

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: P953159

Luminaire Tested: **GALN-SB6D-750-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953159  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
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-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

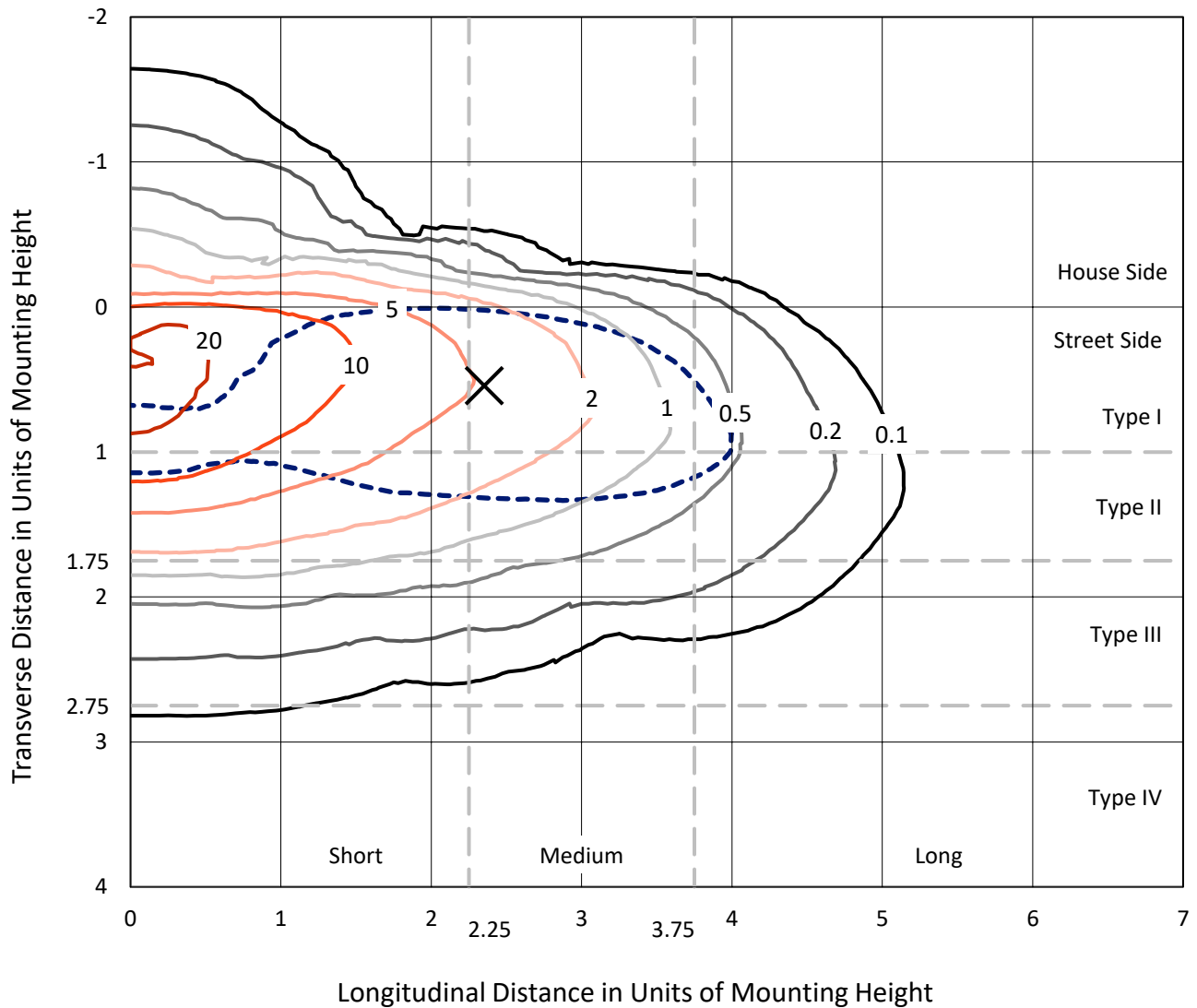
Lumens per Lamp: N/A  
Luminaire Lumens: 55276 lumens  
Efficiency: N/A  
Efficacy: 125.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

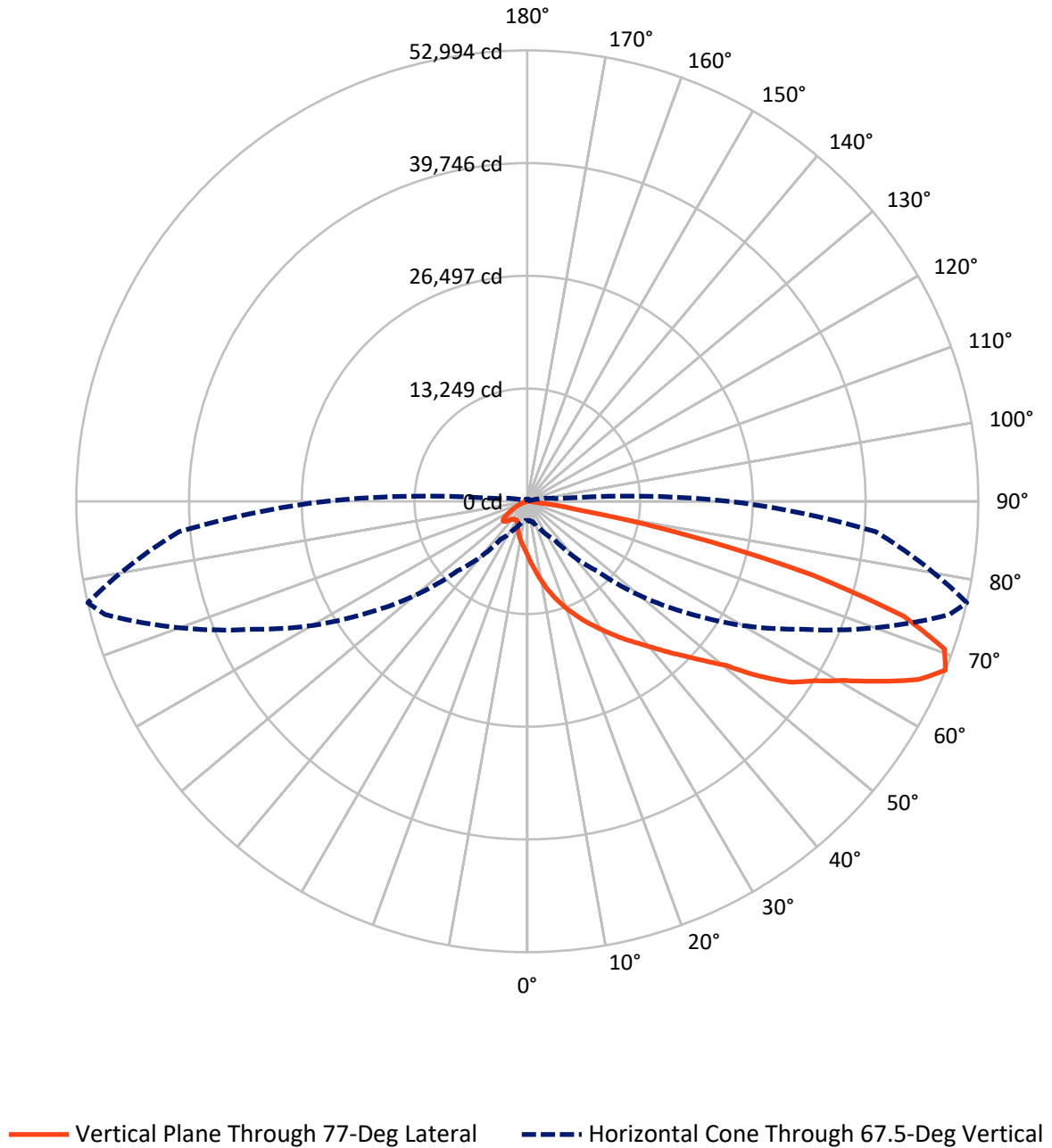
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4066.7	0.0	4066.7
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	51209.3	0.0	51209.3
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	55276.0	0.0	55276.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	650.6	1.2
10°-20°	2278.3	4.1
20°-30°	4396.4	8.0
30°-40°	7632.5	13.8
40°-50°	11081.9	20.0
50°-60°	12726.2	23.0
60°-70°	11048.7	20.0
70°-80°	5204.1	9.4
80°-90°	257.4	0.5
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°	55276.0	100.0
0°-180°	55276.0	100.0

**Coefficient of Utilization**



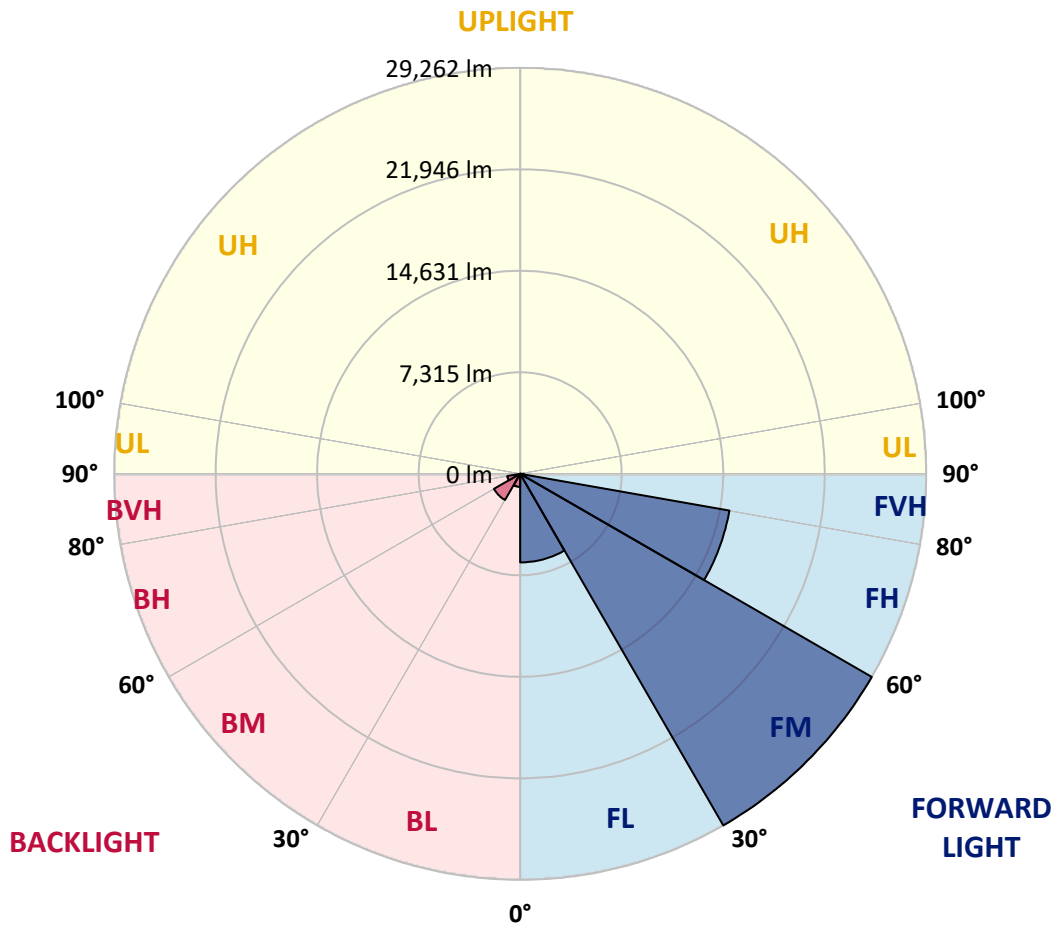
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6383.8	11.5			
FM (30°-60°)	29261.6	52.9			
FH (60°-80°)	15311.3	27.7			G5
FVH (80°-90°)	252.6	0.5			G3/500
BL (0°-30°)	941.5	1.7	B2/1000		
BM (30°-60°)	2179.0	3.9	B2/2500		
BH (60°-80°)	941.5	1.7	B2/1000		G2/1000
BVH (80°-90°)	4.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	6374.1	6374.1	6374.1	6374.1	6374.1	6374.1	6374.1	6374.1	6374.1	6374.1
2.5°	8824.9	8879.9	8800.9	8649.9	8423.3	8275.7	7915.3	7575.5	7197.9	7077.8
5°	10757.4	10805.5	10716.2	10551.5	10249.4	9961.1	9487.4	8776.9	8038.9	7802.1
7.5°	12188.8	12216.2	12181.9	12030.9	11742.6	11416.5	10887.9	10046.9	8951.9	8691.1
10°	13218.5	13307.8	13297.5	13239.1	13046.9	12782.6	12219.7	11262.0	9974.8	9638.4
12.5°	13901.6	14001.1	14059.5	14189.9	14179.6	14011.4	13517.1	12504.6	10994.3	10599.5
15°	14100.7	14207.1	14430.2	14732.3	15000.0	15085.8	14739.1	13723.1	12116.7	11612.1
17.5°	13987.4	14152.2	14419.9	14897.0	15484.0	15871.8	15834.1	14900.4	13136.1	12559.5
20°	14238.0	14395.9	14605.2	15006.8	15689.9	16393.6	16675.0	16026.3	14148.7	13544.6
22.5°	15624.7	15597.2	15617.8	15683.1	16091.5	16788.3	17368.4	17049.2	15151.0	14533.2
25°	17821.5	17697.9	17488.5	17135.0	17032.0	17368.4	17972.5	17955.4	16208.2	15545.8
27.5°	20340.9	20320.3	19829.5	18978.2	18497.7	18367.3	18655.6	18837.5	17255.1	16548.0
30°	22754.0	22808.9	22146.4	21199.1	20316.9	19805.5	19544.6	19675.0	18319.2	17629.3
32.5°	24854.7	24913.0	24192.2	23083.5	21992.0	21374.1	20824.9	20502.3	19479.4	18727.7
35°	26629.3	26687.6	25860.4	24635.0	23471.4	22911.9	22290.6	21408.4	20646.4	19946.2
37.5°	28215.1	28197.9	27089.2	25853.5	24710.5	24267.7	23941.6	22524.0	21847.8	21171.6
40°	29152.1	29224.2	28276.9	26914.2	25805.5	25482.8	25462.2	23907.3	23234.5	22578.9
42.5°	29426.7	29553.7	28867.2	27748.3	26742.5	26392.4	26931.3	25403.9	24847.8	24209.4
45°	28932.5	29056.0	28743.7	27967.9	27381.0	27154.4	28194.5	26955.3	26570.9	25939.3
47.5°	27490.8	27645.3	27720.8	27556.0	27549.2	27779.1	29327.2	28589.2	28616.7	27971.4
50°	24700.2	24961.1	25654.4	26238.0	27140.7	28273.4	30429.0	30360.4	30923.3	30367.2
52.5°	19627.0	19997.7	22386.7	23982.8	26011.4	28180.7	31640.7	33202.5	34970.2	34156.7
55°	15772.3	15772.3	17715.1	20701.4	23807.8	27569.8	32169.3	35049.2	37726.5	37534.3
57.5°	12858.1	13012.6	14251.7	16891.3	20619.0	26114.4	32495.4	36209.3	39947.3	39806.6
60°	7935.9	8268.9	10609.8	13215.1	16990.8	23522.9	32289.4	37383.3	42641.8	42755.1
62.5°	4469.1	4592.7	5636.1	9508.0	13211.7	20038.9	30713.9	38038.9	46088.1	46568.6
65°	3085.8	3147.6	3549.2	5917.6	9157.9	15954.2	27635.0	37630.4	49541.1	50512.5
67.5°	2241.4	2272.3	2522.9	3614.4	5433.6	11567.5	22808.9	35570.9	51370.7	52994.2
70°	1723.1	1743.7	1925.6	2375.3	3209.4	7139.6	16565.2	31475.9	50045.7	51985.1
72.5°	1400.5	1421.1	1561.8	1757.4	2128.1	4222.0	10040.0	25561.8	44196.8	46290.6
75°	1180.8	1208.2	1335.2	1462.2	1668.2	2711.7	4709.4	17800.9	33236.8	34609.8
77.5°	655.6	604.1	1084.7	1211.7	1407.3	1716.2	2203.7	10476.0	18614.4	18995.4
80°	408.5	422.2	861.6	974.8	1081.2	865.0	1009.2	4033.2	6453.1	6130.4
82.5°	24.0	54.9	662.5	703.7	741.4	370.7	381.0	1369.6	1554.9	1427.9
85°	0.0	0.0	302.1	243.7	257.4	106.4	109.8	319.2	209.4	226.5
87.5°	0.0	0.0	0.0	6.9	0.0	10.3	20.6	27.5	10.3	13.7
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°
6374.1	0°	6374.1	6374.1	6374.1	6374.1	6374.1	6374.1	6374.1	6374.1	6374.1	6374.1
6700.2	2.5°	6459.9	6219.7	5732.3	5255.1	4867.3	4506.9	4249.4	4005.7	3882.1	3875.3
7132.7	5°	6655.6	6151.0	5176.2	4314.6	3621.3	3065.2	2704.8	2447.4	2316.9	2272.3
7664.8	7.5°	6930.2	6171.6	4688.8	3490.8	2673.9	2196.8	1990.8	1908.5	1881.0	1850.1
8265.4	10°	7276.9	6219.7	4252.9	2811.2	2107.5	1867.3	1784.9	1750.6	1730.0	1709.4
8941.6	12.5°	7664.8	6264.3	3820.4	2334.1	1853.5	1730.0	1671.6	1630.4	1603.0	1578.9
9635.0	15°	8042.3	6291.8	3370.7	2001.1	1723.1	1623.6	1561.8	1517.2	1479.4	1451.9
10314.6	17.5°	8416.5	6329.5	2948.5	1802.1	1616.7	1517.2	1455.4	1400.5	1369.6	1338.7
11028.6	20°	8831.8	6322.6	2550.3	1661.3	1510.3	1410.8	1345.5	1294.0	1263.2	1228.8
11783.7	22.5°	9216.2	6288.3	2200.2	1541.2	1400.5	1304.3	1232.3	1180.8	1149.9	1122.4
12556.1	25°	9659.0	6260.9	1908.5	1431.3	1297.5	1201.4	1122.4	1074.4	1040.0	1016.0
13331.8	27.5°	10084.7	6219.7	1695.7	1331.8	1197.9	1105.3	1029.7	974.8	943.9	926.8
14131.6	30°	10503.4	6209.4	1616.7	1235.7	1108.7	1016.0	940.5	889.0	865.0	858.1
15010.3	32.5°	11008.0	6236.8	1651.0	1201.4	1026.3	933.6	861.6	823.8	799.8	799.8
15988.5	35°	11546.9	6230.0	1702.5	1232.3	971.4	851.3	796.3	772.3	748.3	748.3
17073.2	37.5°	12223.1	6240.3	1743.7	1283.8	950.8	782.6	751.7	720.8	707.1	707.1
18260.9	40°	13232.3	6580.1	1723.1	1328.4	943.9	734.6	672.8	662.5	652.2	652.2
19603.0	42.5°	14467.9	7318.1	1750.6	1331.8	940.5	700.2	617.8	638.4	614.4	611.0
21116.7	45°	15820.3	8124.7	1925.6	1259.7	937.1	683.1	590.4	614.4	576.7	576.7
22870.7	47.5°	17162.5	8924.5	2104.1	1156.7	926.8	679.6	566.4	552.6	542.3	545.8
25156.7	50°	19012.6	9576.6	2172.8	1016.0	902.7	672.8	521.7	525.2	518.3	525.2
28379.8	52.5°	21027.4	9713.9	2090.4	858.1	834.1	652.2	490.8	504.6	501.1	508.0
30648.7	55°	22283.7	9566.4	1726.5	714.0	727.7	569.8	460.0	487.4	487.4	487.4
32866.1	57.5°	23581.2	8938.2	1225.4	580.1	604.1	466.8	432.5	470.3	466.8	463.4
35536.6	60°	24514.8	7922.2	806.6	477.1	480.5	384.4	401.6	442.8	439.4	422.2
38289.4	62.5°	25211.6	6799.8	518.3	405.0	367.3	346.7	367.3	401.6	387.9	350.1
40623.5	65°	25132.7	5244.8	398.2	346.7	302.1	302.1	319.2	350.1	308.9	247.1
41069.8	67.5°	23667.0	3549.2	329.5	291.8	254.0	250.6	264.3	291.8	264.3	209.4
38783.7	70°	21048.0	2320.4	264.3	226.5	202.5	185.4	212.8	250.6	223.1	168.2
33017.1	72.5°	17083.5	1414.2	199.1	164.8	147.6	120.1	168.2	205.9	178.5	123.6
22959.9	75°	11052.6	720.8	137.3	106.4	78.9	72.1	123.6	154.5	123.6	75.5
10187.6	77.5°	4228.8	302.1	75.5	48.1	41.2	34.3	68.6	92.7	51.5	17.2
1973.7	80°	813.5	127.0	37.8	24.0	20.6	13.7	10.3	6.9	0.0	0.0
350.1	82.5°	140.7	41.2	13.7	6.9	0.0	0.0	0.0	0.0	0.0	0.0
68.6	85°	48.1	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.0	87.5°	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
6374.1
3868.4
2265.4
1843.2
1702.5
1572.1
1448.5
1335.2
1225.4
1119.0
1012.6
926.8
854.7
799.8
748.3
707.1
652.2
607.6
576.7
545.8
525.2
508.0
487.4
463.4
422.2
343.2
240.3
202.5
161.3
116.7
65.2
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