

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: P701493 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-1S-HEG-S**

Issue Date: 8/15/2023

Test Information

Test Method: LM-79-08
Report Number: P701493 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-80-1S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

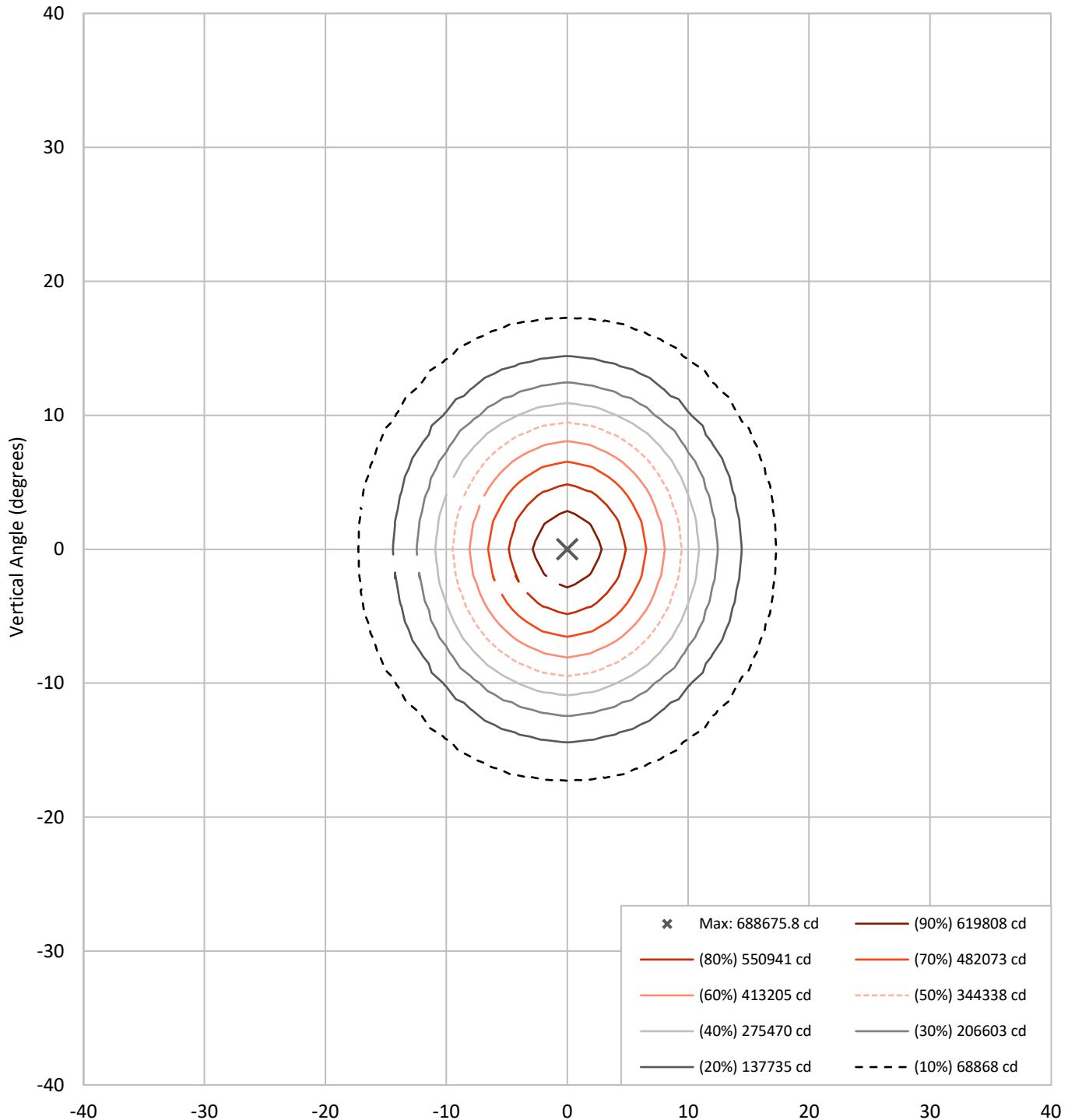
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	93291.8 lumens	Max Intensity:	688675.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	128.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	40210 lumens	Field Lumens:	74075.6 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%

Input Watts (W): 724.6
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





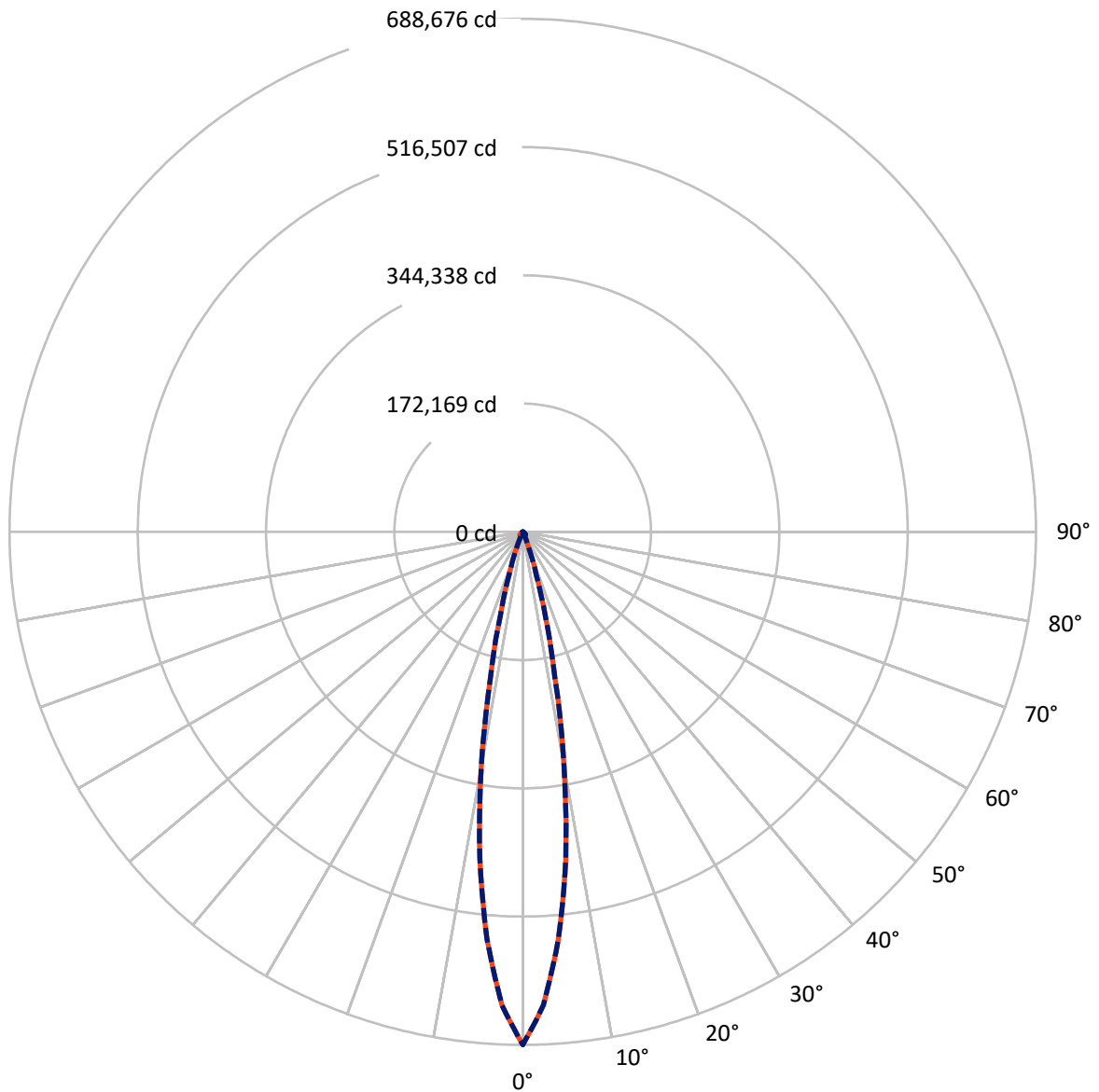
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Lumen Table

90																			
80	0.1	0.9		3.2		8.1		10.7		8.1		3.2		0.9		0.1			
70																			
60	0.4	0.5	1.9	5.8	11.7	18.2	23.6	26.5	26.5	23.6	18.2	11.7	5.8	1.9	0.5	0.4			
50		1.5	6.9	16.9	29.1	39.3	46.0	49.6	49.6	46.0	39.3	29.1	16.9	6.9	1.5				
40	1.1	3.6	13.8	28.8	42.1	71.2	112.3	134.9	134.9	112.3	71.2	42.1	28.8	13.8	3.6	1.1			
30		6.3	20.5	36.4	86.1	147.3	162.7	163.0	163.0	162.7	147.3	86.1	36.4	20.5	6.3				
20	2.4	8.8	25.1	56.2	133.3	147.6	162.1	281.1	281.1	162.1	147.6	133.3	56.2	25.1	8.8	2.4			
10		10.6	27.5	83.4	137.9	152.3	890.9	3326.7	3326.7	890.9	152.3	137.9	83.4	27.5	10.6				
0	3.0	11.6	28.7	96.8	133.8	258.6	3246.1	12774.6	12774.6	3246.1	258.6	133.8	96.8	28.7	11.6	3.0			
-10		11.6	28.7	96.8	133.8	258.6	3246.1	12774.6	12774.6	3246.1	258.6	133.8	96.8	28.7	11.6				
-20	2.4	10.6	27.5	83.4	137.9	152.3	890.9	3326.7	3326.7	890.9	152.3	137.9	83.4	27.5	10.6	2.4			
-30		8.8	25.1	56.2	133.3	147.6	162.1	281.1	281.1	162.1	147.6	133.3	56.2	25.1	8.8				
-40	1.1	6.3	20.5	36.4	86.1	147.3	162.7	163.0	163.0	162.7	147.3	86.1	36.4	20.5	6.3	1.1			
-50		3.6	13.8	28.8	42.1	71.2	112.3	134.9	134.9	112.3	71.2	42.1	28.8	13.8	3.6				
-60	0.4	1.5	6.9	16.9	29.1	39.3	46.0	49.6	49.6	46.0	39.3	29.1	16.9	6.9	1.5	0.4			
-70		0.5	1.9	5.8	11.7	18.2	23.6	26.5	26.5	23.6	18.2	11.7	5.8	1.9	0.5				
-80	0.1	0.9		3.2		8.1		10.7		8.1		3.2		0.9		0.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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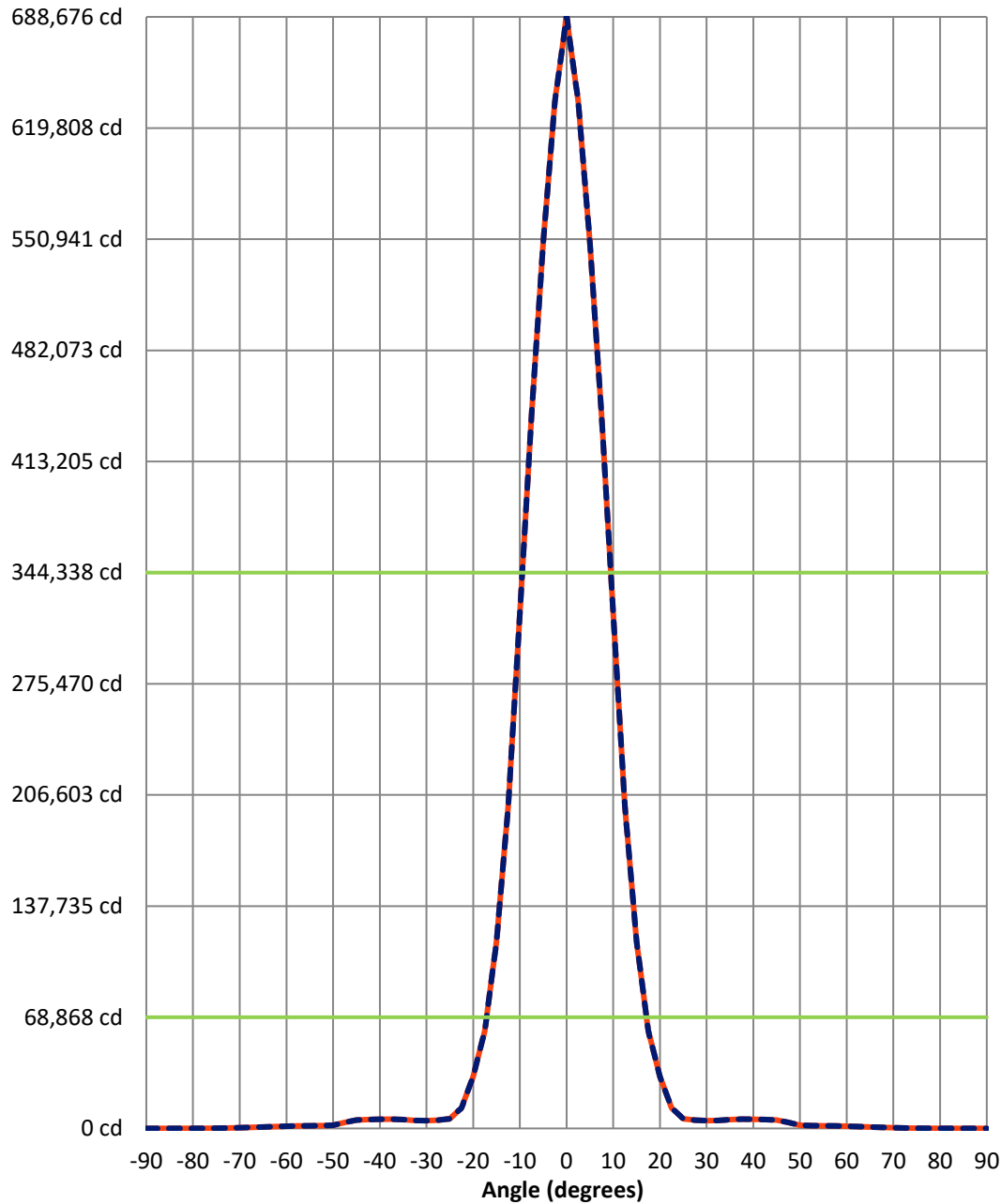
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19°
 V Angle: 19°
 Lumens: 40210
 Efficiency: 43.1%

Field:
 H Angle: 34.3°
 V Angle: 34.3°
 Lumens: 74075.6
 Efficiency: 79.4%

Spill:
 Lumens: 19216.2
 Efficiency: 20.6%

— 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
85°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.0	5.6
82.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.7	7.3	7.9
80°	0.0	1.1	2.3	3.4	4.6	5.7	6.7	7.6	8.4	9.2	9.9
77.5°	0.0	1.4	2.9	4.3	5.7	7.0	8.0	9.0	10.0	11.0	12.5
75°	0.0	1.7	3.4	5.1	6.7	8.0	9.2	10.4	11.8	14.2	16.6
72.5°	0.0	2.0	4.0	5.9	7.6	9.0	10.4	12.2	15.1	17.9	20.6
70°	0.0	2.3	4.5	6.7	8.4	10.0	11.8	15.1	18.3	21.5	25.2
67.5°	0.0	2.5	5.0	7.3	9.2	11.0	14.2	17.9	21.5	25.7	29.8
65°	0.0	2.8	5.6	7.9	9.9	12.5	16.6	20.6	25.2	29.8	35.3
62.5°	0.0	3.0	6.1	8.5	10.7	14.4	18.9	23.6	28.8	34.4	42.9
60°	0.0	3.3	6.6	9.0	11.5	16.3	21.1	26.7	32.3	41.2	50.4
57.5°	0.0	3.5	7.0	9.6	12.9	18.1	23.7	29.7	37.7	47.8	69.3
55°	0.0	3.8	7.3	10.1	14.3	19.9	26.2	32.7	43.4	57.5	93.1
52.5°	0.0	4.0	7.7	10.6	15.7	21.7	28.7	37.3	49.0	78.4	116.3
50°	0.0	4.2	8.0	11.1	17.1	23.7	31.0	42.1	58.1	98.7	160.0
47.5°	0.0	4.5	8.3	11.7	18.4	25.6	33.6	46.6	75.5	118.3	204.7
45°	0.0	4.7	8.6	12.7	19.6	27.4	37.3	51.0	92.2	156.6	247.9
42.5°	0.0	4.9	8.9	13.6	20.8	29.2	40.9	60.9	108.3	193.8	301.9
40°	0.0	5.1	9.2	14.4	22.1	30.9	44.4	74.4	128.9	229.5	355.7
37.5°	0.0	5.2	9.5	15.2	23.3	32.5	47.6	87.1	159.0	266.7	407.0
35°	0.0	5.4	9.7	16.0	24.5	34.7	50.7	99.2	187.4	310.3	457.5
32.5°	0.0	5.6	10.0	16.7	25.7	37.1	55.7	110.6	214.3	351.3	507.9
30°	0.0	5.7	10.2	17.4	26.7	39.4	64.7	123.8	239.4	389.8	555.2
27.5°	0.0	5.9	10.4	18.0	27.7	41.5	73.2	144.1	265.7	425.5	599.3
25°	0.0	6.0	10.6	18.6	28.6	43.4	80.9	162.8	294.8	460.6	640.2
22.5°	0.0	6.1	10.8	19.1	29.4	45.2	88.0	179.8	321.4	493.7	685.0
20°	0.0	6.2	10.9	19.6	30.2	46.7	94.3	195.2	345.3	523.6	725.4
17.5°	0.0	6.3	11.0	20.0	30.8	48.1	100.0	208.9	366.6	550.1	761.3
15°	0.0	6.4	11.2	20.4	31.4	49.4	104.9	220.7	385.1	573.3	792.7
12.5°	0.0	6.4	11.3	20.7	31.9	50.4	109.1	230.9	400.9	593.0	819.4
10°	0.0	6.5	11.4	20.9	32.3	51.3	112.6	239.2	413.8	609.2	841.3
7.5°	0.0	6.5	11.4	21.1	32.6	51.9	115.2	245.6	423.9	621.9	858.5
5°	0.0	6.6	11.5	21.3	32.8	52.4	117.2	250.3	431.2	630.9	870.7
2.5°	0.0	6.6	11.5	21.4	33.0	52.7	118.3	253.1	435.5	636.4	878.1
0°	0.0	6.6	11.5	21.4	33.0	52.7	118.3	253.1	435.5	636.4	878.1
-2.5°	0.0	6.6	11.5	21.4	33.0	52.7	118.3	253.1	435.5	636.4	878.1
-5°	0.0	6.6	11.5	21.3	32.8	52.4	117.2	250.3	431.2	630.9	870.7
-7.5°	0.0	6.5	11.4	21.1	32.6	51.9	115.2	245.6	423.9	621.9	858.5
-10°	0.0	6.5	11.4	20.9	32.3	51.3	112.6	239.2	413.8	609.2	841.3
-12.5°	0.0	6.4	11.3	20.7	31.9	50.4	109.1	230.9	400.9	593.0	819.4
-15°	0.0	6.4	11.2	20.4	31.4	49.4	104.9	220.7	385.1	573.3	792.7
-17.5°	0.0	6.3	11.0	20.0	30.8	48.1	100.0	208.9	366.6	550.1	761.3
-20°	0.0	6.2	10.9	19.6	30.2	46.7	94.3	195.2	345.3	523.6	725.4



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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°	0.0	6.1	10.8	19.1	29.4	45.2	88.0	179.8	321.4	493.7	685.0
-25°	0.0	6.0	10.6	18.6	28.6	43.4	80.9	162.8	294.8	460.6	640.2
-27.5°	0.0	5.9	10.4	18.0	27.7	41.5	73.2	144.1	265.7	425.5	599.3
-30°	0.0	5.7	10.2	17.4	26.7	39.4	64.7	123.8	239.4	389.8	555.2
-32.5°	0.0	5.6	10.0	16.7	25.7	37.1	55.7	110.6	214.3	351.3	507.9
-35°	0.0	5.4	9.7	16.0	24.5	34.7	50.7	99.2	187.4	310.3	457.5
-37.5°	0.0	5.2	9.5	15.2	23.3	32.5	47.6	87.1	159.0	266.7	407.0
-40°	0.0	5.1	9.2	14.4	22.1	30.9	44.4	74.4	128.9	229.5	355.7
-42.5°	0.0	4.9	8.9	13.6	20.8	29.2	40.9	60.9	108.3	193.8	301.9
-45°	0.0	4.7	8.6	12.7	19.6	27.4	37.3	51.0	92.2	156.6	247.9
-47.5°	0.0	4.5	8.3	11.7	18.4	25.6	33.6	46.6	75.5	118.3	204.7
-50°	0.0	4.2	8.0	11.1	17.1	23.7	31.0	42.1	58.1	98.7	160.0
-52.5°	0.0	4.0	7.7	10.6	15.7	21.7	28.7	37.3	49.0	78.4	116.3
-55°	0.0	3.8	7.3	10.1	14.3	19.9	26.2	32.7	43.4	57.5	93.1
-57.5°	0.0	3.5	7.0	9.6	12.9	18.1	23.7	29.7	37.7	47.8	69.3
-60°	0.0	3.3	6.6	9.0	11.5	16.3	21.1	26.7	32.3	41.2	50.4
-62.5°	0.0	3.0	6.1	8.5	10.7	14.4	18.9	23.6	28.8	34.4	42.9
-65°	0.0	2.8	5.6	7.9	9.9	12.5	16.6	20.6	25.2	29.8	35.3
-67.5°	0.0	2.5	5.0	7.3	9.2	11.0	14.2	17.9	21.5	25.7	29.8
-70°	0.0	2.3	4.5	6.7	8.4	10.0	11.8	15.1	18.3	21.5	25.2
-72.5°	0.0	2.0	4.0	5.9	7.6	9.0	10.4	12.2	15.1	17.9	20.6
-75°	0.0	1.7	3.4	5.1	6.7	8.0	9.2	10.4	11.8	14.2	16.6
-77.5°	0.0	1.4	2.9	4.3	5.7	7.0	8.0	9.0	10.0	11.0	12.5
-80°	0.0	1.1	2.3	3.4	4.6	5.7	6.7	7.6	8.4	9.2	9.9
-82.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.7	7.3	7.9
-85°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.0	5.6
-87.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9	5.1	5.2
85°	6.1	6.6	7.0	7.3	7.7	8.0	8.3	8.6	8.9	9.2	9.5
82.5°	8.5	9.0	9.6	10.1	10.6	11.1	11.7	12.7	13.6	14.4	15.2
80°	10.7	11.5	12.9	14.3	15.7	17.1	18.4	19.6	20.8	22.1	23.3
77.5°	14.4	16.3	18.1	19.9	21.7	23.7	25.6	27.4	29.2	30.9	32.5
75°	18.9	21.1	23.7	26.2	28.7	31.0	33.6	37.3	40.9	44.4	47.6
72.5°	23.6	26.7	29.7	32.7	37.3	42.1	46.6	51.0	60.9	74.4	87.1
70°	28.8	32.3	37.7	43.4	49.0	58.1	75.5	92.2	108.3	128.9	159.0
67.5°	34.4	41.2	47.8	57.5	78.4	98.7	118.3	156.6	193.8	229.5	266.7
65°	42.9	50.4	69.3	93.1	116.3	160.0	204.7	247.9	301.9	355.7	407.0
62.5°	51.3	75.2	102.0	138.1	190.4	241.3	303.6	368.0	429.9	494.5	556.9
60°	75.2	104.9	150.3	208.9	270.2	345.3	418.2	493.7	568.3	640.2	722.6
57.5°	102.0	150.3	215.0	286.9	370.5	453.4	540.4	624.5	719.4	813.2	903.8
55°	138.1	208.9	286.9	379.0	472.1	568.6	667.2	776.6	882.3	987.4	1088.0
52.5°	190.4	270.2	370.5	472.1	578.0	690.1	811.3	930.4	1047.9	1158.9	1259.6
50°	241.3	345.3	453.4	568.6	690.1	822.9	954.6	1084.6	1204.7	1317.3	1417.5
47.5°	303.6	418.2	540.4	667.2	811.3	954.6	1096.9	1227.7	1352.2	1458.6	1559.4
45°	368.0	493.7	624.5	776.6	930.4	1084.6	1227.7	1363.9	1479.2	1574.6	1609.6
42.5°	429.9	568.3	719.4	882.3	1047.9	1204.7	1352.2	1479.2	1578.0	1616.5	1661.1
40°	494.5	640.2	813.2	987.4	1158.9	1317.3	1458.6	1574.6	1616.5	1665.9	1719.1
37.5°	556.9	722.6	903.8	1088.0	1259.6	1417.5	1559.4	1609.6	1661.1	1719.1	1878.7
35°	616.1	800.9	992.1	1180.1	1355.7	1507.6	1595.8	1646.8	1709.3	1864.1	2351.7
32.5°	678.9	874.9	1075.8	1264.4	1436.3	1575.4	1625.7	1690.0	1820.6	2153.3	3369.0
30°	742.0	946.7	1152.8	1343.8	1511.3	1601.7	1661.5	1748.9	1949.0	3065.4	4245.1
27.5°	800.9	1013.7	1220.9	1411.1	1571.5	1626.4	1697.4	1861.9	2566.5	3895.8	5025.4
25°	855.3	1075.8	1284.0	1471.1	1592.7	1655.2	1748.3	1967.3	3320.5	4580.8	5306.1
22.5°	905.9	1132.4	1341.8	1526.1	1612.2	1683.7	1838.5	2530.2	3972.3	5192.8	5448.6
20°	952.3	1180.1	1390.2	1569.7	1629.9	1709.5	1920.7	3121.2	4512.6	5314.4	5545.2
17.5°	993.7	1222.5	1430.9	1584.2	1650.2	1754.0	2062.0	3652.0	4998.9	5424.1	5616.6
15°	1029.8	1259.6	1466.5	1596.9	1668.9	1813.5	2492.8	4057.8	5237.0	5510.0	5678.6
12.5°	1060.6	1291.2	1496.8	1607.7	1684.9	1864.5	2861.9	4397.5	5313.9	5560.4	5695.7
10°	1086.0	1317.3	1521.9	1616.7	1698.0	1906.6	3167.2	4678.8	5377.8	5602.2	5709.9
7.5°	1105.7	1337.6	1541.4	1623.7	1708.3	1939.6	3406.6	4899.7	5428.0	5635.1	5721.1
5°	1119.9	1352.2	1555.4	1628.7	1715.8	1963.3	3578.8	5058.7	5464.2	5658.9	5729.3
2.5°	1128.5	1361.0	1563.9	1631.7	1720.2	1977.5	3682.5	5154.6	5486.0	5673.2	5734.2
0°	1131.3	1363.9	1566.7	1632.7	1721.7	1982.3	3717.2	5186.6	5493.3	5678.0	5735.8
-2.5°	1128.5	1361.0	1563.9	1631.7	1720.2	1977.5	3682.5	5154.6	5486.0	5673.2	5734.2
-5°	1119.9	1352.2	1555.4	1628.7	1715.8	1963.3	3578.8	5058.7	5464.2	5658.9	5729.3
-7.5°	1105.7	1337.6	1541.4	1623.7	1708.3	1939.6	3406.6	4899.7	5428.0	5635.1	5721.1
-10°	1086.0	1317.3	1521.9	1616.7	1698.0	1906.6	3167.2	4678.8	5377.8	5602.2	5709.9
-12.5°	1060.6	1291.2	1496.8	1607.7	1684.9	1864.5	2861.9	4397.5	5313.9	5560.4	5695.7
-15°	1029.8	1259.6	1466.5	1596.9	1668.9	1813.5	2492.8	4057.8	5237.0	5510.0	5678.6
-17.5°	993.7	1222.5	1430.9	1584.2	1650.2	1754.0	2062.0	3652.0	4998.9	5424.1	5616.6
-20°	952.3	1180.1	1390.2	1569.7	1629.9	1709.5	1920.7	3121.2	4512.6	5314.4	5545.2



REPORT NUMBER: P701493 (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°	905.9	1132.4	1341.8	1526.1	1612.2	1683.7	1838.5	2530.2	3972.3	5192.8	5448.6
-25°	855.3	1075.8	1284.0	1471.1	1592.7	1655.2	1748.3	1967.3	3320.5	4580.8	5306.1
-27.5°	800.9	1013.7	1220.9	1411.1	1571.5	1626.4	1697.4	1861.9	2566.5	3895.8	5025.4
-30°	742.0	946.7	1152.8	1343.8	1511.3	1601.7	1661.5	1748.9	1949.0	3065.4	4245.1
-32.5°	678.9	874.9	1075.8	1264.4	1436.3	1575.4	1625.7	1690.0	1820.6	2153.3	3369.0
-35°	616.1	800.9	992.1	1180.1	1355.7	1507.6	1595.8	1646.8	1709.3	1864.1	2351.7
-37.5°	556.9	722.6	903.8	1088.0	1259.6	1417.5	1559.4	1609.6	1661.1	1719.1	1878.7
-40°	494.5	640.2	813.2	987.4	1158.9	1317.3	1458.6	1574.6	1616.5	1665.9	1719.1
-42.5°	429.9	568.3	719.4	882.3	1047.9	1204.7	1352.2	1479.2	1578.0	1616.5	1661.1
-45°	368.0	493.7	624.5	776.6	930.4	1084.6	1227.7	1363.9	1479.2	1574.6	1609.6
-47.5°	303.6	418.2	540.4	667.2	811.3	954.6	1096.9	1227.7	1352.2	1458.6	1559.4
-50°	241.3	345.3	453.4	568.6	690.1	822.9	954.6	1084.6	1204.7	1317.3	1417.5
-52.5°	190.4	270.2	370.5	472.1	578.0	690.1	811.3	930.4	1047.9	1158.9	1259.6
-55°	138.1	208.9	286.9	379.0	472.1	568.6	667.2	776.6	882.3	987.4	1088.0
-57.5°	102.0	150.3	215.0	286.9	370.5	453.4	540.4	624.5	719.4	813.2	903.8
-60°	75.2	104.9	150.3	208.9	270.2	345.3	418.2	493.7	568.3	640.2	722.6
-62.5°	51.3	75.2	102.0	138.1	190.4	241.3	303.6	368.0	429.9	494.5	556.9
-65°	42.9	50.4	69.3	93.1	116.3	160.0	204.7	247.9	301.9	355.7	407.0
-67.5°	34.4	41.2	47.8	57.5	78.4	98.7	118.3	156.6	193.8	229.5	266.7
-70°	28.8	32.3	37.7	43.4	49.0	58.1	75.5	92.2	108.3	128.9	159.0
-72.5°	23.6	26.7	29.7	32.7	37.3	42.1	46.6	51.0	60.9	74.4	87.1
-75°	18.9	21.1	23.7	26.2	28.7	31.0	33.6	37.3	40.9	44.4	47.6
-77.5°	14.4	16.3	18.1	19.9	21.7	23.7	25.6	27.4	29.2	30.9	32.5
-80°	10.7	11.5	12.9	14.3	15.7	17.1	18.4	19.6	20.8	22.1	23.3
-82.5°	8.5	9.0	9.6	10.1	10.6	11.1	11.7	12.7	13.6	14.4	15.2
-85°	6.1	6.6	7.0	7.3	7.7	8.0	8.3	8.6	8.9	9.2	9.5
-87.5°	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9	5.1	5.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5
85°	9.7	10.0	10.2	10.4	10.6	10.8	10.9	11.0	11.2	11.3	11.4
82.5°	16.0	16.7	17.4	18.0	18.6	19.1	19.6	20.0	20.4	20.7	20.9
80°	24.5	25.7	26.7	27.7	28.6	29.4	30.2	30.8	31.4	31.9	32.3
77.5°	34.7	37.1	39.4	41.5	43.4	45.2	46.7	48.1	49.4	50.4	51.3
75°	50.7	55.7	64.7	73.2	80.9	88.0	94.3	100.0	104.9	109.1	112.6
72.5°	99.2	110.6	123.8	144.1	162.8	179.8	195.2	208.9	220.7	230.9	239.2
70°	187.4	214.3	239.4	265.7	294.8	321.4	345.3	366.6	385.1	400.9	413.8
67.5°	310.3	351.3	389.8	425.5	460.6	493.7	523.6	550.1	573.3	593.0	609.2
65°	457.5	507.9	555.2	599.3	640.2	685.0	725.4	761.3	792.7	819.4	841.3
62.5°	616.1	678.9	742.0	800.9	855.3	905.9	952.3	993.7	1029.8	1060.6	1086.0
60°	800.9	874.9	946.7	1013.7	1075.8	1132.4	1180.1	1222.5	1259.6	1291.2	1317.3
57.5°	992.1	1075.8	1152.8	1220.9	1284.0	1341.8	1390.2	1430.9	1466.5	1496.8	1521.9
55°	1180.1	1264.4	1343.8	1411.1	1471.1	1526.1	1569.7	1584.2	1596.9	1607.7	1616.7
52.5°	1355.7	1436.3	1511.3	1571.5	1592.7	1612.2	1629.9	1650.2	1668.9	1684.9	1698.0
50°	1507.6	1575.4	1601.7	1626.4	1655.2	1683.7	1709.5	1754.0	1813.5	1864.5	1906.6
47.5°	1595.8	1625.7	1661.5	1697.4	1748.3	1838.5	1920.7	2062.0	2492.8	2861.9	3167.2
45°	1646.8	1690.0	1748.9	1861.9	1967.3	2530.2	3121.2	3652.0	4057.8	4397.5	4678.8
42.5°	1709.3	1820.6	1949.0	2566.5	3320.5	3972.3	4512.6	4998.9	5237.0	5313.9	5377.8
40°	1864.1	2153.3	3065.4	3895.8	4580.8	5192.8	5314.4	5424.1	5510.0	5560.4	5602.2
37.5°	2351.7	3369.0	4245.1	5025.4	5306.1	5448.6	5545.2	5616.6	5678.6	5695.7	5709.9
35°	3470.9	4421.7	5209.5	5383.1	5525.6	5617.6	5685.7	5709.8	5731.2	5670.0	5597.0
32.5°	4421.7	5228.5	5422.1	5561.7	5667.0	5705.4	5734.0	5621.7	5512.3	5374.2	5220.7
30°	5209.5	5422.1	5573.9	5682.4	5717.5	5666.1	5521.5	5320.1	5091.5	4927.2	4884.4
27.5°	5383.1	5561.7	5682.4	5721.6	5626.5	5456.6	5157.0	4924.5	4861.3	4805.8	4919.5
25°	5525.6	5667.0	5717.5	5626.5	5416.6	5073.9	4891.5	4815.8	4948.7	5096.9	5373.9
22.5°	5617.6	5705.4	5666.1	5456.6	5073.9	4880.4	4837.7	5037.8	5367.7	5800.7	7304.6
20°	5685.7	5734.0	5521.5	5157.0	4891.5	4837.7	5068.1	5537.3	6502.8	10177.6	14526.1
17.5°	5709.8	5621.7	5320.1	4924.5	4815.8	5037.8	5537.3	7205.2	11667.1	21340.2	31544.9
15°	5731.2	5512.3	5091.5	4861.3	4948.7	5367.7	6502.8	11667.1	23677.5	38619.0	55396.1
12.5°	5670.0	5374.2	4927.2	4805.8	5096.9	5800.7	10177.6	21340.2	38619.0	59470.9	94790.5
10°	5597.0	5220.7	4884.4	4919.5	5373.9	7304.6	14526.1	31544.9	55396.1	94790.5	142743.2
7.5°	5539.2	5099.0	4850.4	5011.1	5643.7	9621.1	22004.5	43644.8	77675.6	129549.7	200433.4
5°	5497.5	5010.7	4825.7	5077.9	5841.5	11328.8	27560.5	52942.5	98432.2	164635.0	259183.5
2.5°	5472.2	4957.1	4810.6	5118.5	5962.3	12376.5	30989.0	58726.8	111501.1	189931.3	303136.3
0°	5463.7	4939.2	4805.6	5132.2	6002.9	12729.8	32148.6	60692.2	115971.9	199529.7	318836.2
-2.5°	5472.2	4957.1	4810.6	5118.5	5962.3	12376.5	30989.0	58726.8	111501.1	189931.3	303136.3
-5°	5497.5	5010.7	4825.7	5077.9	5841.5	11328.8	27560.5	52942.5	98432.2	164635.0	259183.5
-7.5°	5539.2	5099.0	4850.4	5011.1	5643.7	9621.1	22004.5	43644.8	77675.6	129549.7	200433.4
-10°	5597.0	5220.7	4884.4	4919.5	5373.9	7304.6	14526.1	31544.9	55396.1	94790.5	142743.2
-12.5°	5670.0	5374.2	4927.2	4805.8	5096.9	5800.7	10177.6	21340.2	38619.0	59470.9	94790.5
-15°	5731.2	5512.3	5091.5	4861.3	4948.7	5367.7	6502.8	11667.1	23677.5	38619.0	55396.1
-17.5°	5709.8	5621.7	5320.1	4924.5	4815.8	5037.8	5537.3	7205.2	11667.1	21340.2	31544.9
-20°	5685.7	5734.0	5521.5	5157.0	4891.5	4837.7	5068.1	5537.3	6502.8	10177.6	14526.1



REPORT NUMBER: P701493 (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°	5617.6	5705.4	5666.1	5456.6	5073.9	4880.4	4837.7	5037.8	5367.7	5800.7	7304.6
-25°	5525.6	5667.0	5717.5	5626.5	5416.6	5073.9	4891.5	4815.8	4948.7	5096.9	5373.9
-27.5°	5383.1	5561.7	5682.4	5721.6	5626.5	5456.6	5157.0	4924.5	4861.3	4805.8	4919.5
-30°	5209.5	5422.1	5573.9	5682.4	5717.5	5666.1	5521.5	5320.1	5091.5	4927.2	4884.4
-32.5°	4421.7	5228.5	5422.1	5561.7	5667.0	5705.4	5734.0	5621.7	5512.3	5374.2	5220.7
-35°	3470.9	4421.7	5209.5	5383.1	5525.6	5617.6	5685.7	5709.8	5731.2	5670.0	5597.0
-37.5°	2351.7	3369.0	4245.1	5025.4	5306.1	5448.6	5545.2	5616.6	5678.6	5695.7	5709.9
-40°	1864.1	2153.3	3065.4	3895.8	4580.8	5192.8	5314.4	5424.1	5510.0	5560.4	5602.2
-42.5°	1709.3	1820.6	1949.0	2566.5	3320.5	3972.3	4512.6	4998.9	5237.0	5313.9	5377.8
-45°	1646.8	1690.0	1748.9	1861.9	1967.3	2530.2	3121.2	3652.0	4057.8	4397.5	4678.8
-47.5°	1595.8	1625.7	1661.5	1697.4	1748.3	1838.5	1920.7	2062.0	2492.8	2861.9	3167.2
-50°	1507.6	1575.4	1601.7	1626.4	1655.2	1683.7	1709.5	1754.0	1813.5	1864.5	1906.6
-52.5°	1355.7	1436.3	1511.3	1571.5	1592.7	1612.2	1629.9	1650.2	1668.9	1684.9	1698.0
-55°	1180.1	1264.4	1343.8	1411.1	1471.1	1526.1	1569.7	1584.2	1596.9	1607.7	1616.7
-57.5°	992.1	1075.8	1152.8	1220.9	1284.0	1341.8	1390.2	1430.9	1466.5	1496.8	1521.9
-60°	800.9	874.9	946.7	1013.7	1075.8	1132.4	1180.1	1222.5	1259.6	1291.2	1317.3
-62.5°	616.1	678.9	742.0	800.9	855.3	905.9	952.3	993.7	1029.8	1060.6	1086.0
-65°	457.5	507.9	555.2	599.3	640.2	685.0	725.4	761.3	792.7	819.4	841.3
-67.5°	310.3	351.3	389.8	425.5	460.6	493.7	523.6	550.1	573.3	593.0	609.2
-70°	187.4	214.3	239.4	265.7	294.8	321.4	345.3	366.6	385.1	400.9	413.8
-72.5°	99.2	110.6	123.8	144.1	162.8	179.8	195.2	208.9	220.7	230.9	239.2
-75°	50.7	55.7	64.7	73.2	80.9	88.0	94.3	100.0	104.9	109.1	112.6
-77.5°	34.7	37.1	39.4	41.5	43.4	45.2	46.7	48.1	49.4	50.4	51.3
-80°	24.5	25.7	26.7	27.7	28.6	29.4	30.2	30.8	31.4	31.9	32.3
-82.5°	16.0	16.7	17.4	18.0	18.6	19.1	19.6	20.0	20.4	20.7	20.9
-85°	9.7	10.0	10.2	10.4	10.6	10.8	10.9	11.0	11.2	11.3	11.4
-87.5°	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701493 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.3
85°	11.4	11.5	11.5	11.5	11.5	11.5	11.4	11.4	11.3	11.2	11.0
82.5°	21.1	21.3	21.4	21.4	21.4	21.3	21.1	20.9	20.7	20.4	20.0
80°	32.6	32.8	33.0	33.0	33.0	32.8	32.6	32.3	31.9	31.4	30.8
77.5°	51.9	52.4	52.7	52.8	52.7	52.4	51.9	51.3	50.4	49.4	48.1
75°	115.2	117.2	118.3	118.7	118.3	117.2	115.2	112.6	109.1	104.9	100.0
72.5°	245.6	250.3	253.1	254.0	253.1	250.3	245.6	239.2	230.9	220.7	208.9
70°	423.9	431.2	435.5	437.0	435.5	431.2	423.9	413.8	400.9	385.1	366.6
67.5°	621.9	630.9	636.4	638.2	636.4	630.9	621.9	609.2	593.0	573.3	550.1
65°	858.5	870.7	878.1	880.6	878.1	870.7	858.5	841.3	819.4	792.7	761.3
62.5°	1105.7	1119.9	1128.5	1131.3	1128.5	1119.9	1105.7	1086.0	1060.6	1029.8	993.7
60°	1337.6	1352.2	1361.0	1363.9	1361.0	1352.2	1337.6	1317.3	1291.2	1259.6	1222.5
57.5°	1541.4	1555.4	1563.9	1566.7	1563.9	1555.4	1541.4	1521.9	1496.8	1466.5	1430.9
55°	1623.7	1628.7	1631.7	1632.7	1631.7	1628.7	1623.7	1616.7	1607.7	1596.9	1584.2
52.5°	1708.3	1715.8	1720.2	1721.7	1720.2	1715.8	1708.3	1698.0	1684.9	1668.9	1650.2
50°	1939.6	1963.3	1977.5	1982.3	1977.5	1963.3	1939.6	1906.6	1864.5	1813.5	1754.0
47.5°	3406.6	3578.8	3682.5	3717.2	3682.5	3578.8	3406.6	3167.2	2861.9	2492.8	2062.0
45°	4899.7	5058.7	5154.6	5186.6	5154.6	5058.7	4899.7	4678.8	4397.5	4057.8	3652.0
42.5°	5428.0	5464.2	5486.0	5493.3	5486.0	5464.2	5428.0	5377.8	5313.9	5237.0	4998.9
40°	5635.1	5658.9	5673.2	5678.0	5673.2	5658.9	5635.1	5602.2	5560.4	5510.0	5424.1
37.5°	5721.1	5729.3	5734.2	5735.8	5734.2	5729.3	5721.1	5709.9	5695.7	5678.6	5616.6
35°	5539.2	5497.5	5472.2	5463.7	5472.2	5497.5	5539.2	5597.0	5670.0	5731.2	5709.8
32.5°	5099.0	5010.7	4957.1	4939.2	4957.1	5010.7	5099.0	5220.7	5374.2	5512.3	5621.7
30°	4850.4	4825.7	4810.6	4805.6	4810.6	4825.7	4850.4	4884.4	4927.2	5091.5	5320.1
27.5°	5011.1	5077.9	5118.5	5132.2	5118.5	5077.9	5011.1	4919.5	4805.8	4861.3	4924.5
25°	5643.7	5841.5	5962.3	6002.9	5962.3	5841.5	5643.7	5373.9	5096.9	4948.7	4815.8
22.5°	9621.1	11328.8	12376.5	12729.8	12376.5	11328.8	9621.1	7304.6	5800.7	5367.7	5037.8
20°	22004.5	27560.5	30989.0	32148.6	30989.0	27560.5	22004.5	14526.1	10177.6	6502.8	5537.3
17.5°	43644.8	52942.5	58726.8	60692.2	58726.8	52942.5	43644.8	31544.9	21340.2	11667.1	7205.2
15°	77675.6	98432.2	111501.1	115971.9	111501.1	98432.2	77675.6	55396.1	38619.0	23677.5	11667.1
12.5°	129549.7	164635.0	189931.3	199529.7	189931.3	164635.0	129549.7	94790.5	59470.9	38619.0	21340.2
10°	200433.4	259183.5	303136.3	318836.2	303136.3	259183.5	200433.4	142743.2	94790.5	55396.1	31544.9
7.5°	288361.1	367323.5	422806.9	441697.5	422806.9	367323.5	288361.1	200433.4	129549.7	77675.6	43644.8
5°	367323.5	461992.4	525312.8	548736.7	525312.8	461992.4	367323.5	259183.5	164635.0	98432.2	52942.5
2.5°	422806.9	525312.8	600447.4	636073.5	600447.4	525312.8	422806.9	303136.3	189931.3	111501.1	58726.8
0°	441697.5	548736.7	636073.5	688675.8	636073.5	548736.7	441697.5	318836.2	199529.7	115971.9	60692.2
-2.5°	422806.9	525312.8	600447.4	636073.5	600447.4	525312.8	422806.9	303136.3	189931.3	111501.1	58726.8
-5°	367323.5	461992.4	525312.8	548736.7	525312.8	461992.4	367323.5	259183.5	164635.0	98432.2	52942.5
-7.5°	288361.1	367323.5	422806.9	441697.5	422806.9	367323.5	288361.1	200433.4	129549.7	77675.6	43644.8
-10°	200433.4	259183.5	303136.3	318836.2	303136.3	259183.5	200433.4	142743.2	94790.5	55396.1	31544.9
-12.5°	129549.7	164635.0	189931.3	199529.7	189931.3	164635.0	129549.7	94790.5	59470.9	38619.0	21340.2
-15°	77675.6	98432.2	111501.1	115971.9	111501.1	98432.2	77675.6	55396.1	38619.0	23677.5	11667.1
-17.5°	43644.8	52942.5	58726.8	60692.2	58726.8	52942.5	43644.8	31544.9	21340.2	11667.1	7205.2
-20°	22004.5	27560.5	30989.0	32148.6	30989.0	27560.5	22004.5	14526.1	10177.6	6502.8	5537.3



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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°	9621.1	11328.8	12376.5	12729.8	12376.5	11328.8	9621.1	7304.6	5800.7	5367.7	5037.8
-25°	5643.7	5841.5	5962.3	6002.9	5962.3	5841.5	5643.7	5373.9	5096.9	4948.7	4815.8
-27.5°	5011.1	5077.9	5118.5	5132.2	5118.5	5077.9	5011.1	4919.5	4805.8	4861.3	4924.5
-30°	4850.4	4825.7	4810.6	4805.6	4810.6	4825.7	4850.4	4884.4	4927.2	5091.5	5320.1
-32.5°	5099.0	5010.7	4957.1	4939.2	4957.1	5010.7	5099.0	5220.7	5374.2	5512.3	5621.7
-35°	5539.2	5497.5	5472.2	5463.7	5472.2	5497.5	5539.2	5597.0	5670.0	5731.2	5709.8
-37.5°	5721.1	5729.3	5734.2	5735.8	5734.2	5729.3	5721.1	5709.9	5695.7	5678.6	5616.6
-40°	5635.1	5658.9	5673.2	5678.0	5673.2	5658.9	5635.1	5602.2	5560.4	5510.0	5424.1
-42.5°	5428.0	5464.2	5486.0	5493.3	5486.0	5464.2	5428.0	5377.8	5313.9	5237.0	4998.9
-45°	4899.7	5058.7	5154.6	5186.6	5154.6	5058.7	4899.7	4678.8	4397.5	4057.8	3652.0
-47.5°	3406.6	3578.8	3682.5	3717.2	3682.5	3578.8	3406.6	3167.2	2861.9	2492.8	2062.0
-50°	1939.6	1963.3	1977.5	1982.3	1977.5	1963.3	1939.6	1906.6	1864.5	1813.5	1754.0
-52.5°	1708.3	1715.8	1720.2	1721.7	1720.2	1715.8	1708.3	1698.0	1684.9	1668.9	1650.2
-55°	1623.7	1628.7	1631.7	1632.7	1631.7	1628.7	1623.7	1616.7	1607.7	1596.9	1584.2
-57.5°	1541.4	1555.4	1563.9	1566.7	1563.9	1555.4	1541.4	1521.9	1496.8	1466.5	1430.9
-60°	1337.6	1352.2	1361.0	1363.9	1361.0	1352.2	1337.6	1317.3	1291.2	1259.6	1222.5
-62.5°	1105.7	1119.9	1128.5	1131.3	1128.5	1119.9	1105.7	1086.0	1060.6	1029.8	993.7
-65°	858.5	870.7	878.1	880.6	878.1	870.7	858.5	841.3	819.4	792.7	761.3
-67.5°	621.9	630.9	636.4	638.2	636.4	630.9	621.9	609.2	593.0	573.3	550.1
-70°	423.9	431.2	435.5	437.0	435.5	431.2	423.9	413.8	400.9	385.1	366.6
-72.5°	245.6	250.3	253.1	254.0	253.1	250.3	245.6	239.2	230.9	220.7	208.9
-75°	115.2	117.2	118.3	118.7	118.3	117.2	115.2	112.6	109.1	104.9	100.0
-77.5°	51.9	52.4	52.7	52.8	52.7	52.4	51.9	51.3	50.4	49.4	48.1
-80°	32.6	32.8	33.0	33.0	33.0	32.8	32.6	32.3	31.9	31.4	30.8
-82.5°	21.1	21.3	21.4	21.4	21.4	21.3	21.1	20.9	20.7	20.4	20.0
-85°	11.4	11.5	11.5	11.5	11.5	11.5	11.4	11.4	11.3	11.2	11.0
-87.5°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.2	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7
85°	10.9	10.8	10.6	10.4	10.2	10.0	9.7	9.5	9.2	8.9	8.6
82.5°	19.6	19.1	18.6	18.0	17.4	16.7	16.0	15.2	14.4	13.6	12.7
80°	30.2	29.4	28.6	27.7	26.7	25.7	24.5	23.3	22.1	20.8	19.6
77.5°	46.7	45.2	43.4	41.5	39.4	37.1	34.7	32.5	30.9	29.2	27.4
75°	94.3	88.0	80.9	73.2	64.7	55.7	50.7	47.6	44.4	40.9	37.3
72.5°	195.2	179.8	162.8	144.1	123.8	110.6	99.2	87.1	74.4	60.9	51.0
70°	345.3	321.4	294.8	265.7	239.4	214.3	187.4	159.0	128.9	108.3	92.2
67.5°	523.6	493.7	460.6	425.5	389.8	351.3	310.3	266.7	229.5	193.8	156.6
65°	725.4	685.0	640.2	599.3	555.2	507.9	457.5	407.0	355.7	301.9	247.9
62.5°	952.3	905.9	855.3	800.9	742.0	678.9	616.1	556.9	494.5	429.9	368.0
60°	1180.1	1132.4	1075.8	1013.7	946.7	874.9	800.9	722.6	640.2	568.3	493.7
57.5°	1390.2	1341.8	1284.0	1220.9	1152.8	1075.8	992.1	903.8	813.2	719.4	624.5
55°	1569.7	1526.1	1471.1	1411.1	1343.8	1264.4	1180.1	1088.0	987.4	882.3	776.6
52.5°	1629.9	1612.2	1592.7	1571.5	1511.3	1436.3	1355.7	1259.6	1158.9	1047.9	930.4
50°	1709.5	1683.7	1655.2	1626.4	1601.7	1575.4	1507.6	1417.5	1317.3	1204.7	1084.6
47.5°	1920.7	1838.5	1748.3	1697.4	1661.5	1625.7	1595.8	1559.4	1458.6	1352.2	1227.7
45°	3121.2	2530.2	1967.3	1861.9	1748.9	1690.0	1646.8	1609.6	1574.6	1479.2	1363.9
42.5°	4512.6	3972.3	3320.5	2566.5	1949.0	1820.6	1709.3	1661.1	1616.5	1578.0	1479.2
40°	5314.4	5192.8	4580.8	3895.8	3065.4	2153.3	1864.1	1719.1	1665.9	1616.5	1574.6
37.5°	5545.2	5448.6	5306.1	5025.4	4245.1	3369.0	2351.7	1878.7	1719.1	1661.1	1609.6
35°	5685.7	5617.6	5525.6	5383.1	5209.5	4421.7	3470.9	2351.7	1864.1	1709.3	1646.8
32.5°	5734.0	5705.4	5667.0	5561.7	5422.1	5228.5	4421.7	3369.0	2153.3	1820.6	1690.0
30°	5521.5	5666.1	5717.5	5682.4	5573.9	5422.1	5209.5	4245.1	3065.4	1949.0	1748.9
27.5°	5157.0	5456.6	5626.5	5721.6	5682.4	5561.7	5383.1	5025.4	3895.8	2566.5	1861.9
25°	4891.5	5073.9	5416.6	5626.5	5717.5	5667.0	5525.6	5306.1	4580.8	3320.5	1967.3
22.5°	4837.7	4880.4	5073.9	5456.6	5666.1	5705.4	5617.6	5448.6	5192.8	3972.3	2530.2
20°	5068.1	4837.7	4891.5	5157.0	5521.5	5734.0	5685.7	5545.2	5314.4	4512.6	3121.2
17.5°	5537.3	5037.8	4815.8	4924.5	5320.1	5621.7	5709.8	5616.6	5424.1	4998.9	3652.0
15°	6502.8	5367.7	4948.7	4861.3	5091.5	5512.3	5731.2	5678.6	5510.0	5237.0	4057.8
12.5°	10177.6	5800.7	5096.9	4805.8	4927.2	5374.2	5670.0	5695.7	5560.4	5313.9	4397.5
10°	14526.1	7304.6	5373.9	4919.5	4884.4	5220.7	5597.0	5709.9	5602.2	5377.8	4678.8
7.5°	22004.5	9621.1	5643.7	5011.1	4850.4	5099.0	5539.2	5721.1	5635.1	5428.0	4899.7
5°	27560.5	11328.8	5841.5	5077.9	4825.7	5010.7	5497.5	5729.3	5658.9	5464.2	5058.7
2.5°	30989.0	12376.5	5962.3	5118.5	4810.6	4957.1	5472.2	5734.2	5673.2	5486.0	5154.6
0°	32148.6	12729.8	6002.9	5132.2	4805.6	4939.2	5463.7	5735.8	5678.0	5493.3	5186.6
-2.5°	30989.0	12376.5	5962.3	5118.5	4810.6	4957.1	5472.2	5734.2	5673.2	5486.0	5154.6
-5°	27560.5	11328.8	5841.5	5077.9	4825.7	5010.7	5497.5	5729.3	5658.9	5464.2	5058.7
-7.5°	22004.5	9621.1	5643.7	5011.1	4850.4	5099.0	5539.2	5721.1	5635.1	5428.0	4899.7
-10°	14526.1	7304.6	5373.9	4919.5	4884.4	5220.7	5597.0	5709.9	5602.2	5377.8	4678.8
-12.5°	10177.6	5800.7	5096.9	4805.8	4927.2	5374.2	5670.0	5695.7	5560.4	5313.9	4397.5
-15°	6502.8	5367.7	4948.7	4861.3	5091.5	5512.3	5731.2	5678.6	5510.0	5237.0	4057.8
-17.5°	5537.3	5037.8	4815.8	4924.5	5320.1	5621.7	5709.8	5616.6	5424.1	4998.9	3652.0
-20°	5068.1	4837.7	4891.5	5157.0	5521.5	5734.0	5685.7	5545.2	5314.4	4512.6	3121.2



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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°	4837.7	4880.4	5073.9	5456.6	5666.1	5705.4	5617.6	5448.6	5192.8	3972.3	2530.2
-25°	4891.5	5073.9	5416.6	5626.5	5717.5	5667.0	5525.6	5306.1	4580.8	3320.5	1967.3
-27.5°	5157.0	5456.6	5626.5	5721.6	5682.4	5561.7	5383.1	5025.4	3895.8	2566.5	1861.9
-30°	5521.5	5666.1	5717.5	5682.4	5573.9	5422.1	5209.5	4245.1	3065.4	1949.0	1748.9
-32.5°	5734.0	5705.4	5667.0	5561.7	5422.1	5228.5	4421.7	3369.0	2153.3	1820.6	1690.0
-35°	5685.7	5617.6	5525.6	5383.1	5209.5	4421.7	3470.9	2351.7	1864.1	1709.3	1646.8
-37.5°	5545.2	5448.6	5306.1	5025.4	4245.1	3369.0	2351.7	1878.7	1719.1	1661.1	1609.6
-40°	5314.4	5192.8	4580.8	3895.8	3065.4	2153.3	1864.1	1719.1	1665.9	1616.5	1574.6
-42.5°	4512.6	3972.3	3320.5	2566.5	1949.0	1820.6	1709.3	1661.1	1616.5	1578.0	1479.2
-45°	3121.2	2530.2	1967.3	1861.9	1748.9	1690.0	1646.8	1609.6	1574.6	1479.2	1363.9
-47.5°	1920.7	1838.5	1748.3	1697.4	1661.5	1625.7	1595.8	1559.4	1458.6	1352.2	1227.7
-50°	1709.5	1683.7	1655.2	1626.4	1601.7	1575.4	1507.6	1417.5	1317.3	1204.7	1084.6
-52.5°	1629.9	1612.2	1592.7	1571.5	1511.3	1436.3	1355.7	1259.6	1158.9	1047.9	930.4
-55°	1569.7	1526.1	1471.1	1411.1	1343.8	1264.4	1180.1	1088.0	987.4	882.3	776.6
-57.5°	1390.2	1341.8	1284.0	1220.9	1152.8	1075.8	992.1	903.8	813.2	719.4	624.5
-60°	1180.1	1132.4	1075.8	1013.7	946.7	874.9	800.9	722.6	640.2	568.3	493.7
-62.5°	952.3	905.9	855.3	800.9	742.0	678.9	616.1	556.9	494.5	429.9	368.0
-65°	725.4	685.0	640.2	599.3	555.2	507.9	457.5	407.0	355.7	301.9	247.9
-67.5°	523.6	493.7	460.6	425.5	389.8	351.3	310.3	266.7	229.5	193.8	156.6
-70°	345.3	321.4	294.8	265.7	239.4	214.3	187.4	159.0	128.9	108.3	92.2
-72.5°	195.2	179.8	162.8	144.1	123.8	110.6	99.2	87.1	74.4	60.9	51.0
-75°	94.3	88.0	80.9	73.2	64.7	55.7	50.7	47.6	44.4	40.9	37.3
-77.5°	46.7	45.2	43.4	41.5	39.4	37.1	34.7	32.5	30.9	29.2	27.4
-80°	30.2	29.4	28.6	27.7	26.7	25.7	24.5	23.3	22.1	20.8	19.6
-82.5°	19.6	19.1	18.6	18.0	17.4	16.7	16.0	15.2	14.4	13.6	12.7
-85°	10.9	10.8	10.6	10.4	10.2	10.0	9.7	9.5	9.2	8.9	8.6
-87.5°	6.2	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-1S-HEG-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
85°	8.3	8.0	7.7	7.3	7.0	6.6	6.1	5.6	5.0	4.5	4.0
82.5°	11.7	11.1	10.6	10.1	9.6	9.0	8.5	7.9	7.3	6.7	5.9
80°	18.4	17.1	15.7	14.3	12.9	11.5	10.7	9.9	9.2	8.4	7.6
77.5°	25.6	23.7	21.7	19.9	18.1	16.3	14.4	12.5	11.0	10.0	9.0
75°	33.6	31.0	28.7	26.2	23.7	21.1	18.9	16.6	14.2	11.8	10.4
72.5°	46.6	42.1	37.3	32.7	29.7	26.7	23.6	20.6	17.9	15.1	12.2
70°	75.5	58.1	49.0	43.4	37.7	32.3	28.8	25.2	21.5	18.3	15.1
67.5°	118.3	98.7	78.4	57.5	47.8	41.2	34.4	29.8	25.7	21.5	17.9
65°	204.7	160.0	116.3	93.1	69.3	50.4	42.9	35.3	29.8	25.2	20.6
62.5°	303.6	241.3	190.4	138.1	102.0	75.2	51.3	42.9	34.4	28.8	23.6
60°	418.2	345.3	270.2	208.9	150.3	104.9	75.2	50.4	41.2	32.3	26.7
57.5°	540.4	453.4	370.5	286.9	215.0	150.3	102.0	69.3	47.8	37.7	29.7
55°	667.2	568.6	472.1	379.0	286.9	208.9	138.1	93.1	57.5	43.4	32.7
52.5°	811.3	690.1	578.0	472.1	370.5	270.2	190.4	116.3	78.4	49.0	37.3
50°	954.6	822.9	690.1	568.6	453.4	345.3	241.3	160.0	98.7	58.1	42.1
47.5°	1096.9	954.6	811.3	667.2	540.4	418.2	303.6	204.7	118.3	75.5	46.6
45°	1227.7	1084.6	930.4	776.6	624.5	493.7	368.0	247.9	156.6	92.2	51.0
42.5°	1352.2	1204.7	1047.9	882.3	719.4	568.3	429.9	301.9	193.8	108.3	60.9
40°	1458.6	1317.3	1158.9	987.4	813.2	640.2	494.5	355.7	229.5	128.9	74.4
37.5°	1559.4	1417.5	1259.6	1088.0	903.8	722.6	556.9	407.0	266.7	159.0	87.1
35°	1595.8	1507.6	1355.7	1180.1	992.1	800.9	616.1	457.5	310.3	187.4	99.2
32.5°	1625.7	1575.4	1436.3	1264.4	1075.8	874.9	678.9	507.9	351.3	214.3	110.6
30°	1661.5	1601.7	1511.3	1343.8	1152.8	946.7	742.0	555.2	389.8	239.4	123.8
27.5°	1697.4	1626.4	1571.5	1411.1	1220.9	1013.7	800.9	599.3	425.5	265.7	144.1
25°	1748.3	1655.2	1592.7	1471.1	1284.0	1075.8	855.3	640.2	460.6	294.8	162.8
22.5°	1838.5	1683.7	1612.2	1526.1	1341.8	1132.4	905.9	685.0	493.7	321.4	179.8
20°	1920.7	1709.5	1629.9	1569.7	1390.2	1180.1	952.3	725.4	523.6	345.3	195.2
17.5°	2062.0	1754.0	1650.2	1584.2	1430.9	1222.5	993.7	761.3	550.1	366.6	208.9
15°	2492.8	1813.5	1668.9	1596.9	1466.5	1259.6	1029.8	792.7	573.3	385.1	220.7
12.5°	2861.9	1864.5	1684.9	1607.7	1496.8	1291.2	1060.6	819.4	593.0	400.9	230.9
10°	3167.2	1906.6	1698.0	1616.7	1521.9	1317.3	1086.0	841.3	609.2	413.8	239.2
7.5°	3406.6	1939.6	1708.3	1623.7	1541.4	1337.6	1105.7	858.5	621.9	423.9	245.6
5°	3578.8	1963.3	1715.8	1628.7	1555.4	1352.2	1119.9	870.7	630.9	431.2	250.3
2.5°	3682.5	1977.5	1720.2	1631.7	1563.9	1361.0	1128.5	878.1	636.4	435.5	253.1
0°	3717.2	1982.3	1721.7	1632.7	1566.7	1363.9	1131.3	880.6	638.2	437.0	254.0
-2.5°	3682.5	1977.5	1720.2	1631.7	1563.9	1361.0	1128.5	878.1	636.4	435.5	253.1
-5°	3578.8	1963.3	1715.8	1628.7	1555.4	1352.2	1119.9	870.7	630.9	431.2	250.3
-7.5°	3406.6	1939.6	1708.3	1623.7	1541.4	1337.6	1105.7	858.5	621.9	423.9	245.6
-10°	3167.2	1906.6	1698.0	1616.7	1521.9	1317.3	1086.0	841.3	609.2	413.8	239.2
-12.5°	2861.9	1864.5	1684.9	1607.7	1496.8	1291.2	1060.6	819.4	593.0	400.9	230.9
-15°	2492.8	1813.5	1668.9	1596.9	1466.5	1259.6	1029.8	792.7	573.3	385.1	220.7
-17.5°	2062.0	1754.0	1650.2	1584.2	1430.9	1222.5	993.7	761.3	550.1	366.6	208.9
-20°	1920.7	1709.5	1629.9	1569.7	1390.2	1180.1	952.3	725.4	523.6	345.3	195.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1838.5	1683.7	1612.2	1526.1	1341.8	1132.4	905.9	685.0	493.7	321.4	179.8
-25°	1748.3	1655.2	1592.7	1471.1	1284.0	1075.8	855.3	640.2	460.6	294.8	162.8
-27.5°	1697.4	1626.4	1571.5	1411.1	1220.9	1013.7	800.9	599.3	425.5	265.7	144.1
-30°	1661.5	1601.7	1511.3	1343.8	1152.8	946.7	742.0	555.2	389.8	239.4	123.8
-32.5°	1625.7	1575.4	1436.3	1264.4	1075.8	874.9	678.9	507.9	351.3	214.3	110.6
-35°	1595.8	1507.6	1355.7	1180.1	992.1	800.9	616.1	457.5	310.3	187.4	99.2
-37.5°	1559.4	1417.5	1259.6	1088.0	903.8	722.6	556.9	407.0	266.7	159.0	87.1
-40°	1458.6	1317.3	1158.9	987.4	813.2	640.2	494.5	355.7	229.5	128.9	74.4
-42.5°	1352.2	1204.7	1047.9	882.3	719.4	568.3	429.9	301.9	193.8	108.3	60.9
-45°	1227.7	1084.6	930.4	776.6	624.5	493.7	368.0	247.9	156.6	92.2	51.0
-47.5°	1096.9	954.6	811.3	667.2	540.4	418.2	303.6	204.7	118.3	75.5	46.6
-50°	954.6	822.9	690.1	568.6	453.4	345.3	241.3	160.0	98.7	58.1	42.1
-52.5°	811.3	690.1	578.0	472.1	370.5	270.2	190.4	116.3	78.4	49.0	37.3
-55°	667.2	568.6	472.1	379.0	286.9	208.9	138.1	93.1	57.5	43.4	32.7
-57.5°	540.4	453.4	370.5	286.9	215.0	150.3	102.0	69.3	47.8	37.7	29.7
-60°	418.2	345.3	270.2	208.9	150.3	104.9	75.2	50.4	41.2	32.3	26.7
-62.5°	303.6	241.3	190.4	138.1	102.0	75.2	51.3	42.9	34.4	28.8	23.6
-65°	204.7	160.0	116.3	93.1	69.3	50.4	42.9	35.3	29.8	25.2	20.6
-67.5°	118.3	98.7	78.4	57.5	47.8	41.2	34.4	29.8	25.7	21.5	17.9
-70°	75.5	58.1	49.0	43.4	37.7	32.3	28.8	25.2	21.5	18.3	15.1
-72.5°	46.6	42.1	37.3	32.7	29.7	26.7	23.6	20.6	17.9	15.1	12.2
-75°	33.6	31.0	28.7	26.2	23.7	21.1	18.9	16.6	14.2	11.8	10.4
-77.5°	25.6	23.7	21.7	19.9	18.1	16.3	14.4	12.5	11.0	10.0	9.0
-80°	18.4	17.1	15.7	14.3	12.9	11.5	10.7	9.9	9.2	8.4	7.6
-82.5°	11.7	11.1	10.6	10.1	9.6	9.0	8.5	7.9	7.3	6.7	5.9
-85°	8.3	8.0	7.7	7.3	7.0	6.6	6.1	5.6	5.0	4.5	4.0
-87.5°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
85°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
82.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
80°	6.7	5.7	4.6	3.4	2.3	1.1	0.0
77.5°	8.0	7.0	5.7	4.3	2.9	1.4	0.0
75°	9.2	8.0	6.7	5.1	3.4	1.7	0.0
72.5°	10.4	9.0	7.6	5.9	4.0	2.0	0.0
70°	11.8	10.0	8.4	6.7	4.5	2.3	0.0
67.5°	14.2	11.0	9.2	7.3	5.0	2.5	0.0
65°	16.6	12.5	9.9	7.9	5.6	2.8	0.0
62.5°	18.9	14.4	10.7	8.5	6.1	3.0	0.0
60°	21.1	16.3	11.5	9.0	6.6	3.3	0.0
57.5°	23.7	18.1	12.9	9.6	7.0	3.5	0.0
55°	26.2	19.9	14.3	10.1	7.3	3.8	0.0
52.5°	28.7	21.7	15.7	10.6	7.7	4.0	0.0
50°	31.0	23.7	17.1	11.1	8.0	4.2	0.0
47.5°	33.6	25.6	18.4	11.7	8.3	4.5	0.0
45°	37.3	27.4	19.6	12.7	8.6	4.7	0.0
42.5°	40.9	29.2	20.8	13.6	8.9	4.9	0.0
40°	44.4	30.9	22.1	14.4	9.2	5.1	0.0
37.5°	47.6	32.5	23.3	15.2	9.5	5.2	0.0
35°	50.7	34.7	24.5	16.0	9.7	5.4	0.0
32.5°	55.7	37.1	25.7	16.7	10.0	5.6	0.0
30°	64.7	39.4	26.7	17.4	10.2	5.7	0.0
27.5°	73.2	41.5	27.7	18.0	10.4	5.9	0.0
25°	80.9	43.4	28.6	18.6	10.6	6.0	0.0
22.5°	88.0	45.2	29.4	19.1	10.8	6.1	0.0
20°	94.3	46.7	30.2	19.6	10.9	6.2	0.0
17.5°	100.0	48.1	30.8	20.0	11.0	6.3	0.0
15°	104.9	49.4	31.4	20.4	11.2	6.4	0.0
12.5°	109.1	50.4	31.9	20.7	11.3	6.4	0.0
10°	112.6	51.3	32.3	20.9	11.4	6.5	0.0
7.5°	115.2	51.9	32.6	21.1	11.4	6.5	0.0
5°	117.2	52.4	32.8	21.3	11.5	6.6	0.0
2.5°	118.3	52.7	33.0	21.4	11.5	6.6	0.0
0°	118.7	52.8	33.0	21.4	11.5	6.6	0.0
-2.5°	118.3	52.7	33.0	21.4	11.5	6.6	0.0
-5°	117.2	52.4	32.8	21.3	11.5	6.6	0.0
-7.5°	115.2	51.9	32.6	21.1	11.4	6.5	0.0
-10°	112.6	51.3	32.3	20.9	11.4	6.5	0.0
-12.5°	109.1	50.4	31.9	20.7	11.3	6.4	0.0
-15°	104.9	49.4	31.4	20.4	11.2	6.4	0.0
-17.5°	100.0	48.1	30.8	20.0	11.0	6.3	0.0
-20°	94.3	46.7	30.2	19.6	10.9	6.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	88.0	45.2	29.4	19.1	10.8	6.1	0.0
-25°	80.9	43.4	28.6	18.6	10.6	6.0	0.0
-27.5°	73.2	41.5	27.7	18.0	10.4	5.9	0.0
-30°	64.7	39.4	26.7	17.4	10.2	5.7	0.0
-32.5°	55.7	37.1	25.7	16.7	10.0	5.6	0.0
-35°	50.7	34.7	24.5	16.0	9.7	5.4	0.0
-37.5°	47.6	32.5	23.3	15.2	9.5	5.2	0.0
-40°	44.4	30.9	22.1	14.4	9.2	5.1	0.0
-42.5°	40.9	29.2	20.8	13.6	8.9	4.9	0.0
-45°	37.3	27.4	19.6	12.7	8.6	4.7	0.0
-47.5°	33.6	25.6	18.4	11.7	8.3	4.5	0.0
-50°	31.0	23.7	17.1	11.1	8.0	4.2	0.0
-52.5°	28.7	21.7	15.7	10.6	7.7	4.0	0.0
-55°	26.2	19.9	14.3	10.1	7.3	3.8	0.0
-57.5°	23.7	18.1	12.9	9.6	7.0	3.5	0.0
-60°	21.1	16.3	11.5	9.0	6.6	3.3	0.0
-62.5°	18.9	14.4	10.7	8.5	6.1	3.0	0.0
-65°	16.6	12.5	9.9	7.9	5.6	2.8	0.0
-67.5°	14.2	11.0	9.2	7.3	5.0	2.5	0.0
-70°	11.8	10.0	8.4	6.7	4.5	2.3	0.0
-72.5°	10.4	9.0	7.6	5.9	4.0	2.0	0.0
-75°	9.2	8.0	6.7	5.1	3.4	1.7	0.0
-77.5°	8.0	7.0	5.7	4.3	2.9	1.4	0.0
-80°	6.7	5.7	4.6	3.4	2.3	1.1	0.0
-82.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
-85°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
-87.5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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

