

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: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-5S-HEG-S**

Issue Date: 8/15/2023

Test Information

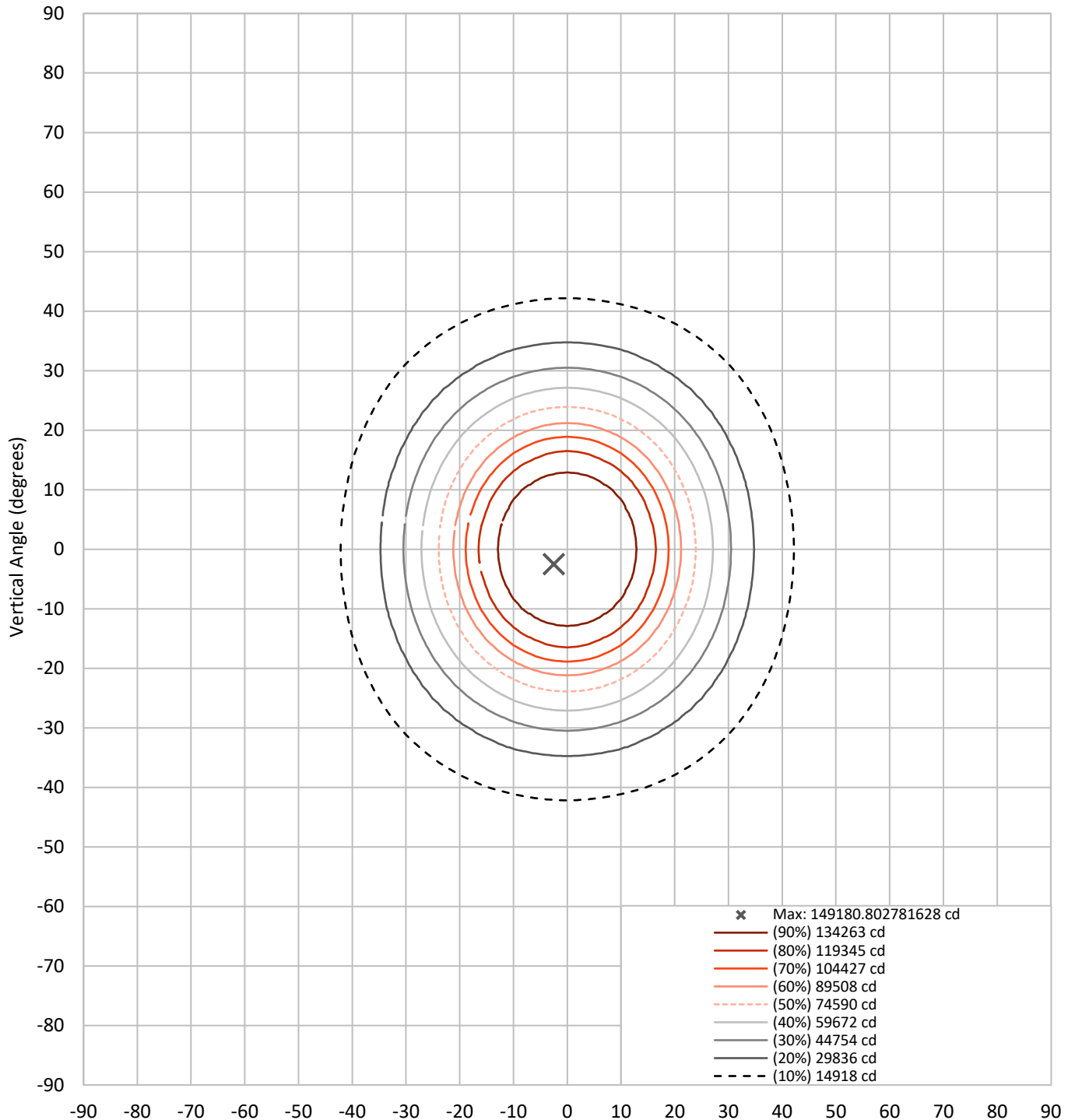
Test Method: LM-79-08
Report Number: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-5S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	109042.2 lumens	Max Intensity:	149180.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	156.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	61172.6 lumens	Field Lumens:	101600.3 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%
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





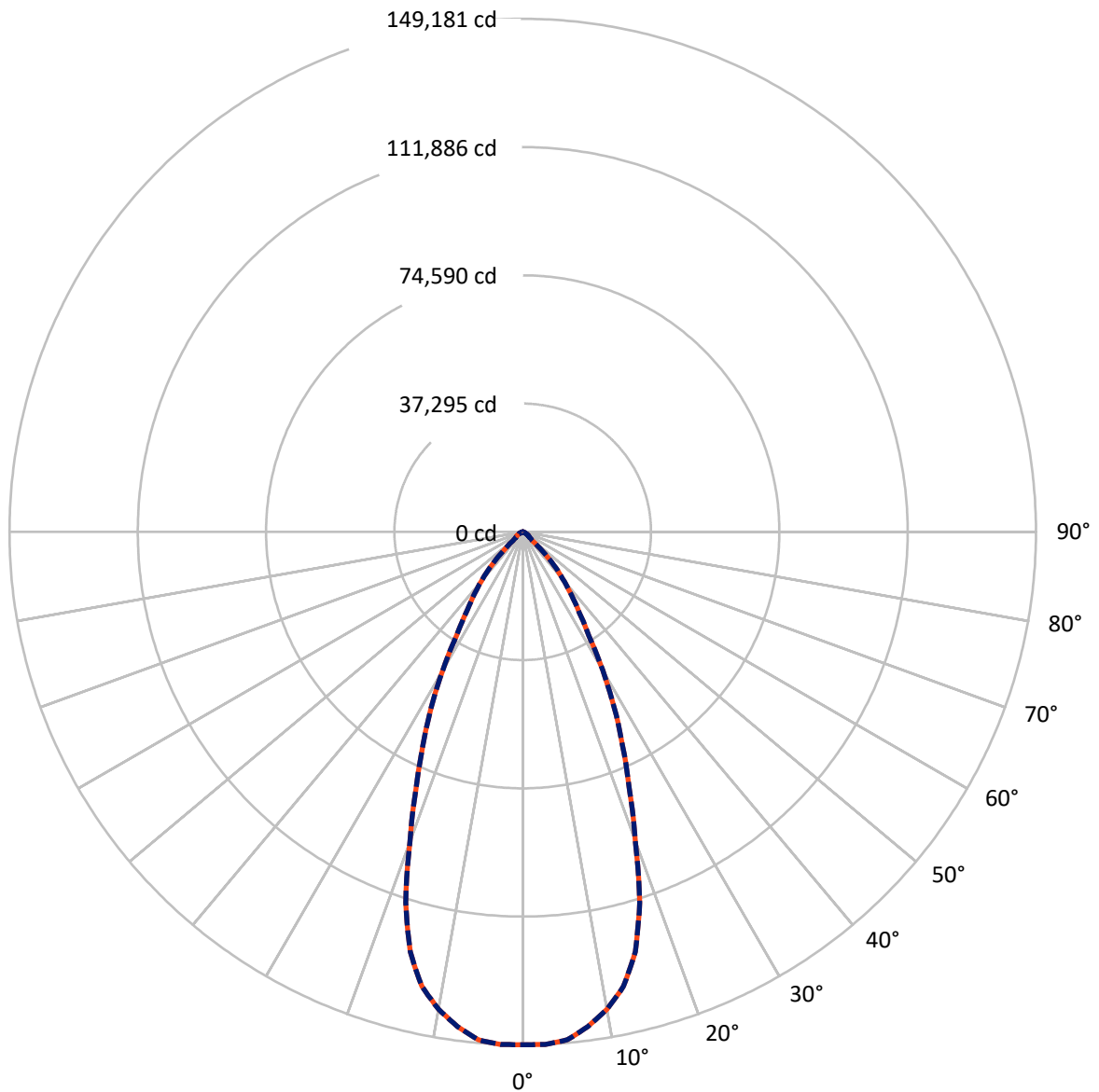
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Lumen Table

90															90				
80	0.1	1.0		3.4		7.4		9.4		7.4		3.4		1.0		0.1			
70															70				
60	0.5	0.6	1.8	4.7	9.7	15.7	21.3	24.5	24.5	21.3	15.7	9.7	4.7	1.8	0.6	0.5			
50		1.4	5.5	15.0	29.3	44.8	56.4	62.7	62.7	56.4	44.8	29.3	15.0	5.5	1.4				
40	1.1	2.9	12.3	31.2	53.8	97.0	197.6	278.2	278.2	197.6	97.0	53.8	31.2	12.3	2.9	1.1			
30		5.2	20.8	46.6	135.4	409.7	691.7	886.2	886.2	691.7	409.7	135.4	46.6	20.8	5.2				
20	2.1	7.6	28.7	76.6	372.2	846.9	1515.6	2034.2	2034.2	1515.6	846.9	372.2	76.6	28.7	7.6	2.1			
10		9.7	33.9	148.1	590.4	1426.3	2650.5	3611.1	3611.1	2650.5	1426.3	590.4	148.1	33.9	9.7				
0	2.5	10.8	36.5	202.5	734.6	1858.5	3505.9	4376.3	4376.3	3505.9	1858.5	734.6	202.5	36.5	10.8	2.5			
-10		10.8	36.5	202.5	734.6	1858.5	3505.9	4376.3	4376.3	3505.9	1858.5	734.6	202.5	36.5	10.8				
-20	2.1	9.7	33.9	148.1	590.4	1426.3	2650.5	3611.1	3611.1	2650.5	1426.3	590.4	148.1	33.9	9.7	2.1			
-30		7.6	28.7	76.6	372.2	846.9	1515.6	2034.2	2034.2	1515.6	846.9	372.2	76.6	28.7	7.6				
-40	1.1	5.2	20.8	46.6	135.4	409.7	691.7	886.2	886.2	691.7	409.7	135.4	46.6	20.8	5.2	1.1			
-50		2.9	12.3	31.2	53.8	97.0	197.6	278.2	278.2	197.6	97.0	53.8	31.2	12.3	2.9				
-60	0.5	1.4	5.5	15.0	29.3	44.8	56.4	62.7	62.7	56.4	44.8	29.3	15.0	5.5	1.4	0.5			
-70		0.6	1.8	4.7	9.7	15.7	21.3	24.5	24.5	21.3	15.7	9.7	4.7	1.8	0.6				
-80															-80				
-90	0.1	1.0		3.4		7.4		9.4		7.4		3.4		1.0		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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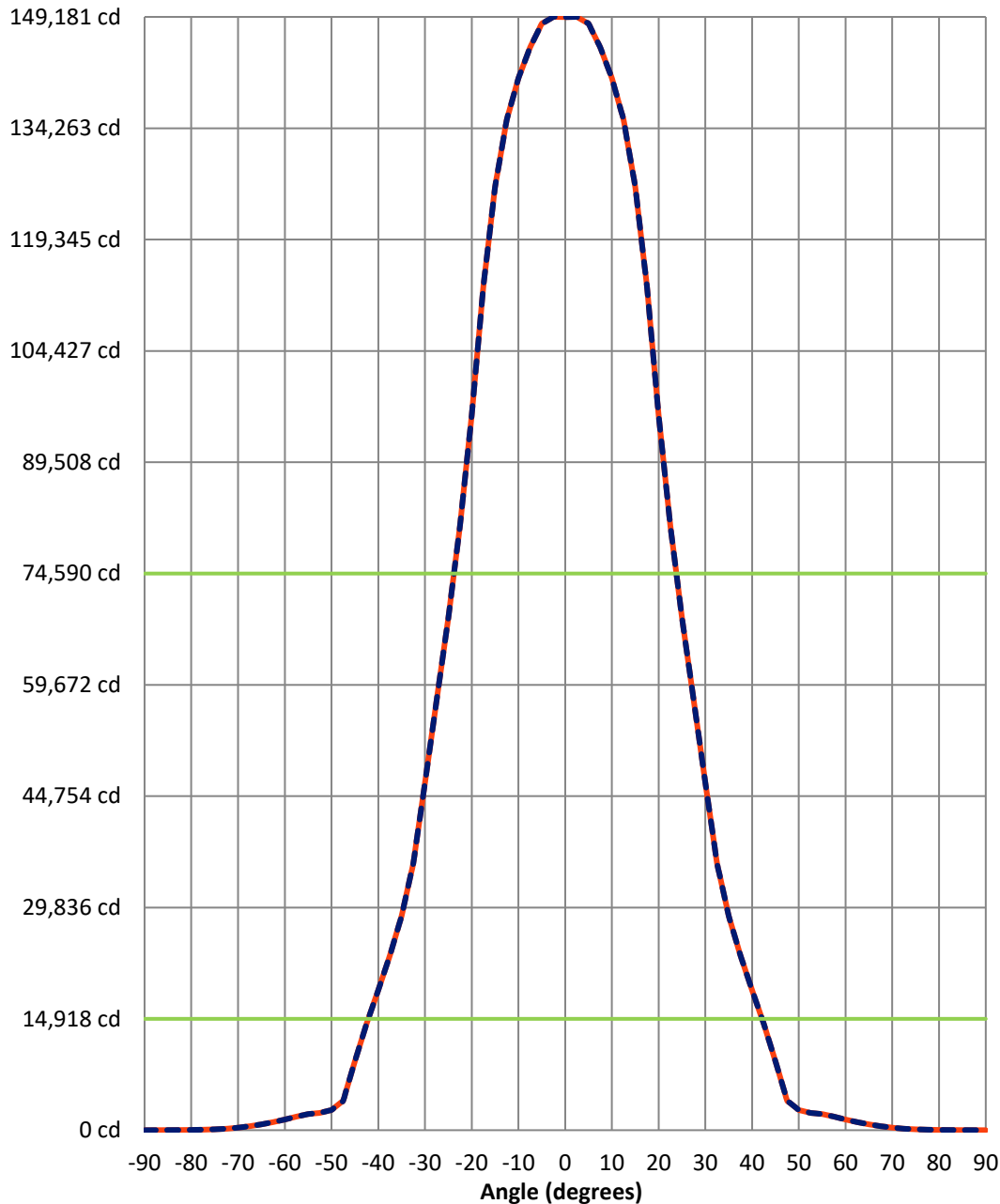
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 47.6°
 V Angle: 47.6°
 Lumens: 61172.6
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 101600.3
 Efficiency: 93.2%

Spill:
 Lumens: 7441.9
 Efficiency: 6.8%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through -2.5-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	1.2	1.6	1.9	2.2	2.5	2.8	3.0
85°	0.0	0.6	1.3	1.9	2.5	3.1	3.7	4.3	4.9	5.5	6.1
82.5°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.3	9.1
80°	0.0	1.2	2.5	3.7	5.0	6.2	7.4	8.6	9.8	11.0	12.2
77.5°	0.0	1.6	3.1	4.7	6.2	7.7	9.3	10.8	12.3	13.8	15.4
75°	0.0	1.9	3.7	5.6	7.4	9.3	11.1	12.9	14.8	17.0	19.1
72.5°	0.0	2.2	4.3	6.5	8.6	10.8	12.9	15.2	17.8	20.3	22.8
70°	0.0	2.5	4.9	7.4	9.8	12.3	14.8	17.8	20.7	23.6	27.6
67.5°	0.0	2.8	5.5	8.3	11.0	13.8	17.0	20.3	23.6	28.2	32.7
65°	0.0	3.0	6.1	9.1	12.2	15.4	19.1	22.8	27.6	32.7	39.5
62.5°	0.0	3.3	6.6	10.0	13.3	17.1	21.2	25.9	31.6	38.3	50.7
60°	0.0	3.6	7.2	10.8	14.4	18.9	23.3	29.3	35.4	48.2	61.7
57.5°	0.0	3.9	7.7	11.6	15.8	20.5	26.0	32.6	43.0	57.8	78.3
55°	0.0	4.1	8.3	12.4	17.1	22.2	28.8	35.9	51.4	69.0	97.3
52.5°	0.0	4.4	8.8	13.2	18.3	23.9	31.5	42.6	59.6	85.6	115.8
50°	0.0	4.6	9.3	14.0	19.6	26.0	34.0	49.5	69.4	101.7	140.9
47.5°	0.0	4.9	9.8	14.7	20.8	28.1	37.0	56.2	83.3	117.3	166.0
45°	0.0	5.1	10.2	15.6	21.9	30.1	42.5	62.6	96.6	139.0	190.3
42.5°	0.0	5.3	10.7	16.4	23.0	32.0	47.8	71.7	109.4	159.9	231.7
40°	0.0	5.5	11.1	17.2	24.2	33.9	52.9	82.4	123.4	179.9	274.2
37.5°	0.0	5.7	11.5	17.9	25.6	35.6	57.6	92.5	140.3	203.8	314.8
35°	0.0	5.9	11.9	18.6	26.9	38.7	62.2	102.2	156.3	238.3	358.7
32.5°	0.0	6.1	12.2	19.3	28.2	42.2	67.5	111.2	171.4	270.8	408.2
30°	0.0	6.2	12.5	19.9	29.3	45.5	74.7	120.6	185.5	301.2	454.5
27.5°	0.0	6.4	12.8	20.4	30.4	48.6	81.4	132.0	203.0	329.5	497.7
25°	0.0	6.5	13.1	21.0	31.4	51.4	87.6	142.5	226.0	361.8	538.0
22.5°	0.0	6.7	13.4	21.4	32.3	54.0	93.2	152.0	247.0	394.2	583.4
20°	0.0	6.8	13.6	21.9	33.1	56.3	98.3	160.7	266.0	423.5	624.4
17.5°	0.0	6.9	13.8	22.2	33.8	58.4	102.8	168.3	282.8	449.5	660.9
15°	0.0	7.0	14.0	22.6	34.5	60.2	106.7	175.0	297.5	472.3	692.8
12.5°	0.0	7.0	14.2	22.9	35.0	61.7	110.1	180.7	310.0	491.6	719.9
10°	0.0	7.1	14.3	23.1	35.4	63.0	112.8	185.4	320.3	507.5	742.2
7.5°	0.0	7.1	14.4	23.3	35.8	63.9	114.9	189.0	328.3	519.9	759.6
5°	0.0	7.2	14.4	23.4	36.0	64.6	116.5	191.6	334.0	528.8	772.1
2.5°	0.0	7.2	14.5	23.5	36.2	65.1	117.4	193.2	337.4	534.1	779.6
0°	0.0	7.2	14.5	23.5	36.2	65.2	117.7	193.7	338.6	535.9	782.1
-2.5°	0.0	7.2	14.5	23.5	36.2	65.2	117.7	193.7	338.6	535.9	782.1
-5°	0.0	7.2	14.4	23.4	36.0	64.6	116.5	191.6	334.0	528.8	772.1
-7.5°	0.0	7.1	14.4	23.3	35.8	63.9	114.9	189.0	328.3	519.9	759.6
-10°	0.0	7.1	14.3	23.1	35.4	63.0	112.8	185.4	320.3	507.5	742.2
-12.5°	0.0	7.0	14.2	22.9	35.0	61.7	110.1	180.7	310.0	491.6	719.9
-15°	0.0	7.0	14.0	22.6	34.5	60.2	106.7	175.0	297.5	472.3	692.8
-17.5°	0.0	6.9	13.8	22.2	33.8	58.4	102.8	168.3	282.8	449.5	660.9
-20°	0.0	6.8	13.6	21.9	33.1	56.3	98.3	160.7	266.0	423.5	624.4



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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	6.7	13.4	21.4	32.3	54.0	93.2	152.0	247.0	394.2	583.4
-25°	0.0	6.5	13.1	21.0	31.4	51.4	87.6	142.5	226.0	361.8	538.0
-27.5°	0.0	6.4	12.8	20.4	30.4	48.6	81.4	132.0	203.0	329.5	497.7
-30°	0.0	6.2	12.5	19.9	29.3	45.5	74.7	120.6	185.5	301.2	454.5
-32.5°	0.0	6.1	12.2	19.3	28.2	42.2	67.5	111.2	171.4	270.8	408.2
-35°	0.0	5.9	11.9	18.6	26.9	38.7	62.2	102.2	156.3	238.3	358.7
-37.5°	0.0	5.7	11.5	17.9	25.6	35.6	57.6	92.5	140.3	203.8	314.8
-40°	0.0	5.5	11.1	17.2	24.2	33.9	52.9	82.4	123.4	179.9	274.2
-42.5°	0.0	5.3	10.7	16.4	23.0	32.0	47.8	71.7	109.4	159.9	231.7
-45°	0.0	5.1	10.2	15.6	21.9	30.1	42.5	62.6	96.6	139.0	190.3
-47.5°	0.0	4.9	9.8	14.7	20.8	28.1	37.0	56.2	83.3	117.3	166.0
-50°	0.0	4.6	9.3	14.0	19.6	26.0	34.0	49.5	69.4	101.7	140.9
-52.5°	0.0	4.4	8.8	13.2	18.3	23.9	31.5	42.6	59.6	85.6	115.8
-55°	0.0	4.1	8.3	12.4	17.1	22.2	28.8	35.9	51.4	69.0	97.3
-57.5°	0.0	3.9	7.7	11.6	15.8	20.5	26.0	32.6	43.0	57.8	78.3
-60°	0.0	3.6	7.2	10.8	14.4	18.9	23.3	29.3	35.4	48.2	61.7
-62.5°	0.0	3.3	6.6	10.0	13.3	17.1	21.2	25.9	31.6	38.3	50.7
-65°	0.0	3.0	6.1	9.1	12.2	15.4	19.1	22.8	27.6	32.7	39.5
-67.5°	0.0	2.8	5.5	8.3	11.0	13.8	17.0	20.3	23.6	28.2	32.7
-70°	0.0	2.5	4.9	7.4	9.8	12.3	14.8	17.8	20.7	23.6	27.6
-72.5°	0.0	2.2	4.3	6.5	8.6	10.8	12.9	15.2	17.8	20.3	22.8
-75°	0.0	1.9	3.7	5.6	7.4	9.3	11.1	12.9	14.8	17.0	19.1
-77.5°	0.0	1.6	3.1	4.7	6.2	7.7	9.3	10.8	12.3	13.8	15.4
-80°	0.0	1.2	2.5	3.7	5.0	6.2	7.4	8.6	9.8	11.0	12.2
-82.5°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.3	9.1
-85°	0.0	0.6	1.3	1.9	2.5	3.1	3.7	4.3	4.9	5.5	6.1
-87.5°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.0
-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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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-HEG-S

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°	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.5	5.7
85°	6.6	7.2	7.7	8.3	8.8	9.3	9.8	10.2	10.7	11.1	11.5
82.5°	10.0	10.8	11.6	12.4	13.2	14.0	14.7	15.6	16.4	17.2	17.9
80°	13.3	14.4	15.8	17.1	18.3	19.6	20.8	21.9	23.0	24.2	25.6
77.5°	17.1	18.9	20.5	22.2	23.9	26.0	28.1	30.1	32.0	33.9	35.6
75°	21.2	23.3	26.0	28.8	31.5	34.0	37.0	42.5	47.8	52.9	57.6
72.5°	25.9	29.3	32.6	35.9	42.6	49.5	56.2	62.6	71.7	82.4	92.5
70°	31.6	35.4	43.0	51.4	59.6	69.4	83.3	96.6	109.4	123.4	140.3
67.5°	38.3	48.2	57.8	69.0	85.6	101.7	117.3	139.0	159.9	179.9	203.8
65°	50.7	61.7	78.3	97.3	115.8	140.9	166.0	190.3	231.7	274.2	314.8
62.5°	63.0	83.0	104.4	128.6	158.0	186.6	232.9	283.9	333.0	395.0	456.1
60°	83.0	106.7	135.5	168.3	206.5	266.0	323.7	394.2	467.4	538.0	621.6
57.5°	104.4	135.5	171.8	219.8	286.0	354.7	439.9	522.4	618.3	713.7	809.9
55°	128.6	168.3	219.8	292.7	373.1	467.6	565.4	676.5	784.1	910.1	1030.8
52.5°	158.0	206.5	286.0	373.1	476.9	588.7	711.7	841.8	982.7	1124.0	1274.4
50°	186.6	266.0	354.7	467.6	588.7	723.5	870.9	1026.7	1192.3	1360.6	1534.7
47.5°	232.9	323.7	439.9	565.4	711.7	870.9	1041.4	1226.8	1412.8	1614.5	1810.9
45°	283.9	394.2	522.4	676.5	841.8	1026.7	1226.8	1430.3	1654.8	1865.5	2046.1
42.5°	333.0	467.4	618.3	784.1	982.7	1192.3	1412.8	1654.8	1883.2	2081.9	2213.8
40°	395.0	538.0	713.7	910.1	1124.0	1360.6	1614.5	1865.5	2081.9	2222.0	2312.9
37.5°	456.1	621.6	809.9	1030.8	1274.4	1534.7	1810.9	2046.1	2213.8	2312.9	2555.3
35°	514.2	701.2	915.8	1155.6	1418.1	1710.1	1974.9	2189.4	2296.3	2533.1	2982.4
32.5°	577.2	776.4	1016.1	1281.6	1571.2	1869.7	2129.3	2263.3	2467.2	2837.2	3726.6
30°	641.4	861.3	1114.8	1400.3	1717.1	2005.5	2214.5	2358.6	2661.6	3504.5	5906.6
27.5°	701.2	941.7	1216.6	1522.2	1849.8	2132.8	2275.8	2529.7	3139.5	4632.5	8752.2
25°	756.4	1016.1	1310.8	1638.9	1959.1	2203.7	2357.7	2689.3	3691.1	7130.8	11300.2
22.5°	812.4	1084.4	1397.2	1746.0	2059.6	2252.4	2494.4	3112.9	4911.6	9442.4	13637.8
20°	868.1	1155.6	1481.5	1840.6	2150.8	2296.6	2618.7	3545.3	6882.2	11437.0	15636.9
17.5°	917.7	1219.0	1560.7	1915.3	2195.2	2366.3	2770.4	3933.6	8655.6	13236.3	17375.3
15°	961.1	1274.4	1630.0	1980.7	2227.1	2456.5	3085.6	5223.6	10166.5	14779.4	18918.6
12.5°	998.0	1321.7	1689.0	2036.6	2254.4	2533.6	3355.6	6462.4	11429.4	16005.7	20304.5
10°	1028.3	1360.6	1737.7	2082.6	2276.9	2597.4	3578.9	7488.3	12476.8	17024.5	21458.6
7.5°	1052.1	1391.0	1775.8	2118.7	2294.6	2647.4	3754.1	8294.0	13300.5	17827.1	22369.4
5°	1069.1	1412.8	1803.1	2144.5	2307.2	2683.3	3880.0	8873.8	13893.9	18406.0	23027.3
2.5°	1079.3	1425.9	1819.5	2160.1	2314.9	2704.9	3955.9	9223.5	14252.0	18755.6	23425.0
0°	1082.7	1430.3	1825.0	2165.3	2317.4	2712.1	3981.3	9340.3	14371.7	18872.5	23558.1
-2.5°	1079.3	1425.9	1819.5	2160.1	2314.9	2704.9	3955.9	9223.5	14252.0	18755.6	23425.0
-5°	1069.1	1412.8	1803.1	2144.5	2307.2	2683.3	3880.0	8873.8	13893.9	18406.0	23027.3
-7.5°	1052.1	1391.0	1775.8	2118.7	2294.6	2647.4	3754.1	8294.0	13300.5	17827.1	22369.4
-10°	1028.3	1360.6	1737.7	2082.6	2276.9	2597.4	3578.9	7488.3	12476.8	17024.5	21458.6
-12.5°	998.0	1321.7	1689.0	2036.6	2254.4	2533.6	3355.6	6462.4	11429.4	16005.7	20304.5
-15°	961.1	1274.4	1630.0	1980.7	2227.1	2456.5	3085.6	5223.6	10166.5	14779.4	18918.6
-17.5°	917.7	1219.0	1560.7	1915.3	2195.2	2366.3	2770.4	3933.6	8655.6	13236.3	17375.3
-20°	868.1	1155.6	1481.5	1840.6	2150.8	2296.6	2618.7	3545.3	6882.2	11437.0	15636.9



REPORT NUMBER: P701491 (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°	812.4	1084.4	1397.2	1746.0	2059.6	2252.4	2494.4	3112.9	4911.6	9442.4	13637.8
-25°	756.4	1016.1	1310.8	1638.9	1959.1	2203.7	2357.7	2689.3	3691.1	7130.8	11300.2
-27.5°	701.2	941.7	1216.6	1522.2	1849.8	2132.8	2275.8	2529.7	3139.5	4632.5	8752.2
-30°	641.4	861.3	1114.8	1400.3	1717.1	2005.5	2214.5	2358.6	2661.6	3504.5	5906.6
-32.5°	577.2	776.4	1016.1	1281.6	1571.2	1869.7	2129.3	2263.3	2467.2	2837.2	3726.6
-35°	514.2	701.2	915.8	1155.6	1418.1	1710.1	1974.9	2189.4	2296.3	2533.1	2982.4
-37.5°	456.1	621.6	809.9	1030.8	1274.4	1534.7	1810.9	2046.1	2213.8	2312.9	2555.3
-40°	395.0	538.0	713.7	910.1	1124.0	1360.6	1614.5	1865.5	2081.9	2222.0	2312.9
-42.5°	333.0	467.4	618.3	784.1	982.7	1192.3	1412.8	1654.8	1883.2	2081.9	2213.8
-45°	283.9	394.2	522.4	676.5	841.8	1026.7	1226.8	1430.3	1654.8	1865.5	2046.1
-47.5°	232.9	323.7	439.9	565.4	711.7	870.9	1041.4	1226.8	1412.8	1614.5	1810.9
-50°	186.6	266.0	354.7	467.6	588.7	723.5	870.9	1026.7	1192.3	1360.6	1534.7
-52.5°	158.0	206.5	286.0	373.1	476.9	588.7	711.7	841.8	982.7	1124.0	1274.4
-55°	128.6	168.3	219.8	292.7	373.1	467.6	565.4	676.5	784.1	910.1	1030.8
-57.5°	104.4	135.5	171.8	219.8	286.0	354.7	439.9	522.4	618.3	713.7	809.9
-60°	83.0	106.7	135.5	168.3	206.5	266.0	323.7	394.2	467.4	538.0	621.6
-62.5°	63.0	83.0	104.4	128.6	158.0	186.6	232.9	283.9	333.0	395.0	456.1
-65°	50.7	61.7	78.3	97.3	115.8	140.9	166.0	190.3	231.7	274.2	314.8
-67.5°	38.3	48.2	57.8	69.0	85.6	101.7	117.3	139.0	159.9	179.9	203.8
-70°	31.6	35.4	43.0	51.4	59.6	69.4	83.3	96.6	109.4	123.4	140.3
-72.5°	25.9	29.3	32.6	35.9	42.6	49.5	56.2	62.6	71.7	82.4	92.5
-75°	21.2	23.3	26.0	28.8	31.5	34.0	37.0	42.5	47.8	52.9	57.6
-77.5°	17.1	18.9	20.5	22.2	23.9	26.0	28.1	30.1	32.0	33.9	35.6
-80°	13.3	14.4	15.8	17.1	18.3	19.6	20.8	21.9	23.0	24.2	25.6
-82.5°	10.0	10.8	11.6	12.4	13.2	14.0	14.7	15.6	16.4	17.2	17.9
-85°	6.6	7.2	7.7	8.3	8.8	9.3	9.8	10.2	10.7	11.1	11.5
-87.5°	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.5	5.7
-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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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°	5.9	6.1	6.2	6.4	6.5	6.7	6.8	6.9	7.0	7.0	7.1
85°	11.9	12.2	12.5	12.8	13.1	13.4	13.6	13.8	14.0	14.2	14.3
82.5°	18.6	19.3	19.9	20.4	21.0	21.4	21.9	22.2	22.6	22.9	23.1
80°	26.9	28.2	29.3	30.4	31.4	32.3	33.1	33.8	34.5	35.0	35.4
77.5°	38.7	42.2	45.5	48.6	51.4	54.0	56.3	58.4	60.2	61.7	63.0
75°	62.2	67.5	74.7	81.4	87.6	93.2	98.3	102.8	106.7	110.1	112.8
72.5°	102.2	111.2	120.6	132.0	142.5	152.0	160.7	168.3	175.0	180.7	185.4
70°	156.3	171.4	185.5	203.0	226.0	247.0	266.0	282.8	297.5	310.0	320.3
67.5°	238.3	270.8	301.2	329.5	361.8	394.2	423.5	449.5	472.3	491.6	507.5
65°	358.7	408.2	454.5	497.7	538.0	583.4	624.4	660.9	692.8	719.9	742.2
62.5°	514.2	577.2	641.4	701.2	756.4	812.4	868.1	917.7	961.1	998.0	1028.3
60°	701.2	776.4	861.3	941.7	1016.1	1084.4	1155.6	1219.0	1274.4	1321.7	1360.6
57.5°	915.8	1016.1	1114.8	1216.6	1310.8	1397.2	1481.5	1560.7	1630.0	1689.0	1737.7
55°	1155.6	1281.6	1400.3	1522.2	1638.9	1746.0	1840.6	1915.3	1980.7	2036.6	2082.6
52.5°	1418.1	1571.2	1717.1	1849.8	1959.1	2059.6	2150.8	2195.2	2227.1	2254.4	2276.9
50°	1710.1	1869.7	2005.5	2132.8	2203.7	2252.4	2296.6	2366.3	2456.5	2533.6	2597.4
47.5°	1974.9	2129.3	2214.5	2275.8	2357.7	2494.4	2618.7	2770.4	3085.6	3355.6	3578.9
45°	2189.4	2263.3	2358.6	2529.7	2689.3	3112.9	3545.3	3933.6	5223.6	6462.4	7488.3
42.5°	2296.3	2467.2	2661.6	3139.5	3691.1	4911.6	6882.2	8655.6	10166.5	11429.4	12476.8
40°	2533.1	2837.2	3504.5	4632.5	7130.8	9442.4	11437.0	13236.3	14779.4	16005.7	17024.5
37.5°	2982.4	3726.6	5906.6	8752.2	11300.2	13637.8	15636.9	17375.3	18918.6	20304.5	21458.6
35°	3801.1	6550.8	9715.9	12564.1	15157.7	17401.1	19493.9	21448.0	23186.2	24844.0	26270.0
32.5°	6550.8	10027.6	13204.0	16038.5	18604.6	21096.6	23412.8	25786.8	27923.5	30089.3	32174.3
30°	9715.9	13204.0	16334.7	19229.0	22077.6	24918.8	27743.9	30823.5	33929.3	36984.0	40485.4
27.5°	12564.1	16038.5	19229.0	22408.0	25694.2	28970.3	33039.4	37200.3	42379.4	46922.2	50833.4
25°	15157.7	18604.6	22077.6	25694.2	29513.6	34168.8	39901.5	46109.9	51830.0	56891.9	61168.3
22.5°	17401.1	21096.6	24918.8	28970.3	34168.8	40814.8	48039.3	54874.1	61089.7	66591.9	71584.7
20°	19493.9	23412.8	27743.9	33039.4	39901.5	48039.3	55906.6	63244.1	70091.6	76934.9	83076.7
17.5°	21448.0	25786.8	30823.5	37200.3	46109.9	54874.1	63244.1	71399.6	79708.6	88346.6	96238.7
15°	23186.2	27923.5	33929.3	42379.4	51830.0	61089.7	70091.6	79708.6	90154.2	100690.2	111022.0
12.5°	24844.0	30089.3	36984.0	46922.2	56891.9	66591.9	76934.9	88346.6	100690.2	113531.4	122409.1
10°	26270.0	32174.3	40485.4	50833.4	61168.3	71584.7	83076.7	96238.7	111022.0	122409.1	130947.7
7.5°	27398.0	33827.9	43272.0	53959.7	64596.5	75898.4	88860.3	103785.2	118330.6	129227.2	136129.0
5°	28214.2	35027.3	45298.5	56241.0	67109.3	79078.6	93157.2	109511.0	123276.9	133193.3	139272.6
2.5°	28708.3	35754.4	46529.5	57630.2	68644.3	81029.6	95808.7	113073.2	126391.2	135390.6	140961.1
0°	28873.7	35998.0	46942.4	58096.8	69160.7	81687.5	96705.5	114283.5	127456.6	136065.5	141538.6
-2.5°	28708.3	35754.4	46529.5	57630.2	68644.3	81029.6	95808.7	113073.2	126391.2	135390.6	140961.1
-5°	28214.2	35027.3	45298.5	56241.0	67109.3	79078.6	93157.2	109511.0	123276.9	133193.3	139272.6
-7.5°	27398.0	33827.9	43272.0	53959.7	64596.5	75898.4	88860.3	103785.2	118330.6	129227.2	136129.0
-10°	26270.0	32174.3	40485.4	50833.4	61168.3	71584.7	83076.7	96238.7	111022.0	122409.1	130947.7
-12.5°	24844.0	30089.3	36984.0	46922.2	56891.9	66591.9	76934.9	88346.6	100690.2	113531.4	122409.1
-15°	23186.2	27923.5	33929.3	42379.4	51830.0	61089.7	70091.6	79708.6	90154.2	100690.2	111022.0
-17.5°	21448.0	25786.8	30823.5	37200.3	46109.9	54874.1	63244.1	71399.6	79708.6	88346.6	96238.7
-20°	19493.9	23412.8	27743.9	33039.4	39901.5	48039.3	55906.6	63244.1	70091.6	76934.9	83076.7



REPORT NUMBER: P701491 (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°	17401.1	21096.6	24918.8	28970.3	34168.8	40814.8	48039.3	54874.1	61089.7	66591.9	71584.7
-25°	15157.7	18604.6	22077.6	25694.2	29513.6	34168.8	39901.5	46109.9	51830.0	56891.9	61168.3
-27.5°	12564.1	16038.5	19229.0	22408.0	25694.2	28970.3	33039.4	37200.3	42379.4	46922.2	50833.4
-30°	9715.9	13204.0	16334.7	19229.0	22077.6	24918.8	27743.9	30823.5	33929.3	36984.0	40485.4
-32.5°	6550.8	10027.6	13204.0	16038.5	18604.6	21096.6	23412.8	25786.8	27923.5	30089.3	32174.3
-35°	3801.1	6550.8	9715.9	12564.1	15157.7	17401.1	19493.9	21448.0	23186.2	24844.0	26270.0
-37.5°	2982.4	3726.6	5906.6	8752.2	11300.2	13637.8	15636.9	17375.3	18918.6	20304.5	21458.6
-40°	2533.1	2837.2	3504.5	4632.5	7130.8	9442.4	11437.0	13236.3	14779.4	16005.7	17024.5
-42.5°	2296.3	2467.2	2661.6	3139.5	3691.1	4911.6	6882.2	8655.6	10166.5	11429.4	12476.8
-45°	2189.4	2263.3	2358.6	2529.7	2689.3	3112.9	3545.3	3933.6	5223.6	6462.4	7488.3
-47.5°	1974.9	2129.3	2214.5	2275.8	2357.7	2494.4	2618.7	2770.4	3085.6	3355.6	3578.9
-50°	1710.1	1869.7	2005.5	2132.8	2203.7	2252.4	2296.6	2366.3	2456.5	2533.6	2597.4
-52.5°	1418.1	1571.2	1717.1	1849.8	1959.1	2059.6	2150.8	2195.2	2227.1	2254.4	2276.9
-55°	1155.6	1281.6	1400.3	1522.2	1638.9	1746.0	1840.6	1915.3	1980.7	2036.6	2082.6
-57.5°	915.8	1016.1	1114.8	1216.6	1310.8	1397.2	1481.5	1560.7	1630.0	1689.0	1737.7
-60°	701.2	776.4	861.3	941.7	1016.1	1084.4	1155.6	1219.0	1274.4	1321.7	1360.6
-62.5°	514.2	577.2	641.4	701.2	756.4	812.4	868.1	917.7	961.1	998.0	1028.3
-65°	358.7	408.2	454.5	497.7	538.0	583.4	624.4	660.9	692.8	719.9	742.2
-67.5°	238.3	270.8	301.2	329.5	361.8	394.2	423.5	449.5	472.3	491.6	507.5
-70°	156.3	171.4	185.5	203.0	226.0	247.0	266.0	282.8	297.5	310.0	320.3
-72.5°	102.2	111.2	120.6	132.0	142.5	152.0	160.7	168.3	175.0	180.7	185.4
-75°	62.2	67.5	74.7	81.4	87.6	93.2	98.3	102.8	106.7	110.1	112.8
-77.5°	38.7	42.2	45.5	48.6	51.4	54.0	56.3	58.4	60.2	61.7	63.0
-80°	26.9	28.2	29.3	30.4	31.4	32.3	33.1	33.8	34.5	35.0	35.4
-82.5°	18.6	19.3	19.9	20.4	21.0	21.4	21.9	22.2	22.6	22.9	23.1
-85°	11.9	12.2	12.5	12.8	13.1	13.4	13.6	13.8	14.0	14.2	14.3
-87.5°	5.9	6.1	6.2	6.4	6.5	6.7	6.8	6.9	7.0	7.0	7.1
-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: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-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°	7.1	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.0	7.0	6.9
85°	14.4	14.4	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.0	13.8
82.5°	23.3	23.4	23.5	23.5	23.5	23.4	23.3	23.1	22.9	22.6	22.2
80°	35.8	36.0	36.2	36.2	36.2	36.0	35.8	35.4	35.0	34.5	33.8
77.5°	63.9	64.6	65.1	65.2	65.1	64.6	63.9	63.0	61.7	60.2	58.4
75°	114.9	116.5	117.4	117.7	117.4	116.5	114.9	112.8	110.1	106.7	102.8
72.5°	189.0	191.6	193.2	193.7	193.2	191.6	189.0	185.4	180.7	175.0	168.3
70°	328.3	334.0	337.4	338.6	337.4	334.0	328.3	320.3	310.0	297.5	282.8
67.5°	519.9	528.8	534.1	535.9	534.1	528.8	519.9	507.5	491.6	472.3	449.5
65°	759.6	772.1	779.6	782.1	779.6	772.1	759.6	742.2	719.9	692.8	660.9
62.5°	1052.1	1069.1	1079.3	1082.7	1079.3	1069.1	1052.1	1028.3	998.0	961.1	917.7
60°	1391.0	1412.8	1425.9	1430.3	1425.9	1412.8	1391.0	1360.6	1321.7	1274.4	1219.0
57.5°	1775.8	1803.1	1819.5	1825.0	1819.5	1803.1	1775.8	1737.7	1689.0	1630.0	1560.7
55°	2118.7	2144.5	2160.1	2165.3	2160.1	2144.5	2118.7	2082.6	2036.6	1980.7	1915.3
52.5°	2294.6	2307.2	2314.9	2317.4	2314.9	2307.2	2294.6	2276.9	2254.4	2227.1	2195.2
50°	2647.4	2683.3	2704.9	2712.1	2704.9	2683.3	2647.4	2597.4	2533.6	2456.5	2366.3
47.5°	3754.1	3880.0	3955.9	3981.3	3955.9	3880.0	3754.1	3578.9	3355.6	3085.6	2770.4
45°	8294.0	8873.8	9223.5	9340.3	9223.5	8873.8	8294.0	7488.3	6462.4	5223.6	3933.6
42.5°	13300.5	13893.9	14252.0	14371.7	14252.0	13893.9	13300.5	12476.8	11429.4	10166.5	8655.6
40°	17827.1	18406.0	18755.6	18872.5	18755.6	18406.0	17827.1	17024.5	16005.7	14779.4	13236.3
37.5°	22369.4	23027.3	23425.0	23558.1	23425.0	23027.3	22369.4	21458.6	20304.5	18918.6	17375.3
35°	27398.0	28214.2	28708.3	28873.7	28708.3	28214.2	27398.0	26270.0	24844.0	23186.2	21448.0
32.5°	33827.9	35027.3	35754.4	35998.0	35754.4	35027.3	33827.9	32174.3	30089.3	27923.5	25786.8
30°	43272.0	45298.5	46529.5	46942.4	46529.5	45298.5	43272.0	40485.4	36984.0	33929.3	30823.5
27.5°	53959.7	56241.0	57630.2	58096.8	57630.2	56241.0	53959.7	50833.4	46922.2	42379.4	37200.3
25°	64596.5	67109.3	68644.3	69160.7	68644.3	67109.3	64596.5	61168.3	56891.9	51830.0	46109.9
22.5°	75898.4	79078.6	81029.6	81687.5	81029.6	79078.6	75898.4	71584.7	66591.9	61089.7	54874.1
20°	88860.3	93157.2	95808.7	96705.5	95808.7	93157.2	88860.3	83076.7	76934.9	70091.6	63244.1
17.5°	103785.2	109511.0	113073.2	114283.5	113073.2	109511.0	103785.2	96238.7	88346.6	79708.6	71399.6
15°	118330.6	123276.9	126391.2	127456.6	126391.2	123276.9	118330.6	111022.0	100690.2	90154.2	79708.6
12.5°	129227.2	133193.3	135390.6	136065.5	135390.6	133193.3	129227.2	122409.1	113531.4	100690.2	88346.6
10°	136129.0	139272.6	140961.1	141538.6	140961.1	139272.6	136129.0	130947.7	122409.1	111022.0	96238.7
7.5°	140417.5	143343.7	145101.5	145720.9	145101.5	143343.7	140417.5	136129.0	129227.2	118330.6	103785.2
5°	143343.7	146386.3	148273.8	148849.4	148273.8	146386.3	143343.7	139272.6	133193.3	123276.9	109511.0
2.5°	145101.5	148273.8	149180.8	149149.9	149180.8	148273.8	145101.5	140961.1	135390.6	126391.2	113073.2
0°	145720.9	148849.4	149149.9	148574.2	149149.9	148849.4	145720.9	141538.6	136065.5	127456.6	114283.5
-2.5°	145101.5	148273.8	149180.8	149149.9	149180.8	148273.8	145101.5	140961.1	135390.6	126391.2	113073.2
-5°	143343.7	146386.3	148273.8	148849.4	148273.8	146386.3	143343.7	139272.6	133193.3	123276.9	109511.0
-7.5°	140417.5	143343.7	145101.5	145720.9	145101.5	143343.7	140417.5	136129.0	129227.2	118330.6	103785.2
-10°	136129.0	139272.6	140961.1	141538.6	140961.1	139272.6	136129.0	130947.7	122409.1	111022.0	96238.7
-12.5°	129227.2	133193.3	135390.6	136065.5	135390.6	133193.3	129227.2	122409.1	113531.4	100690.2	88346.6
-15°	118330.6	123276.9	126391.2	127456.6	126391.2	123276.9	118330.6	111022.0	100690.2	90154.2	79708.6
-17.5°	103785.2	109511.0	113073.2	114283.5	113073.2	109511.0	103785.2	96238.7	88346.6	79708.6	71399.6
-20°	88860.3	93157.2	95808.7	96705.5	95808.7	93157.2	88860.3	83076.7	76934.9	70091.6	63244.1



REPORT NUMBER: P701491 (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°	75898.4	79078.6	81029.6	81687.5	81029.6	79078.6	75898.4	71584.7	66591.9	61089.7	54874.1
-25°	64596.5	67109.3	68644.3	69160.7	68644.3	67109.3	64596.5	61168.3	56891.9	51830.0	46109.9
-27.5°	53959.7	56241.0	57630.2	58096.8	57630.2	56241.0	53959.7	50833.4	46922.2	42379.4	37200.3
-30°	43272.0	45298.5	46529.5	46942.4	46529.5	45298.5	43272.0	40485.4	36984.0	33929.3	30823.5
-32.5°	33827.9	35027.3	35754.4	35998.0	35754.4	35027.3	33827.9	32174.3	30089.3	27923.5	25786.8
-35°	27398.0	28214.2	28708.3	28873.7	28708.3	28214.2	27398.0	26270.0	24844.0	23186.2	21448.0
-37.5°	22369.4	23027.3	23425.0	23558.1	23425.0	23027.3	22369.4	21458.6	20304.5	18918.6	17375.3
-40°	17827.1	18406.0	18755.6	18872.5	18755.6	18406.0	17827.1	17024.5	16005.7	14779.4	13236.3
-42.5°	13300.5	13893.9	14252.0	14371.7	14252.0	13893.9	13300.5	12476.8	11429.4	10166.5	8655.6
-45°	8294.0	8873.8	9223.5	9340.3	9223.5	8873.8	8294.0	7488.3	6462.4	5223.6	3933.6
-47.5°	3754.1	3880.0	3955.9	3981.3	3955.9	3880.0	3754.1	3578.9	3355.6	3085.6	2770.4
-50°	2647.4	2683.3	2704.9	2712.1	2704.9	2683.3	2647.4	2597.4	2533.6	2456.5	2366.3
-52.5°	2294.6	2307.2	2314.9	2317.4	2314.9	2307.2	2294.6	2276.9	2254.4	2227.1	2195.2
-55°	2118.7	2144.5	2160.1	2165.3	2160.1	2144.5	2118.7	2082.6	2036.6	1980.7	1915.3
-57.5°	1775.8	1803.1	1819.5	1825.0	1819.5	1803.1	1775.8	1737.7	1689.0	1630.0	1560.7
-60°	1391.0	1412.8	1425.9	1430.3	1425.9	1412.8	1391.0	1360.6	1321.7	1274.4	1219.0
-62.5°	1052.1	1069.1	1079.3	1082.7	1079.3	1069.1	1052.1	1028.3	998.0	961.1	917.7
-65°	759.6	772.1	779.6	782.1	779.6	772.1	759.6	742.2	719.9	692.8	660.9
-67.5°	519.9	528.8	534.1	535.9	534.1	528.8	519.9	507.5	491.6	472.3	449.5
-70°	328.3	334.0	337.4	338.6	337.4	334.0	328.3	320.3	310.0	297.5	282.8
-72.5°	189.0	191.6	193.2	193.7	193.2	191.6	189.0	185.4	180.7	175.0	168.3
-75°	114.9	116.5	117.4	117.7	117.4	116.5	114.9	112.8	110.1	106.7	102.8
-77.5°	63.9	64.6	65.1	65.2	65.1	64.6	63.9	63.0	61.7	60.2	58.4
-80°	35.8	36.0	36.2	36.2	36.2	36.0	35.8	35.4	35.0	34.5	33.8
-82.5°	23.3	23.4	23.5	23.5	23.5	23.4	23.3	23.1	22.9	22.6	22.2
-85°	14.4	14.4	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.0	13.8
-87.5°	7.1	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.0	7.0	6.9
-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°	6.8	6.7	6.5	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1
85°	13.6	13.4	13.1	12.8	12.5	12.2	11.9	11.5	11.1	10.7	10.2
82.5°	21.9	21.4	21.0	20.4	19.9	19.3	18.6	17.9	17.2	16.4	15.6
80°	33.1	32.3	31.4	30.4	29.3	28.2	26.9	25.6	24.2	23.0	21.9
77.5°	56.3	54.0	51.4	48.6	45.5	42.2	38.7	35.6	33.9	32.0	30.1
75°	98.3	93.2	87.6	81.4	74.7	67.5	62.2	57.6	52.9	47.8	42.5
72.5°	160.7	152.0	142.5	132.0	120.6	111.2	102.2	92.5	82.4	71.7	62.6
70°	266.0	247.0	226.0	203.0	185.5	171.4	156.3	140.3	123.4	109.4	96.6
67.5°	423.5	394.2	361.8	329.5	301.2	270.8	238.3	203.8	179.9	159.9	139.0
65°	624.4	583.4	538.0	497.7	454.5	408.2	358.7	314.8	274.2	231.7	190.3
62.5°	868.1	812.4	756.4	701.2	641.4	577.2	514.2	456.1	395.0	333.0	283.9
60°	1155.6	1084.4	1016.1	941.7	861.3	776.4	701.2	621.6	538.0	467.4	394.2
57.5°	1481.5	1397.2	1310.8	1216.6	1114.8	1016.1	915.8	809.9	713.7	618.3	522.4
55°	1840.6	1746.0	1638.9	1522.2	1400.3	1281.6	1155.6	1030.8	910.1	784.1	676.5
52.5°	2150.8	2059.6	1959.1	1849.8	1717.1	1571.2	1418.1	1274.4	1124.0	982.7	841.8
50°	2296.6	2252.4	2203.7	2132.8	2005.5	1869.7	1710.1	1534.7	1360.6	1192.3	1026.7
47.5°	2618.7	2494.4	2357.7	2275.8	2214.5	2129.3	1974.9	1810.9	1614.5	1412.8	1226.8
45°	3545.3	3112.9	2689.3	2529.7	2358.6	2263.3	2189.4	2046.1	1865.5	1654.8	1430.3
42.5°	6882.2	4911.6	3691.1	3139.5	2661.6	2467.2	2296.3	2213.8	2081.9	1883.2	1654.8
40°	11437.0	9442.4	7130.8	4632.5	3504.5	2837.2	2533.1	2312.9	2222.0	2081.9	1865.5
37.5°	15636.9	13637.8	11300.2	8752.2	5906.6	3726.6	2982.4	2555.3	2312.9	2213.8	2046.1
35°	19493.9	17401.1	15157.7	12564.1	9715.9	6550.8	3801.1	2982.4	2533.1	2296.3	2189.4
32.5°	23412.8	21096.6	18604.6	16038.5	13204.0	10027.6	6550.8	3726.6	2837.2	2467.2	2263.3
30°	27743.9	24918.8	22077.6	19229.0	16334.7	13204.0	9715.9	5906.6	3504.5	2661.6	2358.6
27.5°	33039.4	28970.3	25694.2	22408.0	19229.0	16038.5	12564.1	8752.2	4632.5	3139.5	2529.7
25°	39901.5	34168.8	29513.6	25694.2	22077.6	18604.6	15157.7	11300.2	7130.8	3691.1	2689.3
22.5°	48039.3	40814.8	34168.8	28970.3	24918.8	21096.6	17401.1	13637.8	9442.4	4911.6	3112.9
20°	55906.6	48039.3	39901.5	33039.4	27743.9	23412.8	19493.9	15636.9	11437.0	6882.2	3545.3
17.5°	63244.1	54874.1	46109.9	37200.3	30823.5	25786.8	21448.0	17375.3	13236.3	8655.6	3933.6
15°	70091.6	61089.7	51830.0	42379.4	33929.3	27923.5	23186.2	18918.6	14779.4	10166.5	5223.6
12.5°	76934.9	66591.9	56891.9	46922.2	36984.0	30089.3	24844.0	20304.5	16005.7	11429.4	6462.4
10°	83076.7	71584.7	61168.3	50833.4	40485.4	32174.3	26270.0	21458.6	17024.5	12476.8	7488.3
7.5°	88860.3	75898.4	64596.5	53959.7	43272.0	33827.9	27398.0	22369.4	17827.1	13300.5	8294.0
5°	93157.2	79078.6	67109.3	56241.0	45298.5	35027.3	28214.2	23027.3	18406.0	13893.9	8873.8
2.5°	95808.7	81029.6	68644.3	57630.2	46529.5	35754.4	28708.3	23425.0	18755.6	14252.0	9223.5
0°	96705.5	81687.5	69160.7	58096.8	46942.4	35998.0	28873.7	23558.1	18872.5	14371.7	9340.3
-2.5°	95808.7	81029.6	68644.3	57630.2	46529.5	35754.4	28708.3	23425.0	18755.6	14252.0	9223.5
-5°	93157.2	79078.6	67109.3	56241.0	45298.5	35027.3	28214.2	23027.3	18406.0	13893.9	8873.8
-7.5°	88860.3	75898.4	64596.5	53959.7	43272.0	33827.9	27398.0	22369.4	17827.1	13300.5	8294.0
-10°	83076.7	71584.7	61168.3	50833.4	40485.4	32174.3	26270.0	21458.6	17024.5	12476.8	7488.3
-12.5°	76934.9	66591.9	56891.9	46922.2	36984.0	30089.3	24844.0	20304.5	16005.7	11429.4	6462.4
-15°	70091.6	61089.7	51830.0	42379.4	33929.3	27923.5	23186.2	18918.6	14779.4	10166.5	5223.6
-17.5°	63244.1	54874.1	46109.9	37200.3	30823.5	25786.8	21448.0	17375.3	13236.3	8655.6	3933.6
-20°	55906.6	48039.3	39901.5	33039.4	27743.9	23412.8	19493.9	15636.9	11437.0	6882.2	3545.3



REPORT NUMBER: P701491 (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°	48039.3	40814.8	34168.8	28970.3	24918.8	21096.6	17401.1	13637.8	9442.4	4911.6	3112.9
-25°	39901.5	34168.8	29513.6	25694.2	22077.6	18604.6	15157.7	11300.2	7130.8	3691.1	2689.3
-27.5°	33039.4	28970.3	25694.2	22408.0	19229.0	16038.5	12564.1	8752.2	4632.5	3139.5	2529.7
-30°	27743.9	24918.8	22077.6	19229.0	16334.7	13204.0	9715.9	5906.6	3504.5	2661.6	2358.6
-32.5°	23412.8	21096.6	18604.6	16038.5	13204.0	10027.6	6550.8	3726.6	2837.2	2467.2	2263.3
-35°	19493.9	17401.1	15157.7	12564.1	9715.9	6550.8	3801.1	2982.4	2533.1	2296.3	2189.4
-37.5°	15636.9	13637.8	11300.2	8752.2	5906.6	3726.6	2982.4	2555.3	2312.9	2213.8	2046.1
-40°	11437.0	9442.4	7130.8	4632.5	3504.5	2837.2	2533.1	2312.9	2222.0	2081.9	1865.5
-42.5°	6882.2	4911.6	3691.1	3139.5	2661.6	2467.2	2296.3	2213.8	2081.9	1883.2	1654.8
-45°	3545.3	3112.9	2689.3	2529.7	2358.6	2263.3	2189.4	2046.1	1865.5	1654.8	1430.3
-47.5°	2618.7	2494.4	2357.7	2275.8	2214.5	2129.3	1974.9	1810.9	1614.5	1412.8	1226.8
-50°	2296.6	2252.4	2203.7	2132.8	2005.5	1869.7	1710.1	1534.7	1360.6	1192.3	1026.7
-52.5°	2150.8	2059.6	1959.1	1849.8	1717.1	1571.2	1418.1	1274.4	1124.0	982.7	841.8
-55°	1840.6	1746.0	1638.9	1522.2	1400.3	1281.6	1155.6	1030.8	910.1	784.1	676.5
-57.5°	1481.5	1397.2	1310.8	1216.6	1114.8	1016.1	915.8	809.9	713.7	618.3	522.4
-60°	1155.6	1084.4	1016.1	941.7	861.3	776.4	701.2	621.6	538.0	467.4	394.2
-62.5°	868.1	812.4	756.4	701.2	641.4	577.2	514.2	456.1	395.0	333.0	283.9
-65°	624.4	583.4	538.0	497.7	454.5	408.2	358.7	314.8	274.2	231.7	190.3
-67.5°	423.5	394.2	361.8	329.5	301.2	270.8	238.3	203.8	179.9	159.9	139.0
-70°	266.0	247.0	226.0	203.0	185.5	171.4	156.3	140.3	123.4	109.4	96.6
-72.5°	160.7	152.0	142.5	132.0	120.6	111.2	102.2	92.5	82.4	71.7	62.6
-75°	98.3	93.2	87.6	81.4	74.7	67.5	62.2	57.6	52.9	47.8	42.5
-77.5°	56.3	54.0	51.4	48.6	45.5	42.2	38.7	35.6	33.9	32.0	30.1
-80°	33.1	32.3	31.4	30.4	29.3	28.2	26.9	25.6	24.2	23.0	21.9
-82.5°	21.9	21.4	21.0	20.4	19.9	19.3	18.6	17.9	17.2	16.4	15.6
-85°	13.6	13.4	13.1	12.8	12.5	12.2	11.9	11.5	11.1	10.7	10.2
-87.5°	6.8	6.7	6.5	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1
-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-57-70-5S-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°	4.9	4.6	4.4	4.1	3.9	3.6	3.3	3.0	2.8	2.5	2.2
85°	9.8	9.3	8.8	8.3	7.7	7.2	6.6	6.1	5.5	4.9	4.3
82.5°	14.7	14.0	13.2	12.4	11.6	10.8	10.0	9.1	8.3	7.4	6.5
80°	20.8	19.6	18.3	17.1	15.8	14.4	13.3	12.2	11.0	9.8	8.6
77.5°	28.1	26.0	23.9	22.2	20.5	18.9	17.1	15.4	13.8	12.3	10.8
75°	37.0	34.0	31.5	28.8	26.0	23.3	21.2	19.1	17.0	14.8	12.9
72.5°	56.2	49.5	42.6	35.9	32.6	29.3	25.9	22.8	20.3	17.8	15.2
70°	83.3	69.4	59.6	51.4	43.0	35.4	31.6	27.6	23.6	20.7	17.8
67.5°	117.3	101.7	85.6	69.0	57.8	48.2	38.3	32.7	28.2	23.6	20.3
65°	166.0	140.9	115.8	97.3	78.3	61.7	50.7	39.5	32.7	27.6	22.8
62.5°	232.9	186.6	158.0	128.6	104.4	83.0	63.0	50.7	38.3	31.6	25.9
60°	323.7	266.0	206.5	168.3	135.5	106.7	83.0	61.7	48.2	35.4	29.3
57.5°	439.9	354.7	286.0	219.8	171.8	135.5	104.4	78.3	57.8	43.0	32.6
55°	565.4	467.6	373.1	292.7	219.8	168.3	128.6	97.3	69.0	51.4	35.9
52.5°	711.7	588.7	476.9	373.1	286.0	206.5	158.0	115.8	85.6	59.6	42.6
50°	870.9	723.5	588.7	467.6	354.7	266.0	186.6	140.9	101.7	69.4	49.5
47.5°	1041.4	870.9	711.7	565.4	439.9	323.7	232.9	166.0	117.3	83.3	56.2
45°	1226.8	1026.7	841.8	676.5	522.4	394.2	283.9	190.3	139.0	96.6	62.6
42.5°	1412.8	1192.3	982.7	784.1	618.3	467.4	333.0	231.7	159.9	109.4	71.7
40°	1614.5	1360.6	1124.0	910.1	713.7	538.0	395.0	274.2	179.9	123.4	82.4
37.5°	1810.9	1534.7	1274.4	1030.8	809.9	621.6	456.1	314.8	203.8	140.3	92.5
35°	1974.9	1710.1	1418.1	1155.6	915.8	701.2	514.2	358.7	238.3	156.3	102.2
32.5°	2129.3	1869.7	1571.2	1281.6	1016.1	776.4	577.2	408.2	270.8	171.4	111.2
30°	2214.5	2005.5	1717.1	1400.3	1114.8	861.3	641.4	454.5	301.2	185.5	120.6
27.5°	2275.8	2132.8	1849.8	1522.2	1216.6	941.7	701.2	497.7	329.5	203.0	132.0
25°	2357.7	2203.7	1959.1	1638.9	1310.8	1016.1	756.4	538.0	361.8	226.0	142.5
22.5°	2494.4	2252.4	2059.6	1746.0	1397.2	1084.4	812.4	583.4	394.2	247.0	152.0
20°	2618.7	2296.6	2150.8	1840.6	1481.5	1155.6	868.1	624.4	423.5	266.0	160.7
17.5°	2770.4	2366.3	2195.2	1915.3	1560.7	1219.0	917.7	660.9	449.5	282.8	168.3
15°	3085.6	2456.5	2227.1	1980.7	1630.0	1274.4	961.1	692.8	472.3	297.5	175.0
12.5°	3355.6	2533.6	2254.4	2036.6	1689.0	1321.7	998.0	719.9	491.6	310.0	180.7
10°	3578.9	2597.4	2276.9	2082.6	1737.7	1360.6	1028.3	742.2	507.5	320.3	185.4
7.5°	3754.1	2647.4	2294.6	2118.7	1775.8	1391.0	1052.1	759.6	519.9	328.3	189.0
5°	3880.0	2683.3	2307.2	2144.5	1803.1	1412.8	1069.1	772.1	528.8	334.0	191.6
2.5°	3955.9	2704.9	2314.9	2160.1	1819.5	1425.9	1079.3	779.6	534.1	337.4	193.2
0°	3981.3	2712.1	2317.4	2165.3	1825.0	1430.3	1082.7	782.1	535.9	338.6	193.7
-2.5°	3955.9	2704.9	2314.9	2160.1	1819.5	1425.9	1079.3	779.6	534.1	337.4	193.2
-5°	3880.0	2683.3	2307.2	2144.5	1803.1	1412.8	1069.1	772.1	528.8	334.0	191.6
-7.5°	3754.1	2647.4	2294.6	2118.7	1775.8	1391.0	1052.1	759.6	519.9	328.3	189.0
-10°	3578.9	2597.4	2276.9	2082.6	1737.7	1360.6	1028.3	742.2	507.5	320.3	185.4
-12.5°	3355.6	2533.6	2254.4	2036.6	1689.0	1321.7	998.0	719.9	491.6	310.0	180.7
-15°	3085.6	2456.5	2227.1	1980.7	1630.0	1274.4	961.1	692.8	472.3	297.5	175.0
-17.5°	2770.4	2366.3	2195.2	1915.3	1560.7	1219.0	917.7	660.9	449.5	282.8	168.3
-20°	2618.7	2296.6	2150.8	1840.6	1481.5	1155.6	868.1	624.4	423.5	266.0	160.7



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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°	2494.4	2252.4	2059.6	1746.0	1397.2	1084.4	812.4	583.4	394.2	247.0	152.0
-25°	2357.7	2203.7	1959.1	1638.9	1310.8	1016.1	756.4	538.0	361.8	226.0	142.5
-27.5°	2275.8	2132.8	1849.8	1522.2	1216.6	941.7	701.2	497.7	329.5	203.0	132.0
-30°	2214.5	2005.5	1717.1	1400.3	1114.8	861.3	641.4	454.5	301.2	185.5	120.6
-32.5°	2129.3	1869.7	1571.2	1281.6	1016.1	776.4	577.2	408.2	270.8	171.4	111.2
-35°	1974.9	1710.1	1418.1	1155.6	915.8	701.2	514.2	358.7	238.3	156.3	102.2
-37.5°	1810.9	1534.7	1274.4	1030.8	809.9	621.6	456.1	314.8	203.8	140.3	92.5
-40°	1614.5	1360.6	1124.0	910.1	713.7	538.0	395.0	274.2	179.9	123.4	82.4
-42.5°	1412.8	1192.3	982.7	784.1	618.3	467.4	333.0	231.7	159.9	109.4	71.7
-45°	1226.8	1026.7	841.8	676.5	522.4	394.2	283.9	190.3	139.0	96.6	62.6
-47.5°	1041.4	870.9	711.7	565.4	439.9	323.7	232.9	166.0	117.3	83.3	56.2
-50°	870.9	723.5	588.7	467.6	354.7	266.0	186.6	140.9	101.7	69.4	49.5
-52.5°	711.7	588.7	476.9	373.1	286.0	206.5	158.0	115.8	85.6	59.6	42.6
-55°	565.4	467.6	373.1	292.7	219.8	168.3	128.6	97.3	69.0	51.4	35.9
-57.5°	439.9	354.7	286.0	219.8	171.8	135.5	104.4	78.3	57.8	43.0	32.6
-60°	323.7	266.0	206.5	168.3	135.5	106.7	83.0	61.7	48.2	35.4	29.3
-62.5°	232.9	186.6	158.0	128.6	104.4	83.0	63.0	50.7	38.3	31.6	25.9
-65°	166.0	140.9	115.8	97.3	78.3	61.7	50.7	39.5	32.7	27.6	22.8
-67.5°	117.3	101.7	85.6	69.0	57.8	48.2	38.3	32.7	28.2	23.6	20.3
-70°	83.3	69.4	59.6	51.4	43.0	35.4	31.6	27.6	23.6	20.7	17.8
-72.5°	56.2	49.5	42.6	35.9	32.6	29.3	25.9	22.8	20.3	17.8	15.2
-75°	37.0	34.0	31.5	28.8	26.0	23.3	21.2	19.1	17.0	14.8	12.9
-77.5°	28.1	26.0	23.9	22.2	20.5	18.9	17.1	15.4	13.8	12.3	10.8
-80°	20.8	19.6	18.3	17.1	15.8	14.4	13.3	12.2	11.0	9.8	8.6
-82.5°	14.7	14.0	13.2	12.4	11.6	10.8	10.0	9.1	8.3	7.4	6.5
-85°	9.8	9.3	8.8	8.3	7.7	7.2	6.6	6.1	5.5	4.9	4.3
-87.5°	4.9	4.6	4.4	4.1	3.9	3.6	3.3	3.0	2.8	2.5	2.2
-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):

	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°	1.9	1.6	1.2	0.9	0.6	0.3	0.0
85°	3.7	3.1	2.5	1.9	1.3	0.6	0.0
82.5°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
80°	7.4	6.2	5.0	3.7	2.5	1.2	0.0
77.5°	9.3	7.7	6.2	4.7	3.1	1.6	0.0
75°	11.1	9.3	7.4	5.6	3.7	1.9	0.0
72.5°	12.9	10.8	8.6	6.5	4.3	2.2	0.0
70°	14.8	12.3	9.8	7.4	4.9	2.5	0.0
67.5°	17.0	13.8	11.0	8.3	5.5	2.8	0.0
65°	19.1	15.4	12.2	9.1	6.1	3.0	0.0
62.5°	21.2	17.1	13.3	10.0	6.6	3.3	0.0
60°	23.3	18.9	14.4	10.8	7.2	3.6	0.0
57.5°	26.0	20.5	15.8	11.6	7.7	3.9	0.0
55°	28.8	22.2	17.1	12.4	8.3	4.1	0.0
52.5°	31.5	23.9	18.3	13.2	8.8	4.4	0.0
50°	34.0	26.0	19.6	14.0	9.3	4.6	0.0
47.5°	37.0	28.1	20.8	14.7	9.8	4.9	0.0
45°	42.5	30.1	21.9	15.6	10.2	5.1	0.0
42.5°	47.8	32.0	23.0	16.4	10.7	5.3	0.0
40°	52.9	33.9	24.2	17.2	11.1	5.5	0.0
37.5°	57.6	35.6	25.6	17.9	11.5	5.7	0.0
35°	62.2	38.7	26.9	18.6	11.9	5.9	0.0
32.5°	67.5	42.2	28.2	19.3	12.2	6.1	0.0
30°	74.7	45.5	29.3	19.9	12.5	6.2	0.0
27.5°	81.4	48.6	30.4	20.4	12.8	6.4	0.0
25°	87.6	51.4	31.4	21.0	13.1	6.5	0.0
22.5°	93.2	54.0	32.3	21.4	13.4	6.7	0.0
20°	98.3	56.3	33.1	21.9	13.6	6.8	0.0
17.5°	102.8	58.4	33.8	22.2	13.8	6.9	0.0
15°	106.7	60.2	34.5	22.6	14.0	7.0	0.0
12.5°	110.1	61.7	35.0	22.9	14.2	7.0	0.0
10°	112.8	63.0	35.4	23.1	14.3	7.1	0.0
7.5°	114.9	63.9	35.8	23.3	14.4	7.1	0.0
5°	116.5	64.6	36.0	23.4	14.4	7.2	0.0
2.5°	117.4	65.1	36.2	23.5	14.5	7.2	0.0
0°	117.7	65.2	36.2	23.5	14.5	7.2	0.0
-2.5°	117.4	65.1	36.2	23.5	14.5	7.2	0.0
-5°	116.5	64.6	36.0	23.4	14.4	7.2	0.0
-7.5°	114.9	63.9	35.8	23.3	14.4	7.1	0.0
-10°	112.8	63.0	35.4	23.1	14.3	7.1	0.0
-12.5°	110.1	61.7	35.0	22.9	14.2	7.0	0.0
-15°	106.7	60.2	34.5	22.6	14.0	7.0	0.0
-17.5°	102.8	58.4	33.8	22.2	13.8	6.9	0.0
-20°	98.3	56.3	33.1	21.9	13.6	6.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	93.2	54.0	32.3	21.4	13.4	6.7	0.0
-25°	87.6	51.4	31.4	21.0	13.1	6.5	0.0
-27.5°	81.4	48.6	30.4	20.4	12.8	6.4	0.0
-30°	74.7	45.5	29.3	19.9	12.5	6.2	0.0
-32.5°	67.5	42.2	28.2	19.3	12.2	6.1	0.0
-35°	62.2	38.7	26.9	18.6	11.9	5.9	0.0
-37.5°	57.6	35.6	25.6	17.9	11.5	5.7	0.0
-40°	52.9	33.9	24.2	17.2	11.1	5.5	0.0
-42.5°	47.8	32.0	23.0	16.4	10.7	5.3	0.0
-45°	42.5	30.1	21.9	15.6	10.2	5.1	0.0
-47.5°	37.0	28.1	20.8	14.7	9.8	4.9	0.0
-50°	34.0	26.0	19.6	14.0	9.3	4.6	0.0
-52.5°	31.5	23.9	18.3	13.2	8.8	4.4	0.0
-55°	28.8	22.2	17.1	12.4	8.3	4.1	0.0
-57.5°	26.0	20.5	15.8	11.6	7.7	3.9	0.0
-60°	23.3	18.9	14.4	10.8	7.2	3.6	0.0
-62.5°	21.2	17.1	13.3	10.0	6.6	3.3	0.0
-65°	19.1	15.4	12.2	9.1	6.1	3.0	0.0
-67.5°	17.0	13.8	11.0	8.3	5.5	2.8	0.0
-70°	14.8	12.3	9.8	7.4	4.9	2.5	0.0
-72.5°	12.9	10.8	8.6	6.5	4.3	2.2	0.0
-75°	11.1	9.3	7.4	5.6	3.7	1.9	0.0
-77.5°	9.3	7.7	6.2	4.7	3.1	1.6	0.0
-80°	7.4	6.2	5.0	3.7	2.5	1.2	0.0
-82.5°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
-85°	3.7	3.1	2.5	1.9	1.3	0.6	0.0
-87.5°	1.9	1.6	1.2	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

