

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: EPHESUS

Report Number: P575406

Luminaire Tested: **EPH-VN-06-730-U-SL3-HSS**

Issue Date: 10/19/2021



Test Information

Test Method: LM-79-08
Report Number: P575406
Test Lab: INNOVATION CENTER(G2)
Issue Date: 10/19/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-VN-06-730-U-SL3-HSS
Description: EPHEBUS LUMAVISION – Middle Tier Light Square Luminaire w/ SL3 distribution lens and House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

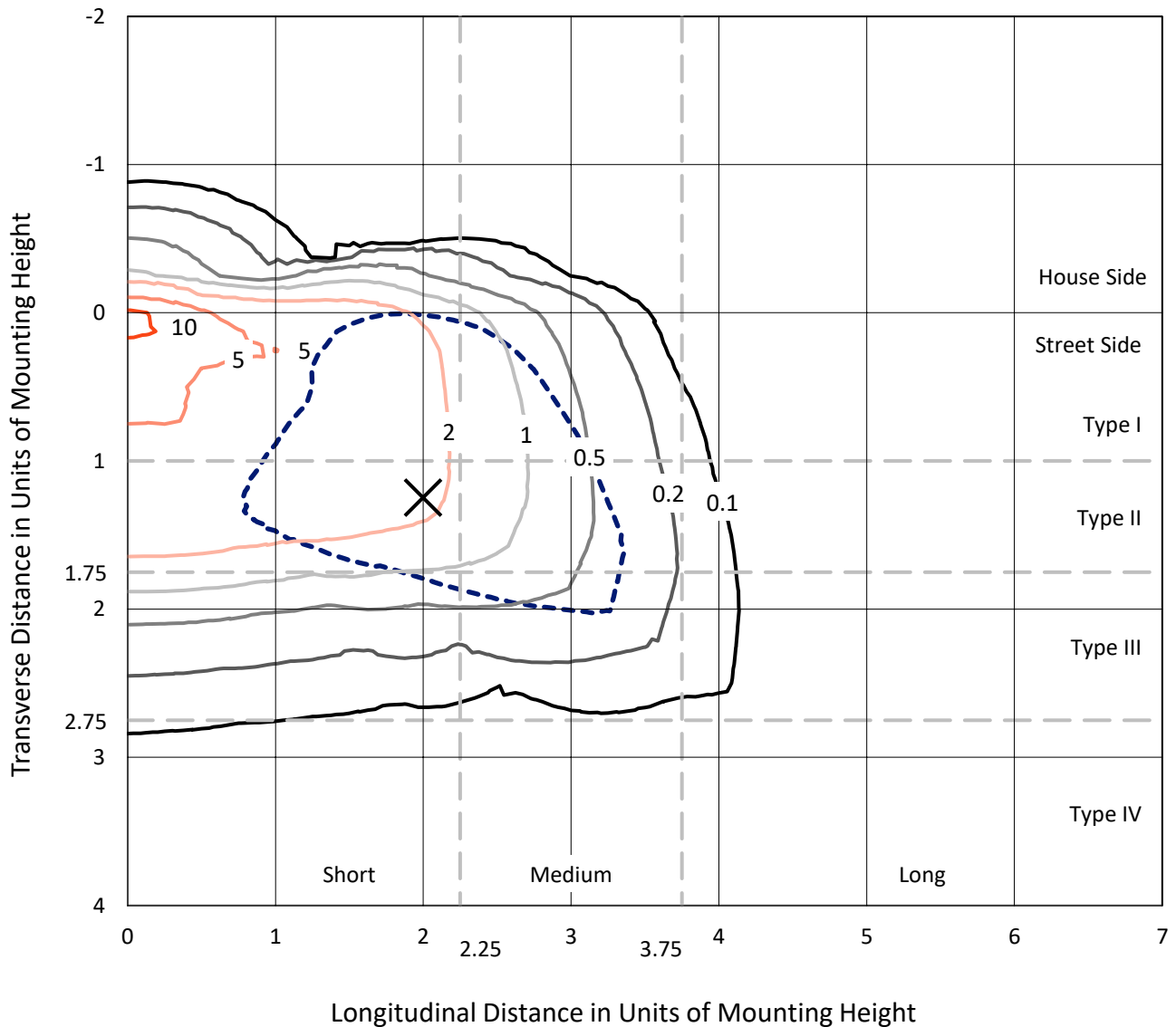
Lumens per Lamp: N/A
Luminaire Lumens: 34818.8 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2
Input Voltage (V): 120
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

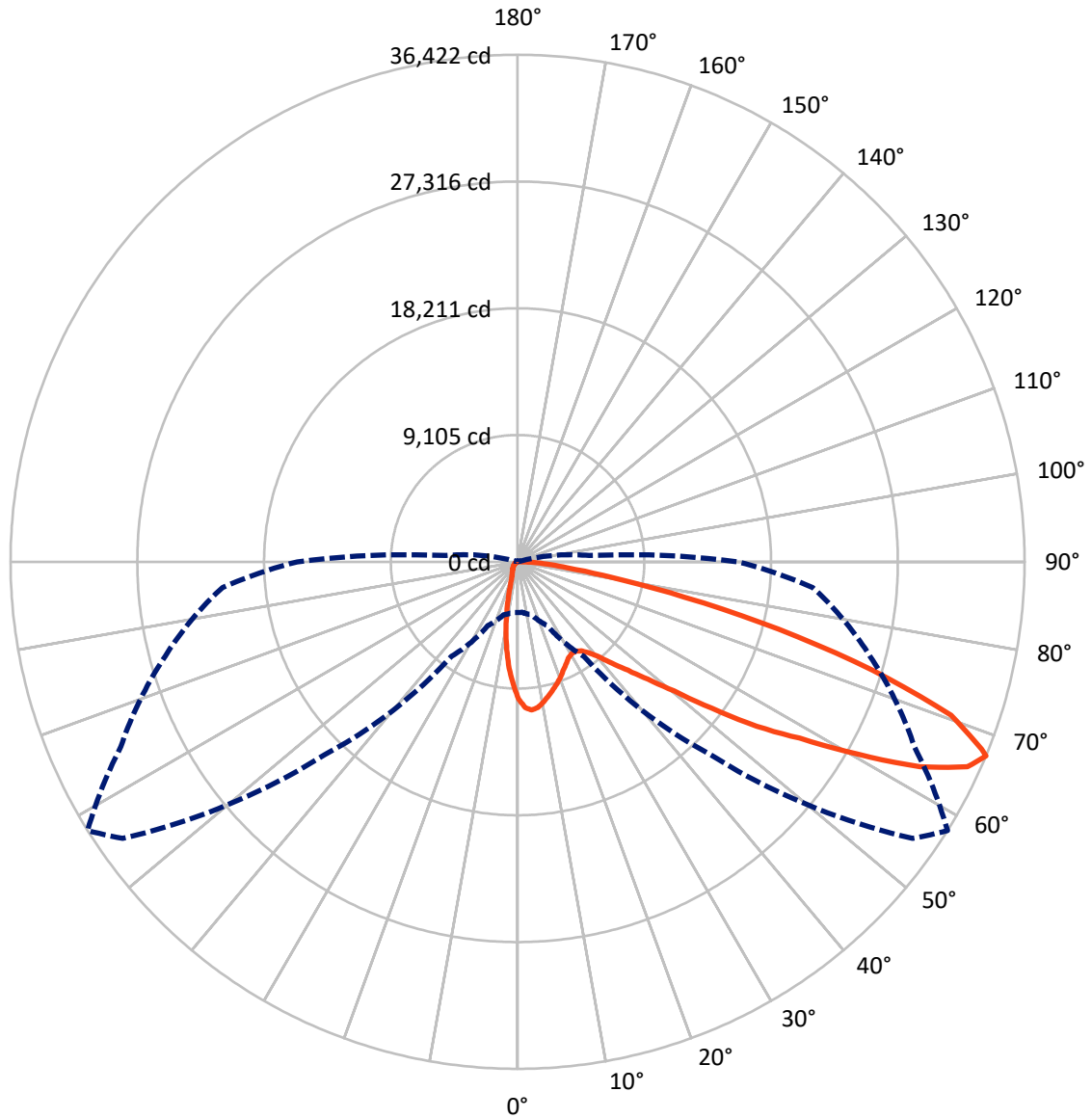
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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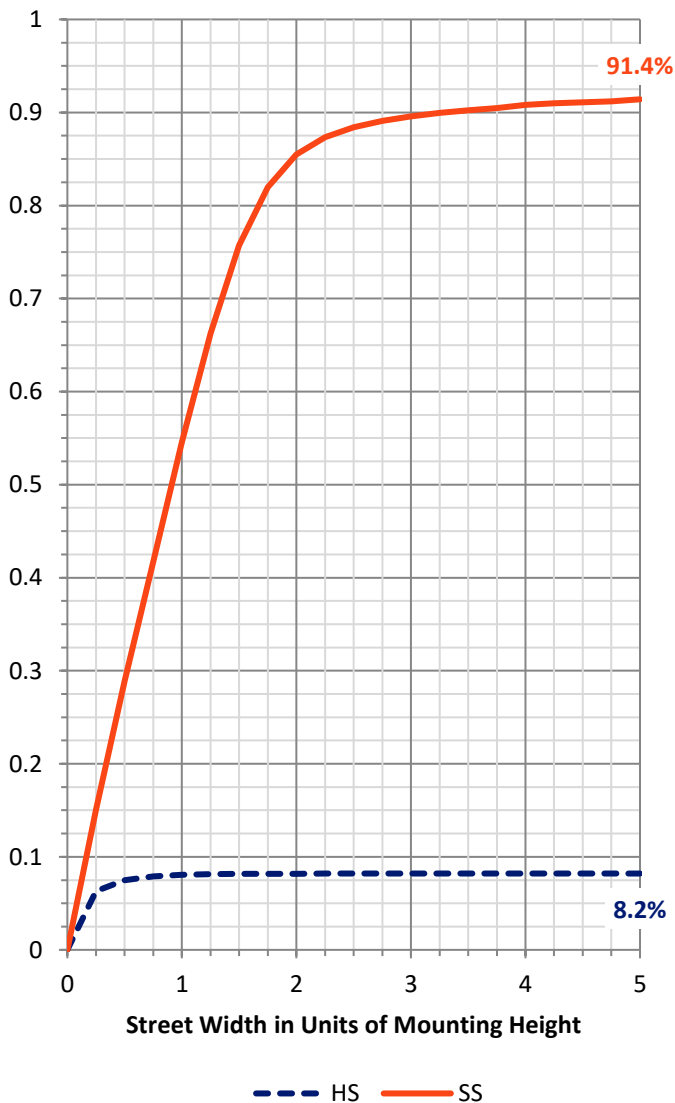
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2878.0	0.0	2878.0
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	31940.8	0.0	31940.8
	% Fixture	91.7	0.0	91.7
Total	Lumens	34818.8	0.0	34818.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.7	2.2
10°-20°	1623.5	4.7
20°-30°	2154.0	6.2
30°-40°	2984.8	8.6
40°-50°	4870.3	14.0
50°-60°	8560.5	24.6
60°-70°	9481.4	27.2
70°-80°	3929.1	11.3
80°-90°	432.5	1.2
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°	34818.8	100.0
0°-180°	34818.8	100.0

Coefficient of Utilization

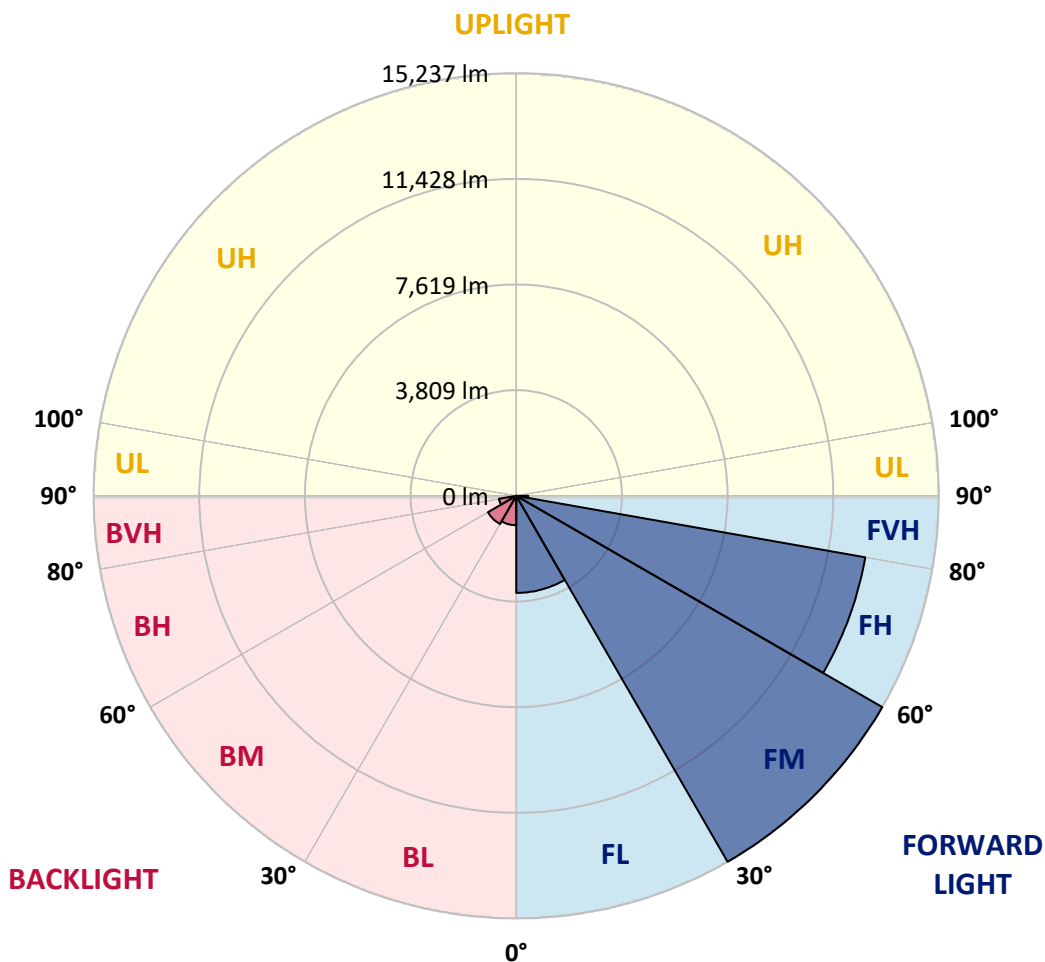


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3500.3	10.1			
FM (30°-60°)	15237.4	43.8			
FH (60°-80°)	12777.7	36.7			G5
FVH (80°-90°)	425.4	1.2			G3/500
BL (0°-30°)	1060.0	3.0	B3/2500		
BM (30°-60°)	1178.1	3.4	B2/2500		
BH (60°-80°)	632.8	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.1	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-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°
0°	9864.6	9864.6	9864.6	9864.6	9864.6	9864.6	9864.6	9864.6	9864.6	9864.6
2.5°	10733.7	10770.7	10803.0	10742.9	10793.8	10719.8	10530.3	10488.7	10456.3	10174.3
5°	10729.1	10687.5	10719.8	10747.5	10678.2	10733.7	10687.5	10692.1	10567.3	10313.0
7.5°	10012.6	9994.1	10012.6	10146.6	10299.2	10419.3	10488.7	10558.0	10474.8	10095.8
10°	9046.4	9138.9	9189.7	9430.1	9665.9	9887.7	10105.0	10234.4	10211.3	10058.8
12.5°	8371.5	8343.8	8528.7	8685.9	8921.6	9370.0	9749.1	9869.3	10007.9	9795.3
15°	7747.5	7673.5	7784.5	8057.2	8459.4	8815.3	9346.9	9527.2	9702.8	9758.3
17.5°	7151.2	7188.1	7303.7	7548.7	7927.8	8427.0	8926.2	9185.1	9605.8	9531.8
20°	6864.6	6943.1	6984.8	7109.6	7373.1	7872.3	8616.5	8824.5	9272.9	9527.2
22.5°	6878.4	6878.4	6781.4	6855.3	7095.7	7484.0	8195.9	8427.0	9138.9	9286.8
25°	7026.4	6933.9	6938.5	6850.7	6952.4	7165.0	7816.8	8098.8	8866.2	9309.9
27.5°	7137.3	7118.8	7091.1	7068.0	6938.5	6970.9	7567.2	7798.3	8759.8	9282.2
30°	7539.5	7456.3	7428.5	7377.7	7206.6	7049.5	7368.4	7659.7	8676.6	9346.9
32.5°	7876.9	7890.8	7913.9	7766.0	7618.0	7229.7	7423.9	7655.0	8616.5	9494.8
35°	8302.2	8362.3	8371.5	8325.3	8168.1	7784.5	7655.0	7853.8	8718.2	9758.3
37.5°	8949.4	8884.6	9060.3	9078.8	8967.8	8459.4	8191.3	8269.8	9018.7	10179.0
40°	9370.0	9448.6	9776.8	9980.2	9790.7	9328.4	8967.8	8954.0	9453.2	10840.0
42.5°	9836.9	10012.6	10373.1	10812.3	10789.2	10359.3	9994.1	9934.0	10225.2	11796.9
45°	10474.8	10632.0	11135.8	11796.9	12157.4	11792.3	11242.2	11122.0	11163.6	13100.5
47.5°	11533.4	11491.8	12217.5	12869.3	13461.0	13179.0	12943.3	12592.0	12559.6	14635.2
50°	12730.6	12721.4	13368.6	14108.2	14792.3	15342.4	14949.5	14565.8	14575.1	16720.0
52.5°	13867.8	14048.1	14746.1	15481.1	16655.2	17246.9	17626.0	17473.4	16738.4	18582.9
55°	14468.7	14625.9	15319.3	16585.9	18439.6	19960.4	20986.6	20857.2	19438.0	20681.5
57.5°	13900.2	14006.5	14944.9	16604.4	19687.7	23080.7	24065.3	23903.5	22230.1	22285.6
60°	11519.5	11685.9	13082.0	15028.1	19202.3	25484.4	28304.2	28059.2	24772.5	24314.9
62.5°	7978.6	8089.6	9236.0	11658.2	16900.2	26321.1	32307.4	32441.4	27453.6	25895.8
65°	5168.1	5158.8	5815.2	7456.3	11977.2	23787.9	34674.1	35506.2	30042.3	26136.2
67°	3651.9	3638.0	3947.7	5057.1	8292.9	19599.8	34632.5	36421.5	31447.6	26205.5
67.5°	3369.9	3356.0	3651.9	4650.3	7484.0	18226.9	34114.8	35950.0	31942.2	26108.5
70°	2616.4	2579.4	2690.4	3203.5	4359.1	11787.6	29196.4	33023.9	30916.0	23686.2
72.5°	1890.6	1932.2	2107.9	2630.3	3420.7	6342.2	22253.2	26704.8	25821.9	17852.5
75°	1317.4	1354.4	1636.4	2144.9	3138.7	3846.0	15046.6	19368.7	17986.5	9855.4
77.5°	688.8	735.0	1044.7	1715.0	2852.1	2977.0	8991.0	12282.3	9531.8	3508.6
80°	319.0	342.1	522.4	1215.7	2385.3	2616.4	5242.0	6832.2	3813.6	785.8
82.5°	138.7	152.5	240.4	698.0	1691.9	2288.2	3245.1	3582.5	1382.2	254.2
85°	27.7	32.4	92.5	369.8	818.2	1386.8	2278.9	2126.4	693.4	124.8
87.5°	0.0	0.0	23.1	106.3	221.9	411.4	966.1	966.1	212.6	64.7
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°
9864.6	0°	9864.6	9864.6	9864.6	9864.6	9864.6	9864.6	9864.6	9864.6	9864.6	9864.6
10012.6	2.5°	9869.3	9702.8	9337.7	9000.2	8759.8	8487.1	8126.5	7964.7	7904.6	7821.4
9860.0	5°	9610.4	9407.0	8782.9	8154.3	7465.5	6943.1	6388.4	6064.9	5819.9	5667.3
9656.6	7.5°	9245.2	8829.2	7987.9	6980.1	6088.0	5311.4	4470.1	3901.5	3536.3	3388.4
9434.7	10°	8954.0	8413.1	7132.7	5879.9	4691.9	3554.8	2607.1	2107.9	1728.9	1585.6
9143.5	12.5°	8574.9	7927.8	6333.0	4756.7	3263.6	2117.2	1442.3	1252.7	1146.4	1127.9
8986.3	15°	8260.6	7488.6	5574.9	3684.2	2112.5	1322.1	1123.3	1077.1	1049.3	1040.1
8750.6	17.5°	8048.0	7017.1	4798.3	2681.1	1391.4	1081.7	1035.5	1007.7	993.9	989.2
8519.5	20°	7627.3	6619.6	4030.9	1876.8	1086.3	998.5	961.5	938.4	924.5	919.9
8311.4	22.5°	7386.9	6115.7	3263.6	1308.2	966.1	906.0	878.3	859.8	836.7	822.8
8200.5	25°	7146.5	5745.9	2579.4	1017.0	878.3	836.7	795.1	772.0	735.0	716.5
8029.5	27.5°	6864.6	5380.7	1987.7	882.9	790.5	748.9	707.3	670.3	624.1	605.6
7932.4	30°	6702.8	5024.8	1497.7	790.5	725.7	670.3	619.4	573.2	522.4	490.0
8029.5	32.5°	6619.6	4701.2	1123.3	721.1	656.4	596.3	531.6	476.1	429.9	402.2
8038.7	35°	6517.9	4386.8	882.9	656.4	591.7	527.0	462.3	406.8	360.6	337.4
8390.0	37.5°	6624.2	4201.9	735.0	605.6	540.8	466.9	397.5	342.1	305.1	282.0
8824.5	40°	6915.4	4049.4	637.9	559.3	490.0	411.4	346.7	291.2	258.9	240.4
9513.3	42.5°	7363.8	4049.4	577.8	513.1	443.8	360.6	295.8	254.2	221.9	203.4
10687.5	45°	8177.4	4174.2	527.0	466.9	388.3	309.7	254.2	212.6	180.3	161.8
12310.0	47.5°	9319.2	4460.8	485.4	425.3	346.7	272.7	221.9	180.3	147.9	129.4
14219.1	50°	10853.9	5112.6	443.8	374.4	309.7	235.8	184.9	143.3	115.6	97.1
16262.3	52.5°	12767.6	6037.1	402.2	346.7	263.5	198.8	147.9	115.6	87.8	74.0
18277.8	55°	14792.3	7169.7	351.3	309.7	226.5	166.4	120.2	87.8	64.7	55.5
20713.9	57.5°	16830.9	8043.3	309.7	268.1	184.9	134.1	97.1	69.3	46.2	37.0
22280.9	60°	17912.6	8126.5	268.1	221.9	147.9	106.3	74.0	50.8	32.4	23.1
22747.8	62.5°	18079.0	7386.9	231.1	180.3	120.2	83.2	50.8	37.0	18.5	9.2
22604.5	65°	17223.8	6157.3	198.8	143.3	92.5	60.1	37.0	23.1	9.2	4.6
21277.8	67°	15837.0	5158.8	171.0	120.2	74.0	46.2	27.7	13.9	4.6	0.0
20695.4	67.5°	15300.8	4881.5	161.8	110.9	69.3	41.6	23.1	13.9	4.6	0.0
16525.8	70°	11875.5	3485.4	120.2	78.6	50.8	32.4	18.5	9.2	0.0	0.0
10502.6	72.5°	7276.0	2038.6	92.5	55.5	37.0	23.1	13.9	4.6	0.0	0.0
4474.7	75°	3050.9	702.6	78.6	41.6	27.7	13.9	9.2	4.6	0.0	0.0
1234.2	77.5°	795.1	263.5	55.5	27.7	18.5	13.9	9.2	4.6	0.0	0.0
425.3	80°	323.6	120.2	37.0	18.5	13.9	9.2	4.6	0.0	0.0	0.0
263.5	82.5°	212.6	55.5	23.1	18.5	13.9	9.2	4.6	0.0	0.0	0.0
208.0	85°	161.8	32.4	13.9	13.9	9.2	4.6	0.0	0.0	0.0	0.0
78.6	87.5°	69.3	18.5	13.9	9.2	9.2	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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