

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: P952413

Luminaire Tested: **GALN-SB6B-740-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952413
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-SB6B-740-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA 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: 30802 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

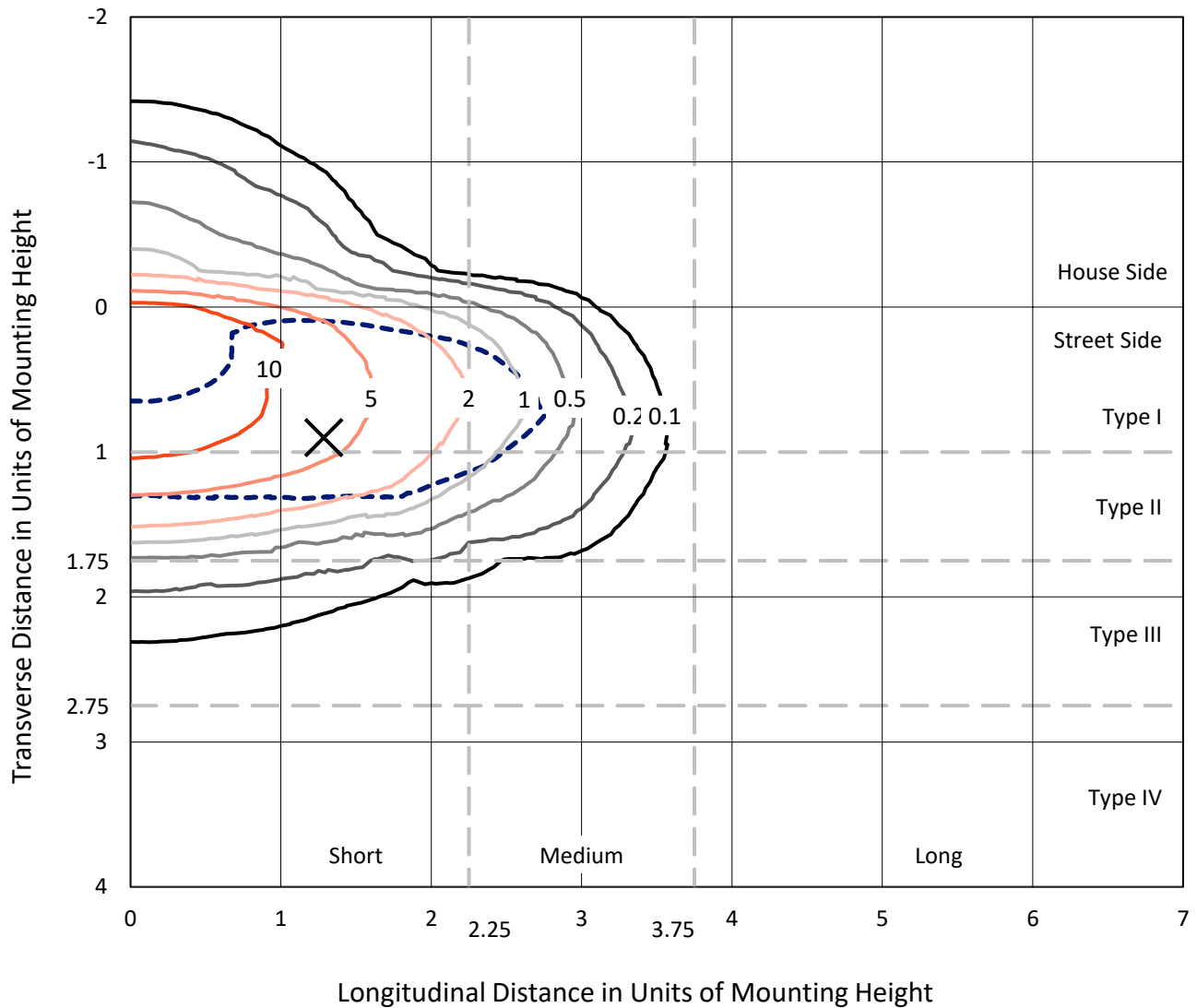
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

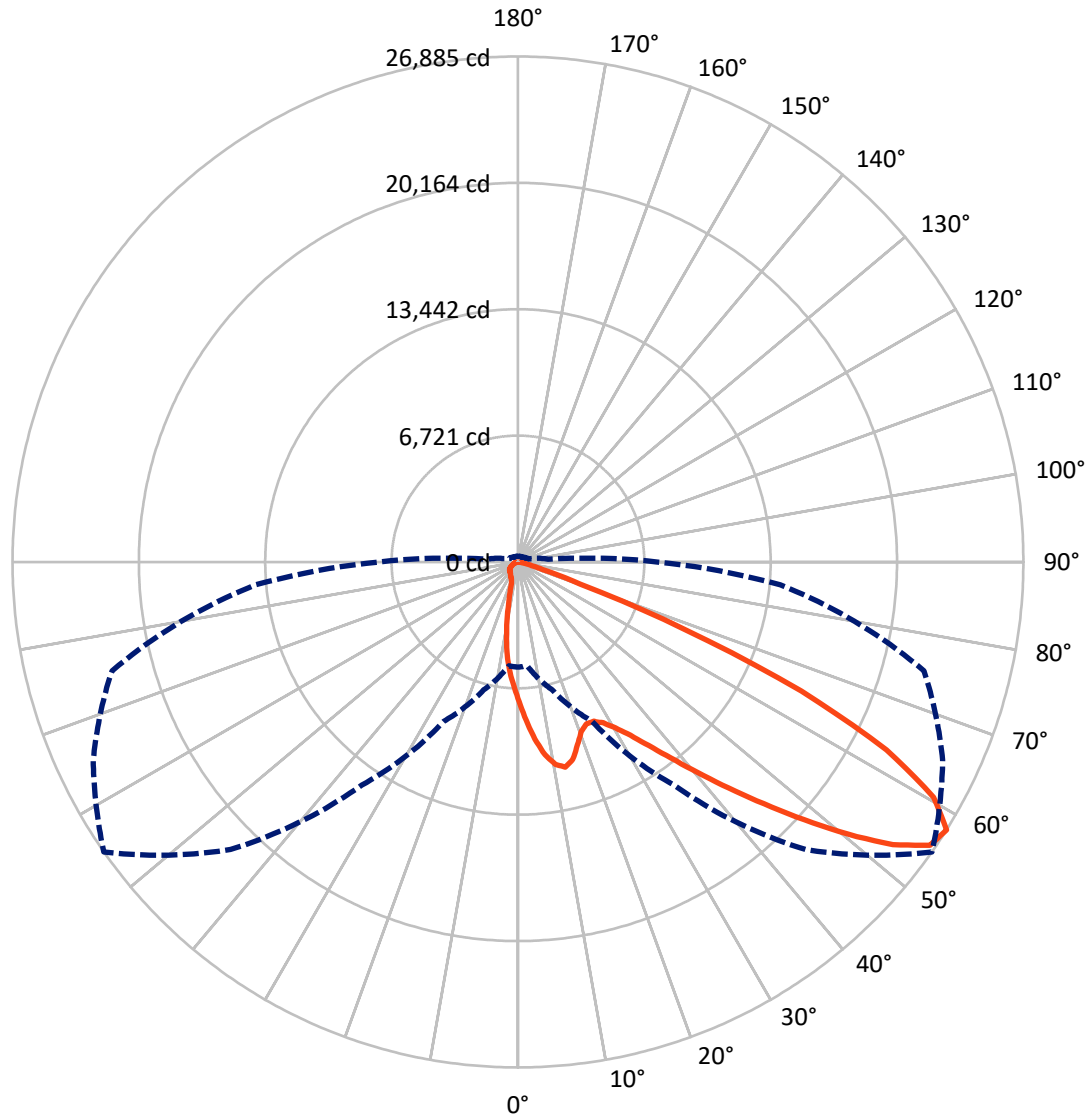
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 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	2405.5	0.0	2405.5
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	28396.5	0.0	28396.5
	% Fixture	92.2	0.0	92.2
Total	Lumens	30802.0	0.0	30802.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.6	2.2
10°-20°	1668.2	5.4
20°-30°	2669.1	8.7
30°-40°	4517.6	14.7
40°-50°	7417.0	24.1
50°-60°	8151.8	26.5
60°-70°	4675.9	15.2
70°-80°	955.4	3.1
80°-90°	56.4	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°	30802.0	100.0
0°-180°	30802.0	100.0

Coefficient of Utilization



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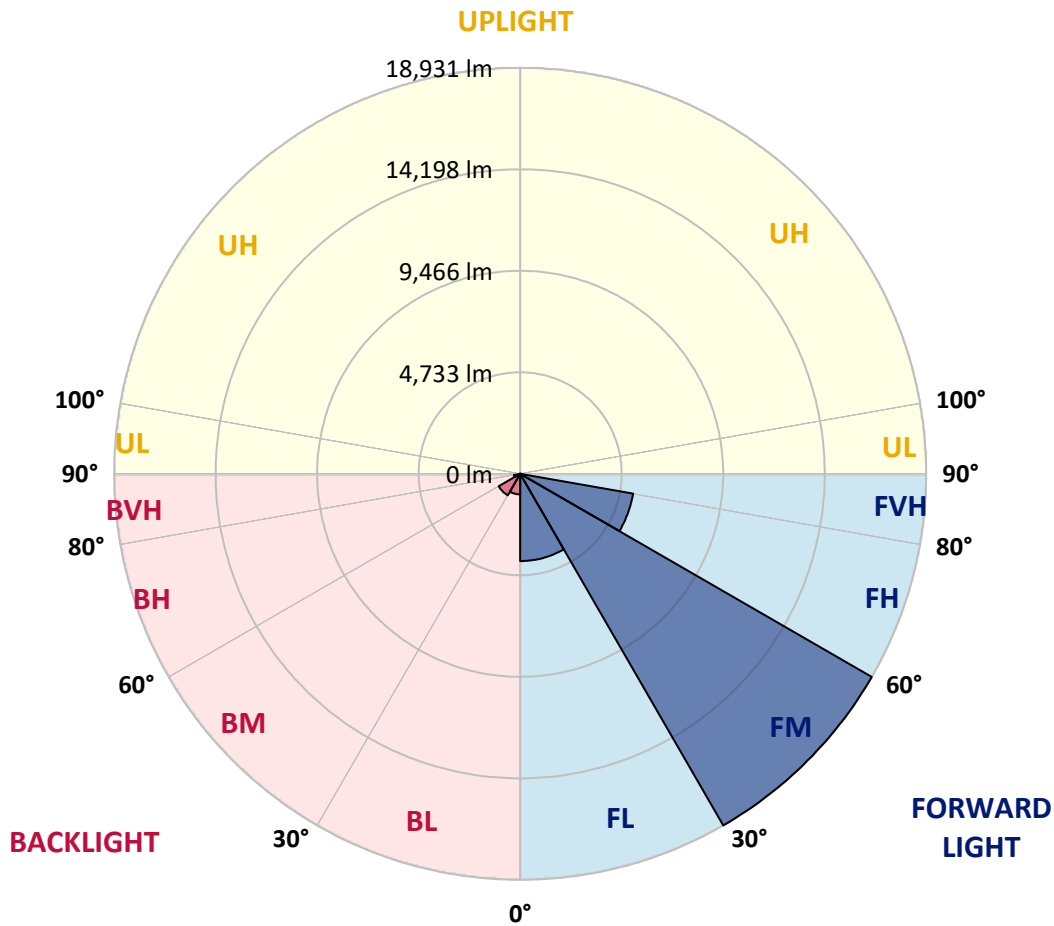
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4067.6	13.2			
FM (30°-60°)	18931.1	61.5			
FH (60°-80°)	5345.2	17.4			G3/7500
FVH (80°-90°)	52.6	0.2			G1/100
BL (0°-30°)	960.3	3.1	B2/1000		
BM (30°-60°)	1155.3	3.8	B2/2500		
BH (60°-80°)	286.1	0.9	B1/500		G1/500
BVH (80°-90°)	3.8	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7422.5	7422.5	7422.5	7422.5	7422.5	7422.5	7422.5	7422.5	7422.5	7422.5
2.5°	9209.8	9093.9	9076.8	9054.0	8833.7	8668.5	8429.2	8167.1	7872.7	7572.6
5°	10640.0	10548.8	10531.7	10425.3	10174.6	9893.5	9468.1	8930.6	8381.7	7735.9
7.5°	10917.3	10900.2	10978.0	10974.2	10940.1	10717.8	10358.9	9718.8	8894.5	7937.2
10°	9680.8	9724.5	9956.2	10159.4	10708.3	11027.4	10949.6	10421.5	9422.5	8167.1
12.5°	8554.5	8503.2	8668.5	8898.3	9536.5	10486.1	11194.6	11008.4	10026.5	8427.3
15°	7848.0	7827.1	7920.1	8026.5	8512.7	9470.0	10909.7	11485.2	10607.7	8734.9
17.5°	7622.0	7604.9	7633.3	7659.9	7975.2	8716.0	10231.6	11777.7	11164.2	9086.3
20°	7806.2	7783.4	7779.6	7758.7	7889.8	8395.0	9618.1	11798.5	11663.7	9405.4
22.5°	8343.7	8317.1	8224.0	8140.5	8151.9	8438.7	9344.6	11589.6	12039.8	9703.6
25°	9318.0	9274.4	9080.6	8799.5	8621.0	8742.5	9386.4	11314.2	12398.7	9937.2
27.5°	10537.4	10480.4	10231.6	9813.8	9405.4	9257.3	9688.4	11124.3	12696.9	10115.8
30°	11732.1	11658.0	11413.0	11088.2	10491.8	10024.6	10233.5	11207.9	13052.1	10301.9
32.5°	13021.7	12951.4	12626.6	12224.0	11730.2	11101.5	10979.9	11616.2	13487.0	10562.1
35°	14653.2	14543.1	14081.5	13532.6	13008.4	12372.1	11990.4	12320.9	14066.3	10959.0
37.5°	16510.7	16362.6	15865.0	15107.2	14423.4	13711.2	13221.1	13289.5	14915.3	11490.9
40°	18261.9	18127.1	17667.4	16953.3	16094.8	15230.6	14708.3	14556.3	16087.2	12138.5
42.5°	19312.2	19190.7	18996.9	18695.0	17971.3	17090.0	16431.0	16102.4	17473.7	12913.4
45°	19371.1	19264.8	19525.0	19876.3	19733.9	19147.0	18343.6	17741.5	18865.9	13640.9
47.5°	18429.1	18356.9	19147.0	20374.0	20985.5	21232.4	20491.7	19243.9	20015.0	14163.2
50°	15861.2	15834.6	17460.4	19713.0	21462.3	23059.6	22757.6	20641.8	20905.8	14432.9
52.5°	13752.9	13656.1	14603.8	17597.2	20769.0	24020.6	24972.2	22013.1	21528.7	14484.2
55°	10431.0	10345.6	11534.5	14056.8	18533.5	23678.8	26592.3	23428.1	21975.1	14353.1
57.5°	5595.4	5542.2	7044.6	9356.0	14488.0	21627.5	26884.8	24924.7	22351.1	14005.5
60°	2178.5	2169.0	2731.2	4539.4	8805.2	17595.3	25409.0	25823.1	22586.7	13578.2
62.5°	1318.1	1346.6	1437.8	2038.0	3889.8	10930.6	22007.4	24801.3	22744.3	13186.9
65°	1090.2	1092.1	1103.5	1399.8	1863.2	4573.6	16567.7	21439.5	22354.9	12489.9
67.5°	934.5	951.6	995.2	1111.1	1314.3	2005.7	9538.4	16607.6	19986.5	10867.9
70°	736.9	759.7	814.8	913.6	1014.2	1255.4	3525.1	11050.2	15268.6	8191.7
72.5°	621.1	619.2	647.7	742.6	805.3	883.2	1356.1	6191.8	8873.6	3910.7
75°	480.5	499.5	535.6	621.1	659.1	640.1	735.0	2262.1	3179.5	1185.2
77.5°	376.1	391.3	423.5	507.1	545.1	453.9	423.5	809.1	1021.8	425.4
80°	169.0	182.3	288.7	374.2	444.4	313.4	229.8	414.1	453.9	193.7
82.5°	30.4	51.3	169.0	197.5	227.9	203.2	119.7	214.6	222.2	77.9
85°	1.9	3.8	58.9	72.2	91.2	66.5	36.1	85.5	74.1	26.6
87.5°	0.0	0.0	0.0	1.9	1.9	9.5	11.4	15.2	11.4	9.5
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°
7422.5	0°	7422.5	7422.5	7422.5	7422.5	7422.5	7422.5	7422.5	7422.5	7422.5	7422.5
7439.6	2.5°	7302.9	7033.2	6771.1	6556.4	6431.1	6218.4	6077.8	6055.0	5996.1	6047.4
7458.6	5°	7162.3	6679.9	6191.8	5754.9	5396.0	4932.5	4586.8	4440.6	4313.3	4357.0
7508.0	7.5°	7095.8	6334.2	5574.5	4828.1	4060.7	3320.0	2769.2	2539.4	2364.6	2389.3
7563.1	10°	7006.6	5975.2	4784.4	3644.8	2617.3	1886.0	1506.2	1365.6	1287.7	1289.6
7644.7	12.5°	6938.2	5546.0	3867.0	2471.0	1593.5	1204.2	1086.4	1052.2	1029.4	1031.3
7768.2	15°	6904.0	5040.8	2961.0	1646.7	1139.6	1019.9	991.4	976.2	961.1	959.2
7904.9	17.5°	6847.0	4478.6	2167.1	1202.3	997.1	955.4	930.7	913.6	894.6	890.8
8022.7	20°	6761.6	3840.4	1584.0	1016.1	934.5	902.2	868.0	845.2	822.4	818.6
8096.8	22.5°	6603.9	3166.2	1217.5	940.2	888.9	852.8	811.0	784.4	761.6	757.8
8060.7	25°	6311.4	2533.7	1025.6	892.7	849.0	805.3	759.7	723.6	702.7	698.9
7982.8	27.5°	5941.1	1990.5	930.7	849.0	797.7	757.8	706.5	672.4	653.4	649.6
7880.3	30°	5504.2	1532.7	875.6	799.6	736.9	702.7	657.2	628.7	617.3	617.3
7808.1	32.5°	5033.2	1225.1	852.8	750.2	683.8	645.8	609.7	598.3	594.5	592.6
7848.0	35°	4590.6	1063.6	841.4	710.3	636.3	600.2	585.0	586.9	594.5	594.5
7971.4	37.5°	4197.5	1012.3	835.7	681.9	594.5	562.2	571.7	588.8	581.2	581.2
8187.9	40°	3842.3	1018.0	831.9	661.0	560.3	541.3	560.3	547.0	528.0	526.1
8452.0	42.5°	3570.7	1065.5	824.3	643.9	539.4	526.1	518.5	497.6	495.7	499.5
8725.5	45°	3373.2	1107.3	822.4	636.3	516.6	491.9	482.4	461.5	499.5	509.0
8837.5	47.5°	3139.6	1107.3	822.4	609.7	478.6	469.1	453.9	431.1	469.1	478.6
8731.2	50°	2837.6	1037.0	790.1	579.3	448.2	442.5	415.9	387.5	379.9	385.6
8482.3	52.5°	2455.8	909.8	708.4	537.5	417.8	406.5	374.2	353.3	347.6	347.6
8036.0	55°	2020.9	761.6	598.3	476.7	385.6	364.7	341.9	332.4	326.7	322.9
7411.1	57.5°	1642.9	624.9	480.5	423.5	355.2	328.6	321.0	309.6	300.1	294.4
6888.8	60°	1348.5	491.9	397.0	376.1	324.8	300.1	298.2	283.0	258.3	254.5
6457.7	62.5°	1040.8	360.9	334.3	326.7	294.4	273.5	269.7	239.3	201.3	193.7
5846.1	65°	735.0	281.1	269.7	286.8	262.1	243.1	233.6	188.0	148.1	142.4
4892.6	67.5°	516.6	235.5	212.7	250.7	227.9	203.2	197.5	159.5	123.5	119.7
3699.9	70°	368.5	191.8	174.7	214.6	182.3	178.5	167.1	133.0	100.7	96.9
1830.9	72.5°	260.2	146.2	134.9	186.1	125.4	153.8	136.8	102.6	76.0	72.2
623.0	75°	191.8	104.5	95.0	108.3	91.2	115.9	96.9	68.4	47.5	45.6
281.1	77.5°	140.5	66.5	57.0	53.2	53.2	72.2	53.2	28.5	20.9	19.0
142.4	80°	98.8	30.4	26.6	22.8	20.9	17.1	7.6	3.8	1.9	1.9
49.4	82.5°	58.9	13.3	13.3	9.5	5.7	0.0	0.0	0.0	0.0	0.0
19.0	85°	13.3	5.7	5.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
7.6	87.5°	1.9	1.9	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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