

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: P701621 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-5S-CV5-S**

Issue Date: 8/29/2023

Test Information

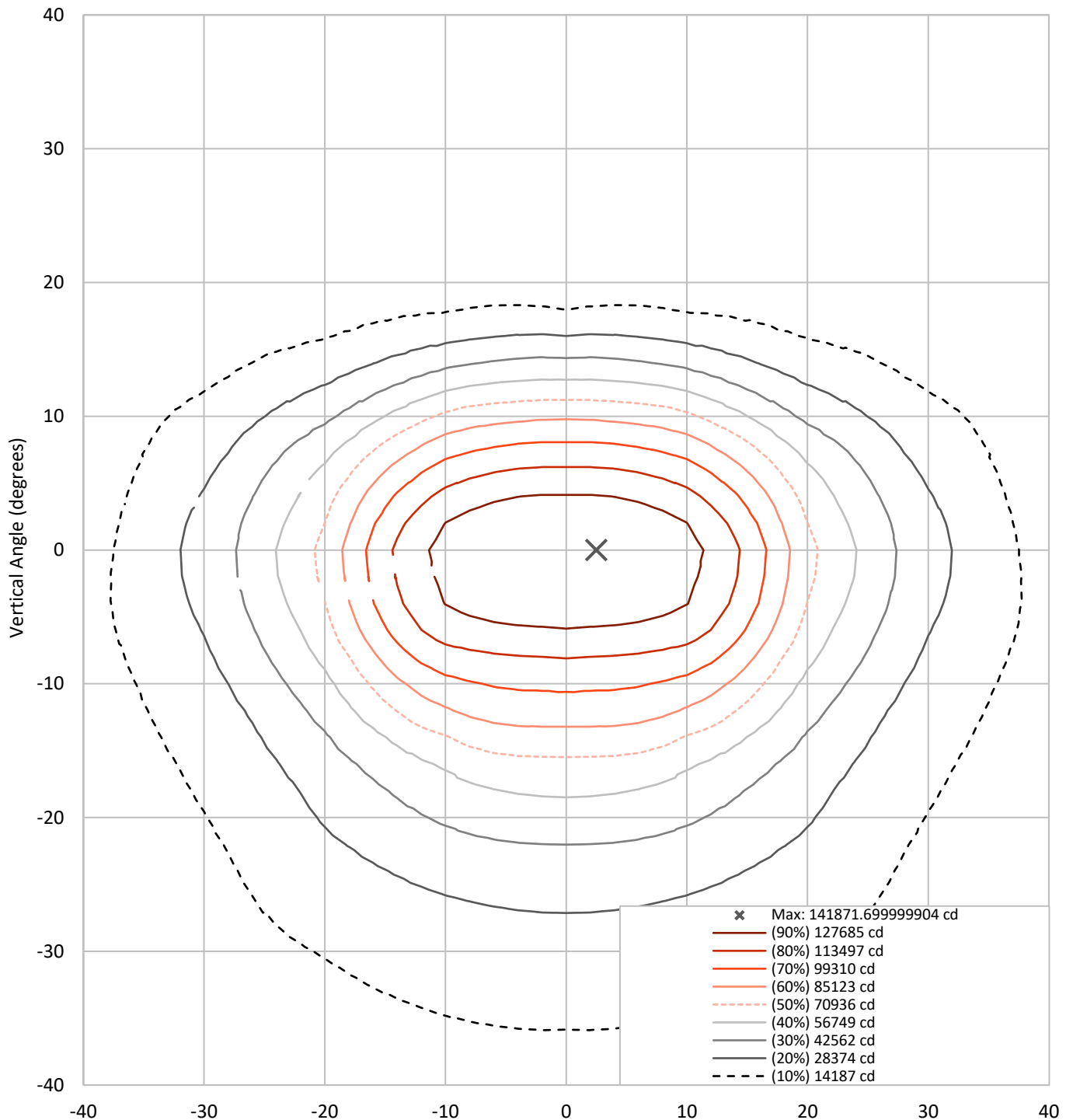
Test Method: LM-79-08
Report Number: P701621 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-70-5S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	56217.5 lumens	Max Intensity:	141871.7 candela
Efficiency:	N/A	Max Intensity Angle:	2.5°H x 0°V
Efficacy:	80.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	27862.6 lumens	Field Lumens:	50394.8 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%
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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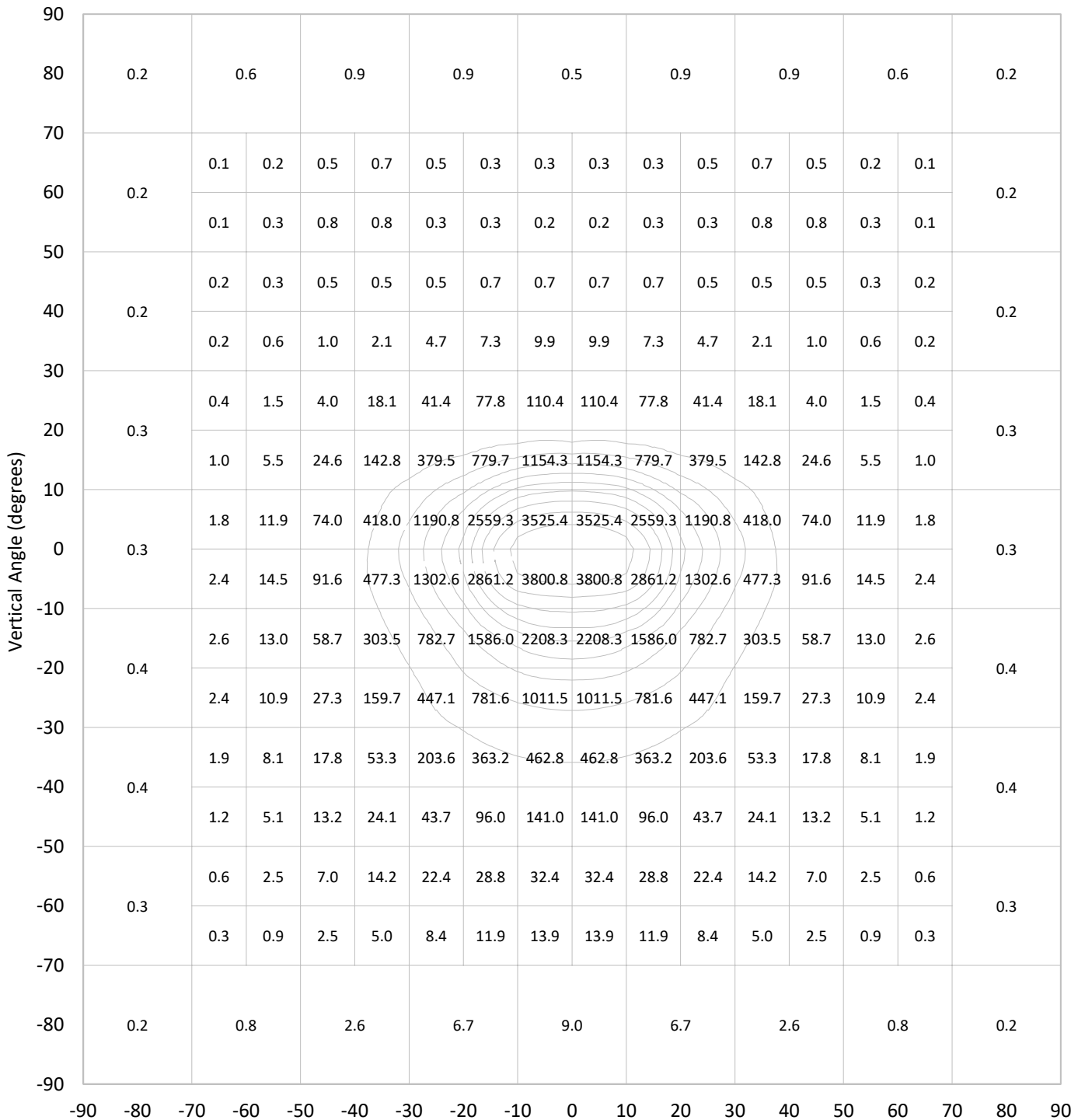
Iso-Candela Plot





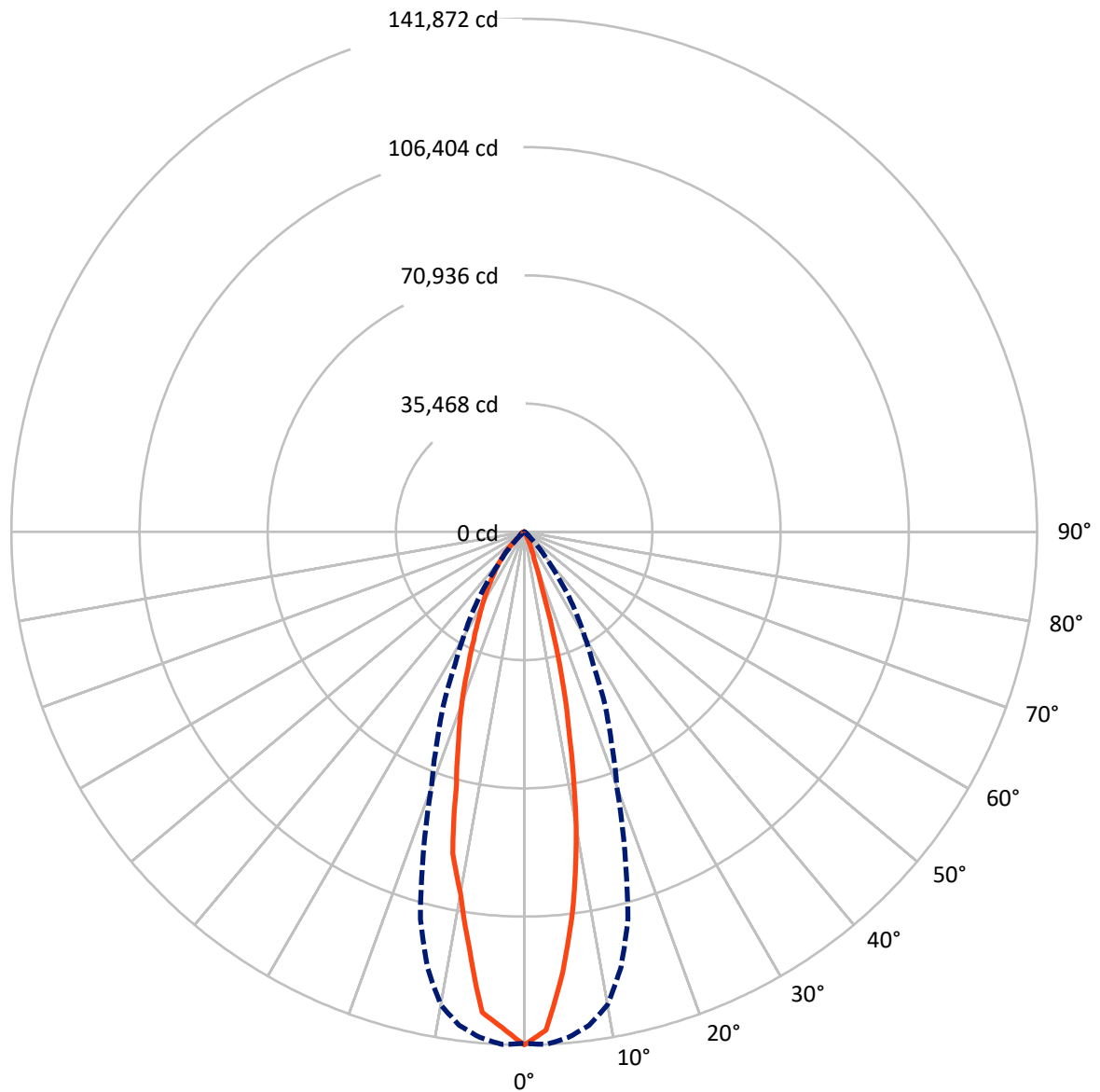
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Lumen Table



REPORT NUMBER: P701621 (CONVERTED FROM TYPE C PHOTOMETRY)
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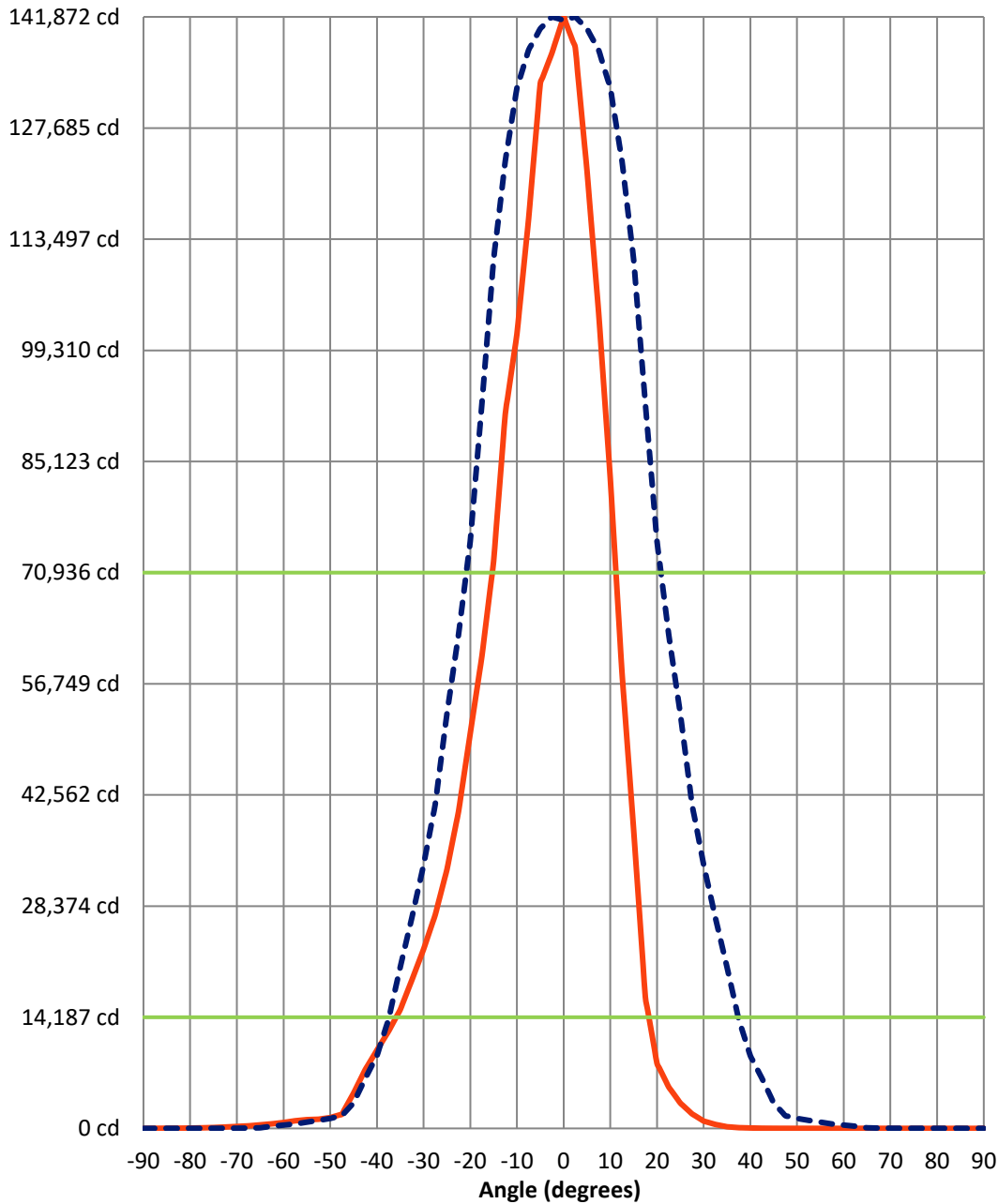
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 27862.6
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 50394.8
 Efficiency: 89.6%

Spill:
 Lumens: 5822.8
 Efficiency: 10.4%

— 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°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.8	8.9	9.0	9.1	9.2	9.1	9.0	8.8	8.6
85°	8.6	8.7	9.0	9.2	9.4	9.6	9.7	9.6	9.4	9.0	8.6
82.5°	8.6	8.7	9.2	9.5	9.7	10.0	10.3	10.1	9.8	9.4	9.2
80°	8.6	8.8	9.4	9.7	10.1	10.5	10.8	10.4	10.1	10.0	10.1
77.5°	8.6	8.8	9.5	10.0	10.5	10.8	10.8	10.6	10.5	10.6	10.8
75°	8.6	8.9	9.7	10.3	10.8	10.8	10.8	10.7	10.8	10.8	10.8
72.5°	8.6	8.9	9.9	10.6	10.8	10.8	10.8	10.8	10.8	10.8	10.8
70°	8.6	9.0	10.0	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
67.5°	8.6	9.0	10.2	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
65°	8.6	9.0	10.3	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
62.5°	8.6	9.1	10.4	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
60°	8.6	9.1	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
57.5°	8.6	9.1	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
55°	8.6	9.1	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
52.5°	8.6	9.1	10.4	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
50°	8.6	9.1	10.4	10.8	10.8	10.8	10.8	10.9	10.8	10.8	11.4
47.5°	8.6	9.1	10.4	10.8	10.8	10.8	10.8	11.1	10.8	10.8	12.1
45°	8.6	9.2	10.4	10.8	10.8	10.8	11.0	11.3	11.0	11.4	12.8
42.5°	8.6	9.1	10.4	10.8	10.8	10.8	11.2	11.5	11.3	12.0	13.6
40°	8.6	9.1	10.4	10.8	10.8	10.8	11.4	11.8	11.7	12.6	14.3
37.5°	8.6	9.1	10.4	10.8	10.8	10.8	11.7	12.1	12.5	13.4	14.9
35°	8.6	9.1	10.5	10.8	10.8	10.9	12.0	12.5	13.2	14.4	15.3
32.5°	8.6	9.1	10.5	10.8	10.8	11.2	12.3	13.0	14.0	15.4	16.7
30°	8.6	9.1	10.5	10.8	10.8	11.4	12.6	13.5	14.7	16.5	18.3
27.5°	8.6	9.1	10.5	10.8	10.8	11.6	13.0	14.1	15.5	17.6	20.1
25°	8.6	9.0	10.6	10.8	10.8	11.9	13.4	14.7	16.4	19.0	22.3
22.5°	8.6	9.0	10.6	10.8	10.8	12.1	13.8	15.2	17.3	20.6	26.2
20°	8.6	9.0	10.6	10.8	10.8	12.3	14.2	15.8	18.2	22.4	30.5
17.5°	8.6	8.9	10.7	10.8	10.8	12.4	14.5	16.3	19.1	24.2	35.4
15°	8.6	8.9	10.7	10.8	10.8	12.5	14.6	16.7	20.1	26.1	40.4
12.5°	8.6	8.8	10.7	10.8	10.8	12.6	14.8	16.8	20.8	28.0	45.7
10°	8.6	8.8	10.7	10.8	10.8	12.7	14.9	17.0	21.5	30.6	51.6
7.5°	8.6	8.7	10.8	10.8	10.8	12.8	15.0	17.1	22.1	33.3	58.5
5°	8.6	8.7	10.8	10.8	10.8	12.9	15.0	17.1	22.7	35.9	65.2
2.5°	8.6	8.6	10.8	10.8	10.8	12.9	15.1	17.2	23.3	38.5	71.6
0°	8.6	8.6	10.8	10.8	10.8	12.9	15.1	17.2	23.3	38.5	71.6
-2.5°	8.6	8.6	10.8	10.8	11.0	13.1	15.4	19.2	29.5	51.4	94.6
-5°	8.6	8.7	10.8	10.8	11.2	13.3	15.6	21.1	35.0	61.3	110.6
-7.5°	8.6	8.7	10.8	10.8	11.3	13.5	15.8	22.8	40.1	70.5	125.1
-10°	8.6	8.8	10.7	10.8	11.5	13.7	16.0	24.3	44.5	78.6	137.7
-12.5°	8.6	8.8	10.7	10.8	11.6	13.8	16.2	25.5	48.1	85.5	147.5
-15°	8.6	8.9	10.7	10.8	11.7	14.0	16.3	26.2	51.1	91.3	154.6
-17.5°	8.6	8.9	10.7	10.8	11.8	14.1	16.4	27.5	53.6	95.5	159.5
-20°	8.6	9.0	10.6	10.8	11.9	14.1	16.9	29.0	55.2	98.0	161.7



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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°	8.6	9.0	10.6	10.8	11.9	14.2	17.9	30.0	55.7	98.6	161.3
-25°	8.6	9.0	10.6	10.8	11.9	14.3	18.6	30.5	55.0	97.3	158.0
-27.5°	8.6	9.1	10.5	10.8	11.9	14.3	18.9	30.4	53.0	94.8	156.1
-30°	8.6	9.1	10.5	10.8	11.8	14.2	18.8	29.8	51.9	92.4	151.6
-32.5°	8.6	9.1	10.5	10.8	11.7	14.0	18.2	29.6	51.0	88.3	144.3
-35°	8.6	9.1	10.5	10.8	11.5	13.7	17.8	29.0	49.4	82.5	134.0
-37.5°	8.6	9.1	10.4	10.8	11.4	13.4	17.5	27.8	47.0	74.9	120.1
-40°	8.6	9.1	10.4	10.8	11.2	13.2	17.0	25.9	43.7	69.8	107.0
-42.5°	8.6	9.1	10.4	10.8	11.2	13.0	16.3	23.3	40.4	63.6	92.9
-45°	8.6	9.2	10.4	10.9	11.2	12.7	15.4	21.0	36.6	56.3	78.8
-47.5°	8.6	9.1	10.4	10.9	11.3	12.5	14.4	19.8	31.8	48.4	69.9
-50°	8.6	9.1	10.4	10.9	11.4	12.2	14.0	18.3	25.7	41.5	60.1
-52.5°	8.6	9.1	10.4	11.0	11.4	11.9	13.6	16.6	22.3	34.1	49.8
-55°	8.6	9.1	10.5	11.0	11.5	11.9	13.3	14.9	20.0	26.3	41.0
-57.5°	8.6	9.1	10.5	11.0	11.5	12.0	12.9	14.5	17.6	22.4	31.7
-60°	8.6	9.1	10.5	11.0	11.6	12.0	12.5	14.0	15.5	19.6	24.1
-62.5°	8.6	9.1	10.4	10.9	11.5	12.1	12.6	13.5	14.9	16.8	21.0
-65°	8.6	9.0	10.3	10.9	11.4	12.1	12.6	13.1	14.3	15.7	17.8
-67.5°	8.6	9.0	10.2	10.9	11.3	12.0	12.7	13.1	13.7	15.0	16.3
-70°	8.6	9.0	10.0	10.8	11.1	11.8	12.7	13.0	13.5	14.3	15.5
-72.5°	8.6	8.9	9.9	10.6	11.0	11.5	12.3	12.9	13.2	13.8	14.7
-75°	8.6	8.9	9.7	10.3	10.8	11.2	11.9	12.4	12.9	13.3	13.9
-77.5°	8.6	8.8	9.5	10.0	10.5	10.9	11.4	11.8	12.3	12.7	13.1
-80°	8.6	8.8	9.4	9.7	10.1	10.5	10.9	11.2	11.6	11.9	12.2
-82.5°	8.6	8.7	9.2	9.5	9.7	10.0	10.3	10.6	10.8	11.1	11.4
-85°	8.6	8.7	9.0	9.2	9.4	9.6	9.7	9.9	10.1	10.3	10.5
-87.5°	8.6	8.6	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.4	9.5
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6



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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°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
85°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	9.2	9.2	9.0	8.6	8.6	8.6	8.7	8.9	9.0	8.9	8.8
80°	10.1	9.8	9.5	9.3	9.5	9.8	10.1	10.4	10.2	9.8	9.2
77.5°	10.5	10.3	10.3	10.5	10.8	10.8	10.8	10.8	10.4	9.8	9.3
75°	10.7	10.8	10.8	10.8	10.8	10.8	10.8	11.2	11.3	11.1	11.0
72.5°	10.8	10.8	10.8	10.8	10.9	11.2	11.7	12.5	12.9	12.8	12.7
70°	10.8	10.8	10.8	10.8	10.9	11.7	12.7	13.8	14.6	14.9	15.8
67.5°	10.8	10.8	10.8	10.9	11.7	12.9	14.0	16.1	18.6	19.8	21.1
65°	10.8	10.8	11.1	11.8	12.8	14.4	16.6	19.5	25.2	28.4	29.7
62.5°	10.8	11.0	11.5	12.5	13.9	15.9	20.1	26.4	34.5	39.1	38.7
60°	10.8	11.1	12.1	13.5	15.2	18.4	24.5	32.9	43.7	51.5	46.6
57.5°	10.8	11.5	13.0	14.9	17.4	20.3	28.0	38.4	49.2	61.0	52.1
55°	11.1	12.3	14.2	16.9	19.4	22.0	29.4	38.7	50.7	57.2	48.6
52.5°	11.9	13.3	16.0	18.6	21.1	22.7	26.1	35.0	41.4	46.2	41.5
50°	12.7	14.9	17.6	19.8	21.5	21.4	20.5	27.3	32.5	34.1	33.7
47.5°	13.8	16.4	18.4	20.3	20.6	20.2	18.1	21.3	24.9	26.6	25.4
45°	15.0	17.2	19.1	19.8	20.1	19.3	18.6	17.7	21.6	22.4	21.4
42.5°	15.9	17.8	19.3	19.5	20.3	20.7	20.6	19.9	20.5	21.0	20.7
40°	16.4	18.4	19.6	21.3	21.6	23.5	24.9	24.7	21.0	23.2	23.6
37.5°	16.9	19.0	21.3	25.6	25.1	28.1	30.4	33.5	30.6	28.6	32.1
35°	17.3	19.9	27.0	32.3	32.5	34.4	42.0	45.6	43.3	41.0	45.2
32.5°	18.0	21.0	34.6	40.2	43.3	46.3	56.9	58.9	60.9	62.0	65.4
30°	19.9	27.9	43.4	49.0	55.7	67.3	73.0	74.7	82.6	93.1	121.8
27.5°	23.9	37.0	51.7	60.4	71.1	90.8	98.3	99.3	112.3	139.8	208.9
25°	28.9	58.7	60.5	73.4	93.3	117.0	132.4	147.3	152.1	235.1	399.8
22.5°	40.6	86.4	96.2	87.3	117.1	147.6	180.3	221.9	285.0	380.6	624.9
20°	61.1	116.8	140.5	146.6	154.0	182.3	235.8	319.7	516.8	857.1	1181.6
17.5°	84.7	151.8	190.2	221.3	256.4	267.8	302.5	436.5	809.3	1536.4	2387.0
15°	110.6	190.6	243.8	304.9	369.7	419.5	492.3	701.5	1302.7	2474.6	3935.3
12.5°	138.2	232.1	300.5	395.5	491.3	580.4	716.9	1164.2	2175.6	3801.1	6016.9
10°	166.3	275.2	359.1	490.7	618.8	747.8	949.7	1693.8	3207.8	5214.7	7913.2
7.5°	197.2	317.6	417.4	588.3	749.6	918.6	1186.3	2263.5	4276.6	6520.4	9555.9
5°	227.4	357.1	469.2	666.5	856.6	1066.9	1401.0	2841.1	5337.2	7711.6	11045.2
2.5°	255.3	394.2	519.0	737.5	944.6	1175.3	1519.1	3079.4	5947.9	8590.6	12513.4
0°	279.8	428.3	566.0	802.7	1026.5	1276.2	1622.7	3251.8	6368.0	9264.6	13945.4
-2.5°	290.5	441.3	589.3	822.5	1023.2	1260.1	1623.2	3309.0	6728.0	10065.2	14668.6
-5°	296.9	450.5	608.0	835.4	1015.0	1236.2	1607.5	3283.7	6787.1	10250.3	14382.9
-7.5°	299.7	455.8	621.2	838.2	994.2	1189.0	1535.5	3043.9	6143.7	9401.4	13043.3
-10°	298.9	454.4	615.8	812.0	956.4	1126.1	1439.5	2727.8	5398.9	8443.3	11619.4
-12.5°	293.5	447.1	603.7	783.3	919.6	1060.0	1329.1	2338.8	4582.5	7404.9	10256.5
-15°	285.8	436.8	587.6	753.3	885.4	992.0	1204.7	1879.3	3731.7	6473.3	9162.0
-17.5°	276.2	423.9	567.8	723.4	855.5	923.5	1071.9	1419.6	2970.8	5475.4	8060.1
-20°	265.3	408.5	544.4	694.4	827.9	878.3	1001.3	1280.0	2349.0	4363.4	6863.9



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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°	253.3	390.9	519.8	664.1	787.9	854.8	939.3	1132.2	1675.0	3146.1	5572.1
-25°	246.0	372.2	495.9	624.3	748.1	832.4	875.9	990.3	1266.4	2373.9	4209.3
-27.5°	241.2	353.7	463.6	581.3	708.7	804.7	840.5	919.2	1113.1	1573.0	2928.2
-30°	232.7	325.3	428.6	537.4	660.6	760.6	818.1	864.3	981.3	1233.1	2008.4
-32.5°	215.4	295.1	393.5	496.3	607.5	718.5	801.1	845.7	921.4	1051.7	1312.1
-35°	194.9	270.1	357.5	452.6	552.6	666.7	763.8	837.4	873.2	963.0	1129.9
-37.5°	175.9	243.4	319.9	408.8	502.8	607.7	721.2	804.2	863.5	904.7	1023.8
-40°	155.1	214.9	286.7	366.3	452.4	548.6	653.8	756.6	835.6	904.1	957.1
-42.5°	133.4	190.0	253.9	322.3	403.5	490.5	583.4	685.8	787.7	880.3	951.8
-45°	116.7	163.1	220.3	284.1	353.3	431.6	517.1	606.5	712.7	819.2	912.0
-47.5°	99.0	136.9	188.6	243.4	305.4	374.3	449.2	533.3	623.0	725.9	834.8
-50°	82.3	116.3	154.3	204.8	258.6	318.2	384.5	458.3	538.8	624.3	718.8
-52.5°	70.4	94.7	127.9	166.2	213.7	264.8	322.5	386.0	455.7	528.5	605.2
-55°	57.6	78.4	102.4	133.9	170.4	214.8	263.2	318.5	374.3	439.1	497.8
-57.5°	46.0	63.0	81.9	104.7	134.4	166.8	209.3	253.4	303.4	354.1	397.4
-60°	35.0	48.9	64.9	82.2	101.3	129.3	157.9	194.5	235.1	273.9	311.0
-62.5°	25.1	36.4	49.3	63.5	79.2	95.2	118.6	144.5	170.3	202.9	232.9
-65°	21.6	25.8	35.2	47.1	59.1	74.2	89.0	103.0	124.7	145.8	165.6
-67.5°	17.8	21.3	25.4	31.3	42.2	54.5	66.9	80.0	92.5	103.4	115.6
-70°	16.4	17.1	19.8	23.6	28.4	36.1	47.1	58.1	68.8	79.2	88.9
-72.5°	15.5	16.1	16.6	17.1	20.9	26.2	31.9	37.9	45.5	53.8	62.4
-75°	14.5	15.0	15.5	16.0	17.2	19.2	21.9	26.7	31.4	35.7	39.6
-77.5°	13.5	14.0	14.4	14.8	15.6	16.8	18.4	20.3	22.6	25.1	27.7
-80°	12.6	12.9	13.2	13.5	14.0	14.7	15.5	16.4	17.8	19.6	21.6
-82.5°	11.6	11.8	12.1	12.3	12.5	12.7	13.0	13.4	14.0	14.8	15.7
-85°	10.6	10.8	11.0	11.1	11.3	11.4	11.5	11.7	11.8	11.9	12.0
-87.5°	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.2	10.2	10.3	10.3
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6



REPORT NUMBER: P701621 (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°	8.6	9.2	9.7	10.3	10.8	12.4	14.0	15.6	17.2	16.7	16.1
87.5°	8.6	8.1	7.6	7.0	6.5	6.0	5.4	4.9	4.3	3.8	3.3
85°	8.6	8.4	8.3	8.2	8.2	7.8	7.3	6.8	6.4	5.4	4.3
82.5°	8.6	8.6	8.6	8.6	8.6	8.1	7.6	7.1	6.5	5.5	4.4
80°	8.7	8.6	8.6	8.6	8.6	8.1	7.6	7.1	6.5	5.5	4.4
77.5°	8.9	9.0	9.0	8.9	8.7	8.2	7.6	7.1	6.6	5.6	4.5
75°	10.8	10.5	10.1	9.5	8.8	8.2	7.7	7.1	6.6	6.0	5.4
72.5°	12.6	12.1	11.5	11.1	10.5	10.1	9.7	9.1	8.3	7.8	7.4
70°	16.6	17.0	16.5	15.7	14.4	13.2	12.4	11.5	10.6	9.7	8.8
67.5°	22.4	22.4	21.3	19.6	17.1	14.7	13.6	12.5	11.3	10.7	10.5
65°	29.3	26.7	24.1	21.2	18.0	14.9	13.8	12.6	11.4	10.8	10.8
62.5°	35.7	28.9	23.3	19.7	17.0	14.9	13.3	11.8	10.3	9.2	9.0
60°	38.4	27.4	19.6	17.1	15.0	13.1	11.6	10.3	9.3	8.5	8.0
57.5°	38.5	26.0	16.6	14.4	12.6	11.3	10.4	9.8	9.2	8.5	7.9
55°	35.0	23.1	13.7	12.4	11.8	11.2	10.6	9.9	9.3	8.6	8.0
52.5°	28.6	20.4	14.6	12.5	11.9	11.3	10.7	10.1	9.4	8.7	8.1
50°	24.8	18.6	14.8	12.7	12.1	11.5	10.9	10.7	10.6	10.2	9.7
47.5°	21.5	17.1	14.7	13.0	12.8	13.6	14.4	14.5	14.2	13.7	13.2
45°	18.9	16.5	15.3	16.0	16.6	18.0	18.7	18.8	18.8	18.9	18.7
42.5°	18.7	18.8	20.1	22.2	22.1	24.9	26.2	23.2	26.5	28.3	26.7
40°	24.8	25.4	31.3	36.1	40.6	41.3	48.3	49.2	50.2	53.2	53.7
37.5°	36.3	42.5	60.9	74.8	80.6	81.0	91.2	93.3	90.4	102.8	106.4
35°	55.5	84.2	114.0	131.2	140.8	148.1	161.9	177.8	170.3	197.7	207.2
32.5°	99.6	152.2	206.3	204.2	222.6	271.6	289.9	318.8	348.9	395.1	445.6
30°	167.6	309.5	372.1	349.3	401.0	471.1	471.6	552.0	664.2	759.5	902.9
27.5°	377.6	536.5	618.4	655.1	694.2	782.7	892.4	994.8	1280.2	1475.3	1680.4
25°	641.0	860.4	948.1	1084.3	1207.9	1290.0	1621.5	1863.4	2273.7	2571.5	2879.6
22.5°	1033.6	1323.7	1505.3	1628.5	2044.9	2415.2	2769.4	3296.4	3703.8	4214.6	4599.5
20°	1525.1	1916.9	2584.1	3107.6	3369.1	4155.6	4796.3	5341.0	6063.5	6697.0	7260.4
17.5°	2877.8	3097.9	4491.9	5856.0	6407.5	7424.4	9266.4	9961.3	12041.7	13565.1	14387.7
15°	5210.8	6275.3	7743.5	10017.7	12540.6	14533.6	16279.6	19855.2	23824.7	27343.5	31048.2
12.5°	8239.9	10321.5	12792.5	15574.6	20120.1	23727.1	27590.6	32700.6	39113.0	44693.9	51259.4
10°	11274.4	14791.8	18207.4	22542.4	28284.2	33853.3	39418.0	47511.4	56930.7	65974.3	73793.5
7.5°	13783.4	18551.9	23180.7	29173.8	36994.5	44753.7	52531.3	63235.9	75693.4	86014.8	94887.9
5°	16337.1	22308.8	27738.6	34650.5	43854.9	53305.2	63038.3	76386.0	91100.4	102787.7	111942.6
2.5°	18682.0	25448.8	31733.5	39440.6	49690.7	58936.9	70016.1	86402.2	103935.5	116543.7	126636.1
0°	20575.9	26918.0	33632.5	41388.5	52897.8	63090.0	74962.9	92534.5	110880.9	123478.0	132791.1
-2.5°	20168.2	26583.1	32860.9	40741.1	52295.7	61678.9	73698.8	90987.5	109113.6	121912.1	130276.7
-5°	18895.5	24573.3	30209.8	37610.6	47771.3	56914.7	68685.9	86457.2	103844.1	116895.3	126520.1
-7.5°	17013.7	21834.4	26946.8	33690.5	42535.0	51281.4	61519.8	75682.7	91910.6	103716.0	110692.2
-10°	15032.5	19023.8	23811.6	29510.7	36810.1	44666.0	53168.7	64514.2	78380.7	88733.6	95351.8
-12.5°	13295.8	16754.0	21025.2	25240.2	31195.7	38192.4	45742.5	55026.8	64176.7	75093.9	80815.7
-15°	11696.1	14578.6	18248.8	22290.2	27239.2	32738.2	38148.1	45099.6	51058.1	57877.5	62832.1
-17.5°	10357.7	12659.7	15911.7	19828.3	23554.8	28290.0	33452.6	38161.5	43199.1	48121.8	52230.5
-20°	9148.1	11047.5	13820.3	17268.7	20940.2	24966.9	29522.4	33355.4	37471.8	41212.5	44426.1



REPORT NUMBER: P701621 (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°	7773.4	9699.4	11846.9	14797.3	18474.3	22084.3	25457.7	28354.5	31465.0	34487.7	36769.6
-25°	6342.8	8191.3	10247.3	13031.7	16043.8	19081.4	21470.5	23509.9	25937.9	28116.1	30074.3
-27.5°	4863.5	6834.3	9051.9	11377.5	13997.5	15927.8	17938.4	19782.8	21628.1	23093.6	24747.3
-30°	3381.2	5531.6	7712.6	9913.8	11708.4	13249.3	14748.8	16440.2	18109.8	19502.7	20670.0
-32.5°	2321.9	3873.2	6073.9	8120.9	9654.9	10964.4	12122.6	13565.0	14858.8	16005.2	17026.4
-35°	1394.6	2487.4	3998.6	5943.9	7622.3	8896.5	10076.2	11169.8	12135.6	13101.1	13869.3
-37.5°	1194.7	1436.8	2353.4	3647.0	5244.2	6786.1	7998.1	9021.9	9921.8	10665.3	11317.1
-40°	1075.8	1219.0	1419.4	1860.8	3036.9	4214.5	5537.2	6704.1	7653.2	8351.6	8918.9
-42.5°	1005.6	1097.4	1195.5	1352.7	1527.5	2086.5	3098.6	4065.3	4899.5	5673.1	6337.2
-45°	993.7	1032.6	1085.4	1174.0	1254.7	1399.5	1557.7	1712.3	2368.4	2990.2	3500.4
-47.5°	919.2	998.5	1046.9	1086.7	1128.9	1197.4	1264.2	1335.8	1455.1	1567.2	1663.3
-50°	810.6	895.9	969.1	1040.6	1078.1	1105.9	1133.4	1169.0	1215.6	1258.1	1297.2
-52.5°	677.3	759.4	841.5	917.7	977.3	1032.0	1081.2	1104.2	1121.8	1137.8	1150.3
-55°	559.0	623.8	688.5	758.1	826.9	892.4	949.0	986.3	1020.0	1049.8	1075.2
-57.5°	447.5	498.0	550.6	607.3	662.2	715.0	765.4	811.3	852.1	887.6	917.4
-60°	346.7	380.7	424.7	469.6	512.4	552.9	593.8	630.8	664.4	693.9	717.1
-62.5°	260.2	288.4	321.8	353.5	381.5	411.8	449.9	481.8	508.0	529.2	547.8
-65°	186.9	210.5	237.3	263.9	289.9	315.8	342.5	368.1	392.6	412.2	426.1
-67.5°	132.7	149.4	168.3	184.7	204.2	226.9	251.0	273.1	293.2	307.1	315.5
-70°	97.8	107.6	121.3	137.0	153.3	168.4	183.8	199.1	214.2	224.9	232.9
-72.5°	71.3	81.0	91.0	101.2	112.2	123.4	134.6	145.9	157.3	164.3	169.2
-75°	43.2	48.9	57.7	66.2	74.5	82.2	89.5	96.3	102.7	106.0	108.2
-77.5°	31.0	35.0	39.3	43.8	48.3	52.9	57.4	62.0	66.5	68.5	70.1
-80°	23.6	25.9	28.4	30.9	33.6	36.3	39.1	41.9	44.8	45.2	45.3
-82.5°	16.8	18.4	20.1	21.7	23.3	24.8	26.3	27.8	29.2	29.5	29.7
-85°	12.1	13.1	14.2	15.2	16.4	17.5	18.7	19.9	21.0	21.2	21.3
-87.5°	10.4	11.0	11.6	12.1	12.7	13.4	14.0	14.6	15.2	15.1	15.1
-90°	8.6	8.1	7.6	7.0	6.5	6.0	5.4	4.9	4.3	3.8	3.3



REPORT NUMBER: P701621 (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°	15.6	15.1	15.1	15.1	15.1	15.1	15.6	16.1	16.7	17.2	15.6
87.5°	2.7	2.2	1.1	0.0	1.1	2.2	2.7	3.3	3.8	4.3	4.9
85°	3.3	2.2	2.2	2.2	2.2	2.2	3.3	4.3	5.4	6.4	6.8
82.5°	3.3	2.2	2.2	2.2	2.2	2.2	3.3	4.4	5.5	6.5	7.1
80°	3.3	2.2	2.2	2.2	2.2	2.2	3.3	4.4	5.5	6.5	7.1
77.5°	3.4	2.3	2.2	2.2	2.2	2.3	3.4	4.5	5.6	6.6	7.1
75°	4.8	4.3	3.3	2.2	3.3	4.3	4.8	5.4	6.0	6.6	7.1
72.5°	7.0	6.5	6.5	6.5	6.5	6.5	7.0	7.4	7.8	8.3	9.1
70°	7.7	6.6	6.5	6.5	6.5	6.6	7.7	8.8	9.7	10.6	11.5
67.5°	10.6	10.7	9.8	8.6	9.8	10.7	10.6	10.5	10.7	11.3	12.5
65°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	11.4	12.6
62.5°	8.8	8.7	8.6	8.6	8.6	8.7	8.8	9.0	9.2	10.3	11.8
60°	7.4	6.8	6.5	6.5	6.5	6.8	7.4	8.0	8.5	9.3	10.3
57.5°	7.3	6.7	6.5	6.5	6.5	6.7	7.3	7.9	8.5	9.2	9.8
55°	7.4	6.7	6.5	6.5	6.5	6.7	7.4	8.0	8.6	9.3	9.9
52.5°	7.4	6.8	7.3	8.6	7.3	6.8	7.4	8.1	8.7	9.4	10.1
50°	9.3	8.8	8.6	8.6	8.6	8.8	9.3	9.7	10.2	10.6	10.7
47.5°	12.4	11.4	10.8	10.8	10.8	11.4	12.4	13.2	13.7	14.2	14.5
45°	17.6	16.0	15.0	15.1	15.0	16.0	17.6	18.7	18.9	18.8	18.8
42.5°	26.4	25.9	25.5	25.8	25.5	25.9	26.4	26.7	28.3	26.5	23.2
40°	56.7	57.5	57.3	58.1	57.3	57.5	56.7	53.7	53.2	50.2	49.2
37.5°	106.8	103.2	97.8	99.0	97.8	103.2	106.8	106.4	102.8	90.4	93.3
35°	208.4	213.8	213.4	215.2	213.4	213.8	208.4	207.2	197.7	170.3	177.8
32.5°	482.1	507.7	508.3	518.6	508.3	507.7	482.1	445.6	395.1	348.9	318.8
30°	947.3	967.7	937.0	951.2	937.0	967.7	947.3	902.9	759.5	664.2	552.0
27.5°	1787.0	1862.3	1861.6	1829.3	1861.6	1862.3	1787.0	1680.4	1475.3	1280.2	994.8
25°	3138.9	3255.2	3233.8	3195.8	3233.8	3255.2	3138.9	2879.6	2571.5	2273.7	1863.4
22.5°	4949.0	5141.2	5295.1	5195.1	5295.1	5141.2	4949.0	4599.5	4214.6	3703.8	3296.4
20°	8089.3	8144.2	8307.6	8248.9	8307.6	8144.2	8089.3	7260.4	6697.0	6063.5	5341.0
17.5°	16616.6	17212.8	16798.0	15535.8	16798.0	17212.8	16616.6	14387.7	13565.1	12041.7	9961.3
15°	33650.5	36149.0	38089.2	37024.1	38089.2	36149.0	33650.5	31048.2	27343.5	23824.7	19855.2
12.5°	55107.1	56950.7	58184.1	58274.7	58184.1	56950.7	55107.1	51259.4	44693.9	39113.0	32700.6
10°	79096.0	80725.1	82907.2	83213.9	82907.2	80725.1	79096.0	73793.5	65974.3	56930.7	47511.4
7.5°	99291.5	102595.0	104124.5	103919.0	104124.5	102595.0	99291.5	94887.9	86014.8	75693.4	63235.9
5°	117352.9	120775.4	122274.5	122523.6	122274.5	120775.4	117352.9	111942.6	102787.7	91100.4	76386.0
2.5°	132681.4	136136.7	137937.8	137443.8	137937.8	136136.7	132681.4	126636.1	116543.7	103935.5	86402.2
0°	137640.7	140362.0	141871.7	141457.4	141871.7	140362.0	137640.7	132791.1	123478.0	110880.9	92534.5
-2.5°	134488.2	136127.9	137265.7	136826.2	137265.7	136127.9	134488.2	130276.7	121912.1	109113.6	90987.5
-5°	130994.4	132940.1	133365.8	133886.5	133365.8	132940.1	130994.4	126520.1	116895.3	103844.1	86457.2
-7.5°	113345.8	115427.3	116114.7	117156.3	116114.7	115427.3	113345.8	110692.2	103716.0	91910.6	75682.7
-10°	98953.1	101287.6	101400.0	102042.4	101400.0	101287.6	98953.1	95351.8	88733.6	78380.7	64514.2
-12.5°	86897.2	90109.7	91175.6	90920.5	91175.6	90109.7	86897.2	80815.7	75093.9	64176.7	55026.8
-15°	69428.2	72172.4	72368.3	72496.6	72368.3	72172.4	69428.2	62832.1	57877.5	51058.1	45099.6
-17.5°	56590.3	59256.9	60284.9	60604.3	60284.9	59256.9	56590.3	52230.5	48121.8	43199.1	38161.5
-20°	47184.7	49170.0	50425.7	50945.9	50425.7	49170.0	47184.7	44426.1	41212.5	37471.8	33355.4



REPORT NUMBER: P701621 (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°	38764.1	40022.6	40481.6	40596.6	40481.6	40022.6	38764.1	36769.6	34487.7	31465.0	28354.5
-25°	31449.8	32449.4	33030.6	33273.1	33030.6	32449.4	31449.8	30074.3	28116.1	25937.9	23509.9
-27.5°	25819.9	26709.5	27268.9	27354.9	27268.9	26709.5	25819.9	24747.3	23093.6	21628.1	19782.8
-30°	21563.6	22344.9	22867.6	23009.9	22867.6	22344.9	21563.6	20670.0	19502.7	18109.8	16440.2
-32.5°	17867.7	18536.4	18946.5	19123.3	18946.5	18536.4	17867.7	17026.4	16005.2	14858.8	13565.0
-35°	14442.7	14892.2	15155.0	15068.8	15155.0	14892.2	14442.7	13869.3	13101.1	12135.6	11169.8
-37.5°	11839.8	12201.4	12398.2	12408.8	12398.2	12201.4	11839.8	11317.1	10665.3	9921.8	9021.9
-40°	9388.7	9756.0	9977.4	9989.9	9977.4	9756.0	9388.7	8918.9	8351.6	7653.2	6704.1
-42.5°	6865.4	7241.5	7498.4	7665.7	7498.4	7241.5	6865.4	6337.2	5673.1	4899.5	4065.3
-45°	3926.0	4251.0	4498.8	4678.6	4498.8	4251.0	3926.0	3500.4	2990.2	2368.4	1712.3
-47.5°	1735.1	1787.8	1810.8	1803.4	1810.8	1787.8	1735.1	1663.3	1567.2	1455.1	1335.8
-50°	1333.0	1364.2	1379.8	1379.5	1379.8	1364.2	1333.0	1297.2	1258.1	1215.6	1169.0
-52.5°	1160.3	1168.1	1172.8	1175.0	1172.8	1168.1	1160.3	1150.3	1137.8	1121.8	1104.2
-55°	1096.1	1112.6	1118.7	1116.9	1118.7	1112.6	1096.1	1075.2	1049.8	1020.0	986.3
-57.5°	942.7	963.0	976.5	983.5	976.5	963.0	942.7	917.4	887.6	852.1	811.3
-60°	734.5	746.6	754.1	757.5	754.1	746.6	734.5	717.1	693.9	664.4	630.8
-62.5°	564.2	578.0	584.8	587.5	584.8	578.0	564.2	547.8	529.2	508.0	481.8
-65°	438.2	448.3	453.8	456.2	453.8	448.3	438.2	426.1	412.2	392.6	368.1
-67.5°	321.8	326.3	328.6	329.3	328.6	326.3	321.8	315.5	307.1	293.2	273.1
-70°	240.3	246.9	251.0	253.9	251.0	246.9	240.3	232.9	224.9	214.2	199.1
-72.5°	173.3	176.7	179.2	180.8	179.2	176.7	173.3	169.2	164.3	157.3	145.9
-75°	109.8	111.0	111.7	111.9	111.7	111.0	109.8	108.2	106.0	102.7	96.3
-77.5°	71.4	72.6	74.1	75.3	74.1	72.6	71.4	70.1	68.5	66.5	62.0
-80°	45.2	45.0	45.1	45.2	45.1	45.0	45.2	45.3	45.2	44.8	41.9
-82.5°	29.9	30.0	30.1	30.1	30.1	30.0	29.9	29.7	29.5	29.2	27.8
-85°	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.3	21.2	21.0	19.9
-87.5°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.2	14.6
-90°	2.7	2.2	1.1	0.0	1.1	2.2	2.7	3.3	3.8	4.3	4.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.0	12.4	10.8	10.3	9.7	9.2	8.6	8.6	8.6	8.6	8.6
87.5°	5.4	6.0	6.5	7.0	7.6	8.1	8.6	8.6	8.6	8.6	8.6
85°	7.3	7.8	8.2	8.2	8.3	8.4	8.6	8.6	8.6	8.6	8.6
82.5°	7.6	8.1	8.6	8.6	8.6	8.6	8.6	8.8	8.9	9.0	8.9
80°	7.6	8.1	8.6	8.6	8.6	8.6	8.7	9.2	9.8	10.2	10.4
77.5°	7.6	8.2	8.7	8.9	9.0	9.0	8.9	9.3	9.8	10.4	10.8
75°	7.7	8.2	8.8	9.5	10.1	10.5	10.8	11.0	11.1	11.3	11.2
72.5°	9.7	10.1	10.5	11.1	11.5	12.1	12.6	12.7	12.8	12.9	12.5
70°	12.4	13.2	14.4	15.7	16.5	17.0	16.6	15.8	14.9	14.6	13.8
67.5°	13.6	14.7	17.1	19.6	21.3	22.4	22.4	21.1	19.8	18.6	16.1
65°	13.8	14.9	18.0	21.2	24.1	26.7	29.3	29.7	28.4	25.2	19.5
62.5°	13.3	14.9	17.0	19.7	23.3	28.9	35.7	38.7	39.1	34.5	26.4
60°	11.6	13.1	15.0	17.1	19.6	27.4	38.4	46.6	51.5	43.7	32.9
57.5°	10.4	11.3	12.6	14.4	16.6	26.0	38.5	52.1	61.0	49.2	38.4
55°	10.6	11.2	11.8	12.4	13.7	23.1	35.0	48.6	57.2	50.7	38.7
52.5°	10.7	11.3	11.9	12.5	14.6	20.4	28.6	41.5	46.2	41.4	35.0
50°	10.9	11.5	12.1	12.7	14.8	18.6	24.8	33.7	34.1	32.5	27.3
47.5°	14.4	13.6	12.8	13.0	14.7	17.1	21.5	25.4	26.6	24.9	21.3
45°	18.7	18.0	16.6	16.0	15.3	16.5	18.9	21.4	22.4	21.6	17.7
42.5°	26.2	24.9	22.1	22.2	20.1	18.8	18.7	20.7	21.0	20.5	19.9
40°	48.3	41.3	40.6	36.1	31.3	25.4	24.8	23.6	23.2	21.0	24.7
37.5°	91.2	81.0	80.6	74.8	60.9	42.5	36.3	32.1	28.6	30.6	33.5
35°	161.9	148.1	140.8	131.2	114.0	84.2	55.5	45.2	41.0	43.3	45.6
32.5°	289.9	271.6	222.6	204.2	206.3	152.2	99.6	65.4	62.0	60.9	58.9
30°	471.6	471.1	401.0	349.3	372.1	309.5	167.6	121.8	93.1	82.6	74.7
27.5°	892.4	782.7	694.2	655.1	618.4	536.5	377.6	208.9	139.8	112.3	99.3
25°	1621.5	1290.0	1207.9	1084.3	948.1	860.4	641.0	399.8	235.1	152.1	147.3
22.5°	2769.4	2415.2	2044.9	1628.5	1505.3	1323.7	1033.6	624.9	380.6	285.0	221.9
20°	4796.3	4155.6	3369.1	3107.6	2584.1	1916.9	1525.1	1181.6	857.1	516.8	319.7
17.5°	9266.4	7424.4	6407.5	5856.0	4491.9	3097.9	2877.8	2387.0	1536.4	809.3	436.5
15°	16279.6	14533.6	12540.6	10017.7	7743.5	6275.3	5210.8	3935.3	2474.6	1302.7	701.5
12.5°	27590.6	23727.1	20120.1	15574.6	12792.5	10321.5	8239.9	6016.9	3801.1	2175.6	1164.2
10°	39418.0	33853.3	28284.2	22542.4	18207.4	14791.8	11274.4	7913.2	5214.7	3207.8	1693.8
7.5°	52531.3	44753.7	36994.5	29173.8	23180.7	18551.9	13783.4	9555.9	6520.4	4276.6	2263.5
5°	63038.3	53305.2	43854.9	34650.5	27738.6	22308.8	16337.1	11045.2	7711.6	5337.2	2841.1
2.5°	70016.1	58936.9	49690.7	39440.6	31733.5	25448.8	18682.0	12513.4	8590.6	5947.9	3079.4
0°	74962.9	63090.0	52897.8	41388.5	33632.5	26918.0	20575.9	13945.4	9264.6	6368.0	3251.8
-2.5°	73698.8	61678.9	52295.7	40741.1	32860.9	26583.1	20168.2	14668.6	10065.2	6728.0	3309.0
-5°	68685.9	56914.7	47771.3	37610.6	30209.8	24573.3	18895.5	14382.9	10250.3	6787.1	3283.7
-7.5°	61519.8	51281.4	42535.0	33690.5	26946.8	21834.4	17013.7	13043.3	9401.4	6143.7	3043.9
-10°	53168.7	44666.0	36810.1	29510.7	23811.6	19023.8	15032.5	11619.4	8443.3	5398.9	2727.8
-12.5°	45742.5	38192.4	31195.7	25240.2	21025.2	16754.0	13295.8	10256.5	7404.9	4582.5	2338.8
-15°	38148.1	32738.2	27239.2	22290.2	18248.8	14578.6	11696.1	9162.0	6473.3	3731.7	1879.3
-17.5°	33452.6	28290.0	23554.8	19828.3	15911.7	12659.7	10357.7	8060.1	5475.4	2970.8	1419.6
-20°	29522.4	24966.9	20940.2	17268.7	13820.3	11047.5	9148.1	6863.9	4363.4	2349.0	1280.0



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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°	25457.7	22084.3	18474.3	14797.3	11846.9	9699.4	7773.4	5572.1	3146.1	1675.0	1132.2
-25°	21470.5	19081.4	16043.8	13031.7	10247.3	8191.3	6342.8	4209.3	2373.9	1266.4	990.3
-27.5°	17938.4	15927.8	13997.5	11377.5	9051.9	6834.3	4863.5	2928.2	1573.0	1113.1	919.2
-30°	14748.8	13249.3	11708.4	9913.8	7712.6	5531.6	3381.2	2008.4	1233.1	981.3	864.3
-32.5°	12122.6	10964.4	9654.9	8120.9	6073.9	3873.2	2321.9	1312.1	1051.7	921.4	845.7
-35°	10076.2	8896.5	7622.3	5943.9	3998.6	2487.4	1394.6	1129.9	963.0	873.2	837.4
-37.5°	7998.1	6786.1	5244.2	3647.0	2353.4	1436.8	1194.7	1023.8	904.7	863.5	804.2
-40°	5537.2	4214.5	3036.9	1860.8	1419.4	1219.0	1075.8	957.1	904.1	835.6	756.6
-42.5°	3098.6	2086.5	1527.5	1352.7	1195.5	1097.4	1005.6	951.8	880.3	787.7	685.8
-45°	1557.7	1399.5	1254.7	1174.0	1085.4	1032.6	993.7	912.0	819.2	712.7	606.5
-47.5°	1264.2	1197.4	1128.9	1086.7	1046.9	998.5	919.2	834.8	725.9	623.0	533.3
-50°	1133.4	1105.9	1078.1	1040.6	969.1	895.9	810.6	718.8	624.3	538.8	458.3
-52.5°	1081.2	1032.0	977.3	917.7	841.5	759.4	677.3	605.2	528.5	455.7	386.0
-55°	949.0	892.4	826.9	758.1	688.5	623.8	559.0	497.8	439.1	374.3	318.5
-57.5°	765.4	715.0	662.2	607.3	550.6	498.0	447.5	397.4	354.1	303.4	253.4
-60°	593.8	552.9	512.4	469.6	424.7	380.7	346.7	311.0	273.9	235.1	194.5
-62.5°	449.9	411.8	381.5	353.5	321.8	288.4	260.2	232.9	202.9	170.3	144.5
-65°	342.5	315.8	289.9	263.9	237.3	210.5	186.9	165.6	145.8	124.7	103.0
-67.5°	251.0	226.9	204.2	184.7	168.3	149.4	132.7	115.6	103.4	92.5	80.0
-70°	183.8	168.4	153.3	137.0	121.3	107.6	97.8	88.9	79.2	68.8	58.1
-72.5°	134.6	123.4	112.2	101.2	91.0	81.0	71.3	62.4	53.8	45.5	37.9
-75°	89.5	82.2	74.5	66.2	57.7	48.9	43.2	39.6	35.7	31.4	26.7
-77.5°	57.4	52.9	48.3	43.8	39.3	35.0	31.0	27.7	25.1	22.6	20.3
-80°	39.1	36.3	33.6	30.9	28.4	25.9	23.6	21.6	19.6	17.8	16.4
-82.5°	26.3	24.8	23.3	21.7	20.1	18.4	16.8	15.7	14.8	14.0	13.4
-85°	18.7	17.5	16.4	15.2	14.2	13.1	12.1	12.0	11.9	11.8	11.7
-87.5°	14.0	13.4	12.7	12.1	11.6	11.0	10.4	10.3	10.3	10.2	10.2
-90°	5.4	6.0	6.5	7.0	7.6	8.1	8.6	8.6	8.6	8.6	8.6



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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°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.8	9.0	9.1
85°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	9.0	9.4	9.6
82.5°	8.7	8.6	8.6	8.6	9.0	9.2	9.2	9.2	9.4	9.8	10.1
80°	10.1	9.8	9.5	9.3	9.5	9.8	10.1	10.1	10.0	10.1	10.4
77.5°	10.8	10.8	10.8	10.5	10.3	10.3	10.5	10.8	10.6	10.5	10.6
75°	10.8	10.8	10.8	10.8	10.8	10.8	10.7	10.8	10.8	10.8	10.7
72.5°	11.7	11.2	10.9	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
70°	12.7	11.7	10.9	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
67.5°	14.0	12.9	11.7	10.9	10.8	10.8	10.8	10.8	10.8	10.8	10.8
65°	16.6	14.4	12.8	11.8	11.1	10.8	10.8	10.8	10.8	10.8	10.8
62.5°	20.1	15.9	13.9	12.5	11.5	11.0	10.8	10.8	10.8	10.8	10.8
60°	24.5	18.4	15.2	13.5	12.1	11.1	10.8	10.8	10.8	10.8	10.8
57.5°	28.0	20.3	17.4	14.9	13.0	11.5	10.8	10.8	10.8	10.8	10.8
55°	29.4	22.0	19.4	16.9	14.2	12.3	11.1	10.8	10.8	10.8	10.8
52.5°	26.1	22.7	21.1	18.6	16.0	13.3	11.9	10.8	10.8	10.8	10.8
50°	20.5	21.4	21.5	19.8	17.6	14.9	12.7	11.4	10.8	10.8	10.9
47.5°	18.1	20.2	20.6	20.3	18.4	16.4	13.8	12.1	10.8	10.8	11.1
45°	18.6	19.3	20.1	19.8	19.1	17.2	15.0	12.8	11.4	11.0	11.3
42.5°	20.6	20.7	20.3	19.5	19.3	17.8	15.9	13.6	12.0	11.3	11.5
40°	24.9	23.5	21.6	21.3	19.6	18.4	16.4	14.3	12.6	11.7	11.8
37.5°	30.4	28.1	25.1	25.6	21.3	19.0	16.9	14.9	13.4	12.5	12.1
35°	42.0	34.4	32.5	32.3	27.0	19.9	17.3	15.3	14.4	13.2	12.5
32.5°	56.9	46.3	43.3	40.2	34.6	21.0	18.0	16.7	15.4	14.0	13.0
30°	73.0	67.3	55.7	49.0	43.4	27.9	19.9	18.3	16.5	14.7	13.5
27.5°	98.3	90.8	71.1	60.4	51.7	37.0	23.9	20.1	17.6	15.5	14.1
25°	132.4	117.0	93.3	73.4	60.5	58.7	28.9	22.3	19.0	16.4	14.7
22.5°	180.3	147.6	117.1	87.3	96.2	86.4	40.6	26.2	20.6	17.3	15.2
20°	235.8	182.3	154.0	146.6	140.5	116.8	61.1	30.5	22.4	18.2	15.8
17.5°	302.5	267.8	256.4	221.3	190.2	151.8	84.7	35.4	24.2	19.1	16.3
15°	492.3	419.5	369.7	304.9	243.8	190.6	110.6	40.4	26.1	20.1	16.7
12.5°	716.9	580.4	491.3	395.5	300.5	232.1	138.2	45.7	28.0	20.8	16.8
10°	949.7	747.8	618.8	490.7	359.1	275.2	166.3	51.6	30.6	21.5	17.0
7.5°	1186.3	918.6	749.6	588.3	417.4	317.6	197.2	58.5	33.3	22.1	17.1
5°	1401.0	1066.9	856.6	666.5	469.2	357.1	227.4	65.2	35.9	22.7	17.1
2.5°	1519.1	1175.3	944.6	737.5	519.0	394.2	255.3	71.6	38.5	23.3	17.2
0°	1622.7	1276.2	1026.5	802.7	566.0	428.3	279.8	77.5	40.9	23.7	17.2
-2.5°	1623.2	1260.1	1023.2	822.5	589.3	441.3	290.5	94.6	51.4	29.5	19.2
-5°	1607.5	1236.2	1015.0	835.4	608.0	450.5	296.9	110.6	61.3	35.0	21.1
-7.5°	1535.5	1189.0	994.2	838.2	621.2	455.8	299.7	125.1	70.5	40.1	22.8
-10°	1439.5	1126.1	956.4	812.0	615.8	454.4	298.9	137.7	78.6	44.5	24.3
-12.5°	1329.1	1060.0	919.6	783.3	603.7	447.1	293.5	147.5	85.5	48.1	25.5
-15°	1204.7	992.0	885.4	753.3	587.6	436.8	285.8	154.6	91.3	51.1	26.2
-17.5°	1071.9	923.5	855.5	723.4	567.8	423.9	276.2	159.5	95.5	53.6	27.5
-20°	1001.3	878.3	827.9	694.4	544.4	408.5	265.3	161.7	98.0	55.2	29.0



REPORT NUMBER: P701621 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	939.3	854.8	787.9	664.1	519.8	390.9	253.3	161.3	98.6	55.7	30.0
-25°	875.9	832.4	748.1	624.3	495.9	372.2	246.0	158.0	97.3	55.0	30.5
-27.5°	840.5	804.7	708.7	581.3	463.6	353.7	241.2	156.1	94.8	53.0	30.4
-30°	818.1	760.6	660.6	537.4	428.6	325.3	232.7	151.6	92.4	51.9	29.8
-32.5°	801.1	718.5	607.5	496.3	393.5	295.1	215.4	144.3	88.3	51.0	29.6
-35°	763.8	666.7	552.6	452.6	357.5	270.1	194.9	134.0	82.5	49.4	29.0
-37.5°	721.2	607.7	502.8	408.8	319.9	243.4	175.9	120.1	74.9	47.0	27.8
-40°	653.8	548.6	452.4	366.3	286.7	214.9	155.1	107.0	69.8	43.7	25.9
-42.5°	583.4	490.5	403.5	322.3	253.9	190.0	133.4	92.9	63.6	40.4	23.3
-45°	517.1	431.6	353.3	284.1	220.3	163.1	116.7	78.8	56.3	36.6	21.0
-47.5°	449.2	374.3	305.4	243.4	188.6	136.9	99.0	69.9	48.4	31.8	19.8
-50°	384.5	318.2	258.6	204.8	154.3	116.3	82.3	60.1	41.5	25.7	18.3
-52.5°	322.5	264.8	213.7	166.2	127.9	94.7	70.4	49.8	34.1	22.3	16.6
-55°	263.2	214.8	170.4	133.9	102.4	78.4	57.6	41.0	26.3	20.0	14.9
-57.5°	209.3	166.8	134.4	104.7	81.9	63.0	46.0	31.7	22.4	17.6	14.5
-60°	157.9	129.3	101.3	82.2	64.9	48.9	35.0	24.1	19.6	15.5	14.0
-62.5°	118.6	95.2	79.2	63.5	49.3	36.4	25.1	21.0	16.8	14.9	13.5
-65°	89.0	74.2	59.1	47.1	35.2	25.8	21.6	17.8	15.7	14.3	13.1
-67.5°	66.9	54.5	42.2	31.3	25.4	21.3	17.8	16.3	15.0	13.7	13.1
-70°	47.1	36.1	28.4	23.6	19.8	17.1	16.4	15.5	14.3	13.5	13.0
-72.5°	31.9	26.2	20.9	17.1	16.6	16.1	15.5	14.7	13.8	13.2	12.9
-75°	21.9	19.2	17.2	16.0	15.5	15.0	14.5	13.9	13.3	12.9	12.4
-77.5°	18.4	16.8	15.6	14.8	14.4	14.0	13.5	13.1	12.7	12.3	11.8
-80°	15.5	14.7	14.0	13.5	13.2	12.9	12.6	12.2	11.9	11.6	11.2
-82.5°	13.0	12.7	12.5	12.3	12.1	11.8	11.6	11.4	11.1	10.8	10.6
-85°	11.5	11.4	11.3	11.1	11.0	10.8	10.6	10.5	10.3	10.1	9.9
-87.5°	10.1	10.0	9.9	9.9	9.8	9.7	9.6	9.5	9.4	9.4	9.3
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6



REPORT NUMBER: P701621 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	9.2	9.1	9.0	8.9	8.8	8.6	8.6
85°	9.7	9.6	9.4	9.2	9.0	8.7	8.6
82.5°	10.3	10.0	9.7	9.5	9.2	8.7	8.6
80°	10.8	10.5	10.1	9.7	9.4	8.8	8.6
77.5°	10.8	10.8	10.5	10.0	9.5	8.8	8.6
75°	10.8	10.8	10.8	10.3	9.7	8.9	8.6
72.5°	10.8	10.8	10.8	10.6	9.9	8.9	8.6
70°	10.8	10.8	10.8	10.8	10.0	9.0	8.6
67.5°	10.8	10.8	10.8	10.8	10.2	9.0	8.6
65°	10.8	10.8	10.8	10.8	10.3	9.0	8.6
62.5°	10.8	10.8	10.8	10.8	10.4	9.1	8.6
60°	10.8	10.8	10.8	10.8	10.5	9.1	8.6
57.5°	10.8	10.8	10.8	10.8	10.5	9.1	8.6
55°	10.8	10.8	10.8	10.8	10.5	9.1	8.6
52.5°	10.8	10.8	10.8	10.8	10.4	9.1	8.6
50°	10.8	10.8	10.8	10.8	10.4	9.1	8.6
47.5°	10.8	10.8	10.8	10.8	10.4	9.1	8.6
45°	11.0	10.8	10.8	10.8	10.4	9.2	8.6
42.5°	11.2	10.8	10.8	10.8	10.4	9.1	8.6
40°	11.4	10.8	10.8	10.8	10.4	9.1	8.6
37.5°	11.7	10.8	10.8	10.8	10.4	9.1	8.6
35°	12.0	10.9	10.8	10.8	10.5	9.1	8.6
32.5°	12.3	11.2	10.8	10.8	10.5	9.1	8.6
30°	12.6	11.4	10.8	10.8	10.5	9.1	8.6
27.5°	13.0	11.6	10.8	10.8	10.5	9.1	8.6
25°	13.4	11.9	10.8	10.8	10.6	9.0	8.6
22.5°	13.8	12.1	10.8	10.8	10.6	9.0	8.6
20°	14.2	12.3	10.8	10.8	10.6	9.0	8.6
17.5°	14.5	12.4	10.8	10.8	10.7	8.9	8.6
15°	14.6	12.5	10.8	10.8	10.7	8.9	8.6
12.5°	14.8	12.6	10.8	10.8	10.7	8.8	8.6
10°	14.9	12.7	10.8	10.8	10.7	8.8	8.6
7.5°	15.0	12.8	10.8	10.8	10.8	8.7	8.6
5°	15.0	12.9	10.8	10.8	10.8	8.7	8.6
2.5°	15.1	12.9	10.8	10.8	10.8	8.6	8.6
0°	15.1	12.9	10.8	10.8	10.8	8.6	8.6
-2.5°	15.4	13.1	11.0	10.8	10.8	8.6	8.6
-5°	15.6	13.3	11.2	10.8	10.8	8.7	8.6
-7.5°	15.8	13.5	11.3	10.8	10.8	8.7	8.6
-10°	16.0	13.7	11.5	10.8	10.7	8.8	8.6
-12.5°	16.2	13.8	11.6	10.8	10.7	8.8	8.6
-15°	16.3	14.0	11.7	10.8	10.7	8.9	8.6
-17.5°	16.4	14.1	11.8	10.8	10.7	8.9	8.6
-20°	16.9	14.1	11.9	10.8	10.6	9.0	8.6



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.9	14.2	11.9	10.8	10.6	9.0	8.6
-25°	18.6	14.3	11.9	10.8	10.6	9.0	8.6
-27.5°	18.9	14.3	11.9	10.8	10.5	9.1	8.6
-30°	18.8	14.2	11.8	10.8	10.5	9.1	8.6
-32.5°	18.2	14.0	11.7	10.8	10.5	9.1	8.6
-35°	17.8	13.7	11.5	10.8	10.5	9.1	8.6
-37.5°	17.5	13.4	11.4	10.8	10.4	9.1	8.6
-40°	17.0	13.2	11.2	10.8	10.4	9.1	8.6
-42.5°	16.3	13.0	11.2	10.8	10.4	9.1	8.6
-45°	15.4	12.7	11.2	10.9	10.4	9.2	8.6
-47.5°	14.4	12.5	11.3	10.9	10.4	9.1	8.6
-50°	14.0	12.2	11.4	10.9	10.4	9.1	8.6
-52.5°	13.6	11.9	11.4	11.0	10.4	9.1	8.6
-55°	13.3	11.9	11.5	11.0	10.5	9.1	8.6
-57.5°	12.9	12.0	11.5	11.0	10.5	9.1	8.6
-60°	12.5	12.0	11.6	11.0	10.5	9.1	8.6
-62.5°	12.6	12.1	11.5	10.9	10.4	9.1	8.6
-65°	12.6	12.1	11.4	10.9	10.3	9.0	8.6
-67.5°	12.7	12.0	11.3	10.9	10.2	9.0	8.6
-70°	12.7	11.8	11.1	10.8	10.0	9.0	8.6
-72.5°	12.3	11.5	11.0	10.6	9.9	8.9	8.6
-75°	11.9	11.2	10.8	10.3	9.7	8.9	8.6
-77.5°	11.4	10.9	10.5	10.0	9.5	8.8	8.6
-80°	10.9	10.5	10.1	9.7	9.4	8.8	8.6
-82.5°	10.3	10.0	9.7	9.5	9.2	8.7	8.6
-85°	9.7	9.6	9.4	9.2	9.0	8.7	8.6
-87.5°	9.2	9.1	9.0	8.9	8.8	8.6	8.6
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6

(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

