

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: P850898

Luminaire Tested: **GLAN-SB8C-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850898
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-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53891 lumens
Efficiency: N/A
Efficacy: 134.8 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

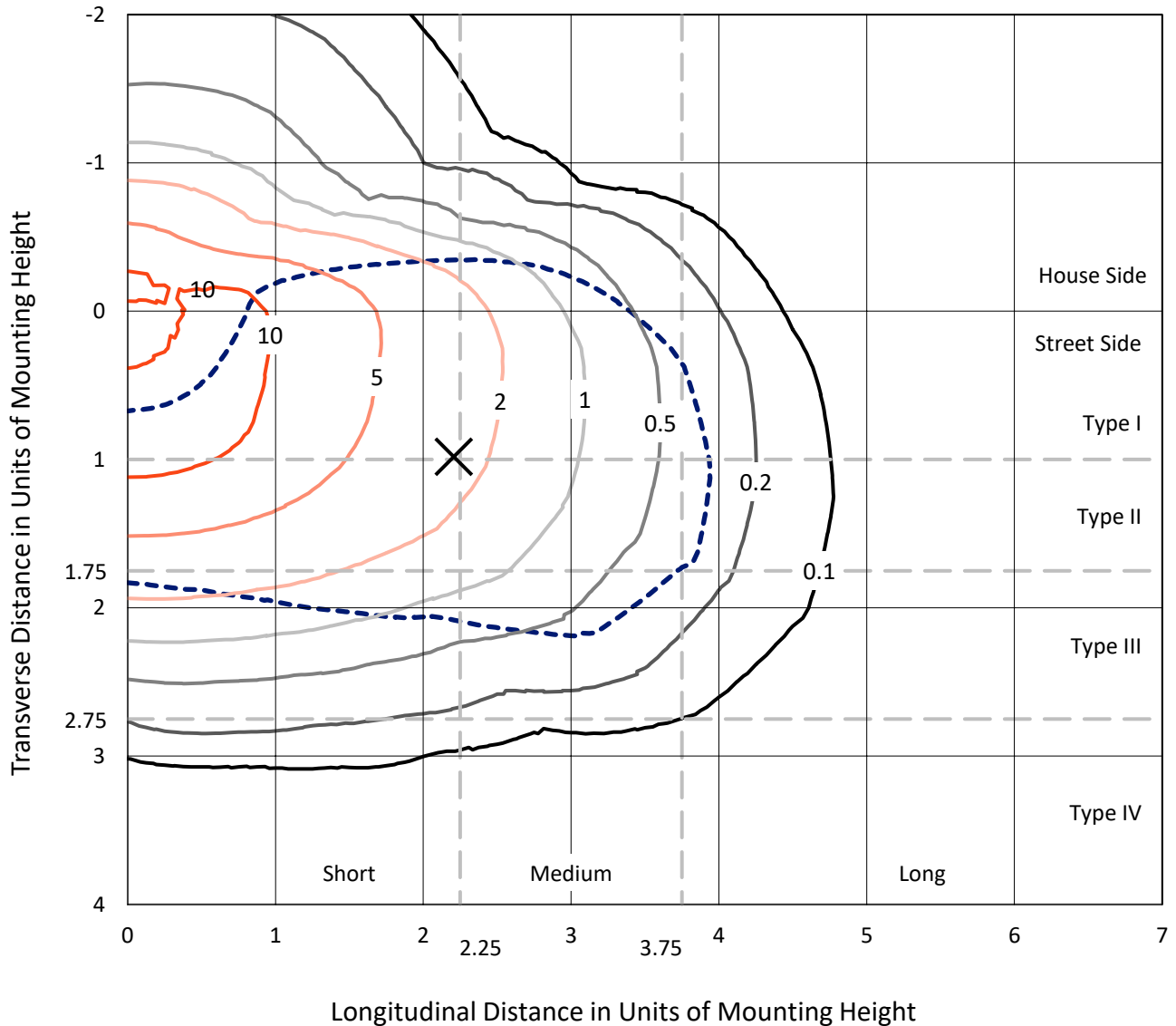
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

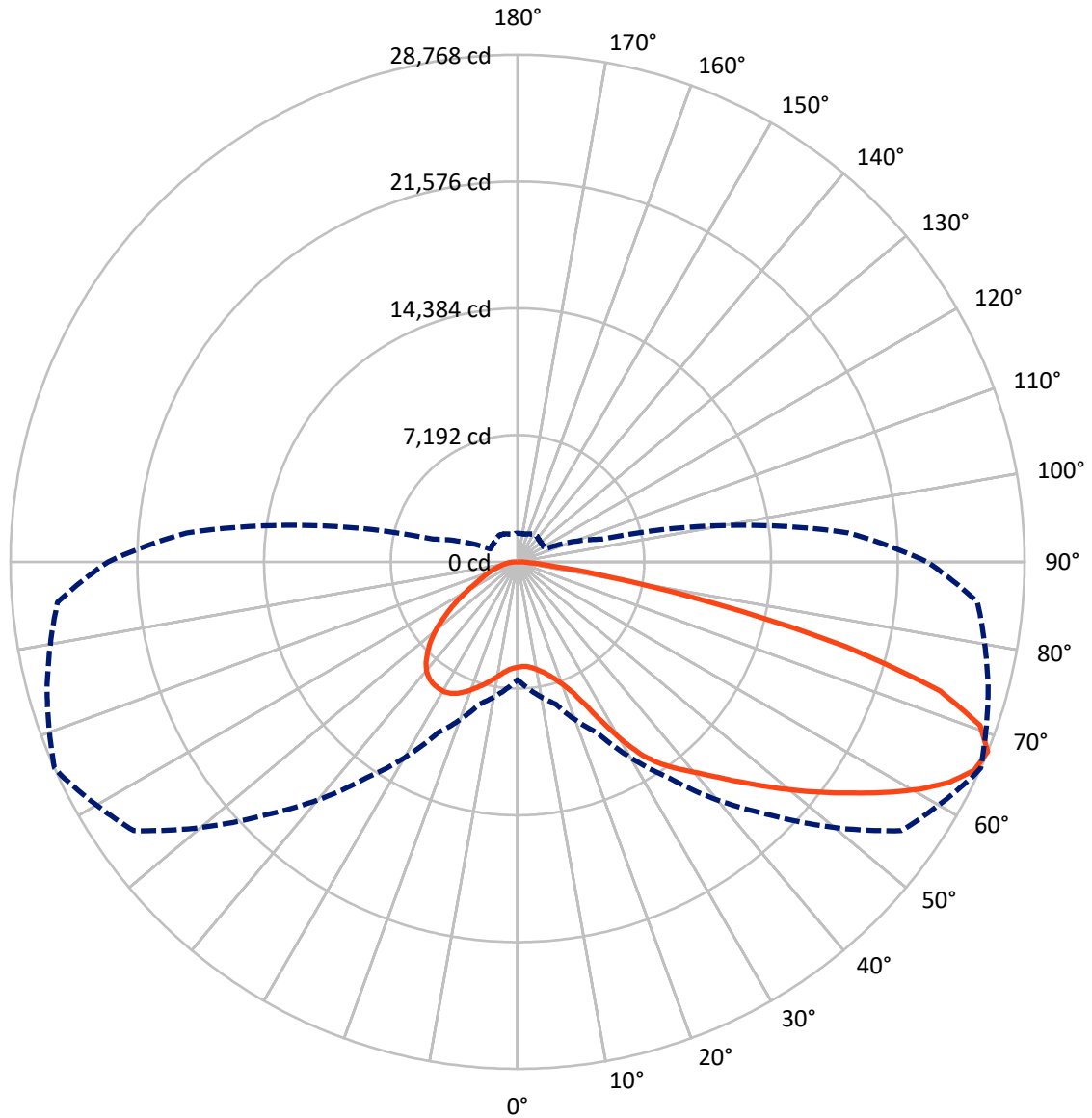
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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	13399.8	0.0	13399.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	40491.2	0.0	40491.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	53891.0	0.0	53891.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.6	1.1
10°-20°	1957.9	3.6
20°-30°	3773.8	7.0
30°-40°	6616.9	12.3
40°-50°	9837.1	18.3
50°-60°	12469.5	23.1
60°-70°	12201.1	22.6
70°-80°	5820.0	10.8
80°-90°	622.0	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°	53891.0	100.0
0°-180°	53891.0	100.0

Coefficient of Utilization



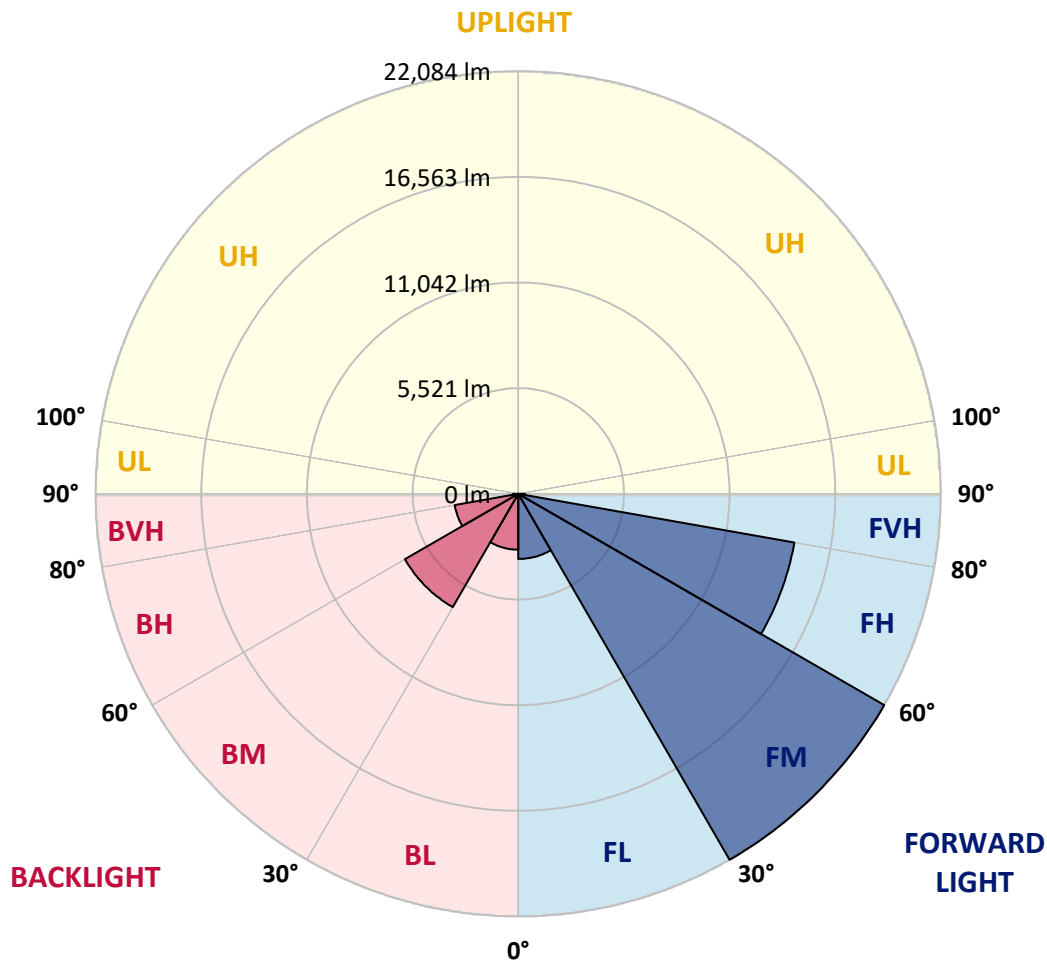
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3405.4	6.3			
FM (30°-60°)	22084.1	41.0			
FH (60°-80°)	14649.1	27.2			G5
FVH (80°-90°)	352.7	0.7			G3/500
BL (0°-30°)	2919.0	5.4	B4/5000		
BM (30°-60°)	6839.4	12.7	B4/8500		
BH (60°-80°)	3372.1	6.3	B4/5000		G4/5000
BVH (80°-90°)	269.4	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°	5977.2	5977.2	5977.2	5977.2	5977.2	5977.2	5977.2	5977.2	5977.2	5977.2
2.5°	5914.9	5948.9	5940.4	5926.3	5923.4	5929.1	5937.6	5946.1	5943.2	5957.4
5°	5897.9	5931.9	5929.1	5929.1	5940.4	5963.1	5977.2	5991.4	5977.2	5994.2
7.5°	5909.3	5934.8	5946.1	5957.4	5985.7	6028.2	6062.2	6093.3	6076.3	6096.1
10°	6053.7	6073.5	6084.8	6084.8	6104.6	6152.8	6186.8	6243.4	6229.2	6260.4
12.5°	6317.0	6336.8	6336.8	6325.5	6339.7	6370.8	6382.1	6444.4	6418.9	6469.9
15°	6639.8	6679.4	6648.3	6628.5	6634.1	6665.3	6662.4	6710.6	6685.1	6727.6
17.5°	6996.6	7047.5	6996.6	6993.7	6982.4	7016.4	7019.2	7061.7	7016.4	7047.5
20°	7418.4	7489.2	7446.8	7460.9	7435.4	7449.6	7463.7	7526.0	7455.2	7477.9
22.5°	8013.0	8098.0	8052.7	8106.5	8089.5	8078.2	8075.3	8185.8	8075.3	8083.8
25°	8879.5	8981.4	8902.1	8975.7	8975.7	9012.6	9055.0	9196.6	9012.6	8958.8
27.5°	10159.3	10261.2	10105.5	10150.8	10136.6	10227.3	10182.0	10533.1	10334.8	10247.1
30°	11699.6	11880.8	11586.4	11575.0	11560.9	11705.3	11770.4	12002.6	11801.5	11713.8
32.5°	13364.5	13554.2	13203.1	13101.2	13047.4	13135.2	13081.4	13268.2	13129.5	12993.6
35°	15125.7	15312.6	14978.5	14780.3	14565.1	14381.0	14188.5	14236.6	14106.4	13899.7
37.5°	16790.6	17133.2	16779.3	16566.9	16170.5	15810.9	15272.9	15049.2	14927.5	14737.8
40°	18486.6	18682.0	18413.0	18231.8	17801.4	17238.0	16377.2	15904.3	15740.1	15556.1
42.5°	19735.3	19922.2	19777.8	19653.2	19316.3	18662.2	17549.4	16957.6	16719.8	16513.1
45°	20726.3	20865.1	20774.5	20819.8	20675.4	20041.1	18764.1	18087.4	17841.1	17589.1
47.5°	21125.6	21272.8	21417.2	21686.2	21932.5	21465.3	20069.4	19310.6	19050.1	18792.4
50°	21080.3	21230.3	21649.4	22221.3	22985.8	22830.1	21445.5	20613.1	20372.4	20077.9
52.5°	20717.8	20887.7	21425.7	22377.1	23594.6	23852.3	22847.1	21958.0	21731.5	21380.4
55°	19766.5	19868.4	20675.4	22023.1	23739.0	24565.8	24220.4	23390.7	23164.2	22674.4
57.5°	18002.5	18149.7	19324.8	21068.9	23376.6	25050.0	25426.6	24897.1	24679.1	23974.0
60°	15700.5	15935.5	17280.4	19466.3	22453.5	25047.1	26522.3	26377.9	26196.7	25253.8
62.5°	13095.5	13367.3	14661.3	17201.2	20839.6	24336.4	27207.6	27618.1	27524.7	26434.6
65°	10057.4	10244.2	11532.6	14270.6	18328.1	22810.3	27286.8	28464.7	28481.7	27332.1
67.5°	6696.4	7234.4	8352.8	10708.6	14964.3	20315.8	26590.3	28603.5	28767.7	27640.8
70°	3267.5	3975.4	5071.2	6959.7	10708.6	16490.5	24769.7	27465.2	27830.5	26740.4
72.5°	1356.3	1585.6	2183.1	3434.6	6147.1	11127.7	21111.4	24378.9	25055.6	23693.7
75°	914.6	991.0	1248.7	1761.2	2800.3	5487.4	15224.8	18178.0	19268.1	17894.9
77.5°	705.0	753.2	908.9	1231.7	1664.9	2075.5	8149.0	10954.9	11518.4	10663.3
80°	555.0	591.8	679.6	897.6	1180.7	1109.9	2777.7	4963.6	5289.2	4436.9
82.5°	481.3	495.5	487.0	608.8	784.3	648.4	911.7	1832.0	2021.7	1466.7
85°	348.3	387.9	404.9	376.6	416.2	328.5	373.8	648.4	713.5	637.1
87.5°	141.6	209.5	257.7	243.5	152.9	93.4	116.1	189.7	218.0	237.8
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°
5977.2	0°	5977.2	5977.2	5977.2	5977.2	5977.2	5977.2	5977.2	5977.2	5977.2	5977.2
5980.1	2.5°	5982.9	6002.7	6016.9	6033.9	6045.2	6062.2	6096.1	6116.0	6118.8	6133.0
6025.4	5°	6036.7	6065.0	6096.1	6141.4	6192.4	6234.9	6300.0	6345.3	6362.3	6376.5
6135.8	7.5°	6152.8	6192.4	6249.0	6328.3	6401.9	6458.6	6537.9	6591.7	6645.4	6665.3
6311.3	10°	6325.5	6382.1	6464.2	6571.8	6651.1	6724.7	6806.8	6852.1	6905.9	6928.6
6520.9	12.5°	6540.7	6600.1	6707.7	6857.8	6931.4	6982.4	7010.7	6999.4	7010.7	7030.5
6772.9	15°	6787.0	6852.1	6973.9	7135.3	7186.3	7141.0	7078.7	7022.0	7013.5	7019.2
7078.7	17.5°	7078.7	7126.8	7268.4	7404.3	7367.5	7180.6	7044.7	6954.1	6908.8	6894.6
7469.4	20°	7486.4	7486.4	7602.5	7687.4	7441.1	7124.0	6911.6	6764.4	6670.9	6631.3
8001.7	22.5°	7981.9	7936.6	8010.2	7950.8	7426.9	6965.4	6670.9	6416.1	6274.5	6217.9
8746.4	25°	8610.5	8556.7	8536.9	8168.8	7325.0	6713.4	6234.9	5926.3	5801.7	5770.5
9819.5	27.5°	9559.0	9423.1	9165.5	8287.7	7138.1	6317.0	5725.2	5439.2	5368.5	5371.3
11198.4	30°	10821.9	10550.0	9918.6	8307.5	6832.3	5756.4	5204.2	5000.4	4966.4	4980.5
12356.5	32.5°	11991.3	11733.6	10688.8	8216.9	6362.3	5207.1	4737.0	4601.1	4550.2	4567.2
13239.9	35°	12908.7	12837.9	11402.3	8089.5	5784.7	4691.7	4318.0	4201.9	4102.8	4080.1
14072.4	37.5°	13775.1	13746.8	11937.5	7911.1	5212.7	4326.5	3981.0	3828.1	3683.7	3604.5
14992.6	40°	14726.5	14698.1	12288.6	7636.5	4705.9	4009.4	3678.1	3477.0	3298.7	3154.3
16034.6	42.5°	15796.7	15629.7	12455.6	7242.9	4275.5	3740.4	3431.7	3159.9	2924.9	2791.8
17212.5	45°	16966.1	16589.6	12452.8	6741.7	3913.1	3494.0	3168.4	2783.3	2565.3	2440.7
18421.5	47.5°	18206.3	17507.0	12299.9	6186.8	3562.0	3222.2	2760.7	2466.2	2321.8	2245.4
19735.3	50°	19486.1	18364.9	12039.4	5549.7	3202.4	2913.6	2505.8	2304.8	2194.4	2123.6
21037.8	52.5°	20689.5	19143.5	11725.1	4827.6	2837.1	2613.4	2392.6	2236.9	2120.8	2041.5
22300.6	55°	21807.9	19814.6	11280.6	4088.6	2539.8	2412.4	2338.8	2208.5	2075.5	1982.0
23583.3	57.5°	22801.8	20250.6	10513.2	3394.9	2327.5	2273.7	2282.2	2160.4	2007.5	1928.2
24846.1	60°	23628.6	20570.6	9377.8	2752.2	2154.7	2137.8	2194.4	2069.8	1891.4	1800.8
25913.6	62.5°	24124.1	20564.9	7984.7	2253.8	2007.5	2013.2	2078.3	1956.5	1775.3	1690.4
26471.4	65°	24081.6	20060.9	6455.7	1928.2	1865.9	1871.6	1956.5	1832.0	1679.1	1628.1
26191.1	67.5°	23229.3	18832.1	4952.2	1715.9	1710.2	1735.7	1834.8	1747.0	1619.6	1613.9
24520.5	70°	20921.7	16280.9	3567.6	1546.0	1548.8	1585.6	1715.9	1693.2	1588.5	1599.8
20615.9	72.5°	16776.4	12413.1	2395.4	1367.6	1370.4	1429.9	1602.6	1650.7	1557.3	1707.4
14627.4	75°	11173.0	7741.2	1540.3	1177.9	1180.7	1257.2	1503.5	1568.6	1472.4	1701.7
7611.0	77.5°	5368.5	3479.9	1115.6	991.0	991.0	1061.8	1299.6	1404.4	1254.3	1322.3
2446.4	80°	1854.6	1308.1	877.8	798.5	781.5	829.6	1095.8	1217.5	1081.6	996.7
798.5	82.5°	730.5	679.6	705.0	620.1	563.5	594.6	852.3	1005.2	795.6	719.2
450.2	85°	419.1	441.7	498.3	410.6	325.6	365.3	625.8	722.0	600.3	529.5
147.2	87.5°	113.3	155.7	229.3	212.4	147.2	155.7	297.3	399.2	345.4	266.2
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°
5977.2
6130.1
6373.6
6668.1
6939.9
7036.2
7039.0
6914.4
6622.8
6209.4
5776.2
5379.8
5028.7
4589.8
4097.1
3607.3
3168.4
2800.3
2435.1
2228.4
2098.1
2007.5
1945.2
1877.3
1761.2
1664.9
1625.3
1622.4
1596.9
1730.0
1715.9
1211.9
934.4
716.4
540.8
274.7
0.0

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