

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: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-70-5S-HEG-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-40-70-5S-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

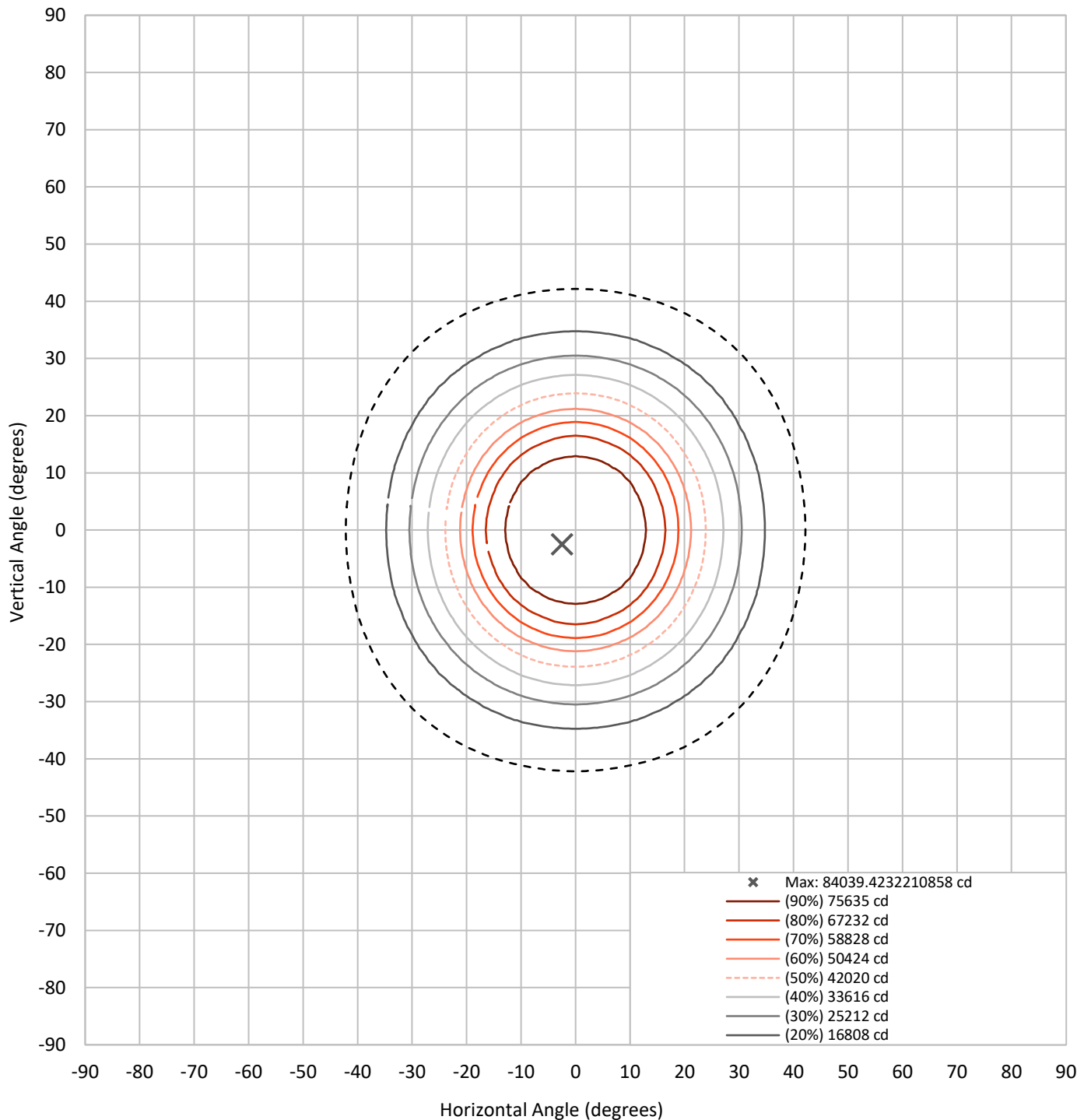
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	61427.7 lumens	Max Intensity:	84039.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	183.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	34460.9 lumens	Field Lumens:	57235.4 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%

Input Watts (W): 334
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-08-320N-40-70-5S-HEG-A

Iso-Candela Plot





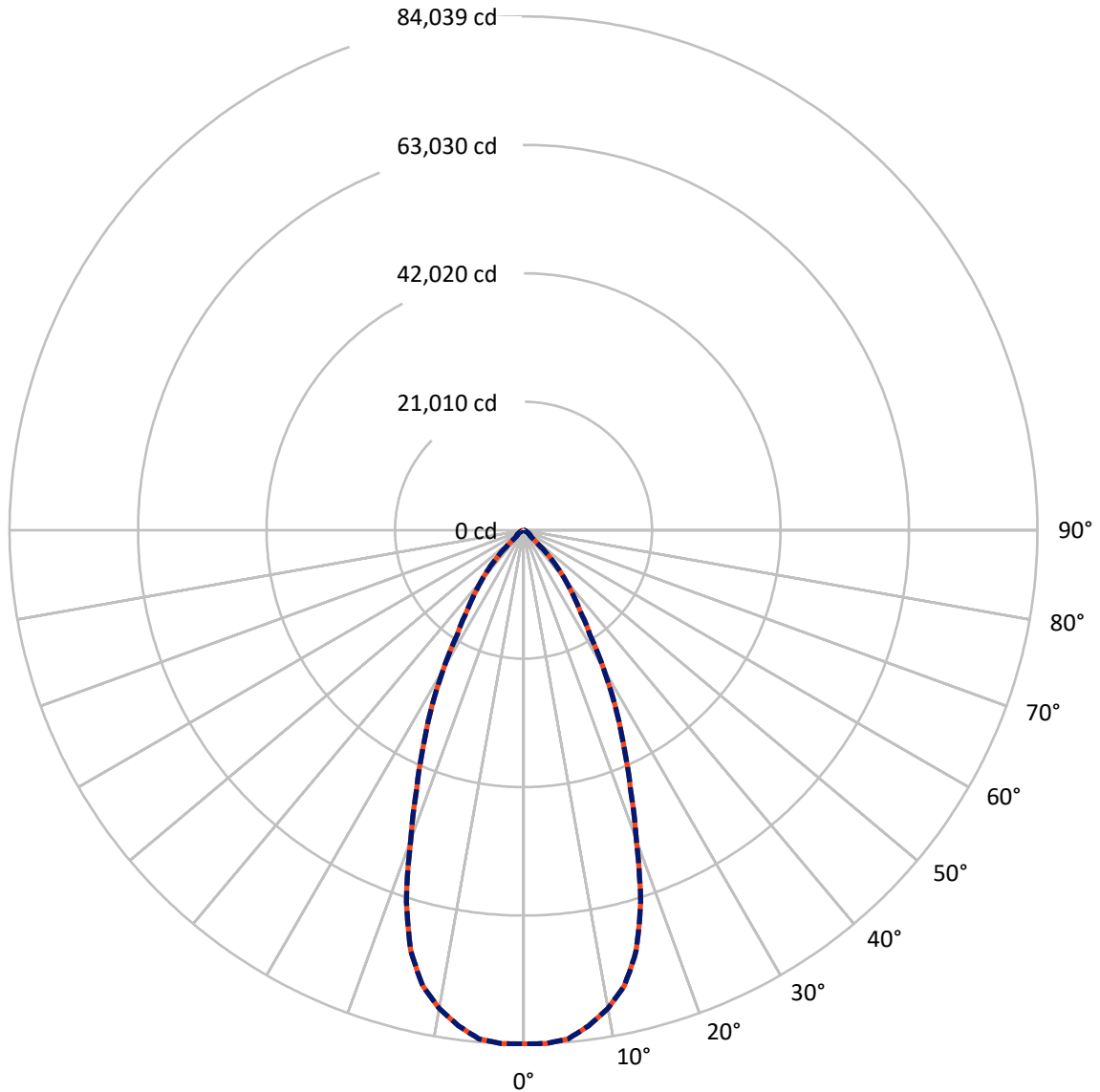
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Lumen Table

90	0.1	0.6	1.9	4.2	5.3	4.2	1.9	0.6	0.1							
80	0.1	0.6	1.9	4.2	5.3	4.2	1.9	0.6	0.1							
70	0.3	0.3	1.0	2.7	5.4	8.9	12.0	13.8	13.8	12.0	8.9	5.4	2.7	1.0	0.3	0.3
60		0.8	3.1	8.5	16.5	25.2	31.8	35.3	35.3	31.8	25.2	16.5	8.5	3.1	0.8	
50	0.6	1.6	6.9	17.6	30.3	54.7	111.3	156.7	156.7	111.3	54.7	30.3	17.6	6.9	1.6	0.6
40		2.9	11.7	26.2	76.3	230.8	389.6	499.2	499.2	389.6	230.8	76.3	26.2	11.7	2.9	
30	1.2	4.3	16.2	43.2	209.7	477.1	853.8	1145.9	1145.9	853.8	477.1	209.7	43.2	16.2	4.3	1.2
20		5.5	19.1	83.5	332.6	803.5	1493.1	2034.3	2034.3	1493.1	803.5	332.6	83.5	19.1	5.5	
10	1.4	6.1	20.6	114.1	413.8	1046.9	1975.0	2465.3	2465.3	1975.0	1046.9	413.8	114.1	20.6	6.1	1.4
0		6.1	20.6	114.1	413.8	1046.9	1975.0	2465.3	2465.3	1975.0	1046.9	413.8	114.1	20.6	6.1	
-10	1.2	5.5	19.1	83.5	332.6	803.5	1493.1	2034.3	2034.3	1493.1	803.5	332.6	83.5	19.1	5.5	1.2
-20		4.3	16.2	43.2	209.7	477.1	853.8	1145.9	1145.9	853.8	477.1	209.7	43.2	16.2	4.3	
-30	0.6	2.9	11.7	26.2	76.3	230.8	389.6	499.2	499.2	389.6	230.8	76.3	26.2	11.7	2.9	0.6
-40		1.6	6.9	17.6	30.3	54.7	111.3	156.7	156.7	111.3	54.7	30.3	17.6	6.9	1.6	
-50	0.3	0.8	3.1	8.5	16.5	25.2	31.8	35.3	35.3	31.8	25.2	16.5	8.5	3.1	0.8	0.3
-60		0.3	1.0	2.7	5.4	8.9	12.0	13.8	13.8	12.0	8.9	5.4	2.7	1.0	0.3	
-70	0.1	0.6	1.9	4.2	5.3	4.2	1.9	0.6	0.1							
-80		0.1	0.6	1.9	4.2	5.3	4.2	1.9	0.6	0.1						
-90	0.1	0.6	1.9	4.2	5.3	4.2	1.9	0.6	0.1							

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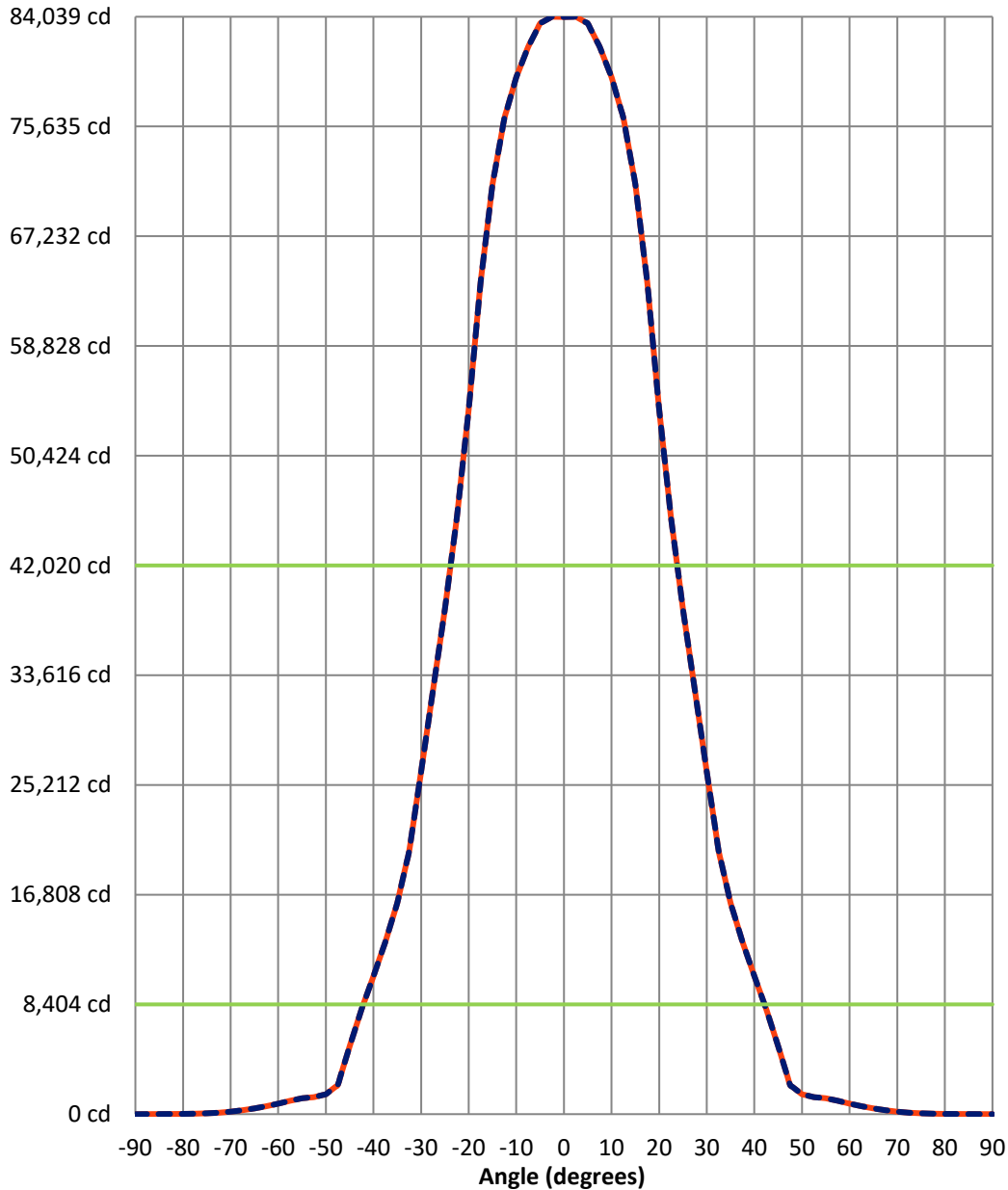
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
H Angle: 47.6°
V Angle: 47.6°
Lumens: 34460.9
Efficiency: 56.1%

Field:
H Angle: 84.3°
V Angle: 84.3°
Lumens: 57235.4
Efficiency: 93.2%

Spill:
Lumens: 4192.3
Efficiency: 6.8%

— Vertical Distribution through -2.5-Deg
- - Horizontal Distribution through -2.5-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	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.7
85°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.1	3.5
82.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.7	5.2
80°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.2	6.9
77.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.7
75°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.3	8.4	9.6	10.8
72.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.6	10.0	11.5	12.9
70°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.0	11.7	13.4	15.6
67.5°	0.0	1.6	3.1	4.7	6.2	7.8	9.6	11.5	13.4	15.9	18.4
65°	0.0	1.7	3.5	5.2	6.9	8.7	10.8	12.9	15.6	18.4	22.3
62.5°	0.0	1.9	3.8	5.7	7.5	9.7	12.0	14.7	17.8	21.6	28.6
60°	0.0	2.0	4.1	6.1	8.2	10.7	13.2	16.6	20.0	27.1	34.7
57.5°	0.0	2.2	4.4	6.6	8.9	11.6	14.7	18.4	24.2	32.6	44.1
55°	0.0	2.4	4.7	7.0	9.7	12.5	16.2	20.2	29.0	38.8	54.8
52.5°	0.0	2.5	5.0	7.5	10.4	13.5	17.7	24.0	33.6	48.2	65.2
50°	0.0	2.6	5.3	7.9	11.1	14.7	19.2	27.9	39.1	57.3	79.4
47.5°	0.0	2.8	5.5	8.3	11.7	15.9	20.9	31.6	46.9	66.1	93.5
45°	0.0	2.9	5.8	8.8	12.4	17.0	24.0	35.2	54.4	78.3	107.2
42.5°	0.0	3.0	6.0	9.3	13.0	18.1	26.9	40.4	61.6	90.1	130.5
40°	0.0	3.1	6.3	9.7	13.7	19.1	29.8	46.4	69.5	101.3	154.5
37.5°	0.0	3.3	6.5	10.1	14.5	20.1	32.5	52.1	79.0	114.8	177.3
35°	0.0	3.4	6.7	10.5	15.2	21.8	35.0	57.5	88.0	134.2	202.0
32.5°	0.0	3.5	6.9	10.9	15.9	23.8	38.0	62.6	96.5	152.5	229.9
30°	0.0	3.6	7.1	11.2	16.6	25.6	42.1	67.9	104.5	169.6	256.0
27.5°	0.0	3.6	7.3	11.6	17.2	27.4	45.8	74.3	114.3	185.6	280.4
25°	0.0	3.7	7.4	11.9	17.7	29.0	49.3	80.3	127.3	203.8	303.1
22.5°	0.0	3.8	7.6	12.1	18.2	30.4	52.5	85.6	139.1	222.0	328.7
20°	0.0	3.9	7.7	12.4	18.7	31.7	55.4	90.5	149.8	238.6	351.8
17.5°	0.0	3.9	7.8	12.6	19.1	32.9	57.9	94.8	159.3	253.2	372.3
15°	0.0	4.0	7.9	12.8	19.4	33.9	60.1	98.6	167.6	266.0	390.3
12.5°	0.0	4.0	8.0	12.9	19.7	34.7	62.0	101.8	174.6	276.9	405.6
10°	0.0	4.0	8.1	13.1	20.0	35.4	63.5	104.4	180.4	285.9	418.1
7.5°	0.0	4.1	8.1	13.2	20.2	36.0	64.7	106.5	184.9	292.9	427.9
5°	0.0	4.1	8.2	13.2	20.3	36.4	65.6	107.9	188.1	297.9	435.0
2.5°	0.0	4.1	8.2	13.3	20.4	36.6	66.1	108.8	190.1	300.9	439.2
0°	0.0	4.1	8.2	13.3	20.4	36.7	66.3	109.1	190.7	301.9	440.6
-2.5°	0.0	4.1	8.2	13.3	20.4	36.7	66.3	109.1	190.7	301.9	440.6
-5°	0.0	4.1	8.2	13.2	20.3	36.4	65.6	107.9	188.1	297.9	435.0
-7.5°	0.0	4.1	8.1	13.2	20.2	36.0	64.7	106.5	184.9	292.9	427.9
-10°	0.0	4.0	8.1	13.1	20.0	35.4	63.5	104.4	180.4	285.9	418.1
-12.5°	0.0	4.0	8.0	12.9	19.7	34.7	62.0	101.8	174.6	276.9	405.6
-15°	0.0	4.0	7.9	12.8	19.4	33.9	60.1	98.6	167.6	266.0	390.3
-17.5°	0.0	3.9	7.8	12.6	19.1	32.9	57.9	94.8	159.3	253.2	372.3
-20°	0.0	3.9	7.7	12.4	18.7	31.7	55.4	90.5	149.8	238.6	351.8



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 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.8	7.6	12.1	18.2	30.4	52.5	85.6	139.1	222.0	328.7
-25°	0.0	3.7	7.4	11.9	17.7	29.0	49.3	80.3	127.3	203.8	303.1
-27.5°	0.0	3.6	7.3	11.6	17.2	27.4	45.8	74.3	114.3	185.6	280.4
-30°	0.0	3.6	7.1	11.2	16.6	25.6	42.1	67.9	104.5	169.6	256.0
-32.5°	0.0	3.5	6.9	10.9	15.9	23.8	38.0	62.6	96.5	152.5	229.9
-35°	0.0	3.4	6.7	10.5	15.2	21.8	35.0	57.5	88.0	134.2	202.0
-37.5°	0.0	3.3	6.5	10.1	14.5	20.1	32.5	52.1	79.0	114.8	177.3
-40°	0.0	3.1	6.3	9.7	13.7	19.1	29.8	46.4	69.5	101.3	154.5
-42.5°	0.0	3.0	6.0	9.3	13.0	18.1	26.9	40.4	61.6	90.1	130.5
-45°	0.0	2.9	5.8	8.8	12.4	17.0	24.0	35.2	54.4	78.3	107.2
-47.5°	0.0	2.8	5.5	8.3	11.7	15.9	20.9	31.6	46.9	66.1	93.5
-50°	0.0	2.6	5.3	7.9	11.1	14.7	19.2	27.9	39.1	57.3	79.4
-52.5°	0.0	2.5	5.0	7.5	10.4	13.5	17.7	24.0	33.6	48.2	65.2
-55°	0.0	2.4	4.7	7.0	9.7	12.5	16.2	20.2	29.0	38.8	54.8
-57.5°	0.0	2.2	4.4	6.6	8.9	11.6	14.7	18.4	24.2	32.6	44.1
-60°	0.0	2.0	4.1	6.1	8.2	10.7	13.2	16.6	20.0	27.1	34.7
-62.5°	0.0	1.9	3.8	5.7	7.5	9.7	12.0	14.7	17.8	21.6	28.6
-65°	0.0	1.7	3.5	5.2	6.9	8.7	10.8	12.9	15.6	18.4	22.3
-67.5°	0.0	1.6	3.1	4.7	6.2	7.8	9.6	11.5	13.4	15.9	18.4
-70°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.0	11.7	13.4	15.6
-72.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.6	10.0	11.5	12.9
-75°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.3	8.4	9.6	10.8
-77.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.7
-80°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.2	6.9
-82.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.7	5.2
-85°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.1	3.5
-87.5°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.7
-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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 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

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°	1.9	2.0	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3
85°	3.8	4.1	4.4	4.7	5.0	5.3	5.5	5.8	6.0	6.3	6.5
82.5°	5.7	6.1	6.6	7.0	7.5	7.9	8.3	8.8	9.3	9.7	10.1
80°	7.5	8.2	8.9	9.7	10.4	11.1	11.7	12.4	13.0	13.7	14.5
77.5°	9.7	10.7	11.6	12.5	13.5	14.7	15.9	17.0	18.1	19.1	20.1
75°	12.0	13.2	14.7	16.2	17.7	19.2	20.9	24.0	26.9	29.8	32.5
72.5°	14.7	16.6	18.4	20.2	24.0	27.9	31.6	35.2	40.4	46.4	52.1
70°	17.8	20.0	24.2	29.0	33.6	39.1	46.9	54.4	61.6	69.5	79.0
67.5°	21.6	27.1	32.6	38.8	48.2	57.3	66.1	78.3	90.1	101.3	114.8
65°	28.6	34.7	44.1	54.8	65.2	79.4	93.5	107.2	130.5	154.5	177.3
62.5°	35.5	46.7	58.8	72.4	89.0	105.1	131.2	159.9	187.5	222.5	257.0
60°	46.7	60.1	76.3	94.8	116.3	149.8	182.3	222.0	263.3	303.1	350.2
57.5°	58.8	76.3	96.8	123.8	161.1	199.8	247.8	294.3	348.3	402.0	456.2
55°	72.4	94.8	123.8	164.8	210.1	263.4	318.5	381.1	441.7	512.7	580.6
52.5°	89.0	116.3	161.1	210.1	268.6	331.6	400.9	474.2	553.6	633.2	717.9
50°	105.1	149.8	199.8	263.4	331.6	407.6	490.6	578.3	671.7	766.4	864.5
47.5°	131.2	182.3	247.8	318.5	400.9	490.6	586.6	691.1	795.8	909.5	1020.1
45°	159.9	222.0	294.3	381.1	474.2	578.3	691.1	805.7	932.2	1050.9	1152.6
42.5°	187.5	263.3	348.3	441.7	553.6	671.7	795.8	932.2	1060.9	1172.8	1247.1
40°	222.5	303.1	402.0	512.7	633.2	766.4	909.5	1050.9	1172.8	1251.7	1303.0
37.5°	257.0	350.2	456.2	580.6	717.9	864.5	1020.1	1152.6	1247.1	1303.0	1439.5
35°	289.7	395.0	515.9	651.0	798.8	963.3	1112.6	1233.4	1293.6	1427.0	1680.0
32.5°	325.2	437.4	572.4	721.9	885.1	1053.3	1199.5	1275.0	1389.9	1598.3	2099.3
30°	361.3	485.2	628.0	788.8	967.3	1129.8	1247.5	1328.7	1499.4	1974.2	3327.4
27.5°	395.0	530.5	685.3	857.5	1042.1	1201.5	1282.1	1425.1	1768.6	2609.6	4930.5
25°	426.1	572.4	738.4	923.2	1103.7	1241.4	1328.2	1515.0	2079.3	4017.1	6365.8
22.5°	457.7	610.9	787.1	983.6	1160.3	1268.9	1405.2	1753.6	2766.9	5319.3	7682.7
20°	489.0	651.0	834.6	1036.9	1211.6	1293.8	1475.2	1997.2	3877.0	6442.9	8808.9
17.5°	517.0	686.7	879.2	1079.0	1236.7	1333.0	1560.6	2215.9	4876.1	7456.5	9788.2
15°	541.4	717.9	918.2	1115.8	1254.6	1383.8	1738.2	2942.6	5727.2	8325.8	10657.6
12.5°	562.2	744.5	951.5	1147.3	1270.0	1427.3	1890.3	3640.6	6438.7	9016.6	11438.3
10°	579.3	766.4	978.9	1173.2	1282.7	1463.2	2016.1	4218.5	7028.7	9590.6	12088.5
7.5°	592.6	783.6	1000.4	1193.5	1292.6	1491.3	2114.8	4672.4	7492.7	10042.7	12601.5
5°	602.2	795.8	1015.8	1208.1	1299.8	1511.6	2185.8	4999.0	7827.0	10368.8	12972.2
2.5°	608.0	803.2	1025.0	1216.9	1304.1	1523.7	2228.5	5196.0	8028.7	10565.7	13196.2
0°	609.9	805.7	1028.1	1219.8	1305.5	1527.8	2242.8	5261.8	8096.1	10631.6	13271.2
-2.5°	608.0	803.2	1025.0	1216.9	1304.1	1523.7	2228.5	5196.0	8028.7	10565.7	13196.2
-5°	602.2	795.8	1015.8	1208.1	1299.8	1511.6	2185.8	4999.0	7827.0	10368.8	12972.2
-7.5°	592.6	783.6	1000.4	1193.5	1292.6	1491.3	2114.8	4672.4	7492.7	10042.7	12601.5
-10°	579.3	766.4	978.9	1173.2	1282.7	1463.2	2016.1	4218.5	7028.7	9590.6	12088.5
-12.5°	562.2	744.5	951.5	1147.3	1270.0	1427.3	1890.3	3640.6	6438.7	9016.6	11438.3
-15°	541.4	717.9	918.2	1115.8	1254.6	1383.8	1738.2	2942.6	5727.2	8325.8	10657.6
-17.5°	517.0	686.7	879.2	1079.0	1236.7	1333.0	1560.6	2215.9	4876.1	7456.5	9788.2
-20°	489.0	651.0	834.6	1036.9	1211.6	1293.8	1475.2	1997.2	3877.0	6442.9	8808.9



REPORT NUMBER: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	457.7	610.9	787.1	983.6	1160.3	1268.9	1405.2	1753.6	2766.9	5319.3	7682.7
-25°	426.1	572.4	738.4	923.2	1103.7	1241.4	1328.2	1515.0	2079.3	4017.1	6365.8
-27.5°	395.0	530.5	685.3	857.5	1042.1	1201.5	1282.1	1425.1	1768.6	2609.6	4930.5
-30°	361.3	485.2	628.0	788.8	967.3	1129.8	1247.5	1328.7	1499.4	1974.2	3327.4
-32.5°	325.2	437.4	572.4	721.9	885.1	1053.3	1199.5	1275.0	1389.9	1598.3	2099.3
-35°	289.7	395.0	515.9	651.0	798.8	963.3	1112.6	1233.4	1293.6	1427.0	1680.0
-37.5°	257.0	350.2	456.2	580.6	717.9	864.5	1020.1	1152.6	1247.1	1303.0	1439.5
-40°	222.5	303.1	402.0	512.7	633.2	766.4	909.5	1050.9	1172.8	1251.7	1303.0
-42.5°	187.5	263.3	348.3	441.7	553.6	671.7	795.8	932.2	1060.9	1172.8	1247.1
-45°	159.9	222.0	294.3	381.1	474.2	578.3	691.1	805.7	932.2	1050.9	1152.6
-47.5°	131.2	182.3	247.8	318.5	400.9	490.6	586.6	691.1	795.8	909.5	1020.1
-50°	105.1	149.8	199.8	263.4	331.6	407.6	490.6	578.3	671.7	766.4	864.5
-52.5°	89.0	116.3	161.1	210.1	268.6	331.6	400.9	474.2	553.6	633.2	717.9
-55°	72.4	94.8	123.8	164.8	210.1	263.4	318.5	381.1	441.7	512.7	580.6
-57.5°	58.8	76.3	96.8	123.8	161.1	199.8	247.8	294.3	348.3	402.0	456.2
-60°	46.7	60.1	76.3	94.8	116.3	149.8	182.3	222.0	263.3	303.1	350.2
-62.5°	35.5	46.7	58.8	72.4	89.0	105.1	131.2	159.9	187.5	222.5	257.0
-65°	28.6	34.7	44.1	54.8	65.2	79.4	93.5	107.2	130.5	154.5	177.3
-67.5°	21.6	27.1	32.6	38.8	48.2	57.3	66.1	78.3	90.1	101.3	114.8
-70°	17.8	20.0	24.2	29.0	33.6	39.1	46.9	54.4	61.6	69.5	79.0
-72.5°	14.7	16.6	18.4	20.2	24.0	27.9	31.6	35.2	40.4	46.4	52.1
-75°	12.0	13.2	14.7	16.2	17.7	19.2	20.9	24.0	26.9	29.8	32.5
-77.5°	9.7	10.7	11.6	12.5	13.5	14.7	15.9	17.0	18.1	19.1	20.1
-80°	7.5	8.2	8.9	9.7	10.4	11.1	11.7	12.4	13.0	13.7	14.5
-82.5°	5.7	6.1	6.6	7.0	7.5	7.9	8.3	8.8	9.3	9.7	10.1
-85°	3.8	4.1	4.4	4.7	5.0	5.3	5.5	5.8	6.0	6.3	6.5
-87.5°	1.9	2.0	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3
-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: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

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°	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.0
85°	6.7	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9	8.0	8.1
82.5°	10.5	10.9	11.2	11.6	11.9	12.1	12.4	12.6	12.8	12.9	13.1
80°	15.2	15.9	16.6	17.2	17.7	18.2	18.7	19.1	19.4	19.7	20.0
77.5°	21.8	23.8	25.6	27.4	29.0	30.4	31.7	32.9	33.9	34.7	35.4
75°	35.0	38.0	42.1	45.8	49.3	52.5	55.4	57.9	60.1	62.0	63.5
72.5°	57.5	62.6	67.9	74.3	80.3	85.6	90.5	94.8	98.6	101.8	104.4
70°	88.0	96.5	104.5	114.3	127.3	139.1	149.8	159.3	167.6	174.6	180.4
67.5°	134.2	152.5	169.6	185.6	203.8	222.0	238.6	253.2	266.0	276.9	285.9
65°	202.0	229.9	256.0	280.4	303.1	328.7	351.8	372.3	390.3	405.6	418.1
62.5°	289.7	325.2	361.3	395.0	426.1	457.7	489.0	517.0	541.4	562.2	579.3
60°	395.0	437.4	485.2	530.5	572.4	610.9	651.0	686.7	717.9	744.5	766.4
57.5°	515.9	572.4	628.0	685.3	738.4	787.1	834.6	879.2	918.2	951.5	978.9
55°	651.0	721.9	788.8	857.5	923.2	983.6	1036.9	1079.0	1115.8	1147.3	1173.2
52.5°	798.8	885.1	967.3	1042.1	1103.7	1160.3	1211.6	1236.7	1254.6	1270.0	1282.7
50°	963.3	1053.3	1129.8	1201.5	1241.4	1268.9	1293.8	1333.0	1383.8	1427.3	1463.2
47.5°	1112.6	1199.5	1247.5	1282.1	1328.2	1405.2	1475.2	1560.6	1738.2	1890.3	2016.1
45°	1233.4	1275.0	1328.7	1425.1	1515.0	1753.6	1997.2	2215.9	2942.6	3640.6	4218.5
42.5°	1293.6	1389.9	1499.4	1768.6	2079.3	2766.9	3877.0	4876.1	5727.2	6438.7	7028.7
40°	1427.0	1598.3	1974.2	2609.6	4017.1	5319.3	6442.9	7456.5	8325.8	9016.6	9590.6
37.5°	1680.0	2099.3	3327.4	4930.5	6365.8	7682.7	8808.9	9788.2	10657.6	11438.3	12088.5
35°	2141.3	3690.3	5473.4	7077.8	8538.9	9802.7	10981.7	12082.5	13061.7	13995.6	14798.9
32.5°	3690.3	5649.0	7438.3	9035.1	10480.7	11884.5	13189.3	14526.7	15730.4	16950.5	18125.0
30°	5473.4	7438.3	9202.0	10832.4	12437.2	14037.7	15629.3	17364.1	19113.7	20834.6	22807.0
27.5°	7077.8	9035.1	10832.4	12623.3	14474.5	16320.1	18612.4	20956.4	23874.0	26433.1	28636.5
25°	8538.9	10480.7	12437.2	14474.5	16626.2	19248.6	22478.1	25975.5	29197.9	32049.4	34458.5
22.5°	9802.7	11884.5	14037.7	16320.1	19248.6	22992.6	27062.4	30912.7	34414.2	37513.8	40326.4
20°	10981.7	13189.3	15629.3	18612.4	22478.1	27062.4	31494.4	35627.9	39485.3	43340.4	46800.3
17.5°	12082.5	14526.7	17364.1	20956.4	25975.5	30912.7	35627.9	40222.2	44902.9	49769.1	54215.0
15°	13061.7	15730.4	19113.7	23874.0	29197.9	34414.2	39485.3	44902.9	50787.3	56722.7	62543.1
12.5°	13995.6	16950.5	20834.6	26433.1	32049.4	37513.8	43340.4	49769.1	56722.7	63956.7	68957.9
10°	14798.9	18125.0	22807.0	28636.5	34458.5	40326.4	46800.3	54215.0	62543.1	68957.9	73768.0
7.5°	15434.4	19056.6	24376.8	30397.6	36389.7	42756.5	50058.5	58466.3	66660.3	72798.8	76686.8
5°	15894.2	19732.2	25518.4	31682.8	37805.2	44548.0	52479.1	61691.9	69446.7	75033.0	78457.7
2.5°	16172.5	20141.8	26211.9	32465.4	38670.0	45647.1	53972.8	63698.6	71201.1	76270.8	79408.9
0°	16265.7	20279.1	26444.5	32728.2	38960.9	46017.7	54478.0	64380.4	71801.3	76651.0	79734.2
-2.5°	16172.5	20141.8	26211.9	32465.4	38670.0	45647.1	53972.8	63698.6	71201.1	76270.8	79408.9
-5°	15894.2	19732.2	25518.4	31682.8	37805.2	44548.0	52479.1	61691.9	69446.7	75033.0	78457.7
-7.5°	15434.4	19056.6	24376.8	30397.6	36389.7	42756.5	50058.5	58466.3	66660.3	72798.8	76686.8
-10°	14798.9	18125.0	22807.0	28636.5	34458.5	40326.4	46800.3	54215.0	62543.1	68957.9	73768.0
-12.5°	13995.6	16950.5	20834.6	26433.1	32049.4	37513.8	43340.4	49769.1	56722.7	63956.7	68957.9
-15°	13061.7	15730.4	19113.7	23874.0	29197.9	34414.2	39485.3	44902.9	50787.3	56722.7	62543.1
-17.5°	12082.5	14526.7	17364.1	20956.4	25975.5	30912.7	35627.9	40222.2	44902.9	49769.1	54215.0
-20°	10981.7	13189.3	15629.3	18612.4	22478.1	27062.4	31494.4	35627.9	39485.3	43340.4	46800.3



REPORT NUMBER: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9802.7	11884.5	14037.7	16320.1	19248.6	22992.6	27062.4	30912.7	34414.2	37513.8	40326.4
-25°	8538.9	10480.7	12437.2	14474.5	16626.2	19248.6	22478.1	25975.5	29197.9	32049.4	34458.5
-27.5°	7077.8	9035.1	10832.4	12623.3	14474.5	16320.1	18612.4	20956.4	23874.0	26433.1	28636.5
-30°	5473.4	7438.3	9202.0	10832.4	12437.2	14037.7	15629.3	17364.1	19113.7	20834.6	22807.0
-32.5°	3690.3	5649.0	7438.3	9035.1	10480.7	11884.5	13189.3	14526.7	15730.4	16950.5	18125.0
-35°	2141.3	3690.3	5473.4	7077.8	8538.9	9802.7	10981.7	12082.5	13061.7	13995.6	14798.9
-37.5°	1680.0	2099.3	3327.4	4930.5	6365.8	7682.7	8808.9	9788.2	10657.6	11438.3	12088.5
-40°	1427.0	1598.3	1974.2	2609.6	4017.1	5319.3	6442.9	7456.5	8325.8	9016.6	9590.6
-42.5°	1293.6	1389.9	1499.4	1768.6	2079.3	2766.9	3877.0	4876.1	5727.2	6438.7	7028.7
-45°	1233.4	1275.0	1328.7	1425.1	1515.0	1753.6	1997.2	2215.9	2942.6	3640.6	4218.5
-47.5°	1112.6	1199.5	1247.5	1282.1	1328.2	1405.2	1475.2	1560.6	1738.2	1890.3	2016.1
-50°	963.3	1053.3	1129.8	1201.5	1241.4	1268.9	1293.8	1333.0	1383.8	1427.3	1463.2
-52.5°	798.8	885.1	967.3	1042.1	1103.7	1160.3	1211.6	1236.7	1254.6	1270.0	1282.7
-55°	651.0	721.9	788.8	857.5	923.2	983.6	1036.9	1079.0	1115.8	1147.3	1173.2
-57.5°	515.9	572.4	628.0	685.3	738.4	787.1	834.6	879.2	918.2	951.5	978.9
-60°	395.0	437.4	485.2	530.5	572.4	610.9	651.0	686.7	717.9	744.5	766.4
-62.5°	289.7	325.2	361.3	395.0	426.1	457.7	489.0	517.0	541.4	562.2	579.3
-65°	202.0	229.9	256.0	280.4	303.1	328.7	351.8	372.3	390.3	405.6	418.1
-67.5°	134.2	152.5	169.6	185.6	203.8	222.0	238.6	253.2	266.0	276.9	285.9
-70°	88.0	96.5	104.5	114.3	127.3	139.1	149.8	159.3	167.6	174.6	180.4
-72.5°	57.5	62.6	67.9	74.3	80.3	85.6	90.5	94.8	98.6	101.8	104.4
-75°	35.0	38.0	42.1	45.8	49.3	52.5	55.4	57.9	60.1	62.0	63.5
-77.5°	21.8	23.8	25.6	27.4	29.0	30.4	31.7	32.9	33.9	34.7	35.4
-80°	15.2	15.9	16.6	17.2	17.7	18.2	18.7	19.1	19.4	19.7	20.0
-82.5°	10.5	10.9	11.2	11.6	11.9	12.1	12.4	12.6	12.8	12.9	13.1
-85°	6.7	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9	8.0	8.1
-87.5°	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.0
-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: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9
85°	8.1	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.0	7.9	7.8
82.5°	13.2	13.2	13.3	13.3	13.3	13.2	13.2	13.1	12.9	12.8	12.6
80°	20.2	20.3	20.4	20.4	20.4	20.3	20.2	20.0	19.7	19.4	19.1
77.5°	36.0	36.4	36.6	36.7	36.6	36.4	36.0	35.4	34.7	33.9	32.9
75°	64.7	65.6	66.1	66.3	66.1	65.6	64.7	63.5	62.0	60.1	57.9
72.5°	106.5	107.9	108.8	109.1	108.8	107.9	106.5	104.4	101.8	98.6	94.8
70°	184.9	188.1	190.1	190.7	190.1	188.1	184.9	180.4	174.6	167.6	159.3
67.5°	292.9	297.9	300.9	301.9	300.9	297.9	292.9	285.9	276.9	266.0	253.2
65°	427.9	435.0	439.2	440.6	439.2	435.0	427.9	418.1	405.6	390.3	372.3
62.5°	592.6	602.2	608.0	609.9	608.0	602.2	592.6	579.3	562.2	541.4	517.0
60°	783.6	795.8	803.2	805.7	803.2	795.8	783.6	766.4	744.5	717.9	686.7
57.5°	1000.4	1015.8	1025.0	1028.1	1025.0	1015.8	1000.4	978.9	951.5	918.2	879.2
55°	1193.5	1208.1	1216.9	1219.8	1216.9	1208.1	1193.5	1173.2	1147.3	1115.8	1079.0
52.5°	1292.6	1299.8	1304.1	1305.5	1304.1	1299.8	1292.6	1282.7	1270.0	1254.6	1236.7
50°	1491.3	1511.6	1523.7	1527.8	1523.7	1511.6	1491.3	1463.2	1427.3	1383.8	1333.0
47.5°	2114.8	2185.8	2228.5	2242.8	2228.5	2185.8	2114.8	2016.1	1890.3	1738.2	1560.6
45°	4672.4	4999.0	5196.0	5261.8	5196.0	4999.0	4672.4	4218.5	3640.6	2942.6	2215.9
42.5°	7492.7	7827.0	8028.7	8096.1	8028.7	7827.0	7492.7	7028.7	6438.7	5727.2	4876.1
40°	10042.7	10368.8	10565.7	10631.6	10565.7	10368.8	10042.7	9590.6	9016.6	8325.8	7456.5
37.5°	12601.5	12972.2	13196.2	13271.2	13196.2	12972.2	12601.5	12088.5	11438.3	10657.6	9788.2
35°	15434.4	15894.2	16172.5	16265.7	16172.5	15894.2	15434.4	14798.9	13995.6	13061.7	12082.5
32.5°	19056.6	19732.2	20141.8	20279.1	20141.8	19732.2	19056.6	18125.0	16950.5	15730.4	14526.7
30°	24376.8	25518.4	26211.9	26444.5	26211.9	25518.4	24376.8	22807.0	20834.6	19113.7	17364.1
27.5°	30397.6	31682.8	32465.4	32728.2	32465.4	31682.8	30397.6	28636.5	26433.1	23874.0	20956.4
25°	36389.7	37805.2	38670.0	38960.9	38670.0	37805.2	36389.7	34458.5	32049.4	29197.9	25975.5
22.5°	42756.5	44548.0	45647.1	46017.7	45647.1	44548.0	42756.5	40326.4	37513.8	34414.2	30912.7
20°	50058.5	52479.1	53972.8	54478.0	53972.8	52479.1	50058.5	46800.3	43340.4	39485.3	35627.9
17.5°	58466.3	61691.9	63698.6	64380.4	63698.6	61691.9	58466.3	54215.0	49769.1	44902.9	40222.2
15°	66660.3	69446.7	71201.1	71801.3	71201.1	69446.7	66660.3	62543.1	56722.7	50787.3	44902.9
12.5°	72798.8	75033.0	76270.8	76651.0	76270.8	75033.0	72798.8	68957.9	63956.7	56722.7	49769.1
10°	76686.8	78457.7	79408.9	79734.2	79408.9	78457.7	76686.8	73768.0	68957.9	62543.1	54215.0
7.5°	79102.7	80751.1	81741.3	82090.3	81741.3	80751.1	79102.7	76686.8	72798.8	66660.3	58466.3
5°	80751.1	82465.1	83528.4	83852.6	83528.4	82465.1	80751.1	78457.7	75033.0	69446.7	61691.9
2.5°	81741.3	83528.4	84039.4	84022.0	84039.4	83528.4	81741.3	79408.9	76270.8	71201.1	63698.6
0°	82090.3	83852.6	84022.0	83697.6	84022.0	83852.6	82090.3	79734.2	76651.0	71801.3	64380.4
-2.5°	81741.3	83528.4	84039.4	84022.0	84039.4	83528.4	81741.3	79408.9	76270.8	71201.1	63698.6
-5°	80751.1	82465.1	83528.4	83852.6	83528.4	82465.1	80751.1	78457.7	75033.0	69446.7	61691.9
-7.5°	79102.7	80751.1	81741.3	82090.3	81741.3	80751.1	79102.7	76686.8	72798.8	66660.3	58466.3
-10°	76686.8	78457.7	79408.9	79734.2	79408.9	78457.7	76686.8	73768.0	68957.9	62543.1	54215.0
-12.5°	72798.8	75033.0	76270.8	76651.0	76270.8	75033.0	72798.8	68957.9	63956.7	56722.7	49769.1
-15°	66660.3	69446.7	71201.1	71801.3	71201.1	69446.7	66660.3	62543.1	56722.7	50787.3	44902.9
-17.5°	58466.3	61691.9	63698.6	64380.4	63698.6	61691.9	58466.3	54215.0	49769.1	44902.9	40222.2
-20°	50058.5	52479.1	53972.8	54478.0	53972.8	52479.1	50058.5	46800.3	43340.4	39485.3	35627.9



REPORT NUMBER: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	42756.5	44548.0	45647.1	46017.7	45647.1	44548.0	42756.5	40326.4	37513.8	34414.2	30912.7
-25°	36389.7	37805.2	38670.0	38960.9	38670.0	37805.2	36389.7	34458.5	32049.4	29197.9	25975.5
-27.5°	30397.6	31682.8	32465.4	32728.2	32465.4	31682.8	30397.6	28636.5	26433.1	23874.0	20956.4
-30°	24376.8	25518.4	26211.9	26444.5	26211.9	25518.4	24376.8	22807.0	20834.6	19113.7	17364.1
-32.5°	19056.6	19732.2	20141.8	20279.1	20141.8	19732.2	19056.6	18125.0	16950.5	15730.4	14526.7
-35°	15434.4	15894.2	16172.5	16265.7	16172.5	15894.2	15434.4	14798.9	13995.6	13061.7	12082.5
-37.5°	12601.5	12972.2	13196.2	13271.2	13196.2	12972.2	12601.5	12088.5	11438.3	10657.6	9788.2
-40°	10042.7	10368.8	10565.7	10631.6	10565.7	10368.8	10042.7	9590.6	9016.6	8325.8	7456.5
-42.5°	7492.7	7827.0	8028.7	8096.1	8028.7	7827.0	7492.7	7028.7	6438.7	5727.2	4876.1
-45°	4672.4	4999.0	5196.0	5261.8	5196.0	4999.0	4672.4	4218.5	3640.6	2942.6	2215.9
-47.5°	2114.8	2185.8	2228.5	2242.8	2228.5	2185.8	2114.8	2016.1	1890.3	1738.2	1560.6
-50°	1491.3	1511.6	1523.7	1527.8	1523.7	1511.6	1491.3	1463.2	1427.3	1383.8	1333.0
-52.5°	1292.6	1299.8	1304.1	1305.5	1304.1	1299.8	1292.6	1282.7	1270.0	1254.6	1236.7
-55°	1193.5	1208.1	1216.9	1219.8	1216.9	1208.1	1193.5	1173.2	1147.3	1115.8	1079.0
-57.5°	1000.4	1015.8	1025.0	1028.1	1025.0	1015.8	1000.4	978.9	951.5	918.2	879.2
-60°	783.6	795.8	803.2	805.7	803.2	795.8	783.6	766.4	744.5	717.9	686.7
-62.5°	592.6	602.2	608.0	609.9	608.0	602.2	592.6	579.3	562.2	541.4	517.0
-65°	427.9	435.0	439.2	440.6	439.2	435.0	427.9	418.1	405.6	390.3	372.3
-67.5°	292.9	297.9	300.9	301.9	300.9	297.9	292.9	285.9	276.9	266.0	253.2
-70°	184.9	188.1	190.1	190.7	190.1	188.1	184.9	180.4	174.6	167.6	159.3
-72.5°	106.5	107.9	108.8	109.1	108.8	107.9	106.5	104.4	101.8	98.6	94.8
-75°	64.7	65.6	66.1	66.3	66.1	65.6	64.7	63.5	62.0	60.1	57.9
-77.5°	36.0	36.4	36.6	36.7	36.6	36.4	36.0	35.4	34.7	33.9	32.9
-80°	20.2	20.3	20.4	20.4	20.4	20.3	20.2	20.0	19.7	19.4	19.1
-82.5°	13.2	13.2	13.3	13.3	13.3	13.2	13.2	13.1	12.9	12.8	12.6
-85°	8.1	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.0	7.9	7.8
-87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9
-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: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

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°	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.9
85°	7.7	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.8
82.5°	12.4	12.1	11.9	11.6	11.2	10.9	10.5	10.1	9.7	9.3	8.8
80°	18.7	18.2	17.7	17.2	16.6	15.9	15.2	14.5	13.7	13.0	12.4
77.5°	31.7	30.4	29.0	27.4	25.6	23.8	21.8	20.1	19.1	18.1	17.0
75°	55.4	52.5	49.3	45.8	42.1	38.0	35.0	32.5	29.8	26.9	24.0
72.5°	90.5	85.6	80.3	74.3	67.9	62.6	57.5	52.1	46.4	40.4	35.2
70°	149.8	139.1	127.3	114.3	104.5	96.5	88.0	79.0	69.5	61.6	54.4
67.5°	238.6	222.0	203.8	185.6	169.6	152.5	134.2	114.8	101.3	90.1	78.3
65°	351.8	328.7	303.1	280.4	256.0	229.9	202.0	177.3	154.5	130.5	107.2
62.5°	489.0	457.7	426.1	395.0	361.3	325.2	289.7	257.0	222.5	187.5	159.9
60°	651.0	610.9	572.4	530.5	485.2	437.4	395.0	350.2	303.1	263.3	222.0
57.5°	834.6	787.1	738.4	685.3	628.0	572.4	515.9	456.2	402.0	348.3	294.3
55°	1036.9	983.6	923.2	857.5	788.8	721.9	651.0	580.6	512.7	441.7	381.1
52.5°	1211.6	1160.3	1103.7	1042.1	967.3	885.1	798.8	717.9	633.2	553.6	474.2
50°	1293.8	1268.9	1241.4	1201.5	1129.8	1053.3	963.3	864.5	766.4	671.7	578.3
47.5°	1475.2	1405.2	1328.2	1282.1	1247.5	1199.5	1112.6	1020.1	909.5	795.8	691.1
45°	1997.2	1753.6	1515.0	1425.1	1328.7	1275.0	1233.4	1152.6	1050.9	932.2	805.7
42.5°	3877.0	2766.9	2079.3	1768.6	1499.4	1389.9	1293.6	1247.1	1172.8	1060.9	932.2
40°	6442.9	5319.3	4017.1	2609.6	1974.2	1598.3	1427.0	1303.0	1251.7	1172.8	1050.9
37.5°	8808.9	7682.7	6365.8	4930.5	3327.4	2099.3	1680.0	1439.5	1303.0	1247.1	1152.6
35°	10981.7	9802.7	8538.9	7077.8	5473.4	3690.3	2141.3	1680.0	1427.0	1293.6	1233.4
32.5°	13189.3	11884.5	10480.7	9035.1	7438.3	5649.0	3690.3	2099.3	1598.3	1389.9	1275.0
30°	15629.3	14037.7	12437.2	10832.4	9202.0	7438.3	5473.4	3327.4	1974.2	1499.4	1328.7
27.5°	18612.4	16320.1	14474.5	12623.3	10832.4	9035.1	7077.8	4930.5	2609.6	1768.6	1425.1
25°	22478.1	19248.6	16626.2	14474.5	12437.2	10480.7	8538.9	6365.8	4017.1	2079.3	1515.0
22.5°	27062.4	22992.6	19248.6	16320.1	14037.7	11884.5	9802.7	7682.7	5319.3	2766.9	1753.6
20°	31494.4	27062.4	22478.1	18612.4	15629.3	13189.3	10981.7	8808.9	6442.9	3877.0	1997.2
17.5°	35627.9	30912.7	25975.5	20956.4	17364.1	14526.7	12082.5	9788.2	7456.5	4876.1	2215.9
15°	39485.3	34414.2	29197.9	23874.0	19113.7	15730.4	13061.7	10657.6	8325.8	5727.2	2942.6
12.5°	43340.4	37513.8	32049.4	26433.1	20834.6	16950.5	13995.6	11438.3	9016.6	6438.7	3640.6
10°	46800.3	40326.4	34458.5	28636.5	22807.0	18125.0	14798.9	12088.5	9590.6	7028.7	4218.5
7.5°	50058.5	42756.5	36389.7	30397.6	24376.8	19056.6	15434.4	12601.5	10042.7	7492.7	4672.4
5°	52479.1	44548.0	37805.2	31682.8	25518.4	19732.2	15894.2	12972.2	10368.8	7827.0	4999.0
2.5°	53972.8	45647.1	38670.0	32465.4	26211.9	20141.8	16172.5	13196.2	10565.7	8028.7	5196.0
0°	54478.0	46017.7	38960.9	32728.2	26444.5	20279.1	16265.7	13271.2	10631.6	8096.1	5261.8
-2.5°	53972.8	45647.1	38670.0	32465.4	26211.9	20141.8	16172.5	13196.2	10565.7	8028.7	5196.0
-5°	52479.1	44548.0	37805.2	31682.8	25518.4	19732.2	15894.2	12972.2	10368.8	7827.0	4999.0
-7.5°	50058.5	42756.5	36389.7	30397.6	24376.8	19056.6	15434.4	12601.5	10042.7	7492.7	4672.4
-10°	46800.3	40326.4	34458.5	28636.5	22807.0	18125.0	14798.9	12088.5	9590.6	7028.7	4218.5
-12.5°	43340.4	37513.8	32049.4	26433.1	20834.6	16950.5	13995.6	11438.3	9016.6	6438.7	3640.6
-15°	39485.3	34414.2	29197.9	23874.0	19113.7	15730.4	13061.7	10657.6	8325.8	5727.2	2942.6
-17.5°	35627.9	30912.7	25975.5	20956.4	17364.1	14526.7	12082.5	9788.2	7456.5	4876.1	2215.9
-20°	31494.4	27062.4	22478.1	18612.4	15629.3	13189.3	10981.7	8808.9	6442.9	3877.0	1997.2



REPORT NUMBER: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	27062.4	22992.6	19248.6	16320.1	14037.7	11884.5	9802.7	7682.7	5319.3	2766.9	1753.6
-25°	22478.1	19248.6	16626.2	14474.5	12437.2	10480.7	8538.9	6365.8	4017.1	2079.3	1515.0
-27.5°	18612.4	16320.1	14474.5	12623.3	10832.4	9035.1	7077.8	4930.5	2609.6	1768.6	1425.1
-30°	15629.3	14037.7	12437.2	10832.4	9202.0	7438.3	5473.4	3327.4	1974.2	1499.4	1328.7
-32.5°	13189.3	11884.5	10480.7	9035.1	7438.3	5649.0	3690.3	2099.3	1598.3	1389.9	1275.0
-35°	10981.7	9802.7	8538.9	7077.8	5473.4	3690.3	2141.3	1680.0	1427.0	1293.6	1233.4
-37.5°	8808.9	7682.7	6365.8	4930.5	3327.4	2099.3	1680.0	1439.5	1303.0	1247.1	1152.6
-40°	6442.9	5319.3	4017.1	2609.6	1974.2	1598.3	1427.0	1303.0	1251.7	1172.8	1050.9
-42.5°	3877.0	2766.9	2079.3	1768.6	1499.4	1389.9	1293.6	1247.1	1172.8	1060.9	932.2
-45°	1997.2	1753.6	1515.0	1425.1	1328.7	1275.0	1233.4	1152.6	1050.9	932.2	805.7
-47.5°	1475.2	1405.2	1328.2	1282.1	1247.5	1199.5	1112.6	1020.1	909.5	795.8	691.1
-50°	1293.8	1268.9	1241.4	1201.5	1129.8	1053.3	963.3	864.5	766.4	671.7	578.3
-52.5°	1211.6	1160.3	1103.7	1042.1	967.3	885.1	798.8	717.9	633.2	553.6	474.2
-55°	1036.9	983.6	923.2	857.5	788.8	721.9	651.0	580.6	512.7	441.7	381.1
-57.5°	834.6	787.1	738.4	685.3	628.0	572.4	515.9	456.2	402.0	348.3	294.3
-60°	651.0	610.9	572.4	530.5	485.2	437.4	395.0	350.2	303.1	263.3	222.0
-62.5°	489.0	457.7	426.1	395.0	361.3	325.2	289.7	257.0	222.5	187.5	159.9
-65°	351.8	328.7	303.1	280.4	256.0	229.9	202.0	177.3	154.5	130.5	107.2
-67.5°	238.6	222.0	203.8	185.6	169.6	152.5	134.2	114.8	101.3	90.1	78.3
-70°	149.8	139.1	127.3	114.3	104.5	96.5	88.0	79.0	69.5	61.6	54.4
-72.5°	90.5	85.6	80.3	74.3	67.9	62.6	57.5	52.1	46.4	40.4	35.2
-75°	55.4	52.5	49.3	45.8	42.1	38.0	35.0	32.5	29.8	26.9	24.0
-77.5°	31.7	30.4	29.0	27.4	25.6	23.8	21.8	20.1	19.1	18.1	17.0
-80°	18.7	18.2	17.7	17.2	16.6	15.9	15.2	14.5	13.7	13.0	12.4
-82.5°	12.4	12.1	11.9	11.6	11.2	10.9	10.5	10.1	9.7	9.3	8.8
-85°	7.7	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.8
-87.5°	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.9
-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: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

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°	2.8	2.6	2.5	2.4	2.2	2.0	1.9	1.7	1.6	1.4	1.2
85°	5.5	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5
82.5°	8.3	7.9	7.5	7.0	6.6	6.1	5.7	5.2	4.7	4.2	3.7
80°	11.7	11.1	10.4	9.7	8.9	8.2	7.5	6.9	6.2	5.6	4.9
77.5°	15.9	14.7	13.5	12.5	11.6	10.7	9.7	8.7	7.8	7.0	6.1
75°	20.9	19.2	17.7	16.2	14.7	13.2	12.0	10.8	9.6	8.4	7.3
72.5°	31.6	27.9	24.0	20.2	18.4	16.6	14.7	12.9	11.5	10.0	8.6
70°	46.9	39.1	33.6	29.0	24.2	20.0	17.8	15.6	13.4	11.7	10.0
67.5°	66.1	57.3	48.2	38.8	32.6	27.1	21.6	18.4	15.9	13.4	11.5
65°	93.5	79.4	65.2	54.8	44.1	34.7	28.6	22.3	18.4	15.6	12.9
62.5°	131.2	105.1	89.0	72.4	58.8	46.7	35.5	28.6	21.6	17.8	14.7
60°	182.3	149.8	116.3	94.8	76.3	60.1	46.7	34.7	27.1	20.0	16.6
57.5°	247.8	199.8	161.1	123.8	96.8	76.3	58.8	44.1	32.6	24.2	18.4
55°	318.5	263.4	210.1	164.8	123.8	94.8	72.4	54.8	38.8	29.0	20.2
52.5°	400.9	331.6	268.6	210.1	161.1	116.3	89.0	65.2	48.2	33.6	24.0
50°	490.6	407.6	331.6	263.4	199.8	149.8	105.1	79.4	57.3	39.1	27.9
47.5°	586.6	490.6	400.9	318.5	247.8	182.3	131.2	93.5	66.1	46.9	31.6
45°	691.1	578.3	474.2	381.1	294.3	222.0	159.9	107.2	78.3	54.4	35.2
42.5°	795.8	671.7	553.6	441.7	348.3	263.3	187.5	130.5	90.1	61.6	40.4
40°	909.5	766.4	633.2	512.7	402.0	303.1	222.5	154.5	101.3	69.5	46.4
37.5°	1020.1	864.5	717.9	580.6	456.2	350.2	257.0	177.3	114.8	79.0	52.1
35°	1112.6	963.3	798.8	651.0	515.9	395.0	289.7	202.0	134.2	88.0	57.5
32.5°	1199.5	1053.3	885.1	721.9	572.4	437.4	325.2	229.9	152.5	96.5	62.6
30°	1247.5	1129.8	967.3	788.8	628.0	485.2	361.3	256.0	169.6	104.5	67.9
27.5°	1282.1	1201.5	1042.1	857.5	685.3	530.5	395.0	280.4	185.6	114.3	74.3
25°	1328.2	1241.4	1103.7	923.2	738.4	572.4	426.1	303.1	203.8	127.3	80.3
22.5°	1405.2	1268.9	1160.3	983.6	787.1	610.9	457.7	328.7	222.0	139.1	85.6
20°	1475.2	1293.8	1211.6	1036.9	834.6	651.0	489.0	351.8	238.6	149.8	90.5
17.5°	1560.6	1333.0	1236.7	1079.0	879.2	686.7	517.0	372.3	253.2	159.3	94.8
15°	1738.2	1383.8	1254.6	1115.8	918.2	717.9	541.4	390.3	266.0	167.6	98.6
12.5°	1890.3	1427.3	1270.0	1147.3	951.5	744.5	562.2	405.6	276.9	174.6	101.8
10°	2016.1	1463.2	1282.7	1173.2	978.9	766.4	579.3	418.1	285.9	180.4	104.4
7.5°	2114.8	1491.3	1292.6	1193.5	1000.4	783.6	592.6	427.9	292.9	184.9	106.5
5°	2185.8	1511.6	1299.8	1208.1	1015.8	795.8	602.2	435.0	297.9	188.1	107.9
2.5°	2228.5	1523.7	1304.1	1216.9	1025.0	803.2	608.0	439.2	300.9	190.1	108.8
0°	2242.8	1527.8	1305.5	1219.8	1028.1	805.7	609.9	440.6	301.9	190.7	109.1
-2.5°	2228.5	1523.7	1304.1	1216.9	1025.0	803.2	608.0	439.2	300.9	190.1	108.8
-5°	2185.8	1511.6	1299.8	1208.1	1015.8	795.8	602.2	435.0	297.9	188.1	107.9
-7.5°	2114.8	1491.3	1292.6	1193.5	1000.4	783.6	592.6	427.9	292.9	184.9	106.5
-10°	2016.1	1463.2	1282.7	1173.2	978.9	766.4	579.3	418.1	285.9	180.4	104.4
-12.5°	1890.3	1427.3	1270.0	1147.3	951.5	744.5	562.2	405.6	276.9	174.6	101.8
-15°	1738.2	1383.8	1254.6	1115.8	918.2	717.9	541.4	390.3	266.0	167.6	98.6
-17.5°	1560.6	1333.0	1236.7	1079.0	879.2	686.7	517.0	372.3	253.2	159.3	94.8
-20°	1475.2	1293.8	1211.6	1036.9	834.6	651.0	489.0	351.8	238.6	149.8	90.5



REPORT NUMBER: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1405.2	1268.9	1160.3	983.6	787.1	610.9	457.7	328.7	222.0	139.1	85.6
-25°	1328.2	1241.4	1103.7	923.2	738.4	572.4	426.1	303.1	203.8	127.3	80.3
-27.5°	1282.1	1201.5	1042.1	857.5	685.3	530.5	395.0	280.4	185.6	114.3	74.3
-30°	1247.5	1129.8	967.3	788.8	628.0	485.2	361.3	256.0	169.6	104.5	67.9
-32.5°	1199.5	1053.3	885.1	721.9	572.4	437.4	325.2	229.9	152.5	96.5	62.6
-35°	1112.6	963.3	798.8	651.0	515.9	395.0	289.7	202.0	134.2	88.0	57.5
-37.5°	1020.1	864.5	717.9	580.6	456.2	350.2	257.0	177.3	114.8	79.0	52.1
-40°	909.5	766.4	633.2	512.7	402.0	303.1	222.5	154.5	101.3	69.5	46.4
-42.5°	795.8	671.7	553.6	441.7	348.3	263.3	187.5	130.5	90.1	61.6	40.4
-45°	691.1	578.3	474.2	381.1	294.3	222.0	159.9	107.2	78.3	54.4	35.2
-47.5°	586.6	490.6	400.9	318.5	247.8	182.3	131.2	93.5	66.1	46.9	31.6
-50°	490.6	407.6	331.6	263.4	199.8	149.8	105.1	79.4	57.3	39.1	27.9
-52.5°	400.9	331.6	268.6	210.1	161.1	116.3	89.0	65.2	48.2	33.6	24.0
-55°	318.5	263.4	210.1	164.8	123.8	94.8	72.4	54.8	38.8	29.0	20.2
-57.5°	247.8	199.8	161.1	123.8	96.8	76.3	58.8	44.1	32.6	24.2	18.4
-60°	182.3	149.8	116.3	94.8	76.3	60.1	46.7	34.7	27.1	20.0	16.6
-62.5°	131.2	105.1	89.0	72.4	58.8	46.7	35.5	28.6	21.6	17.8	14.7
-65°	93.5	79.4	65.2	54.8	44.1	34.7	28.6	22.3	18.4	15.6	12.9
-67.5°	66.1	57.3	48.2	38.8	32.6	27.1	21.6	18.4	15.9	13.4	11.5
-70°	46.9	39.1	33.6	29.0	24.2	20.0	17.8	15.6	13.4	11.7	10.0
-72.5°	31.6	27.9	24.0	20.2	18.4	16.6	14.7	12.9	11.5	10.0	8.6
-75°	20.9	19.2	17.7	16.2	14.7	13.2	12.0	10.8	9.6	8.4	7.3
-77.5°	15.9	14.7	13.5	12.5	11.6	10.7	9.7	8.7	7.8	7.0	6.1
-80°	11.7	11.1	10.4	9.7	8.9	8.2	7.5	6.9	6.2	5.6	4.9
-82.5°	8.3	7.9	7.5	7.0	6.6	6.1	5.7	5.2	4.7	4.2	3.7
-85°	5.5	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5
-87.5°	2.8	2.6	2.5	2.4	2.2	2.0	1.9	1.7	1.6	1.4	1.2
-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: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

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°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
85°	2.1	1.8	1.4	1.1	0.7	0.4	0.0
82.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
80°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
77.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
75°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
72.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
70°	8.4	7.0	5.6	4.2	2.8	1.4	0.0
67.5°	9.6	7.8	6.2	4.7	3.1	1.6	0.0
65°	10.8	8.7	6.9	5.2	3.5	1.7	0.0
62.5°	12.0	9.7	7.5	5.7	3.8	1.9	0.0
60°	13.2	10.7	8.2	6.1	4.1	2.0	0.0
57.5°	14.7	11.6	8.9	6.6	4.4	2.2	0.0
55°	16.2	12.5	9.7	7.0	4.7	2.4	0.0
52.5°	17.7	13.5	10.4	7.5	5.0	2.5	0.0
50°	19.2	14.7	11.1	7.9	5.3	2.6	0.0
47.5°	20.9	15.9	11.7	8.3	5.5	2.8	0.0
45°	24.0	17.0	12.4	8.8	5.8	2.9	0.0
42.5°	26.9	18.1	13.0	9.3	6.0	3.0	0.0
40°	29.8	19.1	13.7	9.7	6.3	3.1	0.0
37.5°	32.5	20.1	14.5	10.1	6.5	3.3	0.0
35°	35.0	21.8	15.2	10.5	6.7	3.4	0.0
32.5°	38.0	23.8	15.9	10.9	6.9	3.5	0.0
30°	42.1	25.6	16.6	11.2	7.1	3.6	0.0
27.5°	45.8	27.4	17.2	11.6	7.3	3.6	0.0
25°	49.3	29.0	17.7	11.9	7.4	3.7	0.0
22.5°	52.5	30.4	18.2	12.1	7.6	3.8	0.0
20°	55.4	31.7	18.7	12.4	7.7	3.9	0.0
17.5°	57.9	32.9	19.1	12.6	7.8	3.9	0.0
15°	60.1	33.9	19.4	12.8	7.9	4.0	0.0
12.5°	62.0	34.7	19.7	12.9	8.0	4.0	0.0
10°	63.5	35.4	20.0	13.1	8.1	4.0	0.0
7.5°	64.7	36.0	20.2	13.2	8.1	4.1	0.0
5°	65.6	36.4	20.3	13.2	8.2	4.1	0.0
2.5°	66.1	36.6	20.4	13.3	8.2	4.1	0.0
0°	66.3	36.7	20.4	13.3	8.2	4.1	0.0
-2.5°	66.1	36.6	20.4	13.3	8.2	4.1	0.0
-5°	65.6	36.4	20.3	13.2	8.2	4.1	0.0
-7.5°	64.7	36.0	20.2	13.2	8.1	4.1	0.0
-10°	63.5	35.4	20.0	13.1	8.1	4.0	0.0
-12.5°	62.0	34.7	19.7	12.9	8.0	4.0	0.0
-15°	60.1	33.9	19.4	12.8	7.9	4.0	0.0
-17.5°	57.9	32.9	19.1	12.6	7.8	3.9	0.0
-20°	55.4	31.7	18.7	12.4	7.7	3.9	0.0



REPORT NUMBER: P1305885 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	52.5	30.4	18.2	12.1	7.6	3.8	0.0
-25°	49.3	29.0	17.7	11.9	7.4	3.7	0.0
-27.5°	45.8	27.4	17.2	11.6	7.3	3.6	0.0
-30°	42.1	25.6	16.6	11.2	7.1	3.6	0.0
-32.5°	38.0	23.8	15.9	10.9	6.9	3.5	0.0
-35°	35.0	21.8	15.2	10.5	6.7	3.4	0.0
-37.5°	32.5	20.1	14.5	10.1	6.5	3.3	0.0
-40°	29.8	19.1	13.7	9.7	6.3	3.1	0.0
-42.5°	26.9	18.1	13.0	9.3	6.0	3.0	0.0
-45°	24.0	17.0	12.4	8.8	5.8	2.9	0.0
-47.5°	20.9	15.9	11.7	8.3	5.5	2.8	0.0
-50°	19.2	14.7	11.1	7.9	5.3	2.6	0.0
-52.5°	17.7	13.5	10.4	7.5	5.0	2.5	0.0
-55°	16.2	12.5	9.7	7.0	4.7	2.4	0.0
-57.5°	14.7	11.6	8.9	6.6	4.4	2.2	0.0
-60°	13.2	10.7	8.2	6.1	4.1	2.0	0.0
-62.5°	12.0	9.7	7.5	5.7	3.8	1.9	0.0
-65°	10.8	8.7	6.9	5.2	3.5	1.7	0.0
-67.5°	9.6	7.8	6.2	4.7	3.1	1.6	0.0
-70°	8.4	7.0	5.6	4.2	2.8	1.4	0.0
-72.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
-75°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
-77.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-80°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
-82.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
-85°	2.1	1.8	1.4	1.1	0.7	0.4	0.0
-87.5°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)