

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: P952497

Luminaire Tested: **GALN-SB6B-830-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952497
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-830-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 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: 26161 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 - Short
BUG Rating: B2 - U0 - G2

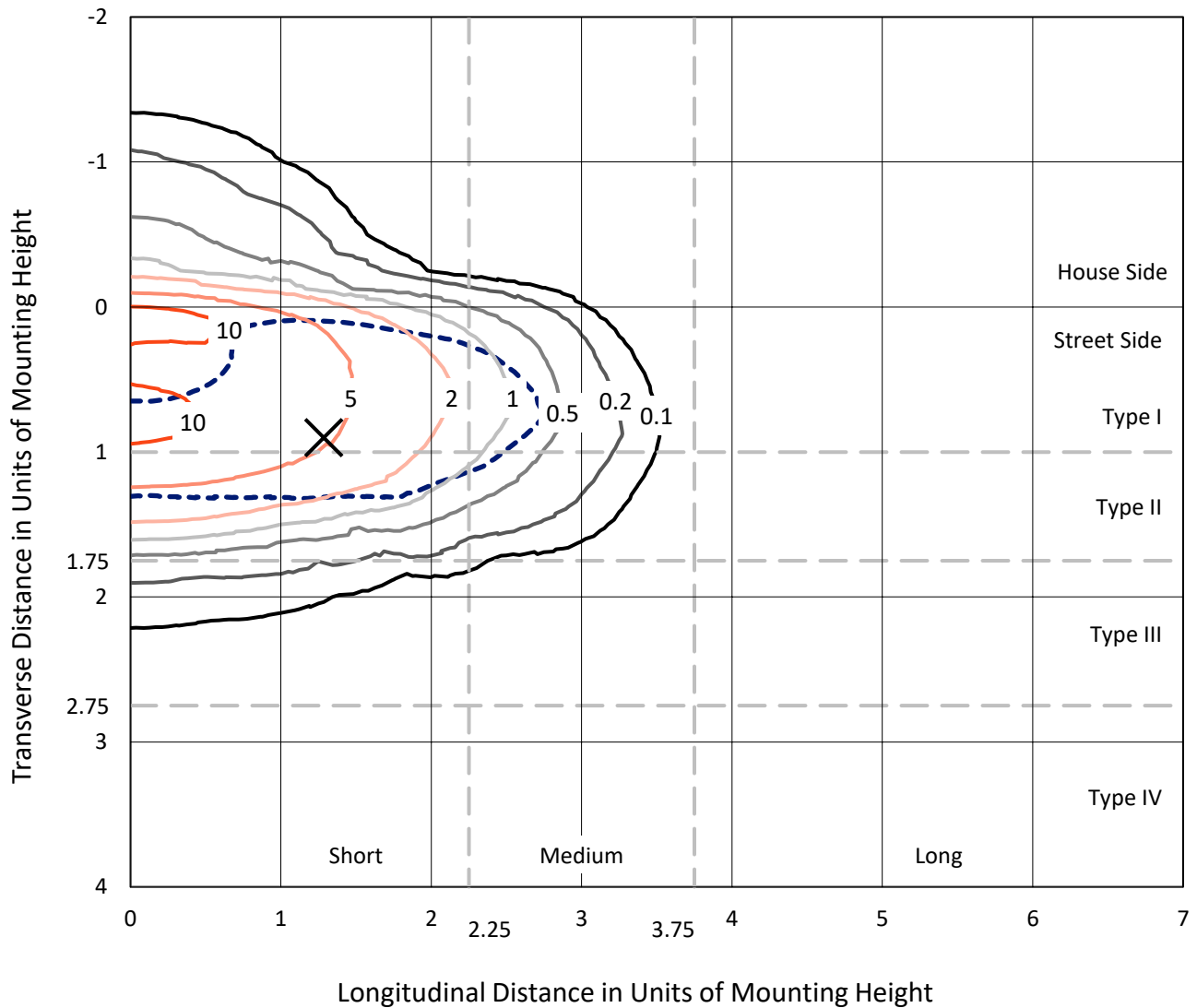
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

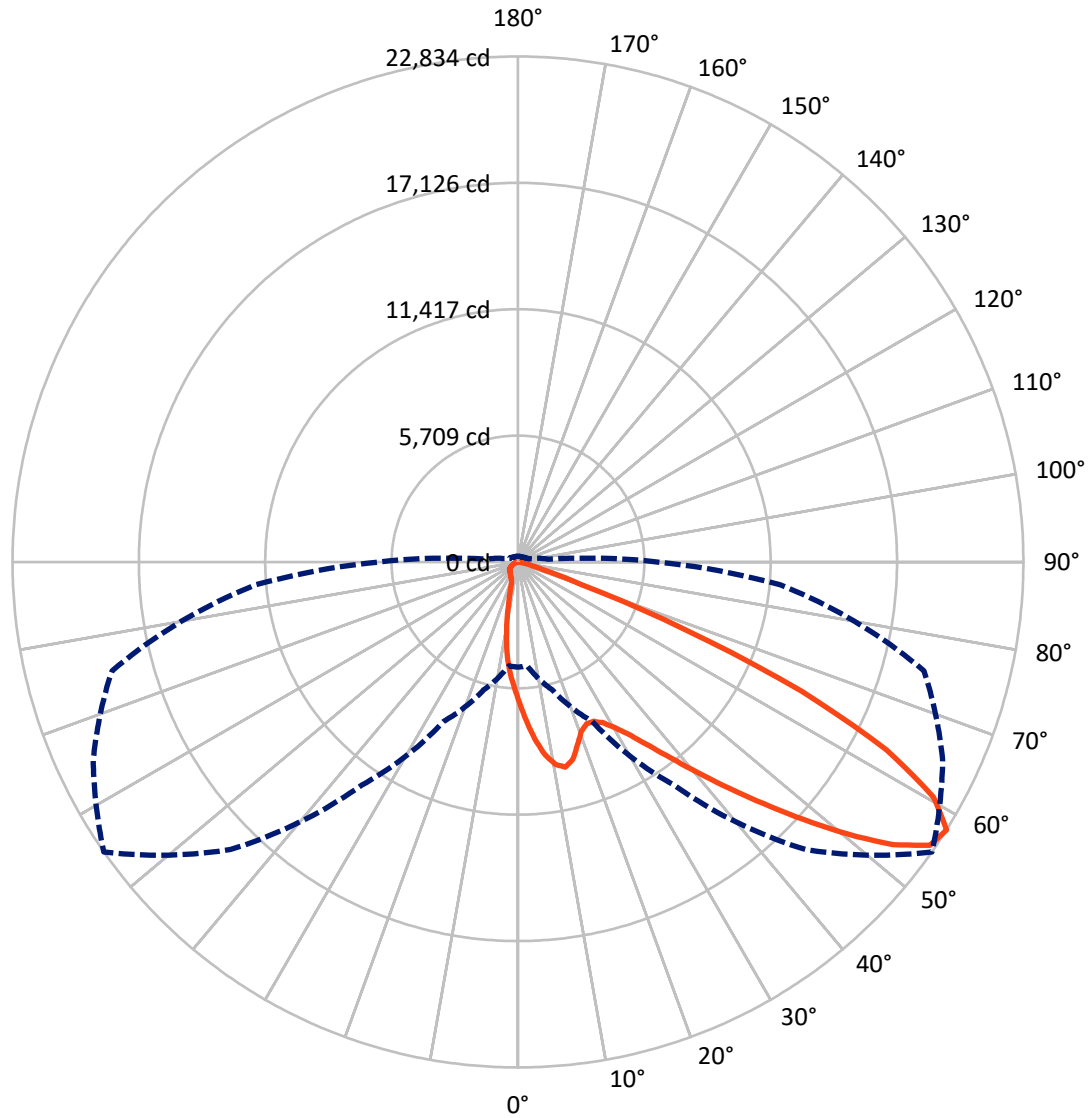
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 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	2043.1	0.0	2043.1
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	24117.9	0.0	24117.9
	% Fixture	92.2	0.0	92.2
Total	Lumens	26161.0	0.0	26161.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.6	2.2
10°-20°	1416.9	5.4
20°-30°	2266.9	8.7
30°-40°	3837.0	14.7
40°-50°	6299.5	24.1
50°-60°	6923.5	26.5
60°-70°	3971.3	15.2
70°-80°	811.5	3.1
80°-90°	47.9	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°	26161.0	100.0
0°-180°	26161.0	100.0

Coefficient of Utilization



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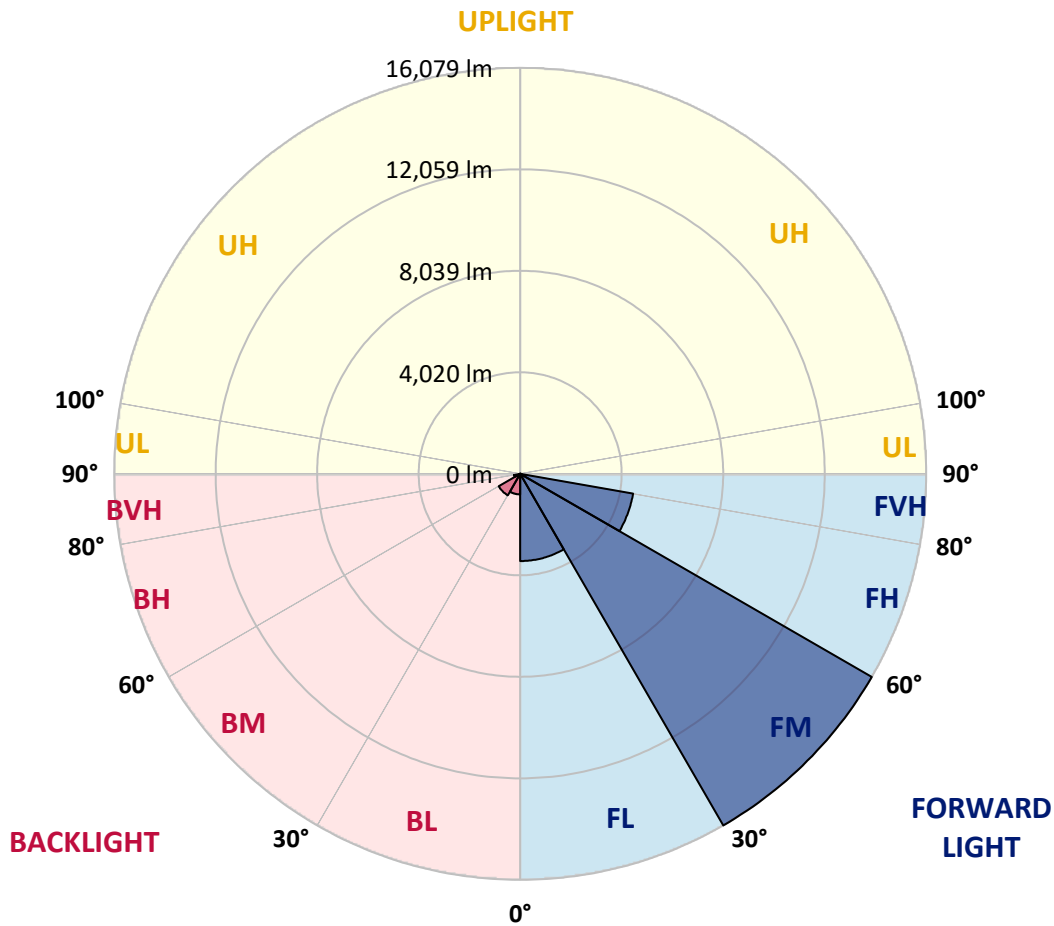
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3454.7	13.2			
FM (30°-60°)	16078.7	61.5			
FH (60°-80°)	4539.8	17.4			G2/5000
FVH (80°-90°)	44.6	0.2			G1/100
BL (0°-30°)	815.6	3.1	B2/1000		
BM (30°-60°)	981.2	3.8	B1/1000		
BH (60°-80°)	243.0	0.9	B1/500		G1/500
BVH (80°-90°)	3.2	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°	6304.2	6304.2	6304.2	6304.2	6304.2	6304.2	6304.2	6304.2	6304.2	6304.2
2.5°	7822.1	7723.7	7709.2	7689.8	7502.7	7362.4	7159.1	6936.5	6686.5	6431.6
5°	9036.8	8959.4	8944.9	8854.5	8641.6	8402.9	8041.5	7585.0	7118.8	6570.3
7.5°	9272.3	9257.8	9324.0	9320.7	9291.7	9103.0	8798.1	8254.4	7554.3	6741.3
10°	8222.2	8259.3	8456.1	8628.7	9094.9	9365.9	9299.8	8851.3	8002.8	6936.5
12.5°	7265.6	7222.0	7362.4	7557.6	8099.6	8906.2	9507.9	9349.8	8515.8	7157.5
15°	6665.5	6647.8	6726.8	6817.1	7230.1	8043.1	9265.9	9754.7	9009.4	7418.8
17.5°	6473.5	6459.0	6483.2	6505.8	6773.6	7402.7	8690.0	10003.1	9482.0	7717.3
20°	6630.0	6610.7	6607.4	6589.7	6701.0	7130.1	8168.9	10020.8	9906.3	7988.3
22.5°	7086.5	7063.9	6984.9	6913.9	6923.6	7167.2	7936.7	9843.4	10225.7	8241.5
25°	7914.1	7877.0	7712.4	7473.7	7322.0	7425.3	7972.1	9609.5	10530.6	8440.0
27.5°	8949.7	8901.3	8690.0	8335.1	7988.3	7862.5	8228.6	9448.2	10783.8	8591.6
30°	9964.4	9901.5	9693.4	9417.5	8911.0	8514.2	8691.6	9519.1	11085.5	8749.7
32.5°	11059.7	11000.0	10724.2	10382.2	9962.8	9428.8	9325.6	9866.0	11454.9	8970.7
35°	12445.4	12351.8	11959.8	11493.6	11048.4	10508.0	10183.8	10464.4	11946.9	9307.8
37.5°	14023.0	13897.2	13474.6	12830.9	12250.2	11645.3	11229.1	11287.1	12668.0	9759.5
40°	15510.4	15395.8	15005.4	14398.9	13669.8	12935.8	12492.2	12363.1	13663.3	10309.6
42.5°	16402.4	16299.2	16134.6	15878.1	15263.5	14515.0	13955.3	13676.2	14840.9	10967.7
45°	16452.4	16362.1	16583.1	16881.5	16760.5	16262.1	15579.7	15068.4	16023.3	11585.6
47.5°	15652.3	15591.0	16262.1	17304.2	17823.6	18033.3	17404.2	16344.3	16999.3	12029.2
50°	13471.3	13448.8	14829.6	16742.8	18228.5	19585.1	19328.7	17531.6	17755.8	12258.3
52.5°	11680.8	11598.5	12403.4	14945.8	17639.7	20401.4	21209.6	18696.3	18285.0	12301.8
55°	8859.4	8786.8	9796.6	11938.9	15741.0	20111.0	22585.6	19898.1	18664.0	12190.5
57.5°	4752.3	4707.1	5983.1	7946.3	12305.0	18368.8	22834.0	21169.3	18983.4	11895.3
60°	1850.3	1842.2	2319.7	3855.4	7478.5	14944.1	21580.6	21932.3	19183.5	11532.3
62.5°	1119.5	1143.7	1221.1	1730.9	3303.7	9283.6	18691.5	21064.4	19317.4	11200.0
65°	925.9	927.6	937.2	1188.9	1582.5	3884.4	14071.4	18209.1	18986.7	10608.0
67.5°	793.7	808.2	845.3	943.7	1116.3	1703.5	8101.2	14105.3	16975.1	9230.4
70°	625.9	645.3	692.0	775.9	861.4	1066.3	2994.0	9385.3	12968.0	6957.5
72.5°	527.5	525.9	550.1	630.7	684.0	750.1	1151.8	5258.8	7536.6	3321.5
75°	408.1	424.3	454.9	527.5	559.8	543.6	624.3	1921.3	2700.4	1006.6
77.5°	319.4	332.3	359.7	430.7	463.0	385.5	359.7	687.2	867.9	361.3
80°	143.6	154.9	245.2	317.8	377.5	266.2	195.2	351.7	385.5	164.5
82.5°	25.8	43.6	143.6	167.8	193.6	172.6	101.6	182.3	188.7	66.1
85°	1.6	3.2	50.0	61.3	77.4	56.5	30.6	72.6	62.9	22.6
87.5°	0.0	0.0	0.0	1.6	1.6	8.1	9.7	12.9	9.7	8.1
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°
6304.2	0°	6304.2	6304.2	6304.2	6304.2	6304.2	6304.2	6304.2	6304.2	6304.2	6304.2
6318.7	2.5°	6202.5	5973.5	5750.8	5568.6	5462.1	5281.4	5162.1	5142.7	5092.7	5136.2
6334.8	5°	6083.2	5673.4	5258.8	4887.8	4582.9	4189.3	3895.7	3771.5	3663.4	3700.5
6376.7	7.5°	6026.7	5379.8	4734.6	4100.6	3448.9	2819.8	2352.0	2156.8	2008.4	2029.3
6423.5	10°	5950.9	5074.9	4063.5	3095.6	2222.9	1601.8	1279.2	1159.8	1093.7	1095.3
6492.9	12.5°	5892.8	4710.4	3284.4	2098.7	1353.4	1022.7	922.7	893.7	874.3	875.9
6597.7	15°	5863.8	4281.3	2514.9	1398.6	967.9	866.3	842.1	829.2	816.2	814.6
6713.9	17.5°	5815.4	3803.8	1840.6	1021.1	846.9	811.4	790.4	775.9	759.8	756.6
6813.9	20°	5742.8	3261.8	1345.4	863.0	793.7	766.2	737.2	717.8	698.5	695.3
6876.8	22.5°	5608.9	2689.1	1034.0	798.5	755.0	724.3	688.8	666.2	646.9	643.6
6846.2	25°	5360.5	2151.9	871.1	758.2	721.1	684.0	645.3	614.6	596.9	593.6
6780.0	27.5°	5045.9	1690.6	790.4	721.1	677.5	643.6	600.1	571.1	554.9	551.7
6692.9	30°	4674.9	1301.8	743.7	679.1	625.9	596.9	558.1	533.9	524.3	524.3
6631.6	32.5°	4274.8	1040.5	724.3	637.2	580.7	548.5	517.8	508.1	504.9	503.3
6665.5	35°	3899.0	903.4	714.6	603.3	540.4	509.8	496.8	498.5	504.9	504.9
6770.4	37.5°	3565.0	859.8	709.8	579.1	504.9	477.5	485.6	500.1	493.6	493.6
6954.3	40°	3263.4	864.6	706.6	561.4	475.9	459.7	475.9	464.6	448.5	446.8
7178.5	42.5°	3032.7	905.0	700.1	546.9	458.1	446.8	440.4	422.6	421.0	424.3
7410.8	45°	2864.9	940.5	698.5	540.4	438.8	417.8	409.7	392.0	424.3	432.3
7505.9	47.5°	2666.5	940.5	698.5	517.8	406.5	398.4	385.5	366.2	398.4	406.5
7415.6	50°	2410.0	880.8	671.1	492.0	380.7	375.9	353.3	329.1	322.6	327.5
7204.3	52.5°	2085.8	772.7	601.7	456.5	354.9	345.2	317.8	300.0	295.2	295.2
6825.2	55°	1716.4	646.9	508.1	404.9	327.5	309.7	290.4	282.3	277.5	274.2
6294.5	57.5°	1395.4	530.7	408.1	359.7	301.7	279.1	272.6	262.9	254.9	250.0
5850.9	60°	1145.3	417.8	337.1	319.4	275.8	254.9	253.3	240.4	219.4	216.2
5484.7	62.5°	884.0	306.5	283.9	277.5	250.0	232.3	229.1	203.3	171.0	164.5
4965.2	65°	624.3	238.7	229.1	243.6	222.6	206.5	198.4	159.7	125.8	121.0
4155.5	67.5°	438.8	200.0	180.7	212.9	193.6	172.6	167.8	135.5	104.9	101.6
3142.4	70°	312.9	162.9	148.4	182.3	154.9	151.6	142.0	112.9	85.5	82.3
1555.1	72.5°	221.0	124.2	114.5	158.1	106.5	130.7	116.1	87.1	64.5	61.3
529.1	75°	162.9	88.7	80.7	91.9	77.4	98.4	82.3	58.1	40.3	38.7
238.7	77.5°	119.4	56.5	48.4	45.2	45.2	61.3	45.2	24.2	17.7	16.1
121.0	80°	83.9	25.8	22.6	19.4	17.7	14.5	6.5	3.2	1.6	1.6
41.9	82.5°	50.0	11.3	11.3	8.1	4.8	0.0	0.0	0.0	0.0	0.0
16.1	85°	11.3	4.8	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0
6.5	87.5°	1.6	1.6	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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