

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: P575138

Luminaire Tested: **EPH-VN-06-740-U-T2-HSS**

Issue Date: 10/19/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P575138  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 10/19/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-VN-06-740-U-T2-HSS  
Description: EPHEBUS LUMAVISION – Middle Tier Light Square Luminaire w/ T2 distribution lens and House Side Shield  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

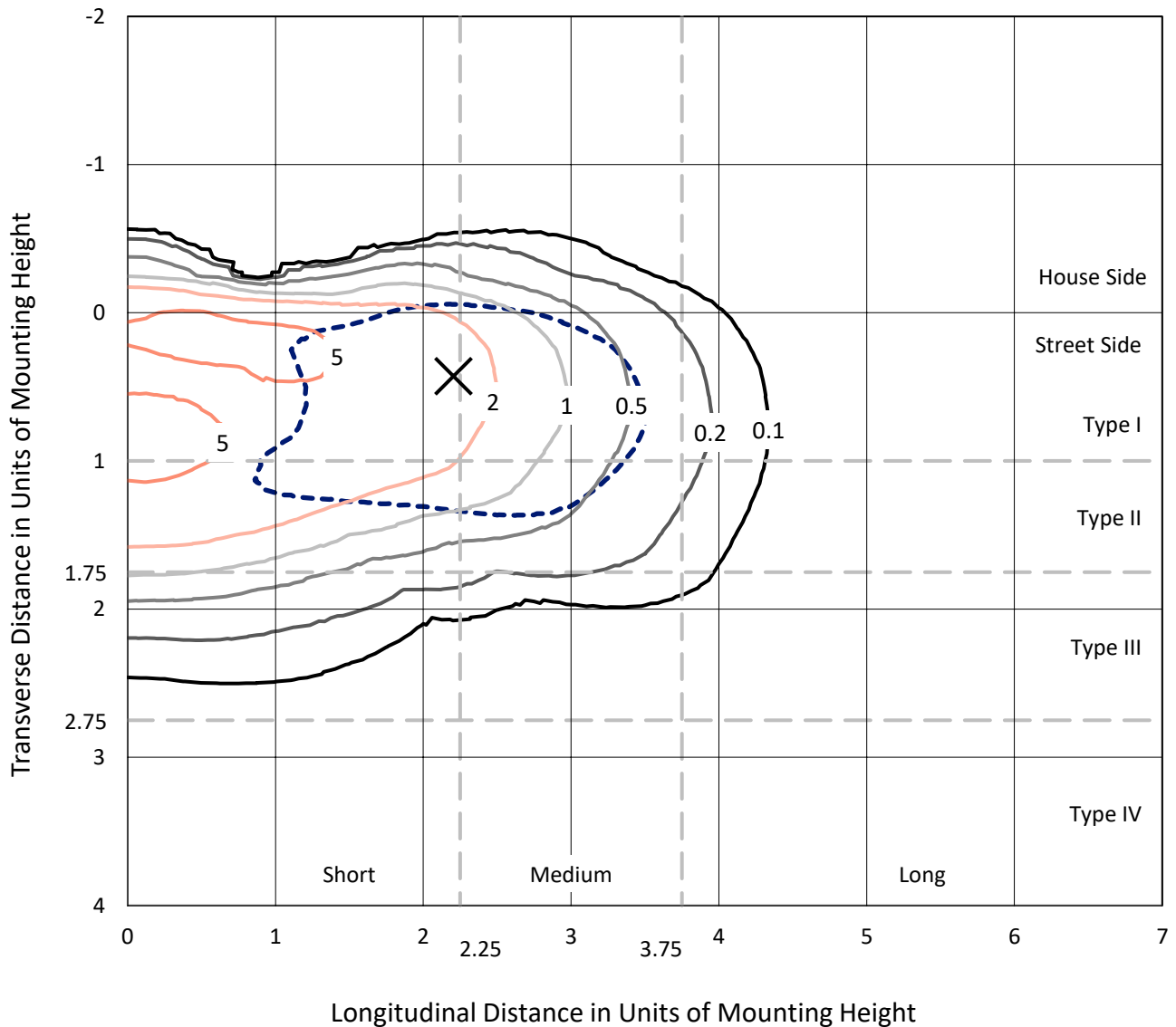
Lumens per Lamp: N/A  
Luminaire Lumens: 32926.2 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G4

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

REPORT NUMBER: P575138  
 CATALOG NUMBER: EPH-VN-06-740-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

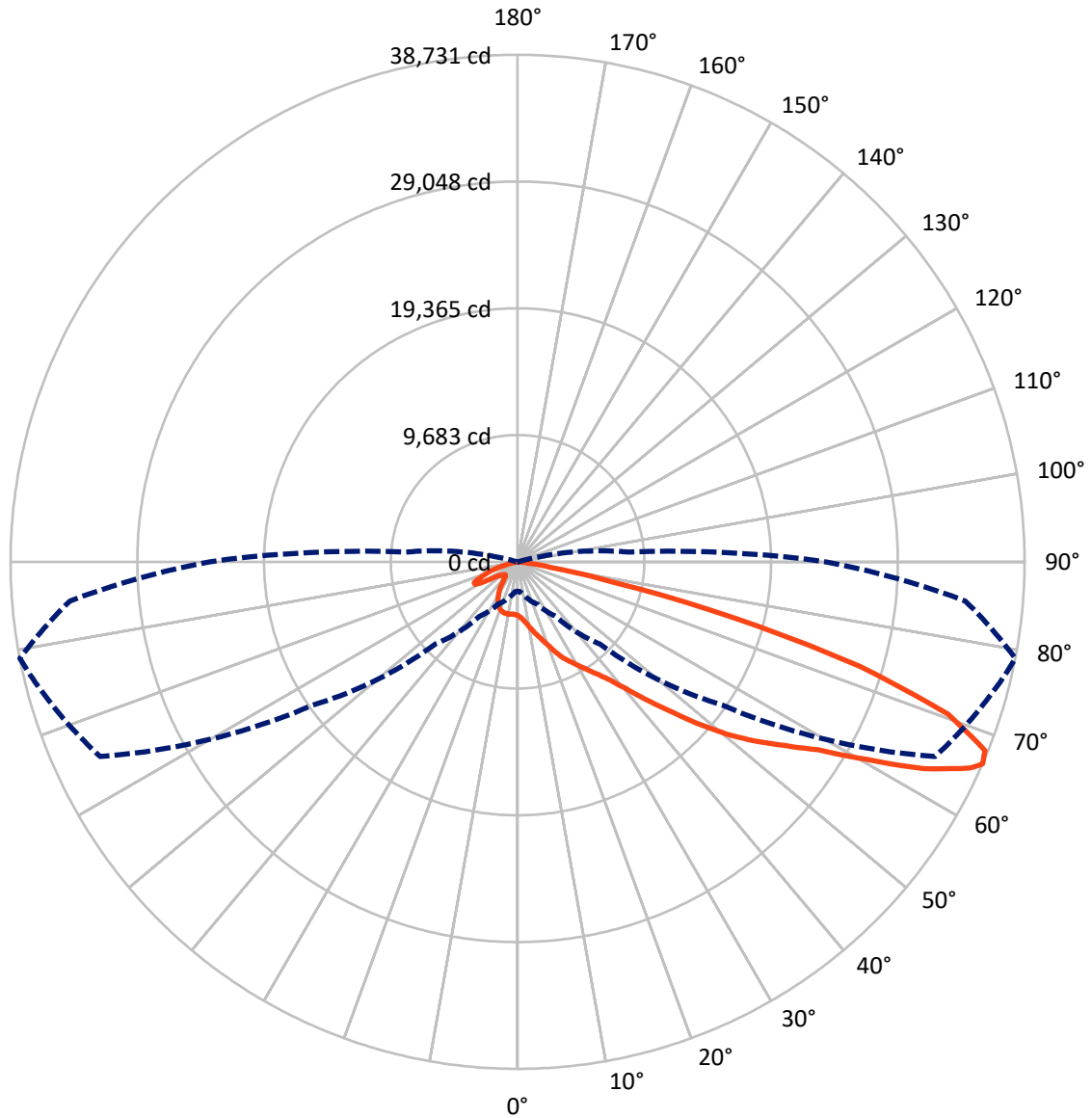
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P575138  
CATALOG NUMBER: EPH-VN-06-740-U-T2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P575138  
 CATALOG NUMBER: EPH-VN-06-740-U-T2-HSS

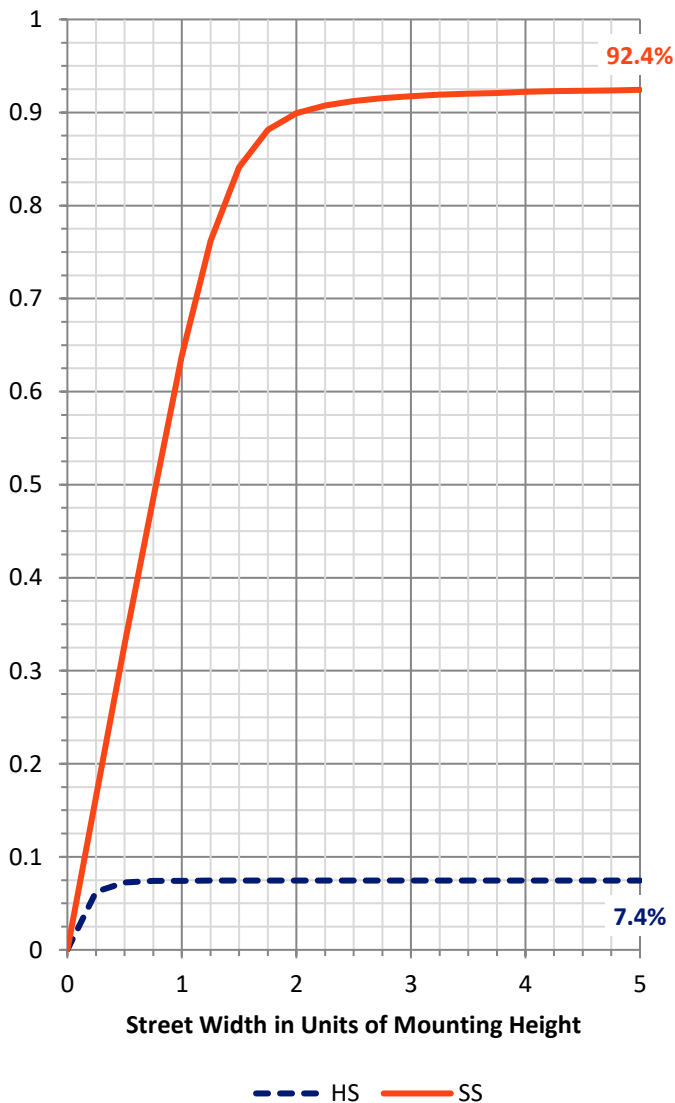
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2472.3	0.0	2472.3
	% Fixture	7.5	0.0	7.5
<b>Street Side</b>	Lumens	30453.9	0.0	30453.9
	% Fixture	92.5	0.0	92.5
<b>Total</b>	Lumens	32926.2	0.0	32926.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	387.4	1.2
10°-20°	1066.2	3.2
20°-30°	1771.2	5.4
30°-40°	3042.3	9.2
40°-50°	5511.5	16.7
50°-60°	8712.1	26.5
60°-70°	8865.2	26.9
70°-80°	3380.8	10.3
80°-90°	189.5	0.6
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°	32926.2	100.0
0°-180°	32926.2	100.0

**Coefficient of Utilization**

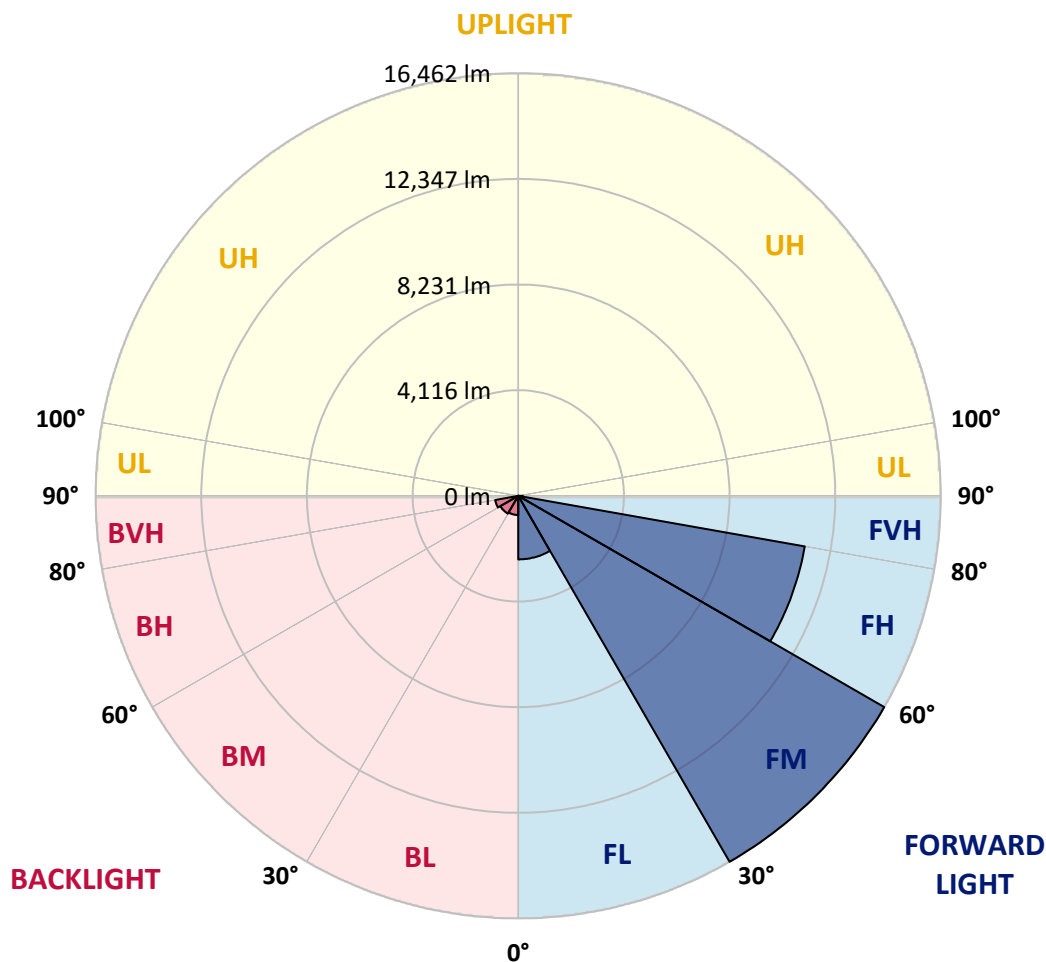


REPORT NUMBER: P575138  
 CATALOG NUMBER: EPH-VN-06-740-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2477.1	7.5			
FM (30°-60°)	16462.4	50.0			
FH (60°-80°)	11334.6	34.4			G4/12000
FVH (80°-90°)	179.8	0.5			G2/225
BL (0°-30°)	747.7	2.3	B2/1000		
BM (30°-60°)	803.5	2.4	B1/1000		
BH (60°-80°)	911.4	2.8	B2/1000		G2/1000
BVH (80°-90°)	9.7	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-G4**  
 Type II Short





REPORT NUMBER: P575138  
 CATALOG NUMBER: EPH-VN-06-740-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	4096.4	4096.4	4096.4	4096.4	4096.4	4096.4	4096.4	4096.4	4096.4	4096.4
2.5°	4639.6	4634.5	4614.2	4578.6	4533.0	4517.7	4451.7	4360.4	4309.6	4253.8
5°	4959.4	4934.0	4994.9	4969.5	4979.7	4857.8	4776.6	4710.6	4517.7	4441.6
7.5°	5030.4	5055.8	5050.7	5091.3	5131.9	5177.6	5121.8	5025.3	4832.5	4720.8
10°	5030.4	5020.3	5060.9	5116.7	5233.5	5335.0	5487.3	5360.4	5213.2	5081.2
12.5°	4939.1	4923.8	4964.4	5081.2	5289.3	5497.4	5664.9	5786.8	5578.6	5472.0
15°	4659.9	4644.6	4812.1	5020.3	5294.4	5634.5	5984.7	6182.7	6040.6	5873.1
17.5°	4314.7	4335.0	4512.7	4857.8	5294.4	5700.5	6147.2	6578.6	6558.3	6345.1
20°	4197.9	4213.2	4390.8	4639.6	5137.0	5746.2	6401.0	7010.1	7131.9	6878.1
22.5°	4421.3	4406.1	4421.3	4573.6	5030.4	5705.5	6568.5	7502.5	7720.8	7522.8
25°	5182.7	5172.6	5045.7	4812.1	4969.5	5614.2	6654.8	7827.4	8329.9	8147.2
27.5°	6299.4	6258.8	6060.9	5573.6	5253.8	5670.0	6796.9	8142.1	8862.9	8654.8
30°	7497.4	7401.0	7142.1	6533.0	5989.8	5878.1	6878.1	8375.6	9456.8	9192.8
32.5°	8324.8	8451.7	8370.5	7751.2	6918.7	6360.4	7010.1	8670.0	10005.0	9832.4
35°	9604.0	9751.2	9411.1	8862.9	8025.3	7126.9	7289.3	8908.6	10847.6	10558.3
37.5°	11218.2	11329.9	11086.2	10045.6	9162.4	8071.0	7862.9	9406.0	11573.5	11436.5
40°	12030.4	12568.4	12223.3	11284.2	10335.0	9390.8	8812.1	9989.8	12837.5	12725.8
42.5°	13152.2	13421.2	13243.6	12548.1	11558.3	10802.0	9984.7	11126.8	14370.5	14370.5
45°	14340.0	14350.2	14340.0	13771.5	12893.3	12502.5	11568.4	12553.2	16020.2	16202.9
47.5°	15314.6	15619.2	15593.8	15253.7	14573.5	14426.3	13152.2	14177.6	18091.2	18411.0
50°	15817.2	16157.2	16258.8	16436.4	16406.0	16715.6	14883.1	16060.8	19878.0	20664.8
52.5°	15680.1	15705.5	16329.8	17030.3	18147.1	19015.1	16969.4	18197.8	21969.4	22746.0
55°	14558.3	14461.8	15746.1	16548.1	18857.7	20421.2	19857.7	20862.8	23598.8	24781.6
57.5°	12096.4	12121.7	13309.6	14939.0	18329.8	20979.6	22944.0	24345.0	25883.1	27076.0
60°	8350.2	8319.7	9649.7	11532.9	15228.3	19938.9	24720.6	28857.7	28938.9	30629.2
62.5°	4695.4	4705.6	5715.7	7324.8	10654.7	16294.3	24634.3	33649.5	33304.3	34786.6
65°	2659.9	2725.9	3421.3	4340.1	6380.7	10939.0	21187.7	35558.1	36669.8	37989.6
66°	2248.7	2294.4	2888.3	3583.7	5091.3	8873.0	19070.9	35187.6	37725.6	38730.7
67.5°	1741.1	1802.0	2299.5	2842.6	3736.0	6142.1	15350.1	33344.9	37918.5	38507.4
70°	1192.9	1233.5	1614.2	2157.3	2553.3	3142.1	9177.6	27568.3	34405.9	34903.3
72.5°	837.6	857.9	1132.0	1634.5	1964.5	1796.9	4553.3	19614.1	26329.8	27299.3
75°	604.1	624.4	776.6	1172.6	1533.0	1177.7	2086.3	12527.8	16147.1	16908.5
77.5°	436.5	461.9	527.9	756.3	1111.7	827.4	1025.4	6543.1	7614.2	7482.2
80°	264.0	289.3	390.9	487.3	812.2	583.8	563.4	2730.9	2700.5	2563.4
82.5°	121.8	142.1	208.1	329.9	568.5	406.1	269.0	974.6	852.8	781.7
85°	35.5	45.7	121.8	248.7	289.3	198.0	162.4	335.0	350.3	299.5
87.5°	0.0	5.1	55.8	60.9	86.3	66.0	60.9	86.3	162.4	132.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P575138

CATALOG NUMBER: EPH-VN-06-740-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4096.4	0°	4096.4	4096.4	4096.4	4096.4	4096.4	4096.4	4096.4	4096.4	4096.4	4096.4
4228.4	2.5°	4137.0	4101.5	4015.2	3883.2	3766.5	3705.6	3619.3	3543.1	3502.5	3497.4
4319.8	5°	4238.5	4142.1	3934.0	3695.4	3517.7	3324.9	3192.9	3096.4	3005.1	2918.8
4588.8	7.5°	4375.6	4223.3	3883.2	3573.6	3187.8	2939.1	2705.6	2568.5	2487.3	2411.2
4842.6	10°	4588.8	4395.9	3847.7	3289.3	2847.7	2482.2	2243.6	2045.7	1934.0	1802.0
5162.4	12.5°	4878.1	4533.0	3715.7	3030.4	2461.9	2076.1	1736.0	1416.2	1238.6	1101.5
5527.9	15°	5167.5	4715.7	3593.9	2715.7	2111.7	1604.0	1106.6	888.3	837.6	807.1
5984.7	17.5°	5451.7	4862.9	3406.1	2395.9	1710.6	1020.3	807.1	761.4	736.0	705.6
6406.0	20°	5796.9	4959.4	3172.6	2101.5	1177.7	756.3	690.4	659.9	619.3	578.7
6959.3	22.5°	6131.9	5040.6	2903.5	1725.9	791.9	654.8	578.7	538.1	502.5	461.9
7406.0	25°	6467.0	5066.0	2553.3	1238.6	639.6	522.8	451.8	395.9	360.4	324.9
7807.1	27.5°	6695.4	4908.6	2223.3	791.9	512.7	395.9	314.7	269.0	238.6	203.0
8157.3	30°	6827.4	4619.3	1868.0	558.4	385.8	269.0	187.8	142.1	111.7	86.3
8756.3	32.5°	6959.3	4385.8	1467.0	426.4	253.8	142.1	71.1	25.4	0.0	0.0
9314.7	35°	7223.3	4121.8	984.8	238.6	86.3	5.1	0.0	0.0	0.0	0.0
10030.4	37.5°	7390.8	3756.3	451.8	35.5	0.0	0.0	0.0	0.0	0.0	0.0
11020.2	40°	7812.1	3573.6	111.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12360.3	42.5°	8497.4	3446.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13964.4	45°	9248.7	3395.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15527.8	47.5°	10248.7	3533.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17538.0	50°	11304.5	3903.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19091.2	52.5°	12461.8	4253.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20695.3	55°	13472.0	4675.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22949.1	57.5°	15329.8	5670.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26994.7	60°	18664.8	7624.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31593.7	62.5°	22421.2	9076.1	55.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34385.6	65°	23796.8	9040.5	96.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0
34329.7	66°	23553.1	8543.1	96.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0
33360.2	67.5°	22289.2	7588.8	86.3	10.2	0.0	0.0	0.0	0.0	0.0	0.0
28994.7	70°	19142.0	6269.0	86.3	15.2	0.0	0.0	0.0	0.0	0.0	0.0
22553.1	72.5°	14593.8	4883.2	81.2	20.3	5.1	0.0	0.0	0.0	0.0	0.0
13583.7	75°	8807.0	2599.0	66.0	25.4	10.2	0.0	0.0	0.0	0.0	0.0
5842.6	77.5°	3507.6	913.7	50.8	20.3	10.2	0.0	0.0	0.0	0.0	0.0
1837.6	80°	949.2	274.1	30.5	20.3	15.2	5.1	0.0	0.0	0.0	0.0
517.8	82.5°	248.7	101.5	25.4	20.3	10.2	5.1	0.0	0.0	0.0	0.0
172.6	85°	96.4	40.6	20.3	15.2	15.2	10.2	5.1	0.0	0.0	0.0
55.8	87.5°	30.5	15.2	15.2	10.2	10.2	5.1	5.1	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

(END O



