

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: McGRAW-EDISON

Report Number: P942677

Luminaire Tested: **GALN-SB6D-750-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-750-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65329 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

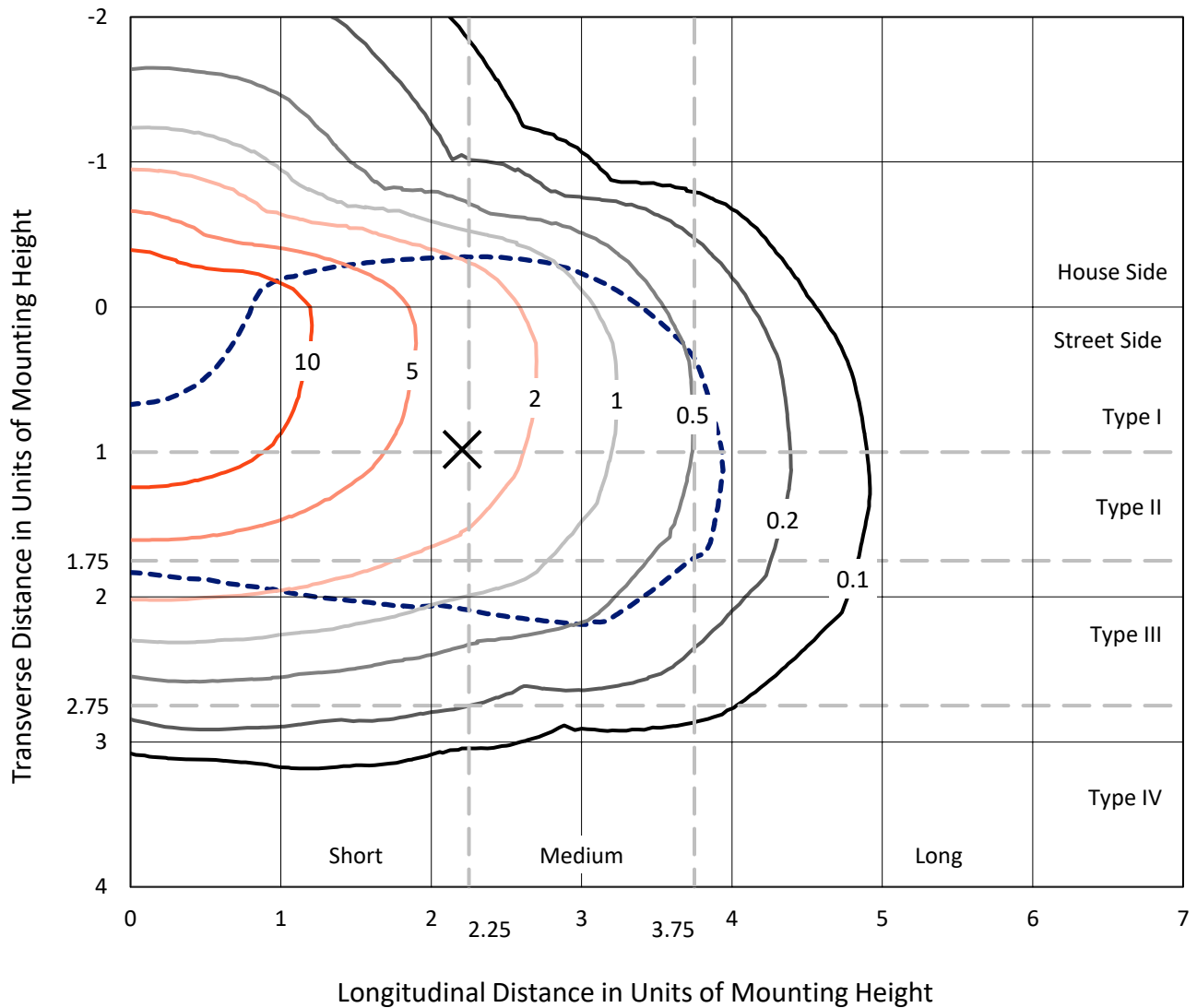
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942677
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Iso-Footcandle Lines of Horizontal Illumination

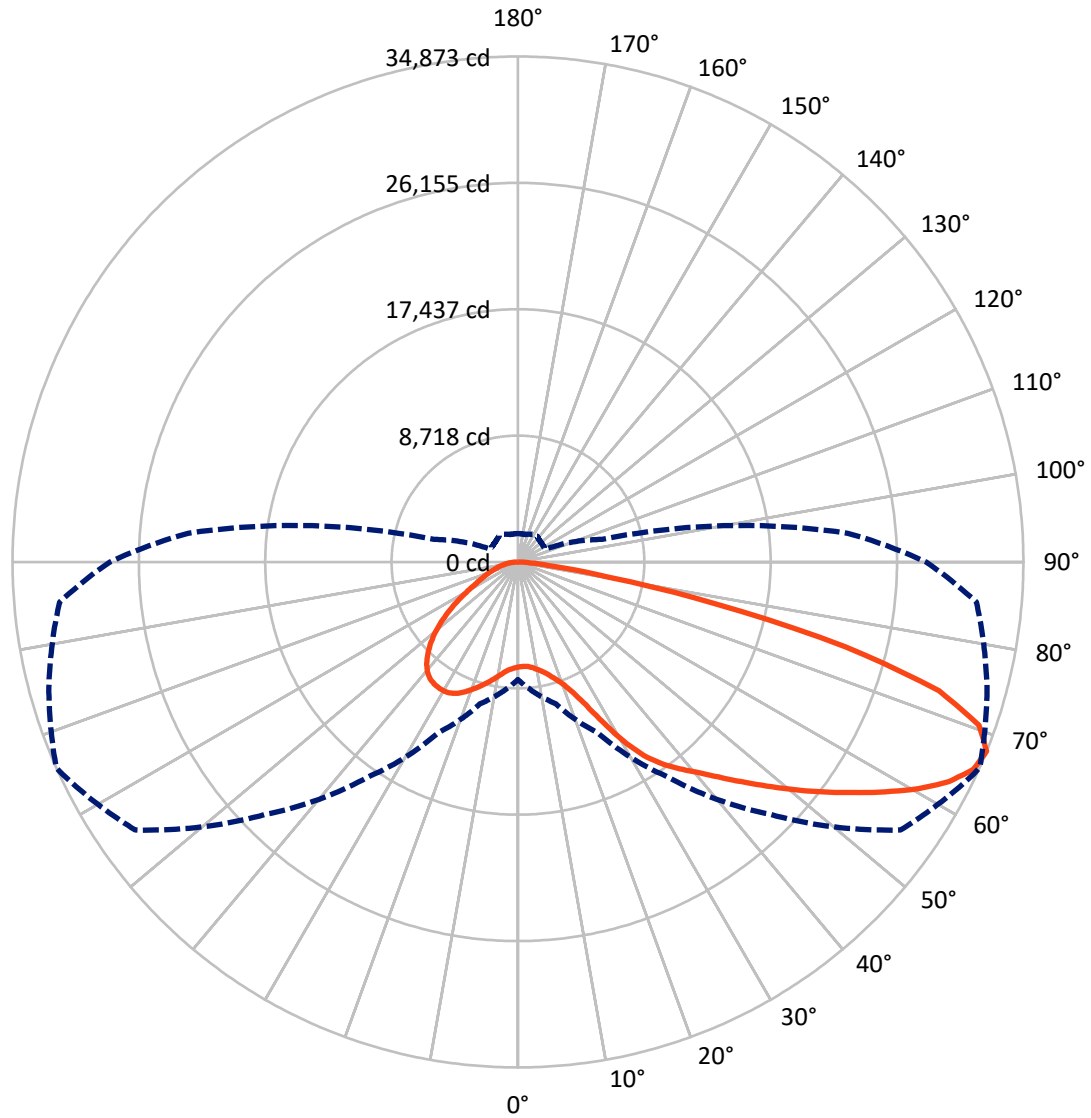
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type III - Short - N/A

REPORT NUMBER: P942677
CATALOG NUMBER: GALN-SB6D-750-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P942677

CATALOG NUMBER: GALN-SB6D-750-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16243.9	0.0	16243.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	49085.1	0.0	49085.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	65329.0	0.0	65329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.4	1.1
10°-20°	2373.5	3.6
20°-30°	4574.8	7.0
30°-40°	8021.3	12.3
40°-50°	11925.0	18.3
50°-60°	15116.1	23.1
60°-70°	14790.7	22.6
70°-80°	7055.3	10.8
80°-90°	754.0	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°	65329.0	100.0
0°-180°	65329.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942677

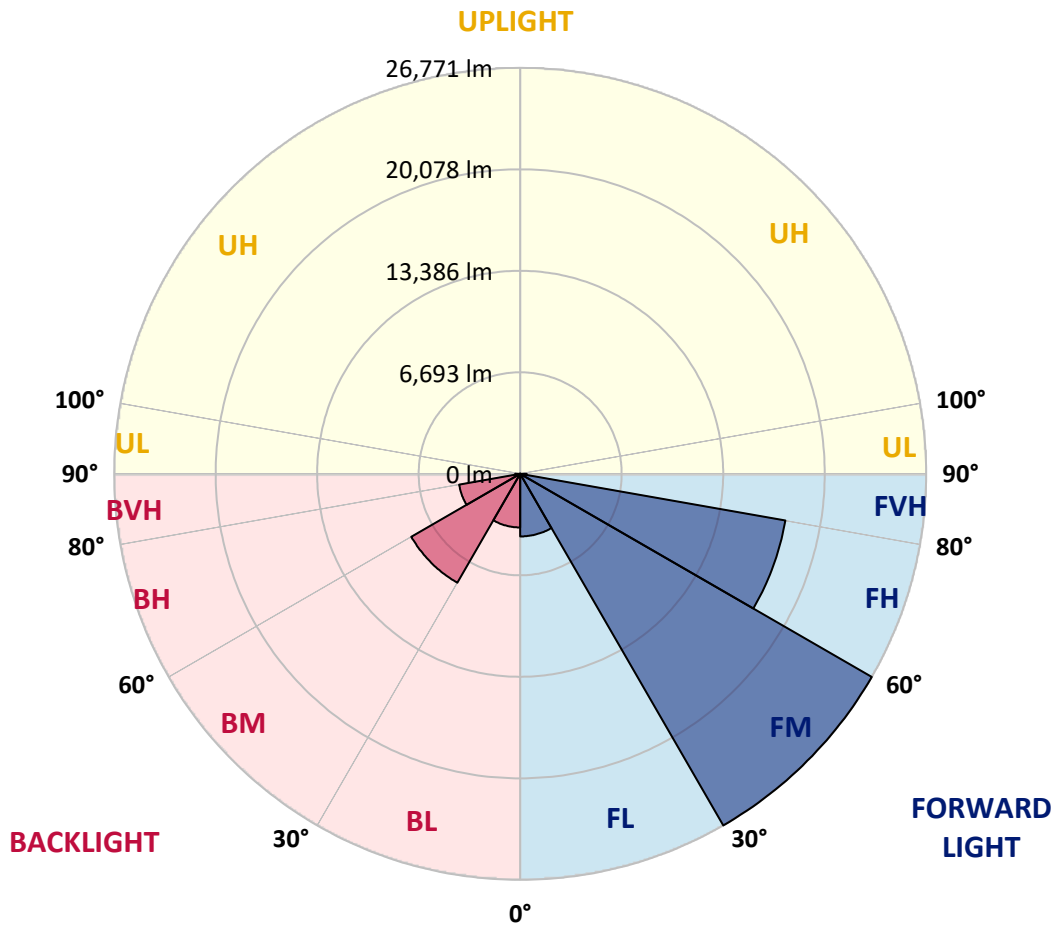
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4128.1	6.3			
FM (30°-60°)	26771.3	41.0			
FH (60°-80°)	17758.2	27.2			G5
FVH (80°-90°)	427.5	0.7			G3/500
BL (0°-30°)	3538.5	5.4	B4/5000		
BM (30°-60°)	8291.1	12.7	B4/8500		
BH (60°-80°)	4087.8	6.3	B4/5000		G4/5000
BVH (80°-90°)	326.5	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short



REPORT NUMBER: P942677

CATALOG NUMBER: GALN-SB6D-750-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	7245.8	7245.8	7245.8	7245.8	7245.8	7245.8	7245.8	7245.8	7245.8	7245.8
2.5°	7170.3	7211.5	7201.2	7184.1	7180.6	7187.5	7197.8	7208.1	7204.7	7221.8
5°	7149.7	7190.9	7187.5	7187.5	7201.2	7228.7	7245.8	7263.0	7245.8	7266.4
7.5°	7163.5	7194.4	7208.1	7221.8	7256.1	7307.6	7348.8	7386.6	7366.0	7390.0
10°	7338.5	7362.6	7376.3	7376.3	7400.3	7458.7	7499.8	7568.5	7551.3	7589.1
12.5°	7657.7	7681.8	7681.8	7668.0	7685.2	7723.0	7736.7	7812.2	7781.3	7843.1
15°	8049.0	8097.1	8059.3	8035.3	8042.2	8079.9	8076.5	8134.8	8104.0	8155.4
17.5°	8481.5	8543.3	8481.5	8478.1	8464.4	8505.5	8509.0	8560.5	8505.5	8543.3
20°	8993.0	9078.8	9027.3	9044.4	9013.5	9030.7	9047.9	9123.4	9037.6	9065.0
22.5°	9713.8	9816.7	9761.8	9827.0	9806.4	9792.7	9789.3	9923.1	9789.3	9799.6
25°	10764.1	10887.7	10791.5	10880.8	10880.8	10925.4	10976.9	11148.5	10925.4	10860.2
27.5°	12315.5	12439.1	12250.3	12305.2	12288.1	12397.9	12343.0	12768.6	12528.4	12421.9
30°	14182.8	14402.5	14045.5	14031.8	14014.6	14189.6	14268.6	14550.1	14306.3	14199.9
32.5°	16201.0	16431.0	16005.4	15881.8	15816.6	15923.0	15857.8	16084.3	15916.2	15751.4
35°	18336.0	18562.6	18157.5	17917.3	17656.4	17433.3	17199.9	17258.2	17100.3	16849.8
37.5°	20354.3	20769.6	20340.6	20083.1	19602.6	19166.7	18514.5	18243.3	18095.7	17865.8
40°	22410.3	22647.1	22321.1	22101.4	21579.7	20896.6	19853.1	19279.9	19080.9	18857.7
42.5°	23924.0	24150.5	23975.5	23824.5	23416.0	22623.1	21274.2	20556.8	20268.5	20017.9
45°	25125.4	25293.5	25183.7	25238.6	25063.6	24294.7	22746.7	21926.3	21627.7	21322.2
47.5°	25609.3	25787.8	25962.9	26288.9	26587.6	26021.2	24329.0	23409.1	23093.4	22781.0
50°	25554.4	25736.3	26244.3	26937.7	27864.4	27675.6	25997.2	24988.1	24696.3	24339.3
52.5°	25115.1	25321.0	25973.2	27126.5	28602.4	28914.7	27696.2	26618.5	26343.9	25918.2
55°	23961.8	24085.3	25063.6	26697.4	28777.5	29779.7	29361.0	28355.3	28080.7	27486.9
57.5°	21823.4	22001.8	23426.3	25540.7	28338.1	30366.7	30823.2	30181.3	29917.0	29062.3
60°	19032.8	19317.7	20948.1	23597.9	27219.1	30363.2	32151.5	31976.5	31756.8	30613.8
62.5°	15875.0	16204.5	17773.1	20852.0	25262.6	29501.7	32982.2	33479.9	33366.6	32045.1
65°	12192.0	12418.5	13980.3	17299.4	22218.1	27651.6	33078.3	34506.2	34526.8	33133.2
67.5°	8117.7	8769.8	10125.7	12981.4	18140.4	24627.7	32233.9	34674.4	34873.4	33507.3
70°	3961.0	4819.1	6147.5	8436.9	12981.4	19990.4	30026.9	33294.5	33737.3	32415.8
72.5°	1644.1	1922.2	2646.4	4163.5	7451.8	13489.4	25592.2	29553.2	30373.5	28722.5
75°	1108.7	1201.3	1513.7	2135.0	3394.7	6652.0	18456.1	22036.2	23357.7	21692.9
77.5°	854.7	913.0	1101.8	1493.1	2018.3	2516.0	9878.5	13280.1	13963.1	12926.5
80°	672.8	717.4	823.8	1088.1	1431.3	1345.5	3367.2	6017.0	6411.8	5378.6
82.5°	583.5	600.7	590.4	738.0	950.8	786.0	1105.2	2220.8	2450.8	1778.0
85°	422.2	470.2	490.8	456.5	504.6	398.2	453.1	786.0	865.0	772.3
87.5°	171.6	254.0	312.4	295.2	185.4	113.3	140.7	230.0	264.3	288.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942677
 CATALOG NUMBER: GALN-SB6D-750-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7245.8	0°	7245.8	7245.8	7245.8	7245.8	7245.8	7245.8	7245.8	7245.8	7245.8	7245.8
7249.3	2.5°	7252.7	7276.7	7293.9	7314.5	7328.2	7348.8	7390.0	7414.0	7417.5	7434.6
7304.2	5°	7317.9	7352.3	7390.0	7444.9	7506.7	7558.2	7637.1	7692.1	7712.7	7729.8
7438.1	7.5°	7458.7	7506.7	7575.4	7671.5	7760.7	7829.4	7925.5	7990.7	8055.9	8079.9
7650.9	10°	7668.0	7736.7	7836.2	7966.7	8062.8	8152.0	8251.6	8306.5	8371.7	8399.1
7904.9	12.5°	7928.9	8001.0	8131.4	8313.3	8402.6	8464.4	8498.7	8485.0	8498.7	8522.7
8210.4	15°	8227.5	8306.5	8454.1	8649.7	8711.5	8656.6	8581.1	8512.4	8502.1	8509.0
8581.1	17.5°	8581.1	8639.4	8811.0	8975.8	8931.2	8704.6	8539.9	8430.0	8375.1	8358.0
9054.7	20°	9075.3	9075.3	9216.1	9319.0	9020.4	8636.0	8378.5	8200.1	8086.8	8038.7
9700.0	22.5°	9676.0	9621.1	9710.3	9638.2	9003.3	8443.8	8086.8	7777.9	7606.3	7537.6
10602.8	25°	10438.0	10372.8	10348.8	9902.5	8879.7	8138.3	7558.2	7184.1	7033.0	6995.3
11903.7	27.5°	11587.9	11423.1	11110.8	10046.7	8653.1	7657.7	6940.4	6593.7	6507.9	6511.3
13575.2	30°	13118.7	12789.2	12023.8	10070.7	8282.4	6978.1	6308.8	6061.7	6020.5	6037.6
14979.1	32.5°	14536.3	14224.0	12957.4	9960.9	7712.7	6312.2	5742.4	5577.7	5515.9	5536.5
16050.0	35°	15648.4	15562.6	13822.4	9806.4	7012.4	5687.5	5234.4	5093.7	4973.6	4946.1
17059.2	37.5°	16698.7	16664.4	14471.1	9590.2	6319.1	5244.7	4826.0	4640.6	4465.6	4369.5
18174.7	40°	17852.0	17817.7	14896.7	9257.3	5704.7	4860.3	4458.7	4215.0	3998.8	3823.7
19437.8	42.5°	19149.5	18947.0	15099.2	8780.1	5183.0	4534.2	4160.1	3830.6	3545.7	3384.4
20865.7	45°	20567.1	20110.6	15095.8	8172.6	4743.6	4235.6	3840.9	3374.1	3109.8	2958.8
22331.4	47.5°	22070.5	21222.7	14910.5	7499.8	4318.0	3906.1	3346.6	2989.6	2814.6	2721.9
23924.0	50°	23621.9	22262.7	14594.7	6727.6	3882.1	3532.0	3037.7	2794.0	2660.1	2574.3
25502.9	52.5°	25080.7	23206.6	14213.7	5852.3	3439.3	3168.1	2900.4	2711.6	2570.9	2474.8
27033.8	55°	26436.5	24020.1	13674.8	4956.4	3078.9	2924.4	2835.2	2677.3	2516.0	2402.7
28588.7	57.5°	27641.3	24548.7	12744.6	4115.5	2821.5	2756.2	2766.5	2618.9	2433.6	2337.5
30119.5	60°	28643.6	24936.6	11368.2	3336.3	2612.1	2591.5	2660.1	2509.1	2292.9	2183.0
31413.6	62.5°	29244.3	24929.7	9679.4	2732.2	2433.6	2440.5	2519.4	2371.8	2152.1	2049.2
32089.7	65°	29192.8	24318.7	7825.9	2337.5	2262.0	2268.8	2371.8	2220.8	2035.4	1973.6
31749.9	67.5°	28159.6	22829.1	6003.3	2080.0	2073.2	2104.1	2224.2	2117.8	1963.3	1956.5
29724.8	70°	25362.2	19736.4	4324.9	1874.1	1877.5	1922.2	2080.0	2052.6	1925.6	1939.3
24991.5	72.5°	20337.1	15047.8	2903.8	1657.9	1661.3	1733.4	1942.8	2001.1	1887.8	2069.8
17731.9	75°	13544.3	9384.3	1867.2	1427.9	1431.3	1524.0	1822.6	1901.6	1784.9	2062.9
9226.4	77.5°	6507.9	4218.5	1352.4	1201.3	1201.3	1287.2	1575.5	1702.5	1520.6	1602.9
2965.6	80°	2248.2	1585.8	1064.1	967.9	947.3	1005.7	1328.3	1475.9	1311.2	1208.2
967.9	82.5°	885.6	823.8	854.7	751.7	683.1	720.8	1033.2	1218.5	964.5	871.8
545.8	85°	508.0	535.5	604.1	497.7	394.7	442.8	758.6	875.3	727.7	641.9
178.5	87.5°	137.3	188.8	278.0	257.4	178.5	188.8	360.4	484.0	418.8	322.6
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°
7245.8
7431.2
7726.4
8083.4
8412.9
8529.6
8533.0
8382.0
8028.4
7527.3
7002.1
6521.6
6096.0
5564.0
4966.7
4372.9
3840.9
3394.7
2951.9
2701.3
2543.4
2433.6
2358.1
2275.7
2135.0
2018.3
1970.2
1966.8
1935.9
2097.2
2080.0
1469.1
1132.7
868.4
655.6
332.9
0.0

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