

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: P701496 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-80-4S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701496 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-40-80-4S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

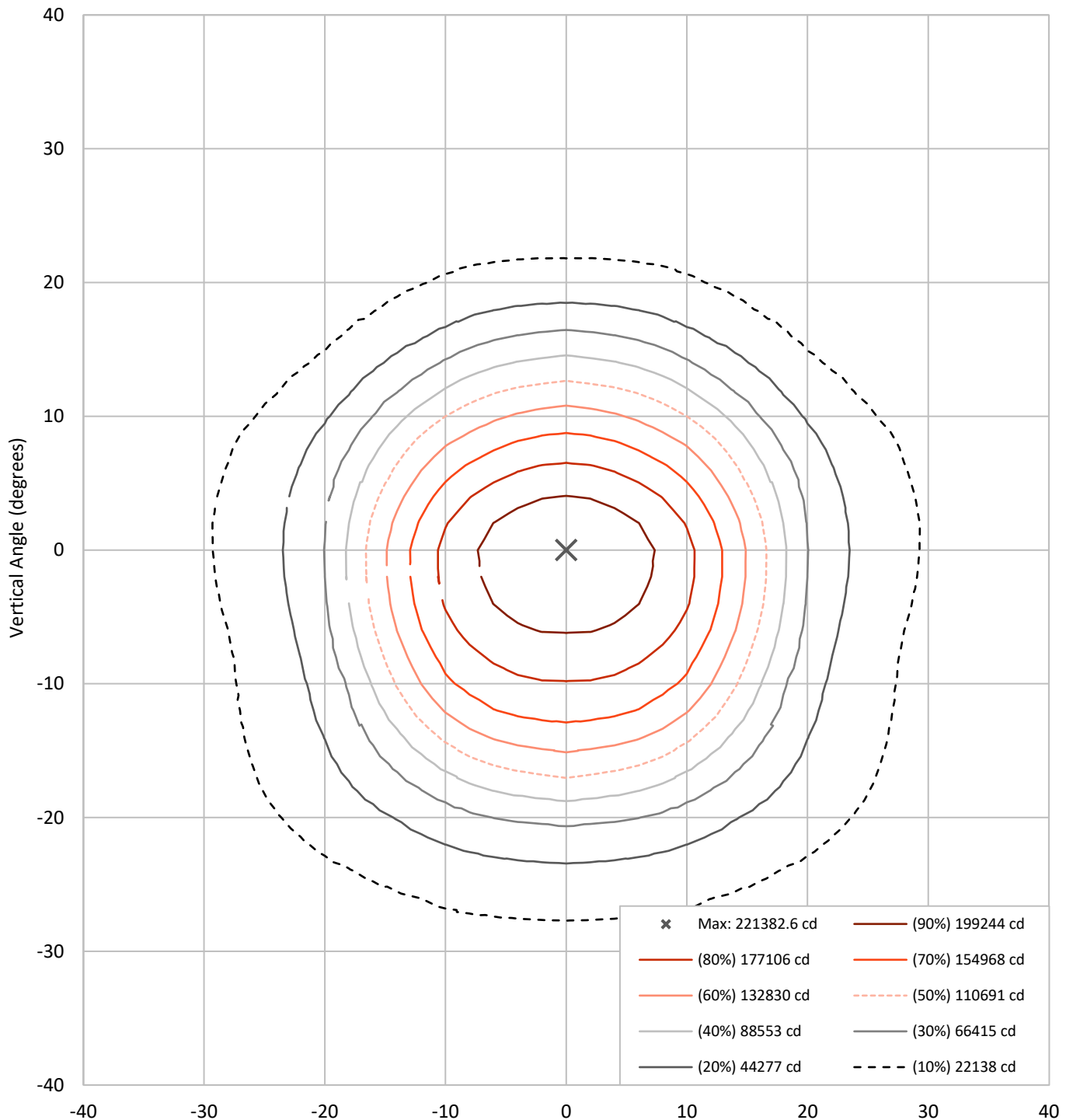
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	70852.5 lumens	Max Intensity:	221382.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	107.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	38879 lumens	Field Lumens:	62292.6 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

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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Iso-Candela Plot





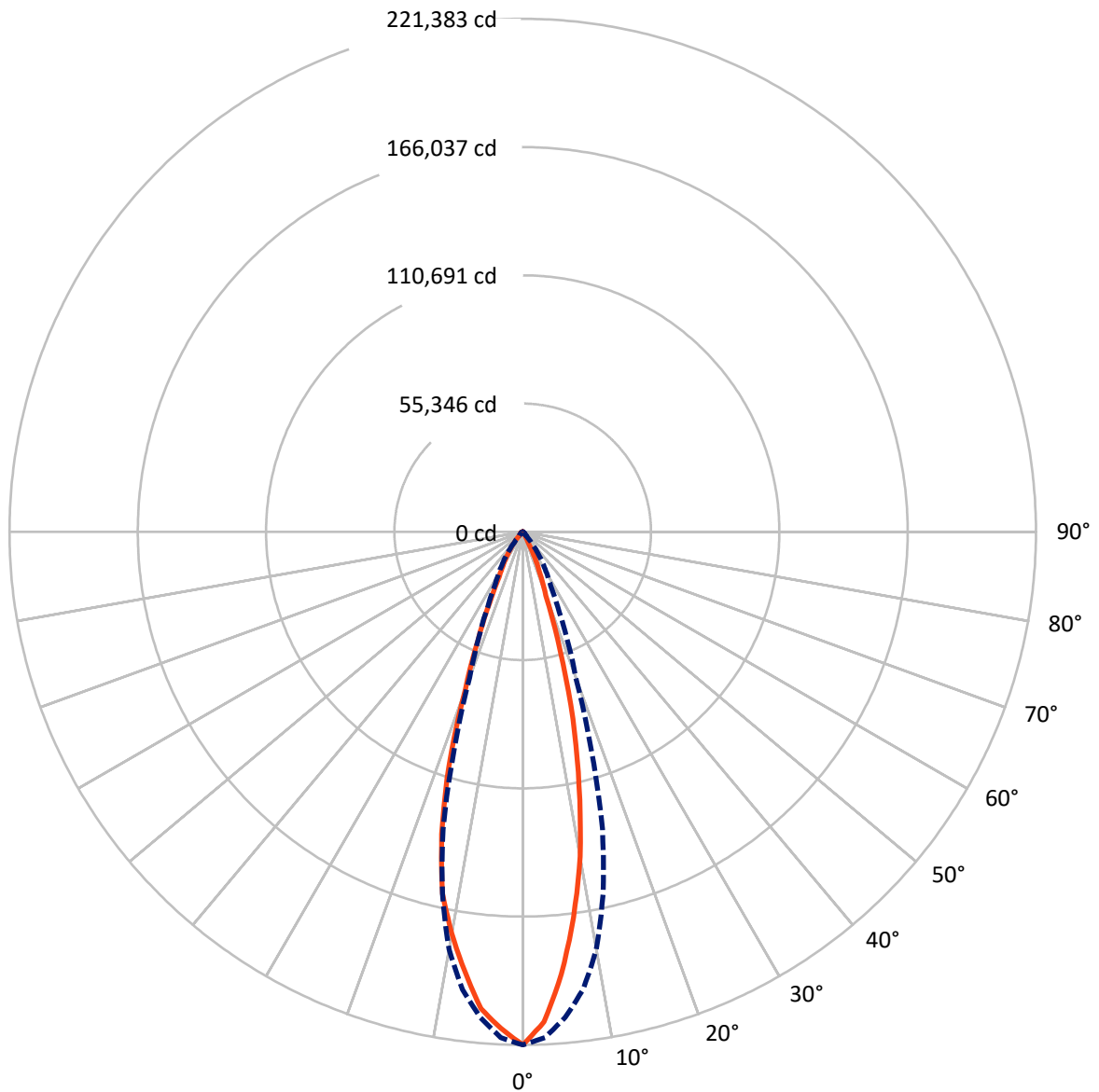
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Lumen Table

90	0.2		0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2	
80	0.2		0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2	
70	0.2	0.1	0.2	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.2	0.1	0.2		
60		0.1	0.3	0.8	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.3	0.1			
50	0.2	0.2	0.4	0.6	0.6	0.8	1.1	1.4	1.4	1.1	0.8	0.6	0.6	0.4	0.2	0.2		
40		0.2	0.8	1.7	2.9	6.7	13.4	18.4	18.4	13.4	6.7	2.9	1.7	0.8	0.2			
30	0.2	0.4	2.6	7.0	26.0	94.5	223.8	378.5	378.5	223.8	94.5	26.0	7.0	2.6	0.4	0.2		
20		0.9	5.8	18.7	114.7	397.2	1218.7	2302.6	2302.6	1218.7	397.2	114.7	18.7	5.8	0.9			
10	0.3	1.6	9.9	35.2	267.2	951.6	3156.5	5333.4	5333.4	3156.5	951.6	267.2	35.2	9.9	1.6	0.3		
0		2.7	13.2	41.7	278.4	981.3	3542.8	5855.4	5855.4	3542.8	981.3	278.4	41.7	13.2	2.7			
-10	0.5	3.2	13.4	36.0	217.3	723.4	2115.8	3696.4	3696.4	2115.8	723.4	217.3	36.0	13.4	3.2	0.5		
-20		2.9	11.6	24.7	93.9	343.3	714.6	1069.5	1069.5	714.6	343.3	93.9	24.7	11.6	2.9			
-30	0.4	2.3	8.8	17.2	32.2	92.7	210.5	297.4	297.4	210.5	92.7	32.2	17.2	8.8	2.3	0.4		
-40		1.4	5.9	13.0	21.2	32.2	47.2	61.8	61.8	47.2	32.2	21.2	13.0	5.9	1.4			
-50	0.2	0.7	3.1	8.6	15.7	22.6	29.1	32.9	32.9	29.1	22.6	15.7	8.6	3.1	0.7	0.2		
-60		0.3	1.2	3.5	7.6	13.1	18.8	22.1	22.1	18.8	13.1	7.6	3.5	1.2	0.3			
-70	0.2	0.7	3.1	8.6	15.7	22.6	29.1	32.9	32.9	29.1	22.6	15.7	8.6	3.1	0.7	0.2		
-80		0.3	1.2	3.5	7.6	13.1	18.8	22.1	22.1	18.8	13.1	7.6	3.5	1.2	0.3			
-90	0.2		0.8		2.8		7.4		10.5		7.4		2.8		0.8		0.2	

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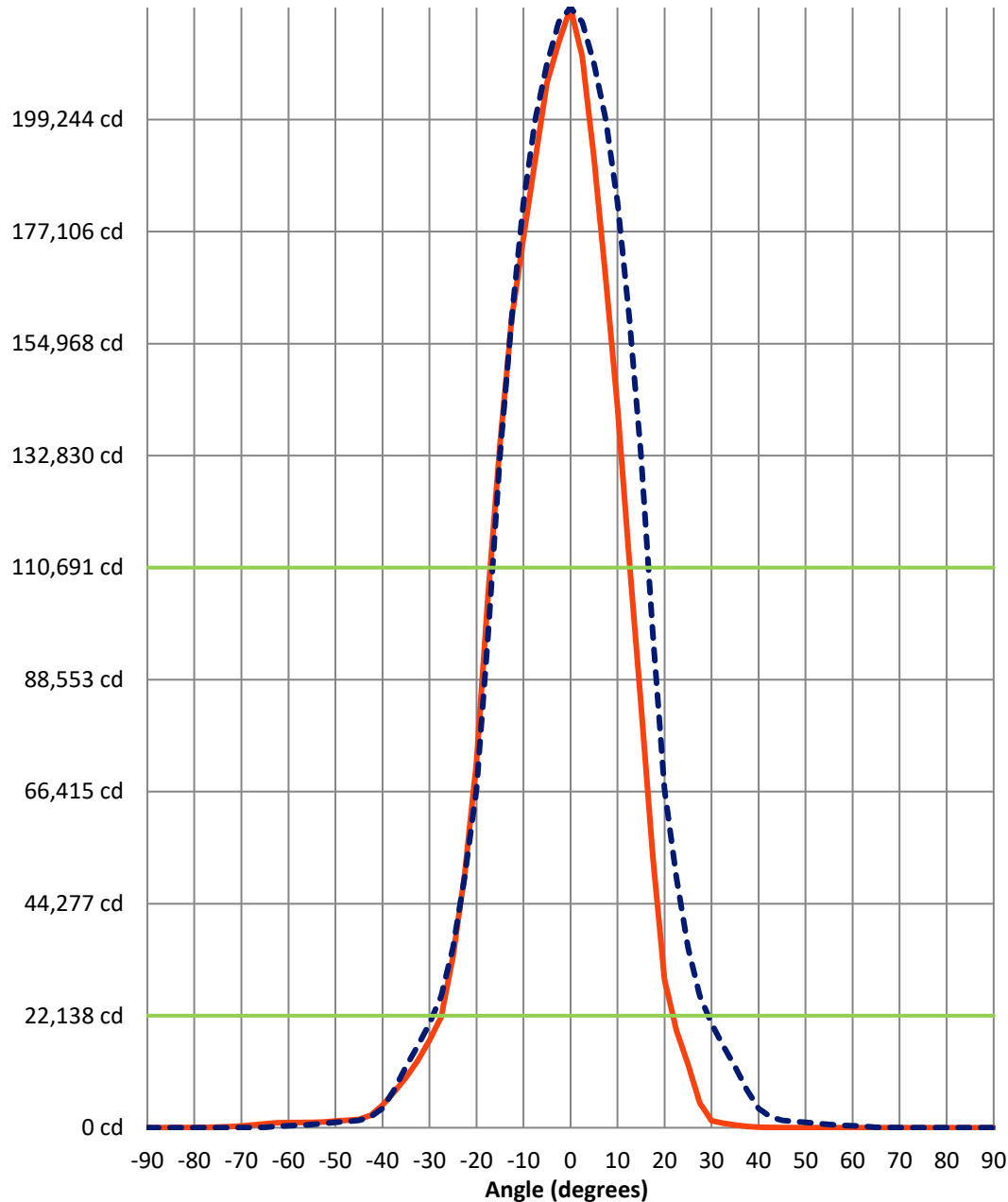
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.2°
 V Angle: 29.7°
 Lumens: 38879
 Efficiency: 54.9%

Field:
 H Angle: 58.6°
 V Angle: 49.3°
 Lumens: 62292.6
 Efficiency: 87.9%

Spill:
 Lumens: 8559.9
 Efficiency: 12.1%

— 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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.9	8.1	8.2	8.1	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.9	8.4	8.6	8.6	8.3	7.9
75°	7.8	7.8	7.8	7.8	7.9	8.4	8.9	9.1	8.9	8.4	8.0
72.5°	7.8	7.8	7.8	7.8	8.2	8.8	9.4	9.5	9.0	8.5	8.0
70°	7.8	7.8	7.8	7.8	8.5	9.2	9.8	9.5	9.0	8.6	8.6
67.5°	7.8	7.8	7.8	8.1	8.8	9.6	9.8	9.6	9.1	9.0	9.3
65°	7.8	7.8	7.8	8.3	9.2	9.8	9.8	9.6	9.4	9.5	9.8
62.5°	7.8	7.8	7.8	8.6	9.5	9.8	9.8	9.7	9.6	9.8	9.8
60°	7.8	7.8	7.8	8.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
57.5°	7.8	7.8	7.9	9.0	9.8	9.8	9.8	9.8	9.8	9.8	9.8
55°	7.8	7.8	8.1	9.2	9.8	9.8	9.8	9.8	9.8	9.8	9.8
52.5°	7.8	7.8	8.2	9.4	9.8	9.8	9.8	9.8	9.8	9.8	9.8
50°	7.8	7.8	8.4	9.7	9.8	9.8	9.8	9.8	9.8	9.8	10.7
47.5°	7.8	7.8	8.5	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.5
45°	7.8	7.8	8.6	9.8	9.8	9.8	9.8	9.8	9.9	10.4	12.2
42.5°	7.8	7.8	8.7	9.8	9.8	9.8	9.8	9.9	10.0	10.9	12.7
40°	7.8	7.8	8.9	9.8	9.8	9.8	9.8	10.0	10.3	11.4	13.1
37.5°	7.8	7.8	9.0	9.8	9.8	9.8	9.8	10.2	10.8	12.0	13.5
35°	7.8	7.8	9.1	9.8	9.8	9.8	9.8	10.4	11.4	12.6	13.9
32.5°	7.8	7.8	9.2	9.8	9.8	9.8	9.9	10.7	11.9	13.2	14.8
30°	7.8	7.8	9.3	9.8	9.8	9.8	10.1	11.0	12.4	13.8	16.0
27.5°	7.8	7.8	9.3	9.8	9.8	9.8	10.3	11.4	12.9	14.4	17.6
25°	7.8	7.8	9.4	9.8	9.8	9.8	10.5	11.9	13.4	15.4	19.5
22.5°	7.8	7.8	9.5	9.8	9.8	9.8	10.7	12.2	13.8	16.7	23.6
20°	7.8	7.8	9.6	9.8	9.8	10.0	11.0	12.6	14.2	18.2	27.7
17.5°	7.8	7.8	9.6	9.8	9.8	10.1	11.2	13.0	14.6	19.8	31.9
15°	7.8	7.8	9.7	9.8	9.8	10.3	11.4	13.3	15.0	21.4	36.1
12.5°	7.8	7.8	9.7	9.8	9.8	10.6	11.5	13.7	16.0	23.1	40.2
10°	7.8	7.8	9.7	9.8	9.8	10.8	11.6	14.1	17.8	26.9	45.8
7.5°	7.8	7.8	9.8	9.8	9.8	11.0	11.7	14.5	19.7	31.1	55.1
5°	7.8	7.8	9.8	9.8	9.8	11.3	11.7	14.9	21.6	35.2	64.4
2.5°	7.8	7.8	9.8	9.8	9.8	11.5	11.7	15.3	23.6	39.2	73.5
0°	7.8	7.8	9.8	9.8	9.8	11.7	11.7	15.6	25.4	43.0	82.0
-2.5°	7.8	7.8	9.8	9.8	9.8	11.7	12.7	18.6	32.7	56.9	106.1
-5°	7.8	7.8	9.8	9.8	9.8	11.7	13.7	21.5	39.7	70.2	128.8
-7.5°	7.8	7.8	9.8	9.8	9.8	11.6	14.7	24.2	46.2	82.5	149.5
-10°	7.8	7.8	9.7	9.8	9.8	11.6	15.5	26.6	51.8	93.4	167.7
-12.5°	7.8	7.8	9.7	9.8	9.8	11.5	16.1	28.6	56.6	102.7	179.7
-15°	7.8	7.8	9.7	9.8	9.8	11.4	16.6	30.2	60.5	109.8	187.6
-17.5°	7.8	7.8	9.6	9.8	9.8	11.3	16.8	31.8	63.8	115.1	192.8
-20°	7.8	7.8	9.6	9.8	9.8	11.1	17.2	33.4	65.7	118.4	195.3



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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	7.8	9.5	9.8	9.8	11.0	17.9	34.5	66.1	119.4	194.8
-25°	7.8	7.8	9.4	9.8	9.8	11.1	18.2	34.8	64.9	118.2	191.3
-27.5°	7.8	7.8	9.3	9.8	9.8	11.3	18.2	34.5	62.2	115.4	189.3
-30°	7.8	7.8	9.3	9.8	9.8	11.3	17.6	33.5	60.3	112.1	184.4
-32.5°	7.8	7.8	9.2	9.8	9.9	11.3	16.7	32.7	59.0	106.4	176.1
-35°	7.8	7.8	9.1	9.8	10.0	11.0	16.2	31.6	56.7	98.4	164.5
-37.5°	7.8	7.8	9.0	9.8	10.1	10.8	16.0	29.8	53.4	88.0	146.5
-40°	7.8	7.8	8.9	9.8	10.1	10.9	15.4	27.2	49.0	81.1	129.0
-42.5°	7.8	7.8	8.7	9.8	10.1	10.9	14.7	24.0	44.8	73.4	110.5
-45°	7.8	7.8	8.6	9.9	10.2	11.0	13.7	21.2	40.3	64.8	92.6
-47.5°	7.8	7.8	8.5	9.9	10.3	10.9	12.4	19.7	34.8	55.6	82.3
-50°	7.8	7.8	8.4	9.8	10.3	10.9	12.2	17.9	28.1	47.8	71.3
-52.5°	7.8	7.8	8.2	9.6	10.4	10.8	12.0	15.7	23.9	39.5	59.8
-55°	7.8	7.8	8.1	9.5	10.4	10.8	11.8	13.4	20.6	30.5	49.5
-57.5°	7.8	7.8	7.9	9.3	10.5	10.9	11.6	13.1	17.1	25.1	38.5
-60°	7.8	7.8	7.8	9.1	10.5	10.9	11.3	12.7	14.1	20.6	28.9
-62.5°	7.8	7.8	7.8	8.9	10.2	11.0	11.4	12.2	13.5	15.7	23.2
-65°	7.8	7.8	7.8	8.7	10.0	11.0	11.4	11.9	13.0	14.2	17.1
-67.5°	7.8	7.8	7.8	8.5	9.7	10.9	11.5	11.9	12.4	13.6	14.7
-70°	7.8	7.8	7.8	8.3	9.4	10.5	11.5	11.8	12.2	13.0	14.1
-72.5°	7.8	7.8	7.8	8.2	9.1	10.1	11.2	11.7	12.0	12.5	13.4
-75°	7.8	7.8	7.8	8.1	8.8	9.8	10.7	11.3	11.7	12.1	12.6
-77.5°	7.8	7.8	7.8	8.1	8.6	9.4	10.3	10.7	11.1	11.5	11.9
-80°	7.8	7.8	7.8	8.0	8.5	9.1	9.8	10.2	10.5	10.8	11.1
-82.5°	7.8	7.8	7.8	8.0	8.3	8.8	9.3	9.6	9.8	10.1	10.3
-85°	7.8	7.8	7.8	7.9	8.1	8.4	8.8	9.0	9.2	9.3	9.5
-87.5°	7.8	7.8	7.8	7.9	8.0	8.1	8.3	8.4	8.5	8.6	8.6
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.3	6.9	6.4
87.5°	7.3	6.9	6.4	5.9	5.9	5.9	5.9	5.9	5.4	4.9	4.4
85°	7.3	6.9	6.5	6.2	6.2	6.2	6.1	5.9	5.6	5.4	5.3
82.5°	7.5	7.3	7.3	7.3	7.1	6.8	6.4	5.9	5.9	5.9	5.9
80°	7.7	7.8	7.8	7.8	7.4	6.9	6.5	6.0	5.9	6.0	6.0
77.5°	7.8	7.8	7.8	7.8	7.5	7.1	7.0	7.0	6.9	6.8	6.5
75°	7.8	7.8	7.9	7.9	7.7	7.7	7.8	7.8	7.5	7.0	6.6
72.5°	8.1	8.4	8.3	8.0	7.8	7.8	7.8	7.8	8.0	8.1	8.0
70°	8.9	9.0	8.6	8.1	7.8	8.1	9.1	10.1	10.8	10.9	11.2
67.5°	9.7	9.2	8.7	8.4	9.3	10.5	11.7	13.2	14.9	15.5	16.3
65°	9.7	9.3	9.3	10.1	11.5	13.0	14.8	16.8	21.0	23.6	24.8
62.5°	9.8	9.7	10.2	11.7	13.6	15.5	18.6	23.3	29.6	34.1	34.3
60°	9.8	10.0	11.4	13.6	15.7	18.2	22.8	30.0	39.6	46.8	42.7
57.5°	9.8	10.9	13.2	15.3	17.4	20.3	27.3	36.6	46.4	56.7	48.5
55°	10.3	12.5	14.6	16.6	19.2	23.0	30.3	39.0	49.8	52.8	43.4
52.5°	11.6	13.8	15.5	17.8	21.2	24.8	29.8	37.5	41.0	41.8	36.1
50°	12.7	14.4	16.2	19.0	22.5	25.4	26.9	31.6	32.9	31.2	28.1
47.5°	13.4	15.0	16.7	19.8	23.3	25.8	25.9	26.1	25.6	25.2	20.7
45°	14.0	15.6	17.3	20.7	24.4	26.7	25.4	21.8	24.7	23.9	22.8
42.5°	14.5	16.2	19.0	21.7	26.5	28.0	25.9	26.9	27.6	28.9	29.3
40°	14.9	16.7	21.4	26.6	29.4	30.0	33.2	35.7	34.6	37.9	39.8
37.5°	15.3	19.4	25.9	35.6	32.5	36.7	42.8	52.5	52.9	49.8	57.3
35°	15.7	22.4	36.8	47.3	44.7	47.4	63.4	76.2	80.0	75.8	80.6
32.5°	17.6	25.8	50.6	61.5	67.7	71.0	89.2	108.5	122.9	125.8	114.0
30°	21.2	38.3	66.4	78.7	96.8	114.3	127.0	150.3	180.1	203.4	213.0
27.5°	25.9	53.6	82.9	105.1	132.7	162.6	184.5	213.6	262.1	303.9	338.2
25°	30.9	74.5	101.3	137.3	178.4	217.1	250.9	299.3	363.7	432.9	553.2
22.5°	42.0	98.2	129.1	172.9	227.2	275.7	331.8	400.8	483.2	578.2	801.3
20°	60.2	121.6	162.4	212.7	279.6	337.1	416.3	504.3	616.7	819.2	1198.1
17.5°	79.5	146.7	196.7	259.7	342.7	415.4	504.2	607.2	755.9	1080.0	1826.2
15°	99.6	173.1	229.3	309.5	411.8	515.4	622.7	734.7	947.6	1449.0	2626.1
12.5°	120.0	200.3	260.3	361.0	484.9	619.8	747.7	890.3	1198.1	2083.3	3811.0
10°	140.0	227.6	289.6	413.0	560.4	726.6	871.8	1039.6	1458.5	2657.9	4870.6
7.5°	172.9	263.2	320.9	464.2	636.2	833.3	993.5	1181.9	1713.0	3158.7	5846.6
5°	207.7	306.8	370.8	526.9	711.2	928.4	1103.5	1316.0	1953.8	3579.9	6762.0
2.5°	241.0	348.8	419.6	587.1	781.4	1002.4	1173.3	1391.1	2082.6	3776.9	7327.4
0°	271.4	388.5	466.6	642.3	845.4	1067.9	1235.8	1456.4	2161.2	3814.8	7508.6
-2.5°	308.2	432.1	515.2	686.2	880.4	1106.4	1275.4	1506.1	2242.5	4028.1	7541.4
-5°	339.8	472.4	561.5	725.3	909.7	1136.4	1308.5	1544.8	2280.4	4125.2	7382.8
-7.5°	365.4	509.3	605.4	756.3	924.9	1142.4	1320.7	1551.2	2253.9	4075.2	7058.4
-10°	380.8	524.8	616.0	755.8	919.9	1129.8	1320.8	1545.6	2177.8	3867.8	6602.7
-12.5°	369.6	520.6	617.9	750.1	910.6	1108.4	1311.4	1527.8	2048.2	3484.8	6069.5
-15°	355.8	513.6	616.6	739.1	897.1	1078.4	1291.9	1497.7	1846.1	2890.9	5411.1
-17.5°	340.0	504.1	611.9	722.8	880.0	1039.8	1252.3	1419.1	1637.1	2463.1	4652.0
-20°	322.8	492.0	603.6	701.2	859.1	984.1	1158.9	1330.7	1529.5	2094.6	3630.9



REPORT NUMBER: P701496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	304.8	477.6	589.8	687.2	805.9	920.0	1060.7	1229.0	1411.2	1636.7	2544.8
-25°	294.4	450.7	570.1	654.6	748.3	854.5	959.8	1115.2	1287.7	1469.3	1947.3
-27.5°	288.9	424.6	537.7	622.1	692.9	789.1	878.6	1002.6	1162.6	1317.8	1469.3
-30°	279.5	387.6	504.7	588.5	652.6	728.4	805.5	906.2	1048.1	1184.4	1310.0
-32.5°	259.3	350.1	464.1	551.0	617.0	672.2	748.4	838.3	947.5	1065.9	1167.0
-35°	234.6	320.4	420.4	513.6	581.9	634.2	702.8	778.3	858.6	961.2	1082.1
-37.5°	211.6	288.3	376.8	471.7	541.6	605.3	658.0	725.9	795.2	871.2	992.1
-40°	186.9	253.6	337.4	424.6	505.6	571.6	626.4	677.2	737.7	813.7	894.5
-42.5°	161.3	224.5	297.0	378.5	459.8	531.0	593.1	640.0	691.7	757.1	829.0
-45°	140.0	193.7	255.7	332.8	409.5	484.4	547.8	607.0	656.5	704.7	766.8
-47.5°	117.8	163.5	220.6	286.3	359.1	429.4	498.1	563.4	626.4	671.4	709.4
-50°	97.5	138.4	184.9	245.2	308.8	374.6	438.9	515.4	582.1	638.9	683.2
-52.5°	84.5	112.5	155.2	204.8	261.9	321.2	384.7	455.0	527.3	594.8	646.6
-55°	70.8	94.9	125.1	168.0	216.4	270.2	329.6	394.1	459.9	527.7	594.0
-57.5°	57.6	79.0	102.1	131.9	173.9	219.9	274.3	331.6	392.2	453.7	515.0
-60°	44.3	63.1	83.8	105.7	131.4	172.7	217.7	268.1	322.0	377.2	432.5
-62.5°	31.7	47.0	65.2	85.0	105.4	127.8	164.2	206.1	249.5	295.4	343.5
-65°	24.6	32.6	46.1	63.4	82.0	101.6	123.3	146.9	183.1	218.6	252.5
-67.5°	17.3	24.7	31.9	40.9	56.7	73.6	91.8	111.4	132.5	153.2	177.5
-70°	15.4	17.5	23.2	29.7	35.9	44.2	59.0	74.9	91.2	106.9	124.2
-72.5°	14.4	16.0	18.1	20.6	25.8	31.0	36.0	40.9	50.5	63.4	76.1
-75°	13.4	14.4	15.9	17.7	19.8	21.9	24.5	28.8	32.9	36.7	40.6
-77.5°	12.4	13.1	13.9	14.9	16.1	17.8	19.6	21.5	23.1	24.6	26.3
-80°	11.4	11.7	12.2	12.8	13.5	14.4	15.4	16.5	17.3	18.1	19.1
-82.5°	10.5	10.7	11.0	11.2	11.3	11.5	11.8	12.4	12.9	13.4	13.9
-85°	9.6	9.8	9.9	10.1	9.8	9.6	9.5	9.4	9.6	9.9	10.1
-87.5°	8.7	8.8	8.9	8.9	8.7	8.4	8.1	7.8	7.7	7.6	7.5
-90°	7.3	6.9	6.4	5.9	5.9	5.9	5.9	5.9	5.4	4.9	4.4



REPORT NUMBER: P701496 (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°	5.9	5.9	5.9	5.9	5.9	6.9	7.9	8.8	9.8	10.8	11.8
87.5°	3.9	3.9	3.9	3.9	3.9	3.4	3.0	2.5	2.0	2.0	2.0
85°	5.2	4.9	4.6	4.3	3.9	3.8	3.8	3.8	3.8	3.4	2.9
82.5°	5.9	5.4	4.9	4.4	3.9	3.9	3.9	3.9	3.9	3.4	3.0
80°	5.9	5.5	5.0	4.5	4.0	3.9	3.9	3.9	3.9	3.5	3.0
77.5°	6.0	5.6	5.3	5.1	5.0	4.9	4.7	4.3	4.0	3.5	3.0
75°	6.1	6.0	6.1	6.1	6.0	5.5	5.0	4.5	4.0	3.8	3.8
72.5°	7.7	7.4	7.3	7.5	7.4	7.2	6.8	6.3	5.6	5.6	5.7
70°	11.5	11.7	11.8	11.6	11.0	10.0	9.3	8.5	7.6	7.4	7.6
67.5°	17.3	17.6	17.0	15.7	13.7	11.9	11.2	10.4	9.6	9.4	9.5
65°	24.9	23.0	21.1	18.8	16.3	13.5	12.7	12.0	11.4	11.4	12.1
62.5°	32.2	26.2	21.1	17.9	15.5	13.5	12.6	11.7	10.9	10.5	10.9
60°	35.4	25.1	18.2	16.2	14.1	12.0	10.9	10.0	9.1	8.6	8.9
57.5°	35.5	24.6	16.9	14.4	12.3	10.5	9.5	8.9	8.3	7.9	8.4
55°	31.6	21.8	14.4	12.4	11.1	10.2	9.7	9.5	9.3	9.1	9.5
52.5°	25.4	18.3	13.3	11.5	11.6	11.6	11.6	11.6	11.8	12.1	12.7
50°	20.2	15.5	14.1	13.3	13.8	13.9	13.6	14.4	15.4	16.0	16.5
47.5°	18.5	17.0	17.1	16.7	17.4	18.7	19.0	19.6	21.1	22.1	22.7
45°	20.6	22.0	23.0	24.6	25.5	27.8	28.5	28.6	31.8	34.0	35.2
42.5°	28.7	31.2	34.3	37.4	38.9	41.8	44.7	46.3	51.2	55.0	56.6
40°	43.4	44.9	51.3	55.3	58.2	61.7	70.8	76.8	86.2	103.7	116.5
37.5°	63.8	68.5	72.3	77.9	90.2	96.2	125.1	151.4	169.3	212.9	237.6
35°	93.5	106.3	101.9	126.9	157.8	196.6	238.9	301.8	351.6	410.6	465.1
32.5°	146.5	177.9	208.2	237.2	306.7	418.1	421.1	538.9	617.8	713.4	797.5
30°	231.8	342.7	482.2	528.4	724.0	942.6	881.9	1062.6	1241.7	1348.2	1715.9
27.5°	457.5	707.3	984.6	1336.9	1701.3	2077.1	2325.9	2413.0	3318.9	3985.0	4852.1
25°	782.7	1221.2	1995.7	2566.2	3206.0	4040.5	4522.5	5171.4	6682.6	8565.7	10028.4
22.5°	1247.4	2013.6	3036.8	3900.1	4859.1	5983.7	7000.9	8556.6	10906.5	13476.9	15663.6
20°	1768.2	2756.0	4052.5	5345.9	6603.1	8068.7	9838.4	13015.3	16646.2	20675.4	24318.0
17.5°	2729.0	3700.3	5360.6	7128.9	8915.1	10680.5	14572.1	19277.1	24960.9	30931.3	36234.0
15°	4102.0	5674.1	7320.9	9659.0	12632.1	16024.6	20953.2	29205.5	38033.0	47350.6	58458.6
12.5°	5893.8	8172.9	10643.2	13350.3	17381.4	23574.3	31750.4	41823.0	54458.5	68437.3	84243.6
10°	7722.3	11009.2	14411.2	18277.4	23590.3	31567.3	42126.0	54738.0	74609.1	94194.7	110691.4
7.5°	9208.9	13039.5	17331.7	22467.6	29392.3	39111.9	52160.1	70387.5	94084.9	117388.3	135843.3
5°	10603.8	14811.7	19280.0	24527.5	32875.9	44596.7	60310.7	83051.8	111401.8	136185.4	155960.8
2.5°	11615.5	16035.7	20658.4	25997.7	35515.6	47931.0	65183.0	93391.9	126022.7	151414.9	174089.6
0°	12063.3	16153.4	20575.4	26053.6	35602.4	49631.7	66872.6	97758.2	132790.5	160088.7	182865.4
-2.5°	11508.1	15478.9	20042.1	25393.9	34965.9	48443.0	66252.3	97266.5	132419.3	160104.0	182559.8
-5°	10920.6	14685.0	18921.0	23868.0	32596.3	45127.6	63298.0	92930.9	126663.9	154496.6	176402.0
-7.5°	10294.3	13739.6	17529.4	21967.9	29711.3	41770.1	58642.4	83652.7	115183.9	143522.5	164124.5
-10°	9578.3	12714.7	16700.1	21404.3	28145.3	38627.6	52580.9	72617.3	102150.4	128479.8	151099.5
-12.5°	9157.8	12503.3	16485.8	20806.7	26244.3	35482.0	48177.6	65268.9	85485.2	109942.5	130069.5
-15°	8617.5	12003.9	15953.5	20007.3	25040.6	32253.1	42276.8	54830.4	70213.1	86694.4	104559.2
-17.5°	7729.1	11113.6	14294.2	18098.8	22879.5	28577.9	35781.2	45523.6	55730.1	67407.8	78096.2
-20°	6266.1	9000.0	12007.9	15592.7	19702.3	24020.5	28830.9	35469.1	41943.4	50118.9	56682.2



REPORT NUMBER: P701496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4508.2	6819.0	9425.1	12387.6	15642.1	19339.1	22962.8	26465.9	30903.1	36078.1	41351.5
-25°	2936.1	4645.7	6902.3	9330.4	11603.3	14557.8	17161.3	19253.4	22245.5	24587.1	27782.9
-27.5°	2033.1	3144.3	4825.3	6759.9	8552.8	10443.9	12563.3	13991.7	16322.5	17589.2	19548.2
-30°	1487.7	2111.3	3320.3	4767.3	6329.2	7938.9	9452.0	11022.4	12643.8	14077.6	15164.7
-32.5°	1319.3	1564.2	2160.5	3201.9	4424.1	5773.8	7055.1	8424.2	9715.8	10827.2	11724.1
-35°	1204.9	1342.3	1529.6	2080.3	2809.6	3863.5	4871.4	5979.6	7017.1	7876.2	8596.3
-37.5°	1114.3	1224.4	1342.2	1463.1	1872.5	2333.7	3050.2	3820.4	4486.1	5246.8	5834.3
-40°	1011.5	1129.0	1223.4	1319.9	1428.4	1544.2	1932.0	2276.8	2653.0	3166.5	3586.1
-42.5°	905.4	1007.7	1114.0	1203.8	1285.7	1372.2	1459.4	1536.6	1727.6	1954.0	2125.8
-45°	832.1	904.3	982.3	1077.4	1165.6	1240.6	1311.1	1378.6	1448.0	1512.0	1565.2
-47.5°	767.3	825.8	890.0	955.4	1021.7	1098.8	1171.1	1239.7	1299.8	1354.4	1398.4
-50°	720.1	760.6	814.0	865.6	922.3	976.0	1024.0	1080.3	1141.9	1197.8	1242.5
-52.5°	696.2	731.6	762.2	799.2	850.4	895.5	935.0	979.6	1022.3	1061.6	1090.3
-55°	649.3	695.6	740.3	781.9	817.2	849.4	883.7	927.4	965.0	997.3	1015.1
-57.5°	575.7	635.2	691.5	744.2	793.9	840.6	879.4	914.1	948.9	982.0	997.2
-60°	488.7	545.5	604.3	667.8	731.9	795.7	842.7	887.5	929.7	965.2	984.0
-62.5°	395.2	446.9	499.6	556.8	617.7	677.4	728.7	782.2	837.0	884.1	914.3
-65°	288.9	333.0	380.2	427.1	473.4	521.2	566.9	611.9	655.6	691.0	715.7
-67.5°	207.1	235.6	264.7	294.8	330.7	367.6	401.4	434.1	465.3	490.3	508.8
-70°	142.4	160.8	177.9	197.1	220.0	242.4	263.3	283.1	301.6	317.4	330.5
-72.5°	88.6	100.6	112.5	126.0	139.1	151.6	163.3	174.4	184.6	193.9	202.3
-75°	44.5	50.2	59.6	68.6	77.1	85.8	93.9	101.1	107.3	112.5	116.9
-77.5°	28.8	32.4	35.9	39.2	42.2	46.3	50.8	55.4	59.9	63.6	67.0
-80°	20.2	22.1	24.3	26.4	28.6	31.2	33.8	36.4	38.9	40.6	42.1
-82.5°	14.4	15.5	16.7	18.0	19.2	21.1	22.9	24.7	26.4	27.7	28.9
-85°	10.3	10.8	11.4	12.0	12.6	14.2	15.9	17.5	19.1	20.2	21.2
-87.5°	7.5	7.5	7.5	7.6	7.6	9.1	10.6	12.1	13.6	14.1	14.6
-90°	3.9	3.9	3.9	3.9	3.9	3.4	3.0	2.5	2.0	2.0	2.0



REPORT NUMBER: P701496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	12.7	13.7	13.7	13.7	13.7	13.7	12.7	11.8	10.8	9.8	8.8
87.5°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	2.9	3.4	3.8	3.8
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.4	3.9	3.9
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	3.9	3.9
77.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.3
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.0	4.5
72.5°	5.8	5.8	5.9	5.9	5.9	5.8	5.8	5.7	5.6	5.6	6.3
70°	7.7	7.7	6.9	5.9	6.9	7.7	7.7	7.6	7.4	7.6	8.5
67.5°	9.6	9.7	10.6	11.7	10.6	9.7	9.6	9.5	9.4	9.6	10.4
65°	12.8	13.4	12.8	11.7	12.8	13.4	12.8	12.1	11.4	11.4	12.0
62.5°	11.2	11.7	10.9	9.8	10.9	11.7	11.2	10.9	10.5	10.9	11.7
60°	9.3	9.7	9.8	9.8	9.8	9.7	9.3	8.9	8.6	9.1	10.0
57.5°	9.0	9.6	9.8	9.8	9.8	9.6	9.0	8.4	7.9	8.3	8.9
55°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.5	9.1	9.3	9.5
52.5°	13.1	13.4	13.6	13.7	13.6	13.4	13.1	12.7	12.1	11.8	11.6
50°	17.0	17.3	17.5	17.6	17.5	17.3	17.0	16.5	16.0	15.4	14.4
47.5°	23.2	23.3	23.3	23.4	23.3	23.3	23.2	22.7	22.1	21.1	19.6
45°	35.7	35.2	34.8	35.1	34.8	35.2	35.7	35.2	34.0	31.8	28.6
42.5°	58.1	58.2	58.0	58.6	58.0	58.2	58.1	56.6	55.0	51.2	46.3
40°	119.9	115.7	109.5	109.3	109.5	115.7	119.9	116.5	103.7	86.2	76.8
37.5°	249.7	254.1	253.5	257.7	253.5	254.1	249.7	237.6	212.9	169.3	151.4
35°	506.5	529.2	534.3	533.0	534.3	529.2	506.5	465.1	410.6	351.6	301.8
32.5°	834.2	864.3	872.8	884.4	872.8	864.3	834.2	797.5	713.4	617.8	538.9
30°	1466.5	1507.1	1468.5	1390.0	1468.5	1507.1	1466.5	1715.9	1348.2	1241.7	1062.6
27.5°	5313.9	5508.8	5070.2	4910.1	5070.2	5508.8	5313.9	4852.1	3985.0	3318.9	2413.0
25°	10829.6	11691.6	12575.1	12496.8	12575.1	11691.6	10829.6	10028.4	8565.7	6682.6	5171.4
22.5°	17477.6	18351.1	19079.1	19329.9	19079.1	18351.1	17477.6	15663.6	13476.9	10906.5	8556.6
20°	27683.1	29384.3	30602.3	29304.2	30602.3	29384.3	27683.1	24318.0	20675.4	16646.2	13015.3
17.5°	44249.9	49372.5	52033.5	53714.0	52033.5	49372.5	44249.9	36234.0	30931.3	24960.9	19277.1
15°	68690.3	76415.6	80695.6	83529.7	80695.6	76415.6	68690.3	58458.6	47350.6	38033.0	29205.5
12.5°	96876.2	105299.1	109081.8	112169.2	109081.8	105299.1	96876.2	84243.6	68437.3	54458.5	41823.0
10°	123670.6	132770.4	139070.8	142345.1	139070.8	132770.4	123670.6	110691.4	94194.7	74609.1	54738.0
7.5°	148220.9	159352.4	165745.8	167780.9	165745.8	159352.4	148220.9	135843.3	117388.3	94084.9	70387.5
5°	172234.2	182166.1	189854.7	191598.1	189854.7	182166.1	172234.2	155960.8	136185.4	111401.8	83051.8
2.5°	190723.5	202626.5	209529.4	211616.2	209529.4	202626.5	190723.5	174089.6	151414.9	126022.7	93391.9
0°	199196.5	210277.8	218451.2	221382.6	218451.2	210277.8	199196.5	182865.4	160088.7	132790.5	97758.2
-2.5°	197424.2	207636.3	213486.9	214494.8	213486.9	207636.3	197424.2	182559.8	160104.0	132419.3	97266.5
-5°	191191.1	200574.0	206352.4	206517.7	206352.4	200574.0	191191.1	176402.0	154496.6	126663.9	92930.9
-7.5°	177499.9	186273.9	190302.4	191314.1	190302.4	186273.9	177499.9	164124.5	143522.5	115183.9	83652.7
-10°	163564.7	171704.7	175511.5	175932.7	175511.5	171704.7	163564.7	151099.5	128479.8	102150.4	72617.3
-12.5°	145514.2	154224.1	158025.0	159812.5	158025.0	154224.1	145514.2	130069.5	109942.5	85485.2	65268.9
-15°	118653.0	127075.4	131635.4	135002.5	131635.4	127075.4	118653.0	104559.2	86694.4	70213.1	54830.4
-17.5°	89871.5	97090.5	101584.3	105674.8	101584.3	97090.5	89871.5	78096.2	67407.8	55730.1	45523.6
-20°	63984.6	68582.1	69994.1	72198.5	69994.1	68582.1	63984.6	56682.2	50118.9	41943.4	35469.1



REPORT NUMBER: P701496 (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°	44939.7	47553.6	49209.4	50145.2	49209.4	47553.6	44939.7	41351.5	36078.1	30903.1	26465.9
-25°	30465.9	32278.8	32983.8	33796.5	32983.8	32278.8	30465.9	27782.9	24587.1	22245.5	19253.4
-27.5°	20407.3	21151.8	21660.2	21936.2	21660.2	21151.8	20407.3	19548.2	17589.2	16322.5	13991.7
-30°	16039.9	16720.6	17128.9	17258.5	17128.9	16720.6	16039.9	15164.7	14077.6	12643.8	11022.4
-32.5°	12418.4	12933.0	13208.1	13244.5	13208.1	12933.0	12418.4	11724.1	10827.2	9715.8	8424.2
-35°	9199.9	9668.6	9928.1	9909.9	9928.1	9668.6	9199.9	8596.3	7876.2	7017.1	5979.6
-37.5°	6339.6	6736.9	6980.6	7043.9	6980.6	6736.9	6339.6	5834.3	5246.8	4486.1	3820.4
-40°	3966.0	4257.8	4432.0	4455.2	4432.0	4257.8	3966.0	3586.1	3166.5	2653.0	2276.8
-42.5°	2276.6	2394.8	2461.2	2458.0	2461.2	2394.8	2276.6	2125.8	1954.0	1727.6	1536.6
-45°	1600.0	1626.5	1641.4	1643.8	1641.4	1626.5	1600.0	1565.2	1512.0	1448.0	1378.6
-47.5°	1430.1	1455.2	1468.5	1470.1	1468.5	1455.2	1430.1	1398.4	1354.4	1299.8	1239.7
-50°	1278.3	1308.0	1324.2	1327.6	1324.2	1308.0	1278.3	1242.5	1197.8	1141.9	1080.3
-52.5°	1113.6	1133.2	1139.7	1136.2	1139.7	1133.2	1113.6	1090.3	1061.6	1022.3	979.6
-55°	1031.7	1047.6	1054.6	1056.2	1054.6	1047.6	1031.7	1015.1	997.3	965.0	927.4
-57.5°	1011.9	1026.2	1030.7	1030.8	1030.7	1026.2	1011.9	997.2	982.0	948.9	914.1
-60°	1002.4	1020.3	1023.8	1021.1	1023.8	1020.3	1002.4	984.0	965.2	929.7	887.5
-62.5°	941.1	964.0	971.2	970.3	971.2	964.0	941.1	914.3	884.1	837.0	782.2
-65°	736.5	753.3	762.0	765.3	762.0	753.3	736.5	715.7	691.0	655.6	611.9
-67.5°	523.8	535.5	539.2	538.8	539.2	535.5	523.8	508.8	490.3	465.3	434.1
-70°	341.5	350.5	351.5	349.5	351.5	350.5	341.5	330.5	317.4	301.6	283.1
-72.5°	209.6	215.8	215.3	212.8	215.3	215.8	209.6	202.3	193.9	184.6	174.4
-75°	120.6	123.6	122.7	121.0	122.7	123.6	120.6	116.9	112.5	107.3	101.1
-77.5°	70.4	73.5	74.1	74.2	74.1	73.5	70.4	67.0	63.6	59.9	55.4
-80°	43.4	44.7	44.8	44.9	44.8	44.7	43.4	42.1	40.6	38.9	36.4
-82.5°	30.0	31.1	31.2	31.2	31.2	31.1	30.0	28.9	27.7	26.4	24.7
-85°	22.3	23.3	23.4	23.4	23.4	23.3	22.3	21.2	20.2	19.1	17.5
-87.5°	15.1	15.6	15.6	15.6	15.6	15.6	15.1	14.6	14.1	13.6	12.1
-90°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.9	6.9	5.9	5.9	5.9	5.9	5.9	6.4	6.9	7.3	7.8
87.5°	3.0	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.4	5.9
85°	3.8	3.8	3.9	4.3	4.6	4.9	5.2	5.3	5.4	5.6	5.9
82.5°	3.9	3.9	3.9	4.4	4.9	5.4	5.9	5.9	5.9	5.9	5.9
80°	3.9	3.9	4.0	4.5	5.0	5.5	5.9	6.0	6.0	5.9	6.0
77.5°	4.7	4.9	5.0	5.1	5.3	5.6	6.0	6.5	6.8	6.9	7.0
75°	5.0	5.5	6.0	6.1	6.1	6.0	6.1	6.6	7.0	7.5	7.8
72.5°	6.8	7.2	7.4	7.5	7.3	7.4	7.7	8.0	8.1	8.0	7.8
70°	9.3	10.0	11.0	11.6	11.8	11.7	11.5	11.2	10.9	10.8	10.1
67.5°	11.2	11.9	13.7	15.7	17.0	17.6	17.3	16.3	15.5	14.9	13.2
65°	12.7	13.5	16.3	18.8	21.1	23.0	24.9	24.8	23.6	21.0	16.8
62.5°	12.6	13.5	15.5	17.9	21.1	26.2	32.2	34.3	34.1	29.6	23.3
60°	10.9	12.0	14.1	16.2	18.2	25.1	35.4	42.7	46.8	39.6	30.0
57.5°	9.5	10.5	12.3	14.4	16.9	24.6	35.5	48.5	56.7	46.4	36.6
55°	9.7	10.2	11.1	12.4	14.4	21.8	31.6	43.4	52.8	49.8	39.0
52.5°	11.6	11.6	11.6	11.5	13.3	18.3	25.4	36.1	41.8	41.0	37.5
50°	13.6	13.9	13.8	13.3	14.1	15.5	20.2	28.1	31.2	32.9	31.6
47.5°	19.0	18.7	17.4	16.7	17.1	17.0	18.5	20.7	25.2	25.6	26.1
45°	28.5	27.8	25.5	24.6	23.0	22.0	20.6	22.8	23.9	24.7	21.8
42.5°	44.7	41.8	38.9	37.4	34.3	31.2	28.7	29.3	28.9	27.6	26.9
40°	70.8	61.7	58.2	55.3	51.3	44.9	43.4	39.8	37.9	34.6	35.7
37.5°	125.1	96.2	90.2	77.9	72.3	68.5	63.8	57.3	49.8	52.9	52.5
35°	238.9	196.6	157.8	126.9	101.9	106.3	93.5	80.6	75.8	80.0	76.2
32.5°	421.1	418.1	306.7	237.2	208.2	177.9	146.5	114.0	125.8	122.9	108.5
30°	881.9	942.6	724.0	528.4	482.2	342.7	231.8	213.0	203.4	180.1	150.3
27.5°	2325.9	2077.1	1701.3	1336.9	984.6	707.3	457.5	338.2	303.9	262.1	213.6
25°	4522.5	4040.5	3206.0	2566.2	1995.7	1221.2	782.7	553.2	432.9	363.7	299.3
22.5°	7000.9	5983.7	4859.1	3900.1	3036.8	2013.6	1247.4	801.3	578.2	483.2	400.8
20°	9838.4	8068.7	6603.1	5345.9	4052.5	2756.0	1768.2	1198.1	819.2	616.7	504.3
17.5°	14572.1	10680.5	8915.1	7128.9	5360.6	3700.3	2729.0	1826.2	1080.0	755.9	607.2
15°	20953.2	16024.6	12632.1	9659.0	7320.9	5674.1	4102.0	2626.1	1449.0	947.6	734.7
12.5°	31750.4	23574.3	17381.4	13350.3	10643.2	8172.9	5893.8	3811.0	2083.3	1198.1	890.3
10°	42126.0	31567.3	23590.3	18277.4	14411.2	11009.2	7722.3	4870.6	2657.9	1458.5	1039.6
7.5°	52160.1	39111.9	29392.3	22467.6	17331.7	13039.5	9208.9	5846.6	3158.7	1713.0	1181.9
5°	60310.7	44596.7	32875.9	24527.5	19280.0	14811.7	10603.8	6762.0	3579.9	1953.8	1316.0
2.5°	65183.0	47931.0	35515.6	25997.7	20658.4	16035.7	11615.5	7327.4	3776.9	2082.6	1391.1
0°	66872.6	49631.7	35602.4	26053.6	20575.4	16153.4	12063.3	7508.6	3814.8	2161.2	1456.4
-2.5°	66252.3	48443.0	34965.9	25393.9	20042.1	15478.9	11508.1	7541.4	4028.1	2242.5	1506.1
-5°	63298.0	45127.6	32596.3	23868.0	18921.0	14685.0	10920.6	7382.8	4125.2	2280.4	1544.8
-7.5°	58642.4	41770.1	29711.3	21967.9	17529.4	13739.6	10294.3	7058.4	4075.2	2253.9	1551.2
-10°	52580.9	38627.6	28145.3	21404.3	16700.1	12714.7	9578.3	6602.7	3867.8	2177.8	1545.6
-12.5°	48177.6	35482.0	26244.3	20806.7	16485.8	12503.3	9157.8	6069.5	3484.8	2048.2	1527.8
-15°	42276.8	32253.1	25040.6	20007.3	15953.5	12003.9	8617.5	5411.1	2890.9	1846.1	1497.7
-17.5°	35781.2	28577.9	22879.5	18098.8	14294.2	11113.6	7729.1	4652.0	2463.1	1637.1	1419.1
-20°	28830.9	24020.5	19702.3	15592.7	12007.9	9000.0	6266.1	3630.9	2094.6	1529.5	1330.7



REPORT NUMBER: P701496 (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°	22962.8	19339.1	15642.1	12387.6	9425.1	6819.0	4508.2	2544.8	1636.7	1411.2	1229.0
-25°	17161.3	14557.8	11603.3	9330.4	6902.3	4645.7	2936.1	1947.3	1469.3	1287.7	1115.2
-27.5°	12563.3	10443.9	8552.8	6759.9	4825.3	3144.3	2033.1	1469.3	1317.8	1162.6	1002.6
-30°	9452.0	7938.9	6329.2	4767.3	3320.3	2111.3	1487.7	1310.0	1184.4	1048.1	906.2
-32.5°	7055.1	5773.8	4424.1	3201.9	2160.5	1564.2	1319.3	1167.0	1065.9	947.5	838.3
-35°	4871.4	3863.5	2809.6	2080.3	1529.6	1342.3	1204.9	1082.1	961.2	858.6	778.3
-37.5°	3050.2	2333.7	1872.5	1463.1	1342.2	1224.4	1114.3	992.1	871.2	795.2	725.9
-40°	1932.0	1544.2	1428.4	1319.9	1223.4	1129.0	1011.5	894.5	813.7	737.7	677.2
-42.5°	1459.4	1372.2	1285.7	1203.8	1114.0	1007.7	905.4	829.0	757.1	691.7	640.0
-45°	1311.1	1240.6	1165.6	1077.4	982.3	904.3	832.1	766.8	704.7	656.5	607.0
-47.5°	1171.1	1098.8	1021.7	955.4	890.0	825.8	767.3	709.4	671.4	626.4	563.4
-50°	1024.0	976.0	922.3	865.6	814.0	760.6	720.1	683.2	638.9	582.1	515.4
-52.5°	935.0	895.5	850.4	799.2	762.2	731.6	696.2	646.6	594.8	527.3	455.0
-55°	883.7	849.4	817.2	781.9	740.3	695.6	649.3	594.0	527.7	459.9	394.1
-57.5°	879.4	840.6	793.9	744.2	691.5	635.2	575.7	515.0	453.7	392.2	331.6
-60°	842.7	795.7	731.9	667.8	604.3	545.5	488.7	432.5	377.2	322.0	268.1
-62.5°	728.7	677.4	617.7	556.8	499.6	446.9	395.2	343.5	295.4	249.5	206.1
-65°	566.9	521.2	473.4	427.1	380.2	333.0	288.9	252.5	218.6	183.1	146.9
-67.5°	401.4	367.6	330.7	294.8	264.7	235.6	207.1	177.5	153.2	132.5	111.4
-70°	263.3	242.4	220.0	197.1	177.9	160.8	142.4	124.2	106.9	91.2	74.9
-72.5°	163.3	151.6	139.1	126.0	112.5	100.6	88.6	76.1	63.4	50.5	40.9
-75°	93.9	85.8	77.1	68.6	59.6	50.2	44.5	40.6	36.7	32.9	28.8
-77.5°	50.8	46.3	42.2	39.2	35.9	32.4	28.8	26.3	24.6	23.1	21.5
-80°	33.8	31.2	28.6	26.4	24.3	22.1	20.2	19.1	18.1	17.3	16.5
-82.5°	22.9	21.1	19.2	18.0	16.7	15.5	14.4	13.9	13.4	12.9	12.4
-85°	15.9	14.2	12.6	12.0	11.4	10.8	10.3	10.1	9.9	9.6	9.4
-87.5°	10.6	9.1	7.6	7.6	7.5	7.5	7.5	7.5	7.6	7.7	7.8
-90°	3.0	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.4	5.9



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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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	5.9	5.9	5.9	5.9	6.4	6.9	7.3	7.8	7.8	7.8	7.8
85°	6.1	6.2	6.2	6.2	6.5	6.9	7.3	7.8	7.8	7.8	7.8
82.5°	6.4	6.8	7.1	7.3	7.3	7.3	7.5	7.8	7.9	7.8	7.8
80°	6.5	6.9	7.4	7.8	7.8	7.8	7.7	7.8	8.1	8.2	8.1
77.5°	7.0	7.1	7.5	7.8	7.8	7.8	7.8	7.9	8.3	8.6	8.6
75°	7.8	7.7	7.7	7.9	7.9	7.8	7.8	8.0	8.4	8.9	9.1
72.5°	7.8	7.8	7.8	8.0	8.3	8.4	8.1	8.0	8.5	9.0	9.5
70°	9.1	8.1	7.8	8.1	8.6	9.0	8.9	8.6	8.6	9.0	9.5
67.5°	11.7	10.5	9.3	8.4	8.7	9.2	9.7	9.3	9.0	9.1	9.6
65°	14.8	13.0	11.5	10.1	9.3	9.3	9.7	9.8	9.5	9.4	9.6
62.5°	18.6	15.5	13.6	11.7	10.2	9.7	9.8	9.8	9.8	9.6	9.7
60°	22.8	18.2	15.7	13.6	11.4	10.0	9.8	9.8	9.8	9.8	9.8
57.5°	27.3	20.3	17.4	15.3	13.2	10.9	9.8	9.8	9.8	9.8	9.8
55°	30.3	23.0	19.2	16.6	14.6	12.5	10.3	9.8	9.8	9.8	9.8
52.5°	29.8	24.8	21.2	17.8	15.5	13.8	11.6	9.8	9.8	9.8	9.8
50°	26.9	25.4	22.5	19.0	16.2	14.4	12.7	10.7	9.8	9.8	9.8
47.5°	25.9	25.8	23.3	19.8	16.7	15.0	13.4	11.5	9.8	9.8	9.8
45°	25.4	26.7	24.4	20.7	17.3	15.6	14.0	12.2	10.4	9.9	9.8
42.5°	25.9	28.0	26.5	21.7	19.0	16.2	14.5	12.7	10.9	10.0	9.9
40°	33.2	30.0	29.4	26.6	21.4	16.7	14.9	13.1	11.4	10.3	10.0
37.5°	42.8	36.7	32.5	35.6	25.9	19.4	15.3	13.5	12.0	10.8	10.2
35°	63.4	47.4	44.7	47.3	36.8	22.4	15.7	13.9	12.6	11.4	10.4
32.5°	89.2	71.0	67.7	61.5	50.6	25.8	17.6	14.8	13.2	11.9	10.7
30°	127.0	114.3	96.8	78.7	66.4	38.3	21.2	16.0	13.8	12.4	11.0
27.5°	184.5	162.6	132.7	105.1	82.9	53.6	25.9	17.6	14.4	12.9	11.4
25°	250.9	217.1	178.4	137.3	101.3	74.5	30.9	19.5	15.4	13.4	11.9
22.5°	331.8	275.7	227.2	172.9	129.1	98.2	42.0	23.6	16.7	13.8	12.2
20°	416.3	337.1	279.6	212.7	162.4	121.6	60.2	27.7	18.2	14.2	12.6
17.5°	504.2	415.4	342.7	259.7	196.7	146.7	79.5	31.9	19.8	14.6	13.0
15°	622.7	515.4	411.8	309.5	229.3	173.1	99.6	36.1	21.4	15.0	13.3
12.5°	747.7	619.8	484.9	361.0	260.3	200.3	120.0	40.2	23.1	16.0	13.7
10°	871.8	726.6	560.4	413.0	289.6	227.6	140.0	45.8	26.9	17.8	14.1
7.5°	993.5	833.3	636.2	464.2	320.9	263.2	172.9	55.1	31.1	19.7	14.5
5°	1103.5	928.4	711.2	526.9	370.8	306.8	207.7	64.4	35.2	21.6	14.9
2.5°	1173.3	1002.4	781.4	587.1	419.6	348.8	241.0	73.5	39.2	23.6	15.3
0°	1235.8	1067.9	845.4	642.3	466.6	388.5	271.4	82.0	43.0	25.4	15.6
-2.5°	1275.4	1106.4	880.4	686.2	515.2	432.1	308.2	106.1	56.9	32.7	18.6
-5°	1308.5	1136.4	909.7	725.3	561.5	472.4	339.8	128.8	70.2	39.7	21.5
-7.5°	1320.7	1142.4	924.9	756.3	605.4	509.3	365.4	149.5	82.5	46.2	24.2
-10°	1320.8	1129.8	919.9	755.8	616.0	524.8	380.8	167.7	93.4	51.8	26.6
-12.5°	1311.4	1108.4	910.6	750.1	617.9	520.6	369.6	179.7	102.7	56.6	28.6
-15°	1291.9	1078.4	897.1	739.1	616.6	513.6	355.8	187.6	109.8	60.5	30.2
-17.5°	1252.3	1039.8	880.0	722.8	611.9	504.1	340.0	192.8	115.1	63.8	31.8
-20°	1158.9	984.1	859.1	701.2	603.6	492.0	322.8	195.3	118.4	65.7	33.4



REPORT NUMBER: P701496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1060.7	920.0	805.9	687.2	589.8	477.6	304.8	194.8	119.4	66.1	34.5
-25°	959.8	854.5	748.3	654.6	570.1	450.7	294.4	191.3	118.2	64.9	34.8
-27.5°	878.6	789.1	692.9	622.1	537.7	424.6	288.9	189.3	115.4	62.2	34.5
-30°	805.5	728.4	652.6	588.5	504.7	387.6	279.5	184.4	112.1	60.3	33.5
-32.5°	748.4	672.2	617.0	551.0	464.1	350.1	259.3	176.1	106.4	59.0	32.7
-35°	702.8	634.2	581.9	513.6	420.4	320.4	234.6	164.5	98.4	56.7	31.6
-37.5°	658.0	605.3	541.6	471.7	376.8	288.3	211.6	146.5	88.0	53.4	29.8
-40°	626.4	571.6	505.6	424.6	337.4	253.6	186.9	129.0	81.1	49.0	27.2
-42.5°	593.1	531.0	459.8	378.5	297.0	224.5	161.3	110.5	73.4	44.8	24.0
-45°	547.8	484.4	409.5	332.8	255.7	193.7	140.0	92.6	64.8	40.3	21.2
-47.5°	498.1	429.4	359.1	286.3	220.6	163.5	117.8	82.3	55.6	34.8	19.7
-50°	438.9	374.6	308.8	245.2	184.9	138.4	97.5	71.3	47.8	28.1	17.9
-52.5°	384.7	321.2	261.9	204.8	155.2	112.5	84.5	59.8	39.5	23.9	15.7
-55°	329.6	270.2	216.4	168.0	125.1	94.9	70.8	49.5	30.5	20.6	13.4
-57.5°	274.3	219.9	173.9	131.9	102.1	79.0	57.6	38.5	25.1	17.1	13.1
-60°	217.7	172.7	131.4	105.7	83.8	63.1	44.3	28.9	20.6	14.1	12.7
-62.5°	164.2	127.8	105.4	85.0	65.2	47.0	31.7	23.2	15.7	13.5	12.2
-65°	123.3	101.6	82.0	63.4	46.1	32.6	24.6	17.1	14.2	13.0	11.9
-67.5°	91.8	73.6	56.7	40.9	31.9	24.7	17.3	14.7	13.6	12.4	11.9
-70°	59.0	44.2	35.9	29.7	23.2	17.5	15.4	14.1	13.0	12.2	11.8
-72.5°	36.0	31.0	25.8	20.6	18.1	16.0	14.4	13.4	12.5	12.0	11.7
-75°	24.5	21.9	19.8	17.7	15.9	14.4	13.4	12.6	12.1	11.7	11.3
-77.5°	19.6	17.8	16.1	14.9	13.9	13.1	12.4	11.9	11.5	11.1	10.7
-80°	15.4	14.4	13.5	12.8	12.2	11.7	11.4	11.1	10.8	10.5	10.2
-82.5°	11.8	11.5	11.3	11.2	11.0	10.7	10.5	10.3	10.1	9.8	9.6
-85°	9.5	9.6	9.8	10.1	9.9	9.8	9.6	9.5	9.3	9.2	9.0
-87.5°	8.1	8.4	8.7	8.9	8.9	8.8	8.7	8.6	8.6	8.5	8.4
-90°	5.9	5.9	5.9	5.9	6.4	6.9	7.3	7.8	7.8	7.8	7.8



REPORT NUMBER: P701496 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.9	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	8.4	7.9	7.8	7.8	7.8	7.8	7.8
75°	8.9	8.4	7.9	7.8	7.8	7.8	7.8
72.5°	9.4	8.8	8.2	7.8	7.8	7.8	7.8
70°	9.8	9.2	8.5	7.8	7.8	7.8	7.8
67.5°	9.8	9.6	8.8	8.1	7.8	7.8	7.8
65°	9.8	9.8	9.2	8.3	7.8	7.8	7.8
62.5°	9.8	9.8	9.5	8.6	7.8	7.8	7.8
60°	9.8	9.8	9.8	8.8	7.8	7.8	7.8
57.5°	9.8	9.8	9.8	9.0	7.9	7.8	7.8
55°	9.8	9.8	9.8	9.2	8.1	7.8	7.8
52.5°	9.8	9.8	9.8	9.4	8.2	7.8	7.8
50°	9.8	9.8	9.8	9.7	8.4	7.8	7.8
47.5°	9.8	9.8	9.8	9.8	8.5	7.8	7.8
45°	9.8	9.8	9.8	9.8	8.6	7.8	7.8
42.5°	9.8	9.8	9.8	9.8	8.7	7.8	7.8
40°	9.8	9.8	9.8	9.8	8.9	7.8	7.8
37.5°	9.8	9.8	9.8	9.8	9.0	7.8	7.8
35°	9.8	9.8	9.8	9.8	9.1	7.8	7.8
32.5°	9.9	9.8	9.8	9.8	9.2	7.8	7.8
30°	10.1	9.8	9.8	9.8	9.3	7.8	7.8
27.5°	10.3	9.8	9.8	9.8	9.3	7.8	7.8
25°	10.5	9.8	9.8	9.8	9.4	7.8	7.8
22.5°	10.7	9.8	9.8	9.8	9.5	7.8	7.8
20°	11.0	10.0	9.8	9.8	9.6	7.8	7.8
17.5°	11.2	10.1	9.8	9.8	9.6	7.8	7.8
15°	11.4	10.3	9.8	9.8	9.7	7.8	7.8
12.5°	11.5	10.6	9.8	9.8	9.7	7.8	7.8
10°	11.6	10.8	9.8	9.8	9.7	7.8	7.8
7.5°	11.7	11.0	9.8	9.8	9.8	7.8	7.8
5°	11.7	11.3	9.8	9.8	9.8	7.8	7.8
2.5°	11.7	11.5	9.8	9.8	9.8	7.8	7.8
0°	11.7	11.7	9.8	9.8	9.8	7.8	7.8
-2.5°	12.7	11.7	9.8	9.8	9.8	7.8	7.8
-5°	13.7	11.7	9.8	9.8	9.8	7.8	7.8
-7.5°	14.7	11.6	9.8	9.8	9.8	7.8	7.8
-10°	15.5	11.6	9.8	9.8	9.7	7.8	7.8
-12.5°	16.1	11.5	9.8	9.8	9.7	7.8	7.8
-15°	16.6	11.4	9.8	9.8	9.7	7.8	7.8
-17.5°	16.8	11.3	9.8	9.8	9.6	7.8	7.8
-20°	17.2	11.1	9.8	9.8	9.6	7.8	7.8



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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.9	11.0	9.8	9.8	9.5	7.8	7.8
-25°	18.2	11.1	9.8	9.8	9.4	7.8	7.8
-27.5°	18.2	11.3	9.8	9.8	9.3	7.8	7.8
-30°	17.6	11.3	9.8	9.8	9.3	7.8	7.8
-32.5°	16.7	11.3	9.9	9.8	9.2	7.8	7.8
-35°	16.2	11.0	10.0	9.8	9.1	7.8	7.8
-37.5°	16.0	10.8	10.1	9.8	9.0	7.8	7.8
-40°	15.4	10.9	10.1	9.8	8.9	7.8	7.8
-42.5°	14.7	10.9	10.1	9.8	8.7	7.8	7.8
-45°	13.7	11.0	10.2	9.9	8.6	7.8	7.8
-47.5°	12.4	10.9	10.3	9.9	8.5	7.8	7.8
-50°	12.2	10.9	10.3	9.8	8.4	7.8	7.8
-52.5°	12.0	10.8	10.4	9.6	8.2	7.8	7.8
-55°	11.8	10.8	10.4	9.5	8.1	7.8	7.8
-57.5°	11.6	10.9	10.5	9.3	7.9	7.8	7.8
-60°	11.3	10.9	10.5	9.1	7.8	7.8	7.8
-62.5°	11.4	11.0	10.2	8.9	7.8	7.8	7.8
-65°	11.4	11.0	10.0	8.7	7.8	7.8	7.8
-67.5°	11.5	10.9	9.7	8.5	7.8	7.8	7.8
-70°	11.5	10.5	9.4	8.3	7.8	7.8	7.8
-72.5°	11.2	10.1	9.1	8.2	7.8	7.8	7.8
-75°	10.7	9.8	8.8	8.1	7.8	7.8	7.8
-77.5°	10.3	9.4	8.6	8.1	7.8	7.8	7.8
-80°	9.8	9.1	8.5	8.0	7.8	7.8	7.8
-82.5°	9.3	8.8	8.3	8.0	7.8	7.8	7.8
-85°	8.8	8.4	8.1	7.9	7.8	7.8	7.8
-87.5°	8.3	8.1	8.0	7.9	7.8	7.8	7.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(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

