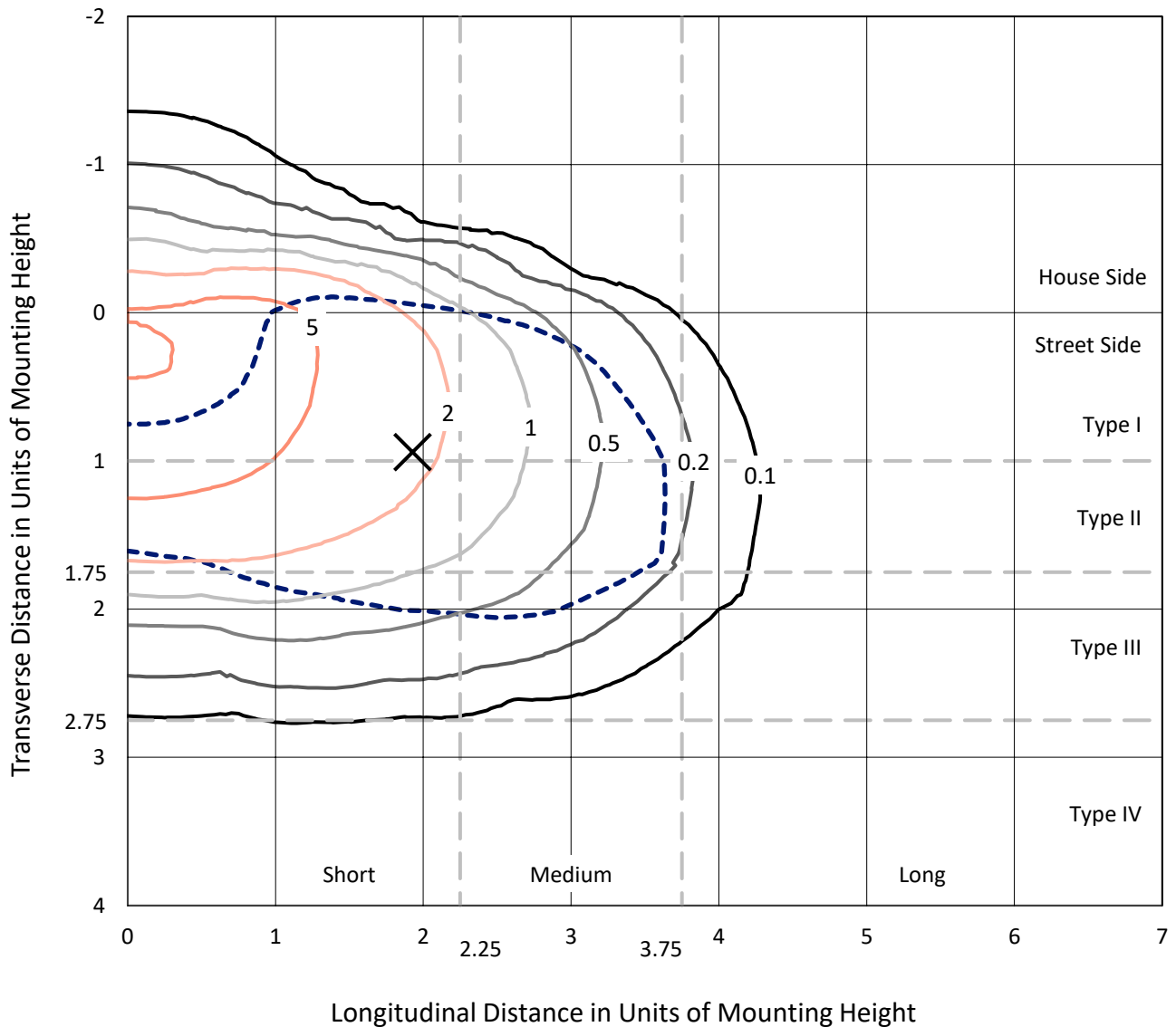
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

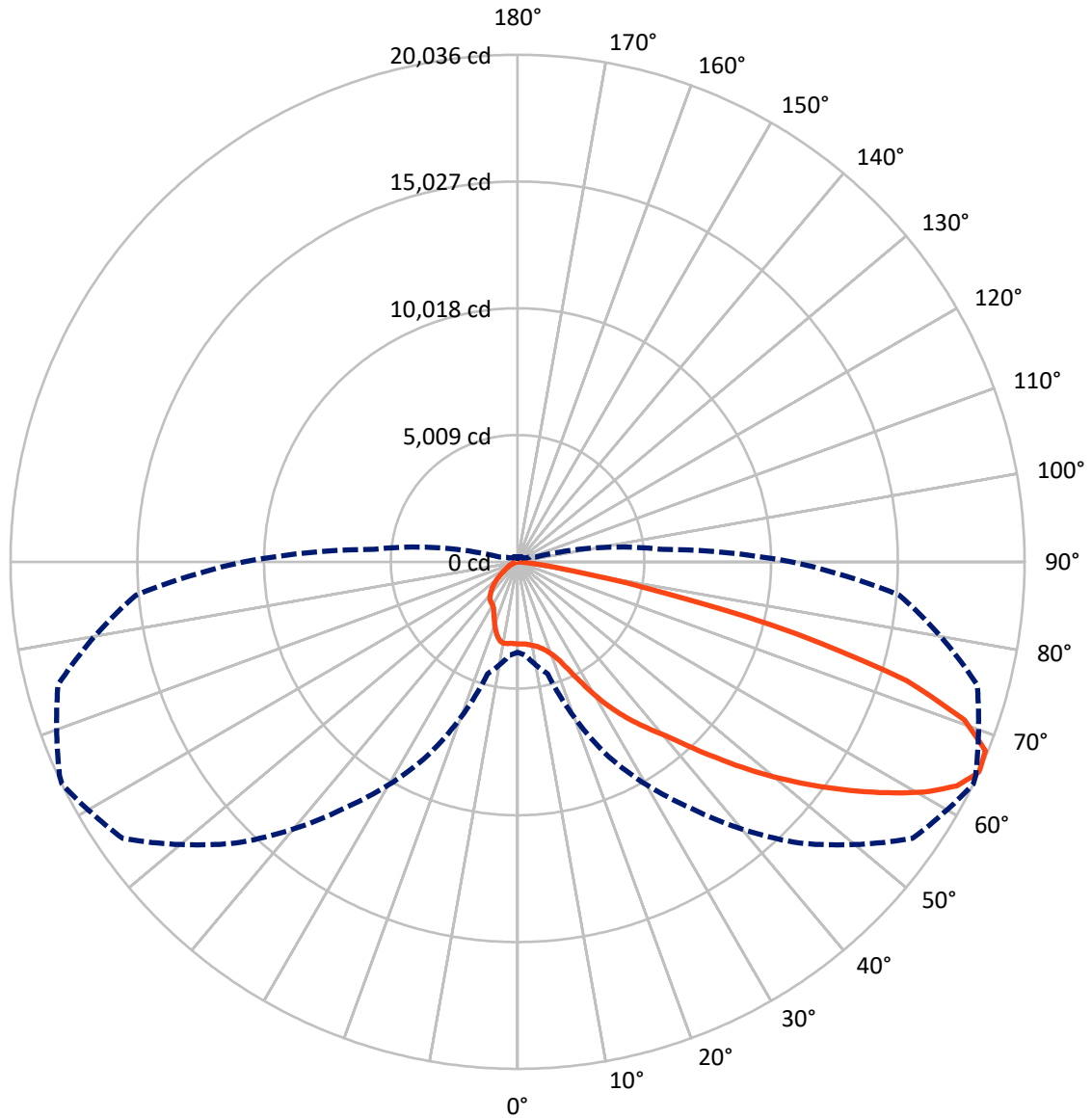
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3733.2	0.0	3733.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	24182.8	0.0	24182.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	27916.0	0.0	27916.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.6	1.1
10°-20°	812.5	2.9
20°-30°	1539.6	5.5
30°-40°	3115.4	11.2
40°-50°	5307.2	19.0
50°-60°	7217.4	25.9
60°-70°	6777.5	24.3
70°-80°	2715.3	9.7
80°-90°	131.5	0.5
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°	27916.0	100.0
0°-180°	27916.0	100.0

Coefficient of Utilization



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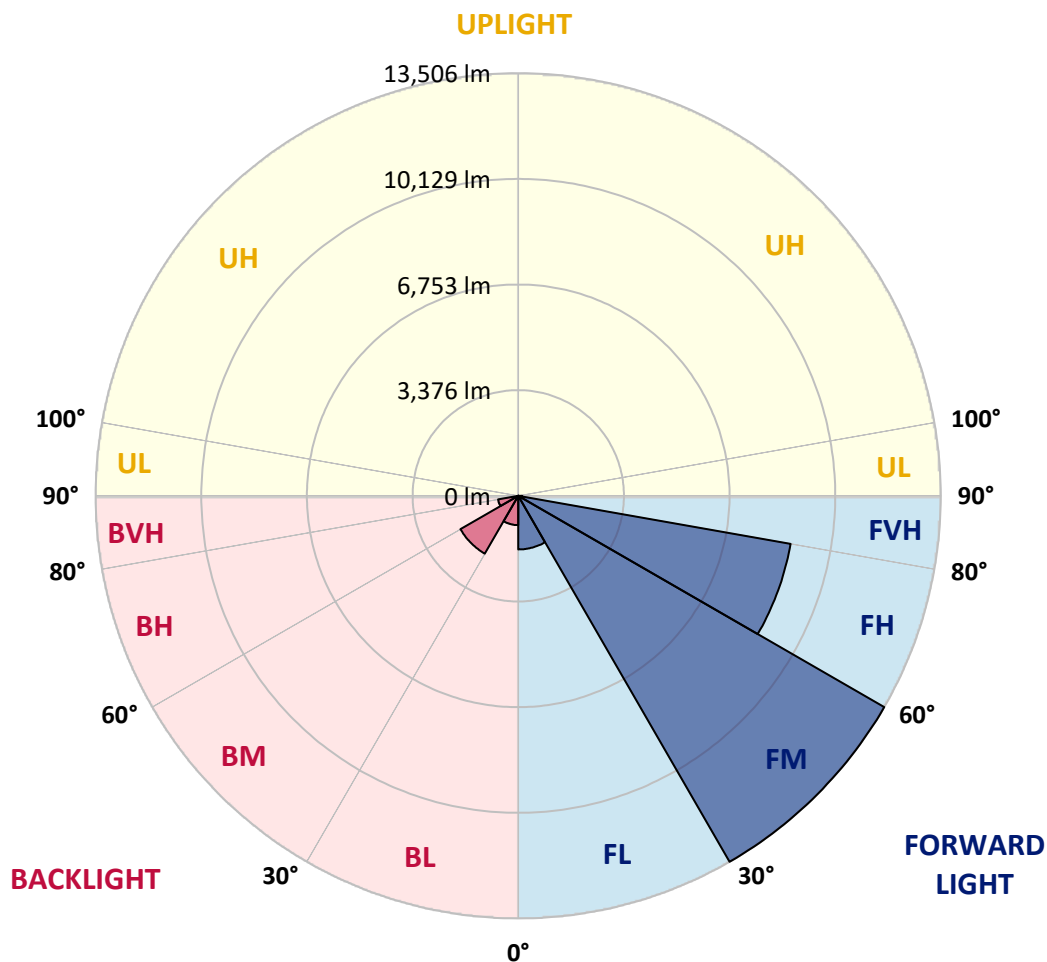
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1714.4	6.1			
FM (30°-60°)	13505.7	48.4			
FH (60°-80°)	8837.6	31.7			G4/12000
FVH (80°-90°)	125.1	0.4			G2/225
BL (0°-30°)	937.3	3.4	B2/1000		
BM (30°-60°)	2134.3	7.6	B2/2500		
BH (60°-80°)	655.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3246.9	3246.9	3246.9	3246.9	3246.9	3246.9	3246.9	3246.9	3246.9	3246.9
2.5°	3235.7	3258.1	3252.5	3246.9	3245.0	3248.8	3250.7	3248.8	3248.8	3248.8
5°	3173.9	3192.6	3192.6	3205.7	3224.5	3246.9	3263.8	3267.5	3271.2	3276.9
7.5°	3056.0	3071.0	3082.2	3125.3	3172.1	3231.9	3282.5	3308.7	3312.4	3333.0
10°	2975.6	2994.3	3013.0	3057.9	3125.3	3215.1	3301.2	3364.8	3374.2	3422.8
12.5°	2971.8	2990.5	3014.9	3063.5	3142.1	3237.6	3342.4	3434.1	3450.9	3522.0
15°	3011.1	3033.6	3056.0	3115.9	3200.1	3316.2	3428.4	3542.6	3559.4	3660.5
17.5°	3091.6	3121.5	3138.4	3198.3	3288.1	3417.2	3565.1	3696.1	3711.0	3828.9
20°	3250.7	3286.2	3291.8	3340.5	3428.4	3566.9	3742.8	3905.7	3924.4	4059.1
22.5°	3580.0	3630.6	3585.6	3610.0	3688.6	3827.1	4017.9	4223.8	4250.0	4403.5
25°	4160.2	4231.3	4115.3	4074.1	4107.8	4251.9	4491.4	4751.5	4781.5	4905.0
27.5°	5299.9	5208.2	5032.3	4860.1	4759.0	4841.4	5110.9	5432.7	5470.2	5589.9
30°	6551.9	6471.4	6233.7	5851.9	5612.4	5599.3	5848.2	6207.5	6250.6	6364.7
32.5°	7805.7	7729.0	7470.7	7001.0	6585.5	6379.7	6551.9	6950.5	6972.9	7045.9
35°	9039.0	8960.4	8702.1	8221.2	7710.3	7242.4	7208.7	7657.9	7665.4	7742.1
37.5°	10279.7	10214.2	9939.1	9467.5	8964.1	8318.5	8006.0	8327.8	8337.2	8412.1
40°	11164.9	11193.0	11004.0	10639.0	10206.7	9501.2	8900.5	9040.8	8984.7	9110.1
42.5°	11924.7	11980.9	11816.2	11632.8	11382.0	10760.7	10008.4	9984.0	9894.2	9961.6
45°	12581.6	12628.4	12480.5	12437.5	12431.9	11995.8	11219.2	11073.2	10947.8	10934.7
47.5°	12823.0	12912.8	12976.5	13120.6	13401.3	13217.9	12471.2	12244.7	12104.4	12001.4
50°	12914.7	13010.1	13227.2	13646.4	14310.8	14389.4	13717.5	13463.0	13290.9	13103.7
52.5°	12791.2	12961.5	13253.4	13959.0	14922.7	15328.8	14913.4	14690.7	14494.2	14189.1
55°	12063.2	12233.5	12830.5	13955.2	15227.8	15987.6	16043.7	15944.5	15723.7	15242.7
57.5°	10528.6	10781.3	11726.3	13479.9	15222.2	16554.6	17151.6	17222.7	16975.7	16287.0
60°	8402.7	8745.2	9898.0	12426.3	14752.4	16861.5	18122.9	18478.4	18216.4	17316.3
62.5°	5863.2	6259.9	7351.0	10775.7	13678.2	16640.7	18832.1	19489.0	19290.6	18237.0
65°	3576.3	3703.5	4583.1	8479.4	11851.7	15716.2	19051.1	20035.5	19970.0	18800.3
67.5°	2382.3	2489.0	2741.6	5814.5	9199.9	13869.1	18527.1	19940.0	19958.7	18708.6
70°	1435.4	1527.1	1691.8	3381.7	5962.4	10977.8	16904.6	18723.6	18832.1	17482.8
72.5°	591.4	653.1	802.8	1532.7	3087.8	6967.3	13461.2	16075.5	16328.2	14700.0
75°	335.0	366.8	471.6	769.2	1339.9	3246.9	8153.8	11411.9	11784.4	10131.9
77.5°	222.7	237.7	305.0	497.8	754.2	1107.9	3484.6	5945.5	6656.7	5533.8
80°	149.7	162.8	209.6	333.1	490.3	475.3	1109.8	2202.7	2709.8	1901.4
82.5°	101.1	102.9	149.7	219.0	310.7	230.2	327.5	684.9	860.9	550.2
85°	58.0	56.1	110.4	127.3	138.5	95.4	99.2	205.9	269.5	232.1
87.5°	7.5	11.2	43.0	33.7	18.7	20.6	20.6	35.6	52.4	56.1
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°
3246.9	0°	3246.9	3246.9	3246.9	3246.9	3246.9	3246.9	3246.9	3246.9	3246.9	3246.9
3250.7	2.5°	3250.7	3248.8	3243.2	3237.6	3224.5	3217.0	3220.7	3217.0	3215.1	3217.0
3275.0	5°	3275.0	3269.4	3254.4	3235.7	3209.5	3177.7	3157.1	3127.1	3099.1	3082.2
3340.5	7.5°	3340.5	3334.9	3314.3	3261.9	3177.7	3044.8	2923.2	2816.5	2736.0	2689.2
3445.3	10°	3445.3	3435.9	3404.1	3288.1	3067.3	2777.2	2535.8	2335.5	2204.5	2142.8
3568.8	12.5°	3568.8	3557.6	3501.4	3263.8	2857.7	2404.8	2071.7	1849.0	1727.3	1673.1
3711.0	15°	3714.8	3699.8	3589.4	3147.7	2552.6	1993.1	1688.0	1521.5	1442.9	1394.2
3892.6	17.5°	3896.3	3870.1	3654.9	2973.7	2221.4	1678.7	1452.2	1326.8	1257.6	1210.8
4130.2	20°	4132.1	4089.1	3707.3	2766.0	1916.3	1480.3	1293.2	1188.4	1136.0	1094.8
4467.1	22.5°	4461.5	4399.7	3770.9	2541.4	1701.1	1343.7	1175.3	1098.5	1055.5	1008.7
4936.8	25°	4869.4	4796.5	3849.5	2333.7	1553.3	1225.8	1089.2	1025.5	975.0	920.7
5552.5	27.5°	5440.2	5309.2	3943.1	2163.4	1426.0	1124.7	1010.6	939.5	881.4	836.5
6250.6	30°	6076.5	5861.3	4025.4	2060.4	1310.0	1031.2	907.6	836.5	782.3	750.4
6877.5	32.5°	6679.1	6387.2	4079.7	2015.5	1205.2	924.5	795.4	718.6	677.5	668.1
7491.3	35°	7248.0	6862.5	4074.1	1972.5	1111.6	817.8	684.9	606.3	574.5	580.1
8151.9	37.5°	7903.0	7369.7	4034.8	1905.1	1034.9	720.5	589.5	520.3	492.2	494.1
8954.8	40°	8664.7	7955.4	4010.5	1777.9	950.7	630.7	510.9	454.8	434.2	426.7
9800.6	42.5°	9476.9	8522.5	4014.2	1633.8	845.9	550.2	456.6	409.8	391.1	385.5
10742.0	45°	10292.8	9063.3	4019.8	1484.0	735.5	488.4	417.3	378.0	366.8	359.3
11696.4	47.5°	11060.1	9523.7	3915.0	1323.1	626.9	441.7	385.5	359.3	350.0	340.6
12654.6	50°	11775.0	9830.6	3662.4	1136.0	540.8	404.2	361.2	342.5	333.1	323.8
13522.9	52.5°	12330.8	9879.2	3245.0	943.2	481.0	376.2	346.2	329.4	318.1	308.8
14224.7	55°	12577.8	9574.2	2651.8	763.5	434.2	351.8	331.2	314.4	301.3	291.9
14776.8	57.5°	12514.2	8932.3	2067.9	613.8	389.3	327.5	312.5	301.3	286.3	271.4
15224.0	60°	12201.7	8073.3	1558.9	510.9	348.1	301.3	291.9	282.6	262.0	239.5
15396.2	62.5°	11660.8	6993.5	1111.6	422.9	303.2	271.4	267.6	260.1	230.2	189.0
15141.7	65°	10833.7	5681.6	748.6	351.8	260.1	237.7	239.5	226.4	187.1	140.4
14209.7	67.5°	9624.7	4154.6	479.1	288.2	217.1	198.4	200.2	192.8	159.1	119.8
12443.1	70°	8084.6	2751.0	312.5	219.0	174.0	153.5	164.7	166.6	134.7	97.3
9549.9	72.5°	5926.8	1624.4	219.0	162.8	127.3	106.7	134.7	138.5	108.5	73.0
5745.3	75°	3377.9	771.0	164.7	117.9	78.6	74.9	104.8	104.8	74.9	48.7
2487.1	77.5°	1418.5	321.9	116.0	76.7	44.9	43.0	71.1	65.5	37.4	22.5
606.3	80°	409.8	144.1	61.8	37.4	18.7	16.8	28.1	20.6	9.4	3.7
230.2	82.5°	160.9	63.6	24.3	15.0	7.5	7.5	3.7	0.0	0.0	0.0
131.0	85°	95.4	26.2	11.2	5.6	1.9	0.0	0.0	0.0	0.0	0.0
28.1	87.5°	24.3	5.6	3.7	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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180°
3246.9
3224.5
3086.0
2691.1
2137.2
1667.4
1396.1
1207.1
1087.3
1001.2
915.1
827.2
744.8
673.7
580.1
501.5
424.8
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359.3
340.6
323.8
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