

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: P952797

Luminaire Tested: **GALN-SB6C-750-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-750-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46958 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

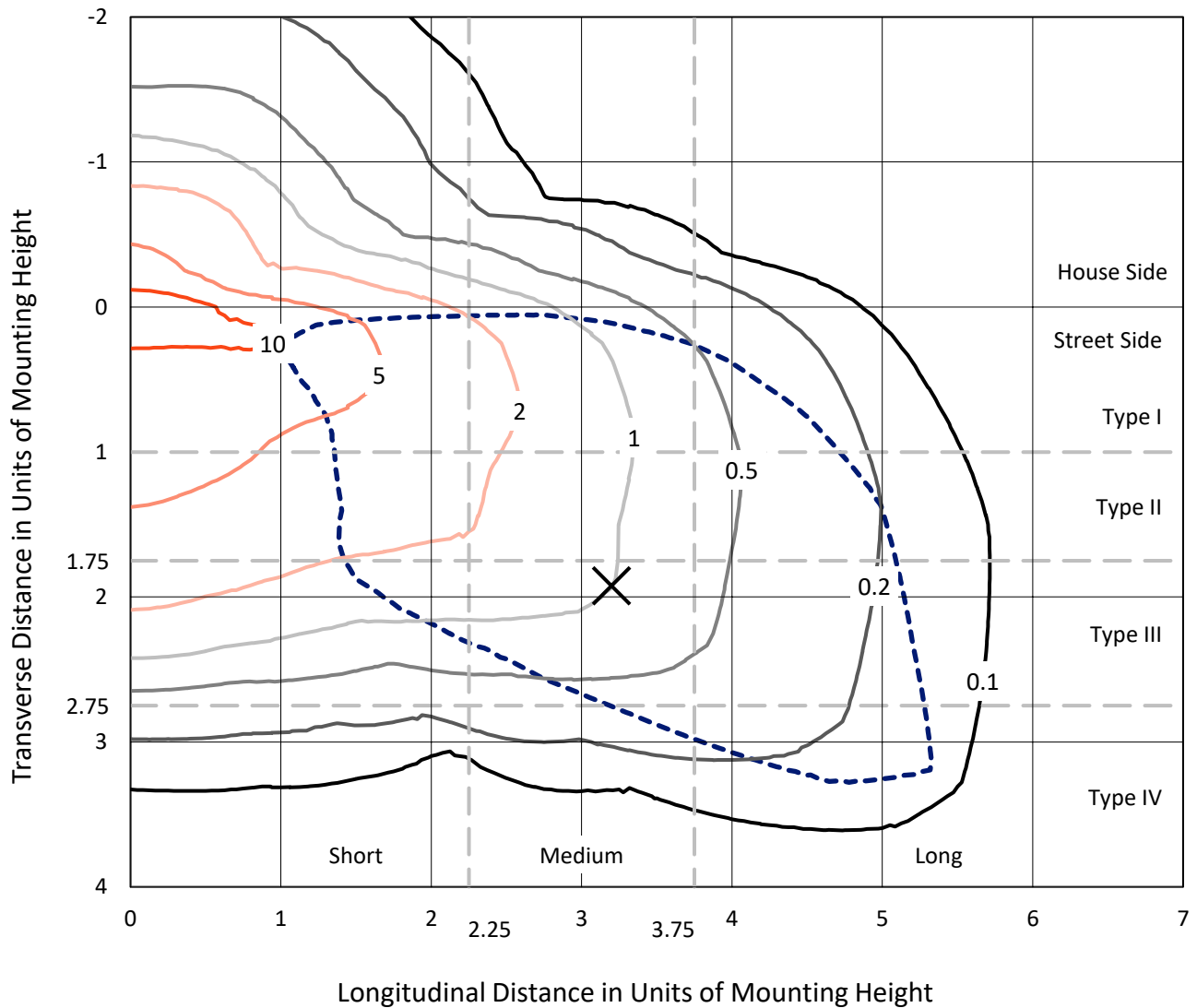
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

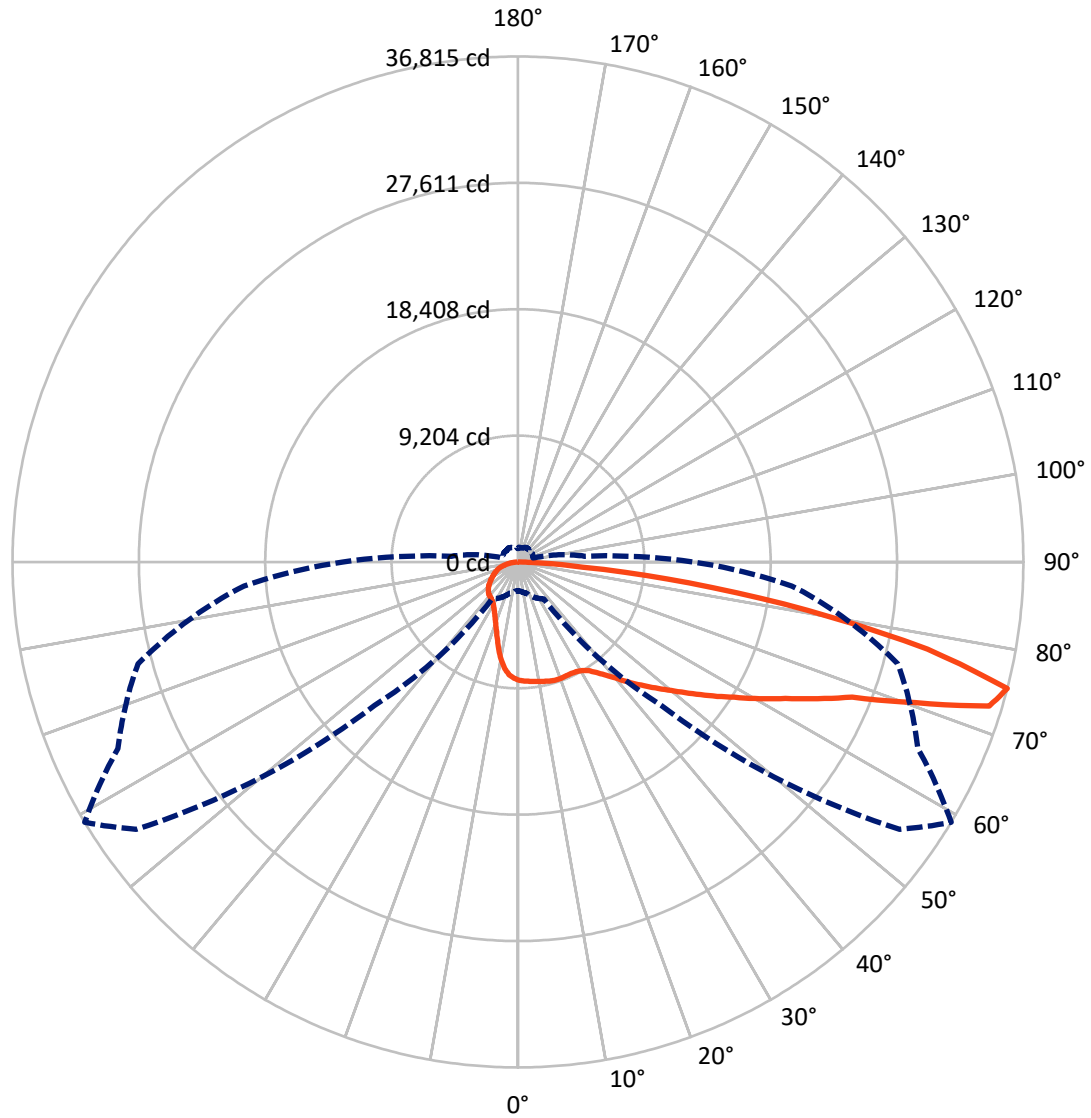
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8807.3	0.0	8807.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	38150.7	0.0	38150.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	46958.0	0.0	46958.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.8	1.6
10°-20°	1975.4	4.2
20°-30°	3000.5	6.4
30°-40°	4460.2	9.5
40°-50°	6633.0	14.1
50°-60°	9003.6	19.2
60°-70°	10991.9	23.4
70°-80°	8626.3	18.4
80°-90°	1494.3	3.2
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°	46958.0	100.0
0°-180°	46958.0	100.0



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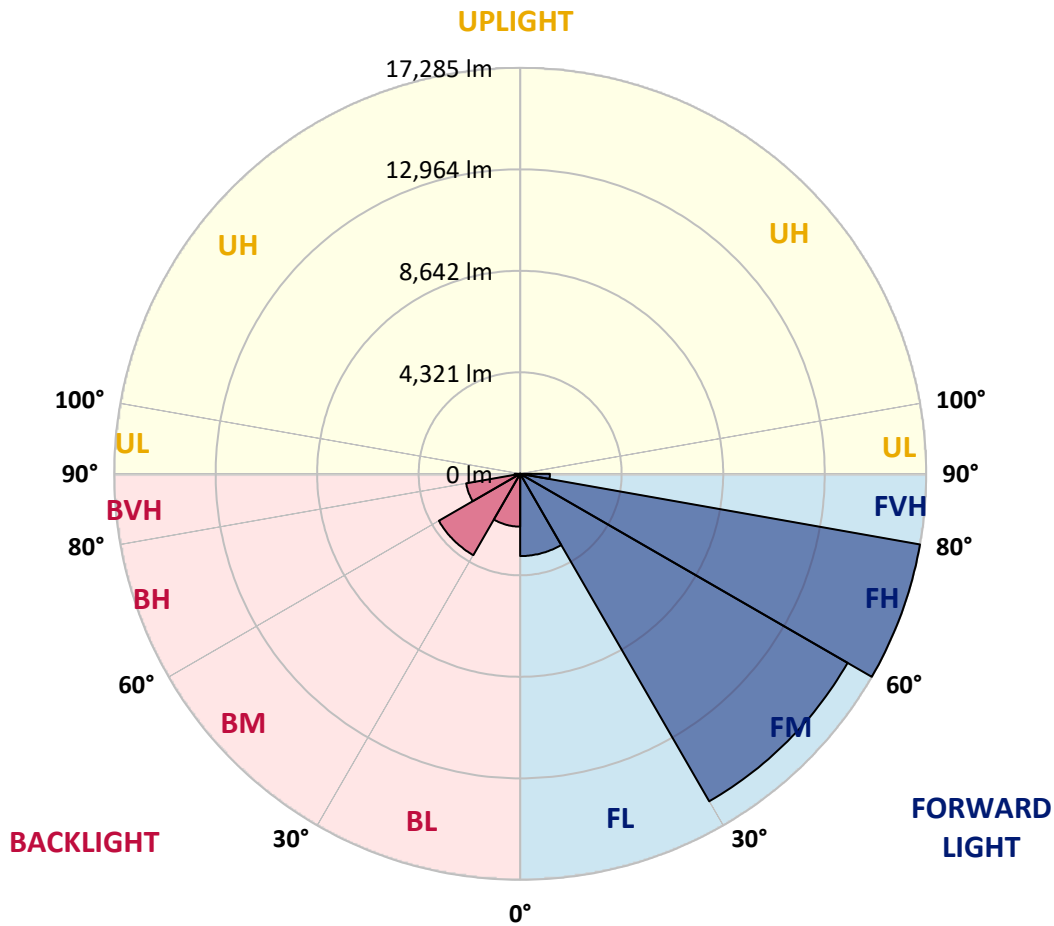
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3501.2	7.5			
FM (30°-60°)	16099.2	34.3			
FH (60°-80°)	17284.8	36.8			G5
FVH (80°-90°)	1265.5	2.7			G5
BL (0°-30°)	2247.5	4.8	B3/2500		
BM (30°-60°)	3997.6	8.5	B3/5000		
BH (60°-80°)	2333.4	5.0	B3/2500		G3/2500
BVH (80°-90°)	228.7	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	8619.0	8619.0	8619.0	8619.0	8619.0	8619.0	8619.0	8619.0	8619.0	8619.0
2.5°	8692.3	8662.0	8692.3	8679.7	8674.6	8664.5	8667.0	8684.7	8674.6	8687.2
5°	8634.2	8616.5	8646.8	8639.2	8672.1	8677.1	8710.0	8730.2	8742.8	8745.3
7.5°	8538.2	8520.5	8563.5	8598.8	8669.6	8689.8	8758.0	8790.8	8808.5	8838.8
10°	8187.1	8179.5	8285.6	8419.5	8586.2	8689.8	8793.3	8848.9	8876.7	8957.5
12.5°	7565.7	7575.8	7714.7	7972.4	8305.8	8639.2	8833.8	8914.6	8957.5	9058.6
15°	6972.0	6969.5	7121.1	7396.4	7863.7	8416.9	8854.0	8992.9	9066.2	9215.2
17.5°	6628.5	6618.4	6724.5	6934.1	7368.6	8075.9	8803.4	9035.8	9192.5	9379.4
20°	6565.3	6545.1	6600.7	6704.3	7012.4	7702.1	8672.1	9035.8	9293.5	9536.0
22.5°	6795.2	6762.4	6739.6	6727.0	6863.4	7393.9	8523.0	9005.5	9442.5	9760.8
25°	7257.5	7206.9	7090.7	6977.1	6936.7	7254.9	8391.7	8998.0	9664.8	10064.0
27.5°	8005.2	7942.0	7707.1	7434.3	7189.3	7325.7	8333.6	9043.4	9909.9	10384.8
30°	8932.3	8864.1	8568.5	8149.2	7709.6	7588.4	8406.8	9177.3	10223.1	10811.7
32.5°	9763.4	9687.6	9435.0	9008.1	8414.4	8043.1	8639.2	9432.4	10715.7	11405.3
35°	10501.0	10412.6	10185.2	9791.1	9278.3	8682.2	9058.6	9884.6	11415.4	12370.3
37.5°	11223.4	11119.9	10872.3	10455.5	10096.8	9533.5	9637.1	10465.6	12345.0	13542.4
40°	12031.8	11882.8	11582.1	11170.4	10821.8	10531.3	10397.4	11178.0	13289.8	14850.9
42.5°	12814.9	12673.4	12314.7	11963.6	11526.6	11443.2	11279.0	12011.6	14323.0	16288.3
45°	13658.6	13489.3	13054.9	12610.3	12334.9	12049.5	12132.8	12845.2	15335.9	17753.4
47.5°	14449.3	14259.8	13747.0	13251.9	13100.3	12559.7	12915.9	13762.2	16389.3	19238.7
50°	14876.2	14689.2	14262.3	13815.2	13696.5	13188.7	13764.7	14770.1	17493.2	20719.0
52.5°	15232.4	15030.3	14472.0	14224.4	14189.1	13873.3	14810.5	15922.0	18597.1	22027.5
55°	15611.3	15386.4	14674.1	14451.8	14613.5	14641.2	16050.8	17228.0	19764.2	23303.2
57.5°	16048.3	15762.8	14868.6	14643.8	15027.7	15540.5	17475.5	18582.0	20911.0	24485.4
60°	16460.0	16172.1	15242.5	14949.4	15474.9	16583.8	19109.9	20221.4	22209.4	25538.8
62.5°	16540.9	16303.4	15540.5	15538.0	16081.1	17801.4	21044.9	21876.0	23343.6	26579.6
65°	15141.4	14992.4	14540.2	15515.3	16950.1	19554.5	23199.7	23992.9	24786.0	27489.0
67.5°	11524.0	11544.3	11511.4	13393.4	16247.8	22073.0	26319.4	26258.8	26566.9	28509.5
70°	5269.4	5388.2	6161.1	9245.5	13017.0	22363.5	31477.7	30692.1	28802.5	29830.7
72.5°	2846.9	2937.8	3253.6	4478.8	7825.8	19882.9	35332.5	35890.8	31775.7	30719.8
75°	2089.1	2139.6	2359.4	2846.9	3286.4	14777.7	33950.7	36815.3	32147.1	28645.9
77.5°	1563.7	1586.4	1765.7	2255.8	1682.4	7790.5	27127.7	30490.0	27519.3	23535.6
80°	1134.2	1159.5	1293.4	1692.5	1179.7	2849.4	18627.4	21401.1	18847.2	15002.5
82.5°	783.1	793.2	851.3	1151.9	823.5	1106.4	10569.2	12549.6	10521.2	5264.4
85°	472.4	485.0	510.3	671.9	467.3	525.4	4562.1	4718.7	3145.0	1258.0
87.5°	194.5	207.1	227.3	282.9	184.4	146.5	752.8	944.8	588.6	368.8
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°
8619.0	0°	8619.0	8619.0	8619.0	8619.0	8619.0	8619.0	8619.0	8619.0	8619.0	8619.0
8644.3	2.5°	8631.7	8614.0	8566.0	8500.3	8439.7	8363.9	8331.1	8303.3	8278.0	8230.0
8712.5	5°	8684.7	8636.7	8507.9	8341.2	8151.7	7944.6	7742.5	7603.5	7484.8	7396.4
8790.8	7.5°	8765.5	8674.6	8439.7	8098.7	7664.2	7219.6	6817.9	6532.5	6317.8	6239.5
8902.0	10°	8848.9	8740.3	8331.1	7729.9	6979.6	6295.0	5762.0	5469.0	5297.2	5241.6
9033.3	12.5°	8947.4	8788.3	8161.8	7217.1	6214.2	5463.9	4999.1	4827.4	4739.0	4708.6
9195.0	15°	9091.4	8828.7	7906.7	6575.4	5484.2	4857.7	4557.1	4438.3	4392.9	4390.4
9361.7	17.5°	9200.0	8836.3	7510.1	5888.3	4923.4	4491.4	4243.8	4198.4	4228.7	4274.2
9525.9	20°	9321.3	8768.1	6989.7	5261.9	4529.3	4170.6	4067.0	4097.3	4170.6	4236.3
9743.1	22.5°	9407.2	8644.3	6360.7	4774.3	4188.3	3986.2	3981.1	4044.3	4084.7	4117.5
9998.3	25°	9483.0	8434.6	5693.8	4365.1	3907.9	3875.0	3930.6	3910.4	3882.6	3910.4
10253.4	27.5°	9538.5	8103.7	5097.7	4006.4	3710.8	3799.2	3766.4	3720.9	3718.4	3733.6
10554.0	30°	9520.9	7661.6	4607.6	3665.4	3571.9	3657.8	3579.5	3571.9	3564.3	3571.9
11006.2	32.5°	9520.9	7159.0	4231.2	3430.4	3483.5	3450.6	3443.1	3425.4	3395.1	3392.5
11620.0	35°	9573.9	6656.3	3907.9	3304.1	3410.2	3331.9	3337.0	3294.0	3230.9	3200.6
12433.4	37.5°	9682.5	6252.1	3587.1	3243.5	3281.4	3278.9	3258.7	3185.4	3074.3	2978.3
13448.9	40°	9945.2	6133.4	3367.3	3215.7	3220.8	3251.1	3198.0	3056.6	2804.0	2647.3
14479.6	42.5°	10357.0	6332.9	3319.3	3147.5	3180.4	3210.7	3107.1	2778.7	2599.4	2505.9
15560.7	45°	10879.9	6681.5	3422.9	3049.0	3084.4	3137.4	2829.2	2672.6	2591.8	2594.3
16631.8	47.5°	11541.7	7047.8	3614.8	2963.1	2945.4	2975.7	2644.8	2548.8	2437.7	2465.5
17659.9	50°	12307.1	7419.1	3796.7	2846.9	2791.3	2692.8	2526.1	2435.2	2293.7	2228.0
18652.7	52.5°	13135.7	7777.8	3870.0	2705.4	2624.6	2510.9	2445.3	2334.1	2162.3	2053.7
19589.9	55°	13921.3	8103.7	3789.1	2536.2	2457.9	2369.5	2359.4	2291.2	2106.8	1955.2
20423.5	57.5°	14664.0	8376.5	3587.1	2364.4	2288.6	2235.6	2303.8	2271.0	2038.6	1844.0
21211.6	60°	15293.0	8563.5	3294.0	2190.1	2137.1	2109.3	2212.9	2202.8	1942.6	1725.3
21918.9	62.5°	15793.1	8636.7	2970.7	2023.4	2010.8	1960.2	2086.6	2086.6	1821.3	1609.1
22540.3	65°	16184.7	8566.0	2642.3	1859.2	1884.5	1808.7	1932.5	1917.3	1692.5	1505.6
23255.2	67.5°	16530.8	8333.6	2278.5	1697.5	1755.6	1659.6	1770.8	1735.4	1551.0	1402.0
23874.1	70°	16684.9	7793.0	1864.3	1535.9	1606.6	1513.1	1609.1	1543.4	1391.9	1290.8
23194.6	72.5°	15447.1	6476.9	1467.7	1366.6	1427.2	1351.5	1434.8	1359.0	1220.1	1174.6
20029.4	75°	12779.5	4860.2	1129.2	1182.2	1227.7	1169.6	1225.2	1169.6	1043.3	1076.1
14795.3	77.5°	9280.9	3281.4	863.9	987.7	1007.9	977.6	1025.6	962.4	848.8	841.2
7373.7	80°	4615.2	1922.4	677.0	780.6	773.0	752.8	808.4	778.0	682.0	722.5
1990.6	82.5°	1336.3	823.5	492.6	548.2	533.0	538.1	578.5	593.6	889.2	881.6
618.9	85°	419.3	323.3	295.6	305.7	290.5	298.1	341.0	677.0	626.5	366.3
192.0	87.5°	108.6	111.1	73.3	78.3	80.8	96.0	108.6	411.8	197.0	128.8
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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<u>180°</u>
8619.0
8207.3
7323.1
6103.0
5155.8
4716.2
4400.5
4291.8
4259.0
4135.2
3928.1
3758.8
3599.7
3425.4
3230.9
3011.1
2667.6
2505.9
2606.9
2536.2
2245.7
2051.2
1955.2
1833.9
1717.7
1601.5
1495.4
1391.9
1270.6
1136.7
982.7
803.3
714.9
901.8
396.6
136.4
0.0

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