

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: P850988

Luminaire Tested: **GLAN-SB8D-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 79539 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

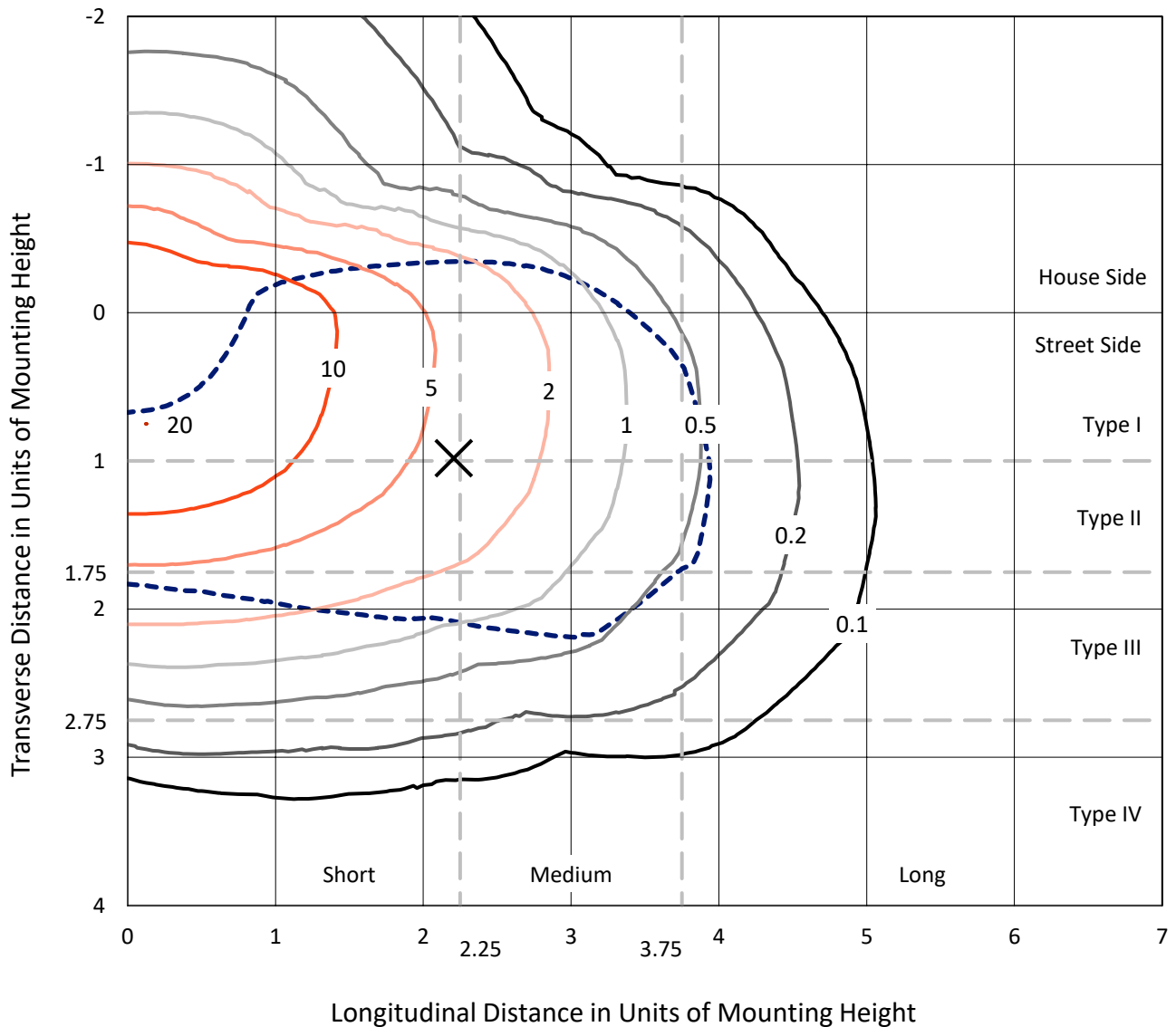
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

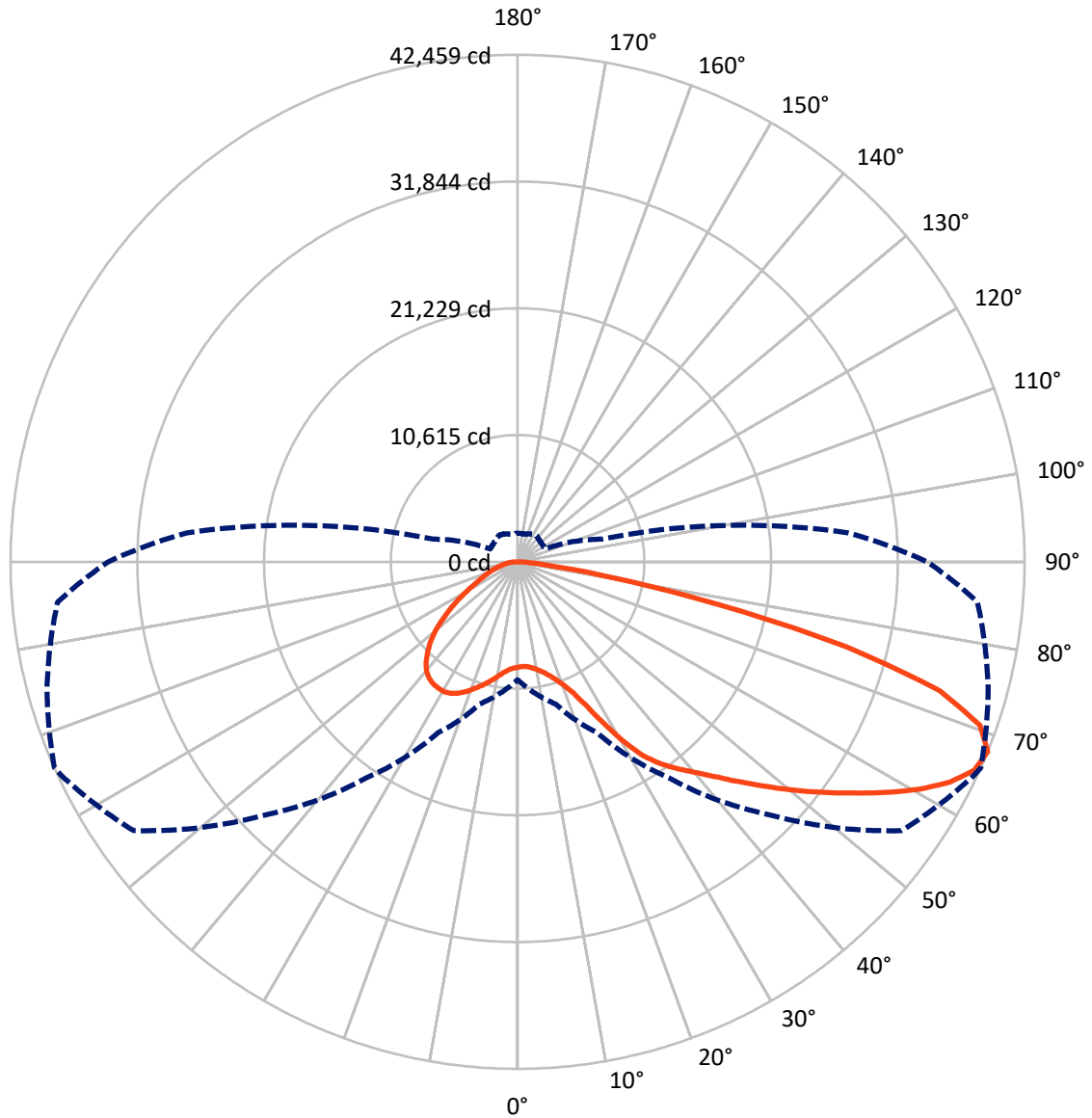
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19777.1	0.0	19777.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	59761.9	0.0	59761.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	79539.0	0.0	79539.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.7	1.1
10°-20°	2889.8	3.6
20°-30°	5569.8	7.0
30°-40°	9766.0	12.3
40°-50°	14518.8	18.3
50°-60°	18404.0	23.1
60°-70°	18007.9	22.6
70°-80°	8590.0	10.8
80°-90°	918.0	1.2
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°	79539.0	100.0
0°-180°	79539.0	100.0

Coefficient of Utilization



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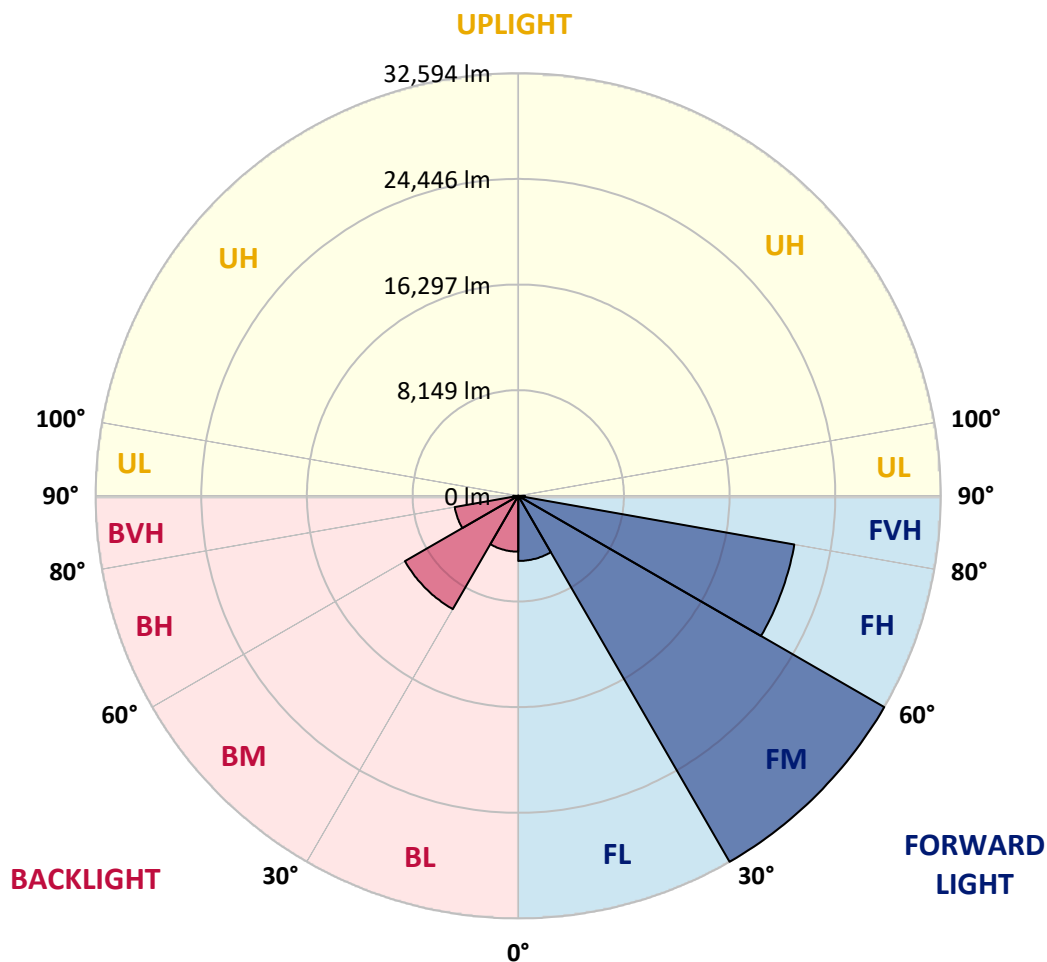
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5026.1	6.3			
FM (30°-60°)	32594.4	41.0			
FH (60°-80°)	21620.9	27.2			G5
FVH (80°-90°)	520.5	0.7			G4/750
BL (0°-30°)	4308.2	5.4	B4/5000		
BM (30°-60°)	10094.5	12.7	B5		
BH (60°-80°)	4977.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	397.5	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	8821.9	8821.9	8821.9	8821.9	8821.9	8821.9	8821.9	8821.9	8821.9	8821.9
2.5°	8730.0	8780.1	8767.6	8746.7	8742.5	8750.9	8763.4	8776.0	8771.8	8792.7
5°	8704.9	8755.1	8750.9	8750.9	8767.6	8801.0	8821.9	8842.8	8821.9	8847.0
7.5°	8721.6	8759.2	8776.0	8792.7	8834.5	8897.1	8947.3	8993.3	8968.2	8997.4
10°	8934.8	8964.0	8980.7	8980.7	9010.0	9081.0	9131.2	9214.8	9193.9	9239.8
12.5°	9323.4	9352.7	9352.7	9335.9	9356.8	9402.8	9419.5	9511.5	9473.9	9549.1
15°	9799.8	9858.3	9812.4	9783.1	9791.5	9837.4	9833.3	9904.3	9866.7	9929.4
17.5°	10326.4	10401.6	10326.4	10322.2	10305.5	10355.6	10359.8	10422.5	10355.6	10401.6
20°	10949.1	11053.5	10990.8	11011.7	10974.1	10995.0	11015.9	11107.9	11003.4	11036.8
22.5°	11826.6	11952.0	11885.2	11964.6	11939.5	11922.8	11918.6	12081.6	11918.6	11931.1
25°	13105.4	13255.9	13138.9	13247.5	13247.5	13301.8	13364.5	13573.5	13301.8	13222.4
27.5°	14994.3	15144.8	14914.9	14981.8	14960.9	15094.6	15027.8	15546.0	15253.4	15123.9
30°	17267.7	17535.2	17100.6	17083.9	17063.0	17276.1	17372.2	17714.9	17418.2	17288.6
32.5°	19725.0	20005.0	19486.8	19336.4	19257.0	19386.5	19307.1	19582.9	19378.1	19177.6
35°	22324.4	22600.2	22107.1	21814.5	21496.9	21225.3	20941.1	21012.1	20819.9	20514.8
37.5°	24781.6	25287.3	24764.9	24451.5	23866.4	23335.7	22541.7	22211.5	22031.8	21751.8
40°	27284.9	27573.2	27176.2	26908.8	26273.5	25441.9	24171.5	23473.6	23231.2	22959.6
42.5°	29127.8	29403.6	29190.5	29006.6	28509.3	27544.0	25901.6	25028.2	24677.2	24372.1
45°	30590.5	30795.3	30661.5	30728.4	30515.3	29579.2	27694.4	26695.6	26332.0	25960.1
47.5°	31179.7	31397.0	31610.2	32007.2	32370.7	31681.2	29620.9	28501.0	28116.5	27736.2
50°	31112.9	31334.3	31952.8	32797.0	33925.3	33695.5	31652.0	30423.3	30068.1	29633.5
52.5°	30577.9	30828.7	31622.7	33026.9	34823.8	35204.1	33720.6	32408.4	32074.0	31555.8
55°	29173.8	29324.2	30515.3	32504.5	35037.0	36257.2	35747.4	34522.9	34188.6	33465.6
57.5°	26570.3	26787.6	28521.9	31096.1	34502.0	36971.9	37527.7	36746.2	36424.4	35383.8
60°	23172.7	23519.6	25504.6	28730.8	33139.7	36967.7	39144.9	38931.8	38664.4	37272.7
62.5°	19328.0	19729.2	21639.0	25387.6	30757.6	35918.7	40156.3	40762.2	40624.3	39015.4
65°	14843.9	15119.7	17021.2	21062.3	27050.8	33666.2	40273.3	42011.8	42036.8	40340.1
67.5°	9883.4	10677.4	12328.1	15805.1	22086.2	29984.5	39245.2	42216.5	42458.9	40795.7
70°	4822.6	5867.4	7484.6	10272.0	15805.1	24338.7	36558.1	40536.6	41075.7	39466.7
72.5°	2001.8	2340.3	3222.0	5069.2	9072.7	16423.6	31158.8	35981.4	36980.2	34970.1
75°	1349.8	1462.7	1843.0	2599.4	4133.1	8099.0	22470.6	26829.4	28438.3	26411.5
77.5°	1040.6	1111.6	1341.5	1817.9	2457.3	3063.2	12027.2	16168.7	17000.3	15738.2
80°	819.1	873.4	1003.0	1324.8	1742.7	1638.2	4099.6	7325.8	7806.4	6548.5
82.5°	710.4	731.3	718.8	898.5	1157.6	957.0	1345.6	2703.8	2983.8	2164.7
85°	514.0	572.5	597.6	555.8	614.3	484.8	551.6	957.0	1053.1	940.3
87.5°	209.0	309.2	380.3	359.4	225.7	137.9	171.3	280.0	321.8	351.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8821.9	0°	8821.9	8821.9	8821.9	8821.9	8821.9	8821.9	8821.9	8821.9	8821.9	8821.9
8826.1	2.5°	8830.3	8859.5	8880.4	8905.5	8922.2	8947.3	8997.4	9026.7	9030.9	9051.8
8893.0	5°	8909.7	8951.5	8997.4	9064.3	9139.5	9202.2	9298.3	9365.2	9390.3	9411.2
9056.0	7.5°	9081.0	9139.5	9223.1	9340.1	9448.8	9532.4	9649.4	9728.8	9808.2	9837.4
9315.1	10°	9335.9	9419.5	9540.7	9699.5	9816.5	9925.2	10046.4	10113.2	10192.6	10226.1
9624.3	12.5°	9653.6	9741.3	9900.1	10121.6	10230.3	10305.5	10347.3	10330.6	10347.3	10376.5
9996.2	15°	10017.1	10113.2	10292.9	10531.1	10606.4	10539.5	10447.6	10364.0	10351.5	10359.8
10447.6	17.5°	10447.6	10518.6	10727.6	10928.2	10873.8	10598.0	10397.4	10263.7	10196.8	10175.9
11024.3	20°	11049.3	11049.3	11220.7	11346.1	10982.5	10514.4	10201.0	9983.7	9845.8	9787.3
11809.9	22.5°	11780.7	11713.8	11822.5	11734.7	10961.6	10280.4	9845.8	9469.7	9260.7	9177.1
12909.0	25°	12708.4	12629.0	12599.8	12056.5	10811.1	9908.5	9202.2	8746.7	8562.8	8516.9
14492.9	27.5°	14108.4	13907.8	13527.5	12232.0	10535.3	9323.4	8450.0	8027.9	7923.4	7927.6
16528.1	30°	15972.2	15571.1	14639.1	12261.3	10084.0	8496.0	7681.1	7380.2	7330.0	7350.9
18237.3	32.5°	17698.2	17317.9	15775.8	12127.5	9390.3	7685.2	6991.5	6790.9	6715.7	6740.8
19541.1	35°	19052.2	18947.7	16828.9	11939.5	8537.8	6924.6	6373.0	6201.7	6055.4	6022.0
20769.8	37.5°	20331.0	20289.2	17618.8	11676.2	7693.6	6385.6	5875.7	5650.0	5436.9	5319.9
22127.9	40°	21735.1	21693.3	18137.0	11270.8	6945.5	5917.5	5428.6	5131.8	4868.6	4655.4
23665.8	42.5°	23314.8	23068.2	18383.5	10690.0	6310.3	5520.5	5065.0	4663.8	4316.9	4120.5
25404.3	45°	25040.7	24484.9	18379.4	9950.3	5775.4	5156.9	4676.3	4108.0	3786.2	3602.3
27188.8	47.5°	26871.1	25838.9	18153.7	9131.2	5257.2	4755.7	4074.6	3639.9	3426.8	3314.0
29127.8	50°	28760.1	27105.2	17769.2	8190.9	4726.5	4300.2	3698.4	3401.7	3238.7	3134.3
31050.2	52.5°	30536.2	28254.4	17305.4	7125.2	4187.4	3857.2	3531.3	3301.4	3130.1	3013.1
32914.0	55°	32186.9	29244.8	16649.2	6034.5	3748.6	3560.5	3451.9	3259.6	3063.2	2925.3
34807.1	57.5°	33653.7	29888.4	15516.7	5010.7	3435.2	3355.8	3368.3	3188.6	2962.9	2845.9
36671.0	60°	34874.0	30360.6	13840.9	4062.0	3180.2	3155.2	3238.7	3054.9	2791.6	2657.9
38246.5	62.5°	35605.3	30352.3	11784.9	3326.5	2962.9	2971.3	3067.4	2887.7	2620.3	2494.9
39069.7	65°	35542.6	29608.4	9528.2	2845.9	2754.0	2762.3	2887.7	2703.8	2478.2	2402.9
38656.0	67.5°	34284.7	27794.7	7309.1	2532.5	2524.1	2561.7	2708.0	2578.5	2390.4	2382.0
36190.4	70°	30878.8	24029.4	5265.6	2281.7	2285.9	2340.3	2532.5	2499.1	2344.4	2361.2
30427.5	72.5°	24760.7	18320.9	3535.5	2018.5	2022.6	2110.4	2365.3	2436.4	2298.5	2520.0
21588.9	75°	16490.4	11425.5	2273.4	1738.5	1742.7	1855.5	2219.1	2315.2	2173.1	2511.6
11233.2	77.5°	7923.4	5136.0	1646.5	1462.7	1462.7	1567.1	1918.2	2072.8	1851.3	1951.6
3610.7	80°	2737.3	1930.7	1295.5	1178.5	1153.4	1224.5	1617.3	1797.0	1596.4	1471.0
1178.5	82.5°	1078.2	1003.0	1040.6	915.2	831.6	877.6	1257.9	1483.6	1174.3	1061.5
664.5	85°	618.5	651.9	735.5	606.0	480.6	539.1	923.6	1065.7	886.0	781.5
217.3	87.5°	167.2	229.8	338.5	313.4	217.3	229.8	438.8	589.2	509.8	392.8
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°
8821.9
9047.6
9407.0
9841.6
10242.8
10384.9
10389.1
10205.2
9774.7
9164.6
8525.2
7940.2
7422.0
6774.2
6047.1
5324.1
4676.3
4133.1
3594.0
3288.9
3096.7
2962.9
2871.0
2770.7
2599.4
2457.3
2398.8
2394.6
2357.0
2553.4
2532.5
1788.6
1379.1
1057.3
798.2
405.4
0.0

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