

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: P701640 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-4S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701640 (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-08-0680R-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

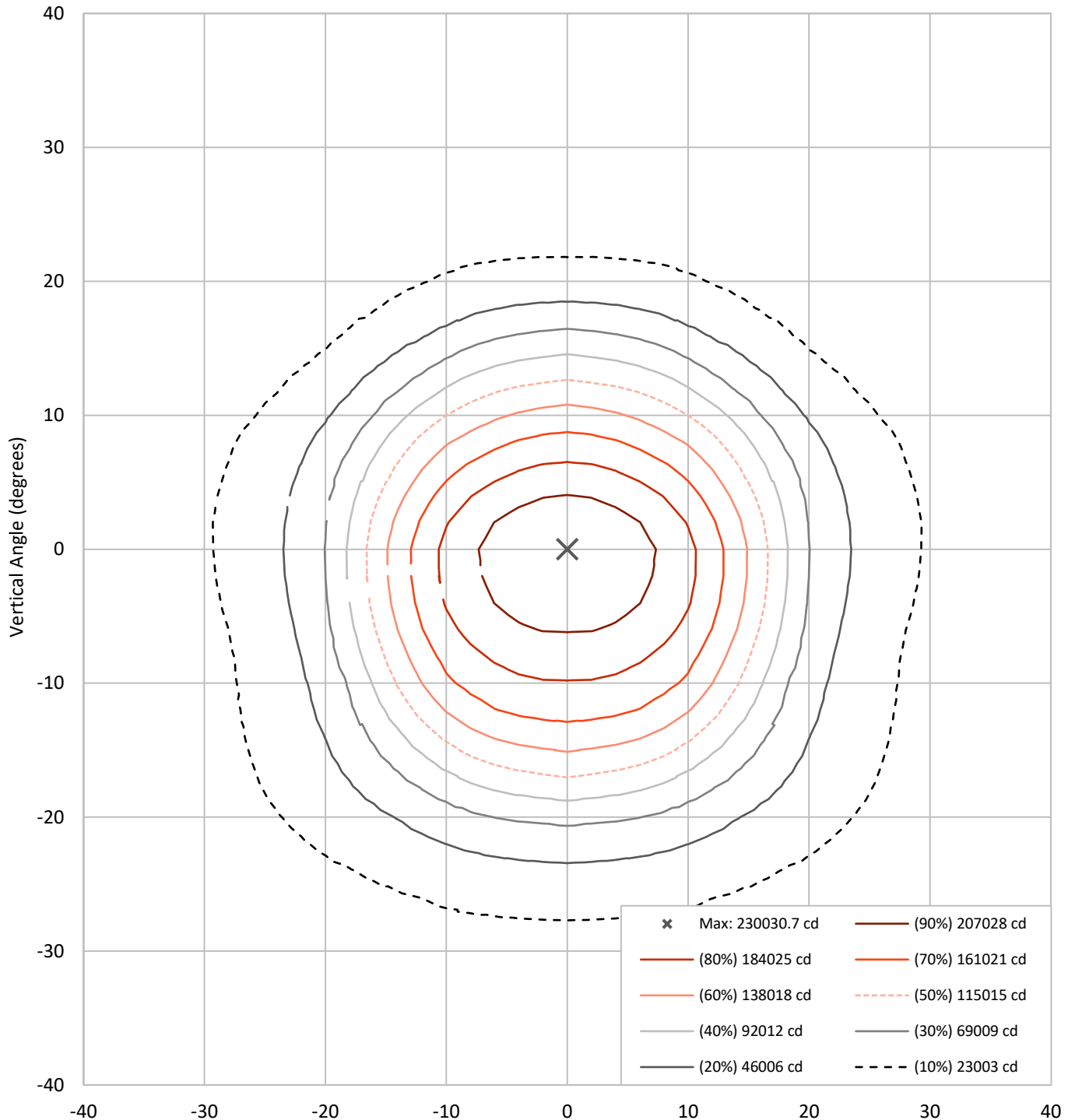
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	73620.2 lumens	Max Intensity:	230030.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	105.5 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:	40397.8 lumens	Field Lumens:	64726 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

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





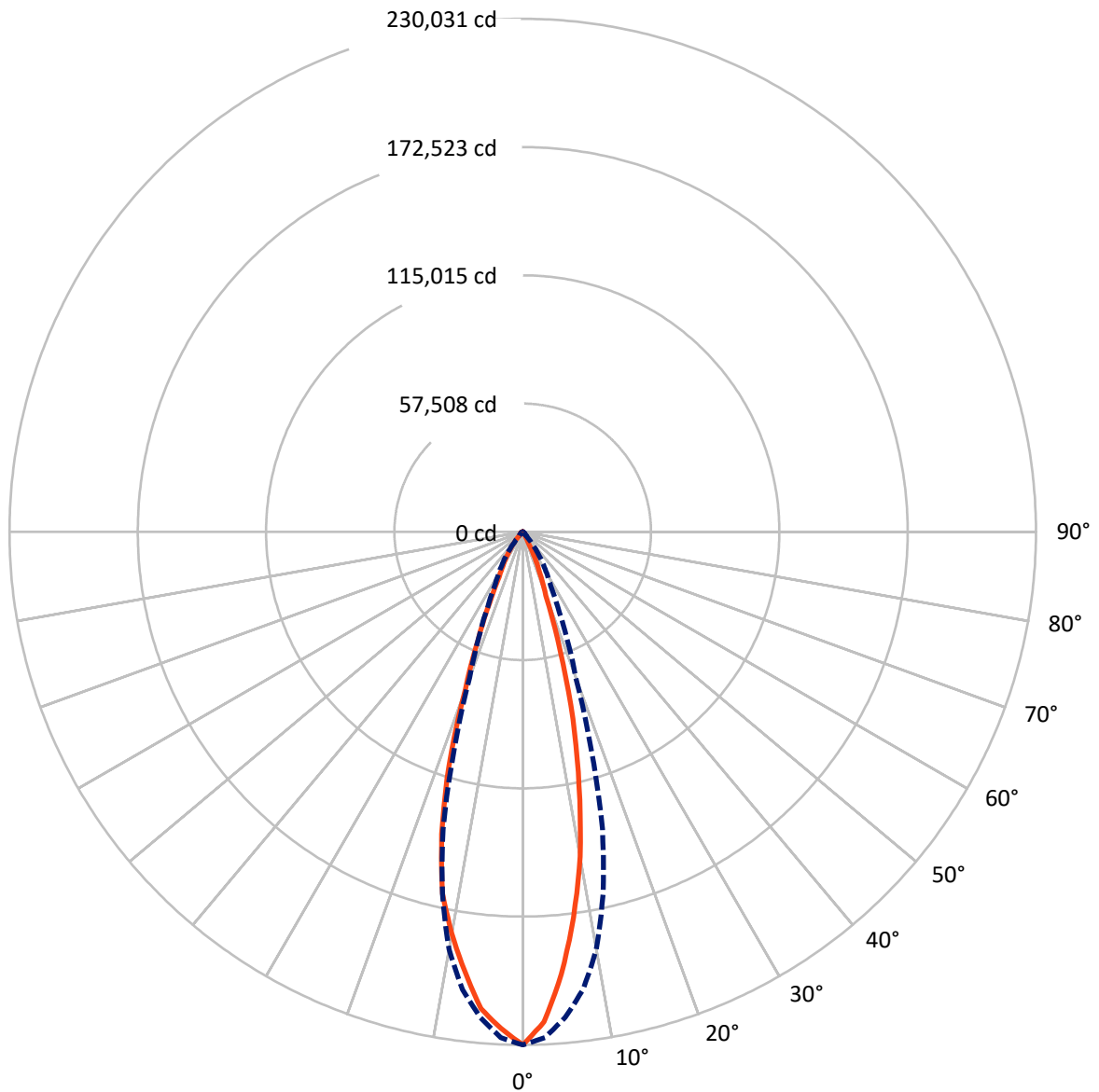
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Lumen Table

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	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.2	0.1	0.2			
50		0.1	0.3	0.8	0.8	0.4	0.3	0.4	0.4	0.3	0.4	0.8	0.8	0.3	0.1				
40	0.2	0.2	0.4	0.6	0.7	0.9	1.2	1.4	1.4	1.2	0.9	0.7	0.6	0.4	0.2	0.2			
30		0.2	0.8	1.8	3.1	6.9	13.9	19.1	19.1	13.9	6.9	3.1	1.8	0.8	0.2				
20	0.2	0.4	2.7	7.3	27.0	98.1	232.5	393.3	393.3	232.5	98.1	27.0	7.3	2.7	0.4	0.2			
10		0.9	6.0	19.4	119.2	412.7	1266.3	2392.5	2392.5	1266.3	412.7	119.2	19.4	6.0	0.9				
0	0.3	1.7	10.3	36.6	277.6	988.7	3279.8	5541.8	5541.8	3279.8	988.7	277.6	36.6	10.3	1.7	0.3			
-10		2.8	13.7	43.4	289.3	1019.6	3681.2	6084.2	6084.2	3681.2	1019.6	289.3	43.4	13.7	2.8				
-20	0.5	3.3	14.0	37.4	225.8	751.7	2198.5	3840.8	3840.8	2198.5	751.7	225.8	37.4	14.0	3.3	0.5			
-30		3.0	12.0	25.7	97.5	356.7	742.5	1111.3	1111.3	742.5	356.7	97.5	25.7	12.0	3.0				
-40	0.4	2.4	9.1	17.8	33.5	96.4	218.8	309.0	309.0	218.8	96.4	33.5	17.8	9.1	2.4	0.4			
-50		1.5	6.2	13.5	22.0	33.5	49.0	64.2	64.2	49.0	33.5	22.0	13.5	6.2	1.5				
-60	0.3	0.7	3.2	8.9	16.3	23.5	30.2	34.2	34.2	30.2	23.5	16.3	8.9	3.2	0.7	0.3			
-70		0.3	1.2	3.7	7.9	13.6	19.5	22.9	22.9	19.5	13.6	7.9	3.7	1.2	0.3				
-80	0.2	0.8		2.9		7.7		10.9		7.7		2.9		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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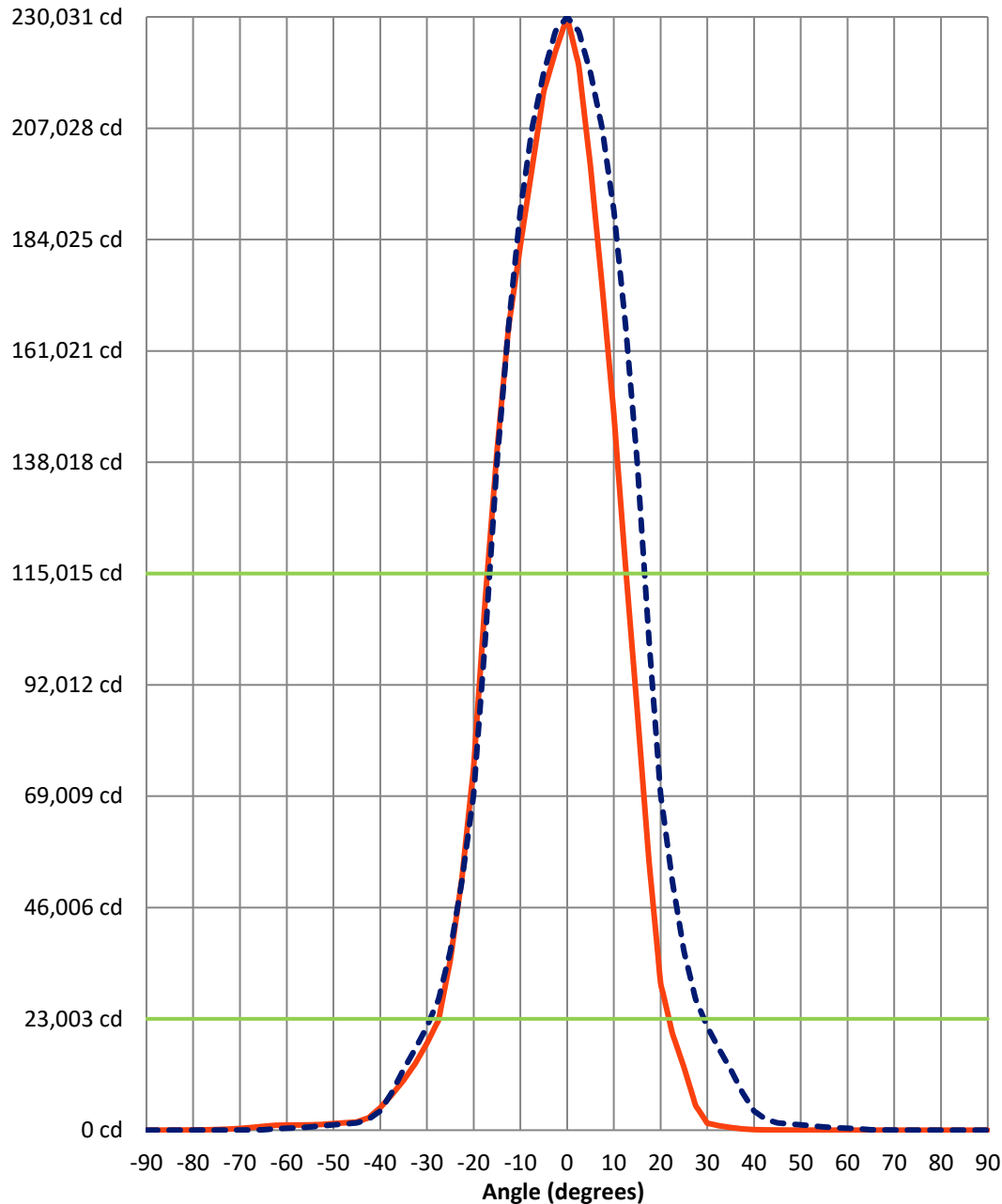
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.2°
 V Angle: 29.7°
 Lumens: 40397.8
 Efficiency: 54.9%

Field:
 H Angle: 58.6°
 V Angle: 49.3°
 Lumens: 64726
 Efficiency: 87.9%

Spill:
 Lumens: 8894.2
 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°	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	8.2	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.4	8.5	8.4	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.2	8.7	8.9	8.9	8.6	8.2
75°	8.1	8.1	8.1	8.1	8.2	8.7	9.2	9.4	9.2	8.7	8.3
72.5°	8.1	8.1	8.1	8.1	8.5	9.1	9.7	9.8	9.3	8.8	8.3
70°	8.1	8.1	8.1	8.1	8.8	9.5	10.1	9.8	9.3	8.9	8.9
67.5°	8.1	8.1	8.1	8.4	9.1	9.9	10.1	9.9	9.4	9.3	9.6
65°	8.1	8.1	8.1	8.6	9.5	10.1	10.1	9.9	9.7	9.8	10.1
62.5°	8.1	8.1	8.1	8.9	9.8	10.1	10.1	10.0	9.9	10.1	10.1
60°	8.1	8.1	8.1	9.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
57.5°	8.1	8.1	8.2	9.3	10.1	10.1	10.1	10.1	10.1	10.1	10.1
55°	8.1	8.1	8.4	9.5	10.1	10.1	10.1	10.1	10.1	10.1	10.1
52.5°	8.1	8.1	8.5	9.7	10.1	10.1	10.1	10.1	10.1	10.1	10.1
50°	8.1	8.1	8.7	10.0	10.1	10.1	10.1	10.1	10.1	10.1	11.0
47.5°	8.1	8.1	8.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	11.9
45°	8.1	8.1	8.9	10.1	10.1	10.1	10.1	10.1	10.2	10.8	12.7
42.5°	8.1	8.1	9.0	10.1	10.1	10.1	10.1	10.2	10.3	11.3	13.2
40°	8.1	8.1	9.2	10.1	10.1	10.1	10.1	10.3	10.6	11.8	13.6
37.5°	8.1	8.1	9.3	10.1	10.1	10.1	10.1	10.6	11.2	12.5	14.0
35°	8.1	8.1	9.4	10.1	10.1	10.1	10.1	10.8	11.8	13.1	14.4
32.5°	8.1	8.1	9.5	10.1	10.1	10.1	10.2	11.1	12.4	13.8	15.4
30°	8.1	8.1	9.6	10.1	10.1	10.1	10.4	11.4	12.9	14.3	16.7
27.5°	8.1	8.1	9.6	10.1	10.1	10.1	10.6	11.9	13.4	14.9	18.3
25°	8.1	8.1	9.7	10.1	10.1	10.1	10.9	12.3	13.9	15.9	20.3
22.5°	8.1	8.1	9.8	10.1	10.1	10.1	11.1	12.7	14.4	17.3	24.5
20°	8.1	8.1	9.9	10.1	10.1	10.3	11.4	13.1	14.8	18.9	28.8
17.5°	8.1	8.1	9.9	10.1	10.1	10.5	11.7	13.4	15.2	20.5	33.2
15°	8.1	8.1	10.0	10.1	10.1	10.7	11.9	13.8	15.6	22.3	37.5
12.5°	8.1	8.1	10.0	10.1	10.1	10.9	12.0	14.2	16.7	24.0	41.7
10°	8.1	8.1	10.0	10.1	10.1	11.2	12.1	14.6	18.5	28.0	47.6
7.5°	8.1	8.1	10.1	10.1	10.1	11.4	12.2	15.1	20.4	32.3	57.2
5°	8.1	8.1	10.1	10.1	10.1	11.7	12.2	15.5	22.5	36.5	66.9
2.5°	8.1	8.1	10.1	10.1	10.1	12.0	12.2	15.9	24.5	40.7	76.3
0°	8.1	8.1	10.1	10.1	10.1	12.2	12.2	16.2	26.4	44.6	85.2
-2.5°	8.1	8.1	10.1	10.1	10.1	12.2	13.3	19.4	34.0	59.1	110.2
-5°	8.1	8.1	10.1	10.1	10.1	12.2	14.3	22.4	41.3	72.9	133.8
-7.5°	8.1	8.1	10.1	10.1	10.1	12.1	15.3	25.2	48.0	85.6	155.3
-10°	8.1	8.1	10.0	10.1	10.1	12.0	16.1	27.6	53.9	97.0	174.2
-12.5°	8.1	8.1	10.0	10.1	10.1	11.9	16.8	29.7	58.8	106.7	186.7
-15°	8.1	8.1	10.0	10.1	10.1	11.8	17.3	31.4	62.9	114.1	194.9
-17.5°	8.1	8.1	9.9	10.1	10.1	11.7	17.5	33.1	66.3	119.6	200.3
-20°	8.1	8.1	9.9	10.1	10.1	11.6	17.9	34.8	68.2	123.0	202.9



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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	9.8	10.1	10.1	11.4	18.7	35.8	68.7	124.1	202.4
-25°	8.1	8.1	9.7	10.1	10.1	11.5	19.0	36.2	67.5	122.8	198.7
-27.5°	8.1	8.1	9.6	10.1	10.1	11.7	18.9	35.9	64.6	119.9	196.7
-30°	8.1	8.1	9.6	10.1	10.1	11.7	18.4	34.9	62.7	116.5	191.6
-32.5°	8.1	8.1	9.5	10.1	10.2	11.6	17.4	34.1	61.4	110.6	183.0
-35°	8.1	8.1	9.4	10.1	10.3	11.4	16.9	32.9	59.0	102.2	170.9
-37.5°	8.1	8.1	9.3	10.1	10.4	11.2	16.6	30.9	55.5	91.4	152.2
-40°	8.1	8.1	9.2	10.1	10.4	11.3	16.0	28.3	51.0	84.2	134.0
-42.5°	8.1	8.1	9.0	10.1	10.5	11.3	15.2	24.9	46.6	76.2	114.8
-45°	8.1	8.1	8.9	10.2	10.5	11.3	14.2	22.1	41.9	67.3	96.2
-47.5°	8.1	8.1	8.8	10.2	10.6	11.3	12.9	20.5	36.2	57.8	85.5
-50°	8.1	8.1	8.7	10.1	10.7	11.3	12.6	18.5	29.2	49.7	74.1
-52.5°	8.1	8.1	8.5	9.9	10.7	11.2	12.4	16.3	24.8	41.0	62.2
-55°	8.1	8.1	8.4	9.8	10.8	11.2	12.3	13.9	21.4	31.7	51.5
-57.5°	8.1	8.1	8.2	9.6	10.8	11.3	12.0	13.6	17.8	26.1	40.0
-60°	8.1	8.1	8.1	9.4	10.9	11.3	11.8	13.2	14.6	21.4	30.1
-62.5°	8.1	8.1	8.1	9.2	10.6	11.4	11.9	12.7	14.0	16.3	24.1
-65°	8.1	8.1	8.1	9.0	10.3	11.4	11.9	12.4	13.5	14.8	17.7
-67.5°	8.1	8.1	8.1	8.8	10.0	11.3	12.0	12.4	12.9	14.1	15.3
-70°	8.1	8.1	8.1	8.6	9.7	10.9	12.0	12.3	12.7	13.5	14.6
-72.5°	8.1	8.1	8.1	8.5	9.4	10.5	11.6	12.2	12.5	13.0	13.9
-75°	8.1	8.1	8.1	8.4	9.1	10.1	11.1	11.7	12.2	12.6	13.1
-77.5°	8.1	8.1	8.1	8.4	8.9	9.7	10.6	11.1	11.6	12.0	12.4
-80°	8.1	8.1	8.1	8.3	8.8	9.4	10.1	10.5	10.9	11.2	11.5
-82.5°	8.1	8.1	8.1	8.3	8.6	9.1	9.6	9.9	10.1	10.4	10.7
-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-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°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.6	7.1	6.6
87.5°	7.6	7.1	6.6	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6
85°	7.6	7.1	6.7	6.4	6.4	6.4	6.3	6.1	5.8	5.6	5.5
82.5°	7.8	7.6	7.5	7.5	7.4	7.1	6.6	6.1	6.1	6.1	6.1
80°	8.0	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	8.5	8.3
70°	9.2	9.3	8.9	8.4	8.1	8.4	9.5	10.6	11.3	11.3	11.7
67.5°	10.0	9.5	9.0	8.8	9.7	11.0	12.2	13.8	15.5	16.1	16.9
65°	10.0	9.6	9.6	10.5	12.0	13.6	15.4	17.5	21.9	24.5	25.8
62.5°	10.1	10.0	10.6	12.1	14.2	16.1	19.3	24.3	30.9	35.4	35.6
60°	10.1	10.3	11.9	14.1	16.3	19.0	23.7	31.2	41.1	48.6	44.3
57.5°	10.1	11.3	13.7	15.9	18.1	21.2	28.4	38.1	48.2	59.0	50.4
55°	10.6	12.9	15.2	17.2	20.0	24.0	31.5	40.6	51.8	54.8	45.1
52.5°	12.0	14.3	16.1	18.5	22.0	25.8	31.0	39.0	42.6	43.4	37.5
50°	13.2	15.0	16.8	19.7	23.3	26.4	28.0	32.8	34.2	32.5	29.2
47.5°	13.9	15.6	17.4	20.6	24.2	26.8	26.9	27.1	26.6	26.2	21.6
45°	14.5	16.2	18.0	21.5	25.3	27.7	26.4	22.6	25.7	24.8	23.7
42.5°	15.0	16.8	19.7	22.5	27.6	29.0	26.9	27.9	28.8	30.0	30.5
40°	15.5	17.4	22.2	27.6	30.5	31.2	34.5	37.1	35.9	39.4	41.4
37.5°	15.9	20.1	26.9	36.9	33.7	38.2	44.5	54.6	55.0	51.8	59.5
35°	16.3	23.3	38.2	49.1	46.5	49.2	65.9	79.1	83.2	78.7	83.7
32.5°	18.3	26.8	52.6	63.9	70.4	73.7	92.7	112.7	127.8	130.7	118.4
30°	22.0	39.9	69.0	81.7	100.6	118.8	132.0	156.2	187.2	211.3	221.3
27.5°	26.9	55.7	86.1	109.2	137.8	169.0	191.7	222.0	272.4	315.8	351.4
25°	32.1	77.4	105.3	142.7	185.4	225.6	260.7	311.1	377.9	449.8	574.8
22.5°	43.7	102.1	134.1	179.7	236.1	286.5	344.8	416.5	502.1	600.7	832.6
20°	62.5	126.4	168.8	221.0	290.6	350.2	432.5	524.0	640.7	851.2	1244.9
17.5°	82.7	152.5	204.3	269.9	356.2	431.6	523.9	630.9	785.4	1122.2	1897.6
15°	103.6	179.9	238.2	321.6	427.9	535.5	647.0	763.4	984.6	1505.7	2728.7
12.5°	124.7	208.1	270.4	375.1	503.9	644.0	776.9	925.0	1245.0	2164.7	3959.9
10°	145.5	236.4	300.9	429.1	582.3	755.0	905.8	1080.2	1515.5	2761.7	5060.9
7.5°	179.7	273.4	333.4	482.3	661.1	865.9	1032.3	1228.0	1779.9	3282.1	6074.9
5°	215.9	318.8	385.3	547.4	739.0	964.7	1146.6	1367.3	2030.2	3719.8	7026.1
2.5°	250.4	362.4	435.9	610.0	811.9	1041.5	1219.2	1445.4	2164.0	3924.4	7613.6
0°	282.0	403.7	484.8	667.4	878.4	1109.6	1284.1	1513.3	2245.6	3963.8	7801.9
-2.5°	320.3	449.0	535.3	713.0	914.7	1149.6	1325.3	1564.9	2330.1	4185.5	7835.9
-5°	353.1	490.9	583.5	753.6	945.2	1180.8	1359.7	1605.1	2369.5	4286.4	7671.2
-7.5°	379.7	529.2	629.0	785.8	961.0	1187.1	1372.3	1611.7	2342.0	4234.4	7334.1
-10°	395.7	545.4	640.0	785.2	955.8	1173.9	1372.4	1606.0	2262.9	4018.9	6860.6
-12.5°	384.1	540.9	642.0	779.3	946.1	1151.7	1362.7	1587.5	2128.2	3620.9	6306.6
-15°	369.7	533.7	640.7	767.9	932.1	1120.5	1342.4	1556.2	1918.3	3003.8	5622.4
-17.5°	353.3	523.8	635.8	751.0	914.4	1080.4	1301.2	1474.5	1701.0	2559.3	4833.7
-20°	335.4	511.3	627.2	728.6	892.6	1022.6	1204.2	1382.7	1589.3	2176.4	3772.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	316.8	496.3	612.9	714.0	837.4	955.9	1102.1	1277.0	1466.4	1700.6	2644.2
-25°	305.9	468.3	592.3	680.2	777.6	887.9	997.3	1158.8	1338.0	1526.7	2023.3
-27.5°	300.2	441.2	558.7	646.4	720.0	819.9	912.9	1041.8	1208.0	1369.3	1526.7
-30°	290.4	402.8	524.5	611.4	678.1	756.9	837.0	941.6	1089.1	1230.7	1361.2
-32.5°	269.5	363.7	482.3	572.5	641.1	698.5	777.7	871.1	984.5	1107.6	1212.6
-35°	243.8	333.0	436.8	533.6	604.6	659.0	730.3	808.8	892.1	998.7	1124.4
-37.5°	219.9	299.5	391.5	490.1	562.8	628.9	683.8	754.3	826.2	905.2	1030.9
-40°	194.2	263.5	350.6	441.2	525.3	593.9	650.9	703.7	766.5	845.5	929.4
-42.5°	167.6	233.2	308.6	393.3	477.7	551.7	616.3	665.1	718.7	786.7	861.4
-45°	145.4	201.3	265.7	345.8	425.5	503.3	569.2	630.7	682.2	732.2	796.8
-47.5°	122.4	169.8	229.1	297.5	373.1	446.1	517.5	585.4	650.9	697.6	737.2
-50°	101.3	143.8	192.1	254.8	320.9	389.2	456.0	535.5	604.9	663.8	709.8
-52.5°	87.8	116.9	161.3	212.7	272.2	333.7	399.6	472.7	547.9	618.0	671.8
-55°	73.6	98.6	130.0	174.5	224.9	280.7	342.4	409.5	477.9	548.3	617.2
-57.5°	59.9	82.1	106.1	137.1	180.8	228.5	285.1	344.6	407.5	471.4	535.1
-60°	46.1	65.6	87.2	109.9	136.5	179.5	226.3	278.6	334.5	391.9	449.4
-62.5°	32.9	48.9	67.8	88.3	109.5	132.8	170.6	214.2	259.3	307.0	356.9
-65°	25.5	33.9	47.9	65.9	85.2	105.6	128.1	152.7	190.3	227.2	262.4
-67.5°	17.9	25.6	33.2	42.5	59.0	76.5	95.4	115.8	137.7	159.2	184.4
-70°	16.0	18.1	24.1	30.9	37.4	46.0	61.3	77.8	94.7	111.1	129.1
-72.5°	15.0	16.6	18.7	21.4	26.8	32.2	37.4	42.4	52.4	65.8	79.1
-75°	13.9	15.0	16.5	18.4	20.5	22.8	25.5	30.0	34.1	38.1	42.2
-77.5°	12.9	13.6	14.5	15.5	16.8	18.5	20.3	22.3	24.0	25.6	27.3
-80°	11.9	12.2	12.7	13.3	14.1	15.0	16.0	17.1	17.9	18.8	19.9
-82.5°	10.9	11.1	11.4	11.6	11.7	12.0	12.3	12.9	13.5	14.0	14.5
-85°	9.9	10.1	10.3	10.4	10.2	10.0	9.9	9.8	10.0	10.3	10.5
-87.5°	9.0	9.1	9.2	9.2	9.0	8.7	8.4	8.1	8.0	7.9	7.8
-90°	7.6	7.1	6.6	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6



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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	7.1	8.1	9.1	10.1	11.1	12.2
87.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.5	2.0	2.0	2.0
85°	5.4	5.1	4.8	4.5	4.1	4.0	4.0	4.0	4.0	3.5	3.0
82.5°	6.1	5.6	5.1	4.6	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	6.1	5.7	5.2	4.7	4.2	4.1	4.1	4.1	4.1	3.6	3.1
77.5°	6.2	5.8	5.5	5.3	5.2	5.1	4.9	4.5	4.2	3.6	3.1
75°	6.3	6.2	6.3	6.3	6.2	5.7	5.2	4.7	4.2	4.0	4.0
72.5°	8.0	7.6	7.5	7.7	7.7	7.5	7.1	6.5	5.9	5.8	5.9
70°	11.9	12.1	12.2	12.0	11.3	10.4	9.6	8.8	7.9	7.7	7.8
67.5°	18.0	18.2	17.6	16.3	14.3	12.4	11.6	10.8	9.9	9.7	9.8
65°	25.8	23.9	21.9	19.6	16.9	14.0	13.2	12.4	11.8	11.9	12.5
62.5°	33.4	27.3	21.9	18.6	16.0	14.0	13.1	12.2	11.3	10.9	11.3
60°	36.8	26.1	19.0	16.8	14.7	12.5	11.3	10.3	9.4	8.9	9.2
57.5°	36.9	25.6	17.6	15.0	12.7	10.8	9.8	9.2	8.6	8.2	8.7
55°	32.8	22.7	14.9	12.8	11.5	10.6	10.0	9.9	9.7	9.4	9.8
52.5°	26.4	19.0	13.9	12.0	12.0	12.1	12.0	12.0	12.2	12.6	13.1
50°	21.0	16.2	14.7	13.8	14.3	14.4	14.1	14.9	15.9	16.6	17.1
47.5°	19.2	17.7	17.8	17.4	18.1	19.5	19.8	20.4	22.0	22.9	23.6
45°	21.4	22.9	23.9	25.6	26.6	28.9	29.6	29.6	33.0	35.3	36.5
42.5°	29.9	32.5	35.6	38.8	40.4	43.4	46.5	48.1	53.2	57.2	58.8
40°	45.1	46.6	53.3	57.4	60.4	64.1	73.5	79.8	89.5	107.8	121.0
37.5°	66.3	71.2	75.2	81.0	93.7	99.9	130.0	157.2	175.9	221.3	246.9
35°	97.1	110.5	105.9	131.9	163.9	204.2	248.2	313.6	365.4	426.7	483.3
32.5°	152.2	184.8	216.3	246.5	318.6	434.4	437.6	560.0	641.9	741.2	828.6
30°	240.9	356.1	501.0	549.0	752.2	979.3	916.3	1104.1	1290.2	1400.9	1783.0
27.5°	475.3	735.0	1023.0	1389.1	1767.7	2158.1	2416.7	2507.2	3448.5	4140.7	5041.7
25°	813.3	1268.9	2073.6	2666.4	3331.2	4198.3	4699.2	5373.5	6943.7	8900.3	10420.1
22.5°	1296.1	2092.2	3155.4	4052.4	5048.9	6217.5	7274.4	8890.9	11332.6	14003.4	16275.5
20°	1837.3	2863.7	4210.8	5554.7	6861.0	8383.9	10222.7	13523.8	17296.4	21483.1	25268.0
17.5°	2835.6	3844.9	5570.0	7407.4	9263.4	11097.6	15141.4	20030.2	25936.0	32139.6	37649.5
15°	4262.2	5895.7	7606.9	10036.3	13125.5	16650.6	21771.8	30346.3	39518.8	49200.4	60742.2
12.5°	6124.0	8492.1	11059.0	13871.9	18060.4	24495.3	32990.7	43456.7	56585.9	71110.7	87534.4
10°	8023.9	11439.2	14974.2	18991.5	24511.9	32800.4	43771.6	56876.3	77523.7	97874.4	115015.5
7.5°	9568.6	13548.9	18008.8	23345.3	30540.5	40639.8	54197.7	73137.1	97760.3	121974.0	141149.9
5°	11018.0	15390.3	20033.3	25485.7	34160.2	46338.9	62666.7	86296.2	115753.6	141505.4	162053.3
2.5°	12069.3	16662.2	21465.5	27013.3	36903.0	49803.3	67729.4	97040.2	130945.6	157329.8	180890.3
0°	12534.6	16784.5	21379.2	27071.4	36993.2	51570.5	69484.9	101577.0	137977.9	166342.5	190008.9
-2.5°	11957.6	16083.5	20825.0	26385.9	36331.8	50335.3	68840.3	101066.2	137592.1	166358.3	189691.3
-5°	11347.2	15258.6	19660.2	24800.4	33869.6	46890.5	65770.7	96561.3	131612.0	160531.9	183293.1
-7.5°	10696.4	14276.4	18214.3	22826.1	30871.9	43401.8	60933.2	86920.6	119683.5	149129.1	170535.9
-10°	9952.4	13211.5	17352.6	22240.5	29244.8	40136.5	54634.9	75454.0	106140.8	133498.8	157002.2
-12.5°	9515.6	12991.8	17129.8	21619.5	27269.6	36868.0	50059.6	67818.6	88824.6	114237.3	135150.6
-15°	8954.1	12472.8	16576.7	20788.8	26018.8	33513.0	43928.3	56972.3	72955.9	90081.1	108643.7
-17.5°	8031.1	11547.7	14852.6	18805.8	23773.2	29694.2	37178.9	47302.0	57907.1	70041.1	81146.9
-20°	6510.9	9351.6	12477.0	16201.8	20472.0	24958.9	29957.2	36854.6	43581.9	52076.8	58896.4



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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°	4684.3	7085.4	9793.2	12871.6	16253.1	20094.6	23859.9	27499.8	32110.3	37487.4	42966.8
-25°	3050.8	4827.2	7172.0	9694.9	12056.6	15126.5	17831.7	20005.5	23114.5	25547.6	28868.2
-27.5°	2112.6	3267.2	5013.8	7024.0	8886.9	10851.9	13054.1	14538.2	16960.1	18276.3	20311.8
-30°	1545.8	2193.8	3450.0	4953.5	6576.4	8249.0	9821.2	11453.0	13137.7	14627.4	15757.1
-32.5°	1370.8	1625.3	2244.9	3327.0	4596.9	5999.4	7330.7	8753.3	10095.4	11250.2	12182.1
-35°	1252.0	1394.8	1589.4	2161.6	2919.4	4014.4	5061.7	6213.2	7291.2	8183.9	8932.1
-37.5°	1157.9	1272.2	1394.7	1520.3	1945.7	2424.9	3169.4	3969.6	4661.4	5451.7	6062.2
-40°	1051.0	1173.1	1271.3	1371.5	1484.3	1604.5	2007.5	2365.7	2756.6	3290.1	3726.1
-42.5°	940.8	1047.1	1157.6	1250.8	1335.9	1425.8	1516.4	1596.6	1795.1	2030.3	2208.9
-45°	864.6	939.7	1020.7	1119.6	1211.2	1289.0	1362.3	1432.5	1504.5	1571.1	1626.3
-47.5°	797.3	858.1	924.8	992.7	1061.6	1141.7	1216.8	1288.1	1350.6	1407.3	1453.0
-50°	748.3	790.3	845.8	899.3	958.3	1014.1	1064.0	1122.4	1186.4	1244.6	1291.0
-52.5°	723.4	760.2	792.0	830.5	883.6	930.4	971.5	1017.8	1062.2	1103.0	1132.8
-55°	674.6	722.7	769.2	812.4	849.1	882.6	918.1	963.6	1002.6	1036.2	1054.7
-57.5°	598.2	659.9	718.4	773.3	824.9	873.5	913.7	949.8	986.0	1020.3	1036.1
-60°	507.8	566.8	627.8	693.9	760.5	826.7	875.6	922.1	966.1	1002.9	1022.4
-62.5°	410.6	464.4	519.1	578.5	641.8	703.9	757.1	812.7	869.6	918.7	950.0
-65°	300.3	346.1	395.0	443.8	491.9	541.5	589.0	635.8	681.2	718.0	743.6
-67.5°	215.2	244.8	275.1	306.4	343.7	382.0	417.1	451.1	483.5	509.5	528.7
-70°	148.0	167.1	184.9	204.8	228.7	252.0	273.6	294.2	313.4	329.7	343.4
-72.5°	92.1	104.6	117.0	130.9	144.6	157.5	169.8	181.2	191.8	201.5	210.2
-75°	46.2	52.1	61.9	71.2	80.0	89.2	97.6	105.0	111.4	116.8	121.4
-77.5°	30.0	33.7	37.3	40.7	43.8	48.1	52.7	57.5	62.2	66.1	69.7
-80°	21.0	23.0	25.2	27.5	29.7	32.4	35.1	37.8	40.5	42.2	43.7
-82.5°	15.0	16.1	17.4	18.6	19.9	21.9	23.8	25.7	27.5	28.8	30.0
-85°	10.7	11.2	11.8	12.4	13.0	14.7	16.5	18.2	19.8	21.0	22.1
-87.5°	7.7	7.8	7.8	7.9	7.9	9.4	11.0	12.5	14.1	14.6	15.2
-90°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.5	2.0	2.0	2.0



REPORT NUMBER: P701640 (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°
90°	13.2	14.2	14.2	14.2	14.2	14.2	13.2	12.2	11.1	10.1	9.1
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	3.0	3.5	4.0	4.0
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.6	3.1	3.6	4.2	4.5
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.7
72.5°	6.0	6.0	6.1	6.1	6.1	6.0	6.0	5.9	5.8	5.9	6.5
70°	8.0	8.0	7.2	6.1	7.2	8.0	8.0	7.8	7.7	7.9	8.8
67.5°	9.9	10.0	11.0	12.2	11.0	10.0	9.9	9.8	9.7	9.9	10.8
65°	13.2	13.9	13.3	12.2	13.3	13.9	13.2	12.5	11.9	11.8	12.4
62.5°	11.7	12.2	11.3	10.1	11.3	12.2	11.7	11.3	10.9	11.3	12.2
60°	9.6	10.1	10.1	10.1	10.1	10.1	9.6	9.2	8.9	9.4	10.3
57.5°	9.3	9.9	10.1	10.1	10.1	9.9	9.3	8.7	8.2	8.6	9.2
55°	10.0	10.1	10.1	10.1	10.1	10.1	10.0	9.8	9.4	9.7	9.9
52.5°	13.6	13.9	14.1	14.2	14.1	13.9	13.6	13.1	12.6	12.2	12.0
50°	17.6	18.0	18.2	18.3	18.2	18.0	17.6	17.1	16.6	15.9	14.9
47.5°	24.1	24.2	24.2	24.3	24.2	24.2	24.1	23.6	22.9	22.0	20.4
45°	37.1	36.6	36.2	36.5	36.2	36.6	37.1	36.5	35.3	33.0	29.6
42.5°	60.3	60.5	60.3	60.9	60.3	60.5	60.3	58.8	57.2	53.2	48.1
40°	124.6	120.2	113.7	113.6	113.7	120.2	124.6	121.0	107.8	89.5	79.8
37.5°	259.5	264.0	263.5	267.8	263.5	264.0	259.5	246.9	221.3	175.9	157.2
35°	526.3	549.9	555.2	553.8	555.2	549.9	526.3	483.3	426.7	365.4	313.6
32.5°	866.7	898.1	906.8	918.9	906.8	898.1	866.7	828.6	741.2	641.9	560.0
30°	1523.8	1566.0	1525.8	1444.3	1525.8	1566.0	1523.8	1783.0	1400.9	1290.2	1104.1
27.5°	5521.5	5724.0	5268.2	5101.9	5268.2	5724.0	5521.5	5041.7	4140.7	3448.5	2507.2
25°	11252.7	12148.3	13066.3	12984.9	13066.3	12148.3	11252.7	10420.1	8900.3	6943.7	5373.5
22.5°	18160.4	19068.0	19824.4	20085.0	19824.4	19068.0	18160.4	16275.5	14003.4	11332.6	8890.9
20°	28764.6	30532.2	31797.8	30449.0	31797.8	30532.2	28764.6	25268.0	21483.1	17296.4	13523.8
17.5°	45978.4	51301.1	54066.1	55812.3	54066.1	51301.1	45978.4	37649.5	32139.6	25936.0	20030.2
15°	71373.6	79400.8	83847.9	86792.8	83847.9	79400.8	71373.6	60742.2	49200.4	39518.8	30346.3
12.5°	100660.6	109412.5	113343.1	116551.0	113343.1	109412.5	100660.6	87534.4	71110.7	56585.9	43456.7
10°	128501.7	137957.0	144503.5	147905.7	144503.5	137957.0	128501.7	115015.5	97874.4	77523.7	56876.3
7.5°	154011.0	165577.4	172220.5	174335.1	172220.5	165577.4	154011.0	141149.9	121974.0	97760.3	73137.1
5°	178962.4	189282.3	197271.3	199082.7	197271.3	189282.3	178962.4	162053.3	141505.4	115753.6	86296.2
2.5°	198173.9	210542.0	217714.5	219882.8	217714.5	210542.0	198173.9	180890.3	157329.8	130945.6	97040.2
0°	206977.9	218492.2	226984.8	230030.7	226984.8	218492.2	206977.9	190008.9	166342.5	137977.9	101577.0
-2.5°	205136.5	215747.5	221826.5	222874.0	221826.5	215747.5	205136.5	189691.3	166358.3	137592.1	101066.2
-5°	198659.9	208409.2	214413.4	214585.1	214413.4	208409.2	198659.9	183293.1	160531.9	131612.0	96561.3
-7.5°	184433.8	193550.5	197736.4	198787.6	197736.4	193550.5	184433.8	170535.9	149129.1	119683.5	86920.6
-10°	169954.2	178412.3	182367.7	182805.4	182367.7	178412.3	169954.2	157002.2	133498.8	106140.8	75454.0
-12.5°	151198.6	160248.7	164198.1	166055.4	164198.1	160248.7	151198.6	135150.6	114237.3	88824.6	67818.6
-15°	123288.1	132039.5	136777.6	140276.3	136777.6	132039.5	123288.1	108643.7	90081.1	72955.9	56972.3
-17.5°	93382.2	100883.3	105552.6	109802.9	105552.6	100883.3	93382.2	81146.9	70041.1	57907.1	47302.0
-20°	66484.2	71261.2	72728.4	75018.9	72728.4	71261.2	66484.2	58896.4	52076.8	43581.9	36854.6



REPORT NUMBER: P701640 (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°	46695.2	49411.3	51131.7	52104.1	51131.7	49411.3	46695.2	42966.8	37487.4	32110.3	27499.8
-25°	31656.0	33539.7	34272.3	35116.7	34272.3	33539.7	31656.0	28868.2	25547.6	23114.5	20005.5
-27.5°	21204.5	21978.0	22506.3	22793.1	22506.3	21978.0	21204.5	20311.8	18276.3	16960.1	14538.2
-30°	16666.5	17373.8	17798.0	17932.6	17798.0	17373.8	16666.5	15757.1	14627.4	13137.7	11453.0
-32.5°	12903.5	13438.2	13724.0	13761.9	13724.0	13438.2	12903.5	12182.1	11250.2	10095.4	8753.3
-35°	9559.3	10046.3	10315.9	10297.1	10315.9	10046.3	9559.3	8932.1	8183.9	7291.2	6213.2
-37.5°	6587.2	7000.0	7253.3	7319.1	7253.3	7000.0	6587.2	6062.2	5451.7	4661.4	3969.6
-40°	4120.9	4424.1	4605.2	4629.2	4605.2	4424.1	4120.9	3726.1	3290.1	2756.6	2365.7
-42.5°	2365.5	2488.3	2557.3	2554.0	2557.3	2488.3	2365.5	2208.9	2030.3	1795.1	1596.6
-45°	1662.5	1690.0	1705.6	1708.1	1705.6	1690.0	1662.5	1626.3	1571.1	1504.5	1432.5
-47.5°	1485.9	1512.0	1525.9	1527.5	1525.9	1512.0	1485.9	1453.0	1407.3	1350.6	1288.1
-50°	1328.2	1359.1	1375.9	1379.4	1375.9	1359.1	1328.2	1291.0	1244.6	1186.4	1122.4
-52.5°	1157.0	1177.4	1184.2	1180.6	1184.2	1177.4	1157.0	1132.8	1103.0	1062.2	1017.8
-55°	1072.0	1088.6	1095.8	1097.5	1095.8	1088.6	1072.0	1054.7	1036.2	1002.6	963.6
-57.5°	1051.4	1066.3	1071.0	1071.1	1071.0	1066.3	1051.4	1036.1	1020.3	986.0	949.8
-60°	1041.6	1060.2	1063.8	1060.9	1063.8	1060.2	1041.6	1022.4	1002.9	966.1	922.1
-62.5°	977.8	1001.6	1009.2	1008.2	1009.2	1001.6	977.8	950.0	918.7	869.6	812.7
-65°	765.3	782.8	791.7	795.2	791.7	782.8	765.3	743.6	718.0	681.2	635.8
-67.5°	544.3	556.4	560.3	559.9	560.3	556.4	544.3	528.7	509.5	483.5	451.1
-70°	354.9	364.2	365.2	363.1	365.2	364.2	354.9	343.4	329.7	313.4	294.2
-72.5°	217.8	224.2	223.6	221.1	223.6	224.2	217.8	210.2	201.5	191.8	181.2
-75°	125.3	128.5	127.6	125.8	127.6	128.5	125.3	121.4	116.8	111.4	105.0
-77.5°	73.1	76.4	77.0	77.1	77.0	76.4	73.1	69.7	66.1	62.2	57.5
-80°	45.1	46.5	46.6	46.7	46.6	46.5	45.1	43.7	42.2	40.5	37.8
-82.5°	31.2	32.4	32.5	32.5	32.5	32.4	31.2	30.0	28.8	27.5	25.7
-85°	23.2	24.2	24.3	24.3	24.3	24.2	23.2	22.1	21.0	19.8	18.2
-87.5°	15.7	16.2	16.2	16.2	16.2	16.2	15.7	15.2	14.6	14.1	12.5
-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°	8.1	7.1	6.1	6.1	6.1	6.1	6.1	6.6	7.1	7.6	8.1
87.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.1	5.6	6.1
85°	4.0	4.0	4.1	4.5	4.8	5.1	5.4	5.5	5.6	5.8	6.1
82.5°	4.1	4.1	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1
80°	4.1	4.1	4.2	4.7	5.2	5.7	6.1	6.2	6.2	6.1	6.2
77.5°	4.9	5.1	5.2	5.3	5.5	5.8	6.2	6.7	7.0	7.2	7.2
75°	5.2	5.7	6.2	6.3	6.3	6.2	6.3	6.8	7.3	7.8	8.1
72.5°	7.1	7.5	7.7	7.7	7.5	7.6	8.0	8.3	8.5	8.3	8.1
70°	9.6	10.4	11.3	12.0	12.2	12.1	11.9	11.7	11.3	11.3	10.6
67.5°	11.6	12.4	14.3	16.3	17.6	18.2	18.0	16.9	16.1	15.5	13.8
65°	13.2	14.0	16.9	19.6	21.9	23.9	25.8	25.8	24.5	21.9	17.5
62.5°	13.1	14.0	16.0	18.6	21.9	27.3	33.4	35.6	35.4	30.9	24.3
60°	11.3	12.5	14.7	16.8	19.0	26.1	36.8	44.3	48.6	41.1	31.2
57.5°	9.8	10.8	12.7	15.0	17.6	25.6	36.9	50.4	59.0	48.2	38.1
55°	10.0	10.6	11.5	12.8	14.9	22.7	32.8	45.1	54.8	51.8	40.6
52.5°	12.0	12.1	12.0	12.0	13.9	19.0	26.4	37.5	43.4	42.6	39.0
50°	14.1	14.4	14.3	13.8	14.7	16.2	21.0	29.2	32.5	34.2	32.8
47.5°	19.8	19.5	18.1	17.4	17.8	17.7	19.2	21.6	26.2	26.6	27.1
45°	29.6	28.9	26.6	25.6	23.9	22.9	21.4	23.7	24.8	25.7	22.6
42.5°	46.5	43.4	40.4	38.8	35.6	32.5	29.9	30.5	30.0	28.8	27.9
40°	73.5	64.1	60.4	57.4	53.3	46.6	45.1	41.4	39.4	35.9	37.1
37.5°	130.0	99.9	93.7	81.0	75.2	71.2	66.3	59.5	51.8	55.0	54.6
35°	248.2	204.2	163.9	131.9	105.9	110.5	97.1	83.7	78.7	83.2	79.1
32.5°	437.6	434.4	318.6	246.5	216.3	184.8	152.2	118.4	130.7	127.8	112.7
30°	916.3	979.3	752.2	549.0	501.0	356.1	240.9	221.3	211.3	187.2	156.2
27.5°	2416.7	2158.1	1767.7	1389.1	1023.0	735.0	475.3	351.4	315.8	272.4	222.0
25°	4699.2	4198.3	3331.2	2666.4	2073.6	1268.9	813.3	574.8	449.8	377.9	311.1
22.5°	7274.4	6217.5	5048.9	4052.4	3155.4	2092.2	1296.1	832.6	600.7	502.1	416.5
20°	10222.7	8383.9	6861.0	5554.7	4210.8	2863.7	1837.3	1244.9	851.2	640.7	524.0
17.5°	15141.4	11097.6	9263.4	7407.4	5570.0	3844.9	2835.6	1897.6	1122.2	785.4	630.9
15°	21771.8	16650.6	13125.5	10036.3	7606.9	5895.7	4262.2	2728.7	1505.7	984.6	763.4
12.5°	32990.7	24495.3	18060.4	13871.9	11059.0	8492.1	6124.0	3959.9	2164.7	1245.0	925.0
10°	43771.6	32800.4	24511.9	18991.5	14974.2	11439.2	8023.9	5060.9	2761.7	1515.5	1080.2
7.5°	54197.7	40639.8	30540.5	23345.3	18008.8	13548.9	9568.6	6074.9	3282.1	1779.9	1228.0
5°	62666.7	46338.9	34160.2	25485.7	20033.3	15390.3	11018.0	7026.1	3719.8	2030.2	1367.3
2.5°	67729.4	49803.3	36903.0	27013.3	21465.5	16662.2	12069.3	7613.6	3924.4	2164.0	1445.4
0°	69484.9	51570.5	36993.2	27071.4	21379.2	16784.5	12534.6	7801.9	3963.8	2245.6	1513.3
-2.5°	68840.3	50335.3	36331.8	26385.9	20825.0	16083.5	11957.6	7835.9	4185.5	2330.1	1564.9
-5°	65770.7	46890.5	33869.6	24800.4	19660.2	15258.6	11347.2	7671.2	4286.4	2369.5	1605.1
-7.5°	60933.2	43401.8	30871.9	22826.1	18214.3	14276.4	10696.4	7334.1	4234.4	2342.0	1611.7
-10°	54634.9	40136.5	29244.8	22240.5	17352.6	13211.5	9952.4	6860.6	4018.9	2262.9	1606.0
-12.5°	50059.6	36868.0	27269.6	21619.5	17129.8	12991.8	9515.6	6306.6	3620.9	2128.2	1587.5
-15°	43928.3	33513.0	26018.8	20788.8	16576.7	12472.8	8954.1	5622.4	3003.8	1918.3	1556.2
-17.5°	37178.9	29694.2	23773.2	18805.8	14852.6	11547.7	8031.1	4833.7	2559.3	1701.0	1474.5
-20°	29957.2	24958.9	20472.0	16201.8	12477.0	9351.6	6510.9	3772.8	2176.4	1589.3	1382.7



REPORT NUMBER: P701640 (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°	23859.9	20094.6	16253.1	12871.6	9793.2	7085.4	4684.3	2644.2	1700.6	1466.4	1277.0
-25°	17831.7	15126.5	12056.6	9694.9	7172.0	4827.2	3050.8	2023.3	1526.7	1338.0	1158.8
-27.5°	13054.1	10851.9	8886.9	7024.0	5013.8	3267.2	2112.6	1526.7	1369.3	1208.0	1041.8
-30°	9821.2	8249.0	6576.4	4953.5	3450.0	2193.8	1545.8	1361.2	1230.7	1089.1	941.6
-32.5°	7330.7	5999.4	4596.9	3327.0	2244.9	1625.3	1370.8	1212.6	1107.6	984.5	871.1
-35°	5061.7	4014.4	2919.4	2161.6	1589.4	1394.8	1252.0	1124.4	998.7	892.1	808.8
-37.5°	3169.4	2424.9	1945.7	1520.3	1394.7	1272.2	1157.9	1030.9	905.2	826.2	754.3
-40°	2007.5	1604.5	1484.3	1371.5	1271.3	1173.1	1051.0	929.4	845.5	766.5	703.7
-42.5°	1516.4	1425.8	1335.9	1250.8	1157.6	1047.1	940.8	861.4	786.7	718.7	665.1
-45°	1362.3	1289.0	1211.2	1119.6	1020.7	939.7	864.6	796.8	732.2	682.2	630.7
-47.5°	1216.8	1141.7	1061.6	992.7	924.8	858.1	797.3	737.2	697.6	650.9	585.4
-50°	1064.0	1014.1	958.3	899.3	845.8	790.3	748.3	709.8	663.8	604.9	535.5
-52.5°	971.5	930.4	883.6	830.5	792.0	760.2	723.4	671.8	618.0	547.9	472.7
-55°	918.1	882.6	849.1	812.4	769.2	722.7	674.6	617.2	548.3	477.9	409.5
-57.5°	913.7	873.5	824.9	773.3	718.4	659.9	598.2	535.1	471.4	407.5	344.6
-60°	875.6	826.7	760.5	693.9	627.8	566.8	507.8	449.4	391.9	334.5	278.6
-62.5°	757.1	703.9	641.8	578.5	519.1	464.4	410.6	356.9	307.0	259.3	214.2
-65°	589.0	541.5	491.9	443.8	395.0	346.1	300.3	262.4	227.2	190.3	152.7
-67.5°	417.1	382.0	343.7	306.4	275.1	244.8	215.2	184.4	159.2	137.7	115.8
-70°	273.6	252.0	228.7	204.8	184.9	167.1	148.0	129.1	111.1	94.7	77.8
-72.5°	169.8	157.5	144.6	130.9	117.0	104.6	92.1	79.1	65.8	52.4	42.4
-75°	97.6	89.2	80.0	71.2	61.9	52.1	46.2	42.2	38.1	34.1	30.0
-77.5°	52.7	48.1	43.8	40.7	37.3	33.7	30.0	27.3	25.6	24.0	22.3
-80°	35.1	32.4	29.7	27.5	25.2	23.0	21.0	19.9	18.8	17.9	17.1
-82.5°	23.8	21.9	19.9	18.6	17.4	16.1	15.0	14.5	14.0	13.5	12.9
-85°	16.5	14.7	13.0	12.4	11.8	11.2	10.7	10.5	10.3	10.0	9.8
-87.5°	11.0	9.4	7.9	7.9	7.8	7.8	7.7	7.8	7.9	8.0	8.1
-90°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.1	5.6	6.1



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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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	6.1	6.1	6.1	6.1	6.6	7.1	7.6	8.1	8.1	8.1	8.1
85°	6.3	6.4	6.4	6.4	6.7	7.1	7.6	8.1	8.1	8.1	8.1
82.5°	6.6	7.1	7.4	7.5	7.5	7.6	7.8	8.1	8.2	8.1	8.1
80°	6.7	7.2	7.7	8.1	8.1	8.1	8.0	8.1	8.4	8.5	8.4
77.5°	7.2	7.4	7.7	8.1	8.1	8.1	8.1	8.2	8.6	8.9	8.9
75°	8.1	8.0	8.0	8.2	8.2	8.1	8.1	8.3	8.7	9.2	9.4
72.5°	8.1	8.1	8.1	8.3	8.6	8.7	8.4	8.3	8.8	9.3	9.8
70°	9.5	8.4	8.1	8.4	8.9	9.3	9.2	8.9	8.9	9.3	9.8
67.5°	12.2	11.0	9.7	8.8	9.0	9.5	10.0	9.6	9.3	9.4	9.9
65°	15.4	13.6	12.0	10.5	9.6	9.6	10.0	10.1	9.8	9.7	9.9
62.5°	19.3	16.1	14.2	12.1	10.6	10.0	10.1	10.1	10.1	9.9	10.0
60°	23.7	19.0	16.3	14.1	11.9	10.3	10.1	10.1	10.1	10.1	10.1
57.5°	28.4	21.2	18.1	15.9	13.7	11.3	10.1	10.1	10.1	10.1	10.1
55°	31.5	24.0	20.0	17.2	15.2	12.9	10.6	10.1	10.1	10.1	10.1
52.5°	31.0	25.8	22.0	18.5	16.1	14.3	12.0	10.1	10.1	10.1	10.1
50°	28.0	26.4	23.3	19.7	16.8	15.0	13.2	11.0	10.1	10.1	10.1
47.5°	26.9	26.8	24.2	20.6	17.4	15.6	13.9	11.9	10.1	10.1	10.1
45°	26.4	27.7	25.3	21.5	18.0	16.2	14.5	12.7	10.8	10.2	10.1
42.5°	26.9	29.0	27.6	22.5	19.7	16.8	15.0	13.2	11.3	10.3	10.2
40°	34.5	31.2	30.5	27.6	22.2	17.4	15.5	13.6	11.8	10.6	10.3
37.5°	44.5	38.2	33.7	36.9	26.9	20.1	15.9	14.0	12.5	11.2	10.6
35°	65.9	49.2	46.5	49.1	38.2	23.3	16.3	14.4	13.1	11.8	10.8
32.5°	92.7	73.7	70.4	63.9	52.6	26.8	18.3	15.4	13.8	12.4	11.1
30°	132.0	118.8	100.6	81.7	69.0	39.9	22.0	16.7	14.3	12.9	11.4
27.5°	191.7	169.0	137.8	109.2	86.1	55.7	26.9	18.3	14.9	13.4	11.9
25°	260.7	225.6	185.4	142.7	105.3	77.4	32.1	20.3	15.9	13.9	12.3
22.5°	344.8	286.5	236.1	179.7	134.1	102.1	43.7	24.5	17.3	14.4	12.7
20°	432.5	350.2	290.6	221.0	168.8	126.4	62.5	28.8	18.9	14.8	13.1
17.5°	523.9	431.6	356.2	269.9	204.3	152.5	82.7	33.2	20.5	15.2	13.4
15°	647.0	535.5	427.9	321.6	238.2	179.9	103.6	37.5	22.3	15.6	13.8
12.5°	776.9	644.0	503.9	375.1	270.4	208.1	124.7	41.7	24.0	16.7	14.2
10°	905.8	755.0	582.3	429.1	300.9	236.4	145.5	47.6	28.0	18.5	14.6
7.5°	1032.3	865.9	661.1	482.3	333.4	273.4	179.7	57.2	32.3	20.4	15.1
5°	1146.6	964.7	739.0	547.4	385.3	318.8	215.9	66.9	36.5	22.5	15.5
2.5°	1219.2	1041.5	811.9	610.0	435.9	362.4	250.4	76.3	40.7	24.5	15.9
0°	1284.1	1109.6	878.4	667.4	484.8	403.7	282.0	85.2	44.6	26.4	16.2
-2.5°	1325.3	1149.6	914.7	713.0	535.3	449.0	320.3	110.2	59.1	34.0	19.4
-5°	1359.7	1180.8	945.2	753.6	583.5	490.9	353.1	133.8	72.9	41.3	22.4
-7.5°	1372.3	1187.1	961.0	785.8	629.0	529.2	379.7	155.3	85.6	48.0	25.2
-10°	1372.4	1173.9	955.8	785.2	640.0	545.4	395.7	174.2	97.0	53.9	27.6
-12.5°	1362.7	1151.7	946.1	779.3	642.0	540.9	384.1	186.7	106.7	58.8	29.7
-15°	1342.4	1120.5	932.1	767.9	640.7	533.7	369.7	194.9	114.1	62.9	31.4
-17.5°	1301.2	1080.4	914.4	751.0	635.8	523.8	353.3	200.3	119.6	66.3	33.1
-20°	1204.2	1022.6	892.6	728.6	627.2	511.3	335.4	202.9	123.0	68.2	34.8



REPORT NUMBER: P701640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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°	1102.1	955.9	837.4	714.0	612.9	496.3	316.8	202.4	124.1	68.7	35.8
-25°	997.3	887.9	777.6	680.2	592.3	468.3	305.9	198.7	122.8	67.5	36.2
-27.5°	912.9	819.9	720.0	646.4	558.7	441.2	300.2	196.7	119.9	64.6	35.9
-30°	837.0	756.9	678.1	611.4	524.5	402.8	290.4	191.6	116.5	62.7	34.9
-32.5°	777.7	698.5	641.1	572.5	482.3	363.7	269.5	183.0	110.6	61.4	34.1
-35°	730.3	659.0	604.6	533.6	436.8	333.0	243.8	170.9	102.2	59.0	32.9
-37.5°	683.8	628.9	562.8	490.1	391.5	299.5	219.9	152.2	91.4	55.5	30.9
-40°	650.9	593.9	525.3	441.2	350.6	263.5	194.2	134.0	84.2	51.0	28.3
-42.5°	616.3	551.7	477.7	393.3	308.6	233.2	167.6	114.8	76.2	46.6	24.9
-45°	569.2	503.3	425.5	345.8	265.7	201.3	145.4	96.2	67.3	41.9	22.1
-47.5°	517.5	446.1	373.1	297.5	229.1	169.8	122.4	85.5	57.8	36.2	20.5
-50°	456.0	389.2	320.9	254.8	192.1	143.8	101.3	74.1	49.7	29.2	18.5
-52.5°	399.6	333.7	272.2	212.7	161.3	116.9	87.8	62.2	41.0	24.8	16.3
-55°	342.4	280.7	224.9	174.5	130.0	98.6	73.6	51.5	31.7	21.4	13.9
-57.5°	285.1	228.5	180.8	137.1	106.1	82.1	59.9	40.0	26.1	17.8	13.6
-60°	226.3	179.5	136.5	109.9	87.2	65.6	46.1	30.1	21.4	14.6	13.2
-62.5°	170.6	132.8	109.5	88.3	67.8	48.9	32.9	24.1	16.3	14.0	12.7
-65°	128.1	105.6	85.2	65.9	47.9	33.9	25.5	17.7	14.8	13.5	12.4
-67.5°	95.4	76.5	59.0	42.5	33.2	25.6	17.9	15.3	14.1	12.9	12.4
-70°	61.3	46.0	37.4	30.9	24.1	18.1	16.0	14.6	13.5	12.7	12.3
-72.5°	37.4	32.2	26.8	21.4	18.7	16.6	15.0	13.9	13.0	12.5	12.2
-75°	25.5	22.8	20.5	18.4	16.5	15.0	13.9	13.1	12.6	12.2	11.7
-77.5°	20.3	18.5	16.8	15.5	14.5	13.6	12.9	12.4	12.0	11.6	11.1
-80°	16.0	15.0	14.1	13.3	12.7	12.2	11.9	11.5	11.2	10.9	10.5
-82.5°	12.3	12.0	11.7	11.6	11.4	11.1	10.9	10.7	10.4	10.1	9.9
-85°	9.9	10.0	10.2	10.4	10.3	10.1	9.9	9.8	9.6	9.5	9.3
-87.5°	8.4	8.7	9.0	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: P701640 (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°	8.2	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.7	8.2	8.1	8.1	8.1	8.1	8.1
75°	9.2	8.7	8.2	8.1	8.1	8.1	8.1
72.5°	9.7	9.1	8.5	8.1	8.1	8.1	8.1
70°	10.1	9.5	8.8	8.1	8.1	8.1	8.1
67.5°	10.1	9.9	9.1	8.4	8.1	8.1	8.1
65°	10.1	10.1	9.5	8.6	8.1	8.1	8.1
62.5°	10.1	10.1	9.8	8.9	8.1	8.1	8.1
60°	10.1	10.1	10.1	9.1	8.1	8.1	8.1
57.5°	10.1	10.1	10.1	9.3	8.2	8.1	8.1
55°	10.1	10.1	10.1	9.5	8.4	8.1	8.1
52.5°	10.1	10.1	10.1	9.7	8.5	8.1	8.1
50°	10.1	10.1	10.1	10.0	8.7	8.1	8.1
47.5°	10.1	10.1	10.1	10.1	8.8	8.1	8.1
45°	10.1	10.1	10.1	10.1	8.9	8.1	8.1
42.5°	10.1	10.1	10.1	10.1	9.0	8.1	8.1
40°	10.1	10.1	10.1	10.1	9.2	8.1	8.1
37.5°	10.1	10.1	10.1	10.1	9.3	8.1	8.1
35°	10.1	10.1	10.1	10.1	9.4	8.1	8.1
32.5°	10.2	10.1	10.1	10.1	9.5	8.1	8.1
30°	10.4	10.1	10.1	10.1	9.6	8.1	8.1
27.5°	10.6	10.1	10.1	10.1	9.6	8.1	8.1
25°	10.9	10.1	10.1	10.1	9.7	8.1	8.1
22.5°	11.1	10.1	10.1	10.1	9.8	8.1	8.1
20°	11.4	10.3	10.1	10.1	9.9	8.1	8.1
17.5°	11.7	10.5	10.1	10.1	9.9	8.1	8.1
15°	11.9	10.7	10.1	10.1	10.0	8.1	8.1
12.5°	12.0	10.9	10.1	10.1	10.0	8.1	8.1
10°	12.1	11.2	10.1	10.1	10.0	8.1	8.1
7.5°	12.2	11.4	10.1	10.1	10.1	8.1	8.1
5°	12.2	11.7	10.1	10.1	10.1	8.1	8.1
2.5°	12.2	12.0	10.1	10.1	10.1	8.1	8.1
0°	12.2	12.2	10.1	10.1	10.1	8.1	8.1
-2.5°	13.3	12.2	10.1	10.1	10.1	8.1	8.1
-5°	14.3	12.2	10.1	10.1	10.1	8.1	8.1
-7.5°	15.3	12.1	10.1	10.1	10.1	8.1	8.1
-10°	16.1	12.0	10.1	10.1	10.0	8.1	8.1
-12.5°	16.8	11.9	10.1	10.1	10.0	8.1	8.1
-15°	17.3	11.8	10.1	10.1	10.0	8.1	8.1
-17.5°	17.5	11.7	10.1	10.1	9.9	8.1	8.1
-20°	17.9	11.6	10.1	10.1	9.9	8.1	8.1



REPORT NUMBER: P701640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.7	11.4	10.1	10.1	9.8	8.1	8.1
-25°	19.0	11.5	10.1	10.1	9.7	8.1	8.1
-27.5°	18.9	11.7	10.1	10.1	9.6	8.1	8.1
-30°	18.4	11.7	10.1	10.1	9.6	8.1	8.1
-32.5°	17.4	11.6	10.2	10.1	9.5	8.1	8.1
-35°	16.9	11.4	10.3	10.1	9.4	8.1	8.1
-37.5°	16.6	11.2	10.4	10.1	9.3	8.1	8.1
-40°	16.0	11.3	10.4	10.1	9.2	8.1	8.1
-42.5°	15.2	11.3	10.5	10.1	9.0	8.1	8.1
-45°	14.2	11.3	10.5	10.2	8.9	8.1	8.1
-47.5°	12.9	11.3	10.6	10.2	8.8	8.1	8.1
-50°	12.6	11.3	10.7	10.1	8.7	8.1	8.1
-52.5°	12.4	11.2	10.7	9.9	8.5	8.1	8.1
-55°	12.3	11.2	10.8	9.8	8.4	8.1	8.1
-57.5°	12.0	11.3	10.8	9.6	8.2	8.1	8.1
-60°	11.8	11.3	10.9	9.4	8.1	8.1	8.1
-62.5°	11.9	11.4	10.6	9.2	8.1	8.1	8.1
-65°	11.9	11.4	10.3	9.0	8.1	8.1	8.1
-67.5°	12.0	11.3	10.0	8.8	8.1	8.1	8.1
-70°	12.0	10.9	9.7	8.6	8.1	8.1	8.1
-72.5°	11.6	10.5	9.4	8.5	8.1	8.1	8.1
-75°	11.1	10.1	9.1	8.4	8.1	8.1	8.1
-77.5°	10.6	9.7	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

