

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: P952581

Luminaire Tested: **GALN-SB6B-927-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952581
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-927-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 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: 17722 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

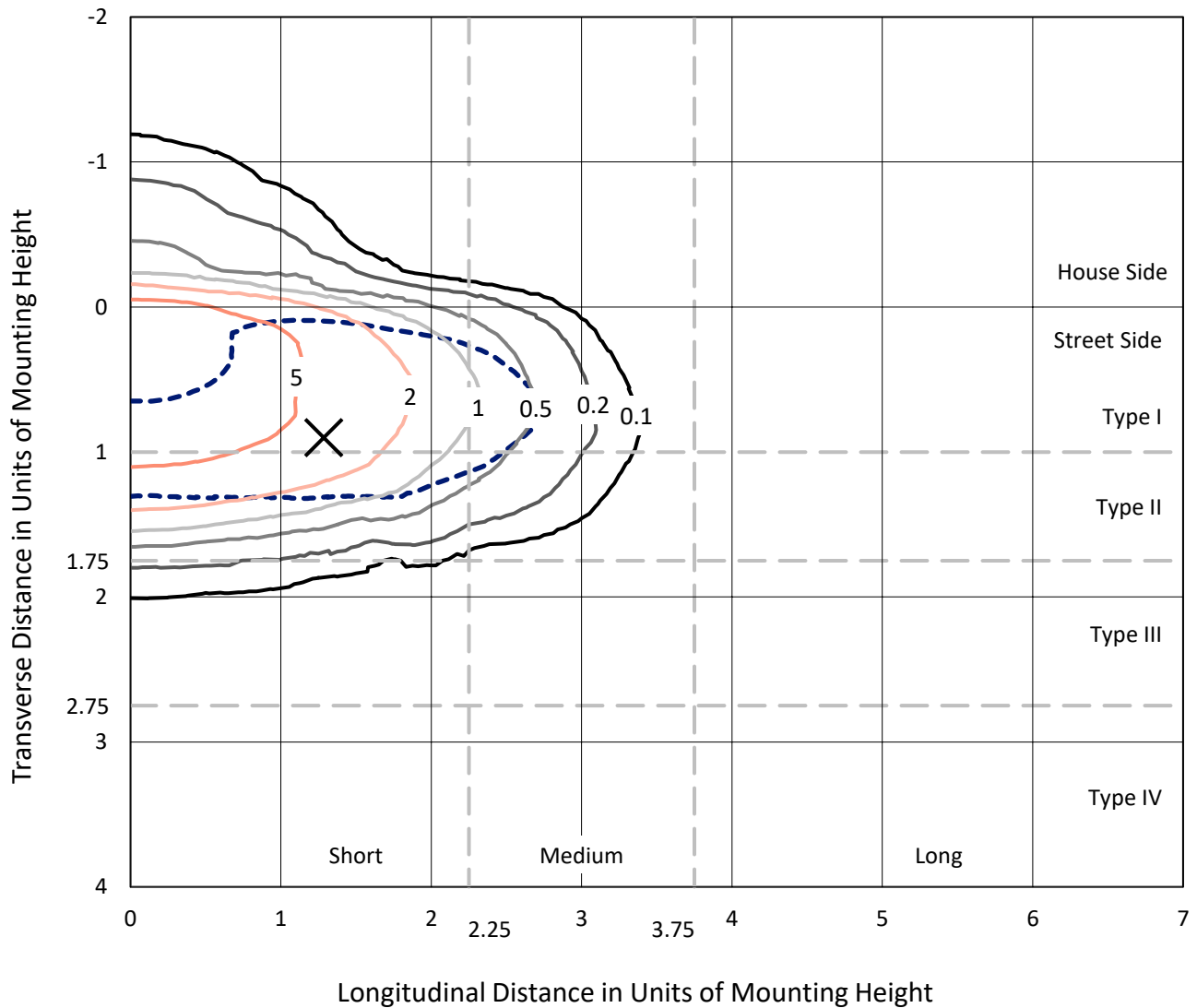
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

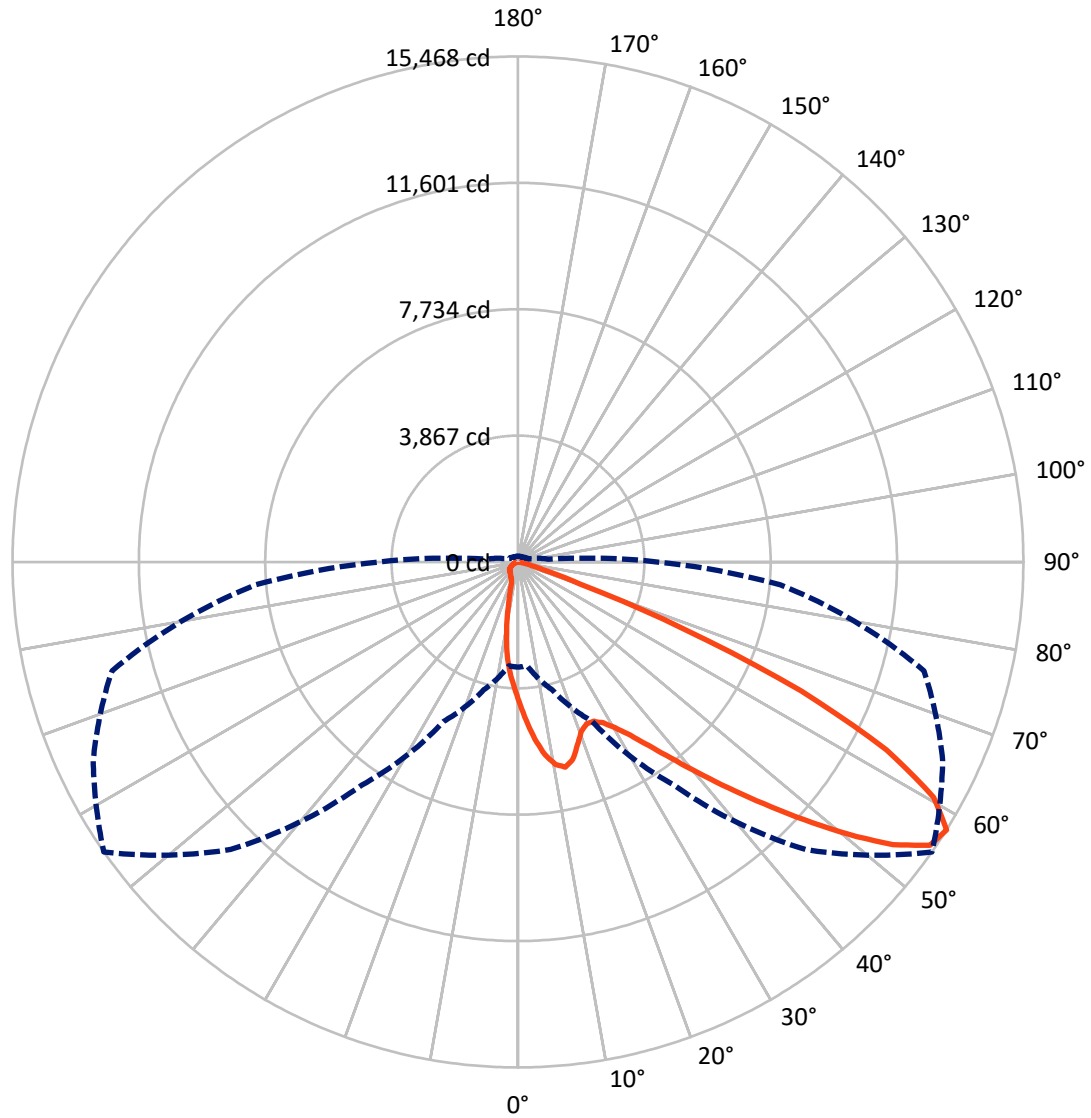
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	1384.0	0.0	1384.0
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	16338.0	0.0	16338.0
	% Fixture	92.2	0.0	92.2
Total	Lumens	17722.0	0.0	17722.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.4	2.2
10°-20°	959.8	5.4
20°-30°	1535.7	8.7
30°-40°	2599.2	14.7
40°-50°	4267.4	24.1
50°-60°	4690.2	26.5
60°-70°	2690.3	15.2
70°-80°	549.7	3.1
80°-90°	32.4	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°	17722.0	100.0
0°-180°	17722.0	100.0

Coefficient of Utilization



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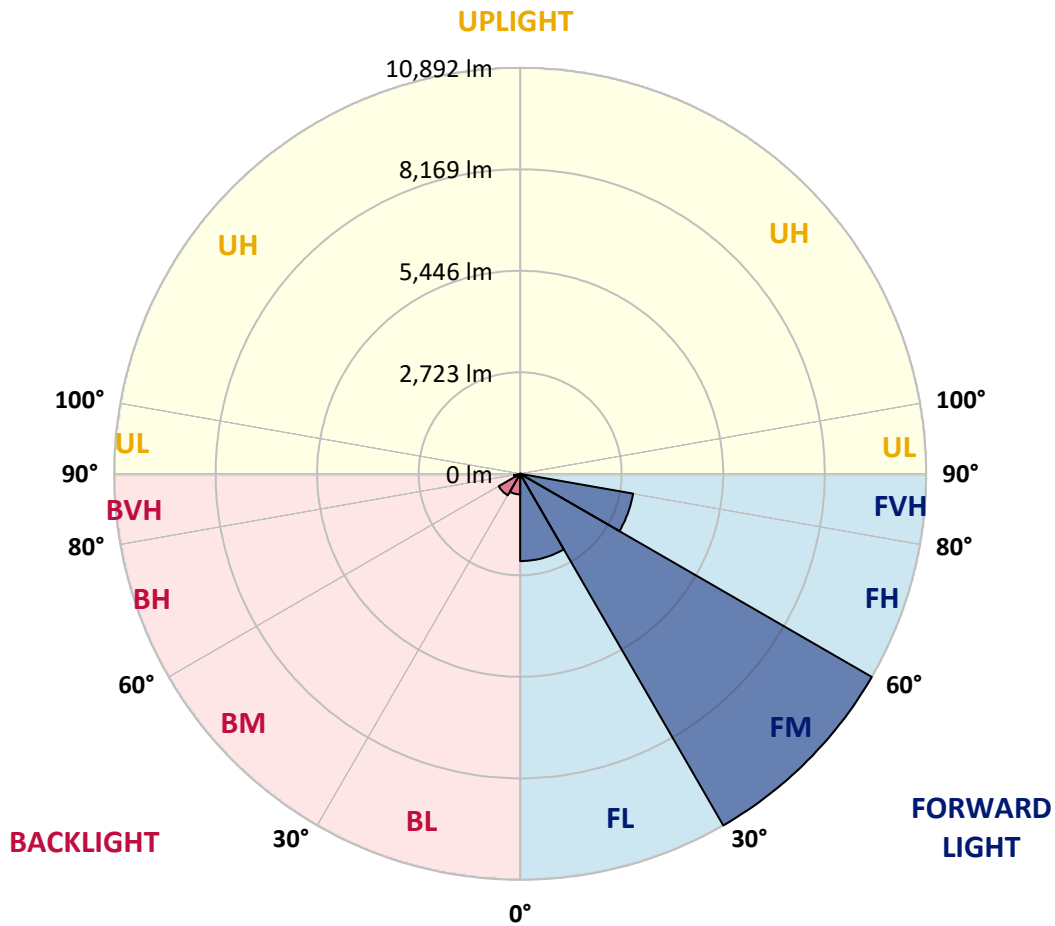
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2340.3	13.2			
FM (30°-60°)	10892.1	61.5			
FH (60°-80°)	3075.4	17.4			G2/5000
FVH (80°-90°)	30.2	0.2			G1/100
BL (0°-30°)	552.5	3.1	B2/1000		
BM (30°-60°)	664.7	3.8	B1/1000		
BH (60°-80°)	164.6	0.9	B1/500		G1/500
BVH (80°-90°)	2.2	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4270.6	4270.6	4270.6	4270.6	4270.6	4270.6	4270.6	4270.6	4270.6	4270.6
2.5°	5298.9	5232.2	5222.4	5209.3	5082.5	4987.4	4849.7	4698.9	4529.6	4356.9
5°	6121.7	6069.3	6059.4	5998.2	5854.0	5692.3	5447.5	5138.2	4822.4	4450.9
7.5°	6281.3	6271.4	6316.2	6314.1	6294.4	6166.5	5960.0	5591.7	5117.5	4566.7
10°	5569.9	5595.0	5728.3	5845.3	6161.1	6344.7	6299.8	5996.1	5421.3	4698.9
12.5°	4921.9	4892.4	4987.4	5119.7	5486.8	6033.2	6440.8	6333.7	5768.8	4848.6
15°	4515.3	4503.3	4556.9	4618.1	4897.8	5448.6	6276.9	6608.0	6103.1	5025.7
17.5°	4385.3	4375.5	4391.9	4407.2	4588.6	5014.7	5886.8	6776.3	6423.3	5227.8
20°	4491.3	4478.2	4476.0	4464.0	4539.4	4830.1	5533.8	6788.3	6710.7	5411.4
22.5°	4800.6	4785.3	4731.7	4683.6	4690.2	4855.2	5376.5	6668.1	6927.1	5583.0
25°	5361.2	5336.0	5224.6	5062.8	4960.1	5030.0	5400.5	6509.7	7133.6	5717.4
27.5°	6062.7	6029.9	5886.8	5646.4	5411.4	5326.2	5574.2	6400.4	7305.2	5820.1
30°	6750.1	6707.5	6566.5	6379.6	6036.5	5767.7	5887.9	6448.5	7509.6	5927.2
32.5°	7492.1	7451.6	7264.8	7033.1	6749.0	6387.3	6317.3	6683.4	7759.8	6076.9
35°	8430.8	8367.4	8101.8	7786.0	7484.4	7118.3	6898.7	7088.8	8093.1	6305.3
37.5°	9499.5	9414.3	9128.0	8691.9	8298.5	7888.7	7606.8	7646.1	8581.6	6611.3
40°	10507.0	10429.4	10165.0	9754.1	9260.2	8763.0	8462.5	8375.0	9255.8	6983.9
42.5°	11111.3	11041.4	10929.9	10756.2	10339.8	9832.8	9453.6	9264.5	10053.5	7429.8
45°	11145.2	11084.0	11233.7	11435.9	11353.9	11016.3	10554.0	10207.6	10854.5	7848.3
47.5°	10603.2	10561.7	11016.3	11722.2	12074.1	12216.1	11790.0	11072.0	11515.7	8148.8
50°	9125.8	9110.5	10045.9	11341.9	12348.4	13267.4	13093.6	11876.3	12028.2	8304.0
52.5°	7912.8	7857.1	8402.3	10124.6	11949.5	13820.3	14367.8	12665.3	12386.6	8333.5
55°	6001.5	5952.3	6636.4	8087.6	10663.3	13623.6	15299.9	13479.4	12643.4	8258.1
57.5°	3219.3	3188.7	4053.1	5383.0	8335.7	12443.4	15468.2	14340.5	12859.8	8058.1
60°	1253.4	1247.9	1571.4	2611.7	5066.1	10123.5	14619.1	14857.4	12995.3	7812.2
62.5°	758.4	774.8	827.2	1172.5	2238.0	6288.9	12662.0	14269.5	13086.0	7587.1
65°	627.3	628.3	634.9	805.4	1072.0	2631.4	9532.3	12335.2	12862.0	7186.1
67.5°	537.6	547.5	572.6	639.3	756.2	1154.0	5487.9	9555.2	11499.3	6252.9
70°	424.0	437.1	468.8	525.6	583.5	722.3	2028.2	6357.8	8784.8	4713.1
72.5°	357.3	356.2	372.6	427.3	463.3	508.1	780.2	3562.4	5105.4	2250.0
75°	276.5	287.4	308.2	357.3	379.2	368.3	422.9	1301.5	1829.3	681.9
77.5°	216.4	225.1	243.7	291.8	313.6	261.2	243.7	465.5	587.9	244.8
80°	97.3	104.9	166.1	215.3	255.7	180.3	132.2	238.2	261.2	111.5
82.5°	17.5	29.5	97.3	113.6	131.1	116.9	68.8	123.5	127.9	44.8
85°	1.1	2.2	33.9	41.5	52.5	38.2	20.8	49.2	42.6	15.3
87.5°	0.0	0.0	0.0	1.1	1.1	5.5	6.6	8.7	6.6	5.5
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°
4270.6	0°	4270.6	4270.6	4270.6	4270.6	4270.6	4270.6	4270.6	4270.6	4270.6	4270.6
4280.4	2.5°	4201.7	4046.5	3895.7	3772.3	3700.1	3577.7	3496.9	3483.8	3449.9	3479.4
4291.3	5°	4120.9	3843.3	3562.4	3311.1	3104.6	2837.9	2639.1	2554.9	2481.7	2506.8
4319.7	7.5°	4082.6	3644.4	3207.3	2777.8	2336.4	1910.2	1593.3	1461.0	1360.5	1374.7
4351.4	10°	4031.2	3437.9	2752.7	2097.0	1505.8	1085.1	866.6	785.7	740.9	742.0
4398.4	12.5°	3991.9	3190.9	2224.9	1421.7	916.8	692.8	625.1	605.4	592.3	593.4
4469.5	15°	3972.2	2900.2	1703.6	947.4	655.7	586.8	570.4	561.7	552.9	551.9
4548.1	17.5°	3939.5	2576.8	1246.9	691.7	573.7	549.7	535.5	525.6	514.7	512.5
4615.9	20°	3890.3	2209.6	911.4	584.6	537.6	519.1	499.4	486.3	473.2	471.0
4658.5	22.5°	3799.6	1821.7	700.5	540.9	511.4	490.7	466.6	451.3	438.2	436.0
4637.7	25°	3631.3	1457.8	590.1	513.6	488.5	463.3	437.1	416.3	404.3	402.1
4592.9	27.5°	3418.2	1145.2	535.5	488.5	459.0	436.0	406.5	386.8	375.9	373.7
4533.9	30°	3166.9	881.9	503.8	460.1	424.0	404.3	378.1	361.7	355.2	355.2
4492.4	32.5°	2895.9	704.8	490.7	431.6	393.4	371.5	350.8	344.2	342.0	340.9
4515.3	35°	2641.2	612.0	484.1	408.7	366.1	345.3	336.6	337.7	342.0	342.0
4586.4	37.5°	2415.0	582.4	480.8	392.3	342.0	323.5	328.9	338.8	334.4	334.4
4711.0	40°	2210.7	585.7	478.6	380.3	322.4	311.4	322.4	314.7	303.8	302.7
4862.8	42.5°	2054.4	613.0	474.3	370.5	310.3	302.7	298.3	286.3	285.2	287.4
5020.2	45°	1940.8	637.1	473.2	366.1	297.2	283.0	277.6	265.5	287.4	292.9
5084.7	47.5°	1806.4	637.1	473.2	350.8	275.4	269.9	261.2	248.1	269.9	275.4
5023.5	50°	1632.6	596.7	454.6	333.3	257.9	254.6	239.3	222.9	218.6	221.8
4880.3	52.5°	1413.0	523.4	407.6	309.3	240.4	233.9	215.3	203.3	200.0	200.0
4623.5	55°	1162.7	438.2	344.2	274.3	221.8	209.8	196.7	191.2	188.0	185.8
4264.0	57.5°	945.3	359.5	276.5	243.7	204.3	189.1	184.7	178.1	172.7	169.4
3963.5	60°	775.9	283.0	228.4	216.4	186.9	172.7	171.6	162.8	148.6	146.4
3715.4	62.5°	598.8	207.6	192.3	188.0	169.4	157.4	155.2	137.7	115.8	111.5
3363.6	65°	422.9	161.7	155.2	165.0	150.8	139.9	134.4	108.2	85.2	82.0
2815.0	67.5°	297.2	135.5	122.4	144.2	131.1	116.9	113.6	91.8	71.0	68.8
2128.7	70°	212.0	110.4	100.5	123.5	104.9	102.7	96.2	76.5	57.9	55.7
1053.4	72.5°	149.7	84.1	77.6	107.1	72.1	88.5	78.7	59.0	43.7	41.5
358.4	75°	110.4	60.1	54.6	62.3	52.5	66.7	55.7	39.3	27.3	26.2
161.7	77.5°	80.9	38.2	32.8	30.6	30.6	41.5	30.6	16.4	12.0	10.9
82.0	80°	56.8	17.5	15.3	13.1	12.0	9.8	4.4	2.2	1.1	1.1
28.4	82.5°	33.9	7.6	7.6	5.5	3.3	0.0	0.0	0.0	0.0	0.0
10.9	85°	7.6	3.3	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
4.4	87.5°	1.1	1.1	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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