

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: P953163

Luminaire Tested: **GALN-SB6D-750-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
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-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54353 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

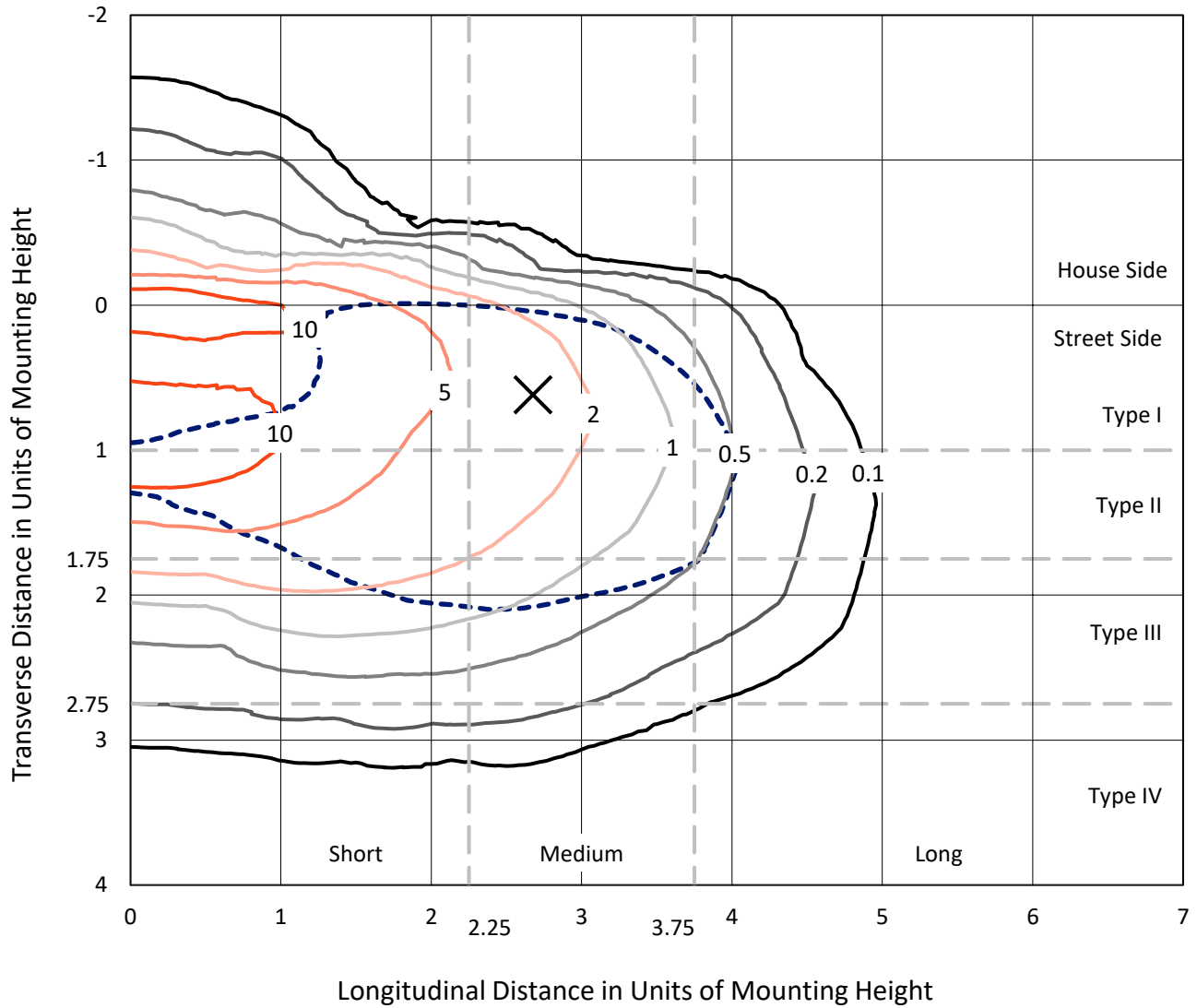
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953163
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Iso-Footcandle Lines of Horizontal Illumination

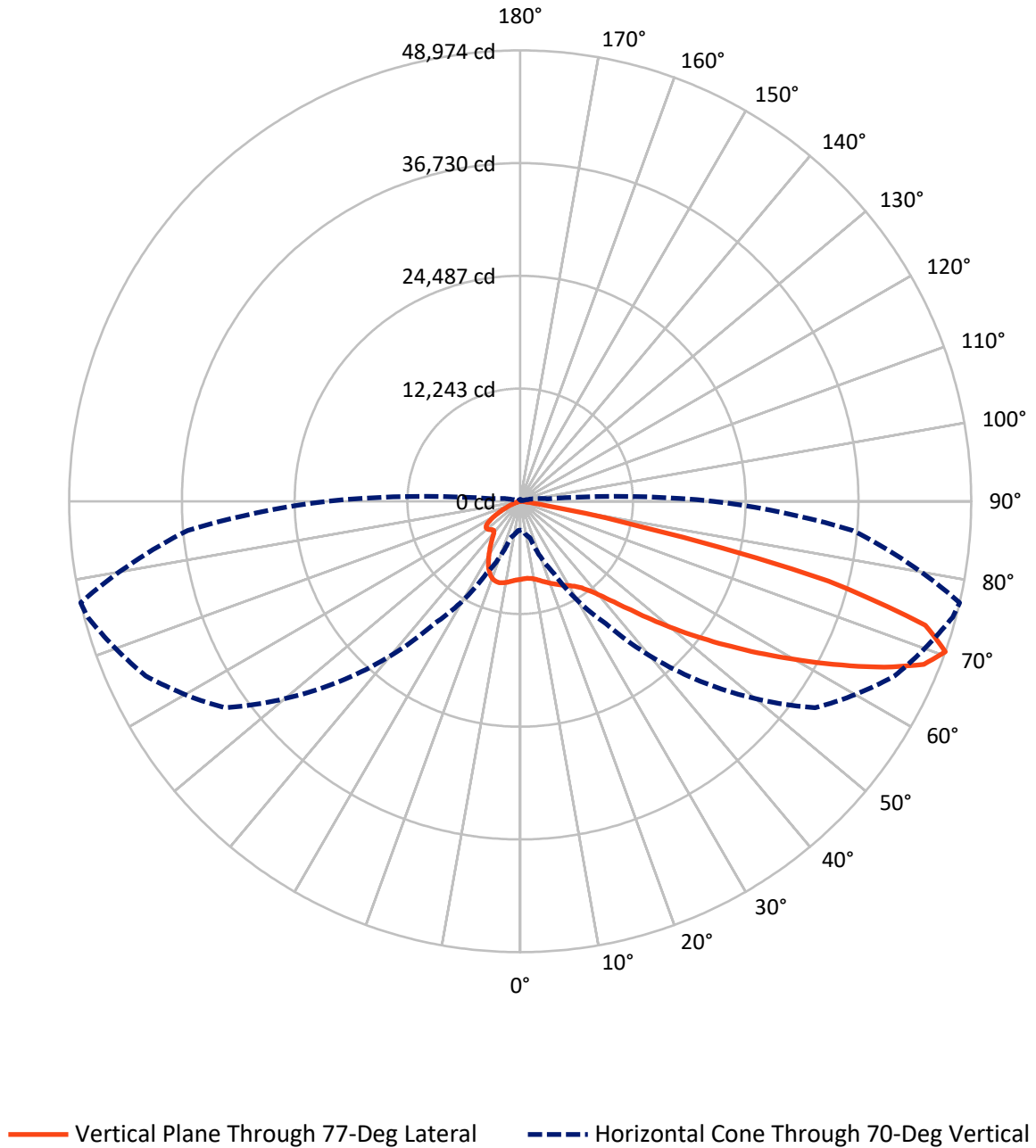
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P953163
CATALOG NUMBER: GALN-SB6D-750-U-T3R-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5729.6	0.0	5729.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	48623.4	0.0	48623.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	54353.0	0.0	54353.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	730.7	1.3
10°-20°	1734.5	3.2
20°-30°	2682.9	4.9
30°-40°	4868.2	9.0
40°-50°	9189.3	16.9
50°-60°	13277.8	24.4
60°-70°	14133.8	26.0
70°-80°	7489.9	13.8
80°-90°	245.9	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°	54353.0	100.0
0°-180°	54353.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953163

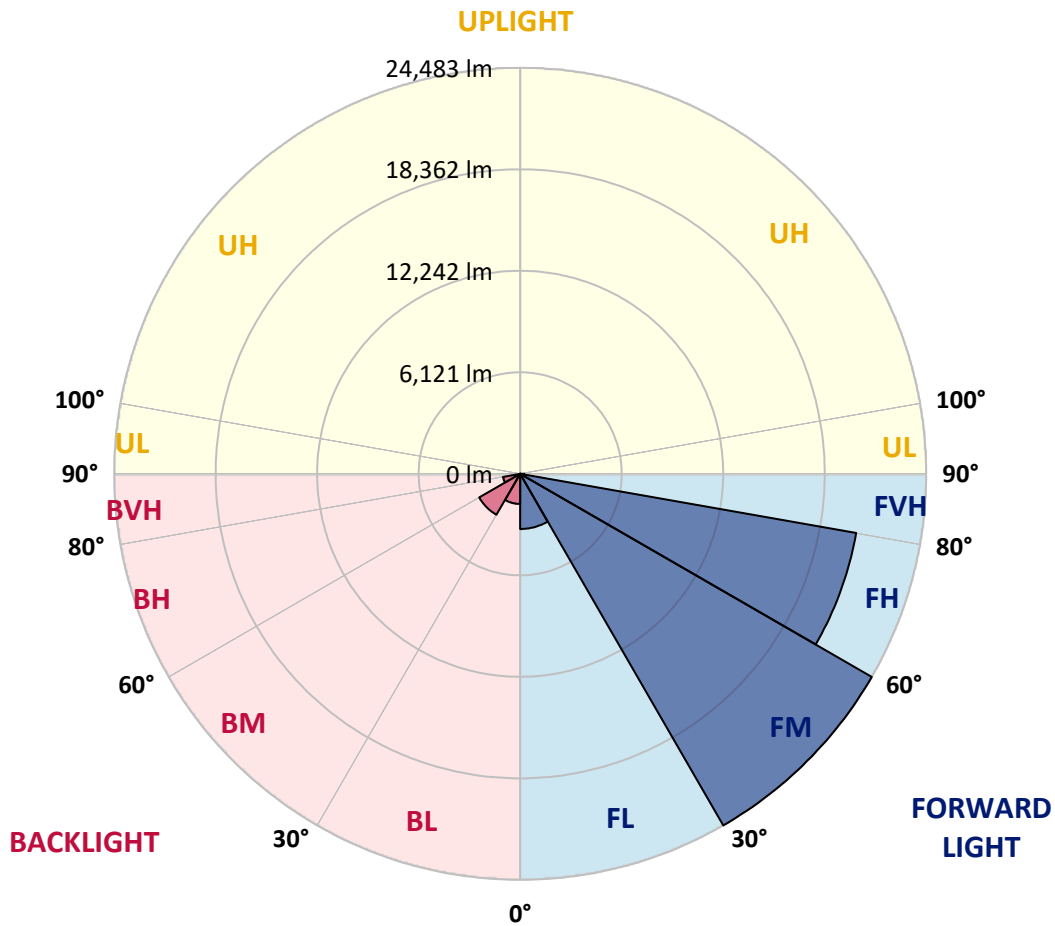
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3327.7	6.1			
FM (30°-60°)	24483.0	45.0			
FH (60°-80°)	20573.4	37.9			G5
FVH (80°-90°)	239.3	0.4			G3/500
BL (0°-30°)	1820.4	3.3	B3/2500		
BM (30°-60°)	2852.2	5.2	B3/5000		
BH (60°-80°)	1050.4	1.9	B3/2500		G3/2500
BVH (80°-90°)	6.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



REPORT NUMBER: P953163
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	8478.1	8478.1	8478.1	8478.1	8478.1	8478.1	8478.1	8478.1	8478.1	8478.1
2.5°	7959.8	8031.9	8021.6	8069.6	8086.8	8155.4	8224.1	8316.8	8419.7	8416.3
5°	7510.1	7582.2	7599.4	7664.6	7747.0	7853.4	7994.1	8179.5	8371.7	8402.6
7.5°	6978.1	7053.6	7098.3	7228.7	7379.7	7599.4	7829.4	8100.5	8419.7	8464.4
10°	6446.1	6514.7	6573.1	6758.4	6998.7	7324.8	7698.9	8090.2	8519.3	8584.5
12.5°	6116.6	6181.8	6247.0	6408.3	6707.0	7105.1	7613.1	8138.3	8684.0	8776.7
15°	5999.9	6058.2	6109.7	6253.9	6531.9	6985.0	7596.0	8237.8	8893.4	9017.0
17.5°	6017.0	6047.9	6082.3	6192.1	6463.3	6930.1	7626.8	8409.4	9140.5	9250.4
20°	6116.6	6133.7	6137.2	6212.7	6453.0	6923.2	7688.6	8574.2	9373.9	9521.5
22.5°	6243.6	6250.4	6243.6	6295.1	6518.2	6974.7	7771.0	8773.3	9634.8	9772.1
25°	6837.4	6707.0	6542.2	6442.7	6628.0	7074.2	7894.6	9041.0	9919.7	10053.6
27.5°	8680.6	8306.5	7716.1	7053.6	6854.5	7218.4	8066.2	9312.2	10208.0	10328.2
30°	11673.7	11182.8	10180.6	8687.5	7582.2	7520.4	8289.3	9583.3	10513.5	10643.9
32.5°	14673.6	14553.5	13396.7	11330.4	9219.5	8193.2	8660.0	9950.6	10918.5	11021.5
35°	17707.9	17464.2	16516.8	14474.5	11742.3	9562.7	9277.8	10431.1	11450.6	11567.3
37.5°	20031.6	19884.0	19297.1	17615.2	14735.4	11677.1	10335.0	11176.0	12222.9	12353.3
40°	22084.2	22015.6	21816.5	20707.8	18082.0	14443.6	11979.2	12329.3	13293.8	13448.2
42.5°	23697.5	23858.8	23972.0	23663.1	21531.6	17601.5	14189.6	13949.4	14786.9	14944.8
45°	25348.4	25403.4	25859.9	26306.1	24957.2	20903.5	16681.6	15847.5	16643.8	16839.5
47.5°	26409.1	26628.7	27431.9	28218.0	27837.0	24178.0	19358.9	18088.9	18796.0	19163.2
50°	26488.0	26903.3	28008.6	29378.1	29934.2	27294.6	22269.6	20642.6	21394.3	21799.3
52.5°	25173.4	25818.7	27531.5	29536.0	31066.9	29934.2	25279.8	23196.3	24160.8	24689.4
55°	19300.5	20144.9	25736.3	28677.9	31111.5	31935.3	28211.1	25856.4	27243.1	27840.4
57.5°	16815.4	17241.1	20234.1	27188.2	30284.3	32741.9	30860.9	28389.6	30596.6	31338.0
60°	13990.6	14550.0	16969.9	24751.2	29161.9	32820.8	33201.8	31657.2	34231.6	35065.6
62.5°	9507.8	10115.4	12521.5	20563.6	27627.6	32783.1	35120.6	35021.0	38271.5	39167.4
65°	5890.0	6271.0	7856.8	16791.4	25482.3	32824.3	37128.5	39105.6	42534.6	43444.2
67.5°	4654.4	4829.4	5656.6	12892.2	21785.6	31897.5	39133.1	42946.5	46547.1	47267.9
70°	3126.9	3233.3	4115.5	8642.8	16207.9	27620.7	39095.3	44875.5	48613.4	48973.8
72.5°	1647.6	1729.9	2406.1	4002.2	9789.3	19633.5	32954.7	42568.9	46557.4	46015.1
75°	823.8	961.1	1620.1	2032.0	4180.7	10949.4	20464.1	33562.2	36644.6	34543.9
77.5°	624.7	755.1	1338.6	1338.6	1455.3	3686.4	8666.9	18305.1	16884.1	14059.2
80°	398.2	514.9	1170.5	1012.6	607.5	937.1	2258.5	5128.0	3586.9	2728.8
82.5°	233.4	336.4	974.8	669.3	339.8	346.7	638.4	1091.5	930.2	724.2
85°	92.7	219.7	669.3	264.3	133.9	85.8	192.2	233.4	192.2	144.2
87.5°	0.0	51.5	116.7	0.0	10.3	6.9	13.7	17.2	17.2	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953163
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8478.1	0°	8478.1	8478.1	8478.1	8478.1	8478.1	8478.1	8478.1	8478.1	8478.1	8478.1
8485.0	2.5°	8515.8	8522.7	8543.3	8546.7	8498.7	8436.9	8412.9	8402.6	8361.4	8358.0
8539.9	5°	8618.8	8649.7	8618.8	8529.6	8316.8	8018.1	7791.6	7606.3	7438.1	7386.6
8728.7	7.5°	8824.8	8855.7	8763.0	8412.9	7877.4	7283.6	6748.1	6370.6	6030.8	5903.8
8958.6	10°	9119.9	9161.1	8869.4	8162.3	7215.0	6260.7	5354.6	4716.2	4218.4	4015.9
9271.0	12.5°	9490.7	9507.8	8927.7	7781.3	6353.4	4990.7	3707.0	3024.0	2581.2	2416.4
9648.5	15°	9899.1	9875.1	8934.6	7263.0	5179.5	3528.5	2419.9	1987.4	1808.9	1754.0
10026.1	17.5°	10328.2	10228.6	8797.3	6514.7	3892.4	2413.0	1795.2	1692.2	1661.3	1647.6
10400.2	20°	10750.4	10527.2	8546.7	5536.5	2794.0	1802.0	1630.4	1599.5	1582.3	1575.5
10777.8	22.5°	11134.8	10753.8	8117.7	4400.4	2028.6	1592.6	1541.2	1513.7	1482.8	1469.1
11145.1	25°	11508.9	10884.2	7513.6	3339.7	1623.5	1489.7	1448.5	1397.0	1355.8	1338.6
11539.8	27.5°	11872.8	10966.6	6758.4	2471.3	1448.5	1393.6	1318.1	1246.0	1215.1	1208.2
11962.0	30°	12260.6	10994.1	5900.3	1843.2	1342.1	1273.4	1163.6	1081.2	1064.1	1067.5
12531.8	32.5°	12734.3	11035.2	5035.4	1510.3	1252.8	1129.3	998.8	913.0	899.3	913.0
13362.4	35°	13300.6	11117.6	4201.3	1390.1	1173.9	981.7	840.9	768.9	755.1	765.4
14426.5	37.5°	14069.5	11251.5	3422.1	1366.1	1108.7	858.1	707.1	648.7	648.7	652.2
15730.8	40°	15092.4	11608.5	2725.3	1348.9	1074.3	765.4	597.2	573.2	583.5	590.4
17392.1	42.5°	16338.3	12367.0	2255.1	1328.3	1036.6	724.2	542.3	532.0	549.2	556.1
19382.9	45°	17735.3	13328.1	2090.3	1294.0	1002.3	751.7	518.3	504.6	525.2	528.6
21614.0	47.5°	19180.4	14268.6	2069.8	1256.3	967.9	792.9	511.4	480.5	504.6	508.0
23996.1	50°	20642.6	14883.0	2090.3	1197.9	913.0	792.9	514.9	456.5	477.1	487.4
26467.4	52.5°	22115.1	15164.4	2076.6	1070.9	816.9	744.8	514.9	435.9	456.5	463.4
29137.8	55°	23543.0	15109.5	1867.2	882.1	693.3	659.0	501.1	418.8	432.5	435.9
31660.7	57.5°	24672.3	14344.1	1479.4	686.5	562.9	549.2	456.5	398.2	408.5	405.0
33974.1	60°	25262.6	12662.2	1057.2	528.6	442.8	432.5	401.6	370.7	377.6	360.4
35934.0	62.5°	25269.5	10438.0	707.1	418.8	353.5	343.2	343.2	332.9	326.1	291.8
37451.2	65°	24730.6	7970.1	470.2	332.9	284.9	267.7	288.3	284.9	260.9	212.8
37914.6	67.5°	23508.7	5224.1	357.0	260.9	219.7	209.4	230.0	240.3	223.1	178.5
36225.8	70°	20996.1	3041.1	295.2	202.5	164.8	154.5	185.4	205.9	185.4	144.2
30963.9	72.5°	17440.1	1640.7	240.3	151.0	113.3	103.0	147.6	168.2	147.6	106.4
19866.9	75°	11316.7	878.7	185.4	99.5	58.4	65.2	109.8	123.6	103.0	68.6
5831.7	77.5°	3799.7	387.9	116.7	48.1	27.5	27.5	65.2	75.5	48.1	24.0
1060.6	80°	847.8	161.3	48.1	20.6	10.3	10.3	13.7	13.7	6.9	0.0
326.1	82.5°	278.0	65.2	20.6	6.9	0.0	0.0	0.0	0.0	0.0	0.0
82.4	85°	106.4	24.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5	87.5°	41.2	3.4	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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180°
8478.1
8364.8
7355.7
5852.3
3930.1
2364.9
1754.0
1644.1
1568.6
1465.6
1331.8
1201.3
1067.5
909.6
762.0
648.7
590.4
556.1
532.0
511.4
490.8
463.4
435.9
405.0
357.0
281.5
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137.3
103.0
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