

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: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-2S-CV5**

Issue Date: 10/17/2021

Test Information

Test Method: LM-79-08
Report Number: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)
Test Lab: INNOVATION CENTER
Issue Date: 10/17/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-80-2S-CV5
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

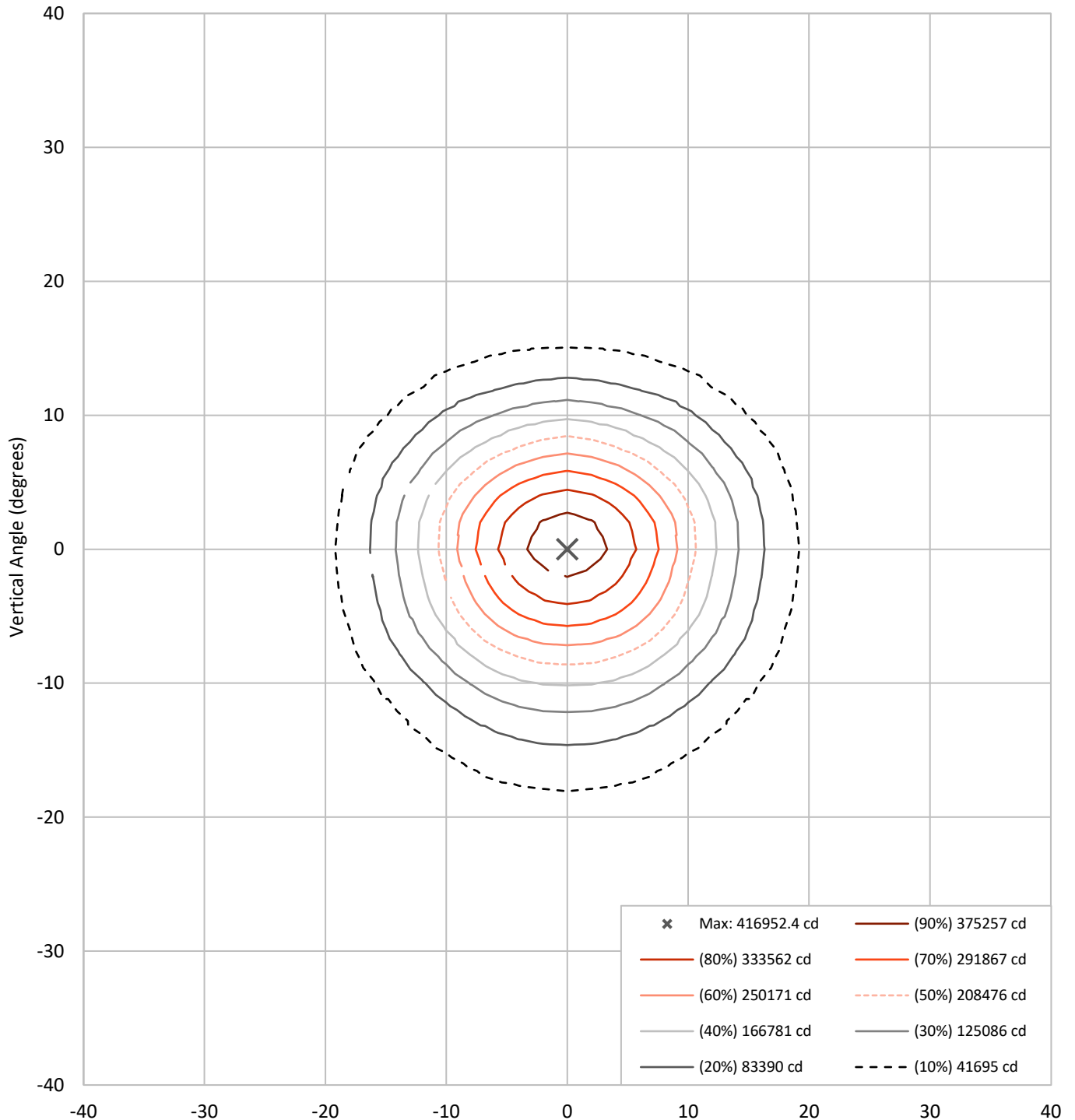
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	56238.3 lumens	Max Intensity:	416952.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	78.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	24611.2 lumens	Field Lumens:	47636.8 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 720
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-08-0680R-40-80-2S-CV5

Iso-Candela Plot





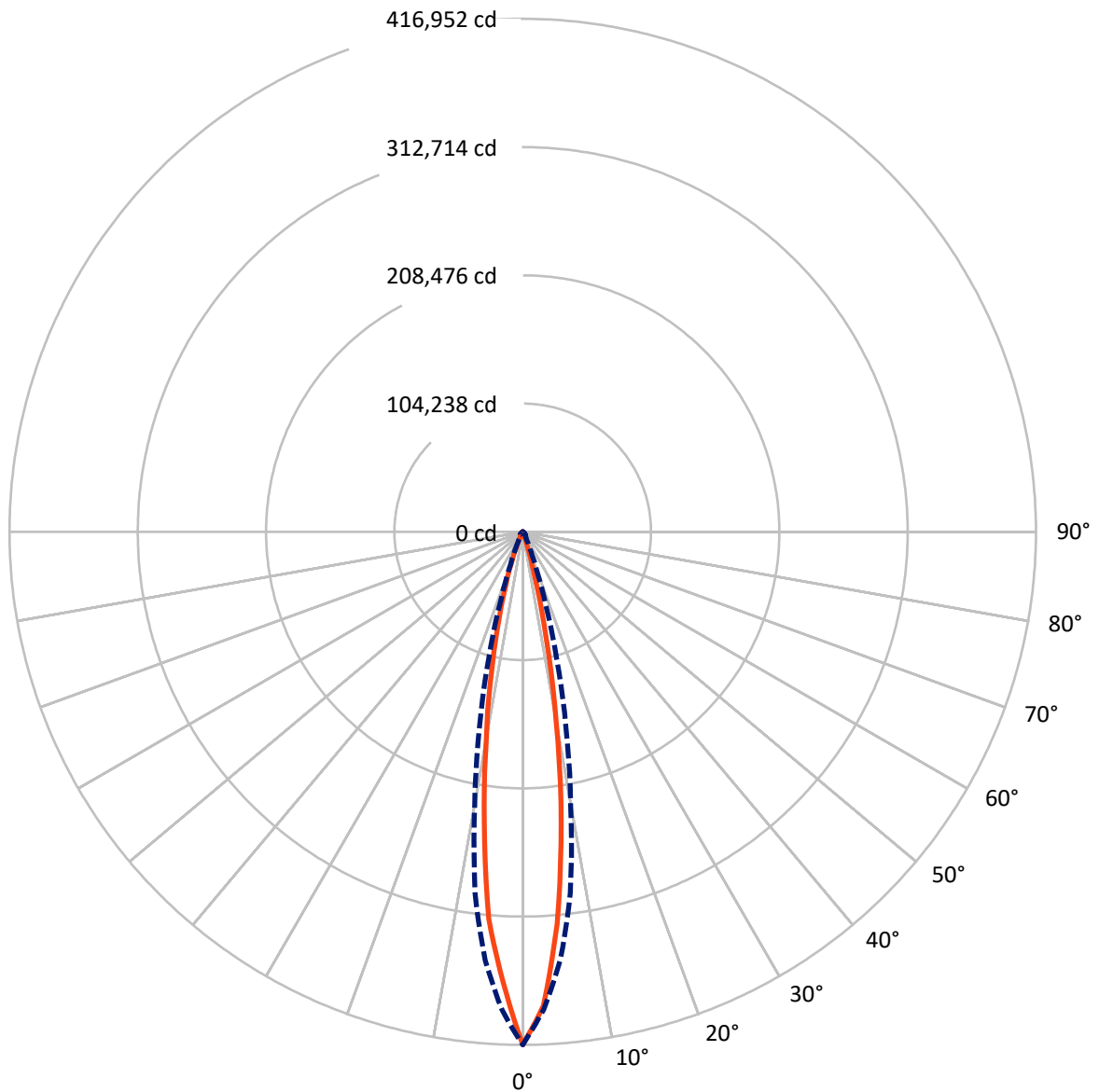
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Lumen Table

90	0.1	0.4	0.7	0.7	0.9	0.7	0.7	0.4	0.1									
80	0.1	0.4	0.7	0.7	0.9	0.7	0.7	0.4	0.1									
70	0.2	0.1	0.2	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.4	0.7	0.7	0.2	0.1	0.2		
60		0.1	0.4	0.6	0.4	0.2	0.1	0.2	0.2	0.1	0.2	0.4	0.6	0.4	0.1			
50	0.2	0.2	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.2	0.2		
40		0.2	0.5	0.8	1.5	2.1	2.4	2.8	2.8	2.4	2.1	1.5	0.8	0.5	0.2			
30	0.3	0.4	1.5	3.6	7.0	9.0	16.0	33.8	33.8	16.0	9.0	7.0	3.6	1.5	0.4	0.3		
20		1.1	5.2	17.3	36.1	65.6	452.5	1393.6	1393.6	452.5	65.6	36.1	17.3	5.2	1.1			
10	0.4	2.0	10.7	42.0	84.3	267.6	2612.2	7765.0	7765.0	2612.2	267.6	84.3	42.0	10.7	2.0	0.4		
0		2.6	12.8	49.1	96.2	279.2	2666.3	7806.8	7806.8	2666.3	279.2	96.2	49.1	12.8	2.6			
-10	0.6	2.8	11.1	36.7	74.3	120.5	736.3	2187.1	2187.1	736.3	120.5	74.3	36.7	11.1	2.8	0.6		
-20		2.7	9.4	21.7	55.3	78.5	118.6	249.0	249.0	118.6	78.5	55.3	21.7	9.4	2.7			
-30	0.5	2.4	7.6	15.1	33.8	64.7	82.4	88.6	88.6	82.4	64.7	33.8	15.1	7.6	2.4	0.5		
-40		1.6	5.6	12.1	20.5	33.1	53.8	69.9	69.9	53.8	33.1	20.5	12.1	5.6	1.6			
-50	0.3	0.8	3.3	7.6	13.8	20.2	24.9	27.7	27.7	24.9	20.2	13.8	7.6	3.3	0.8	0.3		
-60		0.3	1.1	3.2	6.2	9.5	12.9	15.0	15.0	12.9	9.5	6.2	3.2	1.1	0.3			
-70	0.2	1.1	2.8	7.0	11.0	7.0	2.8	1.1	0.2							0.2		
-80		1.1	2.8	7.0	11.0	7.0	2.8	1.1	0.2									
-90	0.2	1.1	2.8	7.0	11.0	7.0	2.8	1.1	0.2									

REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

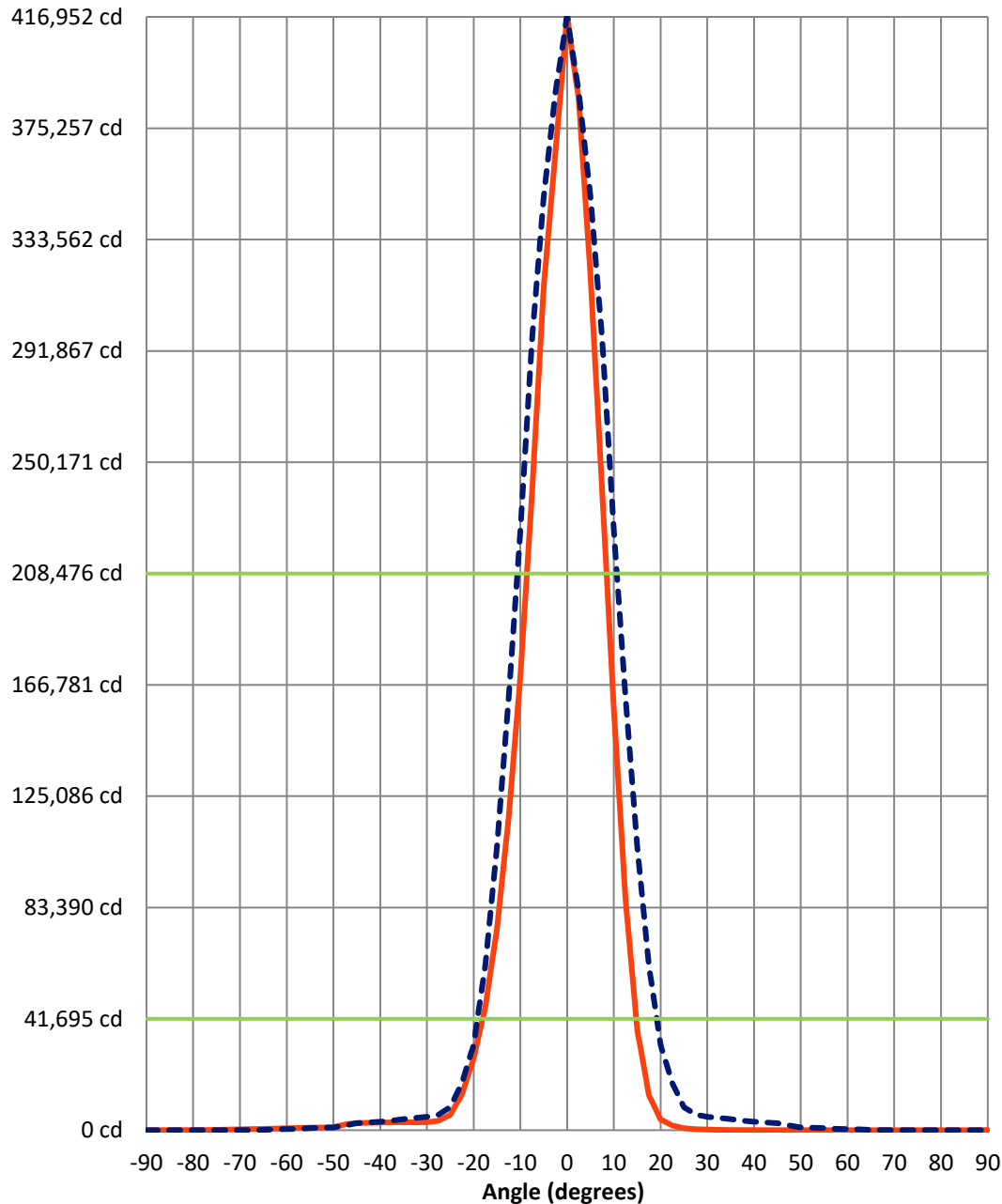
Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

Luminous Intensity Plot



Beam:
 H Angle: 21.3°
 V Angle: 17°
 Lumens: 24611.2
 Efficiency: 43.8%

Field:
 H Angle: 38.4°
 V Angle: 32.9°
 Lumens: 47636.8
 Efficiency: 84.7%

Spill:
 Lumens: 8601.5
 Efficiency: 15.3%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-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°	6.9	6.9	6.9	7.4	7.8	8.3	8.7	9.1	9.6	10.0	10.4
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.6	6.3	6.1	5.9
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.6	6.6	6.6
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
75°	6.9	6.9	6.9	6.9	6.9	7.0	6.9	6.9	6.9	6.9	6.9
72.5°	6.9	6.9	6.9	6.9	7.1	7.2	7.0	6.9	6.9	6.9	6.9
70°	6.9	6.9	6.9	6.9	7.3	7.3	7.1	6.9	6.9	6.9	7.0
67.5°	6.9	6.9	6.9	7.1	7.4	7.5	7.1	6.9	6.9	7.2	7.1
65°	6.9	6.9	6.9	7.3	7.6	7.6	7.1	6.9	7.3	7.5	7.3
62.5°	6.9	6.9	6.9	7.5	7.8	7.6	7.2	7.2	7.7	7.8	7.4
60°	6.9	6.9	6.9	7.7	8.0	7.6	7.2	7.7	8.2	7.8	7.4
57.5°	6.9	6.9	7.0	7.8	8.1	7.7	7.7	8.2	8.3	7.9	8.0
55°	6.9	6.9	7.2	8.0	8.1	7.7	8.1	8.7	8.4	8.2	8.7
52.5°	6.9	6.9	7.3	8.2	8.2	7.9	8.5	8.9	8.5	8.8	9.4
50°	6.9	6.9	7.4	8.4	8.2	8.2	9.0	9.1	8.7	9.4	10.9
47.5°	6.9	6.9	7.5	8.6	8.3	8.6	9.4	9.3	9.3	10.1	12.2
45°	6.9	6.9	7.6	8.6	8.3	8.9	9.6	9.5	9.9	10.9	13.1
42.5°	6.9	6.9	7.8	8.7	8.4	9.2	9.8	10.0	10.5	11.5	14.5
40°	6.9	6.9	7.9	8.7	8.5	9.6	10.1	10.5	11.2	11.9	15.8
37.5°	6.9	6.9	8.0	8.8	8.8	9.9	10.4	11.0	12.1	13.2	16.9
35°	6.9	6.9	8.0	8.8	9.0	10.1	10.8	11.6	13.0	15.0	17.5
32.5°	6.9	6.9	8.1	8.9	9.3	10.4	11.2	12.1	14.0	16.8	19.0
30°	6.9	6.9	8.2	9.0	9.5	10.7	11.6	12.7	15.1	18.7	20.7
27.5°	6.9	6.9	8.3	9.0	9.7	11.0	12.0	13.5	16.4	20.6	22.8
25°	6.9	6.9	8.4	9.1	9.9	11.3	12.4	14.4	17.9	22.3	25.2
22.5°	6.9	6.9	8.4	9.3	10.0	11.5	12.8	15.3	19.4	24.2	30.0
20°	6.9	6.9	8.5	9.4	10.1	11.6	13.2	16.2	20.9	26.1	35.3
17.5°	6.9	6.9	8.5	9.5	10.2	11.8	13.5	17.1	22.3	28.2	41.0
15°	6.9	6.9	8.6	9.6	10.3	11.9	13.8	17.9	23.7	30.3	46.9
12.5°	6.9	6.9	8.6	9.8	10.3	12.0	14.1	18.6	25.1	32.5	53.1
10°	6.9	6.9	8.6	9.9	10.4	12.1	14.5	19.2	26.4	36.1	60.3
7.5°	6.9	6.9	8.7	10.0	10.4	12.1	14.8	19.7	27.8	40.2	70.0
5°	6.9	6.9	8.7	10.2	10.4	12.2	15.1	20.1	29.0	44.3	79.5
2.5°	6.9	6.9	8.7	10.3	10.4	12.2	15.4	20.5	30.2	48.3	88.6
0°	6.9	6.9	8.7	10.4	10.4	12.2	15.6	20.8	31.2	52.1	97.1
-2.5°	6.9	6.9	8.8	10.5	10.7	12.6	17.0	24.8	39.3	64.4	112.8
-5°	6.9	7.0	8.8	10.6	11.0	12.9	18.3	28.7	47.0	76.2	127.4
-7.5°	6.9	7.0	8.9	10.7	11.3	13.3	19.4	32.3	54.3	87.2	140.8
-10°	6.9	7.1	8.9	10.8	11.6	13.6	20.5	35.5	60.8	97.2	152.8
-12.5°	6.9	7.1	9.0	10.9	11.9	13.9	21.3	38.1	66.4	106.0	163.0
-15°	6.9	7.1	9.0	10.9	12.1	14.1	22.0	40.2	71.4	113.5	171.5
-17.5°	6.9	7.2	9.0	11.0	12.3	14.4	22.4	42.3	75.9	119.8	178.1
-20°	6.9	7.2	9.1	11.0	12.5	14.6	22.8	44.2	79.3	124.8	182.8



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.9	7.2	9.1	11.0	12.7	14.8	23.4	45.2	81.5	128.4	185.4
-25°	6.9	7.2	9.1	11.0	12.8	15.2	23.5	45.2	82.3	130.4	185.8
-27.5°	6.9	7.3	9.1	11.0	12.9	15.5	23.1	44.0	81.8	131.1	187.4
-30°	6.9	7.3	9.1	11.0	13.0	15.7	22.2	41.8	80.3	130.1	187.2
-32.5°	6.9	7.3	9.1	11.0	13.1	15.7	20.8	40.3	77.6	127.3	184.9
-35°	6.9	7.3	9.0	11.0	13.1	15.7	20.3	38.6	73.3	122.5	180.6
-37.5°	6.9	7.3	9.0	10.9	13.1	15.7	20.3	36.1	67.3	115.7	167.8
-40°	6.9	7.3	9.0	10.9	13.1	15.6	20.1	32.8	59.5	107.3	153.1
-42.5°	6.9	7.3	8.9	10.8	13.0	15.6	19.7	28.6	53.4	93.8	136.8
-45°	6.9	7.4	8.9	10.7	12.9	15.4	19.1	25.5	47.7	78.9	119.3
-47.5°	6.9	7.3	8.8	10.6	12.8	15.3	18.3	24.5	40.9	63.3	101.5
-50°	6.9	7.3	8.8	10.5	12.6	15.1	18.0	23.3	32.3	53.5	82.8
-52.5°	6.9	7.3	8.7	10.4	12.4	14.8	17.6	21.9	28.0	43.3	63.9
-55°	6.9	7.3	8.6	10.3	12.2	14.5	17.2	20.3	25.8	32.6	51.9
-57.5°	6.9	7.3	8.5	10.1	11.9	14.2	16.8	19.7	23.5	28.2	39.4
-60°	6.9	7.3	8.5	9.9	11.7	13.8	16.2	19.0	21.4	25.7	29.8
-62.5°	6.9	7.3	8.4	9.7	11.4	13.4	15.7	18.1	20.4	23.2	27.1
-65°	6.9	7.2	8.3	9.5	11.1	12.9	15.1	17.2	19.2	21.5	24.4
-67.5°	6.9	7.2	8.2	9.3	10.7	12.4	14.4	16.4	18.0	20.0	22.3
-70°	6.9	7.2	8.1	9.1	10.4	11.9	13.7	15.6	17.1	18.5	20.5
-72.5°	6.9	7.2	7.9	8.9	10.0	11.3	12.9	14.7	16.3	17.6	18.8
-75°	6.9	7.1	7.8	8.7	9.6	10.8	12.1	13.8	15.5	16.8	18.0
-77.5°	6.9	7.1	7.7	8.5	9.3	10.1	11.3	12.9	14.4	15.9	17.3
-80°	6.9	7.1	7.5	8.3	9.0	9.7	10.5	11.9	13.3	14.7	16.1
-82.5°	6.9	7.0	7.4	8.0	8.7	9.3	10.0	11.0	12.2	13.5	14.7
-85°	6.9	7.0	7.2	7.8	8.4	9.0	9.6	10.4	11.3	12.3	13.3
-87.5°	6.9	6.9	7.1	7.6	8.1	8.6	9.1	9.8	10.4	11.1	11.9
-90°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.5	6.1	5.6	5.2



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10.4	10.4	10.4	10.4	10.9	11.3	11.8	12.2	12.6	13.0	13.5
87.5°	5.8	5.6	5.4	5.2	5.2	5.2	5.2	5.2	4.8	4.4	3.9
85°	6.4	6.1	5.7	5.5	5.5	5.4	5.4	5.2	5.0	4.8	4.7
82.5°	6.7	6.5	6.4	6.4	6.3	6.0	5.7	5.2	5.2	5.2	5.2
80°	6.8	6.9	6.9	6.9	6.5	6.1	5.7	5.3	5.2	5.3	5.3
77.5°	6.9	6.9	6.9	6.9	6.6	6.3	6.2	6.1	6.1	6.0	5.7
75°	6.9	6.9	6.9	6.9	6.8	6.8	6.9	6.9	6.7	6.6	6.6
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	8.3	10.3	11.6
70°	6.9	6.9	6.9	6.9	6.9	7.5	10.1	13.5	16.9	18.9	21.0
67.5°	6.9	6.9	6.9	7.2	9.0	11.9	15.8	23.1	31.4	33.8	33.8
65°	6.9	6.9	7.8	9.6	11.9	17.8	25.7	35.5	42.9	41.7	38.7
62.5°	6.9	7.8	9.4	12.4	17.3	24.6	32.0	39.1	46.4	44.4	37.8
60°	7.6	8.8	12.0	16.9	22.1	27.2	34.3	38.9	42.8	43.0	33.1
57.5°	8.5	10.7	15.6	20.6	24.6	27.9	31.0	34.5	35.7	34.8	25.3
55°	9.9	13.5	18.6	23.1	25.9	24.4	25.9	26.6	26.1	23.8	16.7
52.5°	12.1	16.1	21.1	24.8	24.9	21.8	19.4	19.4	17.7	14.5	12.3
50°	14.0	18.6	23.4	25.4	23.6	18.8	14.7	14.2	13.1	11.6	10.4
47.5°	15.9	20.9	25.2	25.9	21.2	17.2	13.6	12.4	11.6	11.4	10.8
45°	17.8	22.3	26.7	24.0	19.9	17.1	14.6	12.2	12.4	12.3	11.7
42.5°	19.4	23.2	25.2	22.4	20.4	18.5	16.6	14.9	13.9	14.1	14.1
40°	20.0	23.7	24.0	23.5	21.6	20.9	20.7	19.3	16.4	17.7	18.2
37.5°	20.2	23.4	24.6	26.5	24.4	25.1	25.8	26.2	24.2	22.9	26.4
35°	20.2	23.9	28.8	31.5	30.2	30.8	33.9	35.1	34.3	33.7	40.1
32.5°	20.7	25.1	34.6	37.8	39.8	40.8	43.5	45.9	48.3	52.2	64.1
30°	23.1	30.5	41.4	45.0	51.8	59.2	57.4	58.7	65.0	88.5	108.9
27.5°	28.1	37.9	48.2	55.7	66.9	82.8	85.3	78.4	98.8	134.7	168.3
25°	34.2	61.0	55.7	68.7	90.0	111.3	121.1	125.7	149.8	198.4	236.1
22.5°	47.0	91.9	89.7	82.9	116.5	144.3	168.7	217.1	285.1	300.5	308.5
20°	69.6	122.5	131.3	138.2	156.4	181.5	223.7	339.6	484.5	537.8	482.4
17.5°	96.4	156.0	177.7	209.5	250.9	258.9	293.7	485.7	735.0	821.9	838.7
15°	126.4	191.9	227.0	289.2	352.2	382.3	483.5	722.1	1009.0	1151.1	1249.5
12.5°	158.7	229.6	278.5	375.5	458.8	506.3	722.4	1086.0	1361.5	1527.5	1787.2
10°	192.1	268.3	331.4	466.1	569.2	630.3	986.2	1461.9	1739.5	1928.2	2262.4
7.5°	226.8	305.7	383.8	558.6	681.4	753.6	1264.0	1841.2	2107.6	2313.3	2649.9
5°	260.2	340.2	430.6	636.5	774.6	860.4	1521.4	2213.3	2465.2	2683.3	2984.7
2.5°	290.7	373.1	475.8	708.1	852.7	940.9	1667.9	2425.9	2693.0	2952.6	3282.9
0°	317.4	404.2	518.7	773.7	926.3	1018.3	1786.8	2610.8	2886.7	3169.4	3565.0
-2.5°	321.4	413.6	532.0	767.7	912.6	1006.4	1755.7	2582.3	2917.6	3247.7	3660.6
-5°	321.1	420.5	541.7	755.6	894.8	990.9	1694.6	2517.1	2906.4	3233.6	3621.3
-7.5°	317.5	424.6	547.7	737.8	867.1	956.2	1577.1	2356.9	2765.0	3053.4	3425.8
-10°	311.2	423.1	539.4	707.6	827.9	909.3	1427.1	2167.6	2616.3	2869.2	3200.4
-12.5°	303.1	417.1	526.5	675.2	789.6	861.3	1253.0	1953.1	2464.0	2686.2	2957.3
-15°	293.7	409.6	511.3	642.0	753.6	812.9	1056.9	1716.6	2313.7	2544.5	2756.8
-17.5°	283.8	400.7	494.1	609.1	721.3	764.7	845.2	1458.8	2099.8	2390.2	2605.3
-20°	273.9	390.6	475.1	577.6	690.8	733.0	785.2	1210.7	1788.7	2212.0	2439.6



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	264.6	379.7	457.3	551.7	656.4	715.7	755.9	968.3	1460.3	2012.9	2262.7
-25°	261.0	363.5	442.4	527.6	623.7	699.7	728.8	764.4	1161.0	1690.6	2083.5
-27.5°	260.2	349.9	425.9	501.7	591.2	678.9	709.3	735.6	937.7	1367.0	1876.2
-30°	256.8	331.5	407.5	475.9	560.0	642.1	694.3	723.3	768.8	1100.4	1524.4
-32.5°	245.5	311.9	385.9	453.9	527.7	606.9	681.8	717.4	754.7	846.0	1201.2
-35°	230.8	294.1	362.7	429.8	494.5	572.6	649.5	712.7	740.8	783.2	931.4
-37.5°	217.1	274.3	338.9	404.0	466.6	537.0	614.9	685.7	734.8	767.7	820.6
-40°	201.6	252.7	315.1	377.5	437.5	501.7	574.0	647.2	713.5	770.0	810.7
-42.5°	184.1	233.5	289.6	349.9	406.4	467.0	531.1	602.0	677.1	754.6	812.2
-45°	164.4	212.4	262.9	317.7	372.5	429.4	490.0	553.7	629.9	708.8	785.7
-47.5°	143.0	189.1	237.1	283.4	335.4	389.1	445.7	507.9	575.3	650.1	729.1
-50°	120.5	163.4	208.1	250.9	296.0	346.0	398.2	457.8	520.6	586.1	657.0
-52.5°	98.5	135.9	177.2	218.4	258.4	301.0	350.0	403.6	461.4	522.0	581.2
-55°	75.4	109.4	144.9	183.7	222.3	259.3	300.2	348.3	397.9	452.8	505.3
-57.5°	57.8	82.6	114.0	147.3	183.5	219.9	256.5	292.9	336.5	382.2	425.4
-60°	43.3	60.5	83.9	112.8	142.7	176.9	212.9	247.3	280.6	312.1	349.4
-62.5°	30.6	44.1	59.7	79.3	105.6	132.8	163.8	196.8	230.5	257.8	282.8
-65°	27.8	30.8	41.4	55.6	69.6	93.4	118.2	142.7	171.4	197.8	222.5
-67.5°	24.9	27.7	30.4	35.3	48.0	61.6	75.4	97.0	118.4	137.4	156.1
-70°	22.7	24.6	26.9	29.4	32.0	37.8	49.7	61.8	73.8	87.7	104.3
-72.5°	20.5	22.5	24.2	25.7	28.0	30.8	33.7	36.7	43.6	53.2	63.1
-75°	19.1	20.5	22.2	23.8	25.1	26.6	28.5	31.0	33.4	35.5	37.3
-77.5°	18.0	18.9	20.1	21.6	22.7	23.6	24.7	26.1	27.8	29.6	31.5
-80°	16.8	17.3	17.9	18.8	19.6	20.3	21.0	21.7	22.6	23.8	25.2
-82.5°	15.2	15.6	16.0	16.3	16.6	17.0	17.4	17.9	18.5	19.1	19.8
-85°	13.6	13.9	14.2	14.4	14.3	14.3	14.3	14.3	14.6	14.9	15.2
-87.5°	12.0	12.1	12.3	12.4	12.4	12.4	12.3	12.2	12.3	12.4	12.5
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.8	4.4	3.9



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.9	13.9	13.9	13.9	13.9	18.7	23.4	28.2	33.0	41.2	49.4
87.5°	3.5	3.5	3.5	3.5	3.5	3.1	2.7	2.2	1.8	1.8	1.8
85°	4.6	4.4	4.1	3.8	3.5	3.4	3.4	3.4	3.4	3.0	2.6
82.5°	5.2	4.8	4.4	4.0	3.5	3.2	2.8	2.4	2.0	1.9	1.8
80°	5.2	4.8	4.4	4.0	3.6	3.4	3.3	3.3	3.3	3.3	3.4
77.5°	5.4	5.2	4.8	4.2	3.6	3.5	3.5	3.5	3.5	3.2	2.8
75°	6.7	6.6	6.5	6.0	5.3	5.0	4.7	4.2	3.6	3.4	3.4
72.5°	12.3	12.2	11.6	10.9	9.6	8.8	8.5	8.1	7.7	7.5	7.4
70°	21.8	21.4	20.2	17.9	14.6	12.3	11.4	10.3	9.1	8.6	8.6
67.5°	30.7	27.3	24.1	20.6	16.5	13.4	11.8	10.1	8.2	7.3	7.2
65°	34.0	27.3	22.6	18.8	15.8	12.9	10.7	8.6	6.7	5.8	6.0
62.5°	30.7	22.6	17.6	14.4	11.9	10.1	8.3	6.9	5.8	5.2	5.3
60°	24.3	16.4	12.1	10.1	8.4	7.0	6.2	5.4	4.6	4.1	4.3
57.5°	17.5	11.8	8.6	7.9	6.9	5.7	5.0	4.7	4.6	4.6	4.9
55°	11.9	9.8	8.7	7.8	6.8	5.8	5.2	5.2	5.2	5.2	5.2
52.5°	9.9	9.3	8.9	8.1	7.1	6.1	5.2	5.2	5.2	5.2	5.2
50°	10.0	9.5	9.0	8.4	7.4	6.4	5.3	5.4	5.8	6.1	6.2
47.5°	10.1	9.7	9.4	8.8	7.9	7.5	6.9	7.0	7.7	8.0	7.9
45°	10.6	10.7	10.6	10.5	9.7	9.9	10.0	10.1	12.3	12.3	10.8
42.5°	13.1	13.9	14.6	15.1	13.0	16.9	22.8	25.5	22.4	18.1	15.3
40°	19.6	20.5	24.6	26.6	32.8	38.6	33.3	26.9	24.1	26.2	27.7
37.5°	31.2	37.0	45.1	54.5	50.7	40.4	40.6	40.5	39.5	42.8	42.7
35°	52.2	65.5	73.5	71.8	66.4	63.4	66.2	69.2	62.5	68.4	70.0
32.5°	84.1	100.0	102.1	96.6	96.9	102.1	111.7	110.3	112.4	119.3	127.2
30°	121.4	140.2	147.5	137.6	130.4	142.9	148.3	153.1	168.5	188.6	206.6
27.5°	182.7	196.5	209.0	198.6	177.8	193.4	204.3	201.1	243.5	266.1	316.7
25°	259.6	279.2	286.3	290.1	283.2	280.3	307.7	321.7	380.2	442.2	547.6
22.5°	354.5	407.9	423.0	403.2	425.4	441.0	459.5	522.2	639.2	829.5	1101.4
20°	474.9	583.8	671.4	657.2	605.1	671.8	747.2	944.7	1286.6	2055.7	2684.9
17.5°	856.2	858.2	1033.1	1103.5	1017.6	1162.3	1532.9	2175.5	3589.0	6182.9	7864.6
15°	1445.4	1484.3	1564.8	1659.1	1813.9	2191.8	2938.5	5631.4	9686.7	15297.7	21055.2
12.5°	2069.9	2157.9	2295.6	2372.8	2688.6	3699.9	6902.6	12799.3	21359.3	32161.2	50079.4
10°	2606.6	2840.7	3018.3	3259.5	4074.2	6449.6	11976.1	22165.0	39420.0	62724.5	90267.5
7.5°	2986.1	3328.7	3629.0	4082.5	5774.4	10562.8	19831.9	36782.1	62844.9	95755.4	133723.3
5°	3367.8	3801.3	4138.0	4735.8	6860.3	13648.1	25982.7	50478.1	88112.3	132913.9	183692.1
2.5°	3755.6	4242.9	4613.8	5353.6	7554.9	15212.3	29103.3	58651.8	104820.3	159371.7	221020.3
0°	4146.0	4607.5	4997.8	5834.0	8633.9	17673.7	32042.7	61771.3	106377.1	162061.1	224637.2
-2.5°	4128.0	4432.8	4790.1	5438.2	7875.5	16269.5	29782.6	58378.1	100703.5	152353.3	209100.5
-5°	3971.1	4185.1	4468.3	5041.0	7045.7	13561.4	25758.1	49902.1	88943.6	136263.8	185176.8
-7.5°	3727.2	3906.8	4118.5	4591.1	6089.2	10793.7	20835.4	40024.0	70556.9	104839.9	142347.1
-10°	3493.3	3631.9	3782.3	4109.8	5072.4	7910.9	14781.2	27120.3	49115.5	74762.7	103306.1
-12.5°	3277.7	3388.2	3468.1	3606.6	4086.1	5730.0	10627.6	19451.5	32087.3	47974.5	69030.9
-15°	3058.1	3151.7	3193.0	3304.1	3617.8	4431.4	6405.7	11956.3	20058.7	30318.4	40994.9
-17.5°	2822.2	2933.4	2995.6	3067.0	3203.7	3540.7	4630.1	6963.9	11862.4	18750.2	25626.8
-20°	2628.2	2759.2	2812.5	2862.2	2988.2	3186.1	3497.1	4546.6	6335.8	10625.6	14901.6



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2440.8	2558.9	2628.2	2734.7	2897.7	3034.8	3136.7	3386.7	4129.8	5300.4	7390.2
-25°	2270.4	2372.6	2509.5	2713.9	2873.5	2971.5	2990.7	3001.3	3213.1	3445.5	4151.1
-27.5°	2098.7	2243.6	2447.6	2678.2	2867.7	2915.4	2918.0	2914.3	2964.9	3000.1	3175.7
-30°	1945.8	2135.6	2328.1	2574.4	2758.8	2836.4	2869.3	2892.0	2918.0	2950.1	2961.8
-32.5°	1634.3	2021.9	2177.8	2375.1	2607.5	2730.3	2792.0	2844.7	2873.4	2901.5	2923.5
-35°	1292.1	1701.1	2073.0	2200.4	2365.5	2573.5	2728.4	2791.4	2844.4	2874.4	2902.4
-37.5°	971.8	1322.4	1684.0	2022.8	2191.2	2338.4	2536.4	2690.6	2787.9	2826.4	2860.1
-40°	856.3	947.4	1266.8	1577.6	1874.3	2154.5	2319.1	2505.5	2654.3	2729.8	2788.2
-42.5°	851.9	885.4	918.0	1136.2	1411.9	1682.1	1937.6	2176.7	2397.5	2547.6	2658.8
-45°	850.9	874.8	902.0	934.6	967.5	1178.5	1414.6	1652.0	1894.2	2121.5	2325.2
-47.5°	795.6	854.9	887.5	913.5	935.4	963.3	995.1	1055.2	1252.3	1451.0	1650.2
-50°	719.7	779.1	833.3	885.3	911.6	929.7	947.1	966.9	991.7	1016.8	1042.4
-52.5°	634.8	691.1	746.4	796.0	838.7	879.7	918.7	936.6	949.8	962.0	972.4
-55°	555.5	603.9	650.8	694.7	737.2	777.3	813.8	845.0	874.0	900.3	920.9
-57.5°	471.5	517.4	561.0	597.9	633.3	666.8	699.1	729.1	756.2	780.2	800.3
-60°	387.1	424.9	463.1	498.3	531.9	563.5	590.3	615.0	637.7	658.3	677.2
-62.5°	307.6	337.1	369.4	399.0	425.6	451.5	480.0	504.6	525.5	543.8	560.9
-65°	245.3	266.3	289.5	311.9	333.5	358.1	385.1	408.6	428.9	445.9	460.5
-67.5°	177.2	197.7	219.9	240.2	259.0	279.5	304.3	327.6	349.5	367.2	381.3
-70°	119.3	133.9	150.7	168.8	186.9	206.2	227.9	248.9	269.2	285.5	298.9
-72.5°	73.3	82.9	92.5	104.5	117.0	131.8	148.4	165.3	182.1	195.8	207.6
-75°	39.0	42.3	49.6	56.5	63.0	71.2	79.7	87.6	94.9	101.7	107.8
-77.5°	33.4	34.7	36.0	37.1	38.2	41.6	45.7	49.9	54.3	58.9	63.4
-80°	26.6	27.6	28.6	29.7	30.7	33.2	36.0	38.8	41.5	44.6	47.6
-82.5°	20.5	21.0	21.5	21.9	22.3	24.2	26.2	28.2	30.2	32.7	35.1
-85°	15.5	15.7	15.9	16.1	16.3	17.9	19.4	20.9	22.3	25.0	27.6
-87.5°	12.5	12.5	12.4	12.4	12.4	14.3	16.1	17.9	19.6	21.7	23.8
-90°	3.5	3.5	3.5	3.5	3.5	3.1	2.7	2.2	1.8	1.4	0.9



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	57.7	65.9	70.2	74.6	70.2	65.9	57.7	49.4	41.2	33.0	28.2
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
85°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.6	3.0	3.4	3.4
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.0	2.4
80°	3.4	3.5	2.7	1.8	2.7	3.5	3.4	3.4	3.3	3.3	3.3
77.5°	2.3	1.9	2.6	3.5	2.6	1.9	2.3	2.8	3.2	3.5	3.5
75°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.6	4.2
72.5°	7.2	6.8	6.9	6.9	6.9	6.8	7.2	7.4	7.5	7.7	8.1
70°	8.6	8.6	8.7	8.7	8.7	8.6	8.6	8.6	8.6	9.1	10.3
67.5°	7.0	7.0	6.1	5.2	6.1	7.0	7.0	7.2	7.3	8.2	10.1
65°	6.4	6.8	6.1	5.2	6.1	6.8	6.4	6.0	5.8	6.7	8.6
62.5°	5.3	5.3	5.2	5.2	5.2	5.3	5.3	5.3	5.2	5.8	6.9
60°	4.7	5.1	5.2	5.2	5.2	5.1	4.7	4.3	4.1	4.6	5.4
57.5°	5.1	5.2	5.2	5.2	5.2	5.2	5.1	4.9	4.6	4.6	4.7
55°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
52.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
50°	5.9	5.4	5.2	5.2	5.2	5.4	5.9	6.2	6.1	5.8	5.4
47.5°	7.5	7.1	6.9	6.9	6.9	7.1	7.5	7.9	8.0	7.7	7.0
45°	10.7	10.5	10.3	10.4	10.3	10.5	10.7	10.8	12.3	12.3	10.1
42.5°	15.5	15.5	15.5	15.6	15.5	15.5	15.5	15.3	18.1	22.4	25.5
40°	29.1	29.4	28.7	27.7	28.7	29.4	29.1	27.7	26.2	24.1	26.9
37.5°	42.6	43.0	43.0	43.4	43.0	43.0	42.6	42.7	42.8	39.5	40.5
35°	69.1	67.4	63.6	64.2	63.6	67.4	69.1	70.0	68.4	62.5	69.2
32.5°	132.2	130.4	123.2	128.4	123.2	130.4	132.2	127.2	119.3	112.4	110.3
30°	222.5	231.3	235.1	234.2	235.1	231.3	222.5	206.6	188.6	168.5	153.1
27.5°	342.6	362.2	374.4	381.7	374.4	362.2	342.6	316.7	266.1	243.5	201.1
25°	623.4	671.7	699.1	735.5	699.1	671.7	623.4	547.6	442.2	380.2	321.7
22.5°	1393.9	1568.8	1680.0	1759.1	1680.0	1568.8	1393.9	1101.4	829.5	639.2	522.2
20°	3616.4	3602.1	3892.0	4048.9	3892.0	3602.1	3616.4	2684.9	2055.7	1286.6	944.7
17.5°	11320.5	13119.6	13576.1	13185.9	13576.1	13119.6	11320.5	7864.6	6182.9	3589.0	2175.5
15°	29098.8	35108.1	37892.9	37854.2	37892.9	35108.1	29098.8	21055.2	15297.7	9686.7	5631.4
12.5°	62747.4	74353.3	81931.4	86515.8	81931.4	74353.3	62747.4	50079.4	32161.2	21359.3	12799.3
10°	113872.1	133753.9	149608.2	157573.2	149608.2	133753.9	113872.1	90267.5	62724.5	39420.0	22165.0
7.5°	168756.1	200925.0	228088.1	239363.6	228088.1	200925.0	168756.1	133723.3	95755.4	62844.9	36782.1
5°	232338.2	283524.3	308946.7	319901.4	308946.7	283524.3	232338.2	183692.1	132913.9	88112.3	50478.1
2.5°	285531.8	336571.3	372104.5	385608.8	372104.5	336571.3	285531.8	221020.3	159371.7	104820.3	58651.8
0°	296179.5	349536.3	388643.8	416952.4	388643.8	349536.3	296179.5	224637.2	162061.1	106377.1	61771.3
-2.5°	273564.3	325698.7	354274.1	366246.4	354274.1	325698.7	273564.3	209100.5	152353.3	100703.5	58378.1
-5°	237819.2	284091.1	310510.0	315816.1	310510.0	284091.1	237819.2	185176.8	136263.8	88943.6	49902.1
-7.5°	181736.7	213767.7	234605.6	238811.9	234605.6	213767.7	181736.7	142347.1	104839.9	70556.9	40024.0
-10°	132166.7	155261.3	168643.1	170091.3	168643.1	155261.3	132166.7	103306.1	74762.7	49115.5	27120.3
-12.5°	88307.5	106403.4	115867.8	117235.8	115867.8	106403.4	88307.5	69030.9	47974.5	32087.3	19451.5
-15°	55337.6	67108.1	74059.2	75566.1	74059.2	67108.1	55337.6	40994.9	30318.4	20058.7	11956.3
-17.5°	34096.3	40050.1	43696.1	46106.3	43696.1	40050.1	34096.3	25626.8	18750.2	11862.4	6963.9
-20°	19936.7	23797.6	25964.3	26949.4	25964.3	23797.6	19936.7	14901.6	10625.6	6335.8	4546.6



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10009.1	11913.9	13211.2	13408.0	13211.2	11913.9	10009.1	7390.2	5300.4	4129.8	3386.7
-25°	4854.3	5384.8	5748.9	5769.9	5748.9	5384.8	4854.3	4151.1	3445.5	3213.1	3001.3
-27.5°	3319.2	3429.6	3501.0	3542.4	3501.0	3429.6	3319.2	3175.7	3000.1	2964.9	2914.3
-30°	2974.0	2990.5	3000.6	2987.2	3000.6	2990.5	2974.0	2961.8	2950.1	2918.0	2892.0
-32.5°	2931.0	2938.7	2944.1	2935.2	2944.1	2938.7	2931.0	2923.5	2901.5	2873.4	2844.7
-35°	2927.6	2949.0	2965.7	2961.2	2965.7	2949.0	2927.6	2902.4	2874.4	2844.4	2791.4
-37.5°	2884.6	2903.4	2916.0	2916.2	2916.0	2903.4	2884.6	2860.1	2826.4	2787.9	2690.6
-40°	2820.8	2846.6	2862.6	2862.3	2862.6	2846.6	2820.8	2788.2	2729.8	2654.3	2505.5
-42.5°	2711.9	2747.9	2764.9	2763.5	2764.9	2747.9	2711.9	2658.8	2547.6	2397.5	2176.7
-45°	2478.1	2594.3	2656.6	2662.9	2656.6	2594.3	2478.1	2325.2	2121.5	1894.2	1652.0
-47.5°	1846.5	2025.5	2135.2	2159.7	2135.2	2025.5	1846.5	1650.2	1451.0	1252.3	1055.2
-50°	1067.8	1091.7	1101.9	1098.1	1101.9	1091.7	1067.8	1042.4	1016.8	991.7	966.9
-52.5°	982.5	992.1	999.4	1004.4	999.4	992.1	982.5	972.4	962.0	949.8	936.6
-55°	937.6	950.6	958.8	962.7	958.8	950.6	937.6	920.9	900.3	874.0	845.0
-57.5°	816.8	829.7	836.9	839.6	836.9	829.7	816.8	800.3	780.2	756.2	729.1
-60°	693.0	705.6	712.9	716.4	712.9	705.6	693.0	677.2	658.3	637.7	615.0
-62.5°	575.3	587.2	594.3	598.5	594.3	587.2	575.3	560.9	543.8	525.5	504.6
-65°	473.4	484.6	490.7	494.4	490.7	484.6	473.4	460.5	445.9	428.9	408.6
-67.5°	394.0	405.3	412.6	418.1	412.6	405.3	394.0	381.3	367.2	349.5	327.6
-70°	311.2	322.2	326.2	327.9	326.2	322.2	311.2	298.9	285.5	269.2	248.9
-72.5°	218.0	227.2	233.2	237.6	233.2	227.2	218.0	207.6	195.8	182.1	165.3
-75°	113.4	118.4	122.0	125.0	122.0	118.4	113.4	107.8	101.7	94.9	87.6
-77.5°	67.9	72.3	74.5	76.3	74.5	72.3	67.9	63.4	58.9	54.3	49.9
-80°	50.6	53.5	54.6	55.5	54.6	53.5	50.6	47.6	44.6	41.5	38.8
-82.5°	37.5	39.8	40.8	41.7	40.8	39.8	37.5	35.1	32.7	30.2	28.2
-85°	30.3	32.9	33.8	34.6	33.8	32.9	30.3	27.6	25.0	22.3	20.9
-87.5°	25.8	27.8	29.5	31.2	29.5	27.8	25.8	23.8	21.7	19.6	17.9
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8	2.2



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	23.4	18.7	13.9	13.9	13.9	13.9	13.9	13.5	13.0	12.6	12.2
87.5°	2.7	3.1	3.5	3.5	3.5	3.5	3.5	3.9	4.4	4.8	5.2
85°	3.4	3.4	3.5	3.8	4.1	4.4	4.6	4.7	4.8	5.0	5.2
82.5°	2.8	3.2	3.5	4.0	4.4	4.8	5.2	5.2	5.2	5.2	5.2
80°	3.3	3.4	3.6	4.0	4.4	4.8	5.2	5.3	5.3	5.2	5.3
77.5°	3.5	3.5	3.6	4.2	4.8	5.2	5.4	5.7	6.0	6.1	6.1
75°	4.7	5.0	5.3	6.0	6.5	6.6	6.7	6.6	6.6	6.7	6.9
72.5°	8.5	8.8	9.6	10.9	11.6	12.2	12.3	11.6	10.3	8.3	6.9
70°	11.4	12.3	14.6	17.9	20.2	21.4	21.8	21.0	18.9	16.9	13.5
67.5°	11.8	13.4	16.5	20.6	24.1	27.3	30.7	33.8	33.8	31.4	23.1
65°	10.7	12.9	15.8	18.8	22.6	27.3	34.0	38.7	41.7	42.9	35.5
62.5°	8.3	10.1	11.9	14.4	17.6	22.6	30.7	37.8	44.4	46.4	39.1
60°	6.2	7.0	8.4	10.1	12.1	16.4	24.3	33.1	43.0	42.8	38.9
57.5°	5.0	5.7	6.9	7.9	8.6	11.8	17.5	25.3	34.8	35.7	34.5
55°	5.2	5.8	6.8	7.8	8.7	9.8	11.9	16.7	23.8	26.1	26.6
52.5°	5.2	6.1	7.1	8.1	8.9	9.3	9.9	12.3	14.5	17.7	19.4
50°	5.3	6.4	7.4	8.4	9.0	9.5	10.0	10.4	11.6	13.1	14.2
47.5°	6.9	7.5	7.9	8.8	9.4	9.7	10.1	10.8	11.4	11.6	12.4
45°	10.0	9.9	9.7	10.5	10.6	10.7	10.6	11.7	12.3	12.4	12.2
42.5°	22.8	16.9	13.0	15.1	14.6	13.9	13.1	14.1	14.1	13.9	14.9
40°	33.3	38.6	32.8	26.6	24.6	20.5	19.6	18.2	17.7	16.4	19.3
37.5°	40.6	40.4	50.7	54.5	45.1	37.0	31.2	26.4	22.9	24.2	26.2
35°	66.2	63.4	66.4	71.8	73.5	65.5	52.2	40.1	33.7	34.3	35.1
32.5°	111.7	102.1	96.9	96.6	102.1	100.0	84.1	64.1	52.2	48.3	45.9
30°	148.3	142.9	130.4	137.6	147.5	140.2	121.4	108.9	88.5	65.0	58.7
27.5°	204.3	193.4	177.8	198.6	209.0	196.5	182.7	168.3	134.7	98.8	78.4
25°	307.7	280.3	283.2	290.1	286.3	279.2	259.6	236.1	198.4	149.8	125.7
22.5°	459.5	441.0	425.4	403.2	423.0	407.9	354.5	308.5	300.5	285.1	217.1
20°	747.2	671.8	605.1	657.2	671.4	583.8	474.9	482.4	537.8	484.5	339.6
17.5°	1532.9	1162.3	1017.6	1103.5	1033.1	858.2	856.2	838.7	821.9	735.0	485.7
15°	2938.5	2191.8	1813.9	1659.1	1564.8	1484.3	1445.4	1249.5	1151.1	1009.0	722.1
12.5°	6902.6	3699.9	2688.6	2372.8	2295.6	2157.9	2069.9	1787.2	1527.5	1361.5	1086.0
10°	11976.1	6449.6	4074.2	3259.5	3018.3	2840.7	2606.6	2262.4	1928.2	1739.5	1461.9
7.5°	19831.9	10562.8	5774.4	4082.5	3629.0	3328.7	2986.1	2649.9	2313.3	2107.6	1841.2
5°	25982.7	13648.1	6860.3	4735.8	4138.0	3801.3	3367.8	2984.7	2683.3	2465.2	2213.3
2.5°	29103.3	15212.3	7554.9	5353.6	4613.8	4242.9	3755.6	3282.9	2952.6	2693.0	2425.9
0°	32042.7	17673.7	8633.9	5834.0	4997.8	4607.5	4146.0	3565.0	3169.4	2886.7	2610.8
-2.5°	29782.6	16269.5	7875.5	5438.2	4790.1	4432.8	4128.0	3660.6	3247.7	2917.6	2582.3
-5°	25758.1	13561.4	7045.7	5041.0	4468.3	4185.1	3971.1	3621.3	3233.6	2906.4	2517.1
-7.5°	20835.4	10793.7	6089.2	4591.1	4118.5	3906.8	3727.2	3425.8	3053.4	2765.0	2356.9
-10°	14781.2	7910.9	5072.4	4109.8	3782.3	3631.9	3493.3	3200.4	2869.2	2616.3	2167.6
-12.5°	10627.6	5730.0	4086.1	3606.6	3468.1	3388.2	3277.7	2957.3	2686.2	2464.0	1953.1
-15°	6405.7	4431.4	3617.8	3304.1	3193.0	3151.7	3058.1	2756.8	2544.5	2313.7	1716.6
-17.5°	4630.1	3540.7	3203.7	3067.0	2995.6	2933.4	2822.2	2605.3	2390.2	2099.8	1458.8
-20°	3497.1	3186.1	2988.2	2862.2	2812.5	2759.2	2628.2	2439.6	2212.0	1788.7	1210.7



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3136.7	3034.8	2897.7	2734.7	2628.2	2558.9	2440.8	2262.7	2012.9	1460.3	968.3
-25°	2990.7	2971.5	2873.5	2713.9	2509.5	2372.6	2270.4	2083.5	1690.6	1161.0	764.4
-27.5°	2918.0	2915.4	2867.7	2678.2	2447.6	2243.6	2098.7	1876.2	1367.0	937.7	735.6
-30°	2869.3	2836.4	2758.8	2574.4	2328.1	2135.6	1945.8	1524.4	1100.4	768.8	723.3
-32.5°	2792.0	2730.3	2607.5	2375.1	2177.8	2021.9	1634.3	1201.2	846.0	754.7	717.4
-35°	2728.4	2573.5	2365.5	2200.4	2073.0	1701.1	1292.1	931.4	783.2	740.8	712.7
-37.5°	2536.4	2338.4	2191.2	2022.8	1684.0	1322.4	971.8	820.6	767.7	734.8	685.7
-40°	2319.1	2154.5	1874.3	1577.6	1266.8	947.4	856.3	810.7	770.0	713.5	647.2
-42.5°	1937.6	1682.1	1411.9	1136.2	918.0	885.4	851.9	812.2	754.6	677.1	602.0
-45°	1414.6	1178.5	967.5	934.6	902.0	874.8	850.9	785.7	708.8	629.9	553.7
-47.5°	995.1	963.3	935.4	913.5	887.5	854.9	795.6	729.1	650.1	575.3	507.9
-50°	947.1	929.7	911.6	885.3	833.3	779.1	719.7	657.0	586.1	520.6	457.8
-52.5°	918.7	879.7	838.7	796.0	746.4	691.1	634.8	581.2	522.0	461.4	403.6
-55°	813.8	777.3	737.2	694.7	650.8	603.9	555.5	505.3	452.8	397.9	348.3
-57.5°	699.1	666.8	633.3	597.9	561.0	517.4	471.5	425.4	382.2	336.5	292.9
-60°	590.3	563.5	531.9	498.3	463.1	424.9	387.1	349.4	312.1	280.6	247.3
-62.5°	480.0	451.5	425.6	399.0	369.4	337.1	307.6	282.8	257.8	230.5	196.8
-65°	385.1	358.1	333.5	311.9	289.5	266.3	245.3	222.5	197.8	171.4	142.7
-67.5°	304.3	279.5	259.0	240.2	219.9	197.7	177.2	156.1	137.4	118.4	97.0
-70°	227.9	206.2	186.9	168.8	150.7	133.9	119.3	104.3	87.7	73.8	61.8
-72.5°	148.4	131.8	117.0	104.5	92.5	82.9	73.3	63.1	53.2	43.6	36.7
-75°	79.7	71.2	63.0	56.5	49.6	42.3	39.0	37.3	35.5	33.4	31.0
-77.5°	45.7	41.6	38.2	37.1	36.0	34.7	33.4	31.5	29.6	27.8	26.1
-80°	36.0	33.2	30.7	29.7	28.6	27.6	26.6	25.2	23.8	22.6	21.7
-82.5°	26.2	24.2	22.3	21.9	21.5	21.0	20.5	19.8	19.1	18.5	17.9
-85°	19.4	17.9	16.3	16.1	15.9	15.7	15.5	15.2	14.9	14.6	14.3
-87.5°	16.1	14.3	12.4	12.4	12.4	12.5	12.5	12.5	12.4	12.3	12.2
-90°	2.7	3.1	3.5	3.5	3.5	3.5	3.5	3.9	4.4	4.8	5.2



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.8	11.3	10.9	10.4	10.4	10.4	10.4	10.4	10.0	9.6	9.1
87.5°	5.2	5.2	5.2	5.2	5.4	5.6	5.8	5.9	6.1	6.3	6.6
85°	5.4	5.4	5.5	5.5	5.7	6.1	6.4	6.6	6.6	6.6	6.7
82.5°	5.7	6.0	6.3	6.4	6.4	6.5	6.7	6.9	6.9	6.9	6.9
80°	5.7	6.1	6.5	6.9	6.9	6.9	6.8	6.9	6.9	6.9	6.9
77.5°	6.2	6.3	6.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
75°	6.9	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
70°	10.1	7.5	6.9	6.9	6.9	6.9	6.9	7.0	6.9	6.9	6.9
67.5°	15.8	11.9	9.0	7.2	6.9	6.9	6.9	7.1	7.2	6.9	6.9
65°	25.7	17.8	11.9	9.6	7.8	6.9	6.9	7.3	7.5	7.3	6.9
62.5°	32.0	24.6	17.3	12.4	9.4	7.8	6.9	7.4	7.8	7.7	7.2
60°	34.3	27.2	22.1	16.9	12.0	8.8	7.6	7.4	7.8	8.2	7.7
57.5°	31.0	27.9	24.6	20.6	15.6	10.7	8.5	8.0	7.9	8.3	8.2
55°	25.9	24.4	25.9	23.1	18.6	13.5	9.9	8.7	8.2	8.4	8.7
52.5°	19.4	21.8	24.9	24.8	21.1	16.1	12.1	9.4	8.8	8.5	8.9
50°	14.7	18.8	23.6	25.4	23.4	18.6	14.0	10.9	9.4	8.7	9.1
47.5°	13.6	17.2	21.2	25.9	25.2	20.9	15.9	12.2	10.1	9.3	9.3
45°	14.6	17.1	19.9	24.0	26.7	22.3	17.8	13.1	10.9	9.9	9.5
42.5°	16.6	18.5	20.4	22.4	25.2	23.2	19.4	14.5	11.5	10.5	10.0
40°	20.7	20.9	21.6	23.5	24.0	23.7	20.0	15.8	11.9	11.2	10.5
37.5°	25.8	25.1	24.4	26.5	24.6	23.4	20.2	16.9	13.2	12.1	11.0
35°	33.9	30.8	30.2	31.5	28.8	23.9	20.2	17.5	15.0	13.0	11.6
32.5°	43.5	40.8	39.8	37.8	34.6	25.1	20.7	19.0	16.8	14.0	12.1
30°	57.4	59.2	51.8	45.0	41.4	30.5	23.1	20.7	18.7	15.1	12.7
27.5°	85.3	82.8	66.9	55.7	48.2	37.9	28.1	22.8	20.6	16.4	13.5
25°	121.1	111.3	90.0	68.7	55.7	61.0	34.2	25.2	22.3	17.9	14.4
22.5°	168.7	144.3	116.5	82.9	89.7	91.9	47.0	30.0	24.2	19.4	15.3
20°	223.7	181.5	156.4	138.2	131.3	122.5	69.6	35.3	26.1	20.9	16.2
17.5°	293.7	258.9	250.9	209.5	177.7	156.0	96.4	41.0	28.2	22.3	17.1
15°	483.5	382.3	352.2	289.2	227.0	191.9	126.4	46.9	30.3	23.7	17.9
12.5°	722.4	506.3	458.8	375.5	278.5	229.6	158.7	53.1	32.5	25.1	18.6
10°	986.2	630.3	569.2	466.1	331.4	268.3	192.1	60.3	36.1	26.4	19.2
7.5°	1264.0	753.6	681.4	558.6	383.8	305.7	226.8	70.0	40.2	27.8	19.7
5°	1521.4	860.4	774.6	636.5	430.6	340.2	260.2	79.5	44.3	29.0	20.1
2.5°	1667.9	940.9	852.7	708.1	475.8	373.1	290.7	88.6	48.3	30.2	20.5
0°	1786.8	1018.3	926.3	773.7	518.7	404.2	317.4	97.1	52.1	31.2	20.8
-2.5°	1755.7	1006.4	912.6	767.7	532.0	413.6	321.4	112.8	64.4	39.3	24.8
-5°	1694.6	990.9	894.8	755.6	541.7	420.5	321.1	127.4	76.2	47.0	28.7
-7.5°	1577.1	956.2	867.1	737.8	547.7	424.6	317.5	140.8	87.2	54.3	32.3
-10°	1427.1	909.3	827.9	707.6	539.4	423.1	311.2	152.8	97.2	60.8	35.5
-12.5°	1253.0	861.3	789.6	675.2	526.5	417.1	303.1	163.0	106.0	66.4	38.1
-15°	1056.9	812.9	753.6	642.0	511.3	409.6	293.7	171.5	113.5	71.4	40.2
-17.5°	845.2	764.7	721.3	609.1	494.1	400.7	283.8	178.1	119.8	75.9	42.3
-20°	785.2	733.0	690.8	577.6	475.1	390.6	273.9	182.8	124.8	79.3	44.2



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	755.9	715.7	656.4	551.7	457.3	379.7	264.6	185.4	128.4	81.5	45.2
-25°	728.8	699.7	623.7	527.6	442.4	363.5	261.0	185.8	130.4	82.3	45.2
-27.5°	709.3	678.9	591.2	501.7	425.9	349.9	260.2	187.4	131.1	81.8	44.0
-30°	694.3	642.1	560.0	475.9	407.5	331.5	256.8	187.2	130.1	80.3	41.8
-32.5°	681.8	606.9	527.7	453.9	385.9	311.9	245.5	184.9	127.3	77.6	40.3
-35°	649.5	572.6	494.5	429.8	362.7	294.1	230.8	180.6	122.5	73.3	38.6
-37.5°	614.9	537.0	466.6	404.0	338.9	274.3	217.1	167.8	115.7	67.3	36.1
-40°	574.0	501.7	437.5	377.5	315.1	252.7	201.6	153.1	107.3	59.5	32.8
-42.5°	531.1	467.0	406.4	349.9	289.6	233.5	184.1	136.8	93.8	53.4	28.6
-45°	490.0	429.4	372.5	317.7	262.9	212.4	164.4	119.3	78.9	47.7	25.5
-47.5°	445.7	389.1	335.4	283.4	237.1	189.1	143.0	101.5	63.3	40.9	24.5
-50°	398.2	346.0	296.0	250.9	208.1	163.4	120.5	82.8	53.5	32.3	23.3
-52.5°	350.0	301.0	258.4	218.4	177.2	135.9	98.5	63.9	43.3	28.0	21.9
-55°	300.2	259.3	222.3	183.7	144.9	109.4	75.4	51.9	32.6	25.8	20.3
-57.5°	256.5	219.9	183.5	147.3	114.0	82.6	57.8	39.4	28.2	23.5	19.7
-60°	212.9	176.9	142.7	112.8	83.9	60.5	43.3	29.8	25.7	21.4	19.0
-62.5°	163.8	132.8	105.6	79.3	59.7	44.1	30.6	27.1	23.2	20.4	18.1
-65°	118.2	93.4	69.6	55.6	41.4	30.8	27.8	24.4	21.5	19.2	17.2
-67.5°	75.4	61.6	48.0	35.3	30.4	27.7	24.9	22.3	20.0	18.0	16.4
-70°	49.7	37.8	32.0	29.4	26.9	24.6	22.7	20.5	18.5	17.1	15.6
-72.5°	33.7	30.8	28.0	25.7	24.2	22.5	20.5	18.8	17.6	16.3	14.7
-75°	28.5	26.6	25.1	23.8	22.2	20.5	19.1	18.0	16.8	15.5	13.8
-77.5°	24.7	23.6	22.7	21.6	20.1	18.9	18.0	17.3	15.9	14.4	12.9
-80°	21.0	20.3	19.6	18.8	17.9	17.3	16.8	16.1	14.7	13.3	11.9
-82.5°	17.4	17.0	16.6	16.3	16.0	15.6	15.2	14.7	13.5	12.2	11.0
-85°	14.3	14.3	14.3	14.4	14.2	13.9	13.6	13.3	12.3	11.3	10.4
-87.5°	12.3	12.4	12.4	12.4	12.3	12.1	12.0	11.9	11.1	10.4	9.8
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.6	6.1	6.5



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.7	8.3	7.8	7.4	6.9	6.9	6.9
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
75°	6.9	7.0	6.9	6.9	6.9	6.9	6.9
72.5°	7.0	7.2	7.1	6.9	6.9	6.9	6.9
70°	7.1	7.3	7.3	6.9	6.9	6.9	6.9
67.5°	7.1	7.5	7.4	7.1	6.9	6.9	6.9
65°	7.1	7.6	7.6	7.3	6.9	6.9	6.9
62.5°	7.2	7.6	7.8	7.5	6.9	6.9	6.9
60°	7.2	7.6	8.0	7.7	6.9	6.9	6.9
57.5°	7.7	7.7	8.1	7.8	7.0	6.9	6.9
55°	8.1	7.7	8.1	8.0	7.2	6.9	6.9
52.5°	8.5	7.9	8.2	8.2	7.3	6.9	6.9
50°	9.0	8.2	8.2	8.4	7.4	6.9	6.9
47.5°	9.4	8.6	8.3	8.6	7.5	6.9	6.9
45°	9.6	8.9	8.3	8.6	7.6	6.9	6.9
42.5°	9.8	9.2	8.4	8.7	7.8	6.9	6.9
40°	10.1	9.6	8.5	8.7	7.9	6.9	6.9
37.5°	10.4	9.9	8.8	8.8	8.0	6.9	6.9
35°	10.8	10.1	9.0	8.8	8.0	6.9	6.9
32.5°	11.2	10.4	9.3	8.9	8.1	6.9	6.9
30°	11.6	10.7	9.5	9.0	8.2	6.9	6.9
27.5°	12.0	11.0	9.7	9.0	8.3	6.9	6.9
25°	12.4	11.3	9.9	9.1	8.4	6.9	6.9
22.5°	12.8	11.5	10.0	9.3	8.4	6.9	6.9
20°	13.2	11.6	10.1	9.4	8.5	6.9	6.9
17.5°	13.5	11.8	10.2	9.5	8.5	6.9	6.9
15°	13.8	11.9	10.3	9.6	8.6	6.9	6.9
12.5°	14.1	12.0	10.3	9.8	8.6	6.9	6.9
10°	14.5	12.1	10.4	9.9	8.6	6.9	6.9
7.5°	14.8	12.1	10.4	10.0	8.7	6.9	6.9
5°	15.1	12.2	10.4	10.2	8.7	6.9	6.9
2.5°	15.4	12.2	10.4	10.3	8.7	6.9	6.9
0°	15.6	12.2	10.4	10.4	8.7	6.9	6.9
-2.5°	17.0	12.6	10.7	10.5	8.8	6.9	6.9
-5°	18.3	12.9	11.0	10.6	8.8	7.0	6.9
-7.5°	19.4	13.3	11.3	10.7	8.9	7.0	6.9
-10°	20.5	13.6	11.6	10.8	8.9	7.1	6.9
-12.5°	21.3	13.9	11.9	10.9	9.0	7.1	6.9
-15°	22.0	14.1	12.1	10.9	9.0	7.1	6.9
-17.5°	22.4	14.4	12.3	11.0	9.0	7.2	6.9
-20°	22.8	14.6	12.5	11.0	9.1	7.2	6.9



REPORT NUMBER: P574523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.4	14.8	12.7	11.0	9.1	7.2	6.9
-25°	23.5	15.2	12.8	11.0	9.1	7.2	6.9
-27.5°	23.1	15.5	12.9	11.0	9.1	7.3	6.9
-30°	22.2	15.7	13.0	11.0	9.1	7.3	6.9
-32.5°	20.8	15.7	13.1	11.0	9.1	7.3	6.9
-35°	20.3	15.7	13.1	11.0	9.0	7.3	6.9
-37.5°	20.3	15.7	13.1	10.9	9.0	7.3	6.9
-40°	20.1	15.6	13.1	10.9	9.0	7.3	6.9
-42.5°	19.7	15.6	13.0	10.8	8.9	7.3	6.9
-45°	19.1	15.4	12.9	10.7	8.9	7.4	6.9
-47.5°	18.3	15.3	12.8	10.6	8.8	7.3	6.9
-50°	18.0	15.1	12.6	10.5	8.8	7.3	6.9
-52.5°	17.6	14.8	12.4	10.4	8.7	7.3	6.9
-55°	17.2	14.5	12.2	10.3	8.6	7.3	6.9
-57.5°	16.8	14.2	11.9	10.1	8.5	7.3	6.9
-60°	16.2	13.8	11.7	9.9	8.5	7.3	6.9
-62.5°	15.7	13.4	11.4	9.7	8.4	7.3	6.9
-65°	15.1	12.9	11.1	9.5	8.3	7.2	6.9
-67.5°	14.4	12.4	10.7	9.3	8.2	7.2	6.9
-70°	13.7	11.9	10.4	9.1	8.1	7.2	6.9
-72.5°	12.9	11.3	10.0	8.9	7.9	7.2	6.9
-75°	12.1	10.8	9.6	8.7	7.8	7.1	6.9
-77.5°	11.3	10.1	9.3	8.5	7.7	7.1	6.9
-80°	10.5	9.7	9.0	8.3	7.5	7.1	6.9
-82.5°	10.0	9.3	8.7	8.0	7.4	7.0	6.9
-85°	9.6	9.0	8.4	7.8	7.2	7.0	6.9
-87.5°	9.1	8.6	8.1	7.6	7.1	6.9	6.9
-90°	6.9	6.9	6.9	6.9	6.9	6.9	6.9

(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

