

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: P953026

Luminaire Tested: **GALN-SB6C-950-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953026
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-SB6C-950-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31401 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

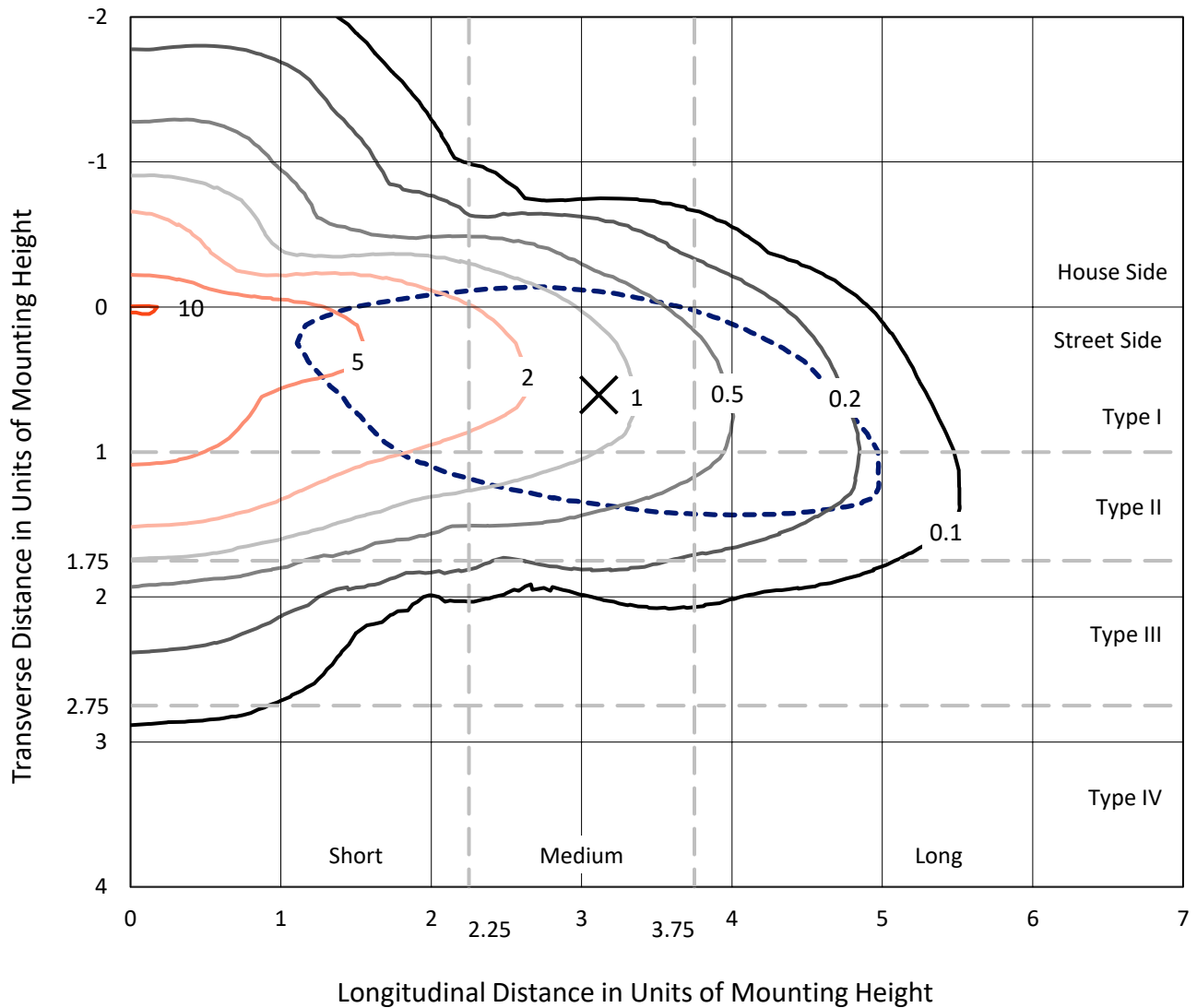
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

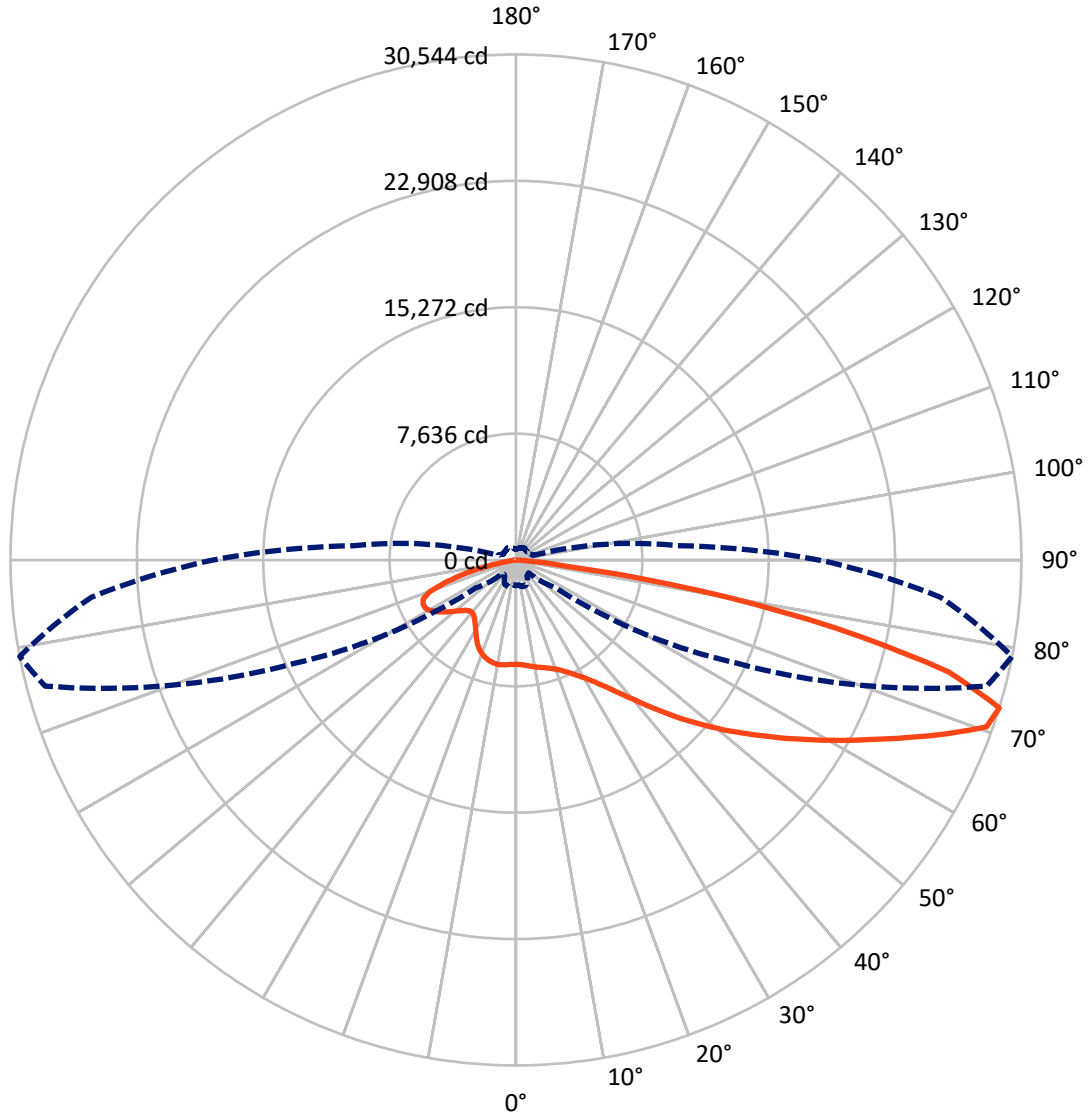
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	6909.9	0.0	6909.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	24491.1	0.0	24491.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	31401.0	0.0	31401.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.2	1.8
10°-20°	1495.9	4.8
20°-30°	2413.8	7.7
30°-40°	3622.8	11.5
40°-50°	5139.2	16.4
50°-60°	6490.1	20.7
60°-70°	6591.6	21.0
70°-80°	4492.5	14.3
80°-90°	582.9	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°	31401.0	100.0
0°-180°	31401.0	100.0



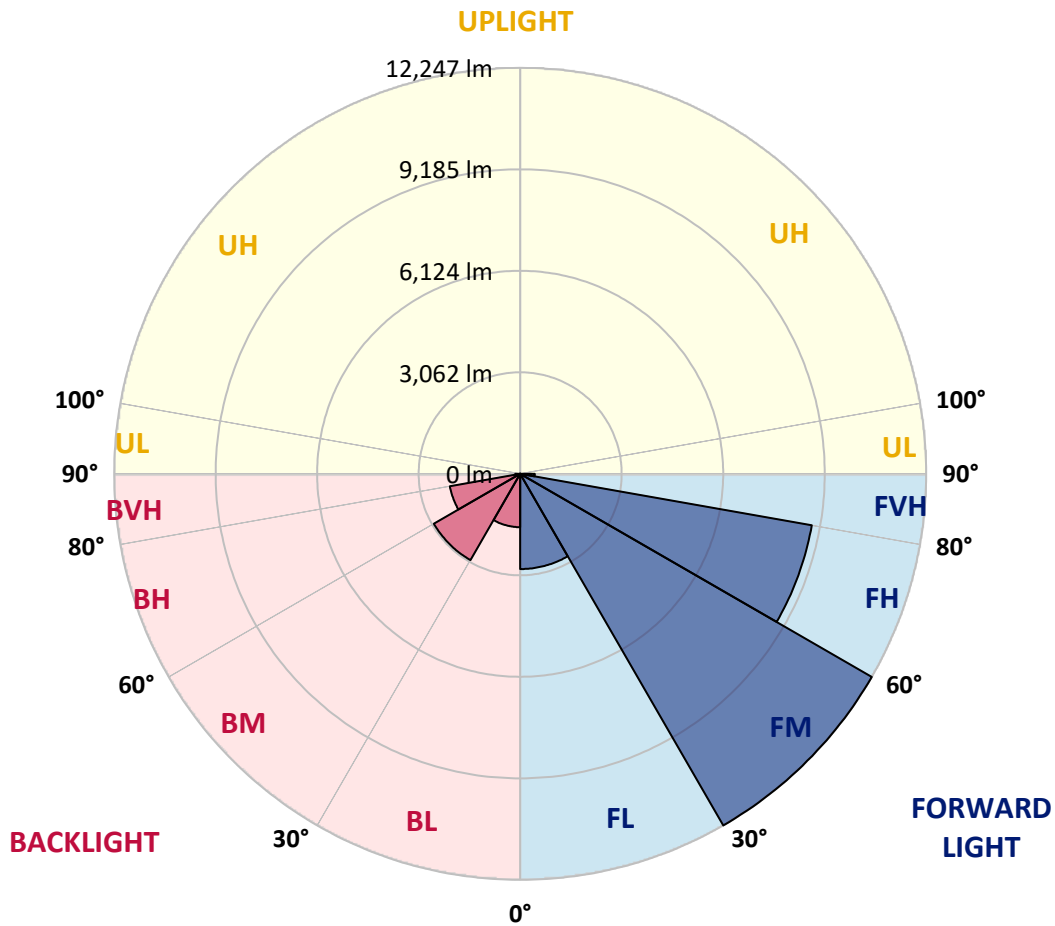
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2872.4	9.1			
FM (30°-60°)	12247.0	39.0			
FH (60°-80°)	8932.5	28.4			G4/12000
FVH (80°-90°)	439.1	1.4			G3/500
BL (0°-30°)	1609.5	5.1	B3/2500		
BM (30°-60°)	3005.1	9.6	B3/5000		
BH (60°-80°)	2151.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	143.8	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°	6303.5	6303.5	6303.5	6303.5	6303.5	6303.5	6303.5	6303.5	6303.5	6303.5
2.5°	6306.8	6276.9	6295.1	6288.5	6296.8	6306.8	6310.1	6315.1	6331.7	6330.0
5°	6293.5	6263.6	6288.5	6280.2	6301.8	6325.0	6345.0	6363.2	6389.8	6401.5
7.5°	6265.2	6245.3	6270.2	6295.1	6335.0	6369.9	6398.1	6439.7	6477.9	6484.5
10°	6100.8	6085.9	6144.0	6208.8	6318.4	6413.1	6474.5	6522.7	6564.2	6570.9
12.5°	5929.7	5911.5	5976.2	6064.3	6242.0	6413.1	6542.6	6605.8	6642.3	6663.9
15°	5901.5	5886.5	5923.1	5999.5	6147.3	6368.2	6589.1	6705.4	6737.0	6761.9
17.5°	6037.7	6009.5	6024.4	6051.0	6137.4	6326.7	6625.7	6818.4	6866.5	6893.1
20°	6353.3	6313.4	6290.2	6237.0	6222.1	6333.3	6622.4	6954.6	7017.7	7050.9
22.5°	6773.5	6746.9	6697.1	6562.6	6416.4	6414.7	6685.5	7129.0	7246.9	7278.5
25°	7281.8	7241.9	7178.8	6996.1	6715.4	6575.9	6791.8	7351.5	7549.2	7557.5
27.5°	7866.4	7806.6	7720.3	7479.4	7100.7	6828.3	6954.6	7607.3	7896.3	7893.0
30°	8482.7	8422.9	8331.5	8039.2	7562.5	7168.8	7180.5	7883.1	8308.3	8290.0
32.5°	8932.8	8888.0	8869.7	8643.8	8094.0	7570.8	7439.6	8188.7	8816.5	8799.9
35°	9278.3	9220.1	9241.7	9127.1	8673.7	8020.9	7756.8	8552.4	9434.4	9432.8
37.5°	9620.4	9569.0	9587.2	9510.8	9210.2	8592.3	8143.8	8997.6	10200.1	10236.7
40°	9932.7	9877.9	9951.0	9879.6	9627.1	9200.2	8584.0	9500.9	11087.1	11156.9
42.5°	10120.4	10077.2	10198.5	10200.1	9989.2	9713.5	9067.3	10055.6	12113.6	12269.7
45°	10185.2	10170.2	10352.9	10391.1	10309.8	10010.8	9502.5	10660.2	13219.8	13498.9
47.5°	10115.4	10087.2	10339.7	10480.8	10545.6	10150.3	9863.0	11314.7	14349.3	14757.9
50°	9763.3	9708.5	10083.9	10381.2	10612.1	10241.7	10226.7	12070.4	15633.2	16080.0
52.5°	9130.5	9088.9	9515.8	10032.4	10465.9	10286.5	10635.3	12895.9	16852.4	17430.4
55°	8321.6	8266.7	8736.8	9411.2	10102.1	10271.6	11043.9	13819.4	18290.8	18877.1
57.5°	7039.3	6929.6	7524.3	8321.6	9509.2	10253.3	11469.1	14738.0	19752.5	20455.1
60°	5169.0	5006.2	5735.4	6680.5	8349.8	10075.6	11995.7	15767.8	21506.5	22139.3
62.5°	3009.7	2915.0	3391.7	4273.7	6293.5	9029.1	12291.3	16965.3	23230.6	23895.0
65°	2337.0	2310.4	2352.0	2420.1	3503.0	6760.2	11379.4	18133.0	25423.1	25888.2
67.5°	2137.7	2117.8	2136.0	2008.1	1777.3	3765.5	9002.6	18428.7	27771.7	28054.1
70°	1900.2	1876.9	1936.7	1827.1	1398.6	1712.5	5816.8	17355.7	29640.3	30170.2
72.5°	1548.0	1521.5	1661.0	1611.2	1177.6	1099.6	2921.7	14806.1	29444.3	30543.9
75°	1189.3	1174.3	1340.4	1381.9	960.1	865.4	1401.9	11005.7	25911.4	27019.3
77.5°	923.5	911.9	996.6	1147.7	774.0	671.0	862.1	6981.1	19526.6	19720.9
80°	692.6	659.4	737.5	888.6	602.9	490.0	584.7	4071.1	12342.8	11188.4
82.5°	433.5	416.9	481.7	593.0	425.2	337.2	380.4	2249.0	4946.4	2913.4
85°	247.5	240.8	262.4	338.8	230.9	194.3	217.6	993.3	903.6	621.2
87.5°	99.7	96.3	119.6	151.1	84.7	71.4	76.4	239.2	199.3	184.4
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°
6303.5	0°	6303.5	6303.5	6303.5	6303.5	6303.5	6303.5	6303.5	6303.5	6303.5	6303.5
6328.4	2.5°	6321.7	6321.7	6298.5	6261.9	6220.4	6193.8	6150.6	6139.0	6094.2	6080.9
6384.8	5°	6398.1	6384.8	6313.4	6210.4	6069.3	5939.7	5796.9	5707.2	5580.9	5536.1
6496.1	7.5°	6494.5	6457.9	6335.0	6109.1	5813.5	5522.8	5220.5	4991.3	4772.0	4694.0
6587.5	10°	6582.5	6531.0	6321.7	5926.4	5414.8	4911.5	4429.9	4092.7	3836.9	3732.2
6688.8	12.5°	6670.5	6575.9	6233.7	5622.4	4848.4	4165.8	3652.5	3390.1	3232.3	3106.0
6771.9	15°	6753.6	6620.7	6097.5	5215.5	4227.2	3534.6	3155.9	2946.6	2820.4	2737.3
6893.1	17.5°	6849.9	6658.9	5893.2	4698.9	3635.9	3097.7	2788.8	2662.6	2637.7	2627.7
7059.2	20°	6984.5	6693.8	5624.1	4120.9	3200.7	2748.9	2589.5	2577.9	2576.2	2571.2
7258.5	22.5°	7129.0	6735.3	5268.7	3596.0	2830.3	2531.3	2503.1	2479.9	2464.9	2463.2
7499.4	25°	7300.0	6748.6	4823.5	3165.8	2514.7	2428.4	2395.1	2360.3	2350.3	2350.3
7773.4	27.5°	7466.1	6703.8	4305.3	2792.1	2337.0	2333.7	2290.5	2278.9	2277.2	2282.2
8085.7	30°	7632.2	6619.0	3790.4	2446.6	2234.0	2234.0	2219.1	2227.4	2234.0	2250.6
8514.2	32.5°	7856.5	6529.3	3360.2	2190.8	2144.3	2127.7	2142.7	2159.3	2165.9	2187.5
9077.3	35°	8185.4	6466.2	3018.0	2051.3	2051.3	2029.7	2038.0	2034.7	2019.8	2009.8
9758.3	37.5°	8620.5	6462.9	2735.6	1986.5	1973.3	1969.9	1971.6	1950.0	1891.9	1822.1
10582.2	40°	9143.7	6552.6	2518.1	1941.7	1931.7	1951.7	1941.7	1883.6	1724.1	1602.9
11595.4	42.5°	9846.3	6808.4	2378.5	1886.9	1916.8	1941.7	1901.8	1700.9	1592.9	1511.5
12749.7	45°	10673.5	7223.6	2307.1	1828.7	1888.5	1918.4	1725.8	1637.7	1551.4	1453.4
14008.8	47.5°	11610.3	7746.9	2290.5	1773.9	1825.4	1843.7	1651.0	1611.2	1513.2	1406.9
15274.5	50°	12630.2	8366.4	2335.4	1709.2	1734.1	1671.0	1626.1	1589.6	1488.2	1383.6
16571.7	52.5°	13684.9	9049.1	2425.0	1621.1	1642.7	1573.0	1616.1	1584.6	1473.3	1332.1
17912.1	55°	14721.3	9736.7	2511.4	1518.1	1549.7	1484.9	1587.9	1564.7	1405.2	1245.7
19342.2	57.5°	15774.4	10421.0	2596.1	1426.8	1460.0	1400.2	1543.1	1511.5	1328.8	1166.0
20903.5	60°	16869.0	11085.4	2636.0	1338.8	1362.0	1322.1	1475.0	1420.1	1242.4	1084.6
22438.3	62.5°	17893.8	11638.5	2571.2	1250.7	1265.7	1249.1	1385.3	1312.2	1156.0	993.3
24037.8	65°	18922.0	11967.4	2371.9	1164.4	1167.7	1159.4	1259.0	1195.9	1054.7	913.5
25438.0	67.5°	19853.8	12151.8	2054.6	1071.3	1063.0	1059.7	1141.1	1069.7	956.7	833.8
26502.7	70°	20051.5	11683.4	1569.6	961.7	961.7	953.4	1011.5	938.5	848.8	749.1
25740.3	72.5°	18314.1	9828.1	1114.5	837.1	850.4	833.8	882.0	820.5	739.1	672.7
22184.2	75°	14767.9	7207.0	810.6	709.2	732.5	704.3	749.1	705.9	636.2	634.5
15287.7	77.5°	10147.0	4456.4	588.0	584.7	601.3	564.7	616.2	593.0	529.9	501.6
6653.9	80°	4330.2	1777.3	428.5	451.8	451.8	418.6	478.4	485.0	430.2	416.9
1283.9	82.5°	862.1	504.9	300.6	310.6	292.3	282.4	338.8	375.4	518.2	576.4
387.0	85°	259.1	186.0	181.0	169.4	149.5	151.1	199.3	377.0	465.1	265.8
127.9	87.5°	71.4	46.5	48.2	38.2	31.6	41.5	68.1	285.7	156.1	66.4
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>
6303.5
6102.5
5569.3
4703.9
3755.5
3147.6
2752.3
2634.3
2587.8
2481.5
2360.3
2295.5
2262.3
2205.8
2033.1
1823.8
1599.5
1508.2
1446.7
1398.6
1372.0
1322.1
1237.4
1162.7
1079.6
991.6
903.6
823.9
745.8
652.8
571.4
470.1
416.9
578.0
229.2
56.5
0.0

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