

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: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A35-MNB-LTM**

Issue Date: 11/13/2024

**Test Information**

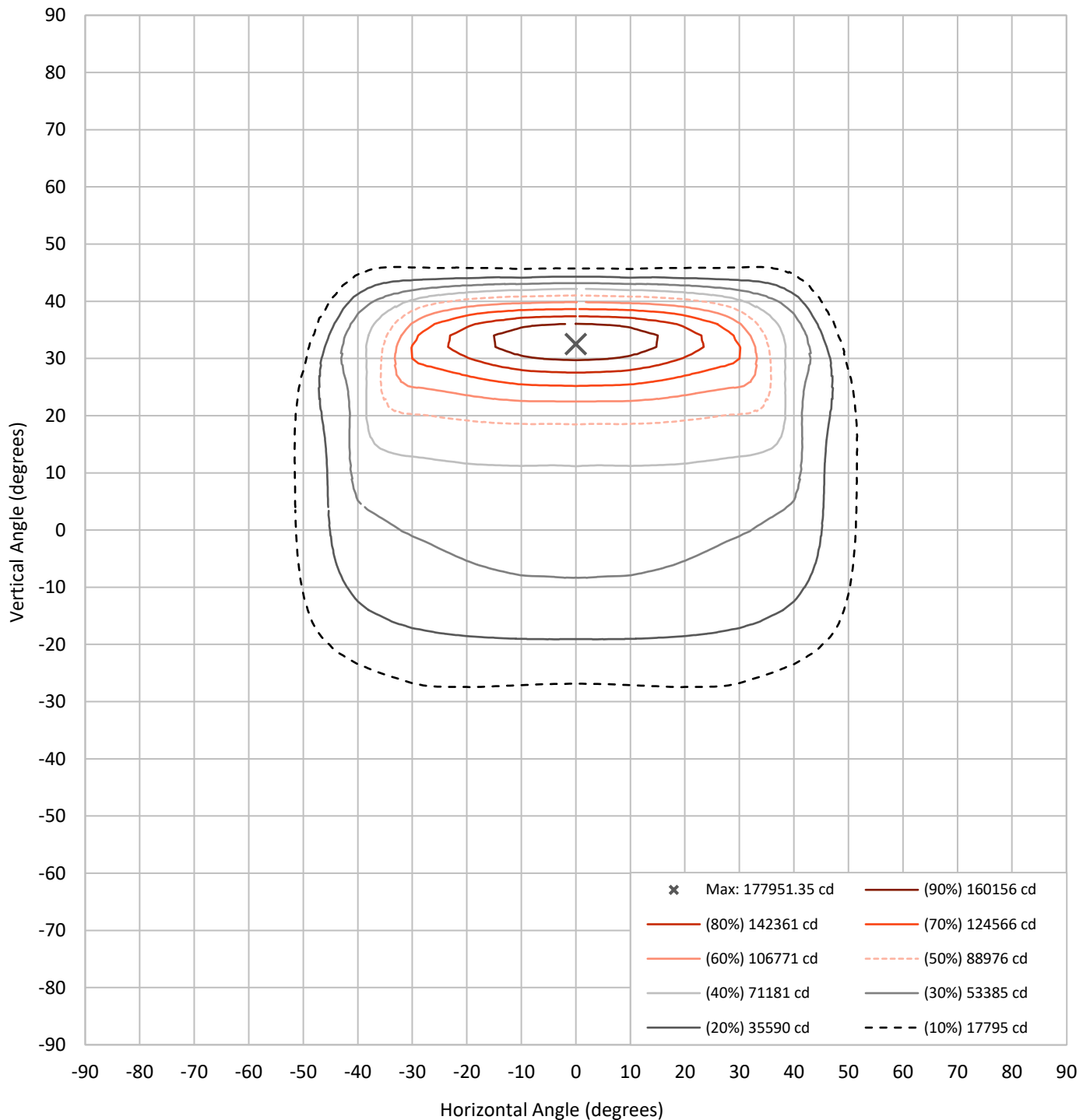
Test Method: LM-79-08  
Report Number: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2I46900)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A35-MNB-LTM  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A35-MNB-LTM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	133698.3 lumens	Max Intensity:	177951.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 32.5°V
Efficacy:	94.6 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	70.4°H x 22.5°V	Field Angle (10%):	97.6°H x 72.3°V
Beam Lumens:	51683.4 lumens	Field Lumens:	125834.3 lumens
Beam Efficiency:	38.7%	Field Efficiency:	94.1%
Input Watts (W):	1413		
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:	25 FT		

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CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

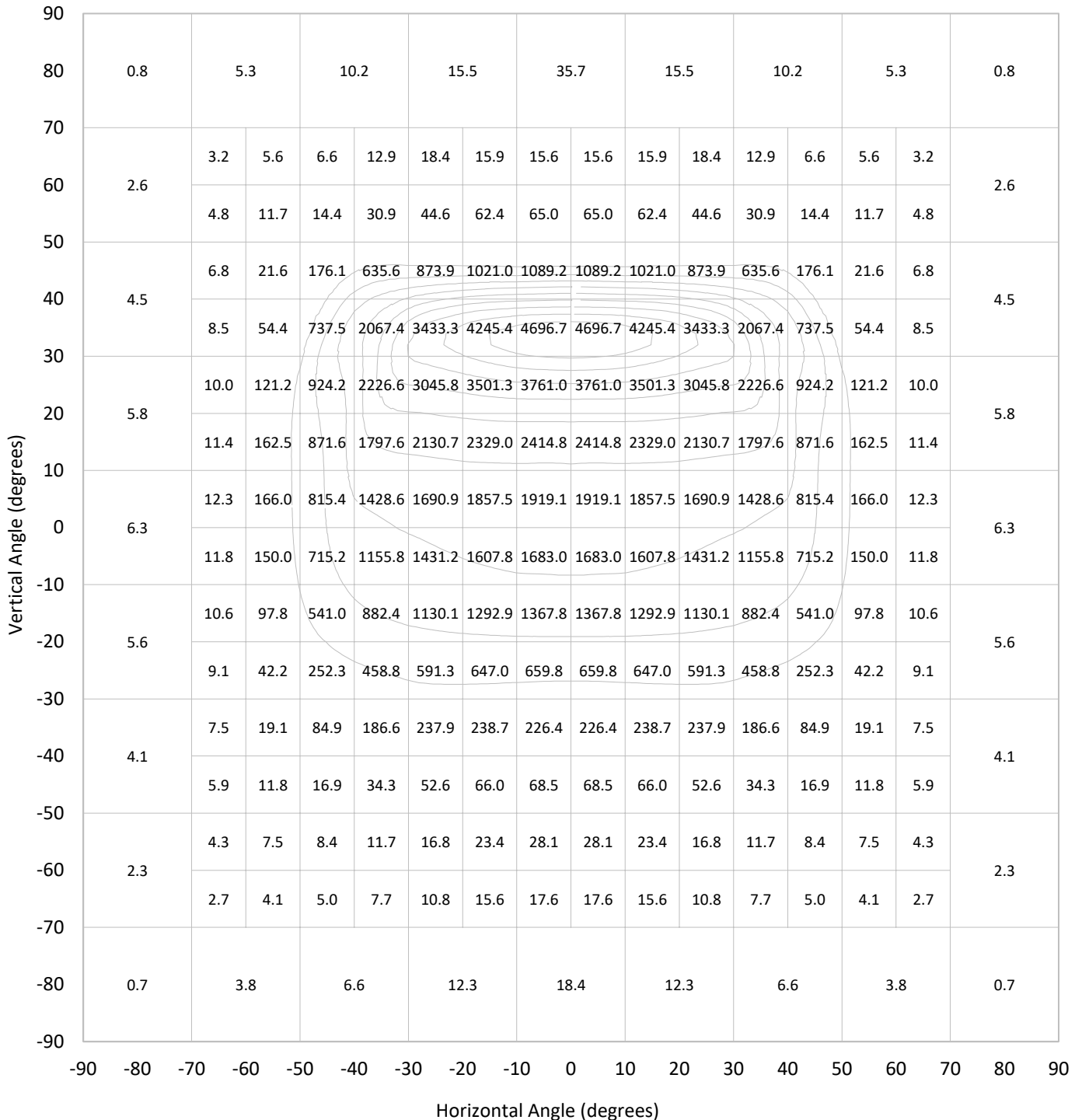
### Iso-Candela Plot





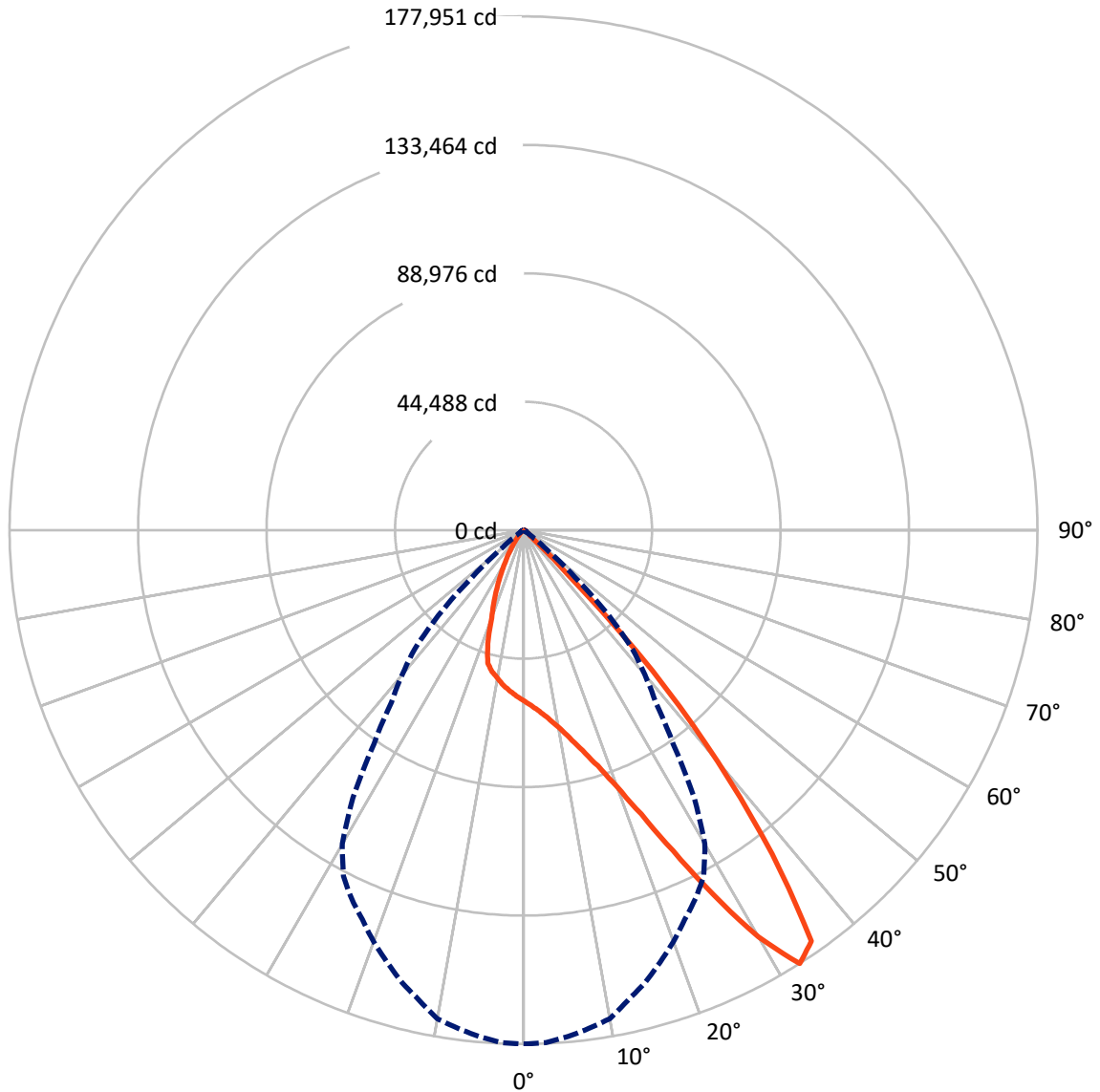
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### Lumen Table



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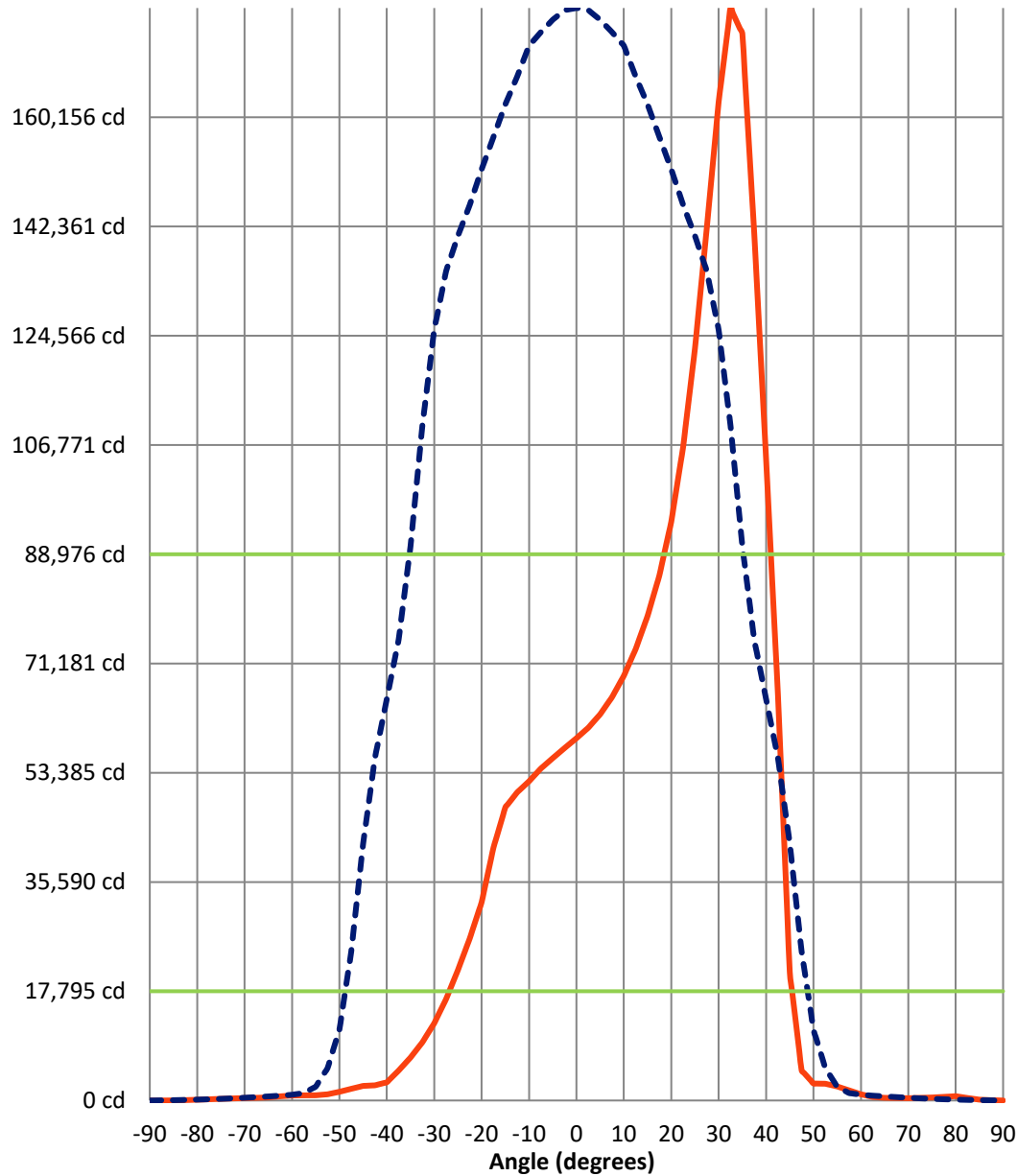
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through 32.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 70.4°  
 V Angle: 22.5°  
 Lumens: 51683.4  
 Efficiency: 38.7%

**Field:**  
 H Angle: 97.6°  
 V Angle: 72.3°  
 Lumens: 125834.3  
 Efficiency: 94.1%

**Spill:**  
 Lumens: 7864  
 Efficiency: 5.9%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through 32.5-Deg



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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.5	3.2	4.7	6.7	8.7	11.3	13.7	16.9	19.5	21.4
85°	0.0	3.0	6.3	9.5	13.3	17.4	22.5	27.3	33.7	39.0	42.8
82.5°	0.0	4.5	9.5	14.2	19.9	26.0	33.7	40.6	49.4	57.5	64.0
80°	0.0	6.0	12.6	18.8	26.4	34.3	44.0	53.2	64.4	75.6	85.7
77.5°	0.0	7.5	15.7	23.5	32.6	41.6	54.1	65.6	80.2	96.3	110.4
75°	0.0	9.0	18.7	28.1	38.2	48.9	63.9	80.0	98.2	117.4	135.8
72.5°	0.0	10.4	21.8	32.5	43.7	55.9	75.4	95.3	115.9	140.2	163.6
70°	0.0	11.8	24.7	36.9	49.2	64.3	87.3	110.3	136.4	163.8	190.3
67.5°	0.0	13.2	27.6	41.2	54.7	73.9	98.7	127.4	156.8	186.1	215.2
65°	0.0	14.6	30.3	45.3	61.2	83.3	111.2	144.4	176.2	207.0	241.6
62.5°	0.0	16.0	32.9	49.4	68.7	92.4	124.8	160.7	194.0	228.8	272.2
60°	0.0	17.3	35.3	53.4	75.8	102.5	138.0	175.1	211.1	256.7	301.3
57.5°	0.0	18.5	37.7	57.3	82.8	113.8	150.8	189.0	233.9	284.1	328.0
55°	0.0	19.7	39.9	62.1	89.5	124.8	162.4	202.2	257.8	309.4	355.2
52.5°	0.0	20.9	42.1	66.8	96.3	135.4	173.9	221.9	281.0	333.9	393.3
50°	0.0	22.1	44.2	71.3	104.0	145.3	184.9	241.9	302.4	360.5	429.6
47.5°	0.0	23.2	46.1	75.6	111.2	153.6	196.2	261.2	323.4	390.5	470.2
45°	0.0	24.2	47.9	79.7	118.0	161.4	212.0	279.1	343.2	418.7	510.0
42.5°	0.0	25.2	49.6	83.5	124.4	168.7	226.9	295.2	366.6	448.3	545.7
40°	0.0	26.1	51.1	86.9	130.4	175.6	240.5	310.0	388.8	477.6	576.4
37.5°	0.0	27.0	52.6	89.9	136.0	181.9	252.5	323.5	409.9	506.1	603.4
35°	0.0	27.8	54.3	93.3	140.9	190.0	262.8	337.8	429.9	532.5	629.7
32.5°	0.0	28.4	56.0	96.5	145.3	198.6	271.6	351.6	450.0	556.3	664.3
30°	0.0	29.0	57.6	99.5	149.2	206.5	279.2	363.7	468.3	576.0	698.0
27.5°	0.0	29.6	59.1	102.1	152.4	213.6	286.3	374.4	484.8	594.0	728.8
25°	0.0	30.1	60.5	104.5	155.2	219.9	292.5	383.8	499.6	614.6	753.1
22.5°	0.0	30.5	61.7	106.5	157.6	225.5	297.7	394.1	512.4	635.6	775.9
20°	0.0	30.9	62.7	108.2	159.7	230.7	302.6	405.0	524.4	654.3	797.0
17.5°	0.0	31.2	63.6	109.9	161.3	235.3	309.2	414.5	535.3	672.1	815.8
15°	0.0	31.5	64.3	111.4	162.6	238.8	315.3	423.2	544.4	690.3	837.7
12.5°	0.0	31.7	64.9	112.7	164.0	241.4	320.2	431.1	552.3	707.1	862.1
10°	0.0	31.9	65.3	113.6	165.1	243.4	324.0	437.3	558.8	724.1	886.2
7.5°	0.0	32.0	65.5	114.2	165.8	244.7	326.9	441.7	563.5	739.7	911.8
5°	0.0	32.1	65.6	114.4	166.2	245.3	328.8	444.6	566.8	749.7	931.9
2.5°	0.0	32.1	65.5	114.4	166.1	245.3	329.5	445.6	568.3	751.8	932.9
0°	0.0	32.0	65.3	114.1	165.7	244.5	329.1	444.9	567.9	750.6	930.4
-2.5°	0.0	32.0	65.4	114.2	165.8	244.5	328.5	443.4	564.3	738.9	909.9
-5°	0.0	31.9	65.3	114.0	165.5	243.8	326.7	440.2	558.9	724.3	886.2
-7.5°	0.0	31.8	65.0	113.4	164.9	242.5	323.9	435.3	552.1	709.5	865.6
-10°	0.0	31.6	64.6	112.6	163.8	240.4	320.0	428.9	544.4	694.0	843.4
-12.5°	0.0	31.4	64.0	111.5	162.4	237.7	315.3	421.1	535.0	676.9	822.7
-15°	0.0	31.1	63.3	110.0	160.6	234.3	309.6	411.8	524.8	660.5	801.5
-17.5°	0.0	30.7	62.4	108.3	158.7	230.0	302.9	401.3	513.8	642.1	777.0
-20°	0.0	30.3	61.4	106.3	156.5	224.8	295.0	389.3	501.1	621.4	749.8



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	29.9	60.2	104.1	153.8	219.0	287.5	375.5	486.7	598.9	721.8
-25°	0.0	29.4	58.9	101.6	150.8	212.8	280.3	362.2	470.6	575.1	693.3
-27.5°	0.0	28.8	57.4	98.8	147.5	206.2	272.5	349.5	451.9	551.2	663.9
-30°	0.0	28.2	55.7	95.6	143.7	198.9	264.2	335.7	431.1	528.8	632.9
-32.5°	0.0	27.6	53.9	92.2	139.7	191.0	255.6	321.0	408.9	505.1	600.9
-35°	0.0	26.8	52.0	88.5	135.3	182.6	246.4	305.3	385.6	480.5	568.0
-37.5°	0.0	26.1	50.1	84.7	130.4	174.6	236.2	291.2	363.9	454.0	539.0
-40°	0.0	25.2	48.6	81.5	124.8	168.2	224.6	279.2	344.6	425.8	511.1
-42.5°	0.0	24.2	47.0	78.0	118.9	161.3	212.4	266.5	324.4	398.2	482.4
-45°	0.0	23.2	45.3	74.5	112.7	153.9	199.4	253.0	303.2	372.5	451.4
-47.5°	0.0	22.2	43.5	70.7	106.1	146.1	185.8	237.9	286.8	349.0	418.9
-50°	0.0	21.1	41.6	66.8	99.1	137.8	174.7	221.1	270.5	324.5	387.2
-52.5°	0.0	20.0	39.6	62.7	91.6	128.3	163.4	203.4	253.1	302.4	358.3
-55°	0.0	18.8	37.6	58.4	85.2	117.9	151.4	185.5	232.5	280.9	328.2
-57.5°	0.0	17.6	35.5	53.9	78.8	107.1	138.9	171.1	210.8	258.0	302.0
-60°	0.0	16.4	33.3	50.5	72.2	96.0	125.7	156.5	189.3	232.5	274.3
-62.5°	0.0	15.1	31.1	47.1	65.4	86.1	112.0	141.4	172.0	205.9	243.3
-65°	0.0	13.8	28.8	43.5	58.4	77.2	98.0	125.0	153.9	182.6	209.5
-67.5°	0.0	12.5	26.3	39.9	52.2	68.2	85.4	108.0	134.1	160.1	181.6
-70°	0.0	11.2	23.6	36.1	47.1	59.0	74.3	91.2	113.0	136.0	156.3
-72.5°	0.0	9.8	20.8	32.3	41.9	51.1	62.9	77.7	91.8	110.5	128.7
-75°	0.0	8.5	17.9	28.2	36.6	44.6	52.3	64.0	75.3	87.2	100.0
-77.5°	0.0	7.1	15.0	23.6	31.2	37.9	44.5	51.7	58.6	68.5	77.0
-80°	0.0	5.7	12.0	19.0	25.3	31.2	36.5	42.1	46.4	51.1	56.0
-82.5°	0.0	4.3	9.1	14.3	19.0	23.7	28.4	32.4	36.1	39.7	41.7
-85°	0.0	2.9	6.0	9.5	12.7	15.8	18.9	21.9	25.0	28.0	29.1
-87.5°	0.0	1.4	3.0	4.8	6.4	7.9	9.5	10.9	12.5	14.0	14.6
-90°	0.0	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):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.6	21.8	19.5	16.8	14.4	12.9	13.5	14.1	14.7	15.3	15.9
85°	46.7	43.6	39.0	32.2	28.0	24.3	25.2	26.1	26.8	27.4	28.3
82.5°	68.5	65.4	58.7	48.8	43.8	40.1	42.5	45.7	49.2	52.5	55.4
80°	92.7	91.7	85.2	72.5	64.6	62.7	67.5	74.2	83.0	91.2	97.1
77.5°	119.0	120.3	115.6	103.4	92.9	91.5	97.0	105.1	117.2	129.5	135.3
75°	148.7	153.3	149.6	135.9	121.2	117.3	124.4	136.2	157.0	184.6	201.8
72.5°	179.5	185.8	182.7	168.1	154.8	148.7	156.1	170.3	198.7	241.9	268.8
70°	209.1	217.9	226.5	220.5	199.0	181.7	185.2	199.6	234.9	290.3	335.0
67.5°	240.5	265.1	282.9	275.3	242.6	216.1	220.1	238.8	272.5	329.2	389.7
65°	280.0	312.5	335.2	331.2	302.7	266.9	265.5	288.5	319.8	366.0	431.7
62.5°	315.3	351.8	388.0	407.8	383.8	341.6	322.5	338.5	368.4	413.2	467.4
60°	345.2	397.5	455.5	498.1	491.3	428.6	380.9	398.9	440.2	474.8	505.9
57.5°	379.1	451.9	537.0	602.0	608.1	532.3	477.4	476.4	516.7	545.2	568.6
55°	420.6	513.6	625.8	699.7	737.4	693.8	606.6	569.8	601.6	632.6	675.7
52.5°	464.1	575.5	694.7	798.5	880.0	846.5	763.8	714.7	719.7	777.0	1281.6
50°	518.0	627.7	759.1	915.5	995.3	1053.2	1053.3	960.5	1188.0	2231.6	3529.4
47.5°	567.0	672.5	834.8	1014.0	1129.1	1345.5	1615.4	2008.4	3155.8	6917.4	9206.4
45°	609.1	728.9	900.2	1081.4	1323.7	1930.0	2775.7	4085.7	9633.5	15759.2	19642.3
42.5°	647.1	787.4	954.2	1164.0	1658.9	2879.5	4670.4	9667.9	19022.9	28133.9	36031.9
40°	690.6	834.2	1003.1	1232.5	1929.8	4517.5	8923.9	16515.9	30514.9	43045.4	52541.4
37.5°	728.2	870.7	1054.1	1420.7	2811.4	6568.0	13311.4	24929.9	42063.5	55152.8	64547.5
35°	760.2	901.6	1107.2	1578.9	3729.8	8557.4	18141.6	34965.0	51065.8	62728.8	72096.6
32.5°	785.5	936.3	1214.2	2259.1	5281.8	11551.0	24296.0	41822.9	55810.9	65407.4	75100.3
30°	812.6	969.9	1285.5	2732.8	6533.5	14233.6	30535.6	45846.7	55685.0	63958.1	75467.9
27.5°	850.4	1015.6	1535.2	3504.7	8307.1	18388.1	33340.2	45521.5	53612.0	62131.4	76026.2
25°	890.5	1084.2	1781.4	4186.3	9735.2	21574.3	34855.1	43970.3	51013.0	60259.6	77254.0
22.5°	920.7	1135.4	1951.3	4580.9	11117.9	23230.3	34327.7	41983.8	49421.9	60959.9	77516.0
20°	945.9	1176.3	2223.2	5422.5	12805.3	24112.9	33275.1	40113.3	47997.5	60985.0	76970.2
17.5°	970.9	1293.0	2536.4	5930.4	13753.2	24602.0	32311.8	38820.0	48024.3	61648.5	73702.9
15°	996.4	1369.9	2728.5	6210.8	14115.8	24219.1	31211.8	38015.8	48150.0	61898.3	70893.4
12.5°	1028.5	1413.0	2830.9	6409.1	14394.2	23617.6	30322.7	37414.4	48181.6	60529.9	66584.1
10°	1056.9	1437.4	2874.1	6782.5	14491.9	23149.7	29621.5	37069.9	48232.8	58306.3	62721.1
7.5°	1084.8	1435.8	2979.2	6925.5	14580.7	22795.6	29108.6	37068.1	47732.9	55876.4	59156.8
5°	1107.9	1414.1	3031.9	6934.7	14577.2	22544.0	28805.1	36907.4	46719.5	53238.4	55768.9
2.5°	1106.8	1389.1	3038.2	6864.6	14473.1	22325.0	28544.1	36580.1	45274.0	50490.4	52619.3
0°	1099.8	1359.3	2997.7	6774.0	14209.6	21962.6	28236.5	35961.1	43396.3	47648.1	49680.0
-2.5°	1075.9	1335.5	2930.4	6659.6	13781.5	21535.3	27892.4	35100.3	41330.9	44930.6	46994.9
-5°	1048.7	1304.5	2770.9	6384.9	13092.7	20879.5	27351.9	33980.5	39219.7	42359.6	44415.6
-7.5°	1024.2	1267.3	2516.7	5950.7	12154.4	19914.9	26539.2	32614.5	37101.8	39882.1	41882.7
-10°	997.2	1226.5	2209.6	5337.6	10981.1	18604.3	25476.9	31130.5	35044.1	37537.8	39402.5
-12.5°	973.7	1183.1	2012.2	4564.3	9564.7	16872.6	23979.7	29597.7	33288.3	35632.1	37365.1
-15°	946.4	1134.9	1799.2	3923.1	7889.5	14498.5	21580.5	27062.5	30684.5	33269.0	34959.6
-17.5°	912.1	1080.8	1580.4	3261.1	6565.0	11595.2	18120.5	22910.6	26251.2	28488.7	30208.1
-20°	876.6	1020.3	1358.3	2581.5	5199.2	9127.8	14147.4	18433.4	21271.6	23169.6	24776.1



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	841.5	974.7	1195.1	1912.1	3943.4	6998.4	10891.5	14683.9	17158.6	19023.2	20486.0
-25°	805.0	929.0	1115.9	1636.9	3049.0	5455.4	8428.6	11692.6	13902.1	15656.5	16914.7
-27.5°	768.6	881.0	1030.9	1370.4	2321.7	4259.8	6762.9	9275.3	11244.2	12760.4	13891.4
-30°	733.5	837.1	955.3	1152.4	1681.5	3172.1	5375.9	7363.7	9006.2	10356.8	11333.2
-32.5°	699.7	796.4	902.0	1052.5	1389.7	2374.5	4058.8	5508.4	6793.9	8296.3	9201.2
-35°	666.0	755.9	847.4	955.7	1103.2	1614.6	2831.4	3486.7	4630.5	6019.4	7126.3
-37.5°	630.6	717.5	803.4	888.9	985.5	1246.4	1684.7	2043.2	2643.6	3786.4	4843.3
-40°	594.8	679.9	760.9	817.2	871.7	947.8	1112.3	1252.7	1479.6	1959.2	2743.3
-42.5°	559.0	641.6	710.3	756.3	791.8	793.2	800.6	855.9	983.5	1174.9	1375.3
-45°	526.4	601.1	658.7	693.4	701.8	678.3	650.5	652.3	754.1	859.8	920.1
-47.5°	492.8	556.7	607.1	634.5	623.9	580.9	544.4	563.2	631.1	698.8	734.4
-50°	456.7	513.7	551.9	568.7	550.1	501.9	461.3	486.6	529.9	556.2	567.1
-52.5°	419.5	470.4	500.1	504.5	479.0	436.2	410.4	425.2	450.1	457.5	473.3
-55°	381.8	425.1	450.1	447.0	414.1	376.3	364.7	378.2	396.1	410.8	429.6
-57.5°	345.1	378.8	396.0	390.0	356.9	323.6	321.8	341.2	355.8	375.8	399.3
-60°	310.3	335.1	346.1	334.5	305.3	282.8	285.2	303.6	319.6	339.5	365.6
-62.5°	275.7	294.0	300.5	284.0	257.5	242.6	251.7	266.8	282.6	301.7	325.2
-65°	238.2	254.8	258.1	238.7	215.0	202.6	215.7	229.1	245.2	263.2	283.1
-67.5°	199.6	213.9	215.0	199.5	179.0	170.1	182.5	192.3	205.6	221.4	239.1
-70°	170.0	175.0	173.8	161.7	147.6	144.6	153.4	160.0	169.5	179.9	192.1
-72.5°	142.3	145.0	138.9	125.5	116.4	118.4	127.1	132.7	138.3	145.7	154.0
-75°	112.0	114.1	109.3	98.7	90.4	92.4	98.4	103.4	108.5	116.2	124.9
-77.5°	83.9	82.3	79.0	71.8	67.0	70.6	76.0	77.6	80.2	85.7	91.2
-80°	62.3	58.5	54.1	46.7	42.9	46.7	50.8	51.6	53.8	58.1	62.4
-82.5°	44.7	38.7	34.6	29.4	26.9	28.9	29.9	28.7	28.6	30.4	30.9
-85°	31.4	26.7	24.3	19.5	16.6	17.2	17.1	15.2	13.7	14.1	13.1
-87.5°	16.0	13.7	12.8	10.6	8.9	9.3	10.0	9.1	8.0	8.3	8.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.3	18.3	17.1	19.0	19.5	19.8	20.2	22.1	24.0	29.2	34.1
85°	29.8	33.4	33.3	36.5	39.2	40.4	43.0	45.8	50.2	60.3	75.5
82.5°	59.1	64.0	65.8	68.7	72.1	74.5	77.4	83.7	93.4	113.5	162.7
80°	102.2	106.7	108.2	108.8	110.7	113.3	117.0	125.8	139.8	169.1	257.9
77.5°	143.8	154.8	158.0	155.6	153.8	155.2	155.8	162.0	171.9	193.1	247.9
75°	212.4	225.1	222.3	207.3	198.5	197.1	193.4	195.1	200.5	213.5	235.3
72.5°	278.4	302.0	309.4	288.1	264.5	250.3	242.2	238.6	239.8	247.5	258.6
70°	365.5	421.1	456.8	429.5	369.9	319.8	298.5	289.2	284.6	286.0	292.9
67.5°	457.3	555.0	621.7	585.0	493.7	424.7	393.2	375.3	354.6	343.8	342.0
65°	522.9	640.7	731.5	735.2	692.2	604.5	523.9	465.3	418.0	400.2	395.1
62.5°	540.9	669.4	795.2	862.5	879.1	809.4	737.4	697.4	652.5	612.8	580.4
60°	555.9	676.7	809.6	911.5	993.3	1028.5	1083.7	1186.4	1166.4	1126.4	1074.9
57.5°	605.0	690.8	780.3	931.8	1111.6	1295.4	1573.2	1829.7	1896.2	1889.3	1820.6
55°	724.8	904.0	959.2	1150.2	1376.9	1677.0	2015.7	2239.4	2345.5	2409.0	2346.1
52.5°	1481.6	1776.5	1734.9	1787.4	1824.1	1954.0	2160.0	2255.5	2373.0	2482.5	2544.9
50°	3977.5	3958.4	3284.9	3212.3	2972.1	2967.8	2964.7	2802.3	2866.4	2878.8	2840.4
47.5°	9771.1	9888.4	8480.3	8038.1	7171.7	7502.4	6982.1	6202.6	6287.8	5739.8	5014.9
45°	22755.6	23471.2	22733.4	22827.1	21728.8	23083.0	22231.0	22267.5	22562.2	20747.8	19644.9
42.5°	41131.7	44355.2	47447.1	50216.6	52385.1	54981.3	56969.4	58367.9	60811.8	62468.0	62674.9
40°	59550.2	66263.3	73576.1	80652.2	85933.2	89861.9	94115.2	97166.6	99356.5	101182.3	101857.2
37.5°	73451.3	83946.7	96734.9	107584.5	114516.1	120498.6	126227.2	130203.9	133324.4	135409.4	138419.2
35°	83418.7	99435.5	115955.5	127950.8	136242.5	141833.5	148584.0	153366.4	159493.3	162852.5	168016.6
32.5°	90307.6	109910.8	125515.3	135070.3	140831.0	145900.5	151681.1	156947.0	162250.7	166793.4	171808.8
30°	94047.4	112587.3	124630.7	130112.2	133145.8	137234.8	141495.7	145774.4	150181.2	154007.3	157399.1
27.5°	95350.5	110235.4	117162.0	119080.6	121332.4	124342.3	127344.8	130694.0	133775.5	136426.4	138794.5
25°	95256.3	103617.8	106623.6	107566.4	109339.7	111415.4	113528.4	115696.5	117822.8	119476.2	120937.5
22.5°	89990.2	95128.5	96662.5	97211.5	98665.9	100059.9	101395.7	102881.2	104139.2	105116.1	105948.6
20°	84689.4	87335.1	88184.5	88516.4	89797.8	90692.8	91549.5	92468.8	93244.8	93825.3	94101.0
17.5°	78674.5	80571.5	81096.4	81508.6	82541.4	83178.8	83803.8	84394.8	84858.8	85102.9	85182.3
15°	73444.6	74819.1	75347.6	75779.2	76594.3	77115.9	77662.8	78066.4	78278.3	78473.1	78535.9
12.5°	68603.2	69928.0	70411.6	70928.6	71614.3	72093.9	72640.3	72942.2	73109.2	73178.2	73332.2
10°	64354.4	65753.0	66287.7	66842.2	67503.7	68025.4	68519.3	68811.3	68939.0	69097.5	69141.8
7.5°	60623.7	62014.2	62703.3	63355.2	64045.2	64575.9	65144.5	65481.5	65672.7	65798.1	65794.6
5°	57286.7	58792.2	59580.2	60307.7	61071.7	61717.0	62325.9	62749.8	62992.8	63086.9	63074.0
2.5°	54267.8	55983.7	56866.9	57686.2	58518.5	59254.4	59962.1	60444.0	60710.4	60860.5	60884.8
0°	51417.0	53313.8	54394.1	55211.9	56139.8	56987.2	57752.6	58280.9	58635.7	58879.3	59002.9
-2.5°	48783.1	50786.1	52082.1	52991.8	53993.2	54870.8	55634.5	56209.6	56623.3	56944.2	57136.0
-5°	46218.7	48367.1	49907.0	50929.6	51972.7	52865.1	53664.9	54325.2	54780.3	55160.6	55432.8
-7.5°	43731.5	45930.2	47666.3	48869.4	49988.9	50941.1	51809.1	52477.1	52998.9	53429.4	53752.6
-10°	41213.9	43366.2	45244.4	46468.9	47653.4	48665.0	49609.0	50308.5	50867.1	51301.1	51666.2
-12.5°	39104.6	41128.4	43019.6	44176.8	45452.8	46508.0	47441.7	48159.9	48710.5	49173.2	49546.3
-15°	36702.5	38572.4	40374.2	41629.9	42893.1	44081.3	44989.7	45658.1	46244.5	46775.7	47269.7
-17.5°	31704.2	33305.2	34941.5	35933.7	37052.1	37940.1	38777.4	39411.0	39889.0	40277.8	40672.5
-20°	26006.7	27213.2	28466.6	29312.4	29944.0	30607.0	31067.5	31521.3	31896.5	32184.2	32313.1



REPORT NUMBER: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21767.4	22918.4	23992.6	24704.5	25139.3	25567.5	25879.9	26091.9	26296.9	26389.4	26387.8
-25°	18092.5	19296.1	20359.0	21019.2	21269.2	21509.9	21649.4	21756.1	21763.5	21681.7	21574.4
-27.5°	14776.4	15636.8	16664.0	17451.4	17579.8	17646.1	17647.4	17563.1	17460.9	17215.1	17056.1
-30°	12037.2	12663.9	13382.5	14076.3	14313.4	14223.8	14095.7	13915.4	13681.1	13388.1	13161.0
-32.5°	9723.8	10144.7	10607.7	11115.6	11389.0	11278.0	11111.7	10841.0	10582.9	10286.2	10077.4
-35°	7658.3	7910.8	8151.2	8439.1	8653.9	8595.1	8379.1	8145.3	7874.8	7660.7	7452.0
-37.5°	5521.0	5725.4	5825.7	5922.9	6016.4	6016.6	5842.6	5638.7	5434.9	5292.1	5161.2
-40°	3366.7	3743.8	3756.2	3762.0	3696.9	3787.8	3654.5	3617.2	3452.0	3349.9	3299.5
-42.5°	1791.3	2084.5	2314.4	2365.9	2444.5	2577.6	2558.9	2614.9	2566.4	2515.0	2554.3
-45°	1045.1	1220.9	1374.7	1551.6	1767.1	2024.2	2254.9	2334.5	2337.6	2378.5	2395.1
-47.5°	774.1	817.0	840.7	945.1	1050.1	1313.1	1589.5	1740.5	1779.2	1816.8	1858.3
-50°	576.4	601.9	612.5	670.3	720.4	830.2	968.2	1057.8	1142.5	1222.6	1309.0
-52.5°	489.6	520.4	552.9	596.1	640.2	690.4	743.0	786.1	812.5	877.5	947.0
-55°	455.5	487.0	525.9	567.1	603.8	634.0	660.9	699.1	744.6	779.7	804.0
-57.5°	430.0	461.4	497.6	534.0	563.0	581.6	603.2	658.1	727.0	756.9	782.4
-60°	396.9	429.1	461.4	489.2	509.5	523.4	555.0	628.6	693.2	723.1	741.5
-62.5°	353.6	385.7	414.4	435.9	449.6	463.4	512.9	590.0	634.0	654.5	669.5
-65°	307.8	336.9	360.1	375.8	386.8	406.5	457.3	520.3	552.9	565.9	583.0
-67.5°	260.6	284.3	302.8	313.6	324.2	345.2	382.3	422.1	452.2	474.6	496.8
-70°	208.2	227.6	244.4	256.0	267.2	284.5	309.0	334.3	358.7	383.7	407.8
-72.5°	164.3	177.1	188.8	197.9	206.7	218.9	235.1	253.2	271.8	291.8	312.6
-75°	131.8	139.9	147.0	152.7	158.8	165.5	172.6	183.9	194.5	208.5	225.1
-77.5°	97.8	105.0	109.6	114.1	119.4	124.7	130.0	138.0	144.6	152.1	164.5
-80°	66.7	72.3	74.4	76.5	79.5	82.4	84.6	90.2	92.6	97.5	104.2
-82.5°	32.5	35.0	37.5	38.5	40.9	42.6	43.1	47.6	50.1	52.8	55.9
-85°	12.1	11.5	12.2	11.9	12.7	12.1	11.3	11.7	13.9	13.0	13.7
-87.5°	7.4	7.5	6.0	6.0	6.1	6.0	5.9	4.3	4.5	4.2	5.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	41.4	48.7	51.7	53.1	51.7	48.7	41.4	34.1	29.2	24.0	22.1
85°	99.1	121.0	135.8	138.8	135.8	121.0	99.1	75.5	60.3	50.2	45.8
82.5°	252.9	335.7	394.0	405.9	394.0	335.7	252.9	162.7	113.5	93.4	83.7
80°	423.4	574.4	681.7	702.6	681.7	574.4	423.4	257.9	169.1	139.8	125.8
77.5°	356.9	463.7	558.0	591.8	558.0	463.7	356.9	247.9	193.1	171.9	162.0
75°	292.0	362.0	443.6	488.7	443.6	362.0	292.0	235.3	213.5	200.5	195.1
72.5°	295.5	344.9	400.8	429.5	400.8	344.9	295.5	258.6	247.5	239.8	238.6
70°	315.0	345.8	371.9	376.8	371.9	345.8	315.0	292.9	286.0	284.6	289.2
67.5°	354.0	375.7	396.4	403.8	396.4	375.7	354.0	342.0	343.8	354.6	375.3
65°	401.4	414.9	430.2	438.3	430.2	414.9	401.4	395.1	400.2	418.0	465.3
62.5°	567.6	573.3	580.5	579.6	580.5	573.3	567.6	580.4	612.8	652.5	697.4
60°	1039.0	1031.3	1022.9	1011.9	1022.9	1031.3	1039.0	1074.9	1126.4	1166.4	1186.4
57.5°	1738.6	1690.7	1669.2	1649.7	1669.2	1690.7	1738.6	1820.6	1889.3	1896.2	1829.7
55°	2299.3	2285.9	2297.7	2287.5	2297.7	2285.9	2299.3	2346.1	2409.0	2345.5	2239.4
52.5°	2595.2	2662.4	2724.3	2727.0	2724.3	2662.4	2595.2	2544.9	2482.5	2373.0	2255.5
50°	2809.6	2791.1	2791.3	2765.9	2791.3	2791.1	2809.6	2840.4	2878.8	2866.4	2802.3
47.5°	4592.4	4921.3	4976.3	4921.7	4976.3	4921.3	4592.4	5014.9	5739.8	6287.8	6202.6
45°	20964.8	21427.4	21384.9	20945.7	21384.9	21427.4	20964.8	19644.9	20747.8	22562.2	22267.5
42.5°	63658.2	64960.0	66124.7	66116.4	66124.7	64960.0	63658.2	62674.9	62468.0	60811.8	58367.9
40°	102570.4	103382.9	104267.9	104585.2	104267.9	103382.9	102570.4	101857.2	101182.3	99356.5	97166.6
37.5°	140077.6	140489.3	141063.2	141340.6	141063.2	140489.3	140077.6	138419.2	135409.4	133324.4	130203.9
35°	170901.8	172111.9	173218.7	173739.2	173218.7	172111.9	170901.8	168016.6	162852.5	159493.3	153366.4
32.5°	174021.7	176038.7	177605.4	177951.4	177605.4	176038.7	174021.7	171808.8	166793.4	162250.7	156947.0
30°	159738.7	161121.7	162131.0	162658.1	162131.0	161121.7	159738.7	157399.1	154007.3	150181.2	145774.4
27.5°	140349.7	141104.1	141683.9	142148.4	141683.9	141104.1	140349.7	138794.5	136426.4	133775.5	130694.0
25°	121517.9	121793.8	122072.1	122495.1	122072.1	121793.8	121517.9	120937.5	119476.2	117822.8	115696.5
22.5°	106235.9	106191.8	106209.7	106425.5	106209.7	106191.8	106235.9	105948.6	105116.1	104139.2	102881.2
20°	94308.0	94187.1	94210.2	94273.2	94210.2	94187.1	94308.0	94101.0	93825.3	93244.8	92468.8
17.5°	85355.5	85103.0	85189.8	85542.6	85189.8	85103.0	85355.5	85182.3	85102.9	84858.8	84394.8
15°	78577.7	78377.4	78501.3	78919.3	78501.3	78377.4	78577.7	78535.9	78473.1	78278.3	78066.4
12.5°	73314.8	73121.9	73242.8	73549.3	73242.8	73121.9	73314.8	73332.2	73178.2	73109.2	72942.2
10°	69092.9	68926.1	69002.1	69183.6	69002.1	68926.1	69092.9	69141.8	69097.5	68939.0	68811.3
7.5°	65672.2	65565.9	65551.6	65693.2	65551.6	65565.9	65672.2	65794.6	65798.1	65672.7	65481.5
5°	62981.3	62864.4	62861.4	62905.7	62861.4	62864.4	62981.3	63074.0	63086.9	62992.8	62749.8
2.5°	60784.5	60704.8	60703.5	60721.9	60703.5	60704.8	60784.5	60884.8	60860.5	60710.4	60444.0
0°	58941.2	58859.3	58885.4	59004.9	58885.4	58859.3	58941.2	59002.9	58879.3	58635.7	58280.9
-2.5°	57160.3	57171.8	57273.9	57408.9	57273.9	57171.8	57160.3	57136.0	56944.2	56623.3	56209.6
-5°	55520.1	55551.4	55630.9	55761.4	55630.9	55551.4	55520.1	55432.8	55160.6	54780.3	54325.2
-7.5°	53860.5	53866.3	54047.7	54077.0	54047.7	53866.3	53860.5	53752.6	53429.4	52998.9	52477.1
-10°	51812.1	51873.8	52061.5	51995.6	52061.5	51873.8	51812.1	51666.2	51301.1	50867.1	50308.5
-12.5°	49730.7	49930.7	50156.6	50190.5	50156.6	49930.7	49730.7	49546.3	49173.2	48710.5	48159.9
-15°	47140.6	47582.6	47639.9	47739.7	47639.9	47582.6	47140.6	47269.7	46775.7	46244.5	45658.1
-17.5°	40727.1	41138.9	41117.6	41188.3	41117.6	41138.9	40727.1	40672.5	40277.8	39889.0	39411.0
-20°	32518.7	32462.0	32376.0	32297.5	32376.0	32462.0	32518.7	32313.1	32184.2	31896.5	31521.3



REPORT NUMBER: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	26375.0	26389.0	26420.7	26414.3	26420.7	26389.0	26375.0	26387.8	26389.4	26296.9	26091.9
-25°	21438.0	21315.6	21272.6	21250.2	21272.6	21315.6	21438.0	21574.4	21681.7	21763.5	21756.1
-27.5°	16822.9	16626.8	16574.6	16520.1	16574.6	16626.8	16822.9	17056.1	17215.1	17460.9	17563.1
-30°	12976.7	12822.1	12682.4	12578.3	12682.4	12822.1	12976.7	13161.0	13388.1	13681.1	13915.4
-32.5°	9882.1	9713.9	9574.1	9476.9	9574.1	9713.9	9882.1	10077.4	10286.2	10582.9	10841.0
-35°	7274.9	7157.9	7072.7	6999.1	7072.7	7157.9	7274.9	7452.0	7660.7	7874.8	8145.3
-37.5°	5036.1	4969.4	4914.9	4880.2	4914.9	4969.4	5036.1	5161.2	5292.1	5434.9	5638.7
-40°	3210.6	3102.3	3016.5	2963.4	3016.5	3102.3	3210.6	3299.5	3349.9	3452.0	3617.2
-42.5°	2529.3	2485.4	2448.6	2474.7	2448.6	2485.4	2529.3	2554.3	2515.0	2566.4	2614.9
-45°	2376.6	2379.5	2379.6	2373.5	2379.6	2379.5	2376.6	2395.1	2378.5	2337.6	2334.5
-47.5°	1904.9	1923.8	1920.4	1903.8	1920.4	1923.8	1904.9	1858.3	1816.8	1779.2	1740.5
-50°	1394.7	1418.4	1421.2	1418.2	1421.2	1418.4	1394.7	1309.0	1222.6	1142.5	1057.8
-52.5°	990.5	1005.6	1010.2	1011.1	1010.2	1005.6	990.5	947.0	877.5	812.5	786.1
-55°	824.0	840.0	849.3	850.4	849.3	840.0	824.0	804.0	779.7	744.6	699.1
-57.5°	799.2	806.0	809.9	839.0	809.9	806.0	799.2	782.4	756.9	727.0	658.1
-60°	731.6	726.3	721.2	815.5	721.2	726.3	731.6	741.5	723.1	693.2	628.6
-62.5°	668.1	666.9	650.0	678.6	650.0	666.9	668.1	669.5	654.5	634.0	590.0
-65°	593.6	596.5	569.6	505.1	569.6	596.5	593.6	583.0	565.9	552.9	520.3
-67.5°	512.3	522.3	502.8	439.1	502.8	522.3	512.3	496.8	474.6	452.2	422.1
-70°	427.8	448.5	440.7	396.8	440.7	448.5	427.8	407.8	383.7	358.7	334.3
-72.5°	335.3	364.2	364.2	337.0	364.2	364.2	335.3	312.6	291.8	271.8	253.2
-75°	248.2	278.6	288.0	273.9	288.0	278.6	248.2	225.1	208.5	194.5	183.9
-77.5°	177.6	197.4	205.2	200.6	205.2	197.4	177.6	164.5	152.1	144.6	138.0
-80°	109.1	115.5	119.8	125.6	119.8	115.5	109.1	104.2	97.5	92.6	90.2
-82.5°	57.2	61.2	63.6	65.7	63.6	61.2	57.2	55.9	52.8	50.1	47.6
-85°	12.5	12.9	13.2	13.4	13.2	12.9	12.5	13.7	13.0	13.9	11.7
-87.5°	3.9	3.8	3.7	3.7	3.7	3.8	3.9	5.6	4.2	4.5	4.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.2	19.8	19.5	19.0	17.1	18.3	16.3	15.9	15.3	14.7	14.1
85°	43.0	40.4	39.2	36.5	33.3	33.4	29.8	28.3	27.4	26.8	26.1
82.5°	77.4	74.5	72.1	68.7	65.8	64.0	59.1	55.4	52.5	49.2	45.7
80°	117.0	113.3	110.7	108.8	108.2	106.7	102.2	97.1	91.2	83.0	74.2
77.5°	155.8	155.2	153.8	155.6	158.0	154.8	143.8	135.3	129.5	117.2	105.1
75°	193.4	197.1	198.5	207.3	222.3	225.1	212.4	201.8	184.6	157.0	136.2
72.5°	242.2	250.3	264.5	288.1	309.4	302.0	278.4	268.8	241.9	198.7	170.3
70°	298.5	319.8	369.9	429.5	456.8	421.1	365.5	335.0	290.3	234.9	199.6
67.5°	393.2	424.7	493.7	585.0	621.7	555.0	457.3	389.7	329.2	272.5	238.8
65°	523.9	604.5	692.2	735.2	731.5	640.7	522.9	431.7	366.0	319.8	288.5
62.5°	737.4	809.4	879.1	862.5	795.2	669.4	540.9	467.4	413.2	368.4	338.5
60°	1083.7	1028.5	993.3	911.5	809.6	676.7	555.9	505.9	474.8	440.2	398.9
57.5°	1573.2	1295.4	1111.6	931.8	780.3	690.8	605.0	568.6	545.2	516.7	476.4
55°	2015.7	1677.0	1376.9	1150.2	959.2	904.0	724.8	675.7	632.6	601.6	569.8
52.5°	2160.0	1954.0	1824.1	1787.4	1734.9	1776.5	1481.6	1281.6	777.0	719.7	714.7
50°	2964.7	2967.8	2972.1	3212.3	3284.9	3958.4	3977.5	3529.4	2231.6	1188.0	960.5
47.5°	6982.1	7502.4	7171.7	8038.1	8480.3	9888.4	9771.1	9206.4	6917.4	3155.8	2008.4
45°	22231.0	23083.0	21728.8	22827.1	22733.4	23471.2	22755.6	19642.3	15759.2	9633.5	4085.7
42.5°	56969.4	54981.3	52385.1	50216.6	47447.1	44355.2	41131.7	36031.9	28133.9	19022.9	9667.9
40°	94115.2	89861.9	85933.2	80652.2	73576.1	66263.3	59550.2	52541.4	43045.4	30514.9	16515.9
37.5°	126227.2	120498.6	114516.1	107584.5	96734.9	83946.7	73451.3	64547.5	55152.8	42063.5	24929.9
35°	148584.0	141833.5	136242.5	127950.8	115955.5	99435.5	83418.7	72096.6	62728.8	51065.8	34965.0
32.5°	151681.1	145900.5	140831.0	135070.3	125515.3	109910.8	90307.6	75100.3	65407.4	55810.9	41822.9
30°	141495.7	137234.8	133145.8	130112.2	124630.7	112587.3	94047.4	75467.9	63958.1	55685.0	45846.7
27.5°	127344.8	124342.3	121332.4	119080.6	117162.0	110235.4	95350.5	76026.2	62131.4	53612.0	45521.5
25°	113528.4	111415.4	109339.7	107566.4	106623.6	103617.8	95256.3	77254.0	60259.6	51013.0	43970.3
22.5°	101395.7	100059.9	98665.9	97211.5	96662.5	95128.5	89990.2	77516.0	60959.9	49421.9	41983.8
20°	91549.5	90692.8	89797.8	88516.4	88184.5	87335.1	84689.4	76970.2	60985.0	47997.5	40113.3
17.5°	83803.8	83178.8	82541.4	81508.6	81096.4	80571.5	78674.5	73702.9	61648.5	48024.3	38820.0
15°	77662.8	77115.9	76594.3	75779.2	75347.6	74819.1	73444.6	70893.4	61898.3	48150.0	38015.8
12.5°	72640.3	72093.9	71614.3	70928.6	70411.6	69928.0	68603.2	66584.1	60529.9	48181.6	37414.4
10°	68519.3	68025.4	67503.7	66842.2	66287.7	65753.0	64354.4	62721.1	58306.3	48232.8	37069.9
7.5°	65144.5	64575.9	64045.2	63355.2	62703.3	62014.2	60623.7	59156.8	55876.4	47732.9	37068.1
5°	62325.9	61717.0	61071.7	60307.7	59580.2	58792.2	57286.7	55768.9	53238.4	46719.5	36907.4
2.5°	59962.1	59254.4	58518.5	57686.2	56866.9	55983.7	54267.8	52619.3	50490.4	45274.0	36580.1
0°	57752.6	56987.2	56139.8	55211.9	54394.1	53313.8	51417.0	49680.0	47648.1	43396.3	35961.1
-2.5°	55634.5	54870.8	53993.2	52991.8	52082.1	50786.1	48783.1	46994.9	44930.6	41330.9	35100.3
-5°	53664.9	52865.1	51972.7	50929.6	49907.0	48367.1	46218.7	44415.6	42359.6	39219.7	33980.5
-7.5°	51809.1	50941.1	49988.9	48869.4	47666.3	45930.2	43731.5	41882.7	39882.1	37101.8	32614.5
-10°	49609.0	48665.0	47653.4	46468.9	45244.4	43366.2	41213.9	39402.5	37537.8	35044.1	31130.5
-12.5°	47441.7	46508.0	45452.8	44176.8	43019.6	41128.4	39104.6	37365.1	35632.1	33288.3	29597.7
-15°	44989.7	44081.3	42893.1	41629.9	40374.2	38572.4	36702.5	34959.6	33269.0	30684.5	27062.5
-17.5°	38777.4	37940.1	37052.1	35933.7	34941.5	33305.2	31704.2	30208.1	28488.7	26251.2	22910.6
-20°	31067.5	30607.0	29944.0	29312.4	28466.6	27213.2	26006.7	24776.1	23169.6	21271.6	18433.4



REPORT NUMBER: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25879.9	25567.5	25139.3	24704.5	23992.6	22918.4	21767.4	20486.0	19023.2	17158.6	14683.9
-25°	21649.4	21509.9	21269.2	21019.2	20359.0	19296.1	18092.5	16914.7	15656.5	13902.1	11692.6
-27.5°	17647.4	17646.1	17579.8	17451.4	16664.0	15636.8	14776.4	13891.4	12760.4	11244.2	9275.3
-30°	14095.7	14223.8	14313.4	14076.3	13382.5	12663.9	12037.2	11333.2	10356.8	9006.2	7363.7
-32.5°	11111.7	11278.0	11389.0	11115.6	10607.7	10144.7	9723.8	9201.2	8296.3	6793.9	5508.4
-35°	8379.1	8595.1	8653.9	8439.1	8151.2	7910.8	7658.3	7126.3	6019.4	4630.5	3486.7
-37.5°	5842.6	6016.6	6016.4	5922.9	5825.7	5725.4	5521.0	4843.3	3786.4	2643.6	2043.2
-40°	3654.5	3787.8	3696.9	3762.0	3756.2	3743.8	3366.7	2743.3	1959.2	1479.6	1252.7
-42.5°	2558.9	2577.6	2444.5	2365.9	2314.4	2084.5	1791.3	1375.3	1174.9	983.5	855.9
-45°	2254.9	2024.2	1767.1	1551.6	1374.7	1220.9	1045.1	920.1	859.8	754.1	652.3
-47.5°	1589.5	1313.1	1050.1	945.1	840.7	817.0	774.1	734.4	698.8	631.1	563.2
-50°	968.2	830.2	720.4	670.3	612.5	601.9	576.4	567.1	556.2	529.9	486.6
-52.5°	743.0	690.4	640.2	596.1	552.9	520.4	489.6	473.3	457.5	450.1	425.2
-55°	660.9	634.0	603.8	567.1	525.9	487.0	455.5	429.6	410.8	396.1	378.2
-57.5°	603.2	581.6	563.0	534.0	497.6	461.4	430.0	399.3	375.8	355.8	341.2
-60°	555.0	523.4	509.5	489.2	461.4	429.1	396.9	365.6	339.5	319.6	303.6
-62.5°	512.9	463.4	449.6	435.9	414.4	385.7	353.6	325.2	301.7	282.6	266.8
-65°	457.3	406.5	386.8	375.8	360.1	336.9	307.8	283.1	263.2	245.2	229.1
-67.5°	382.3	345.2	324.2	313.6	302.8	284.3	260.6	239.1	221.4	205.6	192.3
-70°	309.0	284.5	267.2	256.0	244.4	227.6	208.2	192.1	179.9	169.5	160.0
-72.5°	235.1	218.9	206.7	197.9	188.8	177.1	164.3	154.0	145.7	138.3	132.7
-75°	172.6	165.5	158.8	152.7	147.0	139.9	131.8	124.9	116.2	108.5	103.4
-77.5°	130.0	124.7	119.4	114.1	109.6	105.0	97.8	91.2	85.7	80.2	77.6
-80°	84.6	82.4	79.5	76.5	74.4	72.3	66.7	62.4	58.1	53.8	51.6
-82.5°	43.1	42.6	40.9	38.5	37.5	35.0	32.5	30.9	30.4	28.6	28.7
-85°	11.3	12.1	12.7	11.9	12.2	11.5	12.1	13.1	14.1	13.7	15.2
-87.5°	5.9	6.0	6.1	6.0	6.0	7.5	7.4	8.8	8.3	8.0	9.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.5	12.9	14.4	16.8	19.5	21.8	23.6	21.4	19.5	16.9	13.7
85°	25.2	24.3	28.0	32.2	39.0	43.6	46.7	42.8	39.0	33.7	27.3
82.5°	42.5	40.1	43.8	48.8	58.7	65.4	68.5	64.0	57.5	49.4	40.6
80°	67.5	62.7	64.6	72.5	85.2	91.7	92.7	85.7	75.6	64.4	53.2
77.5°	97.0	91.5	92.9	103.4	115.6	120.3	119.0	110.4	96.3	80.2	65.6
75°	124.4	117.3	121.2	135.9	149.6	153.3	148.7	135.8	117.4	98.2	80.0
72.5°	156.1	148.7	154.8	168.1	182.7	185.8	179.5	163.6	140.2	115.9	95.3
70°	185.2	181.7	199.0	220.5	226.5	217.9	209.1	190.3	163.8	136.4	110.3
67.5°	220.1	216.1	242.6	275.3	282.9	265.1	240.5	215.2	186.1	156.8	127.4
65°	265.5	266.9	302.7	331.2	335.2	312.5	280.0	241.6	207.0	176.2	144.4
62.5°	322.5	341.6	383.8	407.8	388.0	351.8	315.3	272.2	228.8	194.0	160.7
60°	380.9	428.6	491.3	498.1	455.5	397.5	345.2	301.3	256.7	211.1	175.1
57.5°	477.4	532.3	608.1	602.0	537.0	451.9	379.1	328.0	284.1	233.9	189.0
55°	606.6	693.8	737.4	699.7	625.8	513.6	420.6	355.2	309.4	257.8	202.2
52.5°	763.8	846.5	880.0	798.5	694.7	575.5	464.1	393.3	333.9	281.0	221.9
50°	1053.3	1053.2	995.3	915.5	759.1	627.7	518.0	429.6	360.5	302.4	241.9
47.5°	1615.4	1345.5	1129.1	1014.0	834.8	672.5	567.0	470.2	390.5	323.4	261.2
45°	2775.7	1930.0	1323.7	1081.4	900.2	728.9	609.1	510.0	418.7	343.2	279.1
42.5°	4670.4	2879.5	1658.9	1164.0	954.2	787.4	647.1	545.7	448.3	366.6	295.2
40°	8923.9	4517.5	1929.8	1232.5	1003.1	834.2	690.6	576.4	477.6	388.8	310.0
37.5°	13311.4	6568.0	2811.4	1420.7	1054.1	870.7	728.2	603.4	506.1	409.9	323.5
35°	18141.6	8557.4	3729.8	1578.9	1107.2	901.6	760.2	629.7	532.5	429.9	337.8
32.5°	24296.0	11551.0	5281.8	2259.1	1214.2	936.3	785.5	664.3	556.3	450.0	351.6
30°	30535.6	14233.6	6533.5	2732.8	1285.5	969.9	812.6	698.0	576.0	468.3	363.7
27.5°	33340.2	18388.1	8307.1	3504.7	1535.2	1015.6	850.4	728.8	594.0	484.8	374.4
25°	34855.1	21574.3	9735.2	4186.3	1781.4	1084.2	890.5	753.1	614.6	499.6	383.8
22.5°	34327.7	23230.3	11117.9	4580.9	1951.3	1135.4	920.7	775.9	635.6	512.4	394.1
20°	33275.1	24112.9	12805.3	5422.5	2223.2	1176.3	945.9	797.0	654.3	524.4	405.0
17.5°	32311.8	24602.0	13753.2	5930.4	2536.4	1293.0	970.9	815.8	672.1	535.3	414.5
15°	31211.8	24219.1	14115.8	6210.8	2728.5	1369.9	996.4	837.7	690.3	544.4	423.2
12.5°	30322.7	23617.6	14394.2	6409.1	2830.9	1413.0	1028.5	862.1	707.1	552.3	431.1
10°	29621.5	23149.7	14491.9	6782.5	2874.1	1437.4	1056.9	886.2	724.1	558.8	437.3
7.5°	29108.6	22795.6	14580.7	6925.5	2979.2	1435.8	1084.8	911.8	739.7	563.5	441.7
5°	28805.1	22544.0	14577.2	6934.7	3031.9	1414.1	1107.9	931.9	749.7	566.8	444.6
2.5°	28544.1	22325.0	14473.1	6864.6	3038.2	1389.1	1106.8	932.9	751.8	568.3	445.6
0°	28236.5	21962.6	14209.6	6774.0	2997.7	1359.3	1099.8	930.4	750.6	567.9	444.9
-2.5°	27892.4	21535.3	13781.5	6659.6	2930.4	1335.5	1075.9	909.9	738.9	564.3	443.4
-5°	27351.9	20879.5	13092.7	6384.9	2770.9	1304.5	1048.7	886.2	724.3	558.9	440.2
-7.5°	26539.2	19914.9	12154.4	5950.7	2516.7	1267.3	1024.2	865.6	709.5	552.1	435.3
-10°	25476.9	18604.3	10981.1	5337.6	2209.6	1226.5	997.2	843.4	694.0	544.4	428.9
-12.5°	23979.7	16872.6	9564.7	4564.3	2012.2	1183.1	973.7	822.7	676.9	535.0	421.1
-15°	21580.5	14498.5	7889.5	3923.1	1799.2	1134.9	946.4	801.5	660.5	524.8	411.8
-17.5°	18120.5	11595.2	6565.0	3261.1	1580.4	1080.8	912.1	777.0	642.1	513.8	401.3
-20°	14147.4	9127.8	5199.2	2581.5	1358.3	1020.3	876.6	749.8	621.4	501.1	389.3



REPORT NUMBER: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	10891.5	6998.4	3943.4	1912.1	1195.1	974.7	841.5	721.8	598.9	486.7	375.5
-25°	8428.6	5455.4	3049.0	1636.9	1115.9	929.0	805.0	693.3	575.1	470.6	362.2
-27.5°	6762.9	4259.8	2321.7	1370.4	1030.9	881.0	768.6	663.9	551.2	451.9	349.5
-30°	5375.9	3172.1	1681.5	1152.4	955.3	837.1	733.5	632.9	528.8	431.1	335.7
-32.5°	4058.8	2374.5	1389.7	1052.5	902.0	796.4	699.7	600.9	505.1	408.9	321.0
-35°	2831.4	1614.6	1103.2	955.7	847.4	755.9	666.0	568.0	480.5	385.6	305.3
-37.5°	1684.7	1246.4	985.5	888.9	803.4	717.5	630.6	539.0	454.0	363.9	291.2
-40°	1112.3	947.8	871.7	817.2	760.9	679.9	594.8	511.1	425.8	344.6	279.2
-42.5°	800.6	793.2	791.8	756.3	710.3	641.6	559.0	482.4	398.2	324.4	266.5
-45°	650.5	678.3	701.8	693.4	658.7	601.1	526.4	451.4	372.5	303.2	253.0
-47.5°	544.4	580.9	623.9	634.5	607.1	556.7	492.8	418.9	349.0	286.8	237.9
-50°	461.3	501.9	550.1	568.7	551.9	513.7	456.7	387.2	324.5	270.5	221.1
-52.5°	410.4	436.2	479.0	504.5	500.1	470.4	419.5	358.3	302.4	253.1	203.4
-55°	364.7	376.3	414.1	447.0	450.1	425.1	381.8	328.2	280.9	232.5	185.5
-57.5°	321.8	323.6	356.9	390.0	396.0	378.8	345.1	302.0	258.0	210.8	171.1
-60°	285.2	282.8	305.3	334.5	346.1	335.1	310.3	274.3	232.5	189.3	156.5
-62.5°	251.7	242.6	257.5	284.0	300.5	294.0	275.7	243.3	205.9	172.0	141.4
-65°	215.7	202.6	215.0	238.7	258.1	254.8	238.2	209.5	182.6	153.9	125.0
-67.5°	182.5	170.1	179.0	199.5	215.0	213.9	199.6	181.6	160.1	134.1	108.0
-70°	153.4	144.6	147.6	161.7	173.8	175.0	170.0	156.3	136.0	113.0	91.2
-72.5°	127.1	118.4	116.4	125.5	138.9	145.0	142.3	128.7	110.5	91.8	77.7
-75°	98.4	92.4	90.4	98.7	109.3	114.1	112.0	100.0	87.2	75.3	64.0
-77.5°	76.0	70.6	67.0	71.8	79.0	82.3	83.9	77.0	68.5	58.6	51.7
-80°	50.8	46.7	42.9	46.7	54.1	58.5	62.3	56.0	51.1	46.4	42.1
-82.5°	29.9	28.9	26.9	29.4	34.6	38.7	44.7	41.7	39.7	36.1	32.4
-85°	17.1	17.2	16.6	19.5	24.3	26.7	31.4	29.1	28.0	25.0	21.9
-87.5°	10.0	9.3	8.9	10.6	12.8	13.7	16.0	14.6	14.0	12.5	10.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.3	8.7	6.7	4.7	3.2	1.5	0.0
85°	22.5	17.4	13.3	9.5	6.3	3.0	0.0
82.5°	33.7	26.0	19.9	14.2	9.5	4.5	0.0
80°	44.0	34.3	26.4	18.8	12.6	6.0	0.0
77.5°	54.1	41.6	32.6	23.5	15.7	7.5	0.0
75°	63.9	48.9	38.2	28.1	18.7	9.0	0.0
72.5°	75.4	55.9	43.7	32.5	21.8	10.4	0.0
70°	87.3	64.3	49.2	36.9	24.7	11.8	0.0
67.5°	98.7	73.9	54.7	41.2	27.6	13.2	0.0
65°	111.2	83.3	61.2	45.3	30.3	14.6	0.0
62.5°	124.8	92.4	68.7	49.4	32.9	16.0	0.0
60°	138.0	102.5	75.8	53.4	35.3	17.3	0.0
57.5°	150.8	113.8	82.8	57.3	37.7	18.5	0.0
55°	162.4	124.8	89.5	62.1	39.9	19.7	0.0
52.5°	173.9	135.4	96.3	66.8	42.1	20.9	0.0
50°	184.9	145.3	104.0	71.3	44.2	22.1	0.0
47.5°	196.2	153.6	111.2	75.6	46.1	23.2	0.0
45°	212.0	161.4	118.0	79.7	47.9	24.2	0.0
42.5°	226.9	168.7	124.4	83.5	49.6	25.2	0.0
40°	240.5	175.6	130.4	86.9	51.1	26.1	0.0
37.5°	252.5	181.9	136.0	89.9	52.6	27.0	0.0
35°	262.8	190.0	140.9	93.3	54.3	27.8	0.0
32.5°	271.6	198.6	145.3	96.5	56.0	28.4	0.0
30°	279.2	206.5	149.2	99.5	57.6	29.0	0.0
27.5°	286.3	213.6	152.4	102.1	59.1	29.6	0.0
25°	292.5	219.9	155.2	104.5	60.5	30.1	0.0
22.5°	297.7	225.5	157.6	106.5	61.7	30.5	0.0
20°	302.6	230.7	159.7	108.2	62.7	30.9	0.0
17.5°	309.2	235.3	161.3	109.9	63.6	31.2	0.0
15°	315.3	238.8	162.6	111.4	64.3	31.5	0.0
12.5°	320.2	241.4	164.0	112.7	64.9	31.7	0.0
10°	324.0	243.4	165.1	113.6	65.3	31.9	0.0
7.5°	326.9	244.7	165.8	114.2	65.5	32.0	0.0
5°	328.8	245.3	166.2	114.4	65.6	32.1	0.0
2.5°	329.5	245.3	166.1	114.4	65.5	32.1	0.0
0°	329.1	244.5	165.7	114.1	65.3	32.0	0.0
-2.5°	328.5	244.5	165.8	114.2	65.4	32.0	0.0
-5°	326.7	243.8	165.5	114.0	65.3	31.9	0.0
-7.5°	323.9	242.5	164.9	113.4	65.0	31.8	0.0
-10°	320.0	240.4	163.8	112.6	64.6	31.6	0.0
-12.5°	315.3	237.7	162.4	111.5	64.0	31.4	0.0
-15°	309.6	234.3	160.6	110.0	63.3	31.1	0.0
-17.5°	302.9	230.0	158.7	108.3	62.4	30.7	0.0
-20°	295.0	224.8	156.5	106.3	61.4	30.3	0.0



REPORT NUMBER: P902057 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LTM

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	287.5	219.0	153.8	104.1	60.2	29.9	0.0
-25°	280.3	212.8	150.8	101.6	58.9	29.4	0.0
-27.5°	272.5	206.2	147.5	98.8	57.4	28.8	0.0
-30°	264.2	198.9	143.7	95.6	55.7	28.2	0.0
-32.5°	255.6	191.0	139.7	92.2	53.9	27.6	0.0
-35°	246.4	182.6	135.3	88.5	52.0	26.8	0.0
-37.5°	236.2	174.6	130.4	84.7	50.1	26.1	0.0
-40°	224.6	168.2	124.8	81.5	48.6	25.2	0.0
-42.5°	212.4	161.3	118.9	78.0	47.0	24.2	0.0
-45°	199.4	153.9	112.7	74.5	45.3	23.2	0.0
-47.5°	185.8	146.1	106.1	70.7	43.5	22.2	0.0
-50°	174.7	137.8	99.1	66.8	41.6	21.1	0.0
-52.5°	163.4	128.3	91.6	62.7	39.6	20.0	0.0
-55°	151.4	117.9	85.2	58.4	37.6	18.8	0.0
-57.5°	138.9	107.1	78.8	53.9	35.5	17.6	0.0
-60°	125.7	96.0	72.2	50.5	33.3	16.4	0.0
-62.5°	112.0	86.1	65.4	47.1	31.1	15.1	0.0
-65°	98.0	77.2	58.4	43.5	28.8	13.8	0.0
-67.5°	85.4	68.2	52.2	39.9	26.3	12.5	0.0
-70°	74.3	59.0	47.1	36.1	23.6	11.2	0.0
-72.5°	62.9	51.1	41.9	32.3	20.8	9.8	0.0
-75°	52.3	44.6	36.6	28.2	17.9	8.5	0.0
-77.5°	44.5	37.9	31.2	23.6	15.0	7.1	0.0
-80°	36.5	31.2	25.3	19.0	12.0	5.7	0.0
-82.5°	28.4	23.7	19.0	14.3	9.1	4.3	0.0
-85°	18.9	15.8	12.7	9.5	6.0	2.9	0.0
-87.5°	9.5	7.9	6.4	4.8	3.0	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)