

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: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-5S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701619 (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-08-0680R-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

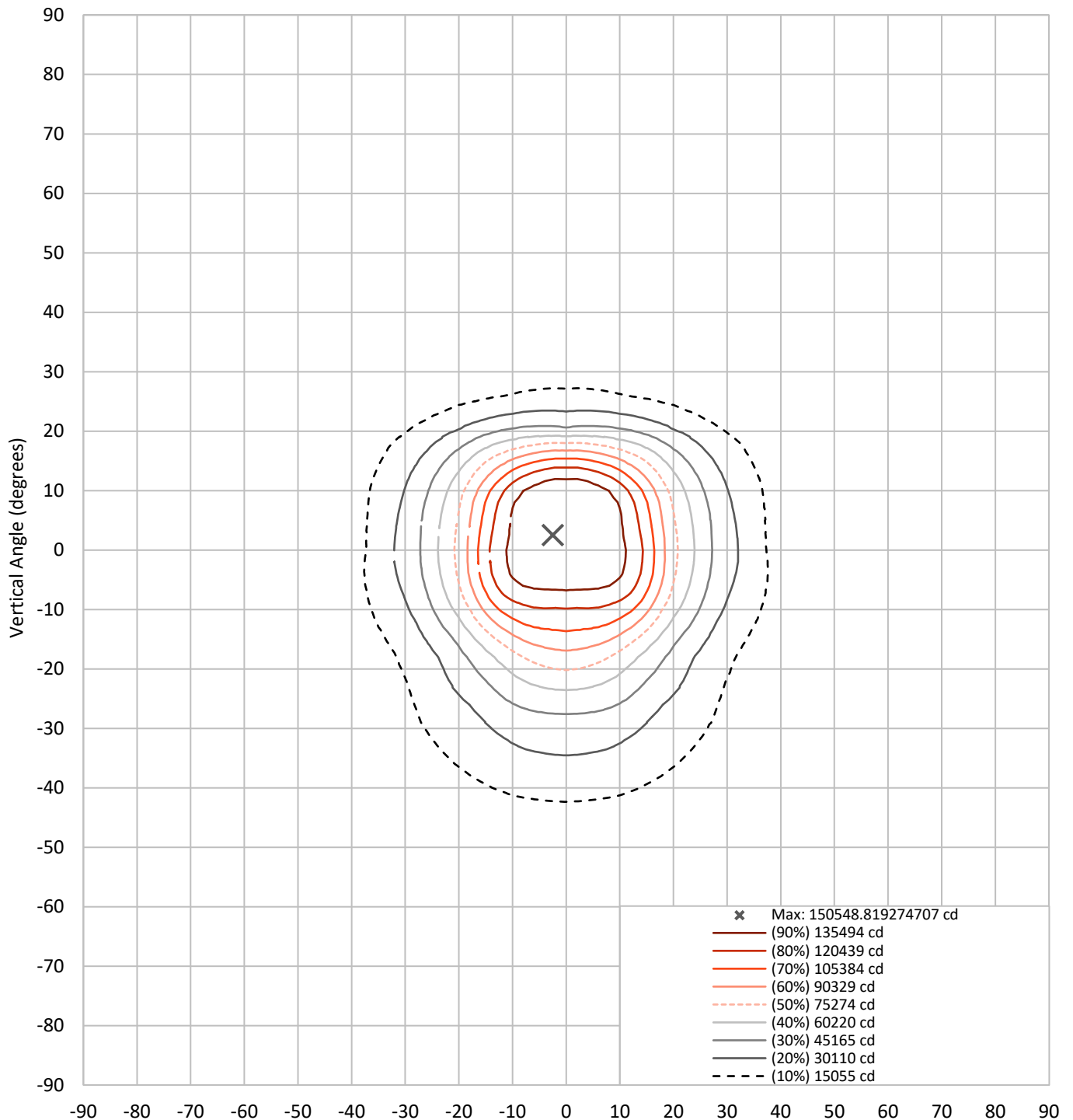
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	80375.7 lumens	Max Intensity:	150548.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	115.2 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:	44287.5 lumens	Field Lumens:	74747.8 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

Input Watts (W): 697.5
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

REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV1-S

Iso-Candela Plot





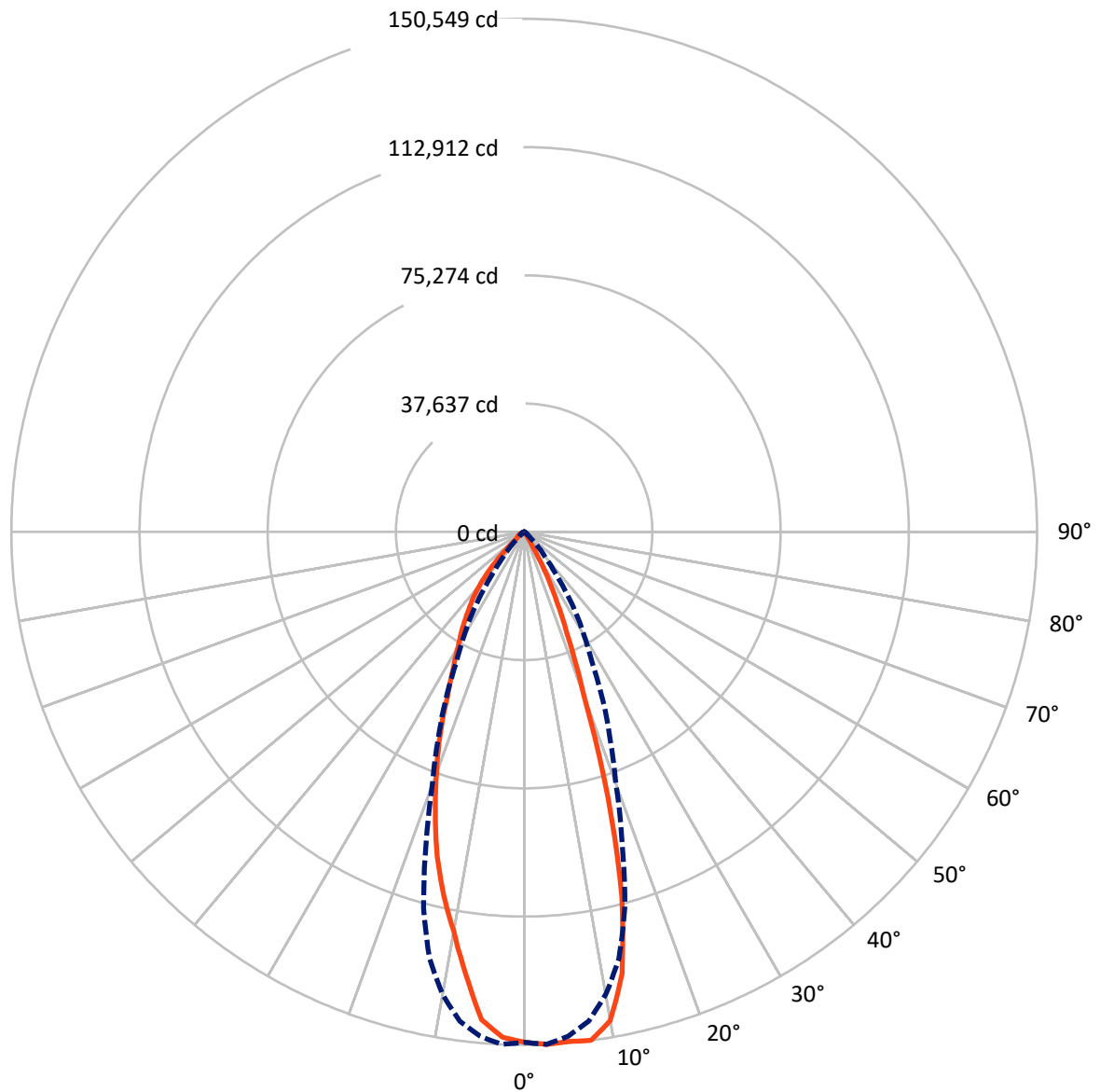
REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV1-S

Lumen Table

90																		
80	0.1	0.3	0.6	0.6	0.4	0.6	0.6	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	0.3	0.8	0.9	0.4	0.3	0.3	0.3	0.3	0.4	0.9	0.8	0.3	0.1			
40	0.2	0.1	0.3	0.6	0.8	1.1	1.3	1.2	1.2	1.3	1.1	0.8	0.6	0.3	0.1	0.2		
30		0.2	0.8	2.4	5.2	11.4	26.8	38.3	38.3	26.8	11.4	5.2	2.4	0.8	0.2			
20	0.2	0.4	4.3	16.1	87.6	269.1	541.4	728.4	728.4	541.4	269.1	87.6	16.1	4.3	0.4	0.2		
10		1.2	10.5	57.9	361.2	1028.2	2131.4	3069.6	3069.6	2131.4	1028.2	361.2	57.9	10.5	1.2			
0	0.3	2.0	14.2	91.4	519.1	1479.1	3195.7	4419.2	4419.2	3195.7	1479.1	519.1	91.4	14.2	2.0	0.3		
-10		2.4	15.2	95.6	522.8	1441.9	3149.3	4174.3	4174.3	3149.3	1441.9	522.8	95.6	15.2	2.4			
-20	0.4	2.9	14.6	64.2	343.7	951.1	2023.2	2877.8	2877.8	2023.2	951.1	343.7	64.2	14.6	2.9	0.4		
-30		2.8	13.8	35.7	202.6	582.5	1132.2	1601.3	1601.3	1132.2	582.5	202.6	35.7	13.8	2.8			
-40	0.4	2.3	11.2	26.6	81.4	321.1	626.6	857.5	857.5	626.6	321.1	81.4	26.6	11.2	2.3	0.4		
-50		1.4	7.3	20.8	40.0	74.7	177.0	275.2	275.2	177.0	74.7	40.0	20.8	7.3	1.4			
-60	0.2	0.8	3.6	11.3	24.6	40.0	54.6	63.2	63.2	54.6	40.0	24.6	11.3	3.6	0.8	0.2		
-70		0.3	1.3	3.9	8.4	14.3	21.1	24.9	24.9	21.1	14.3	8.4	3.9	1.3	0.3			
-80	0.2	0.8	2.8	6.7	9.0	6.7	2.8	0.8	0.2									
-90																		

REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV1-S

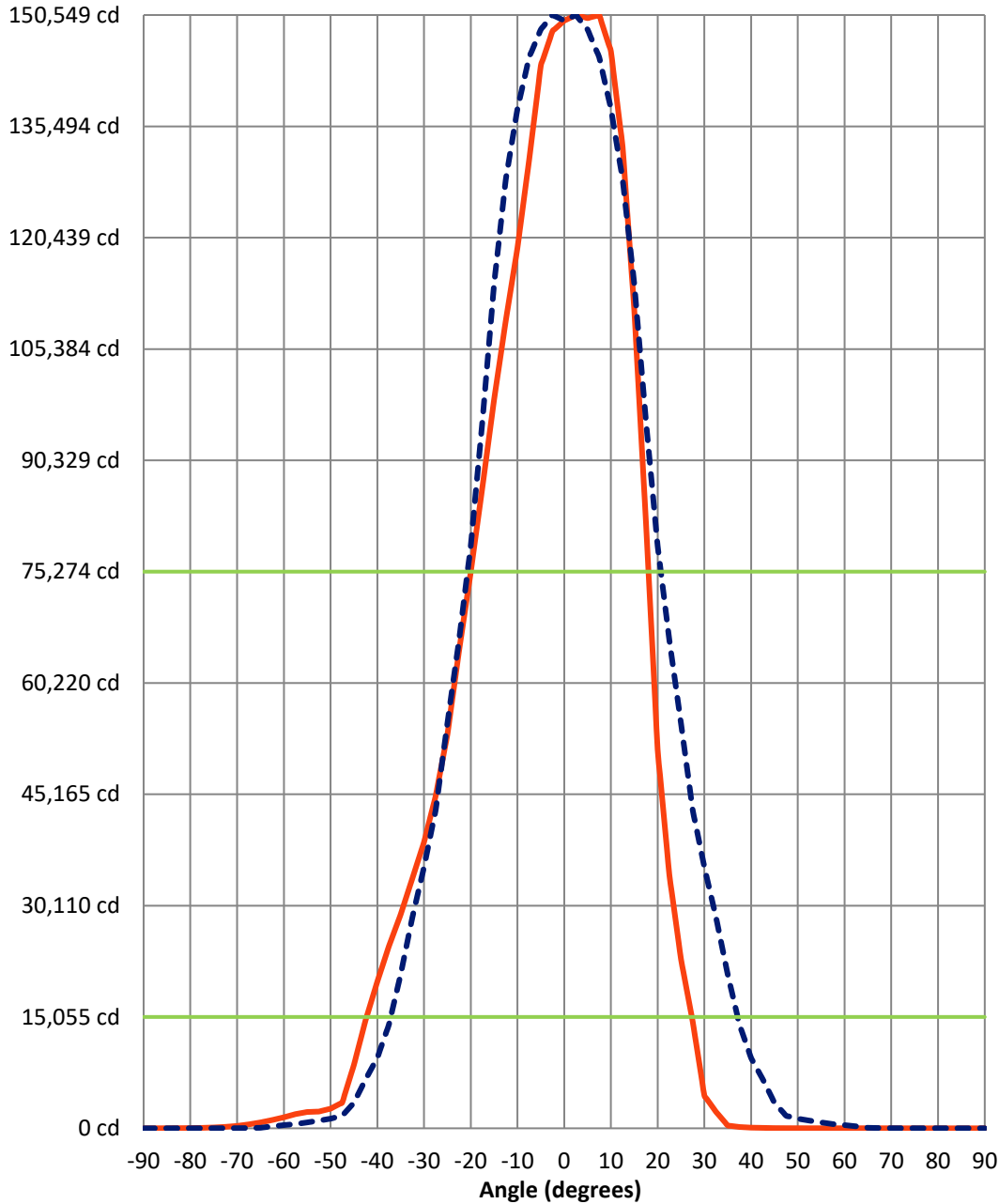
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV1-S

Luminous Intensity Plot



Beam:
 H Angle: 41.4°
 V Angle: 38°
 Lumens: 44287.5
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 74747.8
 Efficiency: 93.0%

Spill:
 Lumens: 5627.9
 Efficiency: 7.0%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through 2.5-Deg



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV1-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.0	5.4	4.9	4.3
85°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.0	5.4	4.9	4.3
82.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.0	5.5	5.1	4.9
80°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.1	5.8	5.7	5.8
77.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.3	6.2	6.3	6.5
75°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.4	6.5	6.5	6.5
72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
70°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
67.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
65°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
62.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
60°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
57.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.5	6.5	6.5	6.7
55°	6.5	6.5	6.5	6.5	6.5	6.5	6.7	6.6	6.5	6.6	7.0
52.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.9	6.7	6.5	7.1	7.5
50°	6.5	6.5	6.5	6.5	6.5	6.7	7.1	6.8	6.7	7.6	8.6
47.5°	6.5	6.5	6.5	6.5	6.5	6.9	7.3	6.9	7.2	8.2	9.7
45°	6.5	6.5	6.5	6.5	6.5	7.2	7.4	7.0	7.9	9.0	10.7
42.5°	6.5	6.5	6.5	6.5	6.5	7.4	7.5	7.4	8.5	9.8	11.4
40°	6.5	6.5	6.5	6.5	6.6	7.7	7.6	7.9	9.2	10.4	12.0
37.5°	6.5	6.5	6.5	6.6	6.8	8.0	7.7	8.5	9.8	11.1	12.6
35°	6.5	6.5	6.5	6.6	7.0	8.1	7.8	9.0	10.4	11.9	13.4
32.5°	6.5	6.5	6.5	6.7	7.2	8.2	8.0	9.5	11.0	12.7	15.1
30°	6.5	6.5	6.5	6.8	7.5	8.3	8.4	10.0	11.6	13.6	17.2
27.5°	6.5	6.5	6.5	6.9	7.7	8.4	8.8	10.5	12.2	14.5	19.6
25°	6.5	6.5	6.5	7.0	7.9	8.5	9.2	10.9	12.9	16.1	22.3
22.5°	6.5	6.5	6.5	7.2	8.1	8.6	9.6	11.3	13.6	18.1	27.4
20°	6.5	6.5	6.5	7.3	8.2	8.6	9.9	11.7	14.4	20.3	32.9
17.5°	6.5	6.5	6.5	7.5	8.4	8.6	10.2	12.1	15.1	22.5	38.7
15°	6.5	6.5	6.5	7.6	8.4	8.6	10.3	12.4	15.8	24.8	44.6
12.5°	6.5	6.5	6.5	7.8	8.5	8.6	10.5	12.5	16.5	27.1	50.6
10°	6.5	6.5	6.5	8.0	8.6	8.6	10.6	12.7	17.2	29.6	56.4
7.5°	6.5	6.5	6.5	8.1	8.6	8.6	10.7	12.8	17.8	32.1	61.9
5°	6.5	6.5	6.5	8.3	8.6	8.6	10.7	12.8	18.4	34.5	67.0
2.5°	6.5	6.5	6.5	8.5	8.6	8.6	10.8	12.9	19.0	36.8	71.4
0°	6.5	6.5	6.5	8.6	8.6	8.6	10.8	12.9	19.4	38.7	75.3
-2.5°	6.5	6.5	6.6	8.6	8.6	8.8	11.4	15.3	26.0	50.5	93.9
-5°	6.5	6.5	6.7	8.6	8.6	9.1	11.9	17.5	32.2	61.7	111.4
-7.5°	6.5	6.5	6.8	8.6	8.6	9.3	12.4	19.6	38.0	72.0	127.4
-10°	6.5	6.5	6.9	8.5	8.6	9.5	12.8	21.4	43.1	81.2	141.5
-12.5°	6.5	6.5	6.9	8.5	8.6	9.7	13.1	22.9	47.3	89.1	155.1
-15°	6.5	6.5	7.0	8.5	8.6	9.8	13.4	24.0	51.2	96.9	166.6
-17.5°	6.5	6.5	7.1	8.4	8.6	9.9	13.6	25.8	54.9	102.7	175.0
-20°	6.5	6.5	7.1	8.4	8.6	9.9	14.2	27.9	57.5	106.6	180.0



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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°	6.5	6.5	7.2	8.4	8.6	9.9	15.3	29.4	58.8	108.3	181.2
-25°	6.5	6.5	7.2	8.4	8.6	10.1	16.0	30.2	58.7	107.7	178.3
-27.5°	6.5	6.5	7.3	8.4	8.6	10.3	16.4	30.3	57.1	105.7	177.1
-30°	6.5	6.5	7.3	8.4	8.6	10.3	16.4	29.6	56.1	103.7	172.9
-32.5°	6.5	6.5	7.3	8.4	8.7	10.2	16.0	29.3	55.2	99.7	165.3
-35°	6.5	6.5	7.3	8.4	8.8	10.0	15.8	28.9	53.2	93.5	154.4
-37.5°	6.5	6.5	7.3	8.5	8.9	9.7	15.4	27.8	50.0	85.2	140.2
-40°	6.5	6.5	7.2	8.6	8.9	9.8	14.8	26.0	45.6	79.0	126.4
-42.5°	6.5	6.5	7.2	8.6	9.0	9.9	14.0	23.6	42.0	71.6	110.9
-45°	6.5	6.5	7.1	8.6	9.0	9.9	12.9	21.2	38.5	63.2	94.8
-47.5°	6.5	6.5	7.0	8.6	9.0	9.9	11.5	19.6	34.0	54.0	84.4
-50°	6.5	6.5	7.0	8.5	8.9	9.8	11.2	17.5	28.5	47.6	72.9
-52.5°	6.5	6.5	6.9	8.3	8.9	9.7	11.1	15.1	24.6	40.5	61.0
-55°	6.5	6.5	6.8	8.1	8.8	9.6	10.9	12.6	21.3	32.6	51.8
-57.5°	6.5	6.5	6.6	7.9	8.7	9.4	10.6	12.3	17.6	27.3	41.8
-60°	6.5	6.5	6.5	7.7	8.6	9.2	10.3	11.9	14.3	22.5	32.7
-62.5°	6.5	6.5	6.5	7.5	8.4	9.0	10.0	11.4	13.5	17.4	26.6
-65°	6.5	6.5	6.5	7.3	8.2	8.7	9.6	10.8	12.6	15.3	20.1
-67.5°	6.5	6.5	6.5	7.2	8.0	8.5	9.1	10.3	11.6	13.8	16.7
-70°	6.5	6.5	6.5	7.0	7.9	8.4	8.7	9.7	10.9	12.2	14.5
-72.5°	6.5	6.5	6.5	6.9	7.7	8.3	8.6	9.1	10.3	11.4	12.5
-75°	6.5	6.5	6.5	6.9	7.5	8.2	8.6	8.9	9.6	10.7	11.7
-77.5°	6.5	6.5	6.5	6.8	7.4	8.1	8.5	8.8	9.3	10.0	10.9
-80°	6.5	6.5	6.5	6.8	7.2	7.8	8.6	8.7	9.0	9.4	10.1
-82.5°	6.5	6.5	6.5	6.7	7.0	7.5	8.1	8.4	8.6	8.8	9.2
-85°	6.5	6.5	6.5	6.6	6.9	7.2	7.6	7.8	7.9	8.1	8.3
-87.5°	6.5	6.5	6.5	6.6	6.7	6.8	7.0	7.1	7.2	7.3	7.4
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.0	5.4	4.9	4.3



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	4.9	4.9	4.7	4.3	4.3	4.3	4.3	4.6	4.7	4.6	4.5
80°	5.8	5.5	4.9	4.4	4.5	4.9	5.4	6.0	5.9	5.6	5.2
77.5°	6.1	5.5	5.0	4.4	4.8	5.5	6.1	6.4	6.4	6.3	6.4
75°	6.1	5.6	5.3	5.3	5.8	6.3	6.5	6.9	7.2	7.2	7.0
72.5°	6.3	6.0	6.1	6.4	6.6	6.9	7.4	8.2	8.6	8.5	8.4
70°	6.4	6.5	6.5	6.5	6.6	7.4	8.4	9.5	10.3	10.7	11.7
67.5°	6.5	6.5	6.5	6.6	7.4	8.6	9.7	12.3	15.5	16.8	17.9
65°	6.5	6.5	6.8	7.5	8.5	10.2	13.0	16.7	23.0	26.0	27.4
62.5°	6.5	6.7	7.2	8.3	9.7	11.9	17.4	24.4	32.4	36.8	36.0
60°	6.6	6.8	8.1	9.8	11.5	16.3	23.4	31.6	41.8	49.2	44.1
57.5°	6.7	7.7	9.8	11.8	15.4	20.2	27.4	37.3	47.7	58.9	50.9
55°	7.5	9.4	11.5	14.4	18.3	21.9	29.2	38.4	50.0	57.1	50.1
52.5°	9.0	11.0	12.9	16.3	20.0	22.9	27.3	36.0	42.8	48.6	44.7
50°	10.5	11.8	13.9	17.8	21.2	23.0	22.7	29.3	35.0	37.5	38.0
47.5°	11.4	12.7	15.2	19.1	21.8	22.3	20.3	23.6	27.9	30.5	29.7
45°	12.1	14.1	16.9	20.2	22.3	21.5	21.2	20.0	25.3	27.6	28.0
42.5°	12.8	15.7	19.0	21.6	22.5	23.6	24.1	24.2	27.0	32.3	35.1
40°	14.1	17.3	21.6	23.8	24.3	28.0	31.8	34.7	36.6	43.9	49.1
37.5°	15.5	20.0	25.2	29.0	29.6	36.1	42.1	61.1	65.0	59.3	78.0
35°	16.7	23.0	31.8	40.9	46.1	47.8	74.1	99.8	110.9	108.6	124.3
32.5°	18.9	26.3	40.4	61.1	81.5	86.8	114.8	158.4	197.4	213.2	203.5
30°	22.7	34.4	54.3	86.8	133.0	183.9	191.8	240.3	319.1	383.5	479.6
27.5°	28.3	44.8	78.9	134.0	208.1	312.1	337.6	379.7	497.0	658.3	968.1
25°	34.7	71.3	107.0	196.9	333.9	455.9	504.0	583.4	719.4	1241.0	1954.2
22.5°	49.0	106.7	164.7	269.4	480.6	606.7	693.6	826.9	1150.1	1983.0	3371.3
20°	74.5	155.9	237.8	360.8	635.9	765.9	882.6	1085.2	1807.0	3355.6	5612.1
17.5°	104.6	209.1	313.3	471.2	719.8	897.4	1078.0	1350.2	2496.4	4956.4	7954.5
15°	138.1	265.2	384.3	566.6	793.1	984.1	1236.2	1863.7	3590.7	6784.1	10106.1
12.5°	174.0	323.2	450.8	648.1	861.2	1065.5	1365.9	2302.5	4731.4	8444.5	12316.6
10°	211.0	381.8	512.8	716.8	923.6	1141.0	1483.4	2703.4	5535.6	9067.4	13375.6
7.5°	233.9	418.4	562.9	774.0	979.9	1209.8	1587.6	3057.5	6104.8	9381.6	13811.8
5°	251.2	427.7	567.9	790.7	1015.9	1264.6	1668.9	3354.5	6458.5	9426.1	13946.5
2.5°	264.4	431.4	568.9	795.9	1037.6	1301.7	1696.6	3452.8	6620.6	9512.4	14039.7
0°	273.3	430.4	566.0	794.1	1052.4	1330.0	1706.6	3471.3	6624.1	9568.1	14074.5
-2.5°	287.9	445.8	594.8	827.5	1069.0	1336.0	1720.5	3569.0	6945.4	10170.4	15136.5
-5°	298.3	457.4	618.7	853.5	1078.9	1333.0	1718.2	3574.3	6985.8	10310.1	15179.6
-7.5°	304.7	465.0	636.8	868.9	1070.3	1299.5	1659.5	3285.4	6371.1	9677.9	14148.3
-10°	308.6	474.8	649.5	859.9	1038.4	1244.5	1576.1	2928.2	5636.0	8864.5	12901.9
-12.5°	315.7	486.2	658.0	849.4	1008.6	1183.9	1478.1	2512.7	4801.2	7870.3	11457.6
-15°	317.9	493.6	662.2	839.2	983.8	1118.7	1365.8	2047.2	3964.6	6997.5	10027.8
-17.5°	315.0	497.2	662.5	830.7	966.1	1049.9	1250.9	1644.9	3340.9	6150.1	8946.3
-20°	307.1	496.9	658.9	825.6	955.1	1027.3	1213.1	1557.2	2804.9	5157.5	7924.5



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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°
-22.5°	293.9	492.7	652.5	816.9	954.0	1048.1	1181.0	1446.8	2132.4	4011.2	6865.4
-25°	285.2	474.1	642.6	794.5	947.6	1070.5	1146.4	1328.6	1711.3	3135.7	5438.1
-27.5°	281.0	449.2	612.7	762.2	930.9	1083.3	1152.9	1285.7	1556.5	2174.1	3934.5
-30°	271.5	407.4	576.8	721.5	892.0	1057.6	1178.4	1241.2	1416.3	1776.1	2811.7
-32.5°	252.5	364.5	529.3	677.3	838.1	1019.5	1182.9	1245.0	1358.0	1565.3	1953.3
-35°	230.5	337.1	477.5	626.2	773.4	957.4	1130.1	1262.5	1312.1	1462.0	1733.0
-37.5°	211.3	305.1	424.7	569.0	711.5	880.7	1070.9	1224.8	1326.8	1392.6	1592.9
-40°	188.9	268.5	381.0	510.5	648.9	803.3	979.4	1159.0	1303.8	1428.3	1512.3
-42.5°	164.5	240.2	336.0	452.0	585.6	728.8	881.1	1059.0	1244.3	1421.6	1551.3
-45°	145.3	208.8	288.6	397.6	518.3	650.6	793.3	943.5	1137.2	1337.1	1518.2
-47.5°	124.2	177.0	250.0	338.3	450.2	571.3	700.9	842.9	1002.5	1194.9	1402.7
-50°	103.9	151.4	207.6	286.5	380.0	490.0	608.4	732.6	873.7	1033.7	1216.6
-52.5°	89.9	123.7	173.8	234.1	314.4	407.8	512.5	622.0	742.5	874.0	1024.3
-55°	74.9	104.1	140.4	190.1	250.6	330.4	415.8	513.0	613.0	727.4	843.1
-57.5°	61.7	85.7	113.9	150.4	198.8	253.8	328.0	404.7	493.7	586.1	678.4
-60°	49.2	68.3	91.6	119.4	152.3	197.6	244.7	308.7	379.8	449.5	526.5
-62.5°	37.0	52.6	70.9	92.7	119.4	145.8	183.2	227.1	273.7	331.1	387.5
-65°	29.2	38.0	51.9	69.4	88.4	111.0	134.3	158.0	195.4	232.7	268.0
-67.5°	21.1	29.0	37.1	46.9	62.9	78.9	95.7	116.3	137.2	156.6	179.5
-70°	17.4	20.5	26.8	34.1	41.2	49.7	63.6	78.2	92.9	107.6	124.0
-72.5°	14.5	17.1	19.9	22.9	28.7	34.3	39.8	45.1	54.4	66.5	78.0
-75°	12.6	13.7	15.9	18.4	20.8	23.1	25.7	30.3	34.9	39.5	44.2
-77.5°	11.5	12.3	13.2	14.3	15.7	17.7	19.7	21.5	23.4	25.2	26.9
-80°	10.4	10.8	11.3	12.0	12.8	13.8	14.8	16.0	17.3	18.7	20.2
-82.5°	9.4	9.7	9.9	10.2	10.4	10.6	10.9	11.6	12.2	13.0	13.8
-85°	8.4	8.6	8.8	8.9	9.1	9.2	9.4	9.5	9.6	9.8	9.9
-87.5°	7.5	7.5	7.6	7.7	7.8	7.8	7.9	8.0	8.0	8.1	8.2
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.5	6.5	6.5	6.5	6.5	6.0	5.4	4.9	4.3	4.3	4.3
87.5°	4.3	4.3	4.3	4.3	4.3	3.8	3.3	2.7	2.2	2.2	2.2
85°	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	3.7	3.2
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.3
80°	5.0	4.9	4.8	4.6	4.3	4.3	4.3	4.3	4.3	3.8	3.3
77.5°	6.5	6.1	5.5	5.0	4.4	4.3	4.3	4.3	4.3	3.8	3.3
75°	6.7	6.2	6.0	5.7	5.4	5.3	5.1	4.8	4.4	4.2	4.2
72.5°	8.3	8.1	8.0	8.2	8.2	8.0	7.5	7.0	6.2	6.1	6.3
70°	12.5	12.9	13.0	12.8	12.1	11.1	10.2	9.3	8.4	8.2	8.3
67.5°	19.1	19.4	18.7	17.3	15.0	13.1	12.0	10.7	9.3	8.9	9.4
65°	27.0	23.9	21.3	19.1	17.0	15.2	13.8	12.4	10.9	10.7	12.0
62.5°	32.3	25.4	21.4	19.6	18.3	17.0	15.0	13.3	11.7	10.9	11.1
60°	36.7	27.0	20.4	18.7	17.0	15.3	13.3	11.7	10.3	9.3	9.0
57.5°	38.9	27.6	18.7	16.3	14.0	11.7	10.7	10.2	9.5	8.6	9.1
55°	37.5	25.7	15.9	14.1	13.4	13.0	12.5	11.4	10.6	10.0	10.4
52.5°	32.1	23.4	17.0	14.7	14.1	13.5	12.8	12.6	12.4	12.2	12.3
50°	28.6	21.8	17.4	14.9	14.8	14.9	14.9	15.1	15.4	15.5	15.6
47.5°	25.5	20.5	19.5	17.0	17.4	18.8	19.1	19.4	20.5	20.3	19.8
45°	25.5	27.4	26.8	25.3	24.3	33.9	34.5	28.9	34.3	33.6	29.5
42.5°	37.3	40.0	40.6	49.9	67.4	66.5	64.8	73.3	67.5	59.0	53.0
40°	57.8	57.8	68.6	84.3	83.7	80.4	91.1	92.4	91.7	96.6	95.1
37.5°	92.0	93.1	98.1	107.4	123.9	116.1	139.4	154.4	156.8	177.6	193.7
35°	153.1	179.4	155.9	211.8	248.4	240.5	274.4	335.1	277.9	425.5	452.2
32.5°	286.9	346.0	391.4	455.3	537.8	659.6	668.6	1100.1	1186.4	1441.2	1789.3
30°	494.0	665.3	994.4	1080.3	1213.0	1718.0	2315.0	3062.1	3756.5	4252.6	4905.0
27.5°	1189.3	1472.3	2181.3	2951.6	2906.7	3850.1	5985.6	6642.5	8445.7	9045.6	10567.7
25°	2660.2	3337.9	5054.0	6583.5	7362.8	9848.8	12666.2	13936.7	16312.1	17575.1	19438.4
22.5°	5202.3	7061.4	9337.6	11686.3	14613.0	18419.3	21902.1	24444.4	27642.6	30210.3	31730.1
20°	8420.3	10992.8	14498.1	18146.5	22673.4	27673.9	31309.1	36459.7	41269.9	45837.7	47898.1
17.5°	11484.6	15782.6	20023.5	24427.0	30365.3	36906.3	42831.1	50364.0	58340.1	64473.8	69474.0
15°	14081.0	18863.5	24982.4	30245.1	37042.0	45198.8	54006.9	63637.4	75108.0	83826.2	93215.0
12.5°	16477.7	21273.2	27912.2	34197.6	43349.7	52562.2	62841.0	74807.1	88066.9	100963.5	113061.2
10°	18020.8	23547.8	30662.0	38298.2	47673.2	58370.6	70063.1	83468.4	100460.8	115204.8	128834.1
7.5°	18954.4	25622.0	32988.7	41131.2	51167.3	62175.5	74489.4	90292.4	108146.3	123546.9	135791.1
5°	19872.5	27321.5	34490.6	42497.0	53441.6	64643.5	76654.3	92506.3	110921.0	126336.2	137331.4
2.5°	20793.2	28491.4	35315.7	43040.4	54732.9	66038.2	78754.8	95643.0	114152.8	128310.3	137861.5
0°	21634.7	28908.7	35612.4	43176.9	55295.2	66647.3	79594.2	96270.5	116919.6	130535.7	139783.2
-2.5°	21939.9	28886.1	35291.5	42791.6	54825.7	65813.6	78698.9	96670.8	115940.6	129795.7	139185.7
-5°	21011.7	27315.3	33548.8	41145.7	52332.4	63674.1	76646.0	94466.7	112758.6	127102.2	136056.3
-7.5°	19266.5	24962.0	31093.2	38621.2	48785.5	59745.5	71554.1	87120.0	105128.1	118490.6	125542.9
-10°	17439.8	22325.0	28117.0	35084.5	44041.6	54449.8	64238.1	77483.0	94127.1	105973.6	113190.9
-12.5°	15351.6	19315.9	24661.9	30751.8	38747.1	47821.1	56773.8	67976.6	80687.9	92872.3	100386.2
-15°	13159.5	16349.8	20994.9	26838.6	33152.8	39939.8	48218.8	57293.5	67429.2	77305.4	85865.0
-17.5°	11404.8	13866.7	18129.3	23381.0	28195.6	33701.7	41770.9	49148.2	56566.0	64531.2	71662.0
-20°	10276.2	12587.2	16030.3	20415.3	25191.5	30741.7	36977.3	43429.7	50325.0	56440.5	62725.5



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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°	9375.5	11750.7	14407.4	18061.8	23145.6	28244.7	33041.5	37979.4	43700.0	49946.7	55211.7
-25°	8205.4	10696.3	13220.3	16696.1	20976.3	25483.4	29014.9	32530.7	37692.2	43004.7	47357.3
-27.5°	6578.3	9394.5	12341.3	15170.5	18819.1	22024.5	25127.9	28314.2	32814.9	37299.2	40551.3
-30°	4694.1	7947.0	11007.4	13898.2	16403.3	18927.4	21522.9	24784.6	28546.9	32155.1	34919.6
-32.5°	3434.8	5872.2	9181.9	12132.4	14583.8	16696.8	18690.1	21592.4	24535.9	27429.1	30071.4
-35°	2191.8	3973.3	6552.3	9556.7	12434.8	14678.1	16845.4	18948.3	21160.5	23626.3	25912.8
-37.5°	1887.2	2366.1	3950.5	6192.1	8950.4	11881.7	14012.6	16106.0	18364.3	20216.9	22139.1
-40°	1710.3	1960.5	2361.9	3157.0	5239.8	7307.8	9701.8	11940.8	14099.3	16000.9	17757.6
-42.5°	1633.1	1782.8	1944.9	2246.6	2582.7	3574.2	5319.6	6949.8	8871.0	10779.7	12446.9
-45°	1672.3	1723.7	1806.1	1954.4	2092.0	2371.3	2665.5	2972.7	4285.5	5662.0	6841.5
-47.5°	1565.2	1715.2	1795.1	1859.6	1930.2	2051.8	2177.6	2348.8	2644.7	2944.6	3182.3
-50°	1387.5	1547.3	1687.6	1826.0	1892.9	1941.4	1993.3	2093.5	2230.9	2372.1	2476.2
-52.5°	1166.6	1321.2	1475.5	1615.7	1729.9	1840.3	1949.5	2031.5	2103.3	2174.2	2208.5
-55°	968.9	1097.8	1222.2	1348.5	1473.0	1591.1	1712.0	1835.0	1949.3	2054.9	2107.2
-57.5°	783.1	891.2	998.2	1094.5	1193.7	1294.7	1406.7	1526.2	1644.4	1754.9	1812.0
-60°	606.8	689.8	777.3	855.8	929.6	998.7	1095.4	1193.5	1287.3	1367.4	1409.8
-62.5°	443.7	508.1	574.5	636.9	696.0	754.7	827.5	898.5	966.6	1021.7	1053.8
-65°	307.6	355.5	400.1	443.2	485.0	535.1	590.3	643.3	693.7	731.4	752.7
-67.5°	209.9	238.4	263.3	286.6	316.6	351.9	390.5	426.9	460.8	485.5	501.8
-70°	140.3	155.8	169.5	185.2	204.2	223.5	244.4	265.0	285.1	299.0	307.5
-72.5°	89.0	98.8	108.2	119.1	129.3	139.5	149.6	159.0	167.7	175.7	183.1
-75°	48.8	53.9	61.4	68.2	74.6	81.5	88.2	94.0	99.2	102.7	105.3
-77.5°	29.9	33.2	36.2	38.9	41.3	44.4	47.8	51.3	54.8	57.1	59.0
-80°	21.6	22.7	23.8	24.9	26.0	27.0	27.7	28.4	28.9	29.8	30.6
-82.5°	14.7	15.3	15.9	16.5	17.0	17.9	18.9	19.7	20.6	21.4	22.1
-85°	10.0	10.0	9.9	9.9	10.0	10.6	11.2	11.8	12.5	12.6	12.7
-87.5°	8.2	7.8	7.4	7.0	6.5	6.5	6.4	6.4	6.4	6.4	6.5
-90°	4.3	4.3	4.3	4.3	4.3	3.8	3.3	2.7	2.2	2.2	2.2



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.9
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7
85°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.2	3.7	4.2	4.2
82.5°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.3
80°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.3
77.5°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.8	4.3	4.3
75°	4.2	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.4	4.8
72.5°	6.4	6.4	6.5	6.5	6.5	6.4	6.4	6.3	6.1	6.2	7.0
70°	8.5	8.5	8.6	8.6	8.6	8.5	8.5	8.3	8.2	8.4	9.3
67.5°	10.0	10.6	10.8	10.8	10.8	10.6	10.0	9.4	8.9	9.3	10.7
65°	13.4	14.7	14.1	12.9	14.1	14.7	13.4	12.0	10.7	10.9	12.4
62.5°	11.1	11.0	10.8	10.8	10.8	11.0	11.1	11.1	10.9	11.7	13.3
60°	8.8	8.7	8.6	8.6	8.6	8.7	8.8	9.0	9.3	10.3	11.7
57.5°	9.8	10.5	10.8	10.8	10.8	10.5	9.8	9.1	8.6	9.5	10.2
55°	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.4	10.0	10.6	11.4
52.5°	12.6	12.8	12.9	12.9	12.9	12.8	12.6	12.3	12.2	12.4	12.6
50°	15.6	15.2	15.1	15.1	15.1	15.2	15.6	15.6	15.5	15.4	15.1
47.5°	19.7	19.4	19.3	19.4	19.3	19.4	19.7	19.8	20.3	20.5	19.4
45°	29.4	28.5	27.8	28.0	27.8	28.5	29.4	29.5	33.6	34.3	28.9
42.5°	56.3	58.3	60.6	64.6	60.6	58.3	56.3	53.0	59.0	67.5	73.3
40°	96.0	93.2	89.6	90.4	89.6	93.2	96.0	95.1	96.6	91.7	92.4
37.5°	199.6	192.1	177.7	167.9	177.7	192.1	199.6	193.7	177.6	156.8	154.4
35°	410.3	400.5	377.0	370.2	377.0	400.5	410.3	452.2	425.5	277.9	335.1
32.5°	1931.1	2152.6	2222.2	2225.2	2222.2	2152.6	1931.1	1789.3	1441.2	1186.4	1100.1
30°	4955.8	4902.0	4423.9	3931.8	4423.9	4902.0	4955.8	4905.0	4252.6	3756.5	3062.1
27.5°	11927.3	13384.3	14436.8	14096.0	14436.8	13384.3	11927.3	10567.7	9045.6	8445.7	6642.5
25°	21482.2	22513.4	22851.7	22349.2	22851.7	22513.4	21482.2	19438.4	17575.1	16312.1	13936.7
22.5°	33726.6	34345.8	34291.9	33161.2	34291.9	34345.8	33726.6	31730.1	30210.3	27642.6	24444.4
20°	50789.5	50690.7	51198.0	48897.1	51198.0	50690.7	50789.5	47898.1	45837.7	41269.9	36459.7
17.5°	74922.5	78886.2	81904.0	81615.0	81904.0	78886.2	74922.5	69474.0	64473.8	58340.1	50364.0
15°	100558.3	106547.4	110641.0	110906.7	110641.0	106547.4	100558.3	93215.0	83826.2	75108.0	63637.4
12.5°	122842.8	129247.7	132724.4	132196.1	132724.4	129247.7	122842.8	113061.2	100963.5	88066.9	74807.1
10°	137038.6	141968.5	145627.4	146536.4	145627.4	141968.5	137038.6	128834.1	115204.8	100460.8	83468.4
7.5°	142730.9	147344.9	150534.4	150486.5	150534.4	147344.9	142730.9	135791.1	123546.9	108146.3	90292.4
5°	143784.4	148327.1	150132.5	150474.6	150132.5	148327.1	143784.4	137331.4	126336.2	110921.0	92506.3
2.5°	144820.3	148586.7	150548.8	149803.2	150548.8	148586.7	144820.3	137861.5	128310.3	114152.8	95643.0
0°	145225.7	148245.1	149778.5	149303.9	149778.5	148245.1	145225.7	139783.2	130535.7	116919.6	96270.5
-2.5°	145086.9	147073.0	148371.0	147922.2	148371.0	147073.0	145086.9	139185.7	129795.7	115940.6	96670.8
-5°	141374.0	143084.5	143689.3	144020.6	143689.3	143084.5	141374.0	136056.3	127102.2	112758.6	94466.7
-7.5°	129442.6	131690.8	130967.9	132058.3	130967.9	131690.8	129442.6	125542.9	118490.6	105128.1	87120.0
-10°	117639.2	119826.9	119076.4	119779.7	119076.4	119826.9	117639.2	113190.9	105973.6	94127.1	77483.0
-12.5°	106508.9	109260.8	109219.9	110218.1	109219.9	109260.8	106508.9	100386.2	92872.3	80687.9	67976.6
-15°	93127.5	96632.3	98541.1	99765.5	98541.1	96632.3	93127.5	85865.0	77305.4	67429.2	57293.5
-17.5°	78992.2	83499.3	86710.3	87203.9	86710.3	83499.3	78992.2	71662.0	64531.2	56566.0	49148.2
-20°	68125.1	72188.4	75210.5	76185.3	75210.5	72188.4	68125.1	62725.5	56440.5	50325.0	43429.7



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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°
-22.5°	59021.6	62374.7	64559.7	65097.9	64559.7	62374.7	59021.6	55211.7	49946.7	43700.0	37979.4
-25°	50209.0	52083.9	53230.8	53663.9	53230.8	52083.9	50209.0	47357.3	43004.7	37692.2	32530.7
-27.5°	43036.7	44373.9	44946.5	45171.9	44946.5	44373.9	43036.7	40551.3	37299.2	32814.9	28314.2
-30°	37032.8	38059.6	38688.7	38922.3	38688.7	38059.6	37032.8	34919.6	32155.1	28546.9	24784.6
-32.5°	32090.5	33112.6	33775.6	34013.4	33775.6	33112.6	32090.5	30071.4	27429.1	24535.9	21592.4
-35°	27462.9	28307.8	28911.9	29192.8	28911.9	28307.8	27462.9	25912.8	23626.3	21160.5	18948.3
-37.5°	23372.5	24134.8	24637.8	24794.0	24637.8	24134.8	23372.5	22139.1	20216.9	18364.3	16106.0
-40°	18747.2	19435.1	19817.7	19799.0	19817.7	19435.1	18747.2	17757.6	16000.9	14099.3	11940.8
-42.5°	13432.0	14126.8	14617.8	14987.0	14617.8	14126.8	13432.0	12446.9	10779.7	8871.0	6949.8
-45°	7631.0	8201.8	8569.3	8741.7	8569.3	8201.8	7631.0	6841.5	5662.0	4285.5	2972.7
-47.5°	3323.6	3427.2	3479.3	3479.9	3479.3	3427.2	3323.6	3182.3	2944.6	2644.7	2348.8
-50°	2551.5	2616.7	2654.3	2664.3	2654.3	2616.7	2551.5	2476.2	2372.1	2230.9	2093.5
-52.5°	2232.5	2255.0	2265.1	2266.1	2265.1	2255.0	2232.5	2208.5	2174.2	2103.3	2031.5
-55°	2151.3	2188.8	2203.8	2201.6	2203.8	2188.8	2151.3	2107.2	2054.9	1949.3	1835.0
-57.5°	1859.7	1897.1	1918.8	1926.1	1918.8	1897.1	1859.7	1812.0	1754.9	1644.4	1526.2
-60°	1442.8	1466.3	1486.6	1500.0	1486.6	1466.3	1442.8	1409.8	1367.4	1287.3	1193.5
-62.5°	1079.9	1099.6	1118.6	1132.0	1118.6	1099.6	1079.9	1053.8	1021.7	966.6	898.5
-65°	768.1	777.9	793.7	807.0	793.7	777.9	768.1	752.7	731.4	693.7	643.3
-67.5°	514.6	524.0	529.7	531.6	529.7	524.0	514.6	501.8	485.5	460.8	426.9
-70°	313.5	317.0	323.7	329.3	323.7	317.0	313.5	307.5	299.0	285.1	265.0
-72.5°	189.7	195.3	195.4	193.7	195.4	195.3	189.7	183.1	175.7	167.7	159.0
-75°	107.3	108.7	109.5	109.8	109.5	108.7	107.3	105.3	102.7	99.2	94.0
-77.5°	60.5	61.8	61.2	60.3	61.2	61.8	60.5	59.0	57.1	54.8	51.3
-80°	31.4	32.2	32.3	32.3	32.3	32.2	31.4	30.6	29.8	28.9	28.4
-82.5°	22.9	23.6	22.6	21.5	22.6	23.6	22.9	22.1	21.4	20.6	19.7
-85°	12.8	12.9	12.9	12.9	12.9	12.9	12.8	12.7	12.6	12.5	11.8
-87.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.4
-90°	2.2	2.2	1.1	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.7



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.4	6.0	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87.5°	3.3	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.5	4.6	4.7	4.6
80°	4.3	4.3	4.3	4.6	4.8	4.9	5.0	5.2	5.6	5.9	6.0
77.5°	4.3	4.3	4.4	5.0	5.5	6.1	6.5	6.4	6.3	6.4	6.4
75°	5.1	5.3	5.4	5.7	6.0	6.2	6.7	7.0	7.2	7.2	6.9
72.5°	7.5	8.0	8.2	8.2	8.0	8.1	8.3	8.4	8.5	8.6	8.2
70°	10.2	11.1	12.1	12.8	13.0	12.9	12.5	11.7	10.7	10.3	9.5
67.5°	12.0	13.1	15.0	17.3	18.7	19.4	19.1	17.9	16.8	15.5	12.3
65°	13.8	15.2	17.0	19.1	21.3	23.9	27.0	27.4	26.0	23.0	16.7
62.5°	15.0	17.0	18.3	19.6	21.4	25.4	32.3	36.0	36.8	32.4	24.4
60°	13.3	15.3	17.0	18.7	20.4	27.0	36.7	44.1	49.2	41.8	31.6
57.5°	10.7	11.7	14.0	16.3	18.7	27.6	38.9	50.9	58.9	47.7	37.3
55°	12.5	13.0	13.4	14.1	15.9	25.7	37.5	50.1	57.1	50.0	38.4
52.5°	12.8	13.5	14.1	14.7	17.0	23.4	32.1	44.7	48.6	42.8	36.0
50°	14.9	14.9	14.8	14.9	17.4	21.8	28.6	38.0	37.5	35.0	29.3
47.5°	19.1	18.8	17.4	17.0	19.5	20.5	25.5	29.7	30.5	27.9	23.6
45°	34.5	33.9	24.3	25.3	26.8	27.4	25.5	28.0	27.6	25.3	20.0
42.5°	64.8	66.5	67.4	49.9	40.6	40.0	37.3	35.1	32.3	27.0	24.2
40°	91.1	80.4	83.7	84.3	68.6	57.8	57.8	49.1	43.9	36.6	34.7
37.5°	139.4	116.1	123.9	107.4	98.1	93.1	92.0	78.0	59.3	65.0	61.1
35°	274.4	240.5	248.4	211.8	155.9	179.4	153.1	124.3	108.6	110.9	99.8
32.5°	668.6	659.6	537.8	455.3	391.4	346.0	286.9	203.5	213.2	197.4	158.4
30°	2315.0	1718.0	1213.0	1080.3	994.4	665.3	494.0	479.6	383.5	319.1	240.3
27.5°	5985.6	3850.1	2906.7	2951.6	2181.3	1472.3	1189.3	968.1	658.3	497.0	379.7
25°	12666.2	9848.8	7362.8	6583.5	5054.0	3337.9	2660.2	1954.2	1241.0	719.4	583.4
22.5°	21902.1	18419.3	14613.0	11686.3	9337.6	7061.4	5202.3	3371.3	1983.0	1150.1	826.9
20°	31309.1	27673.9	22673.4	18146.5	14498.1	10992.8	8420.3	5612.1	3355.6	1807.0	1085.2
17.5°	42831.1	36906.3	30365.3	24427.0	20023.5	15782.6	11484.6	7954.5	4956.4	2496.4	1350.2
15°	54006.9	45198.8	37042.0	30245.1	24982.4	18863.5	14081.0	10106.1	6784.1	3590.7	1863.7
12.5°	62841.0	52562.2	43349.7	34197.6	27912.2	21273.2	16477.7	12316.6	8444.5	4731.4	2302.5
10°	70063.1	58370.6	47673.2	38298.2	30662.0	23547.8	18020.8	13375.6	9067.4	5535.6	2703.4
7.5°	74489.4	62175.5	51167.3	41131.2	32988.7	25622.0	18954.4	13811.8	9381.6	6104.8	3057.5
5°	76654.3	64643.5	53441.6	42497.0	34490.6	27321.5	19872.5	13946.5	9426.1	6458.5	3354.5
2.5°	78754.8	66038.2	54732.9	43040.4	35315.7	28491.4	20793.2	14039.7	9512.4	6620.6	3452.8
0°	79594.2	66647.3	55295.2	43176.9	35612.4	28908.7	21634.7	14074.5	9568.1	6624.1	3471.3
-2.5°	78698.9	65813.6	54825.7	42791.6	35291.5	28886.1	21939.9	15136.5	10170.4	6945.4	3569.0
-5°	76646.0	63674.1	52332.4	41145.7	33548.8	27315.3	21011.7	15179.6	10310.1	6985.8	3574.3
-7.5°	71554.1	59745.5	48785.5	38621.2	31093.2	24962.0	19266.5	14148.3	9677.9	6371.1	3285.4
-10°	64238.1	54449.8	44041.6	35084.5	28117.0	22325.0	17439.8	12901.9	8864.5	5636.0	2928.2
-12.5°	56773.8	47821.1	38747.1	30751.8	24661.9	19315.9	15351.6	11457.6	7870.3	4801.2	2512.7
-15°	48218.8	39939.8	33152.8	26838.6	20994.9	16349.8	13159.5	10027.8	6997.5	3964.6	2047.2
-17.5°	41770.9	33701.7	28195.6	23381.0	18129.3	13866.7	11404.8	8946.3	6150.1	3340.9	1644.9
-20°	36977.3	30741.7	25191.5	20415.3	16030.3	12587.2	10276.2	7924.5	5157.5	2804.9	1557.2



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	33041.5	28244.7	23145.6	18061.8	14407.4	11750.7	9375.5	6865.4	4011.2	2132.4	1446.8
-25°	29014.9	25483.4	20976.3	16696.1	13220.3	10696.3	8205.4	5438.1	3135.7	1711.3	1328.6
-27.5°	25127.9	22024.5	18819.1	15170.5	12341.3	9394.5	6578.3	3934.5	2174.1	1556.5	1285.7
-30°	21522.9	18927.4	16403.3	13898.2	11007.4	7947.0	4694.1	2811.7	1776.1	1416.3	1241.2
-32.5°	18690.1	16696.8	14583.8	12132.4	9181.9	5872.2	3434.8	1953.3	1565.3	1358.0	1245.0
-35°	16845.4	14678.1	12434.8	9556.7	6552.3	3973.3	2191.8	1733.0	1462.0	1312.1	1262.5
-37.5°	14012.6	11881.7	8950.4	6192.1	3950.5	2366.1	1887.2	1592.9	1392.6	1326.8	1224.8
-40°	9701.8	7307.8	5239.8	3157.0	2361.9	1960.5	1710.3	1512.3	1428.3	1303.8	1159.0
-42.5°	5319.6	3574.2	2582.7	2246.6	1944.9	1782.8	1633.1	1551.3	1421.6	1244.3	1059.0
-45°	2665.5	2371.3	2092.0	1954.4	1806.1	1723.7	1672.3	1518.2	1337.1	1137.2	943.5
-47.5°	2177.6	2051.8	1930.2	1859.6	1795.1	1715.2	1565.2	1402.7	1194.9	1002.5	842.9
-50°	1993.3	1941.4	1892.9	1826.0	1687.6	1547.3	1387.5	1216.6	1033.7	873.7	732.6
-52.5°	1949.5	1840.3	1729.9	1615.7	1475.5	1321.2	1166.6	1024.3	874.0	742.5	622.0
-55°	1712.0	1591.1	1473.0	1348.5	1222.2	1097.8	968.9	843.1	727.4	613.0	513.0
-57.5°	1406.7	1294.7	1193.7	1094.5	998.2	891.2	783.1	678.4	586.1	493.7	404.7
-60°	1095.4	998.7	929.6	855.8	777.3	689.8	606.8	526.5	449.5	379.8	308.7
-62.5°	827.5	754.7	696.0	636.9	574.5	508.1	443.7	387.5	331.1	273.7	227.1
-65°	590.3	535.1	485.0	443.2	400.1	355.5	307.6	268.0	232.7	195.4	158.0
-67.5°	390.5	351.9	316.6	286.6	263.3	238.4	209.9	179.5	156.6	137.2	116.3
-70°	244.4	223.5	204.2	185.2	169.5	155.8	140.3	124.0	107.6	92.9	78.2
-72.5°	149.6	139.5	129.3	119.1	108.2	98.8	89.0	78.0	66.5	54.4	45.1
-75°	88.2	81.5	74.6	68.2	61.4	53.9	48.8	44.2	39.5	34.9	30.3
-77.5°	47.8	44.4	41.3	38.9	36.2	33.2	29.9	26.9	25.2	23.4	21.5
-80°	27.7	27.0	26.0	24.9	23.8	22.7	21.6	20.2	18.7	17.3	16.0
-82.5°	18.9	17.9	17.0	16.5	15.9	15.3	14.7	13.8	13.0	12.2	11.6
-85°	11.2	10.6	10.0	9.9	9.9	10.0	10.0	9.9	9.8	9.6	9.5
-87.5°	6.4	6.5	6.5	7.0	7.4	7.8	8.2	8.2	8.1	8.0	8.0
-90°	3.3	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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°
90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.9	5.4	6.0
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.9	5.4	6.0
82.5°	4.3	4.3	4.3	4.3	4.7	4.9	4.9	4.9	5.1	5.5	6.0
80°	5.4	4.9	4.5	4.4	4.9	5.5	5.8	5.8	5.7	5.8	6.1
77.5°	6.1	5.5	4.8	4.4	5.0	5.5	6.1	6.5	6.3	6.2	6.3
75°	6.5	6.3	5.8	5.3	5.3	5.6	6.1	6.5	6.5	6.5	6.4
72.5°	7.4	6.9	6.6	6.4	6.1	6.0	6.3	6.5	6.5	6.5	6.5
70°	8.4	7.4	6.6	6.5	6.5	6.5	6.4	6.5	6.5	6.5	6.5
67.5°	9.7	8.6	7.4	6.6	6.5	6.5	6.5	6.5	6.5	6.5	6.5
65°	13.0	10.2	8.5	7.5	6.8	6.5	6.5	6.5	6.5	6.5	6.5
62.5°	17.4	11.9	9.7	8.3	7.2	6.7	6.5	6.5	6.5	6.5	6.5
60°	23.4	16.3	11.5	9.8	8.1	6.8	6.6	6.5	6.5	6.5	6.5
57.5°	27.4	20.2	15.4	11.8	9.8	7.7	6.7	6.7	6.5	6.5	6.5
55°	29.2	21.9	18.3	14.4	11.5	9.4	7.5	7.0	6.6	6.5	6.6
52.5°	27.3	22.9	20.0	16.3	12.9	11.0	9.0	7.5	7.1	6.5	6.7
50°	22.7	23.0	21.2	17.8	13.9	11.8	10.5	8.6	7.6	6.7	6.8
47.5°	20.3	22.3	21.8	19.1	15.2	12.7	11.4	9.7	8.2	7.2	6.9
45°	21.2	21.5	22.3	20.2	16.9	14.1	12.1	10.7	9.0	7.9	7.0
42.5°	24.1	23.6	22.5	21.6	19.0	15.7	12.8	11.4	9.8	8.5	7.4
40°	31.8	28.0	24.3	23.8	21.6	17.3	14.1	12.0	10.4	9.2	7.9
37.5°	42.1	36.1	29.6	29.0	25.2	20.0	15.5	12.6	11.1	9.8	8.5
35°	74.1	47.8	46.1	40.9	31.8	23.0	16.7	13.4	11.9	10.4	9.0
32.5°	114.8	86.8	81.5	61.1	40.4	26.3	18.9	15.1	12.7	11.0	9.5
30°	191.8	183.9	133.0	86.8	54.3	34.4	22.7	17.2	13.6	11.6	10.0
27.5°	337.6	312.1	208.1	134.0	78.9	44.8	28.3	19.6	14.5	12.2	10.5
25°	504.0	455.9	333.9	196.9	107.0	71.3	34.7	22.3	16.1	12.9	10.9
22.5°	693.6	606.7	480.6	269.4	164.7	106.7	49.0	27.4	18.1	13.6	11.3
20°	882.6	765.9	635.9	360.8	237.8	155.9	74.5	32.9	20.3	14.4	11.7
17.5°	1078.0	897.4	719.8	471.2	313.3	209.1	104.6	38.7	22.5	15.1	12.1
15°	1236.2	984.1	793.1	566.6	384.3	265.2	138.1	44.6	24.8	15.8	12.4
12.5°	1365.9	1065.5	861.2	648.1	450.8	323.2	174.0	50.6	27.1	16.5	12.5
10°	1483.4	1141.0	923.6	716.8	512.8	381.8	211.0	56.4	29.6	17.2	12.7
7.5°	1587.6	1209.8	979.9	774.0	562.9	418.4	233.9	61.9	32.1	17.8	12.8
5°	1668.9	1264.6	1015.9	790.7	567.9	427.7	251.2	67.0	34.5	18.4	12.8
2.5°	1696.6	1301.7	1037.6	795.9	568.9	431.4	264.4	71.4	36.8	19.0	12.9
0°	1706.6	1330.0	1052.4	794.1	566.0	430.4	273.3	75.3	38.7	19.4	12.9
-2.5°	1720.5	1336.0	1069.0	827.5	594.8	445.8	287.9	93.9	50.5	26.0	15.3
-5°	1718.2	1333.0	1078.9	853.5	618.7	457.4	298.3	111.4	61.7	32.2	17.5
-7.5°	1659.5	1299.5	1070.3	868.9	636.8	465.0	304.7	127.4	72.0	38.0	19.6
-10°	1576.1	1244.5	1038.4	859.9	649.5	474.8	308.6	141.5	81.2	43.1	21.4
-12.5°	1478.1	1183.9	1008.6	849.4	658.0	486.2	315.7	155.1	89.1	47.3	22.9
-15°	1365.8	1118.7	983.8	839.2	662.2	493.6	317.9	166.6	96.9	51.2	24.0
-17.5°	1250.9	1049.9	966.1	830.7	662.5	497.2	315.0	175.0	102.7	54.9	25.8
-20°	1213.1	1027.3	955.1	825.6	658.9	496.9	307.1	180.0	106.6	57.5	27.9



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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°	1181.0	1048.1	954.0	816.9	652.5	492.7	293.9	181.2	108.3	58.8	29.4
-25°	1146.4	1070.5	947.6	794.5	642.6	474.1	285.2	178.3	107.7	58.7	30.2
-27.5°	1152.9	1083.3	930.9	762.2	612.7	449.2	281.0	177.1	105.7	57.1	30.3
-30°	1178.4	1057.6	892.0	721.5	576.8	407.4	271.5	172.9	103.7	56.1	29.6
-32.5°	1182.9	1019.5	838.1	677.3	529.3	364.5	252.5	165.3	99.7	55.2	29.3
-35°	1130.1	957.4	773.4	626.2	477.5	337.1	230.5	154.4	93.5	53.2	28.9
-37.5°	1070.9	880.7	711.5	569.0	424.7	305.1	211.3	140.2	85.2	50.0	27.8
-40°	979.4	803.3	648.9	510.5	381.0	268.5	188.9	126.4	79.0	45.6	26.0
-42.5°	881.1	728.8	585.6	452.0	336.0	240.2	164.5	110.9	71.6	42.0	23.6
-45°	793.3	650.6	518.3	397.6	288.6	208.8	145.3	94.8	63.2	38.5	21.2
-47.5°	700.9	571.3	450.2	338.3	250.0	177.0	124.2	84.4	54.0	34.0	19.6
-50°	608.4	490.0	380.0	286.5	207.6	151.4	103.9	72.9	47.6	28.5	17.5
-52.5°	512.5	407.8	314.4	234.1	173.8	123.7	89.9	61.0	40.5	24.6	15.1
-55°	415.8	330.4	250.6	190.1	140.4	104.1	74.9	51.8	32.6	21.3	12.6
-57.5°	328.0	253.8	198.8	150.4	113.9	85.7	61.7	41.8	27.3	17.6	12.3
-60°	244.7	197.6	152.3	119.4	91.6	68.3	49.2	32.7	22.5	14.3	11.9
-62.5°	183.2	145.8	119.4	92.7	70.9	52.6	37.0	26.6	17.4	13.5	11.4
-65°	134.3	111.0	88.4	69.4	51.9	38.0	29.2	20.1	15.3	12.6	10.8
-67.5°	95.7	78.9	62.9	46.9	37.1	29.0	21.1	16.7	13.8	11.6	10.3
-70°	63.6	49.7	41.2	34.1	26.8	20.5	17.4	14.5	12.2	10.9	9.7
-72.5°	39.8	34.3	28.7	22.9	19.9	17.1	14.5	12.5	11.4	10.3	9.1
-75°	25.7	23.1	20.8	18.4	15.9	13.7	12.6	11.7	10.7	9.6	8.9
-77.5°	19.7	17.7	15.7	14.3	13.2	12.3	11.5	10.9	10.0	9.3	8.8
-80°	14.8	13.8	12.8	12.0	11.3	10.8	10.4	10.1	9.4	9.0	8.7
-82.5°	10.9	10.6	10.4	10.2	9.9	9.7	9.4	9.2	8.8	8.6	8.4
-85°	9.4	9.2	9.1	8.9	8.8	8.6	8.4	8.3	8.1	7.9	7.8
-87.5°	7.9	7.8	7.8	7.7	7.6	7.5	7.5	7.4	7.3	7.2	7.1
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.9	5.4	6.0



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
85°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
82.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
80°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
77.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
75°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
70°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
67.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
65°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
62.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
60°	6.5	6.5	6.5	6.5	6.5	6.5	6.5
57.5°	6.6	6.5	6.5	6.5	6.5	6.5	6.5
55°	6.7	6.5	6.5	6.5	6.5	6.5	6.5
52.5°	6.9	6.5	6.5	6.5	6.5	6.5	6.5
50°	7.1	6.7	6.5	6.5	6.5	6.5	6.5
47.5°	7.3	6.9	6.5	6.5	6.5	6.5	6.5
45°	7.4	7.2	6.5	6.5	6.5	6.5	6.5
42.5°	7.5	7.4	6.5	6.5	6.5	6.5	6.5
40°	7.6	7.7	6.6	6.5	6.5	6.5	6.5
37.5°	7.7	8.0	6.8	6.6	6.5	6.5	6.5
35°	7.8	8.1	7.0	6.6	6.5	6.5	6.5
32.5°	8.0	8.2	7.2	6.7	6.5	6.5	6.5
30°	8.4	8.3	7.5	6.8	6.5	6.5	6.5
27.5°	8.8	8.4	7.7	6.9	6.5	6.5	6.5
25°	9.2	8.5	7.9	7.0	6.5	6.5	6.5
22.5°	9.6	8.6	8.1	7.2	6.5	6.5	6.5
20°	9.9	8.6	8.2	7.3	6.5	6.5	6.5
17.5°	10.2	8.6	8.4	7.5	6.5	6.5	6.5
15°	10.3	8.6	8.4	7.6	6.5	6.5	6.5
12.5°	10.5	8.6	8.5	7.8	6.5	6.5	6.5
10°	10.6	8.6	8.6	8.0	6.5	6.5	6.5
7.5°	10.7	8.6	8.6	8.1	6.5	6.5	6.5
5°	10.7	8.6	8.6	8.3	6.5	6.5	6.5
2.5°	10.8	8.6	8.6	8.5	6.5	6.5	6.5
0°	10.8	8.6	8.6	8.6	6.5	6.5	6.5
-2.5°	11.4	8.8	8.6	8.6	6.6	6.5	6.5
-5°	11.9	9.1	8.6	8.6	6.7	6.5	6.5
-7.5°	12.4	9.3	8.6	8.6	6.8	6.5	6.5
-10°	12.8	9.5	8.6	8.5	6.9	6.5	6.5
-12.5°	13.1	9.7	8.6	8.5	6.9	6.5	6.5
-15°	13.4	9.8	8.6	8.5	7.0	6.5	6.5
-17.5°	13.6	9.9	8.6	8.4	7.1	6.5	6.5
-20°	14.2	9.9	8.6	8.4	7.1	6.5	6.5



REPORT NUMBER: P701619 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.3	9.9	8.6	8.4	7.2	6.5	6.5
-25°	16.0	10.1	8.6	8.4	7.2	6.5	6.5
-27.5°	16.4	10.3	8.6	8.4	7.3	6.5	6.5
-30°	16.4	10.3	8.6	8.4	7.3	6.5	6.5
-32.5°	16.0	10.2	8.7	8.4	7.3	6.5	6.5
-35°	15.8	10.0	8.8	8.4	7.3	6.5	6.5
-37.5°	15.4	9.7	8.9	8.5	7.3	6.5	6.5
-40°	14.8	9.8	8.9	8.6	7.2	6.5	6.5
-42.5°	14.0	9.9	9.0	8.6	7.2	6.5	6.5
-45°	12.9	9.9	9.0	8.6	7.1	6.5	6.5
-47.5°	11.5	9.9	9.0	8.6	7.0	6.5	6.5
-50°	11.2	9.8	8.9	8.5	7.0	6.5	6.5
-52.5°	11.1	9.7	8.9	8.3	6.9	6.5	6.5
-55°	10.9	9.6	8.8	8.1	6.8	6.5	6.5
-57.5°	10.6	9.4	8.7	7.9	6.6	6.5	6.5
-60°	10.3	9.2	8.6	7.7	6.5	6.5	6.5
-62.5°	10.0	9.0	8.4	7.5	6.5	6.5	6.5
-65°	9.6	8.7	8.2	7.3	6.5	6.5	6.5
-67.5°	9.1	8.5	8.0	7.2	6.5	6.5	6.5
-70°	8.7	8.4	7.9	7.0	6.5	6.5	6.5
-72.5°	8.6	8.3	7.7	6.9	6.5	6.5	6.5
-75°	8.6	8.2	7.5	6.9	6.5	6.5	6.5
-77.5°	8.5	8.1	7.4	6.8	6.5	6.5	6.5
-80°	8.6	7.8	7.2	6.8	6.5	6.5	6.5
-82.5°	8.1	7.5	7.0	6.7	6.5	6.5	6.5
-85°	7.6	7.2	6.9	6.6	6.5	6.5	6.5
-87.5°	7.0	6.8	6.7	6.6	6.5	6.5	6.5
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5

(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

