

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: P701740 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-5S-CV2-S**

Issue Date: 8/29/2023

Test Information

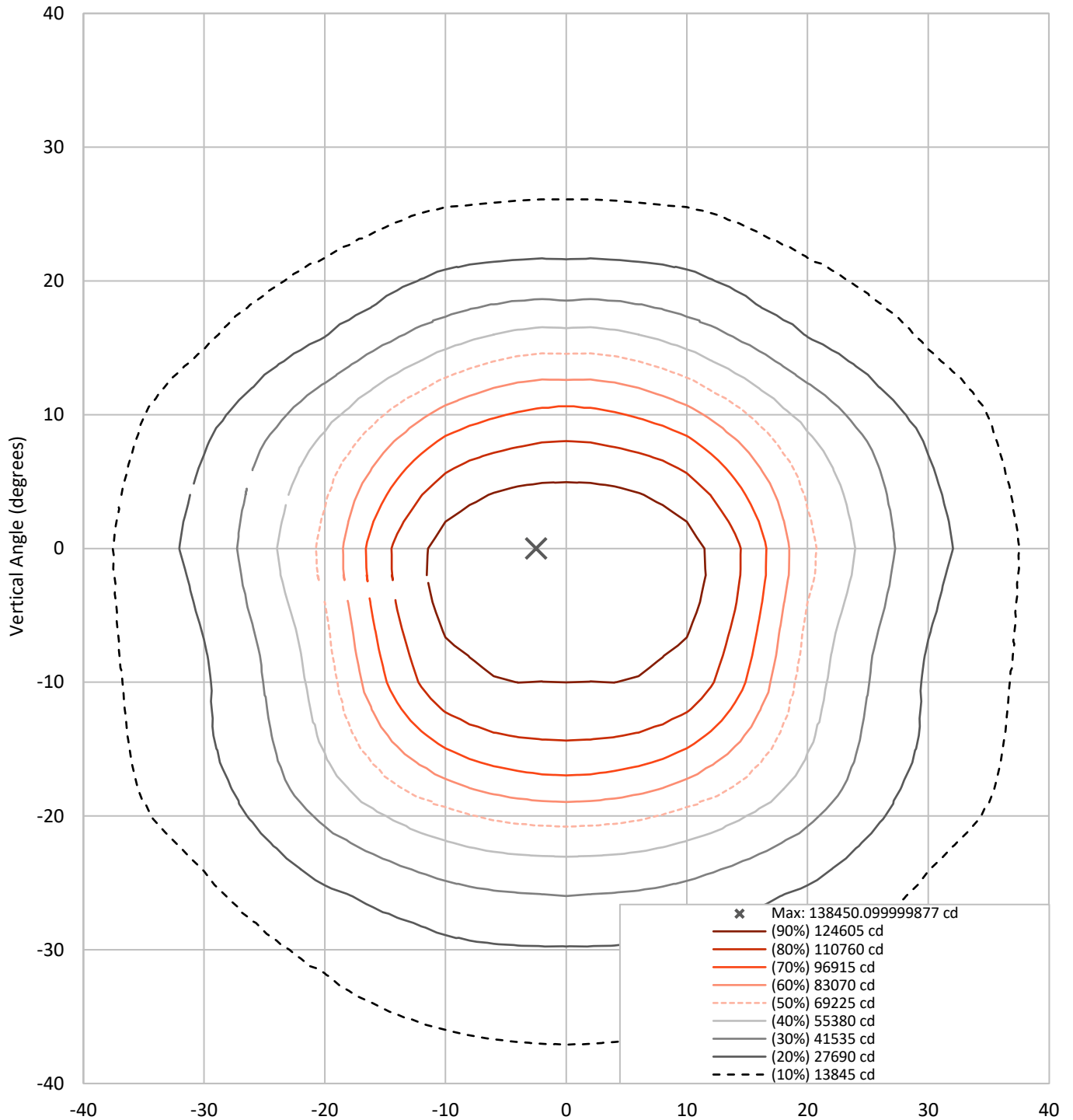
Test Method: LM-79-08
Report Number: P701740 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-80-5S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	68329 lumens	Max Intensity:	138450.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	98.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	37582.3 lumens	Field Lumens:	62597.1 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%
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		

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Iso-Candela Plot





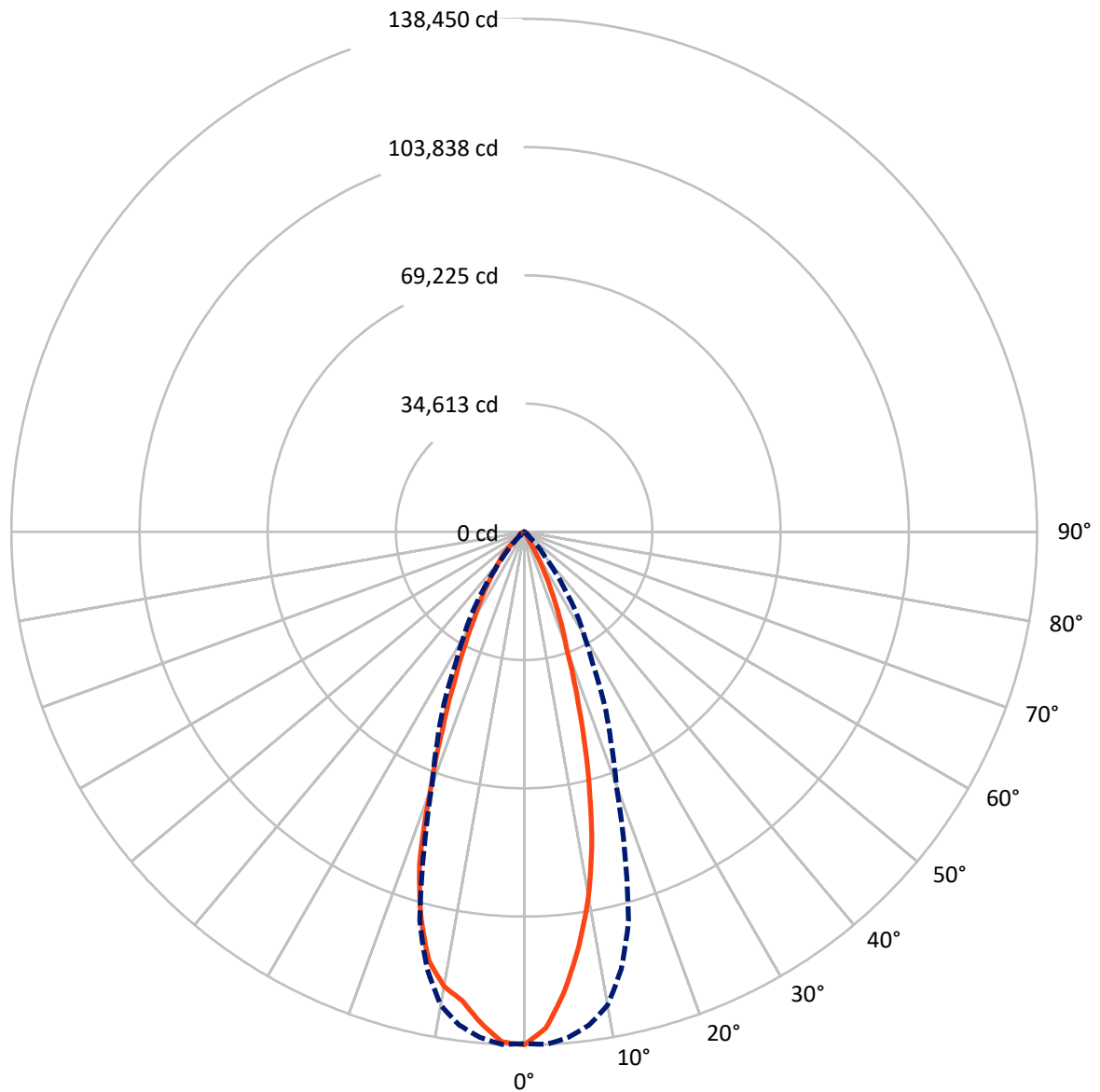
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Lumen Table

90																			
80	0.2	0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2			
70																			
60	0.2	0.1	0.2	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.2	0.1	0.2			
50		0.1	0.3	0.7	0.8	0.4	0.5	0.5	0.5	0.5	0.4	0.8	0.7	0.3	0.1				
40	0.2	0.2	0.3	0.6	0.8	1.1	1.7	2.0	2.0	1.7	1.1	0.8	0.6	0.3	0.2	0.2			
30		0.2	0.9	2.1	5.5	15.4	26.6	33.9	33.9	26.6	15.4	5.5	2.1	0.9	0.2				
20	0.2	0.4	3.0	10.4	60.6	174.4	354.5	511.9	511.9	354.5	174.4	60.6	10.4	3.0	0.4	0.2			
10		0.8	6.4	34.0	215.8	632.5	1296.2	1915.0	1915.0	1296.2	632.5	215.8	34.0	6.4	0.8				
0	0.3	1.5	11.0	74.0	443.9	1268.0	2655.0	3623.6	3623.6	2655.0	1268.0	443.9	74.0	11.0	1.5	0.3			
-10		2.5	15.0	89.5	464.9	1298.5	2979.6	3971.3	3971.3	2979.6	1298.5	464.9	89.5	15.0	2.5				
-20	0.4	2.9	15.4	71.9	394.6	1069.0	2251.3	3100.3	3100.3	2251.3	1069.0	394.6	71.9	15.4	2.9	0.4			
-30		2.6	12.6	33.7	197.9	572.1	1052.0	1381.4	1381.4	1052.0	572.1	197.9	33.7	12.6	2.6				
-40	0.4	2.0	8.7	19.7	57.8	215.5	396.6	517.4	517.4	396.6	215.5	57.8	19.7	8.7	2.0	0.4			
-50		1.2	5.2	13.9	25.5	47.8	107.8	162.6	162.6	107.8	47.8	25.5	13.9	5.2	1.2				
-60	0.2	0.6	2.6	7.8	16.3	26.8	36.8	42.6	42.6	36.8	26.8	16.3	7.8	2.6	0.6	0.2			
-70		0.3	1.0	3.0	6.8	11.9	17.9	21.4	21.4	17.9	11.9	6.8	3.0	1.0	0.3				
-80	0.2	0.8		2.4		6.4		9.0		6.4		2.4		0.8		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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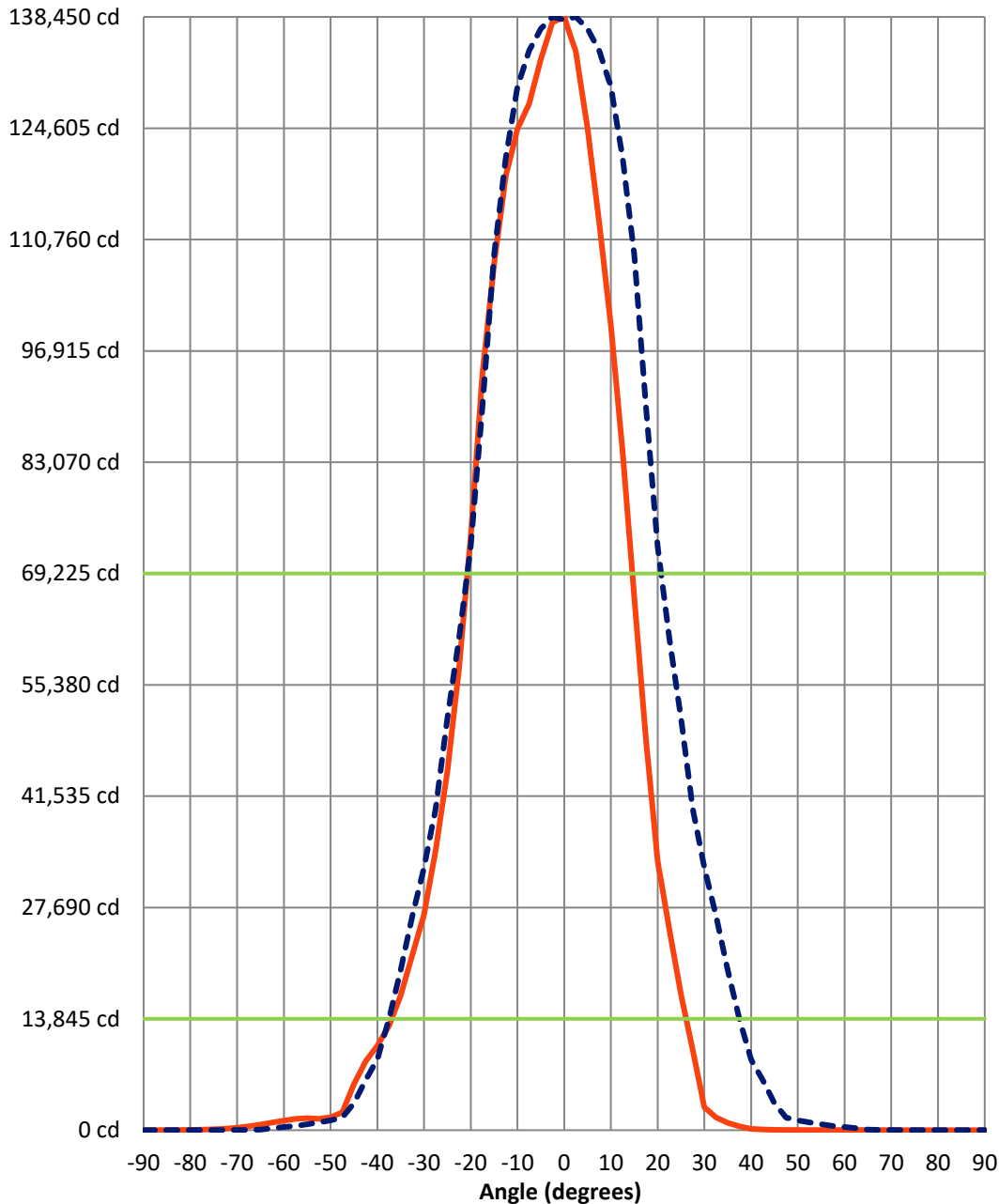
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 37582.3
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 62597.1
 Efficiency: 91.6%

Spill:
 Lumens: 5731.8
 Efficiency: 8.4%

— Vertical Distribution through -2.5-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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.3	8.2
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.5	8.5	8.3
70°	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.7	8.9	8.9	8.9
67.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.6	9.2	9.4	9.3	9.6
65°	8.1	8.1	8.1	8.1	8.1	8.3	9.1	9.8	9.7	9.8	10.1
62.5°	8.1	8.1	8.1	8.1	8.1	8.7	9.6	10.0	9.9	10.1	10.1
60°	8.1	8.1	8.1	8.1	8.1	9.1	10.0	10.1	10.1	10.1	10.1
57.5°	8.1	8.1	8.1	8.1	8.4	9.4	10.1	10.1	10.1	10.1	10.1
55°	8.1	8.1	8.1	8.1	8.7	9.8	10.1	10.1	10.1	10.1	10.1
52.5°	8.1	8.1	8.1	8.1	9.0	10.1	10.1	10.1	10.1	10.1	10.1
50°	8.1	8.1	8.1	8.1	9.2	10.1	10.1	10.1	10.1	10.1	10.7
47.5°	8.1	8.1	8.1	8.1	9.5	10.1	10.1	10.1	10.1	10.1	11.4
45°	8.1	8.1	8.1	8.3	9.7	10.1	10.1	10.1	10.2	10.7	12.0
42.5°	8.1	8.1	8.1	8.5	10.0	10.1	10.1	10.2	10.3	11.2	12.6
40°	8.1	8.1	8.1	8.7	10.1	10.1	10.1	10.3	10.6	11.8	13.2
37.5°	8.1	8.1	8.1	8.8	10.1	10.1	10.1	10.5	11.2	12.4	13.8
35°	8.1	8.1	8.1	8.9	10.1	10.1	10.1	10.8	11.8	13.1	14.3
32.5°	8.1	8.1	8.1	9.0	10.1	10.1	10.2	11.0	12.3	13.9	15.3
30°	8.1	8.1	8.1	9.0	10.1	10.1	10.4	11.4	12.8	14.8	16.5
27.5°	8.1	8.1	8.1	9.0	10.0	10.1	10.6	11.8	13.4	15.6	17.8
25°	8.1	8.1	8.1	9.0	10.0	10.1	10.8	12.2	14.1	16.7	19.3
22.5°	8.1	8.1	8.1	9.0	10.0	10.1	11.1	12.6	14.8	17.8	22.8
20°	8.1	8.1	8.1	8.9	9.9	10.1	11.3	13.0	15.5	19.0	26.3
17.5°	8.1	8.1	8.1	8.9	10.0	10.1	11.5	13.3	16.2	20.2	29.8
15°	8.1	8.1	8.1	8.8	10.0	10.1	11.7	13.6	16.9	21.5	33.3
12.5°	8.1	8.1	8.1	8.7	10.0	10.1	11.8	13.8	17.5	22.8	36.7
10°	8.1	8.1	8.1	8.6	10.0	10.1	11.9	13.9	18.2	24.6	41.3
7.5°	8.1	8.1	8.1	8.5	10.0	10.1	12.0	14.0	18.8	26.6	48.7
5°	8.1	8.1	8.1	8.4	10.1	10.1	12.1	14.0	19.3	28.6	56.3
2.5°	8.1	8.1	8.1	8.2	10.1	10.1	12.1	14.1	19.8	30.5	63.7
0°	8.1	8.1	8.1	8.1	10.1	10.1	12.1	14.1	19.8	30.5	63.7
-2.5°	8.1	8.1	8.1	8.2	10.1	10.5	12.9	16.0	25.6	44.2	91.3
-5°	8.1	8.1	8.1	8.4	10.1	11.0	13.7	17.8	30.8	55.6	110.7
-7.5°	8.1	8.1	8.1	8.5	10.0	11.4	14.4	19.5	35.5	66.1	128.3
-10°	8.1	8.1	8.1	8.6	10.0	11.7	15.1	21.1	39.6	75.3	143.6
-12.5°	8.1	8.1	8.1	8.7	10.0	12.0	15.7	22.4	43.0	83.1	154.3
-15°	8.1	8.1	8.1	8.8	10.0	12.3	16.2	23.5	46.2	89.7	161.6
-17.5°	8.1	8.1	8.1	8.9	10.0	12.4	16.6	25.2	49.5	94.6	166.4
-20°	8.1	8.1	8.1	8.9	9.9	12.5	17.1	27.0	51.6	97.6	168.7



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.1	8.1	8.1	9.0	10.0	12.5	17.7	28.3	52.4	98.5	168.1
-25°	8.1	8.1	8.1	9.0	10.0	12.4	18.0	29.0	51.8	97.1	164.7
-27.5°	8.1	8.1	8.1	9.0	10.0	12.3	18.1	29.0	49.8	94.7	162.8
-30°	8.1	8.1	8.1	9.0	10.1	12.1	17.7	28.4	48.7	92.3	158.0
-32.5°	8.1	8.1	8.1	9.0	10.2	11.8	17.1	27.9	48.0	87.9	150.0
-35°	8.1	8.1	8.1	8.9	10.3	11.4	16.6	27.2	46.4	81.3	138.9
-37.5°	8.1	8.1	8.1	8.8	10.4	11.2	16.1	25.9	43.7	72.5	122.6
-40°	8.1	8.1	8.1	8.7	10.4	11.2	15.4	24.1	39.9	66.7	107.3
-42.5°	8.1	8.1	8.1	8.5	10.3	11.3	14.7	21.7	36.6	60.0	91.3
-45°	8.1	8.1	8.1	8.4	10.2	11.3	13.8	19.6	33.3	52.3	75.8
-47.5°	8.1	8.1	8.1	8.3	10.0	11.3	12.8	18.4	29.2	44.3	66.7
-50°	8.1	8.1	8.1	8.3	9.8	11.2	12.5	17.0	24.1	38.4	56.9
-52.5°	8.1	8.1	8.1	8.3	9.5	11.1	12.4	15.4	21.0	32.1	46.9
-55°	8.1	8.1	8.1	8.3	9.3	10.9	12.2	13.8	18.8	25.3	39.1
-57.5°	8.1	8.1	8.1	8.4	9.1	10.6	12.0	13.5	16.5	21.6	30.8
-60°	8.1	8.1	8.1	8.4	8.8	10.2	11.7	13.1	14.5	18.8	23.9
-62.5°	8.1	8.1	8.1	8.4	8.9	9.9	11.3	12.6	13.9	15.8	20.4
-65°	8.1	8.1	8.1	8.5	8.9	9.6	10.9	12.1	13.4	14.7	16.8
-67.5°	8.1	8.1	8.1	8.5	9.0	9.4	10.4	11.6	12.8	14.0	15.2
-70°	8.1	8.1	8.1	8.5	9.0	9.5	10.0	11.1	12.3	13.4	14.5
-72.5°	8.1	8.1	8.1	8.5	9.0	9.5	10.0	10.6	11.7	12.7	13.7
-75°	8.1	8.1	8.1	8.4	9.0	9.5	10.0	10.4	11.0	12.0	13.0
-77.5°	8.1	8.1	8.1	8.4	8.9	9.5	10.0	10.3	10.7	11.4	12.2
-80°	8.1	8.1	8.1	8.3	8.8	9.4	10.1	10.2	10.4	10.9	11.4
-82.5°	8.1	8.1	8.1	8.3	8.6	9.1	9.6	9.9	10.1	10.3	10.6
-85°	8.1	8.1	8.1	8.2	8.4	8.7	9.1	9.3	9.5	9.6	9.8
-87.5°	8.1	8.1	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.9
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	6.1	6.1	6.1
87.5°	7.8	7.6	7.4	7.2	7.0	6.7	6.4	6.1	5.6	5.1	4.5
85°	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	5.8	5.6	5.5
82.5°	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	6.1	6.1	6.1
80°	8.1	8.1	8.1	8.1	7.7	7.2	6.7	6.2	6.1	6.2	6.2
77.5°	8.1	8.1	8.1	8.1	7.7	7.4	7.2	7.2	7.2	7.0	6.7
75°	8.1	8.1	8.2	8.2	8.0	8.0	8.1	8.1	7.8	7.3	6.8
72.5°	8.4	8.7	8.6	8.3	8.1	8.1	8.1	8.1	8.3	8.4	8.3
70°	9.2	9.3	8.9	8.4	8.1	8.3	9.2	10.3	11.2	11.1	11.0
67.5°	10.0	9.5	9.0	8.6	8.9	9.9	11.1	12.8	14.2	14.3	14.7
65°	10.0	9.6	9.3	9.5	10.0	11.8	13.6	15.4	19.7	22.4	23.7
62.5°	10.1	9.8	9.9	10.6	12.1	14.1	16.8	21.7	28.5	32.1	31.0
60°	10.1	10.0	10.7	12.3	14.0	15.9	20.3	27.1	35.9	42.3	38.5
57.5°	10.1	10.6	12.0	13.6	15.0	16.7	22.7	31.1	41.4	52.6	45.7
55°	10.4	11.5	13.0	14.4	15.9	17.4	23.6	33.2	44.8	51.6	44.9
52.5°	11.2	12.3	13.7	15.3	16.8	18.4	23.0	32.2	39.2	44.4	41.1
50°	11.9	13.1	14.5	16.1	17.9	19.6	20.4	27.9	33.4	35.8	35.6
47.5°	12.6	13.9	15.2	17.0	19.3	20.8	20.7	24.4	28.5	31.1	28.9
45°	13.3	14.7	16.0	18.6	21.0	22.3	23.5	22.6	29.2	30.9	29.6
42.5°	14.0	15.4	17.8	20.2	23.2	26.5	28.4	30.8	34.0	37.1	36.3
40°	14.7	16.2	20.2	25.0	27.2	33.4	39.4	43.0	44.4	47.2	47.2
37.5°	15.3	18.7	25.0	35.0	35.1	44.3	52.8	61.4	63.9	59.2	67.2
35°	15.9	21.5	37.8	49.8	51.8	58.8	72.9	86.0	93.8	89.3	96.7
32.5°	17.7	24.7	54.5	67.1	79.6	85.9	96.0	124.2	151.3	159.6	145.2
30°	20.9	39.9	73.5	86.0	115.6	135.0	141.0	179.0	235.7	285.2	382.9
27.5°	24.9	58.6	91.3	118.0	160.5	195.4	210.7	272.7	369.6	500.3	781.4
25°	29.1	78.3	110.1	158.6	219.3	259.9	284.9	372.4	534.9	952.2	1477.5
22.5°	39.4	98.3	133.9	203.8	285.6	320.9	373.7	492.9	765.7	1459.2	2330.8
20°	55.4	117.2	167.9	248.5	356.7	379.2	455.6	608.5	1081.6	2132.1	3179.2
17.5°	71.2	138.5	205.1	301.2	411.4	456.7	535.0	713.8	1346.6	2975.3	4280.6
15°	86.4	161.7	240.1	354.6	475.4	564.6	684.5	950.9	1853.1	3973.7	5738.8
12.5°	100.9	186.0	272.9	407.9	549.4	679.1	856.1	1337.3	2756.6	5140.0	7774.6
10°	114.4	210.8	303.3	459.8	630.5	797.7	1033.7	1760.1	3669.6	6155.1	9386.5
7.5°	145.7	248.6	337.4	509.5	715.4	917.6	1213.0	2200.1	4493.7	7014.1	10733.5
5°	180.5	299.6	402.4	587.3	804.7	1030.5	1377.4	2635.8	5216.2	7721.6	11946.7
2.5°	214.5	348.9	465.8	664.8	890.3	1128.8	1479.1	3015.7	5783.0	8320.3	12993.7
0°	246.2	395.5	526.6	736.4	968.5	1218.7	1565.7	3347.3	6214.3	8805.0	13818.8
-2.5°	284.9	445.3	594.0	804.6	994.8	1221.3	1567.0	3224.9	6308.1	9262.9	13509.3
-5°	318.4	490.8	656.5	866.5	1018.1	1217.6	1554.4	3037.8	6256.3	9508.2	13259.7
-7.5°	345.3	531.2	712.9	915.9	1039.7	1230.1	1584.7	3079.1	6170.2	9508.1	13103.3
-10°	360.9	542.7	713.2	913.2	1053.7	1246.0	1605.4	3006.2	5907.2	9311.2	12785.1
-12.5°	347.0	528.4	698.5	901.3	1062.5	1249.2	1598.7	2800.4	5464.0	8909.9	12388.0
-15°	330.5	511.3	677.6	879.3	1065.7	1238.3	1561.4	2447.7	4737.5	8045.4	11909.0
-17.5°	312.1	491.6	650.2	846.5	1063.0	1212.2	1470.6	1889.6	3797.2	6837.6	10810.1
-20°	292.5	469.9	616.2	802.3	1048.5	1152.1	1332.6	1676.3	2995.9	5483.6	9082.0



REPORT NUMBER: P701740 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	272.4	446.4	580.8	758.6	963.7	1079.7	1203.7	1451.2	2118.2	3961.6	6847.9
-25°	261.0	416.6	550.0	701.0	876.8	1012.0	1073.9	1229.8	1563.7	2908.2	4999.5
-27.5°	255.7	388.3	512.0	641.7	797.5	941.2	986.6	1087.4	1336.9	1876.1	3377.4
-30°	246.8	349.9	470.2	585.0	728.0	856.2	922.6	986.5	1145.8	1437.3	2268.8
-32.5°	227.2	310.9	425.2	536.1	659.6	783.8	883.9	945.1	1045.3	1197.6	1473.4
-35°	203.1	282.0	379.4	483.3	592.1	716.7	829.6	919.2	967.8	1072.7	1257.3
-37.5°	181.1	250.8	333.5	429.9	531.3	646.8	770.9	868.8	940.0	990.2	1122.6
-40°	157.9	217.2	294.3	379.9	471.1	576.7	690.9	804.7	894.9	970.0	1028.8
-42.5°	134.2	190.1	255.2	330.7	417.1	509.6	607.6	719.2	831.3	928.9	1003.1
-45°	115.8	162.1	215.6	287.9	364.1	444.8	533.7	626.0	746.3	857.0	949.3
-47.5°	96.6	135.1	184.3	244.2	314.1	386.0	460.9	553.3	653.2	762.5	867.9
-50°	79.1	113.5	152.9	206.9	266.7	330.2	396.9	481.4	573.5	666.6	763.1
-52.5°	67.5	91.2	127.7	170.1	222.9	279.6	341.1	413.2	494.9	580.0	665.5
-55°	55.4	76.0	103.0	138.8	180.1	231.0	288.8	351.4	415.5	493.1	569.8
-57.5°	44.7	62.2	83.6	110.1	144.4	182.4	236.0	291.8	350.6	410.6	474.4
-60°	34.7	49.2	67.3	87.9	111.5	145.1	183.4	231.5	283.9	336.6	390.4
-62.5°	25.4	37.1	51.9	69.0	88.6	109.7	140.5	176.8	216.0	259.9	305.0
-65°	21.3	26.5	37.1	51.3	67.0	85.4	105.5	127.1	158.9	190.2	221.4
-67.5°	17.0	21.4	26.4	33.5	46.8	61.4	76.8	95.0	114.1	131.7	152.1
-70°	15.5	16.7	20.3	24.9	30.1	38.0	51.0	64.6	78.2	91.5	106.4
-72.5°	14.5	15.4	16.5	17.8	21.7	26.4	31.7	37.6	46.4	56.8	67.3
-75°	13.6	14.0	14.8	15.7	16.9	18.2	20.0	24.3	28.9	33.4	37.8
-77.5°	12.7	13.1	13.4	13.8	14.2	15.1	16.1	17.2	18.7	20.5	22.5
-80°	11.8	12.1	12.4	12.7	12.7	12.8	13.1	13.4	13.9	14.6	15.6
-82.5°	10.9	11.1	11.3	11.5	11.3	11.0	10.7	10.6	10.9	11.3	11.6
-85°	9.9	10.1	10.2	10.4	10.1	9.7	9.3	8.9	9.0	9.2	9.3
-87.5°	9.0	9.1	9.2	9.2	8.8	8.4	8.0	7.5	7.6	7.6	7.7
-90°	7.6	7.1	6.6	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.1	6.1	6.1	6.1	6.1	6.6	7.1	7.6	8.1	9.1	10.1
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0
85°	5.3	5.1	4.8	4.4	4.0	4.0	4.0	4.0	4.0	3.5	3.0
82.5°	6.1	5.6	5.1	4.6	4.0	4.0	4.0	4.0	4.0	3.5	3.0
80°	6.1	5.8	5.6	5.4	5.3	5.1	4.8	4.5	4.0	3.5	3.0
77.5°	6.2	6.1	6.1	6.1	6.1	5.7	5.1	4.6	4.1	3.6	3.0
75°	6.3	6.2	6.3	6.3	6.2	5.9	5.8	5.7	5.7	5.4	4.9
72.5°	7.9	7.6	7.5	7.3	7.0	6.9	6.8	6.5	6.2	6.0	6.0
70°	10.8	10.6	10.4	10.1	9.7	9.2	8.9	8.5	7.8	7.7	7.8
67.5°	15.9	16.2	16.0	15.3	13.7	12.3	11.6	10.8	9.9	9.9	10.5
65°	23.3	20.4	18.5	16.9	15.5	14.3	13.6	12.8	12.0	12.2	13.9
62.5°	27.6	21.7	18.5	17.3	16.6	15.9	14.8	14.0	13.6	14.0	15.4
60°	32.2	23.3	17.4	16.3	15.2	14.2	14.1	14.1	14.1	14.3	14.9
57.5°	34.4	23.8	16.0	15.4	14.9	14.3	14.3	14.5	14.4	14.2	14.7
55°	33.6	24.0	16.5	15.7	15.6	15.8	15.8	15.0	14.4	14.1	14.7
52.5°	30.7	23.1	17.7	16.2	16.2	15.4	14.2	14.9	15.8	16.5	17.2
50°	27.3	21.7	19.0	17.7	17.7	17.8	17.8	18.9	19.9	20.5	21.3
47.5°	25.0	21.9	21.7	21.3	21.9	23.0	23.5	24.6	27.6	29.2	29.9
45°	25.3	26.8	27.9	29.0	28.9	34.6	38.7	41.0	43.6	46.1	48.1
42.5°	34.2	38.1	41.6	46.9	50.0	59.5	64.5	58.3	71.2	82.3	85.0
40°	52.4	58.0	70.4	84.2	100.8	107.9	141.6	143.1	157.7	194.1	205.9
37.5°	79.6	95.7	138.9	175.4	233.4	267.9	310.6	351.6	384.6	418.3	441.4
35°	124.1	206.5	271.6	385.5	463.4	502.8	553.5	614.1	639.8	746.2	827.5
32.5°	265.1	413.2	589.7	680.8	783.0	861.1	850.3	1102.2	1199.3	1359.2	1489.2
30°	490.0	843.8	1317.7	1317.8	1299.4	1730.4	1888.1	2213.5	2547.3	2769.6	3301.0
27.5°	1132.7	1883.6	2634.3	2649.4	2974.6	3874.5	4386.9	4541.0	5988.7	6918.5	8186.7
25°	2087.3	3323.2	4358.7	4840.6	5806.5	7272.5	8140.4	9175.2	11336.1	13798.4	15352.8
22.5°	3108.7	4425.8	5981.8	7079.2	8930.4	10816.3	12394.6	14678.1	17582.4	20329.9	22188.9
20°	3877.5	5424.9	7622.7	9927.7	12272.8	14637.0	17088.7	20226.5	24157.9	27503.6	30527.5
17.5°	5445.2	7081.3	10055.7	13190.9	16373.8	18899.6	22771.4	26534.6	31324.4	36179.3	39939.6
15°	7764.9	10402.1	13378.1	17444.8	21921.6	25786.8	29892.0	36496.1	42323.0	48562.8	54138.0
12.5°	10741.7	14236.8	18180.6	22857.4	28724.9	34790.8	41051.7	48022.4	55643.7	63138.9	71095.2
10°	13521.1	18324.7	23416.4	29171.1	35885.6	43545.8	51195.7	59093.9	69684.5	79283.1	87791.1
7.5°	15440.1	21097.6	27346.9	34380.8	42668.6	50815.9	59457.2	70196.2	82568.8	93452.9	102172.0
5°	17163.4	23574.2	29814.1	36924.8	46560.5	55872.9	66083.0	79154.1	93238.4	105174.2	113863.7
2.5°	18663.7	25562.5	31622.3	38785.8	49365.2	59054.2	70203.4	85781.1	102188.8	114144.4	123312.9
0°	19897.9	26630.8	32645.3	40023.8	51209.6	61188.8	72626.8	89950.2	108837.3	120914.8	129727.8
-2.5°	18703.0	24810.8	30747.7	38221.1	49493.4	59713.5	72076.0	89696.9	108232.4	121258.7	130358.5
-5°	17800.5	23378.1	29014.1	36409.1	46323.5	55800.1	67400.7	85522.6	105031.9	118193.9	127401.5
-7.5°	17101.0	21968.7	27092.9	33902.3	42971.9	53021.4	65459.4	82944.2	101379.1	114691.0	123033.9
-10°	16338.5	20520.2	26104.8	32968.1	41787.7	51368.3	62418.0	78592.1	97218.7	110026.7	119798.3
-12.5°	16106.2	20521.7	26146.8	32106.0	40218.6	49419.0	59953.8	73730.7	88007.7	101438.4	110007.6
-15°	15731.6	20212.5	25717.5	31322.4	38677.2	47538.1	56332.5	66513.8	78446.8	88151.4	97103.1
-17.5°	14997.2	19303.1	23440.3	28677.5	35835.8	44050.4	50714.0	58720.9	67330.3	74730.4	81482.7
-20°	13239.1	16167.3	20088.5	25027.3	31161.7	37813.4	43880.5	49657.4	55190.2	60827.8	64733.2



REPORT NUMBER: P701740 (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°
-22.5°	10130.3	12942.3	16229.9	20332.4	25195.4	30992.2	36353.9	40266.5	44667.5	48727.0	52064.6
-25°	7408.2	9468.5	12537.0	16037.6	19211.2	23854.2	27968.8	30611.2	34474.3	37509.0	40398.0
-27.5°	5357.3	7374.9	9877.2	12643.3	15022.8	17517.1	21149.3	23672.6	26711.0	29037.9	31447.7
-30°	3656.6	5878.5	8184.6	10447.2	12257.4	14141.8	16154.7	18643.6	21082.8	23037.8	24778.6
-32.5°	2536.2	4146.3	6399.9	8508.0	10144.0	11580.8	12903.4	14794.2	16619.5	18210.8	19515.6
-35°	1553.8	2695.6	4256.5	6263.9	7993.4	9374.1	10593.9	11798.2	12966.0	14163.3	15172.0
-37.5°	1314.6	1587.1	2559.7	3942.0	5589.5	7126.1	8321.0	9315.4	10196.8	11108.0	11825.3
-40°	1161.7	1324.7	1568.9	2074.5	3341.7	4619.2	5907.5	6977.7	7947.0	8755.0	9383.1
-42.5°	1060.9	1170.0	1288.8	1487.1	1722.1	2348.2	3456.2	4536.3	5587.9	6469.6	7208.7
-45°	1029.6	1084.4	1148.6	1254.8	1352.0	1542.5	1748.2	1961.3	2797.2	3684.2	4465.8
-47.5°	958.4	1046.2	1104.4	1150.0	1204.2	1290.4	1369.4	1470.0	1662.0	1852.5	2008.0
-50°	864.0	959.8	1040.4	1118.6	1173.7	1211.4	1240.2	1292.3	1368.8	1443.2	1503.3
-52.5°	749.6	842.6	936.3	1031.2	1109.6	1182.2	1250.3	1297.4	1333.1	1363.6	1379.2
-55°	645.6	723.3	801.6	897.2	991.9	1082.8	1170.2	1244.7	1314.1	1378.9	1415.6
-57.5°	544.0	611.0	680.8	766.1	850.3	932.9	1017.6	1103.5	1187.6	1266.0	1311.5
-60°	447.2	506.6	569.8	638.7	711.8	788.0	861.0	933.8	1006.0	1070.0	1107.6
-62.5°	352.4	402.5	453.8	508.3	565.8	625.9	686.4	747.7	808.7	860.1	891.8
-65°	256.0	296.8	336.1	375.9	416.2	461.7	509.7	556.4	601.4	636.7	659.8
-67.5°	179.0	205.3	229.4	252.9	281.4	313.8	348.3	381.8	414.1	438.5	454.8
-70°	121.5	136.1	149.4	164.7	183.4	202.8	223.0	242.5	261.0	275.1	286.0
-72.5°	77.6	87.3	96.7	107.2	117.3	128.4	140.1	151.2	161.5	168.8	174.5
-75°	41.9	47.1	54.8	62.0	68.7	76.8	85.1	92.9	100.1	104.0	106.6
-77.5°	25.7	29.1	32.5	35.6	38.6	43.0	47.8	52.7	57.5	59.8	61.4
-80°	16.8	18.4	20.1	21.8	23.5	26.1	28.8	31.5	34.2	35.0	35.6
-82.5°	11.9	12.5	13.1	13.7	14.4	16.0	17.8	19.5	21.3	22.5	23.7
-85°	9.4	9.5	9.6	9.6	9.7	10.6	11.6	12.6	13.7	14.3	14.9
-87.5°	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.6	9.1
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0



REPORT NUMBER: P701740 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.1	12.1	11.1	10.1	11.1	12.1	11.1	10.1	9.1	8.1	7.6
87.5°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.0	3.5	4.0	4.0
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.5
77.5°	2.5	2.0	3.0	4.0	3.0	2.0	2.5	3.0	3.6	4.1	4.6
75°	4.5	4.0	4.0	4.0	4.0	4.0	4.5	4.9	5.4	5.7	5.7
72.5°	6.0	6.0	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.2	6.5
70°	8.0	8.0	8.1	8.1	8.1	8.0	8.0	7.8	7.7	7.8	8.5
67.5°	11.2	11.9	12.1	12.1	12.1	11.9	11.2	10.5	9.9	9.9	10.8
65°	15.8	17.6	17.2	16.1	17.2	17.6	15.8	13.9	12.2	12.0	12.8
62.5°	16.7	17.9	18.2	18.2	18.2	17.9	16.7	15.4	14.0	13.6	14.0
60°	15.5	16.0	16.1	16.1	16.1	16.0	15.5	14.9	14.3	14.1	14.1
57.5°	15.3	15.9	16.1	16.1	16.1	15.9	15.3	14.7	14.2	14.4	14.5
55°	15.3	15.9	16.1	16.1	16.1	15.9	15.3	14.7	14.1	14.4	15.0
52.5°	17.8	18.0	18.2	18.2	18.2	18.0	17.8	17.2	16.5	15.8	14.9
50°	22.4	23.5	22.7	20.2	22.7	23.5	22.4	21.3	20.5	19.9	18.9
47.5°	29.9	28.8	28.1	28.2	28.1	28.8	29.9	29.9	29.2	27.6	24.6
45°	48.7	48.3	48.0	48.4	48.0	48.3	48.7	48.1	46.1	43.6	41.0
42.5°	87.9	88.2	86.8	84.7	86.8	88.2	87.9	85.0	82.3	71.2	58.3
40°	205.4	188.2	164.9	151.3	164.9	188.2	205.4	205.9	194.1	157.7	143.1
37.5°	462.5	476.0	477.3	468.1	477.3	476.0	462.5	441.4	418.3	384.6	351.6
35°	878.8	910.3	912.0	895.8	912.0	910.3	878.8	827.5	746.2	639.8	614.1
32.5°	1487.2	1558.0	1584.6	1577.8	1584.6	1558.0	1487.2	1489.2	1359.2	1199.3	1102.2
30°	3053.8	3075.0	2857.6	2459.5	2857.6	3075.0	3053.8	3301.0	2769.6	2547.3	2213.5
27.5°	8874.8	9693.9	9991.0	9860.2	9991.0	9693.9	8874.8	8186.7	6918.5	5988.7	4541.0
25°	15799.2	16338.9	16877.6	16940.1	16877.6	16338.9	15799.2	15352.8	13798.4	11336.1	9175.2
22.5°	23476.4	24243.3	24971.3	24804.8	24971.3	24243.3	23476.4	22188.9	20329.9	17582.4	14678.1
20°	32448.1	32977.0	33514.3	32919.7	33514.3	32977.0	32448.1	30527.5	27503.6	24157.9	20226.5
17.5°	43878.5	46369.0	48579.9	47579.9	48579.9	46369.0	43878.5	39939.6	36179.3	31324.4	26534.6
15°	59387.3	63722.1	66264.5	66130.0	66264.5	63722.1	59387.3	54138.0	48562.8	42323.0	36496.1
12.5°	77259.0	81789.0	84383.5	83846.9	84383.5	81789.0	77259.0	71095.2	63138.9	55643.7	48022.4
10°	93383.3	96940.4	100023.2	101230.8	100023.2	96940.4	93383.3	87791.1	79283.1	69684.5	59093.9
7.5°	107625.0	110275.3	112846.8	113306.3	112846.8	110275.3	107625.0	102172.0	93452.9	82568.8	70196.2
5°	119348.8	123103.8	124557.3	125133.7	124557.3	123103.8	119348.8	113863.7	105174.2	93238.4	79154.1
2.5°	128810.7	132245.6	134063.8	133527.1	134063.8	132245.6	128810.7	123312.9	114144.4	102188.8	85781.1
0°	134246.3	136965.1	138450.1	138095.0	138450.1	136965.1	134246.3	129727.8	120914.8	108837.3	89950.2
-2.5°	134782.1	136610.3	137771.8	137316.2	137771.8	136610.3	134782.1	130358.5	121258.7	108232.4	89696.9
-5°	131075.3	132563.0	133173.4	133434.2	133173.4	132563.0	131075.3	127401.5	118193.9	105031.9	85522.6
-7.5°	125968.1	127966.5	127662.6	128188.4	127662.6	127966.5	125968.1	123033.9	114691.0	101379.1	82944.2
-10°	122926.2	124770.6	124503.5	124645.4	124503.5	124770.6	122926.2	119798.3	110026.7	97218.7	78592.1
-12.5°	115545.5	118223.4	118634.5	119095.9	118634.5	118223.4	115545.5	110007.6	101438.4	88007.7	73730.7
-15°	102978.7	105921.2	107700.4	108100.8	107700.4	105921.2	102978.7	97103.1	88151.4	78446.8	66513.8
-17.5°	87096.4	91165.7	94026.6	94691.6	94026.6	91165.7	87096.4	81482.7	74730.4	67330.3	58720.9
-20°	69502.6	72415.6	73897.9	74696.9	73897.9	72415.6	69502.6	64733.2	60827.8	55190.2	49657.4



REPORT NUMBER: P701740 (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°	54704.9	56628.6	57454.5	57589.3	57454.5	56628.6	54704.9	52064.6	48727.0	44667.5	40266.5
-25°	42737.6	44048.9	44610.9	45441.2	44610.9	44048.9	42737.6	40398.0	37509.0	34474.3	30611.2
-27.5°	33165.9	34318.8	34832.9	35597.1	34832.9	34318.8	33165.9	31447.7	29037.9	26711.0	23672.6
-30°	25952.9	26647.4	26820.8	26858.8	26820.8	26647.4	25952.9	24778.6	23037.8	21082.8	18643.6
-32.5°	20528.8	21311.0	21778.0	21986.2	21778.0	21311.0	20528.8	19515.6	18210.8	16619.5	14794.2
-35°	15927.4	16442.9	16749.9	17095.4	16749.9	16442.9	15927.4	15172.0	14163.3	12966.0	11798.2
-37.5°	12383.0	12765.4	12976.8	13048.0	12976.8	12765.4	12383.0	11825.3	11108.0	10196.8	9315.4
-40°	9884.1	10263.7	10491.7	10526.0	10491.7	10263.7	9884.1	9383.1	8755.0	7947.0	6977.7
-42.5°	7770.2	8243.2	8549.2	8619.3	8549.2	8243.2	7770.2	7208.7	6469.6	5587.9	4536.3
-45°	5037.4	5477.7	5710.7	5695.8	5710.7	5477.7	5037.4	4465.8	3684.2	2797.2	1961.3
-47.5°	2107.6	2178.5	2209.0	2199.2	2209.0	2178.5	2107.6	2008.0	1852.5	1662.0	1470.0
-50°	1550.7	1591.0	1613.0	1618.1	1613.0	1591.0	1550.7	1503.3	1443.2	1368.8	1292.3
-52.5°	1392.5	1407.3	1412.5	1412.3	1412.5	1407.3	1392.5	1379.2	1363.6	1333.1	1297.4
-55°	1449.8	1482.2	1495.0	1495.1	1495.0	1482.2	1449.8	1415.6	1378.9	1314.1	1244.7
-57.5°	1352.7	1389.2	1406.0	1410.3	1406.0	1389.2	1352.7	1311.5	1266.0	1187.6	1103.5
-60°	1141.3	1170.6	1183.4	1186.4	1183.4	1170.6	1141.3	1107.6	1070.0	1006.0	933.8
-62.5°	918.9	941.1	947.9	946.3	947.9	941.1	918.9	891.8	860.1	808.7	747.7
-65°	679.1	694.4	695.6	690.0	695.6	694.4	679.1	659.8	636.7	601.4	556.4
-67.5°	467.8	477.5	478.0	474.1	478.0	477.5	467.8	454.8	438.5	414.1	381.8
-70°	295.1	302.5	302.9	300.6	302.9	302.5	295.1	286.0	275.1	261.0	242.5
-72.5°	179.4	183.4	187.0	189.7	187.0	183.4	179.4	174.5	168.8	161.5	151.2
-75°	108.5	109.9	109.8	109.0	109.8	109.9	108.5	106.6	104.0	100.1	92.9
-77.5°	62.8	64.0	66.4	68.6	66.4	64.0	62.8	61.4	59.8	57.5	52.7
-80°	35.9	36.1	37.2	38.3	37.2	36.1	35.9	35.6	35.0	34.2	31.5
-82.5°	24.9	26.1	26.2	26.2	26.2	26.1	24.9	23.7	22.5	21.3	19.5
-85°	15.5	16.1	17.1	18.2	17.1	16.1	15.5	14.9	14.3	13.7	12.6
-87.5°	9.6	10.1	10.1	10.1	10.1	10.1	9.6	9.1	8.6	8.1	8.1
-90°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.0	3.5	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.1	6.6	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.1	5.6	6.1
85°	4.0	4.0	4.0	4.4	4.8	5.1	5.3	5.5	5.6	5.8	6.1
82.5°	4.0	4.0	4.0	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1
80°	4.8	5.1	5.3	5.4	5.6	5.8	6.1	6.2	6.2	6.1	6.2
77.5°	5.1	5.7	6.1	6.1	6.1	6.1	6.2	6.7	7.0	7.2	7.2
75°	5.8	5.9	6.2	6.3	6.3	6.2	6.3	6.8	7.3	7.8	8.1
72.5°	6.8	6.9	7.0	7.3	7.5	7.6	7.9	8.3	8.4	8.3	8.1
70°	8.9	9.2	9.7	10.1	10.4	10.6	10.8	11.0	11.1	11.2	10.3
67.5°	11.6	12.3	13.7	15.3	16.0	16.2	15.9	14.7	14.3	14.2	12.8
65°	13.6	14.3	15.5	16.9	18.5	20.4	23.3	23.7	22.4	19.7	15.4
62.5°	14.8	15.9	16.6	17.3	18.5	21.7	27.6	31.0	32.1	28.5	21.7
60°	14.1	14.2	15.2	16.3	17.4	23.3	32.2	38.5	42.3	35.9	27.1
57.5°	14.3	14.3	14.9	15.4	16.0	23.8	34.4	45.7	52.6	41.4	31.1
55°	15.8	15.8	15.6	15.7	16.5	24.0	33.6	44.9	51.6	44.8	33.2
52.5°	14.2	15.4	16.2	16.2	17.7	23.1	30.7	41.1	44.4	39.2	32.2
50°	17.8	17.8	17.7	17.7	19.0	21.7	27.3	35.6	35.8	33.4	27.9
47.5°	23.5	23.0	21.9	21.3	21.7	21.9	25.0	28.9	31.1	28.5	24.4
45°	38.7	34.6	28.9	29.0	27.9	26.8	25.3	29.6	30.9	29.2	22.6
42.5°	64.5	59.5	50.0	46.9	41.6	38.1	34.2	36.3	37.1	34.0	30.8
40°	141.6	107.9	100.8	84.2	70.4	58.0	52.4	47.2	47.2	44.4	43.0
37.5°	310.6	267.9	233.4	175.4	138.9	95.7	79.6	67.2	59.2	63.9	61.4
35°	553.5	502.8	463.4	385.5	271.6	206.5	124.1	96.7	89.3	93.8	86.0
32.5°	850.3	861.1	783.0	680.8	589.7	413.2	265.1	145.2	159.6	151.3	124.2
30°	1888.1	1730.4	1299.4	1317.8	1317.7	843.8	490.0	382.9	285.2	235.7	179.0
27.5°	4386.9	3874.5	2974.6	2649.4	2634.3	1883.6	1132.7	781.4	500.3	369.6	272.7
25°	8140.4	7272.5	5806.5	4840.6	4358.7	3323.2	2087.3	1477.5	952.2	534.9	372.4
22.5°	12394.6	10816.3	8930.4	7079.2	5981.8	4425.8	3108.7	2330.8	1459.2	765.7	492.9
20°	17088.7	14637.0	12272.8	9927.7	7622.7	5424.9	3877.5	3179.2	2132.1	1081.6	608.5
17.5°	22771.4	18899.6	16373.8	13190.9	10055.7	7081.3	5445.2	4280.6	2975.3	1346.6	713.8
15°	29892.0	25786.8	21921.6	17444.8	13378.1	10402.1	7764.9	5738.8	3973.7	1853.1	950.9
12.5°	41051.7	34790.8	28724.9	22857.4	18180.6	14236.8	10741.7	7774.6	5140.0	2756.6	1337.3
10°	51195.7	43545.8	35885.6	29171.1	23416.4	18324.7	13521.1	9386.5	6155.1	3669.6	1760.1
7.5°	59457.2	50815.9	42668.6	34380.8	27346.9	21097.6	15440.1	10733.5	7014.1	4493.7	2200.1
5°	66083.0	55872.9	46560.5	36924.8	29814.1	23574.2	17163.4	11946.7	7721.6	5216.2	2635.8
2.5°	70203.4	59054.2	49365.2	38785.8	31622.3	25562.5	18663.7	12993.7	8320.3	5783.0	3015.7
0°	72626.8	61188.8	51209.6	40023.8	32645.3	26630.8	19897.9	13818.8	8805.0	6214.3	3347.3
-2.5°	72076.0	59713.5	49493.4	38221.1	30747.7	24810.8	18703.0	13509.3	9262.9	6308.1	3224.9
-5°	67400.7	55800.1	46323.5	36409.1	29014.1	23378.1	17800.5	13259.7	9508.2	6256.3	3037.8
-7.5°	65459.4	53021.4	42971.9	33902.3	27092.9	21968.7	17101.0	13103.3	9508.1	6170.2	3079.1
-10°	62418.0	51368.3	41787.7	32968.1	26104.8	20520.2	16338.5	12785.1	9311.2	5907.2	3006.2
-12.5°	59953.8	49419.0	40218.6	32106.0	26146.8	20521.7	16106.2	12388.0	8909.9	5464.0	2800.4
-15°	56332.5	47538.1	38677.2	31322.4	25717.5	20212.5	15731.6	11909.0	8045.4	4737.5	2447.7
-17.5°	50714.0	44050.4	35835.8	28677.5	23440.3	19303.1	14997.2	10810.1	6837.6	3797.2	1889.6
-20°	43880.5	37813.4	31161.7	25027.3	20088.5	16167.3	13239.1	9082.0	5483.6	2995.9	1676.3



REPORT NUMBER: P701740 (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°	36353.9	30992.2	25195.4	20332.4	16229.9	12942.3	10130.3	6847.9	3961.6	2118.2	1451.2
-25°	27968.8	23854.2	19211.2	16037.6	12537.0	9468.5	7408.2	4999.5	2908.2	1563.7	1229.8
-27.5°	21149.3	17517.1	15022.8	12643.3	9877.2	7374.9	5357.3	3377.4	1876.1	1336.9	1087.4
-30°	16154.7	14141.8	12257.4	10447.2	8184.6	5878.5	3656.6	2268.8	1437.3	1145.8	986.5
-32.5°	12903.4	11580.8	10144.0	8508.0	6399.9	4146.3	2536.2	1473.4	1197.6	1045.3	945.1
-35°	10593.9	9374.1	7993.4	6263.9	4256.5	2695.6	1553.8	1257.3	1072.7	967.8	919.2
-37.5°	8321.0	7126.1	5589.5	3942.0	2559.7	1587.1	1314.6	1122.6	990.2	940.0	868.8
-40°	5907.5	4619.2	3341.7	2074.5	1568.9	1324.7	1161.7	1028.8	970.0	894.9	804.7
-42.5°	3456.2	2348.2	1722.1	1487.1	1288.8	1170.0	1060.9	1003.1	928.9	831.3	719.2
-45°	1748.2	1542.5	1352.0	1254.8	1148.6	1084.4	1029.6	949.3	857.0	746.3	626.0
-47.5°	1369.4	1290.4	1204.2	1150.0	1104.4	1046.2	958.4	867.9	762.5	653.2	553.3
-50°	1240.2	1211.4	1173.7	1118.6	1040.4	959.8	864.0	763.1	666.6	573.5	481.4
-52.5°	1250.3	1182.2	1109.6	1031.2	936.3	842.6	749.6	665.5	580.0	494.9	413.2
-55°	1170.2	1082.8	991.9	897.2	801.6	723.3	645.6	569.8	493.1	415.5	351.4
-57.5°	1017.6	932.9	850.3	766.1	680.8	611.0	544.0	474.4	410.6	350.6	291.8
-60°	861.0	788.0	711.8	638.7	569.8	506.6	447.2	390.4	336.6	283.9	231.5
-62.5°	686.4	625.9	565.8	508.3	453.8	402.5	352.4	305.0	259.9	216.0	176.8
-65°	509.7	461.7	416.2	375.9	336.1	296.8	256.0	221.4	190.2	158.9	127.1
-67.5°	348.3	313.8	281.4	252.9	229.4	205.3	179.0	152.1	131.7	114.1	95.0
-70°	223.0	202.8	183.4	164.7	149.4	136.1	121.5	106.4	91.5	78.2	64.6
-72.5°	140.1	128.4	117.3	107.2	96.7	87.3	77.6	67.3	56.8	46.4	37.6
-75°	85.1	76.8	68.7	62.0	54.8	47.1	41.9	37.8	33.4	28.9	24.3
-77.5°	47.8	43.0	38.6	35.6	32.5	29.1	25.7	22.5	20.5	18.7	17.2
-80°	28.8	26.1	23.5	21.8	20.1	18.4	16.8	15.6	14.6	13.9	13.4
-82.5°	17.8	16.0	14.4	13.7	13.1	12.5	11.9	11.6	11.3	10.9	10.6
-85°	11.6	10.6	9.7	9.6	9.6	9.5	9.4	9.3	9.2	9.0	8.9
-87.5°	8.0	8.0	7.9	7.9	7.8	7.8	7.7	7.7	7.6	7.6	7.5
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.1	5.6	6.1



REPORT NUMBER: P701740 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	6.4	6.7	7.0	7.2	7.4	7.6	7.8	8.1	8.1	8.1	8.1
85°	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	6.7	7.2	7.7	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	7.2	7.4	7.7	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.0	8.0	8.2	8.2	8.1	8.1	8.2	8.3	8.1	8.1
72.5°	8.1	8.1	8.1	8.3	8.6	8.7	8.4	8.3	8.5	8.5	8.2
70°	9.2	8.3	8.1	8.4	8.9	9.3	9.2	8.9	8.9	8.9	8.7
67.5°	11.1	9.9	8.9	8.6	9.0	9.5	10.0	9.6	9.3	9.4	9.2
65°	13.6	11.8	10.0	9.5	9.3	9.6	10.0	10.1	9.8	9.7	9.8
62.5°	16.8	14.1	12.1	10.6	9.9	9.8	10.1	10.1	10.1	9.9	10.0
60°	20.3	15.9	14.0	12.3	10.7	10.0	10.1	10.1	10.1	10.1	10.1
57.5°	22.7	16.7	15.0	13.6	12.0	10.6	10.1	10.1	10.1	10.1	10.1
55°	23.6	17.4	15.9	14.4	13.0	11.5	10.4	10.1	10.1	10.1	10.1
52.5°	23.0	18.4	16.8	15.3	13.7	12.3	11.2	10.1	10.1	10.1	10.1
50°	20.4	19.6	17.9	16.1	14.5	13.1	11.9	10.7	10.1	10.1	10.1
47.5°	20.7	20.8	19.3	17.0	15.2	13.9	12.6	11.4	10.1	10.1	10.1
45°	23.5	22.3	21.0	18.6	16.0	14.7	13.3	12.0	10.7	10.2	10.1
42.5°	28.4	26.5	23.2	20.2	17.8	15.4	14.0	12.6	11.2	10.3	10.2
40°	39.4	33.4	27.2	25.0	20.2	16.2	14.7	13.2	11.8	10.6	10.3
37.5°	52.8	44.3	35.1	35.0	25.0	18.7	15.3	13.8	12.4	11.2	10.5
35°	72.9	58.8	51.8	49.8	37.8	21.5	15.9	14.3	13.1	11.8	10.8
32.5°	96.0	85.9	79.6	67.1	54.5	24.7	17.7	15.3	13.9	12.3	11.0
30°	141.0	135.0	115.6	86.0	73.5	39.9	20.9	16.5	14.8	12.8	11.4
27.5°	210.7	195.4	160.5	118.0	91.3	58.6	24.9	17.8	15.6	13.4	11.8
25°	284.9	259.9	219.3	158.6	110.1	78.3	29.1	19.3	16.7	14.1	12.2
22.5°	373.7	320.9	285.6	203.8	133.9	98.3	39.4	22.8	17.8	14.8	12.6
20°	455.6	379.2	356.7	248.5	167.9	117.2	55.4	26.3	19.0	15.5	13.0
17.5°	535.0	456.7	411.4	301.2	205.1	138.5	71.2	29.8	20.2	16.2	13.3
15°	684.5	564.6	475.4	354.6	240.1	161.7	86.4	33.3	21.5	16.9	13.6
12.5°	856.1	679.1	549.4	407.9	272.9	186.0	100.9	36.7	22.8	17.5	13.8
10°	1033.7	797.7	630.5	459.8	303.3	210.8	114.4	41.3	24.6	18.2	13.9
7.5°	1213.0	917.6	715.4	509.5	337.4	248.6	145.7	48.7	26.6	18.8	14.0
5°	1377.4	1030.5	804.7	587.3	402.4	299.6	180.5	56.3	28.6	19.3	14.0
2.5°	1479.1	1128.8	890.3	664.8	465.8	348.9	214.5	63.7	30.5	19.8	14.1
0°	1565.7	1218.7	968.5	736.4	526.6	395.5	246.2	70.6	32.3	20.2	14.1
-2.5°	1567.0	1221.3	994.8	804.6	594.0	445.3	284.9	91.3	44.2	25.6	16.0
-5°	1554.4	1217.6	1018.1	866.5	656.5	490.8	318.4	110.7	55.6	30.8	17.8
-7.5°	1584.7	1230.1	1039.7	915.9	712.9	531.2	345.3	128.3	66.1	35.5	19.5
-10°	1605.4	1246.0	1053.7	913.2	713.2	542.7	360.9	143.6	75.3	39.6	21.1
-12.5°	1598.7	1249.2	1062.5	901.3	698.5	528.4	347.0	154.3	83.1	43.0	22.4
-15°	1561.4	1238.3	1065.7	879.3	677.6	511.3	330.5	161.6	89.7	46.2	23.5
-17.5°	1470.6	1212.2	1063.0	846.5	650.2	491.6	312.1	166.4	94.6	49.5	25.2
-20°	1332.6	1152.1	1048.5	802.3	616.2	469.9	292.5	168.7	97.6	51.6	27.0



REPORT NUMBER: P701740 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1203.7	1079.7	963.7	758.6	580.8	446.4	272.4	168.1	98.5	52.4	28.3
-25°	1073.9	1012.0	876.8	701.0	550.0	416.6	261.0	164.7	97.1	51.8	29.0
-27.5°	986.6	941.2	797.5	641.7	512.0	388.3	255.7	162.8	94.7	49.8	29.0
-30°	922.6	856.2	728.0	585.0	470.2	349.9	246.8	158.0	92.3	48.7	28.4
-32.5°	883.9	783.8	659.6	536.1	425.2	310.9	227.2	150.0	87.9	48.0	27.9
-35°	829.6	716.7	592.1	483.3	379.4	282.0	203.1	138.9	81.3	46.4	27.2
-37.5°	770.9	646.8	531.3	429.9	333.5	250.8	181.1	122.6	72.5	43.7	25.9
-40°	690.9	576.7	471.1	379.9	294.3	217.2	157.9	107.3	66.7	39.9	24.1
-42.5°	607.6	509.6	417.1	330.7	255.2	190.1	134.2	91.3	60.0	36.6	21.7
-45°	533.7	444.8	364.1	287.9	215.6	162.1	115.8	75.8	52.3	33.3	19.6
-47.5°	460.9	386.0	314.1	244.2	184.3	135.1	96.6	66.7	44.3	29.2	18.4
-50°	396.9	330.2	266.7	206.9	152.9	113.5	79.1	56.9	38.4	24.1	17.0
-52.5°	341.1	279.6	222.9	170.1	127.7	91.2	67.5	46.9	32.1	21.0	15.4
-55°	288.8	231.0	180.1	138.8	103.0	76.0	55.4	39.1	25.3	18.8	13.8
-57.5°	236.0	182.4	144.4	110.1	83.6	62.2	44.7	30.8	21.6	16.5	13.5
-60°	183.4	145.1	111.5	87.9	67.3	49.2	34.7	23.9	18.8	14.5	13.1
-62.5°	140.5	109.7	88.6	69.0	51.9	37.1	25.4	20.4	15.8	13.9	12.6
-65°	105.5	85.4	67.0	51.3	37.1	26.5	21.3	16.8	14.7	13.4	12.1
-67.5°	76.8	61.4	46.8	33.5	26.4	21.4	17.0	15.2	14.0	12.8	11.6
-70°	51.0	38.0	30.1	24.9	20.3	16.7	15.5	14.5	13.4	12.3	11.1
-72.5°	31.7	26.4	21.7	17.8	16.5	15.4	14.5	13.7	12.7	11.7	10.6
-75°	20.0	18.2	16.9	15.7	14.8	14.0	13.6	13.0	12.0	11.0	10.4
-77.5°	16.1	15.1	14.2	13.8	13.4	13.1	12.7	12.2	11.4	10.7	10.3
-80°	13.1	12.8	12.7	12.7	12.4	12.1	11.8	11.4	10.9	10.4	10.2
-82.5°	10.7	11.0	11.3	11.5	11.3	11.1	10.9	10.6	10.3	10.1	9.9
-85°	9.3	9.7	10.1	10.4	10.2	10.1	9.9	9.8	9.6	9.5	9.3
-87.5°	8.0	8.4	8.8	9.2	9.2	9.1	9.0	8.9	8.9	8.8	8.7
-90°	6.1	6.1	6.1	6.1	6.6	7.1	7.6	8.1	8.1	8.1	8.1



REPORT NUMBER: P701740 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
70°	8.2	8.1	8.1	8.1	8.1	8.1	8.1
67.5°	8.6	8.1	8.1	8.1	8.1	8.1	8.1
65°	9.1	8.3	8.1	8.1	8.1	8.1	8.1
62.5°	9.6	8.7	8.1	8.1	8.1	8.1	8.1
60°	10.0	9.1	8.1	8.1	8.1	8.1	8.1
57.5°	10.1	9.4	8.4	8.1	8.1	8.1	8.1
55°	10.1	9.8	8.7	8.1	8.1	8.1	8.1
52.5°	10.1	10.1	9.0	8.1	8.1	8.1	8.1
50°	10.1	10.1	9.2	8.1	8.1	8.1	8.1
47.5°	10.1	10.1	9.5	8.1	8.1	8.1	8.1
45°	10.1	10.1	9.7	8.3	8.1	8.1	8.1
42.5°	10.1	10.1	10.0	8.5	8.1	8.1	8.1
40°	10.1	10.1	10.1	8.7	8.1	8.1	8.1
37.5°	10.1	10.1	10.1	8.8	8.1	8.1	8.1
35°	10.1	10.1	10.1	8.9	8.1	8.1	8.1
32.5°	10.2	10.1	10.1	9.0	8.1	8.1	8.1
30°	10.4	10.1	10.1	9.0	8.1	8.1	8.1
27.5°	10.6	10.1	10.0	9.0	8.1	8.1	8.1
25°	10.8	10.1	10.0	9.0	8.1	8.1	8.1
22.5°	11.1	10.1	10.0	9.0	8.1	8.1	8.1
20°	11.3	10.1	9.9	8.9	8.1	8.1	8.1
17.5°	11.5	10.1	10.0	8.9	8.1	8.1	8.1
15°	11.7	10.1	10.0	8.8	8.1	8.1	8.1
12.5°	11.8	10.1	10.0	8.7	8.1	8.1	8.1
10°	11.9	10.1	10.0	8.6	8.1	8.1	8.1
7.5°	12.0	10.1	10.0	8.5	8.1	8.1	8.1
5°	12.1	10.1	10.1	8.4	8.1	8.1	8.1
2.5°	12.1	10.1	10.1	8.2	8.1	8.1	8.1
0°	12.1	10.1	10.1	8.1	8.1	8.1	8.1
-2.5°	12.9	10.5	10.1	8.2	8.1	8.1	8.1
-5°	13.7	11.0	10.1	8.4	8.1	8.1	8.1
-7.5°	14.4	11.4	10.0	8.5	8.1	8.1	8.1
-10°	15.1	11.7	10.0	8.6	8.1	8.1	8.1
-12.5°	15.7	12.0	10.0	8.7	8.1	8.1	8.1
-15°	16.2	12.3	10.0	8.8	8.1	8.1	8.1
-17.5°	16.6	12.4	10.0	8.9	8.1	8.1	8.1
-20°	17.1	12.5	9.9	8.9	8.1	8.1	8.1



REPORT NUMBER: P701740 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.7	12.5	10.0	9.0	8.1	8.1	8.1
-25°	18.0	12.4	10.0	9.0	8.1	8.1	8.1
-27.5°	18.1	12.3	10.0	9.0	8.1	8.1	8.1
-30°	17.7	12.1	10.1	9.0	8.1	8.1	8.1
-32.5°	17.1	11.8	10.2	9.0	8.1	8.1	8.1
-35°	16.6	11.4	10.3	8.9	8.1	8.1	8.1
-37.5°	16.1	11.2	10.4	8.8	8.1	8.1	8.1
-40°	15.4	11.2	10.4	8.7	8.1	8.1	8.1
-42.5°	14.7	11.3	10.3	8.5	8.1	8.1	8.1
-45°	13.8	11.3	10.2	8.4	8.1	8.1	8.1
-47.5°	12.8	11.3	10.0	8.3	8.1	8.1	8.1
-50°	12.5	11.2	9.8	8.3	8.1	8.1	8.1
-52.5°	12.4	11.1	9.5	8.3	8.1	8.1	8.1
-55°	12.2	10.9	9.3	8.3	8.1	8.1	8.1
-57.5°	12.0	10.6	9.1	8.4	8.1	8.1	8.1
-60°	11.7	10.2	8.8	8.4	8.1	8.1	8.1
-62.5°	11.3	9.9	8.9	8.4	8.1	8.1	8.1
-65°	10.9	9.6	8.9	8.5	8.1	8.1	8.1
-67.5°	10.4	9.4	9.0	8.5	8.1	8.1	8.1
-70°	10.0	9.5	9.0	8.5	8.1	8.1	8.1
-72.5°	10.0	9.5	9.0	8.5	8.1	8.1	8.1
-75°	10.0	9.5	9.0	8.4	8.1	8.1	8.1
-77.5°	10.0	9.5	8.9	8.4	8.1	8.1	8.1
-80°	10.1	9.4	8.8	8.3	8.1	8.1	8.1
-82.5°	9.6	9.1	8.6	8.3	8.1	8.1	8.1
-85°	9.1	8.7	8.4	8.2	8.1	8.1	8.1
-87.5°	8.6	8.4	8.3	8.2	8.1	8.1	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(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

