

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: P953117

Luminaire Tested: **GALN-SB6D-735-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953117
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-735-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 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: 52247 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G5

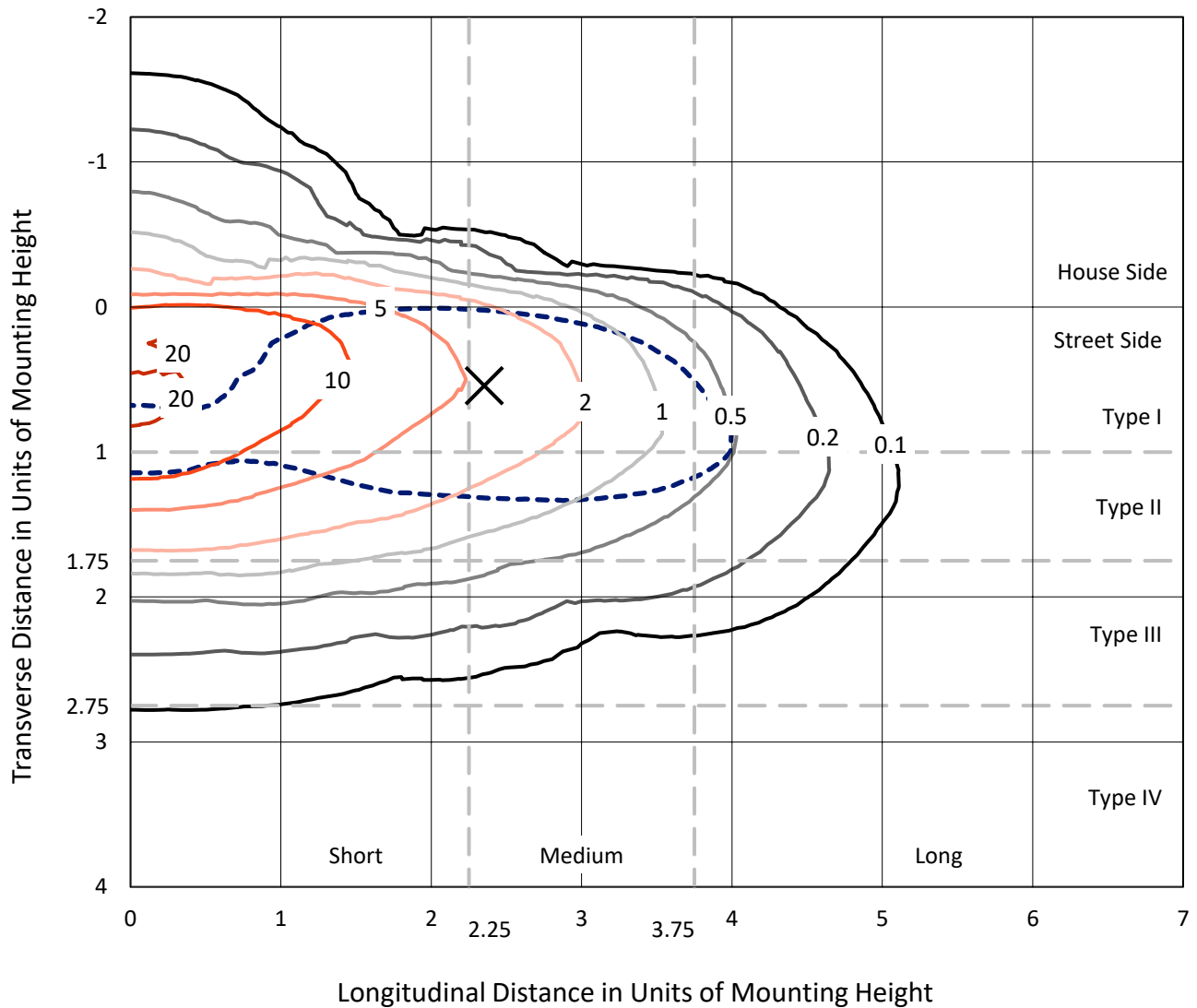
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

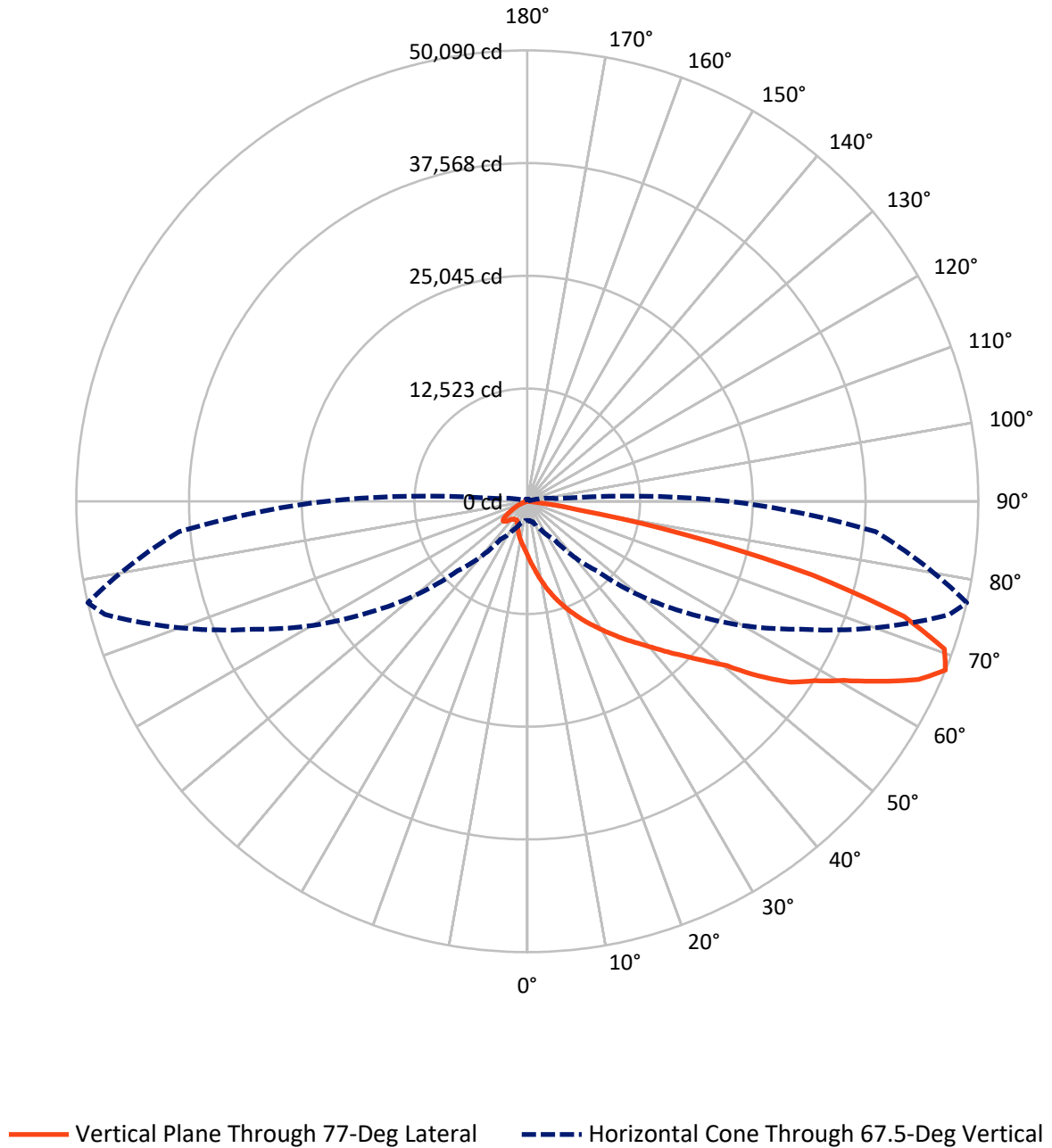
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3843.8	0.0	3843.8
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	48403.2	0.0	48403.2
	% Fixture	92.6	0.0	92.6
Total	Lumens	52247.0	0.0	52247.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.9	1.2
10°-20°	2153.4	4.1
20°-30°	4155.5	8.0
30°-40°	7214.2	13.8
40°-50°	10474.7	20.0
50°-60°	12028.8	23.0
60°-70°	10443.3	20.0
70°-80°	4918.9	9.4
80°-90°	243.3	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°	52247.0	100.0
0°-180°	52247.0	100.0

Coefficient of Utilization



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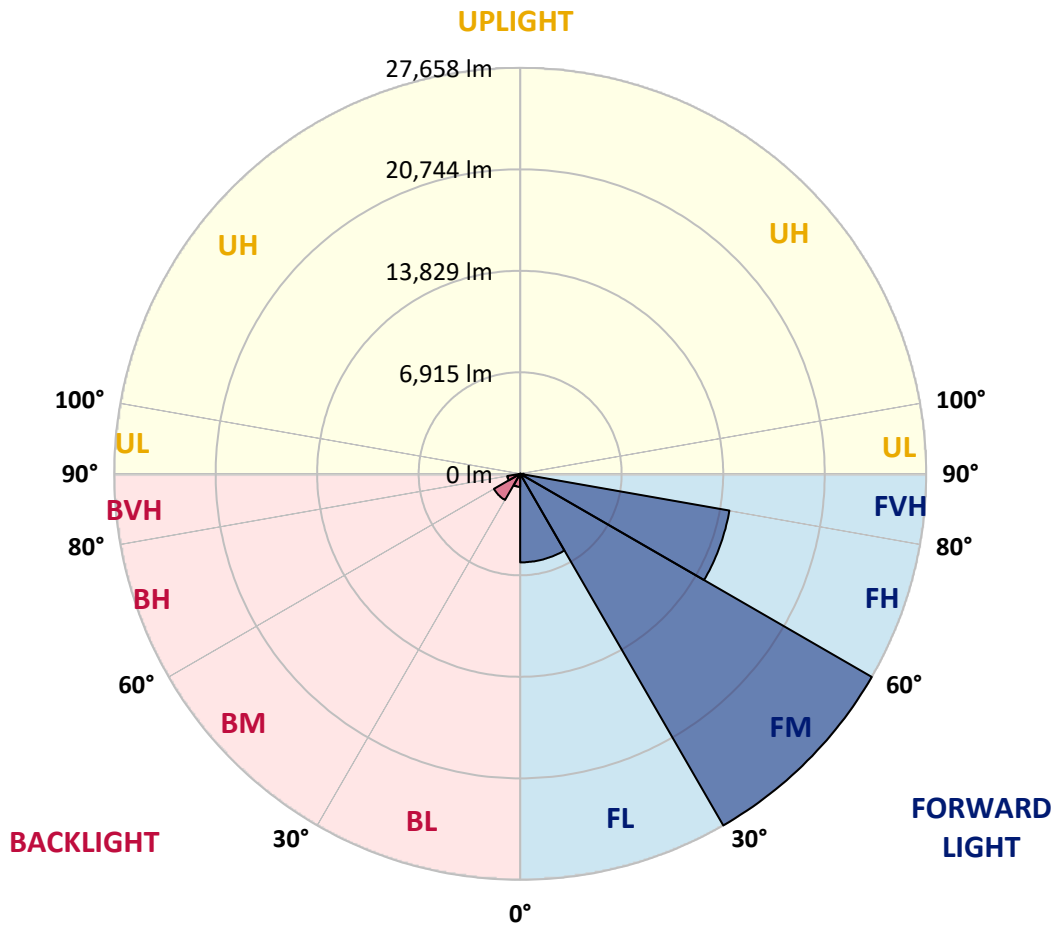
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6034.0	11.5			
FM (30°-60°)	27658.1	52.9			
FH (60°-80°)	14472.3	27.7			G5
FVH (80°-90°)	238.8	0.5			G3/500
BL (0°-30°)	889.9	1.7	B2/1000		
BM (30°-60°)	2059.6	3.9	B2/2500		
BH (60°-80°)	889.9	1.7	B2/1000		G2/1000
BVH (80°-90°)	4.5	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°	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8
2.5°	8341.3	8393.3	8318.6	8175.9	7961.8	7822.2	7481.6	7160.4	6803.5	6689.9
5°	10167.9	10213.4	10129.0	9973.3	9687.8	9415.2	8967.5	8295.9	7598.4	7374.5
7.5°	11520.9	11546.8	11514.4	11371.6	11099.1	10790.9	10291.2	9496.4	8461.4	8214.8
10°	12494.2	12578.5	12568.8	12513.6	12332.0	12082.1	11550.1	10644.9	9428.2	9110.3
12.5°	13139.8	13233.9	13289.1	13412.3	13402.6	13243.6	12776.4	11819.3	10391.8	10018.7
15°	13328.0	13428.6	13639.4	13925.0	14178.0	14259.1	13931.4	12971.1	11452.7	10975.8
17.5°	13220.9	13376.7	13629.7	14080.7	14635.5	15002.1	14966.4	14083.9	12416.3	11871.3
20°	13457.8	13607.0	13804.9	14184.5	14830.1	15495.2	15761.3	15148.1	13373.4	12802.4
22.5°	14768.5	14742.5	14762.0	14823.7	15209.7	15868.4	16416.7	16114.9	14320.8	13736.8
25°	16844.9	16728.1	16530.2	16196.0	16098.7	16416.7	16987.7	16971.4	15320.0	14693.9
27.5°	19226.3	19206.8	18742.9	17938.3	17484.1	17360.8	17633.3	17805.3	16309.6	15641.2
30°	21507.1	21559.0	20932.9	20037.4	19203.6	18720.2	18473.6	18596.9	17315.4	16663.2
32.5°	23492.7	23547.8	22866.5	21818.6	20786.9	20202.9	19683.8	19378.8	18412.0	17701.4
35°	25170.0	25225.2	24443.3	23285.0	22185.2	21656.4	21069.1	20235.3	19515.1	18853.2
37.5°	26669.0	26652.7	25604.8	24436.8	23356.4	22937.9	22629.7	21289.7	20650.6	20011.4
40°	27554.7	27622.8	26727.4	25439.3	24391.4	24086.4	24066.9	22597.2	21961.3	21341.7
42.5°	27814.2	27934.3	27285.4	26227.7	25277.1	24946.2	25455.5	24011.8	23486.2	22882.7
45°	27347.0	27463.8	27168.6	26435.4	25880.6	25666.4	26649.5	25478.3	25114.9	24517.9
47.5°	25984.4	26130.4	26201.8	26046.0	26039.5	26256.9	27720.1	27022.6	27048.5	26438.6
50°	23346.7	23593.3	24248.6	24800.2	25653.5	26724.1	28761.6	28696.7	29228.8	28703.2
52.5°	18551.5	18901.9	21160.0	22668.6	24586.0	26636.5	29906.9	31383.1	33053.9	32285.0
55°	14908.0	14908.0	16744.3	19567.0	22503.1	26059.0	30406.5	33128.5	35659.2	35477.5
57.5°	12153.5	12299.5	13470.7	15965.7	19489.1	24683.4	30714.7	34225.2	37758.3	37625.3
60°	7501.0	7815.8	10028.4	12490.9	16059.8	22233.9	30520.1	35334.7	40305.2	40412.2
62.5°	4224.2	4341.0	5327.3	8987.0	12487.7	18940.8	29030.9	35954.4	43562.5	44016.7
65°	2916.7	2975.1	3354.7	5593.3	8656.1	15080.0	26120.6	35568.3	46826.4	47744.6
67.5°	2118.6	2147.8	2384.6	3416.4	5135.9	10933.6	21559.0	33621.7	48555.7	50090.3
70°	1628.7	1648.2	1820.1	2245.1	3033.5	6748.3	15657.5	29751.1	47303.3	49136.4
72.5°	1323.7	1343.2	1476.2	1661.1	2011.5	3990.6	9489.9	24161.0	41774.9	43754.0
75°	1116.1	1142.0	1262.1	1382.1	1576.8	2563.1	4451.3	16825.4	31415.5	32713.3
77.5°	619.7	571.0	1025.2	1145.3	1330.2	1622.2	2082.9	9901.9	17594.4	17954.5
80°	386.1	399.1	814.3	921.4	1022.0	817.6	953.9	3812.2	6099.5	5794.5
82.5°	22.7	51.9	626.2	665.1	700.8	350.4	360.1	1294.5	1469.7	1349.7
85°	0.0	0.0	285.5	230.4	243.3	100.6	103.8	301.7	197.9	214.1
87.5°	0.0	0.0	0.0	6.5	0.0	9.7	19.5	26.0	9.7	13.0
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°
6024.8	0°	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8	6024.8
6333.1	2.5°	6106.0	5878.8	5418.1	4967.2	4600.6	4259.9	4016.6	3786.2	3669.4	3662.9
6741.9	5°	6290.9	5814.0	4892.6	4078.2	3422.8	2897.2	2556.6	2313.3	2190.0	2147.8
7244.7	7.5°	6550.4	5833.4	4431.8	3299.6	2527.4	2076.4	1881.8	1803.9	1777.9	1748.7
7812.5	10°	6878.1	5878.8	4019.8	2657.2	1992.1	1765.0	1687.1	1654.6	1635.2	1615.7
8451.7	12.5°	7244.7	5921.0	3611.0	2206.2	1752.0	1635.2	1580.0	1541.1	1515.1	1492.4
9107.0	15°	7601.6	5947.0	3186.0	1891.5	1628.7	1534.6	1476.2	1434.0	1398.3	1372.4
9749.4	17.5°	7955.3	5982.7	2786.9	1703.3	1528.1	1434.0	1375.6	1323.7	1294.5	1265.3
10424.3	20°	8347.8	5976.2	2410.6	1570.3	1427.5	1333.4	1271.8	1223.1	1193.9	1161.5
11138.0	22.5°	8711.2	5943.7	2079.7	1456.7	1323.7	1232.9	1164.7	1116.1	1086.9	1060.9
11868.0	25°	9129.7	5917.8	1803.9	1352.9	1226.4	1135.5	1060.9	1015.5	983.1	960.3
12601.2	27.5°	9532.0	5878.8	1602.7	1258.8	1132.3	1044.7	973.3	921.4	892.2	876.0
13357.2	30°	9927.9	5869.1	1528.1	1168.0	1047.9	960.3	889.0	840.3	817.6	811.1
14187.8	32.5°	10404.8	5895.1	1560.6	1135.5	970.1	882.5	814.3	778.7	755.9	755.9
15112.4	35°	10914.2	5888.6	1609.2	1164.7	918.2	804.6	752.7	730.0	707.3	707.3
16137.6	37.5°	11553.3	5898.3	1648.2	1213.4	898.7	739.7	710.5	681.3	668.3	668.3
17260.2	40°	12507.2	6219.5	1628.7	1255.6	892.2	694.3	635.9	626.2	616.4	616.4
18528.8	42.5°	13675.1	6917.1	1654.6	1258.8	889.0	661.9	584.0	603.5	580.7	577.5
19959.5	45°	14953.4	7679.5	1820.1	1190.7	885.7	645.6	558.0	580.7	545.1	545.1
21617.4	47.5°	16222.0	8435.4	1988.8	1093.4	876.0	642.4	535.3	522.3	512.6	515.9
23778.2	50°	17970.7	9051.9	2053.7	960.3	853.3	635.9	493.1	496.4	489.9	496.4
26824.7	52.5°	19875.2	9181.6	1975.8	811.1	788.4	616.4	463.9	476.9	473.7	480.2
28969.2	55°	21062.6	9042.1	1631.9	674.8	687.8	538.6	434.7	460.7	460.7	460.7
31065.1	57.5°	22289.0	8448.4	1158.3	548.3	571.0	441.2	408.8	444.5	441.2	438.0
33589.3	60°	23171.5	7488.1	762.4	451.0	454.2	363.4	379.6	418.5	415.3	399.1
36191.3	62.5°	23830.1	6427.2	489.9	382.8	347.2	327.7	347.2	379.6	366.6	330.9
38397.5	65°	23755.5	4957.4	376.4	327.7	285.5	285.5	301.7	330.9	292.0	233.6
38819.2	67.5°	22370.1	3354.7	311.5	275.8	240.1	236.8	249.8	275.8	249.8	197.9
36658.5	70°	19894.6	2193.2	249.8	214.1	191.4	175.2	201.2	236.8	210.9	159.0
31207.9	72.5°	16147.4	1336.7	188.2	155.7	139.5	113.6	159.0	194.7	168.7	116.8
21701.8	75°	10447.0	681.3	129.8	100.6	74.6	68.1	116.8	146.0	116.8	71.4
9629.4	77.5°	3997.1	285.5	71.4	45.4	38.9	32.4	64.9	87.6	48.7	16.2
1865.5	80°	768.9	120.0	35.7	22.7	19.5	13.0	9.7	6.5	0.0	0.0
330.9	82.5°	133.0	38.9	13.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
64.9	85°	45.4	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.7	87.5°	16.2	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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180°
6024.8
3656.4
2141.3
1742.2
1609.2
1485.9
1369.1
1262.1
1158.3
1057.7
957.1
876.0
807.9
755.9
707.3
668.3
616.4
574.3
545.1
515.9
496.4
480.2
460.7
438.0
399.1
324.4
227.1
191.4
152.5
110.3
61.6
13.0
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