

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: P952081

Luminaire Tested: **GALN-SB6A-750-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-750-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28605 lumens
Efficiency: N/A
Efficacy: 167.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

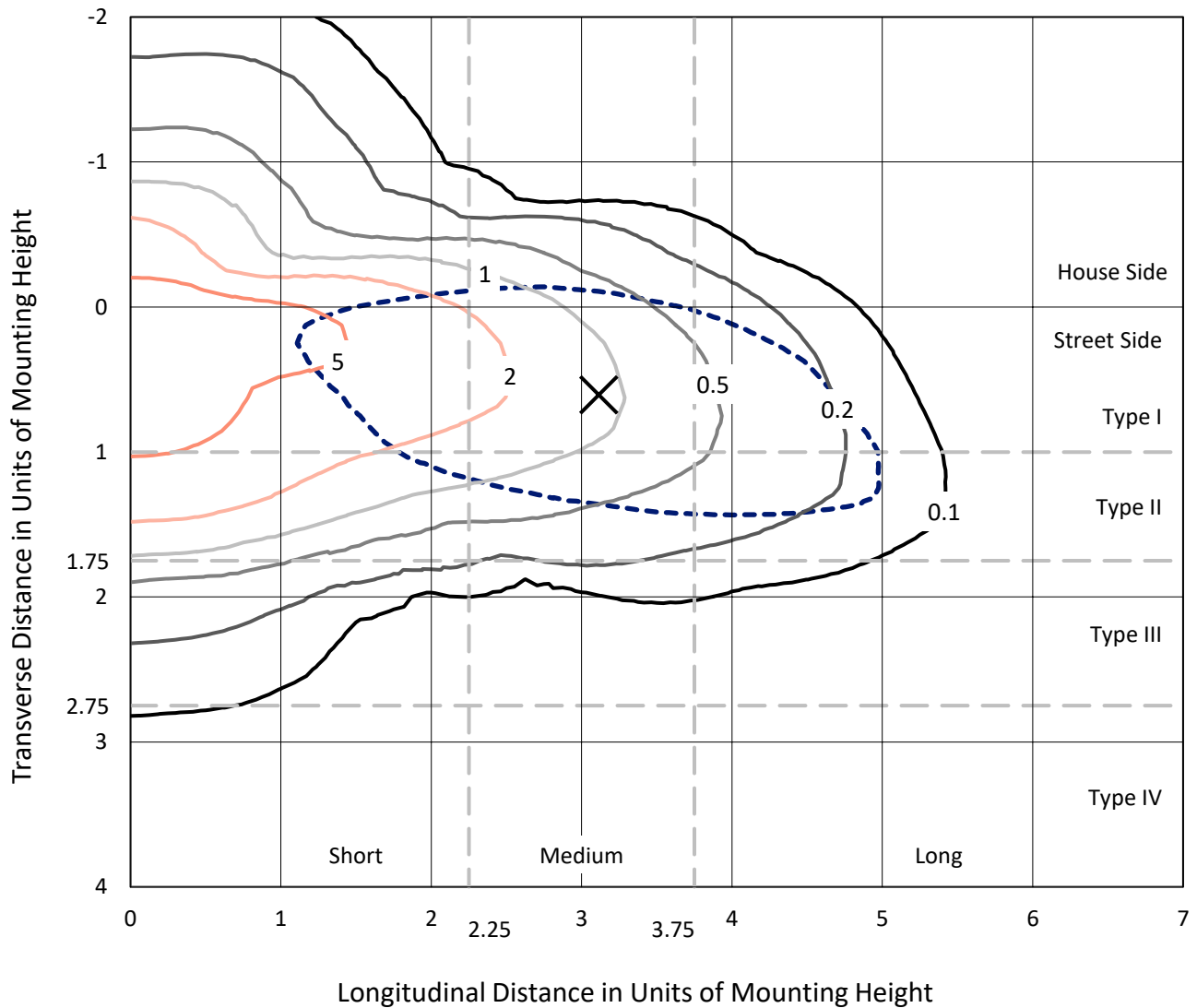
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

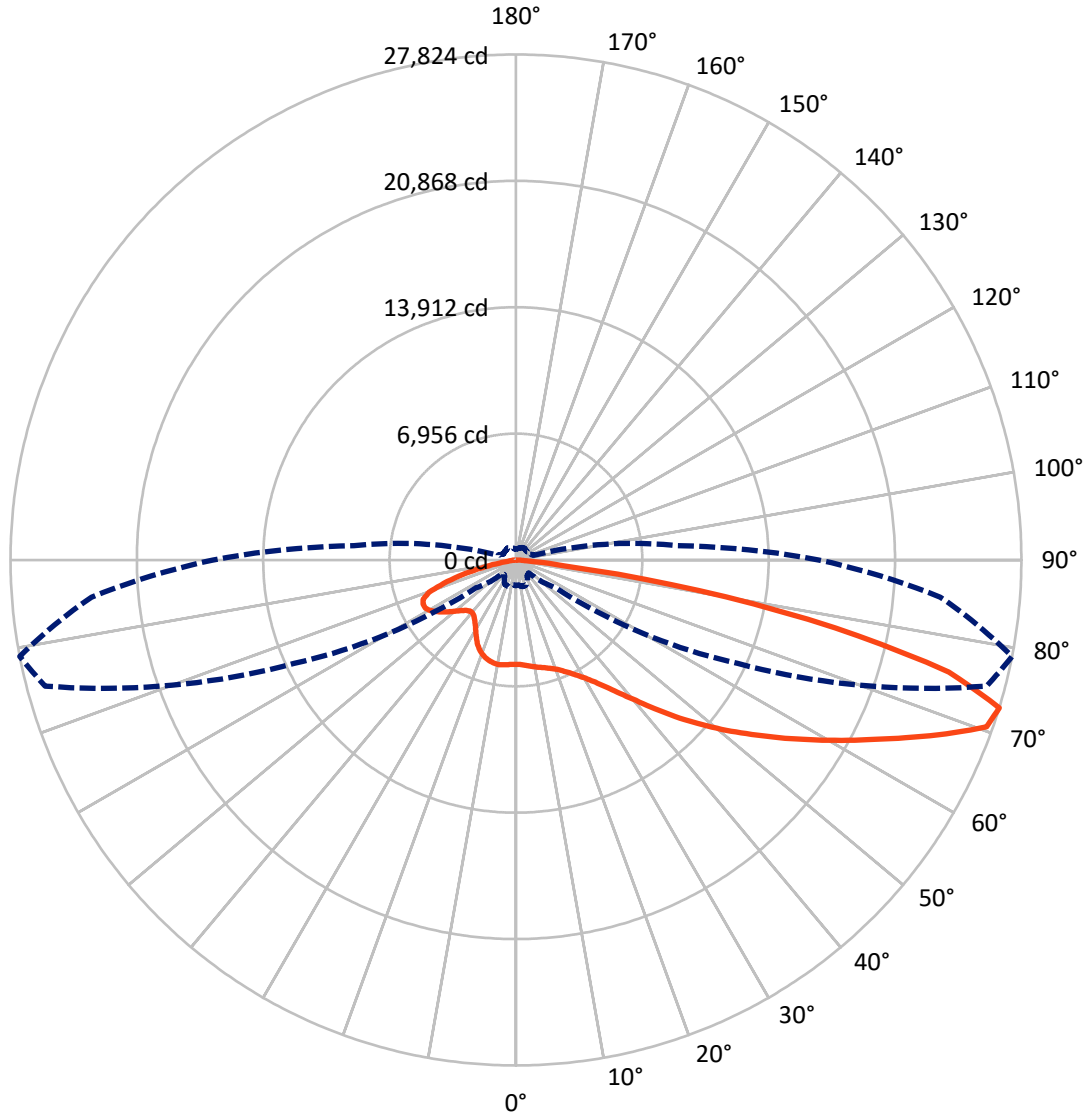
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6294.7	0.0	6294.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	22310.3	0.0	22310.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	28605.0	0.0	28605.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.2	1.8
10°-20°	1362.7	4.8
20°-30°	2198.9	7.7
30°-40°	3300.2	11.5
40°-50°	4681.6	16.4
50°-60°	5912.2	20.7
60°-70°	6004.7	21.0
70°-80°	4092.5	14.3
80°-90°	531.0	1.9
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°	28605.0	100.0
0°-180°	28605.0	100.0

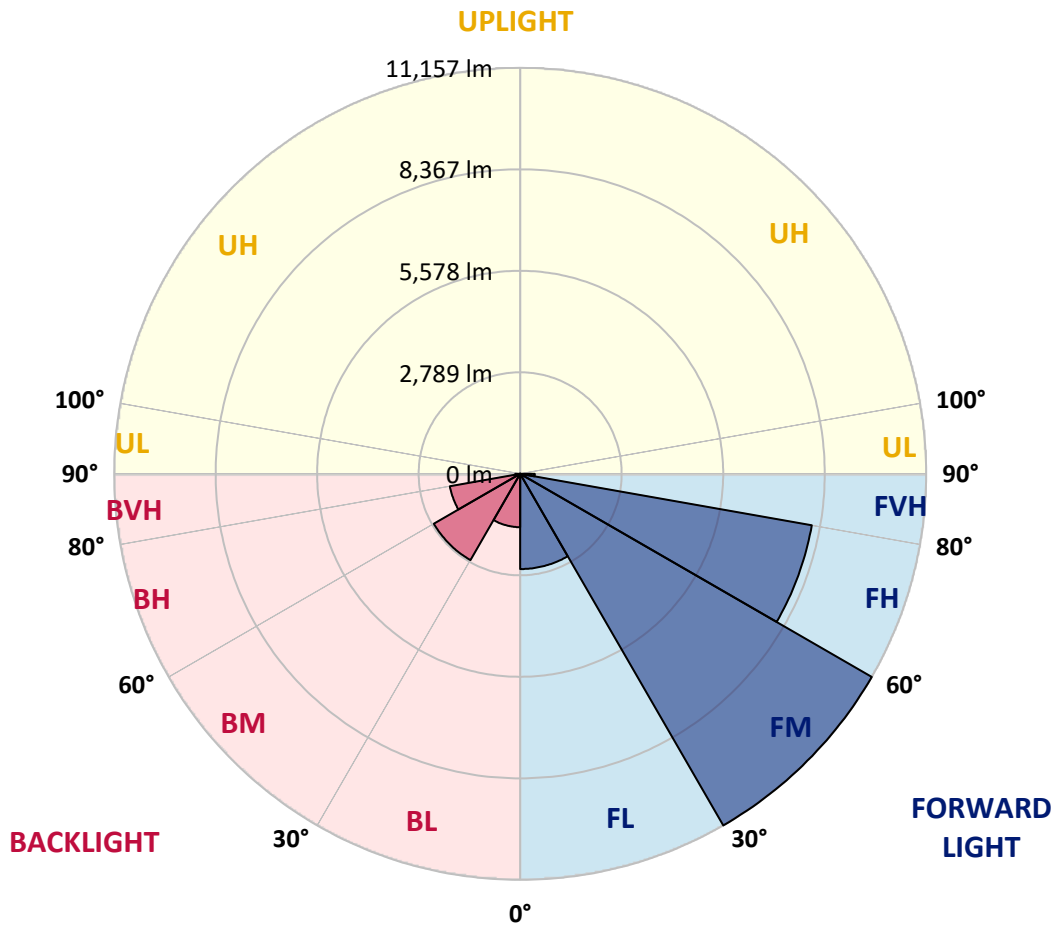


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2616.7	9.1			
FM (30°-60°)	11156.5	39.0			
FH (60°-80°)	8137.2	28.4			G4/12000
FVH (80°-90°)	400.0	1.4			G3/500
BL (0°-30°)	1466.2	5.1	B3/2500		
BM (30°-60°)	2737.5	9.6	B3/5000		
BH (60°-80°)	1960.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	131.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	5742.2	5742.2	5742.2	5742.2	5742.2	5742.2	5742.2	5742.2	5742.2	5742.2
2.5°	5745.2	5718.0	5734.6	5728.6	5736.1	5745.2	5748.2	5752.8	5767.9	5766.4
5°	5733.1	5705.9	5728.6	5721.0	5740.7	5761.9	5780.0	5796.7	5820.9	5831.5
7.5°	5707.4	5689.2	5711.9	5734.6	5770.9	5802.7	5828.4	5866.3	5901.1	5907.1
10°	5557.6	5544.0	5596.9	5655.9	5755.8	5842.0	5898.0	5941.9	5979.7	5985.8
12.5°	5401.7	5385.1	5444.1	5524.3	5686.2	5842.0	5960.1	6017.6	6050.9	6070.5
15°	5376.0	5362.4	5395.7	5465.3	5600.0	5801.2	6002.4	6108.3	6137.1	6159.8
17.5°	5500.1	5474.4	5488.0	5512.2	5590.9	5763.4	6035.7	6211.2	6255.1	6279.3
20°	5787.6	5751.3	5730.1	5681.7	5668.0	5769.4	6032.7	6335.3	6392.8	6423.1
22.5°	6170.4	6146.2	6100.8	5978.2	5845.1	5843.6	6090.2	6494.2	6601.6	6630.4
25°	6633.4	6597.1	6539.6	6373.1	6117.4	5990.3	6187.0	6696.9	6877.0	6884.6
27.5°	7166.0	7111.5	7032.8	6813.5	6468.5	6220.3	6335.3	6930.0	7193.2	7190.2
30°	7727.4	7672.9	7589.7	7323.4	6889.1	6530.5	6541.1	7181.1	7568.5	7551.8
32.5°	8137.4	8096.6	8079.9	7874.1	7373.3	6896.7	6777.1	7459.5	8031.5	8016.4
35°	8452.1	8399.2	8418.8	8314.4	7901.4	7306.7	7066.1	7790.9	8594.4	8592.8
37.5°	8763.8	8716.9	8733.6	8664.0	8390.1	7827.2	7418.7	8196.4	9291.9	9325.2
40°	9048.3	8998.4	9064.9	8999.9	8769.9	8381.0	7819.7	8654.9	10099.9	10163.4
42.5°	9219.3	9179.9	9290.4	9291.9	9099.7	8848.6	8260.0	9160.3	11035.0	11177.2
45°	9278.3	9264.7	9431.1	9465.9	9391.8	9119.4	8656.4	9711.0	12042.7	12296.9
47.5°	9214.7	9189.0	9419.0	9547.6	9606.6	9246.5	8984.7	10307.2	13071.6	13443.8
50°	8894.0	8844.0	9186.0	9456.8	9667.1	9329.7	9316.1	10995.6	14241.2	14648.2
52.5°	8317.5	8279.6	8668.5	9139.1	9534.0	9370.6	9688.3	11747.6	15351.8	15878.4
55°	7580.6	7530.7	7958.9	8573.2	9202.6	9357.0	10060.5	12588.9	16662.2	17196.3
57.5°	6412.5	6312.6	6854.3	7580.6	8662.4	9340.3	10447.9	13425.7	17993.7	18633.7
60°	4708.7	4560.5	5224.7	6085.7	7606.3	9178.4	10927.5	14363.8	19591.5	20168.0
62.5°	2741.7	2655.5	3089.7	3893.2	5733.1	8225.2	11196.9	15454.7	21162.1	21767.3
65°	2128.9	2104.7	2142.5	2204.6	3191.1	6158.3	10366.2	16518.4	23159.4	23583.0
67.5°	1947.3	1929.2	1945.8	1829.3	1619.0	3430.2	8201.0	16787.7	25298.9	25556.1
70°	1731.0	1709.8	1764.3	1664.4	1274.0	1560.0	5298.8	15810.3	27001.1	27483.8
72.5°	1410.2	1386.0	1513.1	1467.7	1072.8	1001.7	2661.5	13487.7	26822.6	27824.2
75°	1083.4	1069.8	1221.1	1258.9	874.6	788.3	1277.0	10025.7	23604.2	24613.5
77.5°	841.3	830.7	907.9	1045.5	705.1	611.3	785.3	6359.5	17787.9	17964.9
80°	631.0	600.7	671.8	809.5	549.3	446.4	532.6	3708.6	11243.8	10192.2
82.5°	394.9	379.8	438.8	540.2	387.4	307.2	346.5	2048.7	4506.0	2654.0
85°	225.5	219.4	239.1	308.7	210.3	177.0	198.2	904.8	823.1	565.9
87.5°	90.8	87.8	108.9	137.7	77.2	65.1	69.6	217.9	181.6	168.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5742.2	0°	5742.2	5742.2	5742.2	5742.2	5742.2	5742.2	5742.2	5742.2	5742.2	5742.2
5764.9	2.5°	5758.8	5758.8	5737.6	5704.4	5666.5	5642.3	5603.0	5592.4	5551.5	5539.4
5816.3	5°	5828.4	5816.3	5751.3	5657.4	5528.8	5410.8	5280.7	5199.0	5084.0	5043.1
5917.7	7.5°	5916.2	5882.9	5770.9	5565.2	5295.8	5031.0	4755.6	4546.8	4347.1	4276.0
6000.9	10°	5996.4	5949.5	5758.8	5398.7	4932.7	4474.2	4035.4	3728.3	3495.2	3399.9
6093.2	12.5°	6076.6	5990.3	5678.6	5121.8	4416.7	3794.8	3327.3	3088.2	2944.5	2829.5
6168.9	15°	6152.2	6031.2	5554.6	4751.1	3850.8	3219.9	2874.9	2684.2	2569.2	2493.6
6279.3	17.5°	6240.0	6066.0	5368.4	4280.5	3312.2	2821.9	2540.5	2425.5	2402.8	2393.7
6430.6	20°	6362.5	6097.8	5123.3	3754.0	2915.7	2504.2	2358.9	2348.3	2346.8	2342.3
6612.2	22.5°	6494.2	6135.6	4799.5	3275.8	2578.3	2306.0	2280.2	2259.0	2245.4	2243.9
6831.6	25°	6650.0	6147.7	4394.0	2884.0	2290.8	2212.1	2181.9	2150.1	2141.0	2141.0
7081.3	27.5°	6801.3	6106.8	3921.9	2543.5	2128.9	2125.9	2086.6	2076.0	2074.4	2079.0
7365.7	30°	6952.7	6029.7	3452.9	2228.8	2035.1	2035.1	2021.5	2029.1	2035.1	2050.2
7756.1	32.5°	7156.9	5948.0	3061.0	1995.8	1953.4	1938.3	1951.9	1967.0	1973.1	1992.7
8269.0	35°	7456.5	5890.5	2749.3	1868.7	1868.7	1849.0	1856.6	1853.5	1839.9	1830.8
8889.4	37.5°	7852.9	5887.4	2492.1	1809.7	1797.6	1794.5	1796.0	1776.4	1723.4	1659.9
9639.9	40°	8329.6	5969.1	2293.8	1768.8	1759.7	1777.9	1768.8	1715.8	1570.6	1460.1
10562.9	42.5°	8969.6	6202.2	2166.7	1718.9	1746.1	1768.8	1732.5	1549.4	1451.1	1376.9
11614.5	45°	9723.1	6580.4	2101.7	1665.9	1720.4	1747.6	1572.1	1491.9	1413.2	1324.0
12761.4	47.5°	10576.5	7057.1	2086.6	1616.0	1662.9	1679.5	1504.0	1467.7	1378.4	1281.6
13914.4	50°	11505.5	7621.4	2127.4	1557.0	1579.7	1522.2	1481.3	1448.0	1355.7	1260.4
15096.1	52.5°	12466.4	8243.3	2209.1	1476.8	1496.4	1432.9	1472.2	1443.5	1342.1	1213.5
16317.2	55°	13410.5	8869.7	2287.8	1383.0	1411.7	1352.7	1446.5	1425.3	1280.1	1134.8
17619.9	57.5°	14369.8	9493.1	2365.0	1299.7	1330.0	1275.5	1405.7	1376.9	1210.5	1062.2
19042.3	60°	15367.0	10098.4	2401.3	1219.6	1240.7	1204.4	1343.6	1293.7	1131.8	988.0
20440.4	62.5°	16300.5	10602.2	2342.3	1139.4	1153.0	1137.8	1261.9	1195.3	1053.1	904.8
21897.5	65°	17237.1	10901.8	2160.7	1060.7	1063.7	1056.1	1146.9	1089.4	960.8	832.2
23173.0	67.5°	18086.0	11069.8	1871.7	975.9	968.4	965.4	1039.5	974.4	871.5	759.6
24142.9	70°	18266.0	10643.1	1429.9	876.1	876.1	868.5	921.5	854.9	773.2	682.4
23448.4	72.5°	16683.3	8953.0	1015.3	762.6	774.7	759.6	803.5	747.5	673.3	612.8
20208.8	75°	13452.9	6565.3	738.4	646.1	667.3	641.6	682.4	643.1	579.5	578.0
13926.5	77.5°	9243.5	4059.6	535.6	532.6	547.7	514.5	561.4	540.2	482.7	457.0
6061.4	80°	3944.6	1619.0	390.4	411.6	411.6	381.3	435.8	441.8	391.9	379.8
1169.6	82.5°	785.3	460.0	273.9	282.9	266.3	257.2	308.7	342.0	472.1	525.0
352.6	85°	236.0	169.5	164.9	154.3	136.2	137.7	181.6	343.5	423.7	242.1
116.5	87.5°	65.1	42.4	43.9	34.8	28.7	37.8	62.0	260.3	142.2	60.5
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>
5742.2
5559.1
5073.4
4285.1
3421.1
2867.3
2507.2
2399.8
2357.4
2260.6
2150.1
2091.1
2060.8
2009.4
1852.0
1661.4
1457.1
1373.9
1317.9
1274.0
1249.8
1204.4
1127.3
1059.2
983.5
903.3
823.1
750.5
679.4
594.6
520.5
428.2
379.8
526.6
208.8
51.4
0.0

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