

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: P575366

Luminaire Tested: **EPH-VN-06-730-U-SL2-HSS**

Issue Date: 10/19/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P575366  
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-SL2-HSS  
Description: EPHEBUS LUMAVISION – Middle Tier Light Square Luminaire w/ SL2 distribution lens and House Side Shield  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

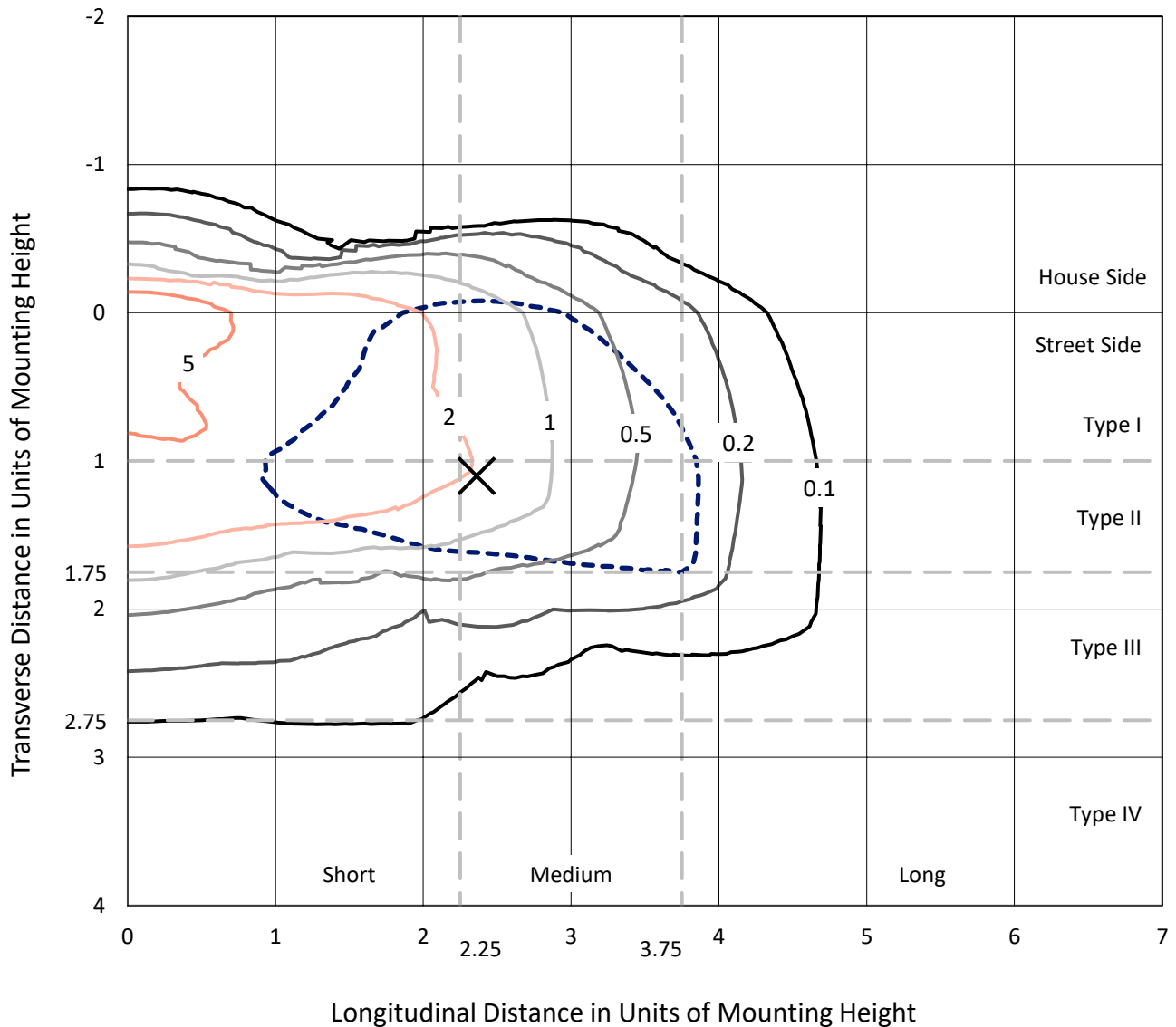
Lumens per Lamp: N/A  
Luminaire Lumens: 34267.4 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G5

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

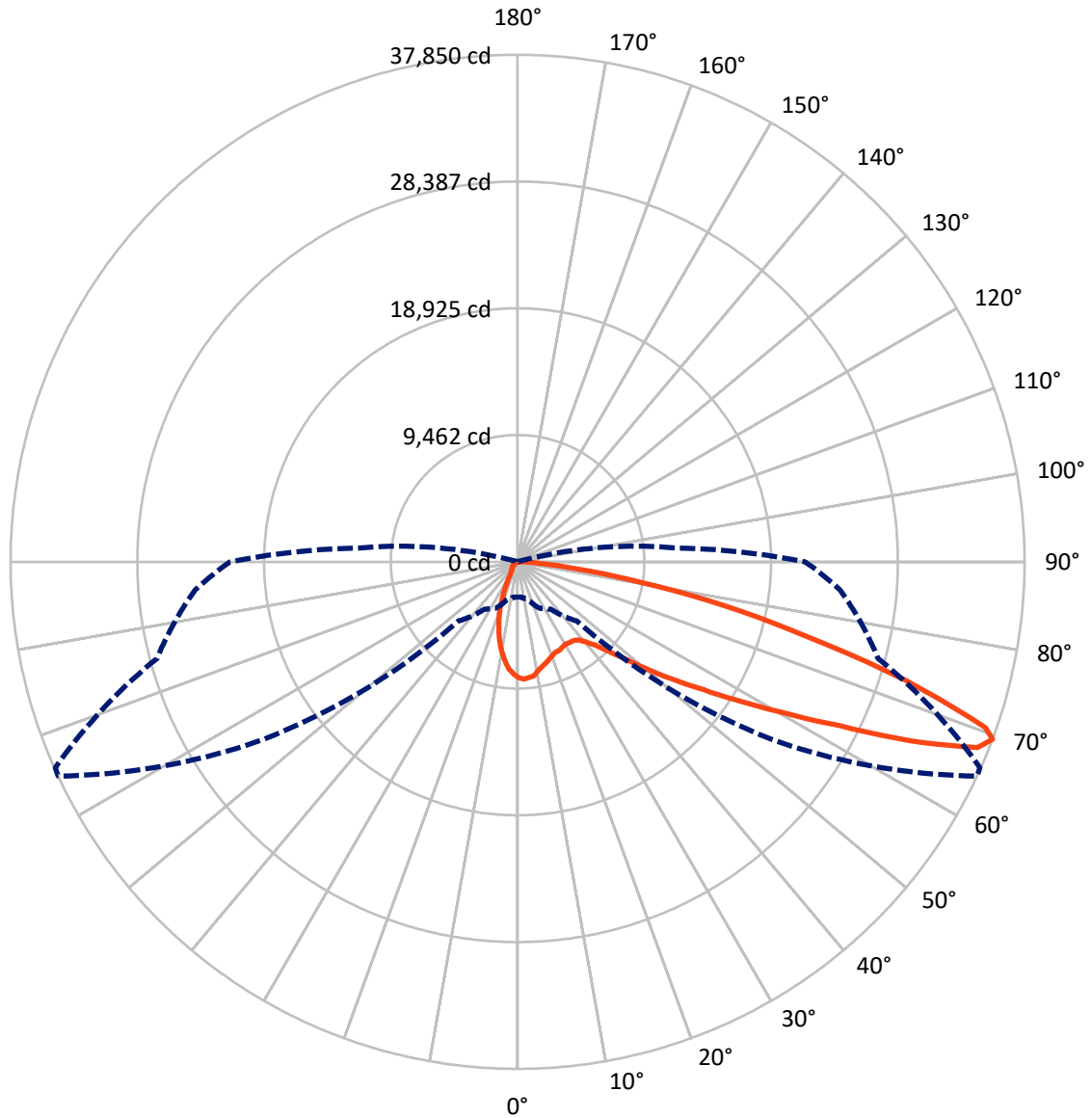
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.6 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - Horizontal Cone Through 69-Deg Vertical

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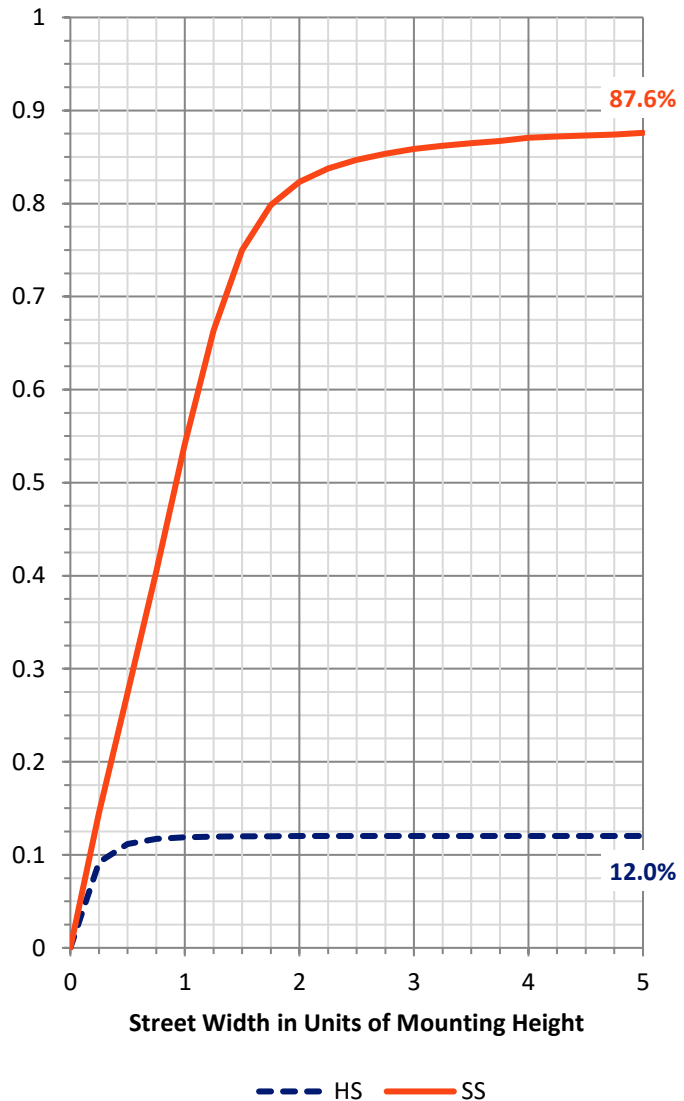
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4156.8	0.0	4156.8
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	30110.6	0.0	30110.6
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	34267.4	0.0	34267.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	707.0	2.1
10°-20°	1546.9	4.5
20°-30°	2153.6	6.3
30°-40°	3051.9	8.9
40°-50°	4809.7	14.0
50°-60°	7804.5	22.8
60°-70°	8716.1	25.4
70°-80°	4908.1	14.3
80°-90°	569.5	1.7
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°	34267.4	100.0
0°-180°	34267.4	100.0

**Coefficient of Utilization**

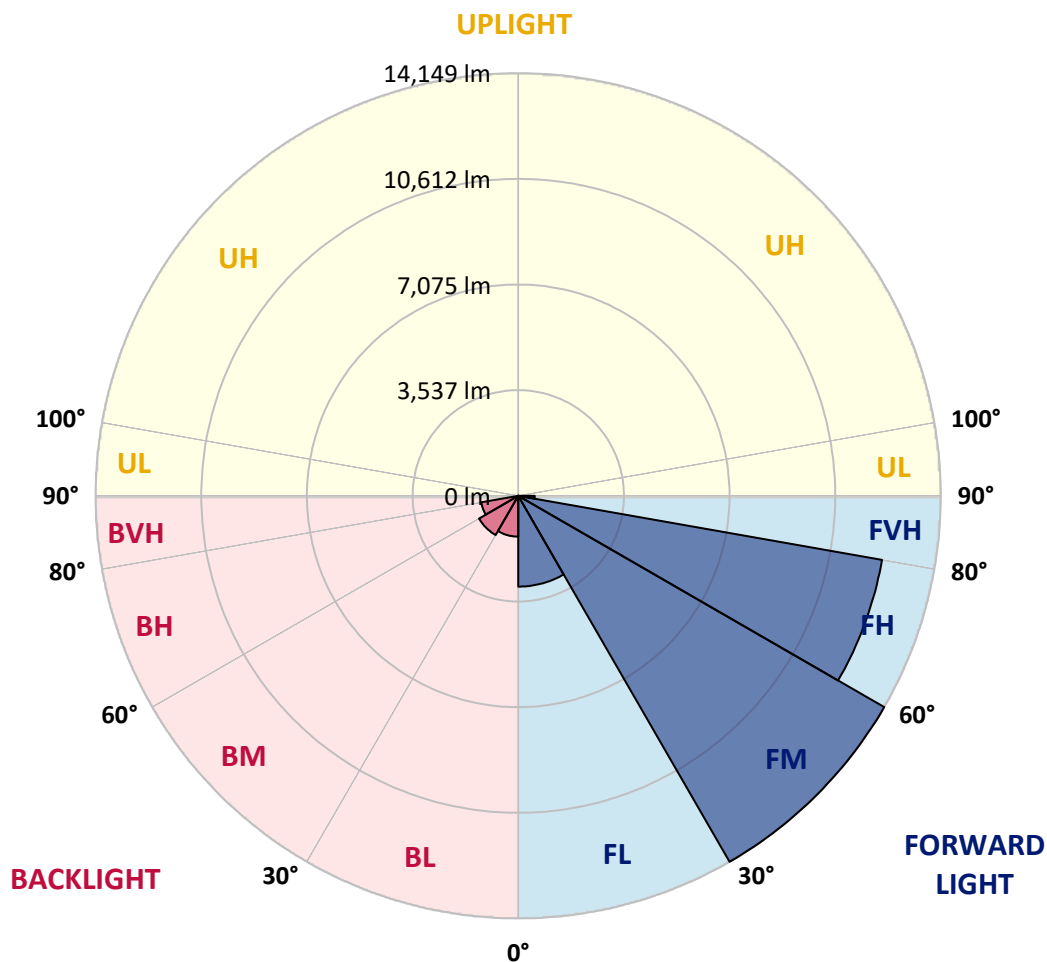


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3040.9	8.9			
FM (30°-60°)	14149.3	41.3			
FH (60°-80°)	12366.5	36.1			G5
FVH (80°-90°)	553.8	1.6			G4/750
BL (0°-30°)	1366.6	4.0	B3/2500		
BM (30°-60°)	1516.8	4.4	B2/2500		
BH (60°-80°)	1257.7	3.7	B3/2500		G3/2500
BVH (80°-90°)	15.7	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6
2.5°	8320.7	8385.4	8403.9	8468.6	8500.9	8639.6	8718.2	8764.4	8741.3	8792.2
5°	7729.0	7692.0	7789.1	7858.4	8006.3	8246.7	8491.7	8681.2	8769.0	8852.2
7.5°	7095.7	7077.2	7174.3	7331.4	7465.5	7756.7	8149.6	8616.5	8598.0	8801.4
10°	6661.1	6679.6	6712.0	6869.2	7067.9	7363.8	7853.8	8288.3	8385.4	8815.3
12.5°	6263.6	6296.0	6356.1	6517.8	6749.0	7054.1	7530.2	8038.7	8186.6	8736.7
15°	6134.2	6060.2	6180.4	6300.6	6541.0	6813.7	7215.9	7849.1	7913.9	8644.2
17.5°	6027.9	5981.6	6037.1	6134.2	6388.4	6610.3	6989.3	7645.8	7765.9	8607.3
20°	6060.2	6018.6	6041.7	6115.7	6231.2	6439.3	6790.6	7451.6	7581.0	8436.2
22.5°	6152.7	6185.0	6143.4	6161.9	6198.9	6305.2	6684.3	7312.9	7423.9	8403.9
25°	6568.7	6513.2	6457.8	6434.6	6217.4	6263.6	6651.9	7303.7	7382.3	8288.3
27.5°	7003.2	6957.0	6933.9	6799.8	6504.0	6365.3	6656.5	7174.3	7280.6	8242.1
30°	7530.2	7590.3	7497.8	7336.0	6924.6	6582.6	6707.4	7109.5	7257.5	8066.4
32.5°	8084.9	8117.3	8163.5	8043.3	7511.7	6910.8	6859.9	7169.6	7178.9	8066.4
35°	8713.6	8667.3	8787.5	8796.8	8329.9	7493.2	7151.1	7211.2	7308.3	8029.4
37.5°	9254.4	9333.0	9471.7	9693.6	9212.8	8316.0	7604.2	7405.4	7447.0	8200.5
40°	9846.1	9924.7	10239.0	10460.9	10188.2	9240.5	8292.9	7858.4	7890.8	8454.7
42.5°	10497.9	10650.4	11024.9	11413.2	11339.2	10414.7	9180.5	8524.0	8510.2	9088.0
45°	11380.8	11584.2	11991.0	12439.4	12504.1	11759.9	10363.8	9517.9	9564.1	9915.4
47.5°	12610.4	12601.2	12998.7	13497.9	13872.4	13155.9	11778.3	10853.8	10849.2	11223.6
50°	13798.4	13803.0	13909.4	14487.2	15457.9	15092.7	13530.3	12628.9	12578.1	12763.0
52.5°	14348.5	14283.8	14205.2	14903.2	16678.3	17533.5	15749.1	14639.7	14598.1	14487.2
55°	13770.7	13793.8	13789.2	14514.9	17320.8	20108.2	18596.7	16853.9	16784.6	16437.9
57.5°	11917.0	11843.1	12004.9	13137.4	16585.8	21864.8	22669.2	19646.0	19465.7	18314.7
60°	8870.7	8893.9	9027.9	10363.8	14759.9	22234.6	26566.0	22923.4	22146.8	19636.7
62.5°	6194.3	6148.0	6198.9	6947.7	10553.4	20755.4	29200.9	26908.1	26159.2	21139.1
65°	4433.1	4373.0	4576.4	5034.0	6337.6	15869.3	29575.3	32214.8	31544.5	23538.2
67.5°	3189.6	3180.3	3416.1	4248.2	4502.4	9138.8	26801.7	37022.3	36615.5	26385.7
69°	2639.5	2644.1	2870.6	3804.4	4299.0	6240.5	23062.1	37849.7	37775.8	27855.7
70°	2302.0	2320.5	2584.0	3540.9	4215.8	5131.1	19881.7	37036.1	36962.2	28142.3
72.5°	1419.1	1433.0	1779.7	2838.3	4007.8	4188.1	11889.3	30301.0	30555.3	26829.5
75°	679.5	684.1	933.8	2052.4	3864.5	3970.8	6369.9	22359.4	22895.7	21661.4
77.5°	360.6	360.6	448.4	1090.9	3129.5	3735.0	3781.3	15772.3	16216.0	13696.7
80°	180.3	184.9	272.7	568.6	1941.5	3661.1	2953.8	9407.0	9647.3	5588.7
82.5°	69.3	74.0	129.4	342.1	1007.7	3092.5	2593.3	4627.2	4567.1	1308.2
85°	9.2	9.2	46.2	203.4	429.9	1363.7	2140.3	1932.2	1867.5	286.6
87.5°	0.0	0.0	9.2	60.1	129.4	397.5	827.4	531.6	591.7	78.6
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):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8639.6	0°	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6	8639.6
8796.8	2.5°	8773.7	8676.6	8528.7	8385.4	8232.8	8047.9	7844.5	7770.6	7641.1	7631.9
8838.4	5°	8764.4	8607.3	8348.4	8043.3	7608.8	7280.6	6924.6	6665.8	6467.0	6337.6
8861.5	7.5°	8810.6	8621.1	8172.7	7516.3	6957.0	6305.2	5755.1	5376.1	5029.4	4858.3
8935.5	10°	8736.7	8482.4	7826.0	6906.1	6083.3	5172.7	4368.3	3859.9	3342.1	3152.6
8977.1	12.5°	8778.3	8422.3	7451.6	6277.5	5144.9	3961.6	3000.1	2306.7	1821.3	1664.1
9046.4	15°	8806.0	8292.9	7091.0	5524.0	4104.9	2699.6	1738.1	1308.2	1155.6	1127.9
9037.2	17.5°	8699.7	8135.7	6582.6	4779.8	3041.7	1641.0	1155.6	1067.8	1040.1	1021.6
9023.3	20°	8695.1	8043.3	6143.4	4017.0	2029.3	1118.7	998.5	966.1	924.5	910.6
9101.9	22.5°	8616.5	7849.1	5616.4	3180.3	1294.3	961.5	896.8	845.9	799.7	781.2
9037.2	25°	8593.4	7622.6	5121.8	2389.9	984.6	859.8	795.1	721.1	665.7	637.9
8958.6	27.5°	8528.7	7428.5	4622.6	1682.6	859.8	767.3	684.1	605.6	540.8	499.2
8907.7	30°	8297.5	7225.1	4067.9	1164.9	781.2	679.5	587.1	494.6	429.9	402.2
8792.2	32.5°	8200.5	7035.6	3462.3	896.8	711.9	600.9	494.6	411.4	360.6	332.8
8750.6	35°	8084.9	6758.2	2875.2	781.2	647.2	522.4	416.0	346.7	305.1	282.0
8782.9	37.5°	8098.8	6536.3	2325.2	707.3	577.8	448.4	355.9	295.8	258.9	235.8
8949.3	40°	8057.2	6360.7	1807.4	642.5	513.1	383.7	300.5	249.6	217.3	194.1
9291.4	42.5°	8246.7	6314.5	1363.7	587.1	448.4	328.2	258.9	212.6	180.3	152.5
9998.7	45°	8565.6	6388.4	1063.2	536.2	383.7	282.0	221.9	175.7	143.3	124.8
11048.0	47.5°	9416.2	6679.6	832.1	494.6	328.2	245.0	184.9	143.3	115.6	97.1
12481.0	50°	10650.4	7331.4	707.3	434.5	277.4	208.0	152.5	110.9	92.5	74.0
14413.2	52.5°	12407.0	8427.0	642.5	383.7	231.1	171.0	120.2	87.8	69.3	55.5
16539.6	55°	14320.8	9795.3	582.4	323.6	194.1	138.7	97.1	69.3	50.8	37.0
18083.6	57.5°	15813.9	10978.6	531.6	268.1	157.2	110.9	74.0	50.8	37.0	23.1
19317.8	60°	17445.6	11810.7	466.9	212.6	129.4	83.2	55.5	37.0	27.7	13.9
20954.2	62.5°	19128.3	12786.1	383.7	166.4	101.7	64.7	41.6	27.7	18.5	4.6
23094.4	65°	21467.3	13548.8	295.8	129.4	78.6	46.2	32.4	23.1	9.2	0.0
24398.0	67.5°	22128.3	13174.4	217.3	101.7	55.5	32.4	23.1	13.9	4.6	0.0
24153.0	69°	21467.3	11866.2	189.5	87.8	46.2	27.7	18.5	9.2	4.6	0.0
23344.1	70°	20260.8	10849.2	166.4	74.0	41.6	27.7	13.9	9.2	4.6	0.0
20112.9	72.5°	16946.4	8320.7	129.4	55.5	32.4	23.1	13.9	9.2	0.0	0.0
15716.8	75°	12430.1	5140.3	97.1	41.6	27.7	18.5	13.9	9.2	0.0	0.0
8935.5	77.5°	6661.1	1876.8	69.3	27.7	18.5	13.9	13.9	9.2	0.0	0.0
2782.8	80°	1825.9	554.7	50.8	18.5	13.9	9.2	9.2	4.6	0.0	0.0
679.5	82.5°	499.2	143.3	32.4	18.5	13.9	9.2	4.6	0.0	0.0	0.0
328.2	85°	268.1	55.5	18.5	13.9	9.2	4.6	0.0	0.0	0.0	0.0
161.8	87.5°	138.7	18.5	13.9	9.2	9.2	4.6	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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