

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: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-5S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-40-70-5S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

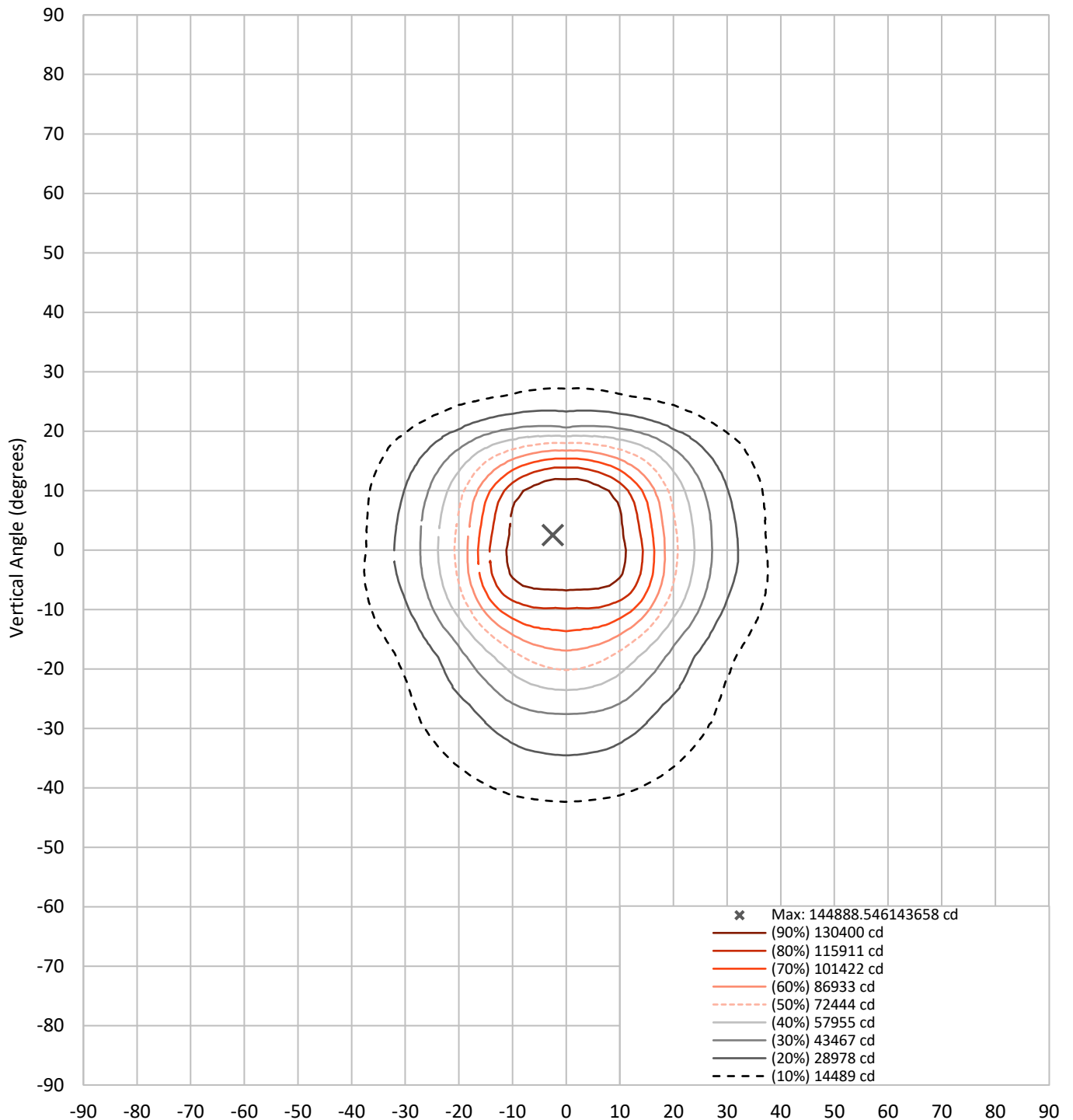
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	77353.7 lumens	Max Intensity:	144888.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	117.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	42622.4 lumens	Field Lumens:	71937.5 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

Input Watts (W): 658
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-LS-08-0640L-40-70-5S-CV1-S

Iso-Candela Plot





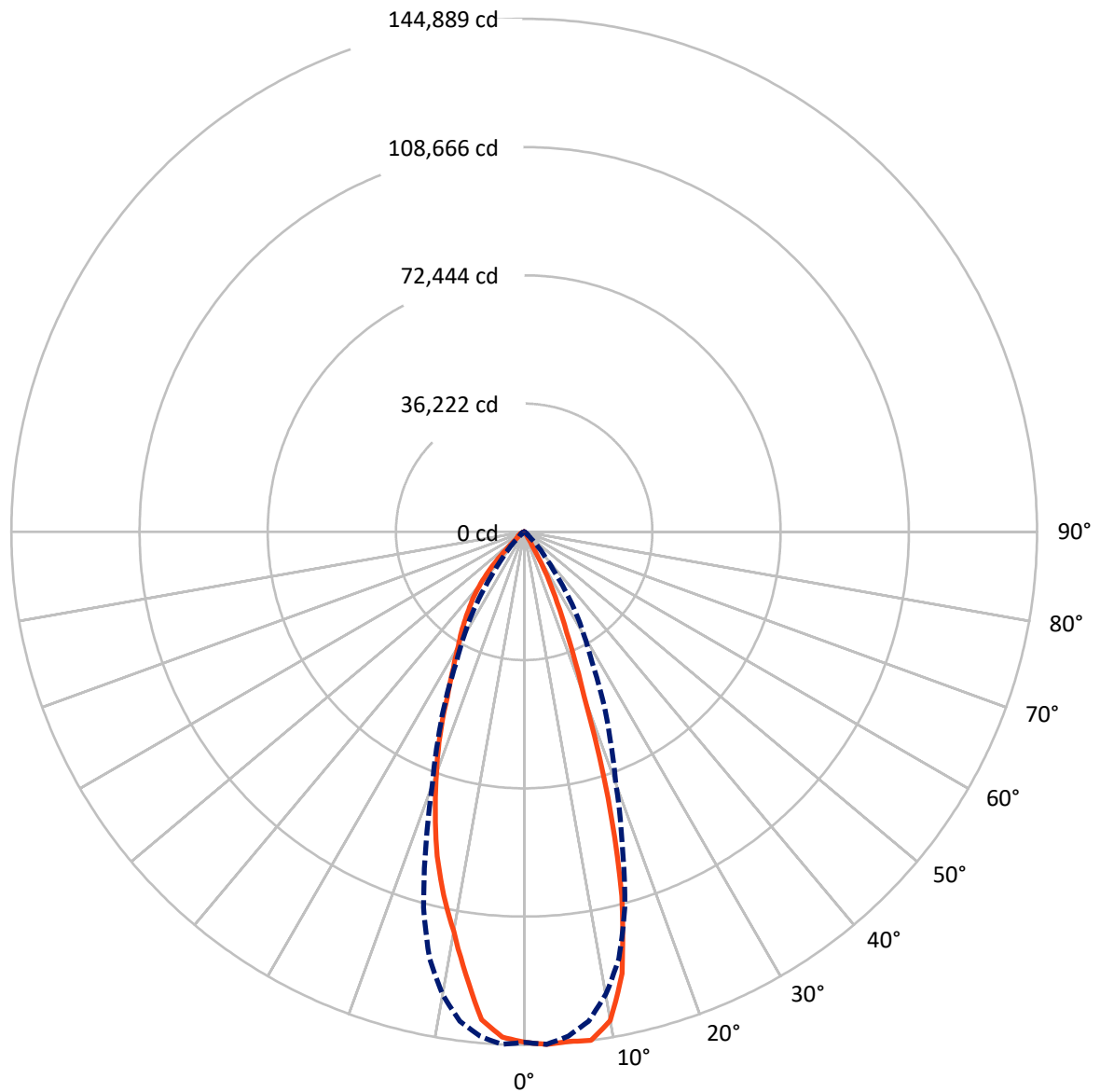
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Lumen Table

90																
80	0.1	0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1
70																
60	0.1	0.1	0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	0.1	0.1
50		0.1	0.2	0.8	0.8	0.4	0.3	0.3	0.3	0.3	0.4	0.8	0.8	0.2	0.1	
40	0.2	0.1	0.3	0.5	0.8	1.0	1.2	1.2	1.2	1.2	1.0	0.8	0.5	0.3	0.1	0.2
30		0.2	0.8	2.3	5.0	10.9	25.8	36.8	36.8	25.8	10.9	5.0	2.3	0.8	0.2	
20	0.2	0.4	4.1	15.5	84.3	259.0	521.1	701.1	701.1	521.1	259.0	84.3	15.5	4.1	0.4	0.2
10		1.2	10.1	55.7	347.6	989.5	2051.3	2954.2	2954.2	2051.3	989.5	347.6	55.7	10.1	1.2	
0	0.2	1.9	13.6	87.9	499.6	1423.5	3075.6	4253.1	4253.1	3075.6	1423.5	499.6	87.9	13.6	1.9	0.2
-10		2.4	14.6	92.0	503.2	1387.7	3030.9	4017.4	4017.4	3030.9	1387.7	503.2	92.0	14.6	2.4	
-20	0.4	2.8	14.0	61.8	330.8	915.4	1947.1	2769.6	2769.6	1947.1	915.4	330.8	61.8	14.0	2.8	0.4
-30		2.7	13.3	34.4	195.0	560.6	1089.7	1541.1	1541.1	1089.7	560.6	195.0	34.4	13.3	2.7	
-40	0.4	2.2	10.8	25.6	78.4	309.0	603.0	825.2	825.2	603.0	309.0	78.4	25.6	10.8	2.2	0.4
-50		1.4	7.0	20.0	38.5	71.9	170.4	264.8	264.8	170.4	71.9	38.5	20.0	7.0	1.4	
-60	0.2	0.7	3.5	10.9	23.6	38.5	52.5	60.8	60.8	52.5	38.5	23.6	10.9	3.5	0.7	0.2
-70		0.3	1.3	3.7	8.1	13.8	20.3	24.0	24.0	20.3	13.8	8.1	3.7	1.3	0.3	
-80																
-90	0.2	0.7		2.7		6.5		8.7		6.5		2.7		0.7		0.2

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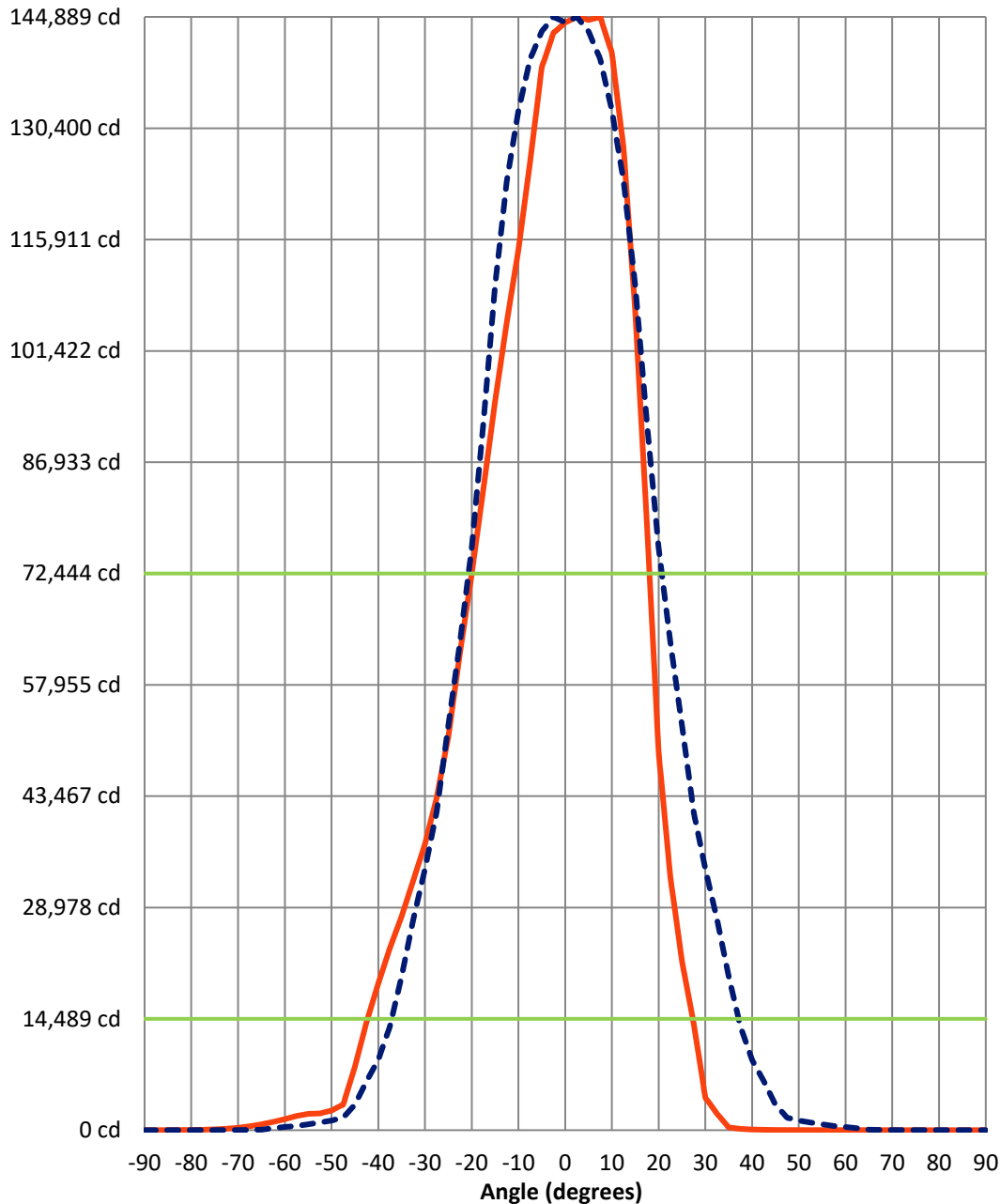
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.4°
 V Angle: 38°
 Lumens: 42622.4
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 71937.5
 Efficiency: 93.0%

Spill:
 Lumens: 5416.2
 Efficiency: 7.0%

— 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°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1
85°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1
82.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.9	4.7
80°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.8	5.6	5.5	5.6
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.0	5.9	6.1	6.2
75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.2	6.2	6.2
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
70°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
67.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
60°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.4
55°	6.2	6.2	6.2	6.2	6.2	6.2	6.4	6.3	6.2	6.3	6.7
52.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.6	6.4	6.2	6.8	7.2
50°	6.2	6.2	6.2	6.2	6.2	6.4	6.8	6.5	6.4	7.3	8.3
47.5°	6.2	6.2	6.2	6.2	6.2	6.6	7.0	6.6	6.9	7.9	9.3
45°	6.2	6.2	6.2	6.2	6.2	6.9	7.1	6.7	7.6	8.7	10.3
42.5°	6.2	6.2	6.2	6.2	6.2	7.1	7.2	7.1	8.2	9.4	10.9
40°	6.2	6.2	6.2	6.2	6.3	7.4	7.3	7.6	8.8	10.0	11.5
37.5°	6.2	6.2	6.2	6.3	6.5	7.7	7.4	8.2	9.4	10.7	12.1
35°	6.2	6.2	6.2	6.3	6.7	7.8	7.5	8.7	10.0	11.5	12.8
32.5°	6.2	6.2	6.2	6.4	6.9	7.9	7.7	9.2	10.6	12.2	14.5
30°	6.2	6.2	6.2	6.5	7.2	8.0	8.1	9.6	11.1	13.1	16.6
27.5°	6.2	6.2	6.2	6.6	7.4	8.1	8.5	10.1	11.7	14.0	18.9
25°	6.2	6.2	6.2	6.7	7.6	8.2	8.9	10.5	12.4	15.5	21.5
22.5°	6.2	6.2	6.2	6.9	7.8	8.3	9.2	10.9	13.1	17.5	26.4
20°	6.2	6.2	6.2	7.0	7.9	8.3	9.6	11.3	13.8	19.6	31.7
17.5°	6.2	6.2	6.2	7.2	8.1	8.3	9.8	11.6	14.6	21.7	37.2
15°	6.2	6.2	6.2	7.3	8.1	8.3	10.0	11.9	15.3	23.9	42.9
12.5°	6.2	6.2	6.2	7.5	8.2	8.3	10.1	12.1	15.9	26.1	48.7
10°	6.2	6.2	6.2	7.7	8.3	8.3	10.2	12.2	16.6	28.5	54.3
7.5°	6.2	6.2	6.2	7.8	8.3	8.3	10.3	12.3	17.1	31.0	59.6
5°	6.2	6.2	6.2	8.0	8.3	8.3	10.4	12.3	17.7	33.3	64.4
2.5°	6.2	6.2	6.2	8.2	8.3	8.3	10.4	12.4	18.2	35.4	68.8
0°	6.2	6.2	6.2	8.3	8.3	8.3	10.4	12.4	18.6	37.3	72.5
-2.5°	6.2	6.2	6.3	8.3	8.3	8.5	10.9	14.7	24.9	48.7	90.4
-5°	6.2	6.2	6.4	8.3	8.3	8.8	11.4	16.8	31.0	59.4	107.3
-7.5°	6.2	6.2	6.5	8.3	8.3	9.0	11.9	18.8	36.5	69.3	122.7
-10°	6.2	6.2	6.6	8.2	8.3	9.2	12.3	20.6	41.4	78.1	136.2
-12.5°	6.2	6.2	6.6	8.2	8.3	9.3	12.6	22.0	45.4	85.8	149.3
-15°	6.2	6.2	6.7	8.2	8.3	9.4	12.9	23.1	49.2	93.2	160.4
-17.5°	6.2	6.2	6.8	8.1	8.3	9.5	13.1	24.8	52.8	98.9	168.5
-20°	6.2	6.2	6.8	8.1	8.3	9.6	13.6	26.8	55.3	102.6	173.2



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.2	6.2	6.9	8.1	8.3	9.6	14.7	28.3	56.5	104.2	174.4
-25°	6.2	6.2	6.9	8.1	8.3	9.7	15.4	29.0	56.4	103.6	171.6
-27.5°	6.2	6.2	7.0	8.1	8.3	9.9	15.8	29.1	54.9	101.7	170.5
-30°	6.2	6.2	7.0	8.1	8.3	10.0	15.8	28.4	54.0	99.8	166.4
-32.5°	6.2	6.2	7.0	8.1	8.4	9.9	15.5	28.2	53.1	95.9	159.1
-35°	6.2	6.2	7.0	8.1	8.5	9.6	15.2	27.8	51.1	89.9	148.6
-37.5°	6.2	6.2	7.0	8.2	8.6	9.4	14.9	26.7	48.1	81.9	134.9
-40°	6.2	6.2	6.9	8.3	8.6	9.5	14.3	25.0	43.9	75.9	121.6
-42.5°	6.2	6.2	6.9	8.3	8.7	9.5	13.5	22.7	40.4	68.9	106.7
-45°	6.2	6.2	6.8	8.3	8.7	9.5	12.4	20.5	37.0	60.8	91.2
-47.5°	6.2	6.2	6.7	8.3	8.7	9.5	11.1	18.9	32.7	52.0	81.1
-50°	6.2	6.2	6.7	8.2	8.6	9.5	10.8	16.9	27.5	45.8	70.1
-52.5°	6.2	6.2	6.6	8.0	8.6	9.4	10.6	14.5	23.7	39.0	58.7
-55°	6.2	6.2	6.5	7.8	8.5	9.2	10.5	12.1	20.5	31.5	49.9
-57.5°	6.2	6.2	6.3	7.6	8.4	9.1	10.2	11.8	16.9	26.3	40.3
-60°	6.2	6.2	6.2	7.4	8.3	8.9	9.9	11.4	13.8	21.7	31.5
-62.5°	6.2	6.2	6.2	7.2	8.1	8.7	9.6	11.0	13.0	16.7	25.6
-65°	6.2	6.2	6.2	7.0	7.9	8.4	9.2	10.4	12.1	14.7	19.3
-67.5°	6.2	6.2	6.2	6.9	7.7	8.2	8.8	9.9	11.1	13.2	16.0
-70°	6.2	6.2	6.2	6.7	7.6	8.1	8.4	9.4	10.5	11.7	14.0
-72.5°	6.2	6.2	6.2	6.6	7.4	8.0	8.3	8.8	9.9	11.0	12.0
-75°	6.2	6.2	6.2	6.6	7.2	7.9	8.3	8.6	9.3	10.3	11.3
-77.5°	6.2	6.2	6.2	6.5	7.1	7.8	8.2	8.5	9.0	9.6	10.5
-80°	6.2	6.2	6.2	6.5	6.9	7.5	8.3	8.4	8.7	9.1	9.7
-82.5°	6.2	6.2	6.2	6.4	6.7	7.2	7.8	8.1	8.3	8.5	8.8
-85°	6.2	6.2	6.2	6.3	6.6	6.9	7.3	7.5	7.6	7.8	8.0
-87.5°	6.2	6.2	6.2	6.3	6.4	6.5	6.7	6.8	6.9	7.0	7.1
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.7	4.6	4.4	4.1	4.1	4.1	4.1	4.3	4.4	4.4	4.3
80°	5.5	5.2	4.7	4.2	4.3	4.6	5.1	5.7	5.7	5.3	5.0
77.5°	5.8	5.3	4.8	4.2	4.5	5.2	5.8	6.1	6.1	6.0	6.1
75°	5.8	5.3	5.1	5.1	5.5	6.0	6.2	6.6	6.9	6.9	6.7
72.5°	6.0	5.8	5.8	6.2	6.3	6.6	7.1	7.9	8.3	8.2	8.1
70°	6.1	6.2	6.2	6.2	6.3	7.1	8.1	9.2	9.9	10.3	11.3
67.5°	6.2	6.2	6.2	6.3	7.1	8.2	9.4	11.8	14.9	16.1	17.2
65°	6.2	6.2	6.5	7.2	8.2	9.8	12.5	16.0	22.1	25.0	26.3
62.5°	6.2	6.4	6.9	8.0	9.3	11.5	16.7	23.5	31.2	35.5	34.6
60°	6.3	6.5	7.8	9.4	11.0	15.6	22.5	30.4	40.3	47.3	42.5
57.5°	6.4	7.3	9.4	11.4	14.8	19.4	26.4	35.9	46.0	56.7	49.0
55°	7.1	9.0	11.0	13.8	17.6	21.0	28.1	37.0	48.1	54.9	48.2
52.5°	8.7	10.6	12.4	15.6	19.3	22.1	26.3	34.6	41.1	46.7	43.0
50°	10.1	11.4	13.4	17.1	20.4	22.1	21.8	28.1	33.6	36.1	36.6
47.5°	10.9	12.2	14.7	18.4	21.0	21.5	19.5	22.7	26.8	29.4	28.6
45°	11.6	13.6	16.3	19.5	21.4	20.7	20.3	19.1	24.3	26.6	27.0
42.5°	12.3	15.1	18.3	20.8	21.6	22.7	23.1	23.3	26.0	31.1	33.8
40°	13.6	16.7	20.8	23.0	23.3	26.9	30.6	33.4	35.3	42.3	47.3
37.5°	14.9	19.2	24.2	27.9	28.4	34.7	40.4	58.8	62.6	57.1	75.1
35°	16.1	22.1	30.6	39.4	44.3	45.9	71.2	96.1	106.7	104.5	119.6
32.5°	18.3	25.3	38.9	58.8	78.4	83.5	110.5	152.5	190.0	205.2	195.9
30°	21.9	33.1	52.2	83.5	128.0	177.0	184.6	231.3	307.1	369.0	461.5
27.5°	27.2	43.1	75.9	129.0	200.2	300.3	324.9	365.4	478.3	633.5	931.7
25°	33.4	68.6	103.0	189.5	321.3	438.8	485.1	561.4	692.3	1194.3	1880.7
22.5°	47.1	102.7	158.6	259.3	462.6	583.9	667.5	795.8	1106.9	1908.4	3244.6
20°	71.7	150.1	228.8	347.3	612.0	737.1	849.4	1044.4	1739.1	3229.4	5401.1
17.5°	100.6	201.2	301.5	453.4	692.7	863.6	1037.5	1299.4	2402.5	4770.0	7655.4
15°	132.9	255.3	369.9	545.3	763.3	947.1	1189.8	1793.6	3455.7	6529.0	9726.1
12.5°	167.4	311.0	433.8	623.8	828.8	1025.5	1314.6	2215.9	4553.5	8127.0	11853.6
10°	203.0	367.4	493.5	689.9	888.8	1098.1	1427.7	2601.8	5327.5	8726.5	12872.7
7.5°	225.1	402.6	541.7	744.9	943.1	1164.3	1527.9	2942.6	5875.2	9028.9	13292.5
5°	241.7	411.6	546.5	761.0	977.7	1217.0	1606.1	3228.3	6215.6	9071.7	13422.1
2.5°	254.4	415.2	547.5	766.0	998.6	1252.7	1632.8	3322.9	6371.6	9154.7	13511.8
0°	263.0	414.2	544.7	764.3	1012.8	1280.0	1642.4	3340.8	6375.0	9208.3	13545.3
-2.5°	277.1	429.0	572.4	796.4	1028.8	1285.7	1655.8	3434.8	6684.3	9788.0	14567.4
-5°	287.1	440.1	595.5	821.4	1038.4	1282.9	1653.6	3439.8	6723.1	9922.5	14609.0
-7.5°	293.2	447.5	612.9	836.2	1030.1	1250.6	1597.1	3161.9	6131.5	9314.0	13616.4
-10°	297.0	456.9	625.1	827.5	999.3	1197.7	1516.9	2818.1	5424.1	8531.2	12416.9
-12.5°	303.8	467.9	633.2	817.4	970.7	1139.4	1422.5	2418.2	4620.7	7574.4	11026.8
-15°	305.9	475.1	637.3	807.6	946.8	1076.6	1314.4	1970.3	3815.6	6734.4	9650.8
-17.5°	303.2	478.5	637.5	799.5	929.7	1010.4	1203.9	1583.0	3215.3	5918.9	8610.0
-20°	295.5	478.2	634.1	794.6	919.2	988.7	1167.5	1498.7	2699.4	4963.6	7626.6



REPORT NUMBER: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	282.8	474.2	628.0	786.2	918.2	1008.7	1136.6	1392.4	2052.2	3860.4	6607.3
-25°	274.5	456.3	618.4	764.6	911.9	1030.2	1103.3	1278.7	1647.0	3017.8	5233.6
-27.5°	270.5	432.3	589.6	733.5	895.9	1042.6	1109.6	1237.4	1498.0	2092.4	3786.6
-30°	261.3	392.1	555.1	694.3	858.5	1017.8	1134.1	1194.6	1363.0	1709.3	2706.0
-32.5°	243.0	350.8	509.4	651.8	806.6	981.2	1138.5	1198.2	1307.0	1506.4	1879.9
-35°	221.8	324.5	459.6	602.6	744.3	921.4	1087.7	1215.0	1262.7	1407.0	1667.8
-37.5°	203.3	293.6	408.8	547.6	684.7	847.6	1030.7	1178.7	1277.0	1340.2	1533.0
-40°	181.8	258.4	366.7	491.3	624.5	773.1	942.6	1115.4	1254.8	1374.6	1455.4
-42.5°	158.3	231.2	323.4	435.1	563.5	701.3	848.0	1019.1	1197.5	1368.1	1492.9
-45°	139.8	200.9	277.8	382.7	498.9	626.1	763.5	908.0	1094.4	1286.8	1461.1
-47.5°	119.5	170.4	240.6	325.6	433.2	549.8	674.5	811.1	964.8	1149.9	1350.0
-50°	99.9	145.7	199.8	275.7	365.7	471.5	585.5	705.0	840.8	994.9	1170.9
-52.5°	86.5	119.0	167.2	225.3	302.6	392.5	493.3	598.6	714.5	841.1	985.7
-55°	72.1	100.2	135.1	182.9	241.2	318.0	400.2	493.7	589.9	700.0	811.3
-57.5°	59.4	82.4	109.6	144.7	191.4	244.3	315.7	389.5	475.1	564.0	652.9
-60°	47.4	65.7	88.1	114.9	146.5	190.2	235.5	297.1	365.5	432.5	506.7
-62.5°	35.6	50.6	68.2	89.2	114.9	140.3	176.4	218.6	263.4	318.6	373.0
-65°	28.1	36.6	50.0	66.8	85.1	106.8	129.3	152.1	188.1	223.9	257.9
-67.5°	20.2	27.9	35.7	45.2	60.6	75.9	92.1	112.0	132.0	150.8	172.7
-70°	16.7	19.6	25.8	32.8	39.7	47.9	61.3	75.3	89.4	103.5	119.3
-72.5°	13.9	16.4	19.1	22.0	27.6	33.0	38.3	43.5	52.5	64.0	75.1
-75°	12.2	13.2	15.3	17.7	20.0	22.2	24.7	29.2	33.6	38.1	42.5
-77.5°	11.1	11.8	12.7	13.8	15.1	17.1	18.9	20.8	22.5	24.2	25.9
-80°	10.1	10.4	10.9	11.5	12.3	13.3	14.3	15.4	16.6	18.0	19.4
-82.5°	9.1	9.3	9.6	9.8	10.0	10.2	10.5	11.1	11.8	12.5	13.3
-85°	8.1	8.3	8.5	8.6	8.8	8.9	9.0	9.2	9.3	9.4	9.5
-87.5°	7.2	7.2	7.3	7.4	7.5	7.5	7.6	7.7	7.7	7.8	7.9
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1



REPORT NUMBER: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1	4.1	4.1
87.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1
85°	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0	3.5	3.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	4.7	4.7	4.6	4.4	4.1	4.1	4.1	4.1	4.1	3.6	3.1
77.5°	6.2	5.8	5.3	4.7	4.2	4.1	4.1	4.1	4.1	3.7	3.1
75°	6.4	6.0	5.7	5.4	5.2	5.0	4.8	4.6	4.2	4.0	4.0
72.5°	7.9	7.8	7.7	7.9	7.9	7.6	7.2	6.7	5.9	5.8	6.0
70°	12.0	12.4	12.5	12.3	11.6	10.6	9.8	9.0	8.1	7.9	8.0
67.5°	18.3	18.6	18.0	16.7	14.5	12.6	11.6	10.3	8.9	8.5	9.1
65°	26.0	23.0	20.5	18.3	16.4	14.6	13.3	12.0	10.5	10.3	11.6
62.5°	31.0	24.4	20.6	18.9	17.6	16.4	14.5	12.8	11.3	10.5	10.7
60°	35.4	26.0	19.6	17.9	16.3	14.7	12.8	11.2	9.9	9.0	8.7
57.5°	37.4	26.5	18.0	15.7	13.4	11.3	10.3	9.8	9.1	8.3	8.8
55°	36.0	24.7	15.3	13.6	12.9	12.5	12.0	11.0	10.2	9.6	10.0
52.5°	30.9	22.5	16.3	14.1	13.5	12.9	12.3	12.1	12.0	11.7	11.9
50°	27.5	21.0	16.7	14.3	14.3	14.3	14.3	14.5	14.8	14.9	15.1
47.5°	24.5	19.7	18.7	16.4	16.8	18.1	18.3	18.7	19.7	19.6	19.1
45°	24.5	26.3	25.8	24.3	23.5	32.6	33.2	27.8	33.0	32.4	28.3
42.5°	35.9	38.5	39.1	48.0	64.9	64.0	62.3	70.5	64.9	56.7	51.0
40°	55.6	55.6	66.0	81.1	80.5	77.3	87.6	89.0	88.3	93.0	91.5
37.5°	88.5	89.6	94.4	103.4	119.2	111.7	134.1	148.6	150.8	170.9	186.4
35°	147.3	172.6	150.1	203.8	239.0	231.5	264.1	322.5	267.5	409.6	435.3
32.5°	276.1	333.0	376.7	438.1	517.5	634.8	643.5	1058.7	1141.8	1387.0	1722.1
30°	475.4	640.2	957.0	1039.7	1167.4	1653.4	2228.0	2947.0	3615.3	4092.7	4720.6
27.5°	1144.6	1416.9	2099.3	2840.6	2797.3	3705.4	5760.6	6392.8	8128.1	8705.6	10170.3
25°	2560.2	3212.4	4864.0	6335.9	7086.0	9478.5	12190.0	13412.7	15698.8	16914.2	18707.6
22.5°	5006.7	6795.9	8986.5	11246.9	14063.6	17726.8	21078.6	23525.3	26603.3	29074.5	30537.1
20°	8103.7	10579.4	13953.0	17464.2	21821.0	26633.4	30131.9	35088.9	39718.3	44114.3	46097.2
17.5°	11052.8	15189.2	19270.6	23508.6	29223.7	35518.7	41220.7	48470.4	56146.6	62049.8	66862.0
15°	13551.6	18154.3	24043.0	29108.0	35649.3	43499.4	51976.3	61244.8	72284.1	80674.5	89710.3
12.5°	15858.2	20473.4	26862.7	32911.8	41719.9	50586.0	60478.3	71994.5	84755.8	97167.5	108810.4
10°	17343.3	22662.4	29509.1	36858.2	45880.8	56176.0	67428.9	80330.1	96683.7	110873.4	123990.2
7.5°	18241.7	24658.7	31748.4	39584.8	49243.5	59837.8	71688.8	86897.7	104080.3	118901.8	130685.7
5°	19125.3	26294.2	33193.9	40899.1	51432.3	62213.0	73772.3	89028.3	106750.7	121586.3	132168.1
2.5°	20011.4	27420.2	33987.9	41422.2	52675.1	63555.3	75793.8	92047.1	109860.9	123486.1	132678.3
0°	20821.3	27821.8	34273.5	41553.6	53216.2	64141.6	76601.6	92651.0	112523.7	125627.8	134527.6
-2.5°	21115.0	27800.0	33964.6	41182.7	52764.5	63339.1	75740.0	93036.3	111581.6	124915.7	133952.7
-5°	20221.7	26288.3	32287.4	39598.7	50364.9	61280.1	73764.3	90915.0	108519.2	122323.4	130940.9
-7.5°	18542.1	24023.5	29924.2	37169.1	46951.3	57499.2	68863.9	83844.6	101175.5	114035.6	120822.8
-10°	16784.1	21485.6	27059.9	33765.4	42385.8	52402.7	61823.0	74569.9	90588.1	101989.2	108935.3
-12.5°	14774.5	18589.6	23734.7	29595.7	37290.3	46023.1	54639.2	65420.9	77654.2	89380.6	96611.9
-15°	12664.7	15735.0	20205.4	25829.5	31906.3	38438.1	46405.9	55139.4	64894.0	74398.9	82636.7
-17.5°	10976.0	13345.3	17447.6	22501.9	27135.5	32434.6	40200.4	47300.3	54439.2	62105.0	68967.7
-20°	9889.9	12113.9	15427.6	19647.7	24244.3	29585.9	35587.1	41796.9	48432.9	54318.5	60367.2



REPORT NUMBER: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9023.0	11308.9	13865.7	17382.7	22275.4	27182.8	31799.3	36551.4	42057.0	48068.8	53135.9
-25°	7896.9	10294.1	12723.2	16068.4	20187.6	24525.2	27924.0	31307.6	36275.1	41387.8	45576.7
-27.5°	6330.9	9041.3	11877.3	14600.1	18111.5	21196.5	24183.1	27249.7	31581.1	35896.8	39026.6
-30°	4517.7	7648.2	10593.6	13375.7	15786.6	18215.8	20713.6	23852.7	27473.7	30946.2	33606.7
-32.5°	3305.7	5651.4	8836.7	11676.2	14035.6	16069.0	17987.4	20780.6	23613.4	26397.8	28940.8
-35°	2109.4	3823.9	6305.9	9197.4	11967.3	14126.3	16212.1	18235.9	20365.0	22738.1	24938.6
-37.5°	1816.2	2277.1	3802.0	5959.3	8613.9	11435.1	13485.8	15500.5	17673.9	19456.8	21306.8
-40°	1646.1	1886.9	2273.1	3038.3	5042.8	7033.1	9337.1	11491.9	13569.2	15399.3	17089.9
-42.5°	1571.7	1715.8	1871.8	2162.1	2485.5	3439.8	5119.6	6688.6	8537.5	10374.4	11978.9
-45°	1609.3	1658.9	1738.2	1881.0	2013.3	2282.2	2565.3	2861.0	4124.4	5449.1	6584.3
-47.5°	1506.3	1650.6	1727.6	1789.7	1857.7	1974.7	2095.7	2260.4	2545.2	2833.9	3062.6
-50°	1335.3	1489.1	1624.1	1757.3	1821.7	1868.4	1918.3	2014.8	2147.0	2282.9	2383.0
-52.5°	1122.7	1271.5	1420.1	1554.9	1664.9	1771.1	1876.1	1955.1	2024.2	2092.5	2125.4
-55°	932.4	1056.6	1176.3	1297.8	1417.6	1531.2	1647.6	1766.0	1876.0	1977.6	2027.9
-57.5°	753.6	857.7	960.7	1053.3	1148.9	1246.1	1353.8	1468.8	1582.6	1688.9	1743.9
-60°	584.0	663.9	748.1	823.6	894.6	961.1	1054.2	1148.6	1238.9	1316.0	1356.9
-62.5°	427.0	489.0	552.9	613.0	669.8	726.2	796.4	864.7	930.2	983.2	1014.1
-65°	296.0	342.1	385.0	426.5	466.8	515.0	568.1	619.1	667.6	703.9	724.4
-67.5°	202.0	229.4	253.4	275.8	304.7	338.6	375.8	410.8	443.5	467.2	482.9
-70°	135.0	149.9	163.1	178.2	196.6	215.1	235.2	255.1	274.4	287.7	296.0
-72.5°	85.6	95.1	104.1	114.6	124.4	134.2	144.0	153.0	161.4	169.1	176.2
-75°	47.0	51.9	59.1	65.7	71.8	78.4	84.8	90.5	95.4	98.7	101.3
-77.5°	28.7	31.9	34.9	37.5	39.8	42.7	46.0	49.3	52.7	55.0	56.8
-80°	20.8	21.8	22.9	23.9	25.0	25.9	26.7	27.3	27.9	28.7	29.5
-82.5°	14.1	14.7	15.3	15.8	16.3	17.2	18.1	19.0	19.8	20.6	21.3
-85°	9.6	9.6	9.6	9.6	9.6	10.2	10.8	11.4	12.0	12.1	12.2
-87.5°	7.9	7.5	7.1	6.7	6.2	6.2	6.1	6.1	6.1	6.2	6.2
-90°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1



REPORT NUMBER: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	4.0	4.0
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
77.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.7	4.1	4.1
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.6
72.5°	6.1	6.1	6.2	6.2	6.2	6.1	6.1	6.0	5.8	5.9	6.7
70°	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.0	7.9	8.1	9.0
67.5°	9.6	10.2	10.4	10.4	10.4	10.2	9.6	9.1	8.5	8.9	10.3
65°	12.8	14.1	13.5	12.4	13.5	14.1	12.8	11.6	10.3	10.5	12.0
62.5°	10.7	10.6	10.4	10.4	10.4	10.6	10.7	10.7	10.5	11.3	12.8
60°	8.5	8.4	8.3	8.3	8.3	8.4	8.5	8.7	9.0	9.9	11.2
57.5°	9.4	10.1	10.4	10.4	10.4	10.1	9.4	8.8	8.3	9.1	9.8
55°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.0	9.6	10.2	11.0
52.5°	12.1	12.3	12.4	12.4	12.4	12.3	12.1	11.9	11.7	12.0	12.1
50°	15.0	14.6	14.5	14.5	14.5	14.6	15.0	15.1	14.9	14.8	14.5
47.5°	18.9	18.6	18.5	18.6	18.5	18.6	18.9	19.1	19.6	19.7	18.7
45°	28.3	27.4	26.7	26.9	26.7	27.4	28.3	28.3	32.4	33.0	27.8
42.5°	54.1	56.1	58.3	62.1	58.3	56.1	54.1	51.0	56.7	64.9	70.5
40°	92.4	89.7	86.3	87.0	86.3	89.7	92.4	91.5	93.0	88.3	89.0
37.5°	192.2	184.9	170.9	161.5	170.9	184.9	192.2	186.4	170.9	150.8	148.6
35°	394.9	385.5	362.8	356.2	362.8	385.5	394.9	435.3	409.6	267.5	322.5
32.5°	1858.5	2071.7	2138.6	2141.6	2138.6	2071.7	1858.5	1722.1	1387.0	1141.8	1058.7
30°	4769.5	4717.7	4257.6	3784.0	4257.6	4717.7	4769.5	4720.6	4092.7	3615.3	2947.0
27.5°	11478.8	12881.1	13894.0	13566.1	13894.0	12881.1	11478.8	10170.3	8705.6	8128.1	6392.8
25°	20674.5	21666.9	21992.6	21508.9	21992.6	21666.9	20674.5	18707.6	16914.2	15698.8	13412.7
22.5°	32458.6	33054.5	33002.6	31914.4	33002.6	33054.5	32458.6	30537.1	29074.5	26603.3	23525.3
20°	48879.9	48784.9	49273.1	47058.7	49273.1	48784.9	48879.9	46097.2	44114.3	39718.3	35088.9
17.5°	72105.6	75920.2	78824.6	78546.4	78824.6	75920.2	72105.6	66862.0	62049.8	56146.6	48470.4
15°	96777.5	102541.5	106481.1	106736.9	106481.1	102541.5	96777.5	89710.3	80674.5	72284.1	61244.8
12.5°	118224.2	124388.2	127734.2	127225.8	127734.2	124388.2	118224.2	108810.4	97167.5	84755.8	71994.5
10°	131886.2	136630.8	140152.2	141026.9	140152.2	136630.8	131886.2	123990.2	110873.4	96683.7	80330.1
7.5°	137364.6	141805.1	144874.7	144828.6	144874.7	141805.1	137364.6	130685.7	118901.8	104080.3	86897.7
5°	138378.4	142750.4	144487.9	144817.1	144487.9	142750.4	138378.4	132168.1	121586.3	106750.7	89028.3
2.5°	139375.4	143000.2	144888.5	144171.0	144888.5	143000.2	139375.4	132678.3	123486.1	109860.9	92047.1
0°	139765.6	142671.4	144147.2	143690.4	144147.2	142671.4	139765.6	134527.6	125627.8	112523.7	92651.0
-2.5°	139631.9	141543.4	142792.6	142360.7	142792.6	141543.4	139631.9	133952.7	124915.7	111581.6	93036.3
-5°	136058.7	137704.8	138286.9	138605.7	138286.9	137704.8	136058.7	130940.9	122323.4	108519.2	90915.0
-7.5°	124575.9	126739.5	126043.7	127093.2	126043.7	126739.5	124575.9	120822.8	114035.6	101175.5	83844.6
-10°	113216.3	115321.8	114599.4	115276.3	114599.4	115321.8	113216.3	108935.3	101989.2	90588.1	74569.9
-12.5°	102504.4	105152.8	105113.5	106074.1	105113.5	105152.8	102504.4	96611.9	89380.6	77654.2	65420.9
-15°	89626.2	92999.2	94836.2	96014.5	94836.2	92999.2	89626.2	82636.7	74398.9	64894.0	55139.4
-17.5°	76022.3	80360.0	83450.2	83925.2	83450.2	80360.0	76022.3	68967.7	62105.0	54439.2	47300.3
-20°	65563.7	69474.3	72382.7	73320.9	72382.7	69474.3	65563.7	60367.2	54318.5	48432.9	41796.9



REPORT NUMBER: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	56802.5	60029.6	62132.5	62650.3	62132.5	60029.6	56802.5	53135.9	48068.8	42057.0	36551.4
-25°	48321.3	50125.6	51229.4	51646.3	51229.4	50125.6	48321.3	45576.7	41387.8	36275.1	31307.6
-27.5°	41418.6	42705.6	43256.7	43473.5	43256.7	42705.6	41418.6	39026.6	35896.8	31581.1	27249.7
-30°	35640.5	36628.7	37234.1	37458.9	37234.1	36628.7	35640.5	33606.7	30946.2	27473.7	23852.7
-32.5°	30884.0	31867.6	32505.7	32734.6	32505.7	31867.6	30884.0	28940.8	26397.8	23613.4	20780.6
-35°	26430.4	27243.5	27824.8	28095.2	27824.8	27243.5	26430.4	24938.6	22738.1	20365.0	18235.9
-37.5°	22493.7	23227.4	23711.5	23861.8	23711.5	23227.4	22493.7	21306.8	19456.8	17673.9	15500.5
-40°	18042.4	18704.4	19072.7	19054.6	19072.7	18704.4	18042.4	17089.9	15399.3	13569.2	11491.9
-42.5°	12927.0	13595.7	14068.3	14423.5	14068.3	13595.7	12927.0	11978.9	10374.4	8537.5	6688.6
-45°	7344.1	7893.5	8247.2	8413.0	8247.2	7893.5	7344.1	6584.3	5449.1	4124.4	2861.0
-47.5°	3198.6	3298.3	3348.4	3349.1	3348.4	3298.3	3198.6	3062.6	2833.9	2545.2	2260.4
-50°	2455.6	2518.2	2554.4	2564.1	2554.4	2518.2	2455.6	2383.0	2282.9	2147.0	2014.8
-52.5°	2148.5	2170.2	2180.0	2180.9	2180.0	2170.2	2148.5	2125.4	2092.5	2024.2	1955.1
-55°	2070.4	2106.5	2120.9	2118.8	2120.9	2106.5	2070.4	2027.9	1977.6	1876.0	1766.0
-57.5°	1789.8	1825.8	1846.7	1853.7	1846.7	1825.8	1789.8	1743.9	1688.9	1582.6	1468.8
-60°	1388.6	1411.2	1430.8	1443.6	1430.8	1411.2	1388.6	1356.9	1316.0	1238.9	1148.6
-62.5°	1039.3	1058.3	1076.5	1089.4	1076.5	1058.3	1039.3	1014.1	983.2	930.2	864.7
-65°	739.2	748.6	763.8	776.7	763.8	748.6	739.2	724.4	703.9	667.6	619.1
-67.5°	495.3	504.3	509.8	511.6	509.8	504.3	495.3	482.9	467.2	443.5	410.8
-70°	301.7	305.0	311.5	316.9	311.5	305.0	301.7	296.0	287.7	274.4	255.1
-72.5°	182.5	187.9	188.0	186.4	188.0	187.9	182.5	176.2	169.1	161.4	153.0
-75°	103.2	104.5	105.3	105.6	105.3	104.5	103.2	101.3	98.7	95.4	90.5
-77.5°	58.3	59.5	58.9	58.0	58.9	59.5	58.3	56.8	55.0	52.7	49.3
-80°	30.3	31.0	31.1	31.1	31.1	31.0	30.3	29.5	28.7	27.9	27.3
-82.5°	22.0	22.7	21.7	20.7	21.7	22.7	22.0	21.3	20.6	19.8	19.0
-85°	12.3	12.4	12.4	12.4	12.4	12.4	12.3	12.2	12.1	12.0	11.4
-87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.1
-90°	2.1	2.1	1.1	0.0	1.1	2.1	2.1	2.1	2.1	2.1	2.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.2	5.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.3	4.4	4.4	4.3
80°	4.1	4.1	4.1	4.4	4.6	4.7	4.7	5.0	5.3	5.7	5.7
77.5°	4.1	4.1	4.2	4.7	5.3	5.8	6.2	6.1	6.0	6.1	6.1
75°	4.8	5.0	5.2	5.4	5.7	6.0	6.4	6.7	6.9	6.9	6.6
72.5°	7.2	7.6	7.9	7.9	7.7	7.8	7.9	8.1	8.2	8.3	7.9
70°	9.8	10.6	11.6	12.3	12.5	12.4	12.0	11.3	10.3	9.9	9.2
67.5°	11.6	12.6	14.5	16.7	18.0	18.6	18.3	17.2	16.1	14.9	11.8
65°	13.3	14.6	16.4	18.3	20.5	23.0	26.0	26.3	25.0	22.1	16.0
62.5°	14.5	16.4	17.6	18.9	20.6	24.4	31.0	34.6	35.5	31.2	23.5
60°	12.8	14.7	16.3	17.9	19.6	26.0	35.4	42.5	47.3	40.3	30.4
57.5°	10.3	11.3	13.4	15.7	18.0	26.5	37.4	49.0	56.7	46.0	35.9
55°	12.0	12.5	12.9	13.6	15.3	24.7	36.0	48.2	54.9	48.1	37.0
52.5°	12.3	12.9	13.5	14.1	16.3	22.5	30.9	43.0	46.7	41.1	34.6
50°	14.3	14.3	14.3	14.3	16.7	21.0	27.5	36.6	36.1	33.6	28.1
47.5°	18.3	18.1	16.8	16.4	18.7	19.7	24.5	28.6	29.4	26.8	22.7
45°	33.2	32.6	23.5	24.3	25.8	26.3	24.5	27.0	26.6	24.3	19.1
42.5°	62.3	64.0	64.9	48.0	39.1	38.5	35.9	33.8	31.1	26.0	23.3
40°	87.6	77.3	80.5	81.1	66.0	55.6	55.6	47.3	42.3	35.3	33.4
37.5°	134.1	111.7	119.2	103.4	94.4	89.6	88.5	75.1	57.1	62.6	58.8
35°	264.1	231.5	239.0	203.8	150.1	172.6	147.3	119.6	104.5	106.7	96.1
32.5°	643.5	634.8	517.5	438.1	376.7	333.0	276.1	195.9	205.2	190.0	152.5
30°	2228.0	1653.4	1167.4	1039.7	957.0	640.2	475.4	461.5	369.0	307.1	231.3
27.5°	5760.6	3705.4	2797.3	2840.6	2099.3	1416.9	1144.6	931.7	633.5	478.3	365.4
25°	12190.0	9478.5	7086.0	6335.9	4864.0	3212.4	2560.2	1880.7	1194.3	692.3	561.4
22.5°	21078.6	17726.8	14063.6	11246.9	8986.5	6795.9	5006.7	3244.6	1908.4	1106.9	795.8
20°	30131.9	26633.4	21821.0	17464.2	13953.0	10579.4	8103.7	5401.1	3229.4	1739.1	1044.4
17.5°	41220.7	35518.7	29223.7	23508.6	19270.6	15189.2	11052.8	7655.4	4770.0	2402.5	1299.4
15°	51976.3	43499.4	35649.3	29108.0	24043.0	18154.3	13551.6	9726.1	6529.0	3455.7	1793.6
12.5°	60478.3	50586.0	41719.9	32911.8	26862.7	20473.4	15858.2	11853.6	8127.0	4553.5	2215.9
10°	67428.9	56176.0	45880.8	36858.2	29509.1	22662.4	17343.3	12872.7	8726.5	5327.5	2601.8
7.5°	71688.8	59837.8	49243.5	39584.8	31748.4	24658.7	18241.7	13292.5	9028.9	5875.2	2942.6
5°	73772.3	62213.0	51432.3	40899.1	33193.9	26294.2	19125.3	13422.1	9071.7	6215.6	3228.3
2.5°	75793.8	63555.3	52675.1	41422.2	33987.9	27420.2	20011.4	13511.8	9154.7	6371.6	3322.9
0°	76601.6	64141.6	53216.2	41553.6	34273.5	27821.8	20821.3	13545.3	9208.3	6375.0	3340.8
-2.5°	75740.0	63339.1	52764.5	41182.7	33964.6	27800.0	21115.0	14567.4	9788.0	6684.3	3434.8
-5°	73764.3	61280.1	50364.9	39598.7	32287.4	26288.3	20221.7	14609.0	9922.5	6723.1	3439.8
-7.5°	68863.9	57499.2	46951.3	37169.1	29924.2	24023.5	18542.1	13616.4	9314.0	6131.5	3161.9
-10°	61823.0	52402.7	42385.8	33765.4	27059.9	21485.6	16784.1	12416.9	8531.2	5424.1	2818.1
-12.5°	54639.2	46023.1	37290.3	29595.7	23734.7	18589.6	14774.5	11026.8	7574.4	4620.7	2418.2
-15°	46405.9	38438.1	31906.3	25829.5	20205.4	15735.0	12664.7	9650.8	6734.4	3815.6	1970.3
-17.5°	40200.4	32434.6	27135.5	22501.9	17447.6	13345.3	10976.0	8610.0	5918.9	3215.3	1583.0
-20°	35587.1	29585.9	24244.3	19647.7	15427.6	12113.9	9889.9	7626.6	4963.6	2699.4	1498.7



REPORT NUMBER: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	31799.3	27182.8	22275.4	17382.7	13865.7	11308.9	9023.0	6607.3	3860.4	2052.2	1392.4
-25°	27924.0	24525.2	20187.6	16068.4	12723.2	10294.1	7896.9	5233.6	3017.8	1647.0	1278.7
-27.5°	24183.1	21196.5	18111.5	14600.1	11877.3	9041.3	6330.9	3786.6	2092.4	1498.0	1237.4
-30°	20713.6	18215.8	15786.6	13375.7	10593.6	7648.2	4517.7	2706.0	1709.3	1363.0	1194.6
-32.5°	17987.4	16069.0	14035.6	11676.2	8836.7	5651.4	3305.7	1879.9	1506.4	1307.0	1198.2
-35°	16212.1	14126.3	11967.3	9197.4	6305.9	3823.9	2109.4	1667.8	1407.0	1262.7	1215.0
-37.5°	13485.8	11435.1	8613.9	5959.3	3802.0	2277.1	1816.2	1533.0	1340.2	1277.0	1178.7
-40°	9337.1	7033.1	5042.8	3038.3	2273.1	1886.9	1646.1	1455.4	1374.6	1254.8	1115.4
-42.5°	5119.6	3439.8	2485.5	2162.1	1871.8	1715.8	1571.7	1492.9	1368.1	1197.5	1019.1
-45°	2565.3	2282.2	2013.3	1881.0	1738.2	1658.9	1609.3	1461.1	1286.8	1094.4	908.0
-47.5°	2095.7	1974.7	1857.7	1789.7	1727.6	1650.6	1506.3	1350.0	1149.9	964.8	811.1
-50°	1918.3	1868.4	1821.7	1757.3	1624.1	1489.1	1335.3	1170.9	994.9	840.8	705.0
-52.5°	1876.1	1771.1	1664.9	1554.9	1420.1	1271.5	1122.7	985.7	841.1	714.5	598.6
-55°	1647.6	1531.2	1417.6	1297.8	1176.3	1056.6	932.4	811.3	700.0	589.9	493.7
-57.5°	1353.8	1246.1	1148.9	1053.3	960.7	857.7	753.6	652.9	564.0	475.1	389.5
-60°	1054.2	961.1	894.6	823.6	748.1	663.9	584.0	506.7	432.5	365.5	297.1
-62.5°	796.4	726.2	669.8	613.0	552.9	489.0	427.0	373.0	318.6	263.4	218.6
-65°	568.1	515.0	466.8	426.5	385.0	342.1	296.0	257.9	223.9	188.1	152.1
-67.5°	375.8	338.6	304.7	275.8	253.4	229.4	202.0	172.7	150.8	132.0	112.0
-70°	235.2	215.1	196.6	178.2	163.1	149.9	135.0	119.3	103.5	89.4	75.3
-72.5°	144.0	134.2	124.4	114.6	104.1	95.1	85.6	75.1	64.0	52.5	43.5
-75°	84.8	78.4	71.8	65.7	59.1	51.9	47.0	42.5	38.1	33.6	29.2
-77.5°	46.0	42.7	39.8	37.5	34.9	31.9	28.7	25.9	24.2	22.5	20.8
-80°	26.7	25.9	25.0	23.9	22.9	21.8	20.8	19.4	18.0	16.6	15.4
-82.5°	18.1	17.2	16.3	15.8	15.3	14.7	14.1	13.3	12.5	11.8	11.1
-85°	10.8	10.2	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.3	9.2
-87.5°	6.1	6.2	6.2	6.7	7.1	7.5	7.9	7.9	7.8	7.7	7.7
-90°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1



REPORT NUMBER: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7
82.5°	4.1	4.1	4.1	4.1	4.4	4.6	4.7	4.7	4.9	5.2	5.7
80°	5.1	4.6	4.3	4.2	4.7	5.2	5.5	5.6	5.5	5.6	5.8
77.5°	5.8	5.2	4.5	4.2	4.8	5.3	5.8	6.2	6.1	5.9	6.0
75°	6.2	6.0	5.5	5.1	5.1	5.3	5.8	6.2	6.2	6.2	6.1
72.5°	7.1	6.6	6.3	6.2	5.8	5.8	6.0	6.2	6.2	6.2	6.2
70°	8.1	7.1	6.3	6.2	6.2	6.2	6.1	6.2	6.2	6.2	6.2
67.5°	9.4	8.2	7.1	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2
65°	12.5	9.8	8.2	7.2	6.5	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	16.7	11.5	9.3	8.0	6.9	6.4	6.2	6.2	6.2	6.2	6.2
60°	22.5	15.6	11.0	9.4	7.8	6.5	6.3	6.2	6.2	6.2	6.2
57.5°	26.4	19.4	14.8	11.4	9.4	7.3	6.4	6.4	6.2	6.2	6.2
55°	28.1	21.0	17.6	13.8	11.0	9.0	7.1	6.7	6.3	6.2	6.3
52.5°	26.3	22.1	19.3	15.6	12.4	10.6	8.7	7.2	6.8	6.2	6.4
50°	21.8	22.1	20.4	17.1	13.4	11.4	10.1	8.3	7.3	6.4	6.5
47.5°	19.5	21.5	21.0	18.4	14.7	12.2	10.9	9.3	7.9	6.9	6.6
45°	20.3	20.7	21.4	19.5	16.3	13.6	11.6	10.3	8.7	7.6	6.7
42.5°	23.1	22.7	21.6	20.8	18.3	15.1	12.3	10.9	9.4	8.2	7.1
40°	30.6	26.9	23.3	23.0	20.8	16.7	13.6	11.5	10.0	8.8	7.6
37.5°	40.4	34.7	28.4	27.9	24.2	19.2	14.9	12.1	10.7	9.4	8.2
35°	71.2	45.9	44.3	39.4	30.6	22.1	16.1	12.8	11.5	10.0	8.7
32.5°	110.5	83.5	78.4	58.8	38.9	25.3	18.3	14.5	12.2	10.6	9.2
30°	184.6	177.0	128.0	83.5	52.2	33.1	21.9	16.6	13.1	11.1	9.6
27.5°	324.9	300.3	200.2	129.0	75.9	43.1	27.2	18.9	14.0	11.7	10.1
25°	485.1	438.8	321.3	189.5	103.0	68.6	33.4	21.5	15.5	12.4	10.5
22.5°	667.5	583.9	462.6	259.3	158.6	102.7	47.1	26.4	17.5	13.1	10.9
20°	849.4	737.1	612.0	347.3	228.8	150.1	71.7	31.7	19.6	13.8	11.3
17.5°	1037.5	863.6	692.7	453.4	301.5	201.2	100.6	37.2	21.7	14.6	11.6
15°	1189.8	947.1	763.3	545.3	369.9	255.3	132.9	42.9	23.9	15.3	11.9
12.5°	1314.6	1025.5	828.8	623.8	433.8	311.0	167.4	48.7	26.1	15.9	12.1
10°	1427.7	1098.1	888.8	689.9	493.5	367.4	203.0	54.3	28.5	16.6	12.2
7.5°	1527.9	1164.3	943.1	744.9	541.7	402.6	225.1	59.6	31.0	17.1	12.3
5°	1606.1	1217.0	977.7	761.0	546.5	411.6	241.7	64.4	33.3	17.7	12.3
2.5°	1632.8	1252.7	998.6	766.0	547.5	415.2	254.4	68.8	35.4	18.2	12.4
0°	1642.4	1280.0	1012.8	764.3	544.7	414.2	263.0	72.5	37.3	18.6	12.4
-2.5°	1655.8	1285.7	1028.8	796.4	572.4	429.0	277.1	90.4	48.7	24.9	14.7
-5°	1653.6	1282.9	1038.4	821.4	595.5	440.1	287.1	107.3	59.4	31.0	16.8
-7.5°	1597.1	1250.6	1030.1	836.2	612.9	447.5	293.2	122.7	69.3	36.5	18.8
-10°	1516.9	1197.7	999.3	827.5	625.1	456.9	297.0	136.2	78.1	41.4	20.6
-12.5°	1422.5	1139.4	970.7	817.4	633.2	467.9	303.8	149.3	85.8	45.4	22.0
-15°	1314.4	1076.6	946.8	807.6	637.3	475.1	305.9	160.4	93.2	49.2	23.1
-17.5°	1203.9	1010.4	929.7	799.5	637.5	478.5	303.2	168.5	98.9	52.8	24.8
-20°	1167.5	988.7	919.2	794.6	634.1	478.2	295.5	173.2	102.6	55.3	26.8



REPORT NUMBER: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1136.6	1008.7	918.2	786.2	628.0	474.2	282.8	174.4	104.2	56.5	28.3
-25°	1103.3	1030.2	911.9	764.6	618.4	456.3	274.5	171.6	103.6	56.4	29.0
-27.5°	1109.6	1042.6	895.9	733.5	589.6	432.3	270.5	170.5	101.7	54.9	29.1
-30°	1134.1	1017.8	858.5	694.3	555.1	392.1	261.3	166.4	99.8	54.0	28.4
-32.5°	1138.5	981.2	806.6	651.8	509.4	350.8	243.0	159.1	95.9	53.1	28.2
-35°	1087.7	921.4	744.3	602.6	459.6	324.5	221.8	148.6	89.9	51.1	27.8
-37.5°	1030.7	847.6	684.7	547.6	408.8	293.6	203.3	134.9	81.9	48.1	26.7
-40°	942.6	773.1	624.5	491.3	366.7	258.4	181.8	121.6	75.9	43.9	25.0
-42.5°	848.0	701.3	563.5	435.1	323.4	231.2	158.3	106.7	68.9	40.4	22.7
-45°	763.5	626.1	498.9	382.7	277.8	200.9	139.8	91.2	60.8	37.0	20.5
-47.5°	674.5	549.8	433.2	325.6	240.6	170.4	119.5	81.1	52.0	32.7	18.9
-50°	585.5	471.5	365.7	275.7	199.8	145.7	99.9	70.1	45.8	27.5	16.9
-52.5°	493.3	392.5	302.6	225.3	167.2	119.0	86.5	58.7	39.0	23.7	14.5
-55°	400.2	318.0	241.2	182.9	135.1	100.2	72.1	49.9	31.5	20.5	12.1
-57.5°	315.7	244.3	191.4	144.7	109.6	82.4	59.4	40.3	26.3	16.9	11.8
-60°	235.5	190.2	146.5	114.9	88.1	65.7	47.4	31.5	21.7	13.8	11.4
-62.5°	176.4	140.3	114.9	89.2	68.2	50.6	35.6	25.6	16.7	13.0	11.0
-65°	129.3	106.8	85.1	66.8	50.0	36.6	28.1	19.3	14.7	12.1	10.4
-67.5°	92.1	75.9	60.6	45.2	35.7	27.9	20.2	16.0	13.2	11.1	9.9
-70°	61.3	47.9	39.7	32.8	25.8	19.6	16.7	14.0	11.7	10.5	9.4
-72.5°	38.3	33.0	27.6	22.0	19.1	16.4	13.9	12.0	11.0	9.9	8.8
-75°	24.7	22.2	20.0	17.7	15.3	13.2	12.2	11.3	10.3	9.3	8.6
-77.5°	18.9	17.1	15.1	13.8	12.7	11.8	11.1	10.5	9.6	9.0	8.5
-80°	14.3	13.3	12.3	11.5	10.9	10.4	10.1	9.7	9.1	8.7	8.4
-82.5°	10.5	10.2	10.0	9.8	9.6	9.3	9.1	8.8	8.5	8.3	8.1
-85°	9.0	8.9	8.8	8.6	8.5	8.3	8.1	8.0	7.8	7.6	7.5
-87.5°	7.6	7.5	7.5	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.8
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7



REPORT NUMBER: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
85°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
82.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
80°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
70°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
67.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
60°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
57.5°	6.3	6.2	6.2	6.2	6.2	6.2	6.2
55°	6.4	6.2	6.2	6.2	6.2	6.2	6.2
52.5°	6.6	6.2	6.2	6.2	6.2	6.2	6.2
50°	6.8	6.4	6.2	6.2	6.2	6.2	6.2
47.5°	7.0	6.6	6.2	6.2	6.2	6.2	6.2
45°	7.1	6.9	6.2	6.2	6.2	6.2	6.2
42.5°	7.2	7.1	6.2	6.2	6.2	6.2	6.2
40°	7.3	7.4	6.3	6.2	6.2	6.2	6.2
37.5°	7.4	7.7	6.5	6.3	6.2	6.2	6.2
35°	7.5	7.8	6.7	6.3	6.2	6.2	6.2
32.5°	7.7	7.9	6.9	6.4	6.2	6.2	6.2
30°	8.1	8.0	7.2	6.5	6.2	6.2	6.2
27.5°	8.5	8.1	7.4	6.6	6.2	6.2	6.2
25°	8.9	8.2	7.6	6.7	6.2	6.2	6.2
22.5°	9.2	8.3	7.8	6.9	6.2	6.2	6.2
20°	9.6	8.3	7.9	7.0	6.2	6.2	6.2
17.5°	9.8	8.3	8.1	7.2	6.2	6.2	6.2
15°	10.0	8.3	8.1	7.3	6.2	6.2	6.2
12.5°	10.1	8.3	8.2	7.5	6.2	6.2	6.2
10°	10.2	8.3	8.3	7.7	6.2	6.2	6.2
7.5°	10.3	8.3	8.3	7.8	6.2	6.2	6.2
5°	10.4	8.3	8.3	8.0	6.2	6.2	6.2
2.5°	10.4	8.3	8.3	8.2	6.2	6.2	6.2
0°	10.4	8.3	8.3	8.3	6.2	6.2	6.2
-2.5°	10.9	8.5	8.3	8.3	6.3	6.2	6.2
-5°	11.4	8.8	8.3	8.3	6.4	6.2	6.2
-7.5°	11.9	9.0	8.3	8.3	6.5	6.2	6.2
-10°	12.3	9.2	8.3	8.2	6.6	6.2	6.2
-12.5°	12.6	9.3	8.3	8.2	6.6	6.2	6.2
-15°	12.9	9.4	8.3	8.2	6.7	6.2	6.2
-17.5°	13.1	9.5	8.3	8.1	6.8	6.2	6.2
-20°	13.6	9.6	8.3	8.1	6.8	6.2	6.2



REPORT NUMBER: P701475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.7	9.6	8.3	8.1	6.9	6.2	6.2
-25°	15.4	9.7	8.3	8.1	6.9	6.2	6.2
-27.5°	15.8	9.9	8.3	8.1	7.0	6.2	6.2
-30°	15.8	10.0	8.3	8.1	7.0	6.2	6.2
-32.5°	15.5	9.9	8.4	8.1	7.0	6.2	6.2
-35°	15.2	9.6	8.5	8.1	7.0	6.2	6.2
-37.5°	14.9	9.4	8.6	8.2	7.0	6.2	6.2
-40°	14.3	9.5	8.6	8.3	6.9	6.2	6.2
-42.5°	13.5	9.5	8.7	8.3	6.9	6.2	6.2
-45°	12.4	9.5	8.7	8.3	6.8	6.2	6.2
-47.5°	11.1	9.5	8.7	8.3	6.7	6.2	6.2
-50°	10.8	9.5	8.6	8.2	6.7	6.2	6.2
-52.5°	10.6	9.4	8.6	8.0	6.6	6.2	6.2
-55°	10.5	9.2	8.5	7.8	6.5	6.2	6.2
-57.5°	10.2	9.1	8.4	7.6	6.3	6.2	6.2
-60°	9.9	8.9	8.3	7.4	6.2	6.2	6.2
-62.5°	9.6	8.7	8.1	7.2	6.2	6.2	6.2
-65°	9.2	8.4	7.9	7.0	6.2	6.2	6.2
-67.5°	8.8	8.2	7.7	6.9	6.2	6.2	6.2
-70°	8.4	8.1	7.6	6.7	6.2	6.2	6.2
-72.5°	8.3	8.0	7.4	6.6	6.2	6.2	6.2
-75°	8.3	7.9	7.2	6.6	6.2	6.2	6.2
-77.5°	8.2	7.8	7.1	6.5	6.2	6.2	6.2
-80°	8.3	7.5	6.9	6.5	6.2	6.2	6.2
-82.5°	7.8	7.2	6.7	6.4	6.2	6.2	6.2
-85°	7.3	6.9	6.6	6.3	6.2	6.2	6.2
-87.5°	6.7	6.5	6.4	6.3	6.2	6.2	6.2
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

