

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: P850818

Luminaire Tested: **GLAN-SB8C-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850818
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-SB8C-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58537 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

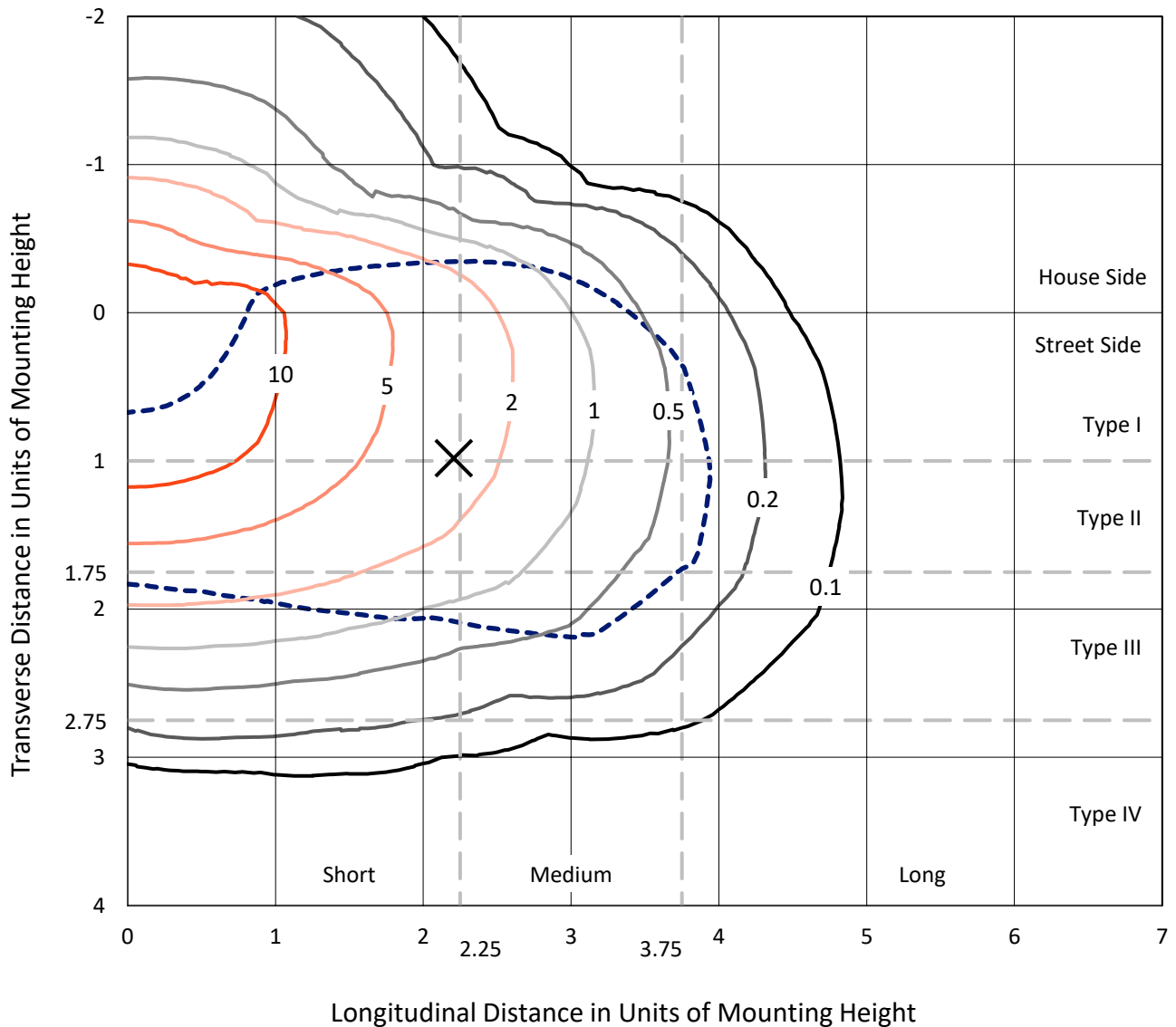
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

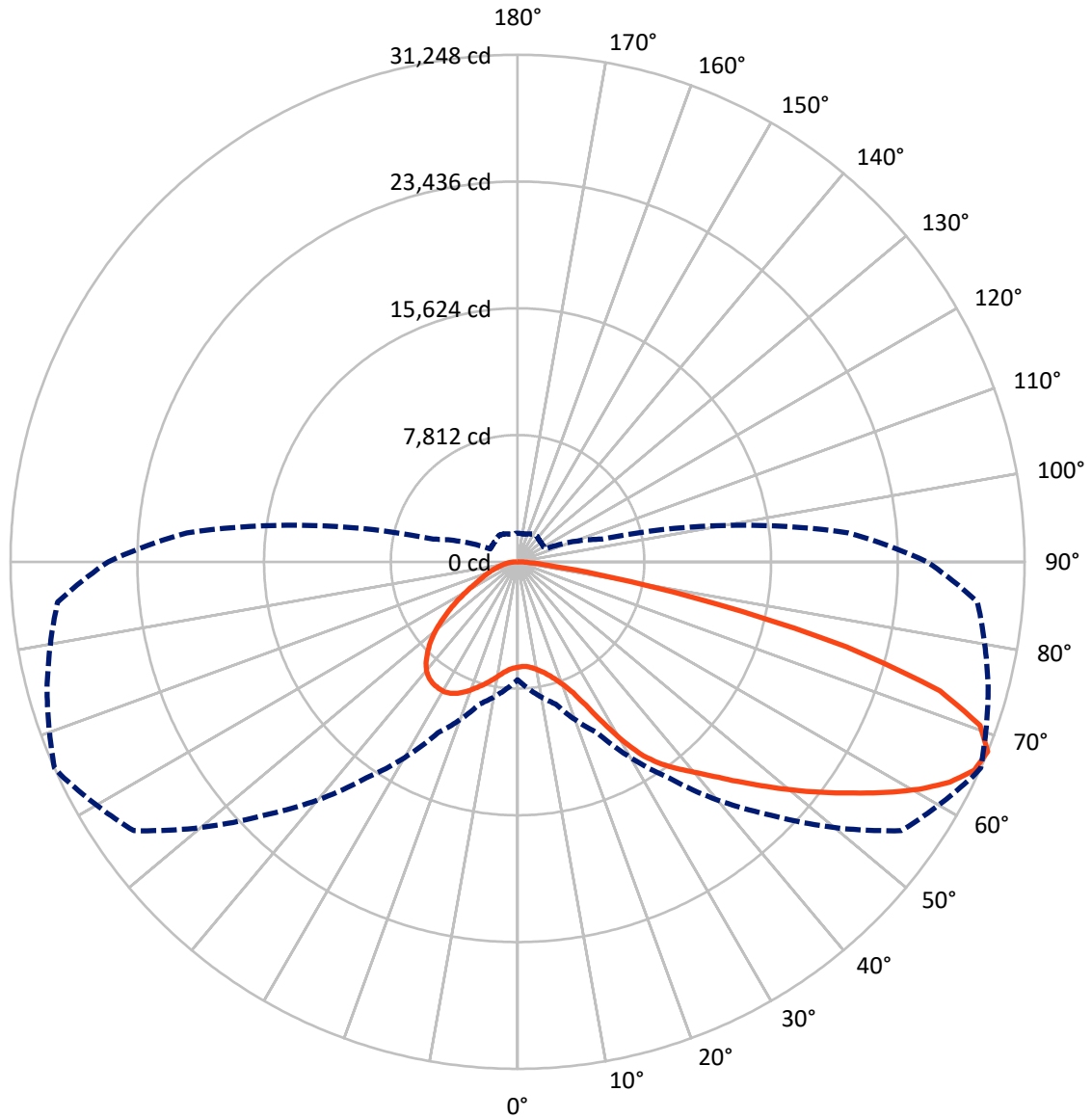
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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	14555.1	0.0	14555.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	43981.9	0.0	43981.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	58537.0	0.0	58537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.7	1.1
10°-20°	2126.7	3.6
20°-30°	4099.1	7.0
30°-40°	7187.3	12.3
40°-50°	10685.2	18.3
50°-60°	13544.5	23.1
60°-70°	13253.0	22.6
70°-80°	6321.8	10.8
80°-90°	675.6	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°	58537.0	100.0
0°-180°	58537.0	100.0

Coefficient of Utilization



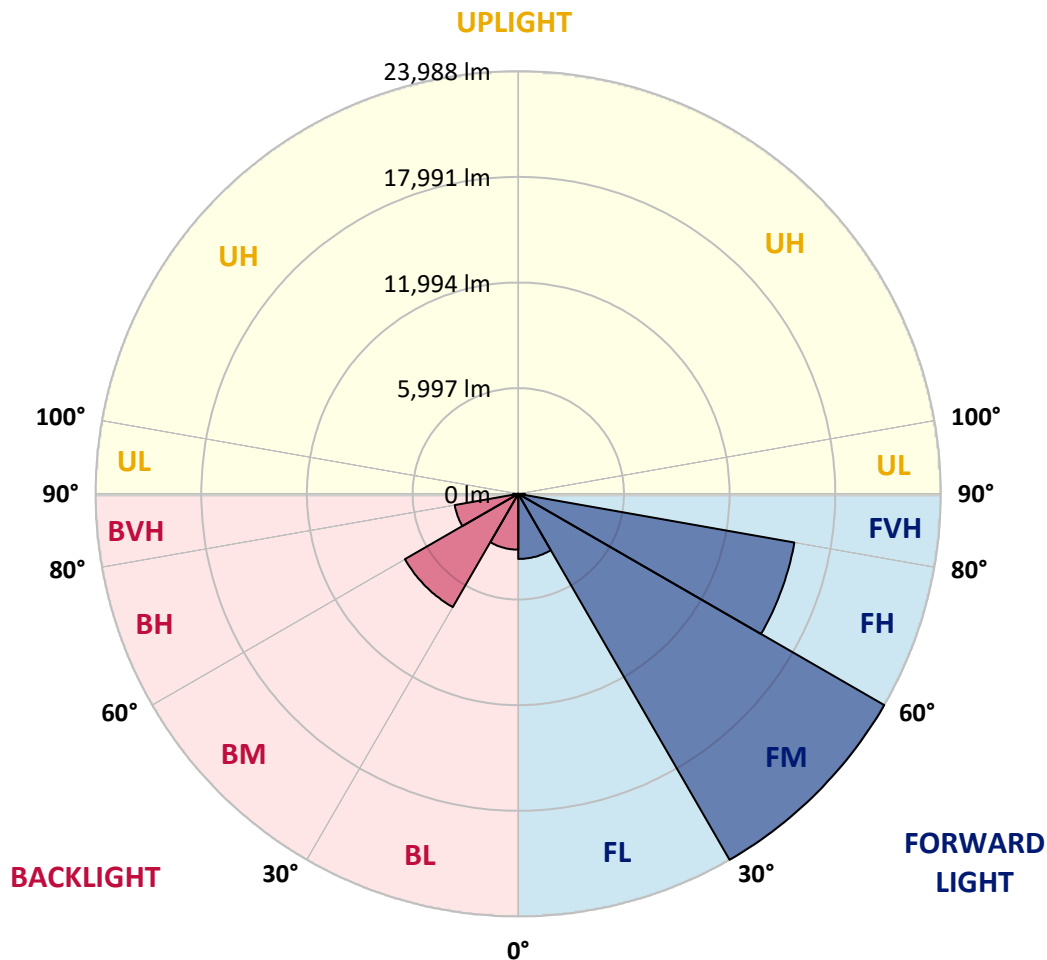
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3699.0	6.3			
FM (30°-60°)	23988.0	41.0			
FH (60°-80°)	15912.0	27.2			G5
FVH (80°-90°)	383.1	0.7			G3/500
BL (0°-30°)	3170.6	5.4	B4/5000		
BM (30°-60°)	7429.1	12.7	B4/8500		
BH (60°-80°)	3662.8	6.3	B4/5000		G4/5000
BVH (80°-90°)	292.6	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6492.5	6492.5	6492.5	6492.5	6492.5	6492.5	6492.5	6492.5	6492.5	6492.5
2.5°	6424.9	6461.8	6452.5	6437.2	6434.1	6440.2	6449.5	6458.7	6455.6	6471.0
5°	6406.4	6443.3	6440.2	6440.2	6452.5	6477.1	6492.5	6507.9	6492.5	6511.0
7.5°	6418.7	6446.4	6458.7	6471.0	6501.8	6547.9	6584.8	6618.6	6600.2	6621.7
10°	6575.6	6597.1	6609.4	6609.4	6630.9	6683.2	6720.1	6781.6	6766.3	6800.1
12.5°	6861.6	6883.1	6883.1	6870.8	6886.2	6920.0	6932.3	7000.0	6972.3	7027.7
15°	7212.2	7255.3	7221.4	7199.9	7206.1	7239.9	7236.8	7289.1	7261.4	7307.6
17.5°	7599.7	7655.1	7599.7	7596.7	7584.4	7621.3	7624.3	7670.5	7621.3	7655.1
20°	8058.0	8134.9	8088.7	8104.1	8076.4	8091.8	8107.2	8174.9	8098.0	8122.6
22.5°	8703.9	8796.1	8746.9	8805.4	8786.9	8774.6	8771.5	8891.5	8771.5	8780.8
25°	9645.0	9755.7	9669.6	9749.6	9749.6	9789.5	9835.7	9989.4	9789.5	9731.1
27.5°	11035.1	11145.9	10976.7	11025.9	11010.5	11109.0	11059.7	11441.1	11225.8	11130.5
30°	12708.3	12905.1	12585.2	12572.9	12557.5	12714.4	12785.1	13037.3	12819.0	12723.6
32.5°	14516.7	14722.8	14341.4	14230.7	14172.2	14267.6	14209.1	14412.1	14261.4	14113.8
35°	16429.7	16632.7	16269.8	16054.5	15820.7	15620.8	15411.7	15464.0	15322.5	15098.0
37.5°	18238.1	18610.3	18225.8	17995.2	17564.6	17174.0	16589.6	16346.7	16214.4	16008.3
40°	20080.4	20292.6	20000.4	19803.6	19336.1	18724.1	17789.1	17275.5	17097.1	16897.2
42.5°	21436.7	21639.7	21482.9	21347.5	20981.5	20271.1	19062.4	18419.6	18161.2	17936.7
45°	22513.2	22663.9	22565.5	22614.7	22457.8	21768.9	20381.8	19646.7	19379.2	19105.4
47.5°	22946.8	23106.8	23263.6	23555.8	23823.4	23315.9	21799.6	20975.4	20692.4	20412.6
50°	22897.6	23060.6	23515.8	24137.1	24967.5	24798.3	23294.4	22390.1	22128.7	21808.9
52.5°	22503.9	22688.5	23272.8	24306.2	25628.7	25908.6	24816.8	23851.0	23605.0	23223.6
55°	21470.5	21581.3	22457.8	23921.8	25785.6	26683.6	26308.4	25407.3	25161.2	24629.2
57.5°	19554.5	19714.4	20990.8	22885.3	25391.9	27209.6	27618.6	27043.5	26806.7	26040.8
60°	17054.0	17309.3	18770.2	21144.5	24389.3	27206.5	28808.9	28652.0	28455.2	27431.0
62.5°	14224.5	14519.8	15925.3	18684.1	22636.2	26434.5	29553.1	29999.1	29897.6	28713.5
65°	10924.4	11127.4	12526.8	15500.9	19908.2	24776.8	29639.3	30918.7	30937.2	29688.5
67.5°	7273.7	7858.1	9072.9	11631.8	16254.4	22067.2	28882.7	31069.4	31247.8	30023.7
70°	3549.2	4318.1	5508.3	7559.7	11631.8	17912.1	26905.1	29833.0	30229.8	29045.7
72.5°	1473.2	1722.3	2371.3	3730.7	6677.1	12087.0	22931.4	26480.7	27215.7	25736.4
75°	993.4	1076.4	1356.3	1913.0	3041.7	5960.5	16537.3	19745.2	20929.2	19437.6
77.5°	765.8	818.1	987.3	1337.9	1808.4	2254.4	8851.5	11899.4	12511.4	11582.6
80°	602.8	642.8	738.1	975.0	1282.5	1205.6	3017.1	5391.5	5745.2	4819.4
82.5°	522.8	538.2	529.0	661.2	851.9	704.3	990.3	1989.9	2196.0	1593.1
85°	378.3	421.4	439.8	409.1	452.1	356.8	406.0	704.3	775.0	692.0
87.5°	153.8	227.6	279.9	264.5	166.1	101.5	126.1	206.1	236.8	258.3
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°
6492.5	0°	6492.5	6492.5	6492.5	6492.5	6492.5	6492.5	6492.5	6492.5	6492.5	6492.5
6495.6	2.5°	6498.7	6520.2	6535.6	6554.0	6566.3	6584.8	6621.7	6643.2	6646.3	6661.7
6544.8	5°	6557.1	6587.9	6621.7	6670.9	6726.3	6772.4	6843.1	6892.4	6910.8	6926.2
6664.8	7.5°	6683.2	6726.3	6787.8	6873.9	6953.9	7015.4	7101.5	7159.9	7218.4	7239.9
6855.4	10°	6870.8	6932.3	7021.5	7138.4	7224.5	7304.5	7393.7	7442.9	7501.3	7525.9
7083.0	12.5°	7104.6	7169.2	7286.0	7449.0	7529.0	7584.4	7615.1	7602.8	7615.1	7636.6
7356.8	15°	7372.1	7442.9	7575.1	7750.4	7805.8	7756.6	7688.9	7627.4	7618.2	7624.3
7688.9	17.5°	7688.9	7741.2	7895.0	8042.6	8002.6	7799.6	7652.0	7553.6	7504.4	7489.0
8113.4	20°	8131.8	8131.8	8257.9	8350.2	8082.6	7738.1	7507.5	7347.5	7246.0	7203.0
8691.6	22.5°	8670.0	8620.8	8700.8	8636.2	8067.2	7565.9	7246.0	6969.2	6815.5	6754.0
9500.4	25°	9352.8	9294.4	9272.8	8873.0	7956.5	7292.2	6772.4	6437.2	6301.8	6268.0
10666.1	27.5°	10383.1	10235.5	9955.6	9002.2	7753.5	6861.6	6218.8	5908.2	5831.3	5834.4
12163.9	30°	11754.8	11459.6	10773.7	9023.7	7421.3	6252.6	5652.9	5431.5	5394.5	5409.9
13421.8	32.5°	13025.0	12745.2	11610.3	8925.3	6910.8	5656.0	5145.4	4997.8	4942.4	4960.9
14381.4	35°	14021.5	13944.6	12385.3	8786.9	6283.4	5096.2	4690.2	4564.1	4456.5	4431.9
15285.6	37.5°	14962.6	14931.9	12966.6	8593.1	5662.1	4699.5	4324.3	4158.2	4001.3	3915.2
16285.1	40°	15996.0	15965.3	13348.0	8294.8	5111.6	4355.0	3995.2	3776.8	3583.0	3426.2
17416.9	42.5°	17158.6	16977.1	13529.4	7867.3	4644.1	4062.8	3727.6	3432.3	3177.1	3032.5
18696.4	45°	18428.8	18019.8	13526.4	7322.9	4250.4	3795.3	3441.6	3023.3	2786.5	2651.1
20009.7	47.5°	19775.9	19016.2	13360.3	6720.1	3869.1	3500.0	2998.7	2678.8	2522.0	2438.9
21436.7	50°	21166.1	19948.1	13077.3	6028.1	3478.5	3164.8	2721.9	2503.5	2383.6	2306.7
22851.5	52.5°	22473.2	20793.9	12735.9	5243.8	3081.7	2838.8	2598.9	2429.7	2303.6	2217.5
24223.2	55°	23688.0	21522.8	12253.1	4441.1	2758.8	2620.4	2540.4	2398.9	2254.4	2152.9
25616.4	57.5°	24767.6	21996.5	11419.6	3687.6	2528.1	2469.7	2478.9	2346.7	2180.6	2094.5
26988.1	60°	25665.6	22344.0	10186.3	2989.5	2340.5	2322.1	2383.6	2248.2	2054.5	1956.1
28147.6	62.5°	26203.9	22337.9	8673.1	2448.2	2180.6	2186.7	2257.5	2125.2	1928.4	1836.1
28753.5	65°	26157.7	21790.4	7012.3	2094.5	2026.8	2033.0	2125.2	1989.9	1823.8	1768.5
28449.0	67.5°	25232.0	20455.6	5379.2	1863.8	1857.6	1885.3	1993.0	1897.6	1759.2	1753.1
26634.4	70°	22725.4	17684.5	3875.2	1679.3	1682.3	1722.3	1863.8	1839.2	1725.4	1737.7
22393.2	72.5°	18222.7	13483.3	2601.9	1485.5	1488.6	1553.2	1740.8	1793.1	1691.6	1854.6
15888.4	75°	12136.2	8408.6	1673.1	1279.4	1282.5	1365.6	1633.1	1703.9	1599.3	1848.4
8267.1	77.5°	5831.3	3779.9	1211.8	1076.4	1076.4	1153.3	1411.7	1525.5	1362.5	1436.3
2657.3	80°	2014.5	1420.9	953.4	867.3	848.9	901.1	1190.2	1322.5	1174.9	1082.6
867.3	82.5°	793.5	738.1	765.8	673.5	612.0	645.9	925.7	1091.8	864.2	781.2
489.0	85°	455.2	479.8	541.3	446.0	353.7	396.7	679.7	784.3	652.0	575.1
159.9	87.5°	123.0	169.2	249.1	230.7	159.9	169.2	322.9	433.7	375.2	289.1
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°
6492.5
6658.6
6923.1
7243.0
7538.2
7642.8
7645.9
7510.5
7193.8
6744.7
6274.2
5843.6
5462.2
4985.5
4450.3
3918.3
3441.6
3041.7
2645.0
2420.5
2279.0
2180.6
2112.9
2039.1
1913.0
1808.4
1765.4
1762.3
1734.6
1879.2
1863.8
1316.3
1014.9
778.1
587.4
298.3
0.0

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