

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: P849463

Luminaire Tested: **GLAN-SB6C-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849463
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-SB6C-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44176 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

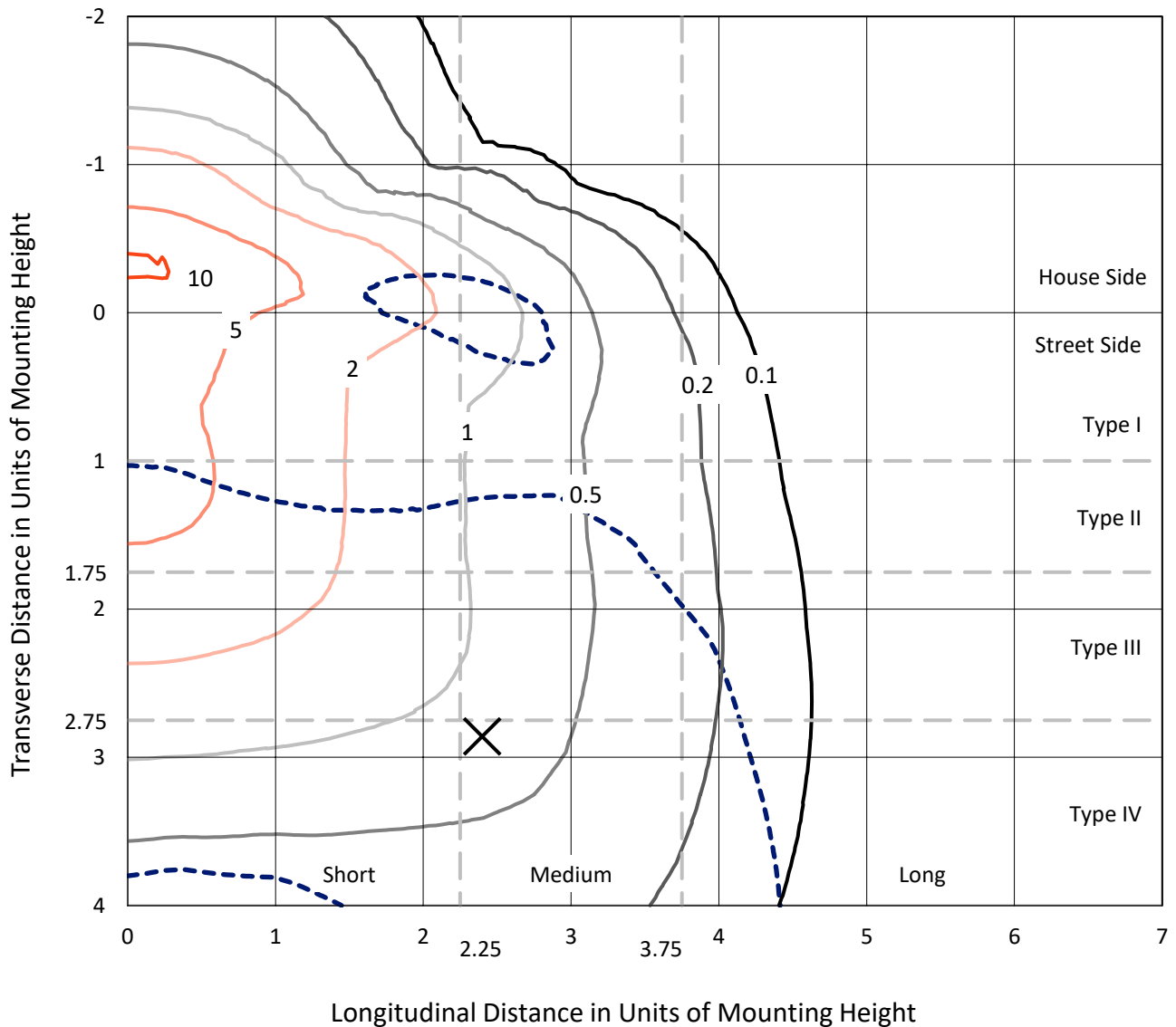
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

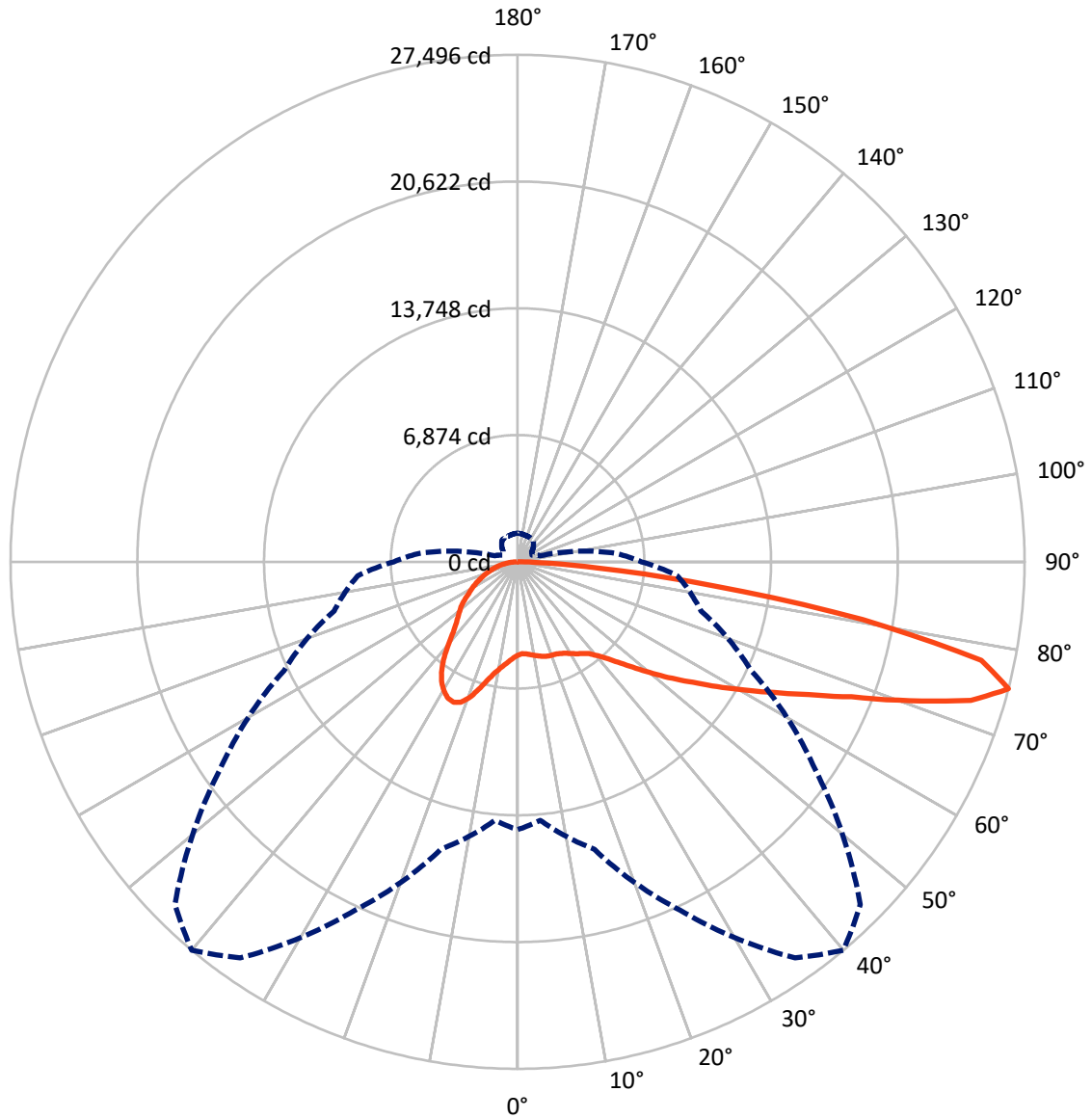
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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
House Side	Lumens	13687.2	0.0	13687.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	30488.8	0.0	30488.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	44176.0	0.0	44176.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.3	1.1
10°-20°	1693.0	3.8
20°-30°	3091.2	7.0
30°-40°	4384.2	9.9
40°-50°	5920.0	13.4
50°-60°	7964.0	18.0
60°-70°	10108.2	22.9
70°-80°	9173.8	20.8
80°-90°	1337.2	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°	44176.0	100.0
0°-180°	44176.0	100.0

Coefficient of Utilization

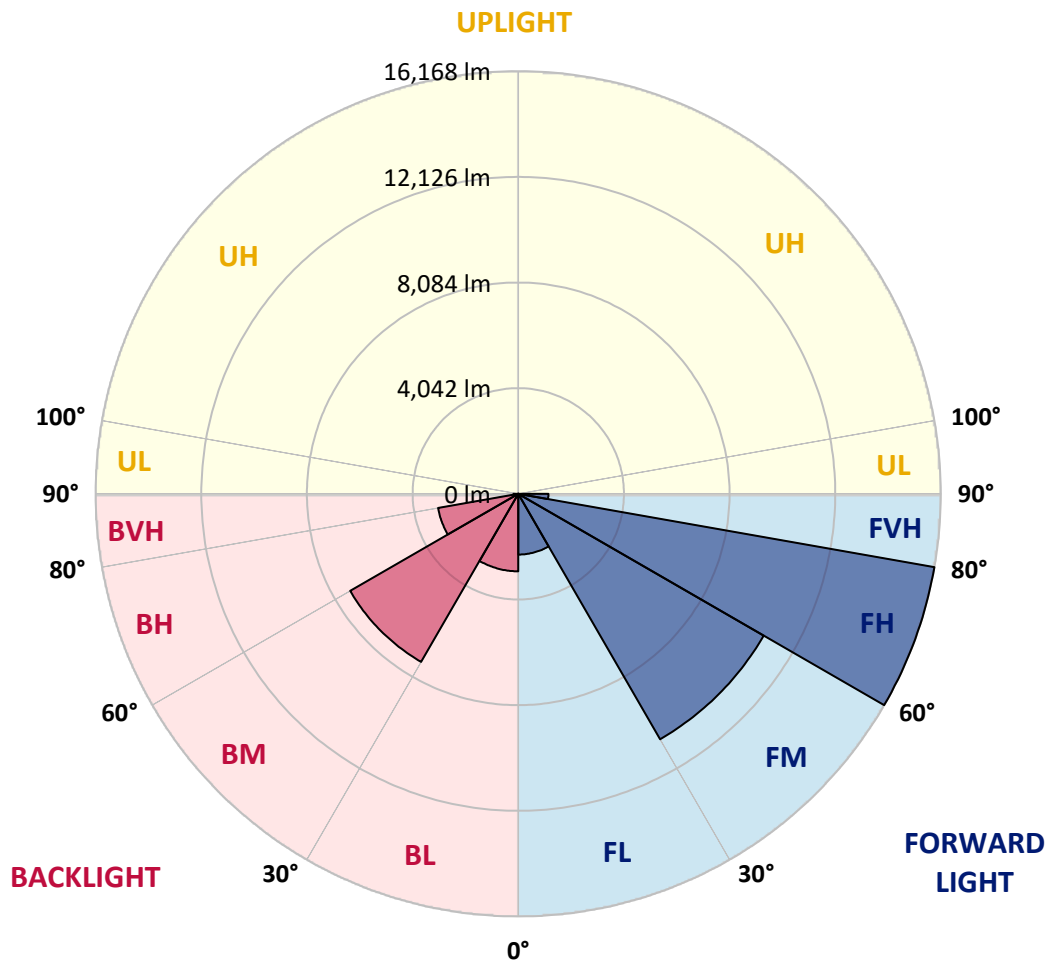


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2323.7	5.3			
FM (30°-60°)	10844.2	24.5			
FH (60°-80°)	16167.7	36.6			G5
FVH (80°-90°)	1153.1	2.6			G5
BL (0°-30°)	2964.8	6.7	B4/5000		
BM (30°-60°)	7424.1	16.8	B4/8500		
BH (60°-80°)	3114.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	184.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5051.6	5051.6	5051.6	5051.6	5051.6	5051.6	5051.6	5051.6	5051.6	5051.6
2.5°	4974.3	5002.4	4995.4	4986.0	4986.0	4988.3	4986.0	5002.4	5018.8	5035.2
5°	5025.8	5053.9	5039.9	5028.2	5018.8	5016.4	5009.4	5007.1	5016.4	5037.5
7.5°	5126.6	5154.7	5133.6	5112.5	5093.8	5084.4	5075.0	5061.0	5053.9	5065.6
10°	5239.0	5267.1	5241.4	5203.9	5173.4	5161.7	5152.3	5138.3	5128.9	5135.9
12.5°	5351.5	5379.6	5344.5	5292.9	5253.1	5246.1	5234.3	5229.7	5227.3	5225.0
15°	5456.9	5480.4	5435.8	5374.9	5332.7	5321.0	5309.3	5316.3	5328.1	5342.1
17.5°	5538.9	5562.4	5496.8	5417.1	5377.3	5372.6	5365.6	5389.0	5421.8	5456.9
20°	5613.9	5637.3	5553.0	5445.2	5398.4	5398.4	5400.7	5449.9	5496.8	5548.3
22.5°	5719.3	5738.1	5635.0	5487.4	5419.4	5424.1	5442.9	5492.1	5550.7	5620.9
25°	5876.3	5890.4	5763.9	5567.1	5489.7	5503.8	5520.2	5543.6	5599.9	5681.9
27.5°	6129.4	6141.1	5974.7	5707.6	5590.5	5613.9	5637.3	5620.9	5646.7	5717.0
30°	6485.5	6492.6	6281.7	5927.9	5761.5	5773.2	5777.9	5710.0	5660.8	5717.0
32.5°	6907.3	6904.9	6654.2	6195.0	5956.0	5944.3	5904.4	5770.9	5656.1	5705.3
35°	7561.0	7535.2	7211.9	6569.9	6176.2	6103.6	6009.9	5838.8	5679.5	5693.6
37.5°	8643.5	8563.8	8116.3	7183.7	6504.3	6319.2	6180.9	5949.0	5731.1	5688.9
40°	9864.2	9763.4	9271.4	8024.9	6996.3	6698.7	6476.2	6106.0	5815.4	5710.0
42.5°	11312.2	11169.3	10639.7	9016.0	7619.6	7188.4	6853.4	6305.1	5939.6	5777.9
45°	13090.5	12900.8	12151.0	10133.6	8404.5	7830.4	7382.9	6607.4	6129.4	5909.1
47.5°	14887.6	14934.5	13868.4	11412.9	9346.4	8622.4	8046.0	7061.9	6405.9	6120.0
50°	16797.2	16830.0	15576.5	12830.5	10414.8	9517.4	8791.1	7570.3	6790.1	6419.9
52.5°	18287.4	18292.1	17127.6	14313.6	11527.7	10501.5	9594.7	8151.4	7235.3	6818.2
55°	19219.9	19208.2	18214.8	15717.1	12807.0	11534.8	10485.1	8812.2	7778.9	7286.8
57.5°	19897.1	19861.9	18964.5	16923.7	14170.7	12755.5	11492.6	9561.9	8420.9	7844.5
60°	20154.8	20133.7	19473.0	17966.4	15604.6	14105.1	12654.7	10400.7	9149.6	8502.9
62.5°	20253.2	20293.0	19972.0	18976.2	17139.3	15599.9	13931.7	11403.6	9969.6	9248.0
65°	20600.0	20672.6	20607.0	20297.7	18873.2	17350.2	15625.7	12596.2	10864.7	10046.9
67.5°	21286.5	21359.1	21387.2	21879.3	20991.3	19531.5	17739.1	14081.6	11912.0	10876.4
70°	21270.1	21249.0	21745.7	23137.5	23643.6	22551.7	20588.3	15909.2	13160.8	11565.2
72.5°	19360.5	19191.8	20365.7	23123.4	25850.7	25705.4	24067.7	18266.3	14238.6	11649.6
75°	14524.5	14074.6	16148.2	20839.0	26218.6	27495.5	26279.5	19728.4	13983.2	10293.0
77.5°	6211.4	5759.2	8203.0	15426.5	23465.5	25703.1	24250.4	17211.9	11162.2	6806.5
80°	1626.1	1623.7	2478.9	6994.0	15958.4	18980.9	16652.0	11115.4	6377.7	2432.1
82.5°	672.5	656.0	911.4	2720.3	7797.6	10651.4	8692.7	4957.9	2303.2	658.4
85°	250.7	248.4	442.8	939.6	2750.7	4393.2	3179.5	1267.6	574.0	321.0
87.5°	70.3	67.9	96.1	325.7	670.1	1016.9	543.6	208.5	161.7	126.5
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°
5051.6	0°	5051.6	5051.6	5051.6	5051.6	5051.6	5051.6	5051.6	5051.6	5051.6	5051.6
5061.0	2.5°	5068.0	5079.7	5100.8	5117.2	5138.3	5161.7	5194.5	5215.6	5236.7	5250.7
5072.7	5°	5089.1	5114.8	5168.7	5222.6	5285.9	5344.5	5412.4	5461.6	5501.4	5513.2
5114.8	7.5°	5135.9	5178.1	5269.5	5360.9	5461.6	5557.7	5656.1	5740.4	5808.4	5834.2
5189.8	10°	5217.9	5274.2	5403.0	5531.9	5665.5	5813.1	5939.6	6061.4	6157.5	6197.3
5278.9	12.5°	5321.0	5391.3	5560.0	5738.1	5923.2	6127.0	6291.1	6441.0	6560.5	6614.4
5403.0	15°	5454.6	5546.0	5761.5	6000.5	6272.3	6555.8	6764.3	6930.7	7064.3	7129.9
5531.9	17.5°	5599.9	5721.7	5993.5	6354.3	6743.3	7115.8	7359.5	7481.3	7619.6	7682.8
5651.4	20°	5740.4	5890.4	6279.3	6804.2	7322.0	7718.0	7914.8	7947.6	7956.9	7964.0
5763.9	22.5°	5885.7	6087.2	6637.8	7371.2	7926.5	8200.6	8228.7	8088.2	7891.3	7800.0
5874.0	25°	6045.0	6312.1	7106.4	7996.8	8446.6	8479.4	8263.9	7921.8	7549.3	7378.2
5963.0	27.5°	6199.7	6572.2	7668.8	8594.3	8821.5	8533.3	8069.4	7584.4	7134.5	6954.1
6026.3	30°	6354.3	6869.8	8289.7	9116.8	8992.6	8399.8	7762.5	7221.2	6769.0	6579.2
6082.5	32.5°	6511.3	7216.5	9004.3	9494.0	8962.1	8116.3	7380.6	6813.5	6415.2	6216.1
6131.7	35°	6689.4	7643.0	9681.4	9700.2	8758.3	7699.2	6876.8	6326.2	5979.4	5820.1
6190.3	37.5°	6921.3	8184.2	10278.9	9751.7	8402.1	7087.7	6251.2	5749.8	5464.0	5391.3
6277.0	40°	7209.5	8835.6	10735.8	9669.7	7874.9	6344.9	5567.1	5166.4	5004.7	5021.1
6394.1	42.5°	7584.4	9564.3	11056.8	9458.8	7141.6	5578.8	4967.2	4789.2	4866.5	4932.1
6569.9	45°	8071.8	10321.1	11255.9	9100.3	6312.1	4929.7	4613.4	4655.6	4714.2	4721.2
6853.4	47.5°	8695.0	11087.2	11387.2	8559.1	5466.3	4472.9	4388.5	4397.9	4386.2	4337.0
7277.5	50°	9472.9	11832.3	11504.3	7842.1	4747.0	4187.0	4074.5	4041.7	3880.1	3720.7
7842.1	52.5°	10358.6	12516.5	11553.5	6951.8	4187.0	3948.0	3765.3	3559.1	3256.8	3207.6
8552.1	55°	11342.6	13149.1	11427.0	5857.6	3716.1	3641.1	3364.6	3116.2	3083.4	3041.3
9487.0	57.5°	12518.8	13830.9	11169.3	4636.9	3233.4	3282.6	3013.1	3041.3	2982.7	2917.1
10688.9	60°	13805.2	14536.2	10717.0	3523.9	2734.3	2835.1	2921.8	2919.4	2903.0	2849.1
11956.5	62.5°	14962.6	15000.1	9826.7	2699.2	2296.2	2488.3	2725.0	2722.6	2708.5	2678.1
13280.3	65°	15651.5	14929.8	8341.2	2125.1	1935.3	2202.5	2457.8	2476.6	2478.9	2476.6
14276.1	67.5°	15529.6	14107.4	6302.8	1691.7	1637.8	1911.9	2193.1	2218.9	2237.6	2242.3
14402.6	70°	14151.9	12300.9	4109.7	1349.6	1373.0	1656.5	1942.4	1968.1	1984.6	2003.3
12497.8	72.5°	11031.0	9044.1	2352.4	1091.9	1141.1	1436.3	1694.0	1724.5	1733.8	1769.0
8697.3	75°	6722.2	5318.7	1269.9	859.9	937.2	1227.8	1448.0	1483.1	1499.5	1541.7
4271.4	77.5°	3195.9	2303.2	724.0	670.1	754.5	1002.8	1223.1	1262.9	1218.4	1241.8
1178.5	80°	1080.1	855.2	456.9	510.8	576.4	782.6	979.4	1019.2	925.5	920.8
391.3	82.5°	377.2	346.8	290.5	339.7	372.5	560.0	740.4	791.9	688.9	686.5
175.7	85°	147.6	140.6	161.7	185.1	222.6	344.4	487.4	513.1	424.1	342.1
51.5	87.5°	30.5	32.8	39.8	42.2	67.9	119.5	175.7	215.6	171.0	145.3
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°
5051.6
5241.4
5517.8
5836.5
6199.7
6614.4
7125.2
7680.5
7982.7
7825.7
7404.0
6975.2
6600.3
6241.8
5855.2
5442.9
5077.4
4993.0
4768.1
4374.4
3741.8
3224.0
3048.3
2905.4
2830.4
2666.4
2476.6
2247.0
2012.7
1783.0
1546.4
1223.1
911.4
653.7
337.4
133.6
0.0

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