

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: P952791

Luminaire Tested: **GALN-SB6C-750-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-750-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40966 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

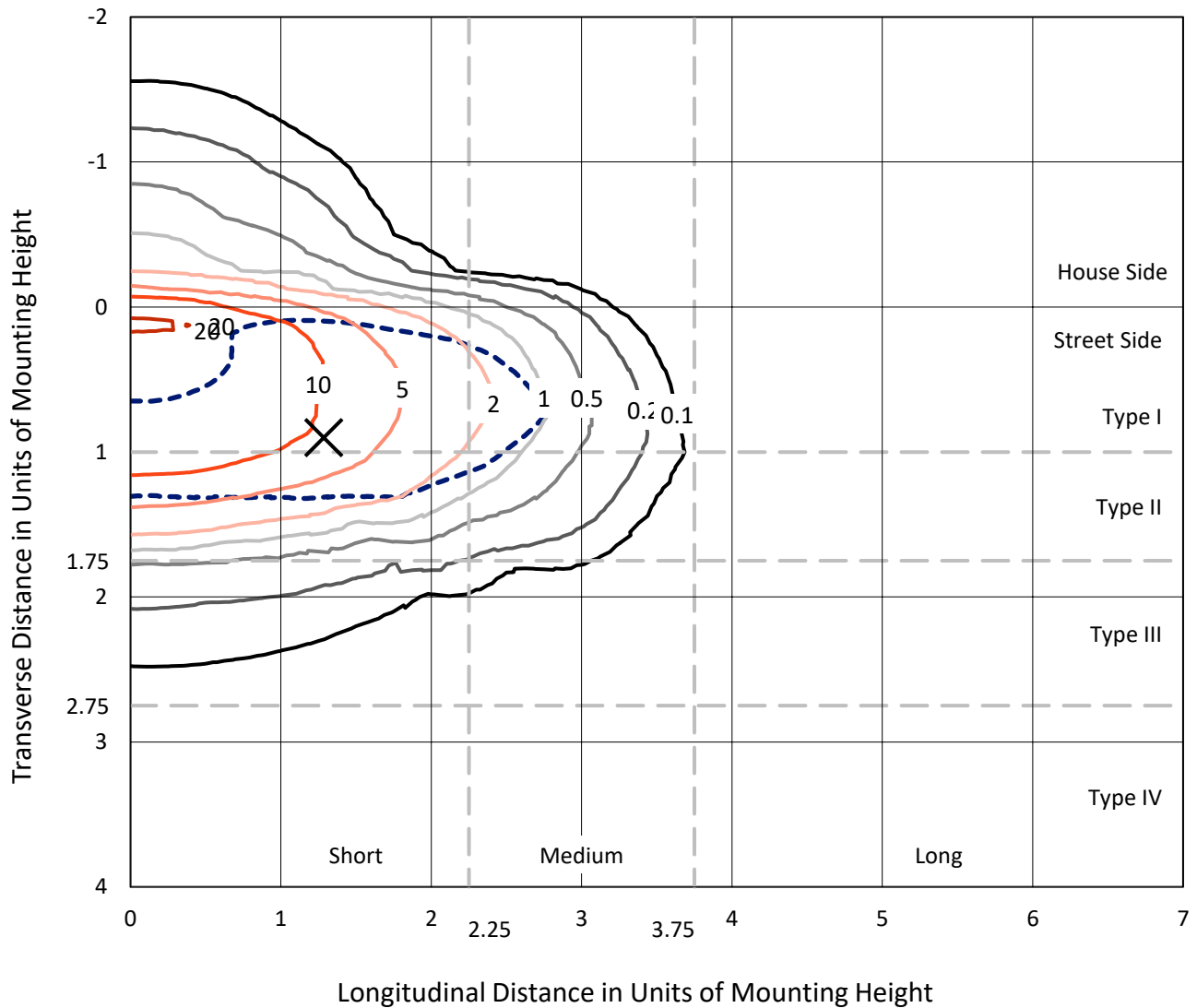
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

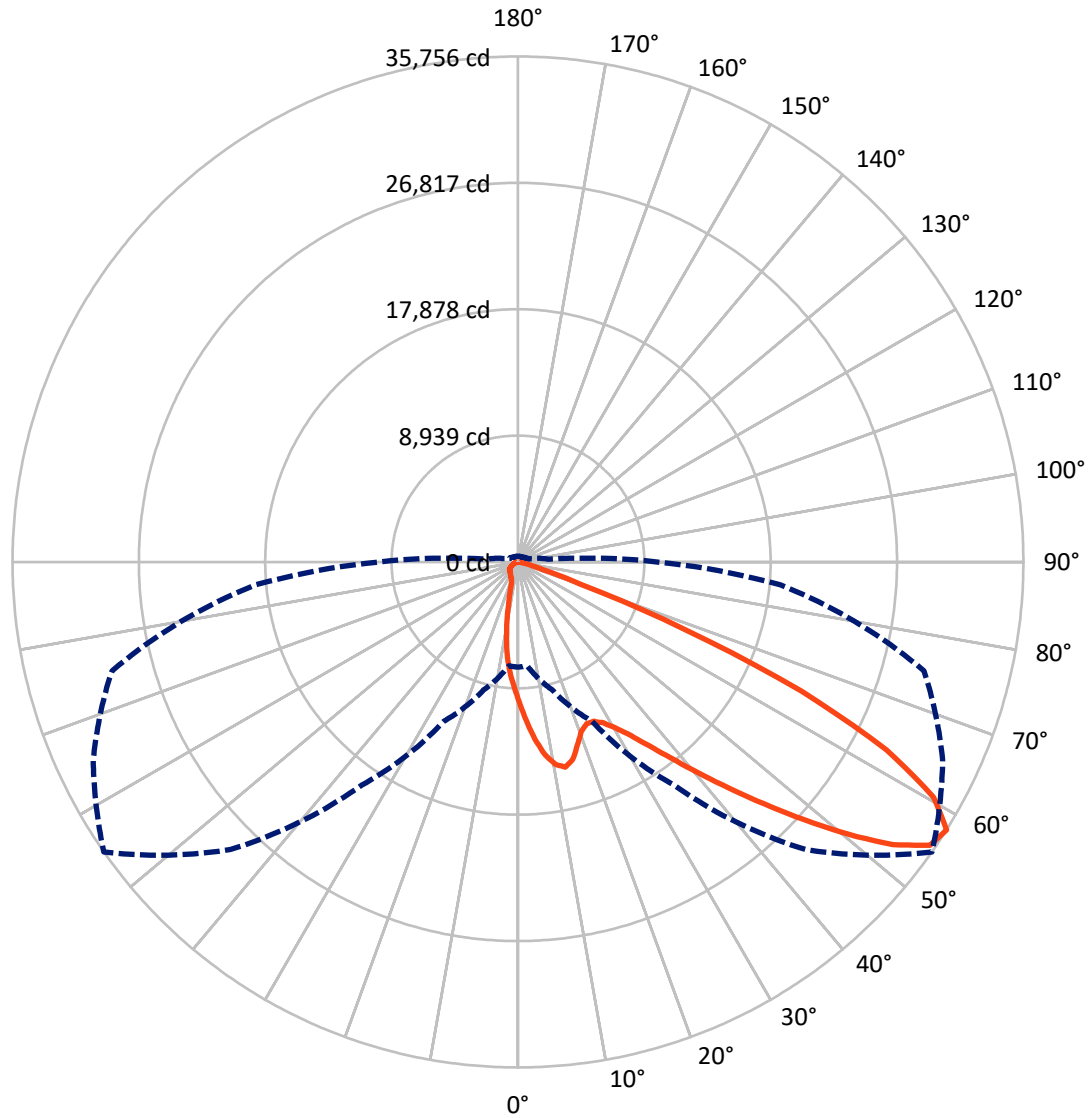
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3199.3	0.0	3199.3
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	37766.7	0.0	37766.7
	% Fixture	92.2	0.0	92.2
Total	Lumens	40966.0	0.0	40966.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	918.5	2.2
10°-20°	2218.7	5.4
20°-30°	3549.9	8.7
30°-40°	6008.4	14.7
40°-50°	9864.4	24.1
50°-60°	10841.7	26.5
60°-70°	6218.8	15.2
70°-80°	1270.7	3.1
80°-90°	75.0	0.2
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°	40966.0	100.0
0°-180°	40966.0	100.0

Coefficient of Utilization



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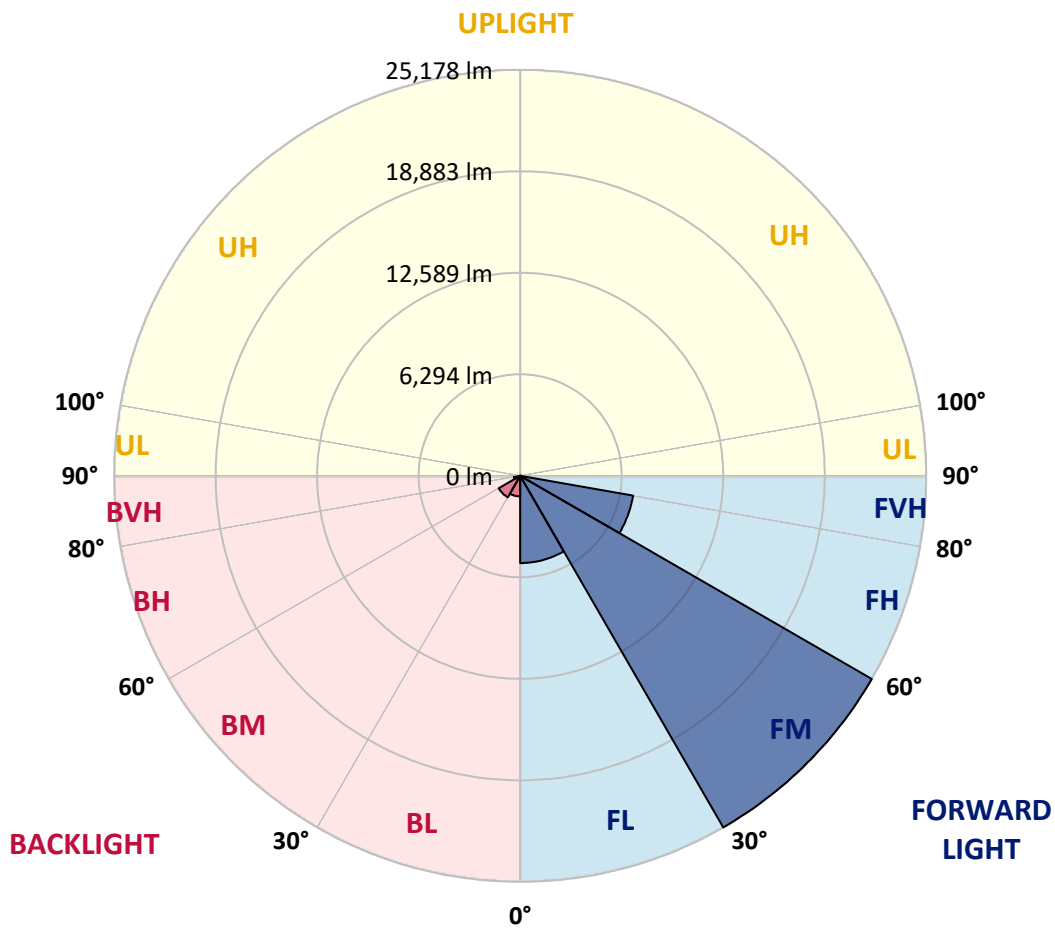
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5409.8	13.2			
FM (30°-60°)	25178.0	61.5			
FH (60°-80°)	7109.0	17.4			G3/7500
FVH (80°-90°)	69.9	0.2			G1/100
BL (0°-30°)	1277.2	3.1	B3/2500		
BM (30°-60°)	1536.5	3.8	B2/2500		
BH (60°-80°)	380.5	0.9	B1/500		G1/500
BVH (80°-90°)	5.1	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9871.8	9871.8	9871.8	9871.8	9871.8	9871.8	9871.8	9871.8	9871.8	9871.8
2.5°	12248.8	12094.7	12072.0	12041.7	11748.7	11528.9	11210.6	10862.0	10470.5	10071.4
5°	14150.9	14029.7	14006.9	13865.5	13532.0	13158.2	12592.4	11877.5	11147.5	10288.6
7.5°	14519.7	14497.0	14600.6	14595.5	14550.0	14254.5	13777.1	12925.8	11829.5	10556.4
10°	12875.3	12933.4	13241.5	13511.8	14241.9	14666.2	14562.7	13860.4	12531.7	10862.0
12.5°	11377.3	11309.1	11528.9	11834.5	12683.3	13946.3	14888.5	14641.0	13335.0	11208.1
15°	10437.6	10409.8	10533.6	10675.1	11321.7	12594.9	14509.6	15275.0	14108.0	11617.3
17.5°	10137.0	10114.3	10152.2	10187.6	10606.9	11592.0	13607.8	15664.0	14848.1	12084.6
20°	10382.1	10351.7	10346.7	10318.9	10493.2	11165.1	12791.9	15691.8	15512.5	12509.0
22.5°	11096.9	11061.6	10937.8	10826.6	10841.8	11223.2	12428.2	15413.9	16012.6	12905.6
25°	12392.8	12334.7	12077.0	11703.2	11465.7	11627.4	12483.7	15047.7	16490.0	13216.3
27.5°	14014.5	13938.7	13607.8	13052.1	12509.0	12312.0	12885.4	14795.1	16886.6	13453.7
30°	15603.4	15504.9	15179.0	14747.1	13953.9	13332.5	13610.3	14906.2	17359.0	13701.3
32.5°	17318.6	17225.1	16793.2	16257.6	15600.9	14764.8	14603.1	15449.3	17937.5	14047.4
35°	19488.5	19342.0	18728.1	17998.1	17300.9	16454.7	15946.9	16386.5	18707.9	14575.3
37.5°	21958.9	21761.9	21100.1	20092.2	19182.8	18235.5	17583.8	17674.8	19837.1	15282.6
40°	24288.0	24108.6	23497.3	22547.5	21405.7	20256.4	19561.7	19359.6	21395.6	16144.0
42.5°	25684.9	25523.2	25265.5	24863.9	23901.5	22729.4	21852.8	21415.8	23239.6	17174.6
45°	25763.2	25621.7	25967.8	26435.1	26245.6	25465.1	24396.6	23595.8	25091.2	18142.1
47.5°	24510.2	24414.3	25465.1	27096.9	27910.3	28238.7	27253.5	25593.9	26619.5	18836.7
50°	21095.0	21059.7	23222.0	26217.9	28544.3	30668.8	30267.1	27453.1	27804.2	19195.4
52.5°	18291.1	18162.3	19422.8	23403.8	27622.3	31946.9	33212.5	29276.9	28632.8	19263.6
55°	13873.1	13759.4	15340.7	18695.3	24649.2	31492.2	35367.2	31158.8	29226.4	19089.3
57.5°	7441.7	7371.0	9369.1	12443.3	19268.7	28764.1	35756.2	33149.3	29726.5	18627.1
60°	2897.4	2884.7	3632.5	6037.3	11710.8	23401.3	33793.5	34344.2	30039.8	18058.7
62.5°	1753.1	1791.0	1912.2	2710.4	5173.3	14537.4	29269.3	32985.1	30249.4	17538.4
65°	1450.0	1452.5	1467.6	1861.7	2478.1	6082.7	22034.7	28514.0	29731.6	16611.3
67.5°	1242.8	1265.6	1323.6	1477.7	1748.0	2667.5	12685.8	22087.8	26581.6	14454.0
70°	980.1	1010.4	1083.7	1215.0	1348.9	1669.7	4688.3	14696.5	20306.9	10894.8
72.5°	826.0	823.5	861.4	987.7	1071.0	1174.6	1803.6	8234.9	11801.7	5201.1
75°	639.1	664.4	712.3	826.0	876.5	851.3	977.6	3008.5	4228.6	1576.3
77.5°	500.2	520.4	563.3	674.5	725.0	603.7	563.3	1076.1	1359.0	565.8
80°	224.8	242.5	384.0	497.6	591.1	416.8	305.7	550.7	603.7	257.7
82.5°	40.4	68.2	224.8	262.7	303.1	270.3	159.1	285.4	295.5	103.6
85°	2.5	5.1	78.3	96.0	121.3	88.4	48.0	113.7	98.5	35.4
87.5°	0.0	0.0	0.0	2.5	2.5	12.6	15.2	20.2	15.2	12.6
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
9871.8	0°	9871.8	9871.8	9871.8	9871.8	9871.8	9871.8	9871.8	9871.8	9871.8	9871.8
9894.5	2.5°	9712.7	9354.0	9005.4	8719.9	8553.2	8270.3	8083.4	8053.0	7974.7	8042.9
9919.8	5°	9525.7	8884.1	8234.9	7653.9	7176.5	6560.1	6100.4	5905.9	5736.7	5794.8
9985.5	7.5°	9437.3	8424.4	7414.0	6421.2	5400.7	4415.5	3683.0	3377.3	3144.9	3177.8
10058.7	10°	9318.6	7946.9	6363.1	4847.5	3480.9	2508.4	2003.2	1816.2	1712.7	1715.2
10167.3	12.5°	9227.7	7376.1	5143.0	3286.4	2119.4	1601.5	1444.9	1399.4	1369.1	1371.6
10331.5	15°	9182.2	6704.1	3938.1	2190.1	1515.6	1356.5	1318.6	1298.4	1278.2	1275.7
10513.4	17.5°	9106.4	5956.4	2882.2	1599.0	1326.2	1270.6	1237.8	1215.0	1189.8	1184.7
10670.0	20°	8992.7	5107.7	2106.7	1351.4	1242.8	1199.9	1154.4	1124.1	1093.8	1088.7
10768.5	22.5°	8783.1	4210.9	1619.2	1250.4	1182.2	1134.2	1078.6	1043.3	1012.9	1007.9
10720.5	25°	8394.1	3369.7	1364.1	1187.2	1129.1	1071.0	1010.4	962.4	934.6	929.6
10617.0	27.5°	7901.5	2647.3	1237.8	1129.1	1060.9	1007.9	939.7	894.2	869.0	863.9
10480.6	30°	7320.5	2038.5	1164.5	1063.5	980.1	934.6	874.0	836.1	821.0	821.0
10384.6	32.5°	6694.0	1629.3	1134.2	997.8	909.4	858.9	810.9	795.7	790.7	788.1
10437.6	35°	6105.5	1414.6	1119.0	944.7	846.2	798.2	778.0	780.5	790.7	790.7
10601.8	37.5°	5582.6	1346.4	1111.5	906.9	790.7	747.7	760.3	783.1	773.0	773.0
10889.8	40°	5110.2	1354.0	1106.4	879.1	745.2	719.9	745.2	727.5	702.2	699.7
11240.9	42.5°	4749.0	1417.1	1096.3	856.3	717.4	699.7	689.6	661.8	659.3	664.4
11604.7	45°	4486.3	1472.7	1093.8	846.2	687.1	654.2	641.6	613.8	664.4	677.0
11753.7	47.5°	4175.6	1472.7	1093.8	810.9	636.6	623.9	603.7	573.4	623.9	636.6
11612.2	50°	3773.9	1379.2	1050.8	770.4	596.1	588.6	553.2	515.3	505.2	512.8
11281.3	52.5°	3266.2	1210.0	942.2	714.9	555.7	540.6	497.6	469.8	462.3	462.3
10687.7	55°	2687.7	1012.9	795.7	634.0	512.8	485.0	454.7	442.1	434.5	429.4
9856.6	57.5°	2185.0	831.1	639.1	563.3	472.4	437.0	426.9	411.7	399.1	391.5
9162.0	60°	1793.5	654.2	527.9	500.2	432.0	399.1	396.6	376.4	343.5	338.5
8588.6	62.5°	1384.3	479.9	444.6	434.5	391.5	363.8	358.7	318.3	267.8	257.7
7775.2	65°	977.6	373.9	358.7	381.4	348.6	323.3	310.7	250.1	197.0	189.5
6507.1	67.5°	687.1	313.2	282.9	333.4	303.1	270.3	262.7	212.2	164.2	159.1
4920.7	70°	490.1	255.1	232.4	285.4	242.5	237.4	222.3	176.8	133.9	128.8
2435.1	72.5°	346.1	194.5	179.3	247.6	166.7	204.6	181.9	136.4	101.0	96.0
828.5	75°	255.1	138.9	126.3	144.0	121.3	154.1	128.8	90.9	63.2	60.6
373.9	77.5°	186.9	88.4	75.8	70.7	70.7	96.0	70.7	37.9	27.8	25.3
189.5	80°	131.4	40.4	35.4	30.3	27.8	22.7	10.1	5.1	2.5	2.5
65.7	82.5°	78.3	17.7	17.7	12.6	7.6	0.0	0.0	0.0	0.0	0.0
25.3	85°	17.7	7.6	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0
10.1	87.5°	2.5	2.5	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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