

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: P731261 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-4S-HEG**

Issue Date: 11/16/2023

Test Information

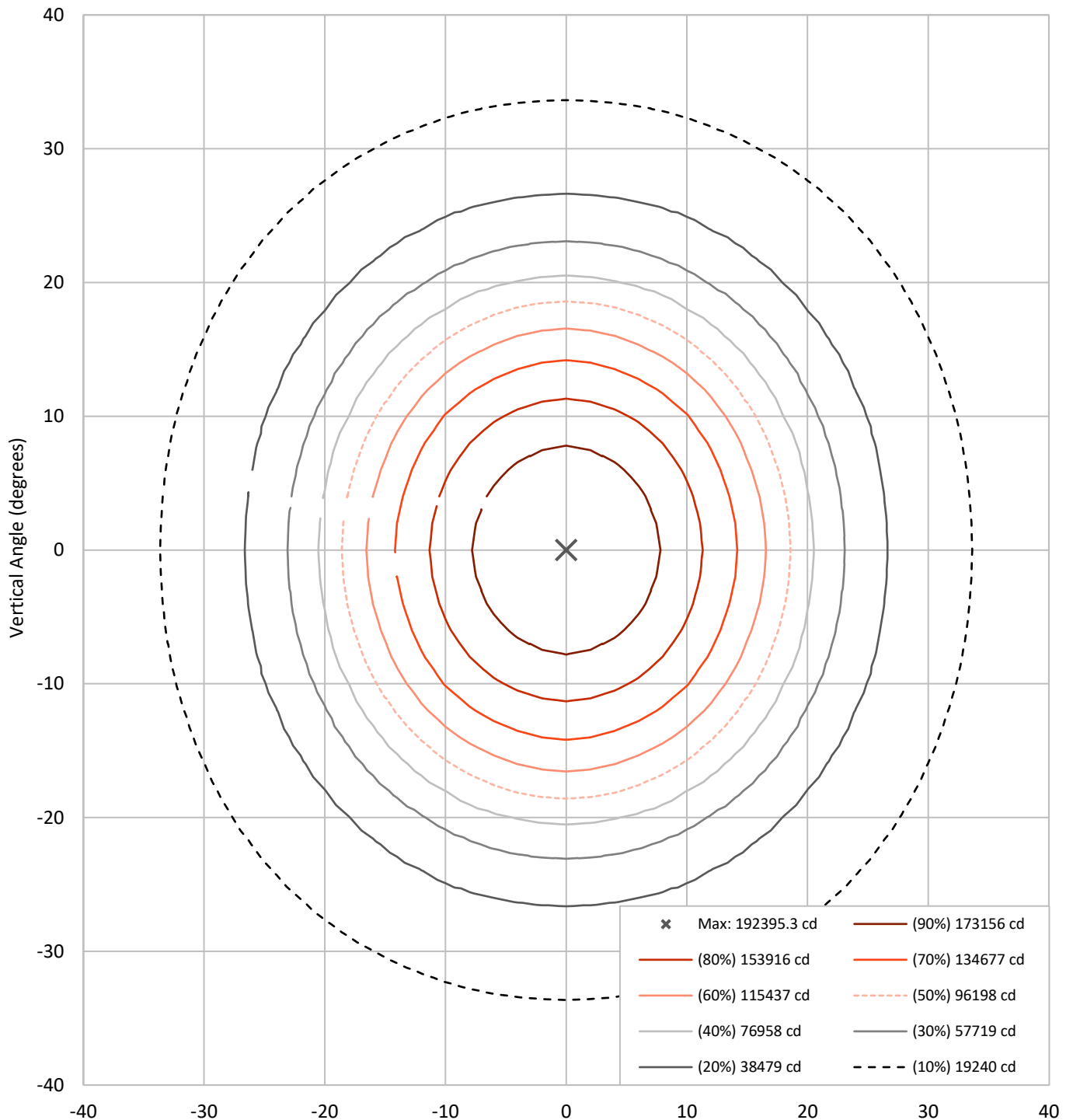
Test Method: LM-79-08
Report Number: P731261 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-4S-HEG
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	88850 lumens	Max Intensity:	192395.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	158.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	46254.5 lumens	Field Lumens:	77699.8 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%
Input Watts (W):	559.9		
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





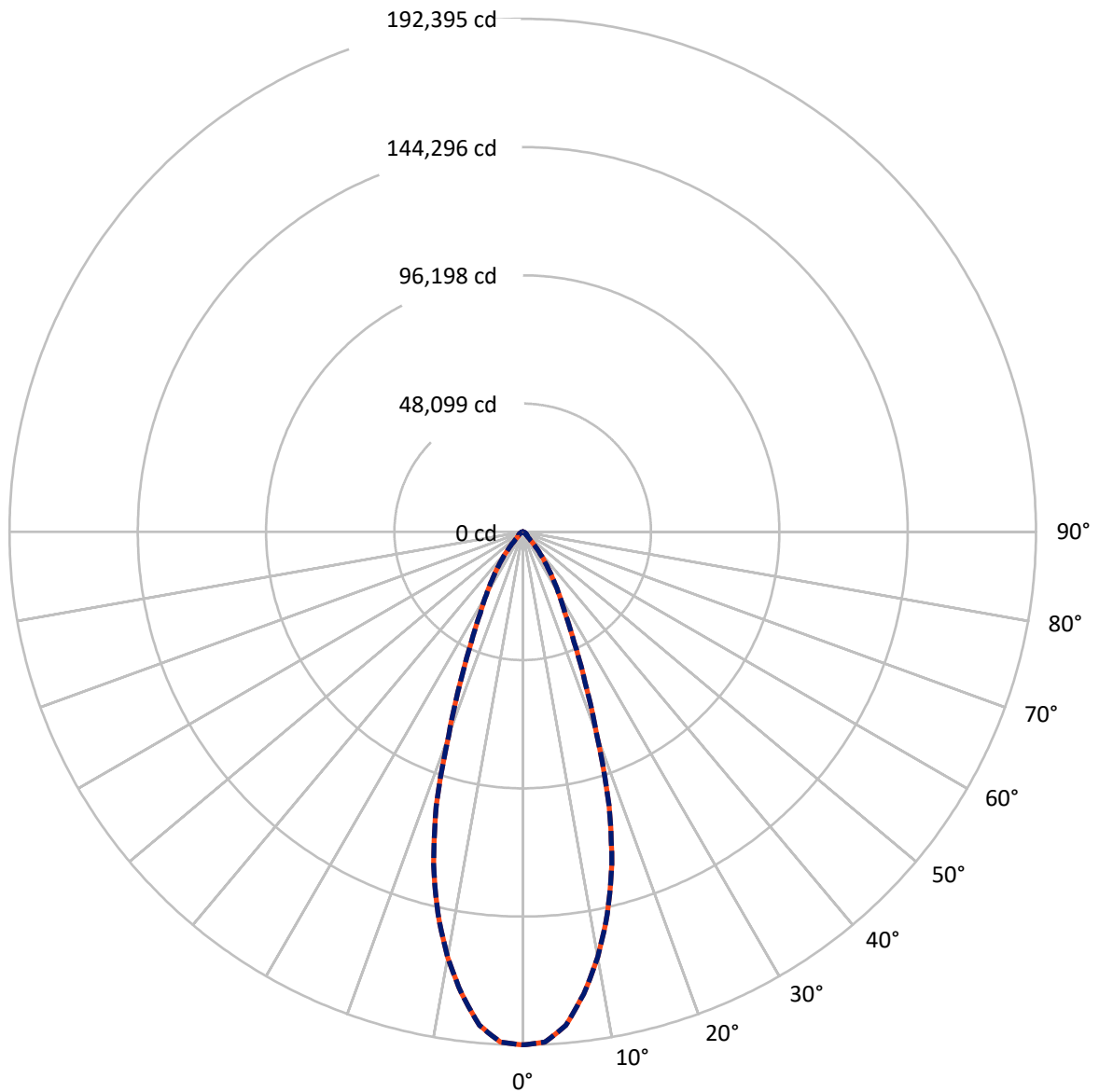
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Lumen Table

90																
80	0.1	0.7		2.6		6.3		8.2		6.3		2.6		0.7		0.1
70																
60	0.3	0.4	1.6	4.4	9.2	15.0	20.1	22.9	22.9	20.1	15.0	9.2	4.4	1.6	0.4	0.3
50		1.2	5.3	14.3	26.2	36.9	44.7	49.1	49.1	44.7	36.9	26.2	14.3	5.3	1.2	
40	0.9	2.7	11.7	26.6	41.4	57.4	82.5	108.9	108.9	82.5	57.4	41.4	26.6	11.7	2.7	0.9
30		4.9	18.6	35.8	62.1	167.1	353.7	490.6	490.6	353.7	167.1	62.1	35.8	18.6	4.9	
20	1.8	7.3	23.6	45.0	152.2	475.5	929.9	1382.7	1382.7	929.9	475.5	152.2	45.0	23.6	7.3	1.8
10		9.1	26.8	61.1	302.9	875.5	2168.3	3559.4	3559.4	2168.3	875.5	302.9	61.1	26.8	9.1	
0	2.3	10.1	28.5	78.8	407.7	1266.0	3458.8	5210.0	5210.0	3458.8	1266.0	407.7	78.8	28.5	10.1	2.3
-10		10.1	28.5	78.8	407.7	1266.0	3458.8	5210.0	5210.0	3458.8	1266.0	407.7	78.8	28.5	10.1	
-20	1.8	9.1	26.8	61.1	302.9	875.5	2168.3	3559.4	3559.4	2168.3	875.5	302.9	61.1	26.8	9.1	1.8
-30		7.3	23.6	45.0	152.2	475.5	929.9	1382.7	1382.7	929.9	475.5	152.2	45.0	23.6	7.3	
-40	0.9	4.9	18.6	35.8	62.1	167.1	353.7	490.6	490.6	353.7	167.1	62.1	35.8	18.6	4.9	0.9
-50		2.7	11.7	26.6	41.4	57.4	82.5	108.9	108.9	82.5	57.4	41.4	26.6	11.7	2.7	
-60	0.3	1.2	5.3	14.3	26.2	36.9	44.7	49.1	49.1	44.7	36.9	26.2	14.3	5.3	1.2	0.3
-70		0.4	1.6	4.4	9.2	15.0	20.1	22.9	22.9	20.1	15.0	9.2	4.4	1.6	0.4	
-80																
-90	0.1	0.7		2.6		6.3		8.2		6.3		2.6		0.7		0.1

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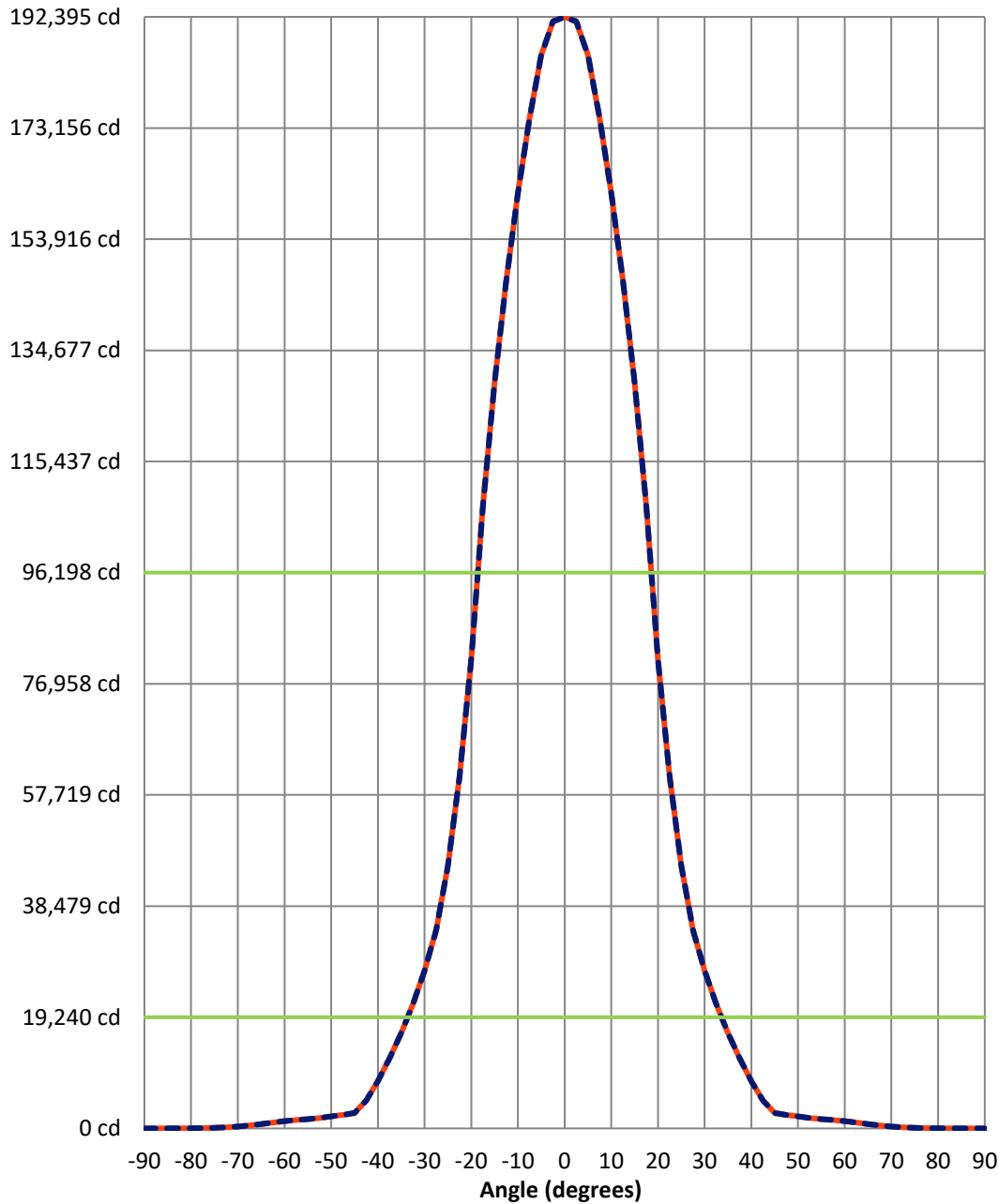
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 37.2°
 V Angle: 37.2°
 Lumens: 46254.5
 Efficiency: 52.1%

Field:
 H Angle: 67.2°
 V Angle: 67.2°
 Lumens: 77699.8
 Efficiency: 87.5%

Spill:
 Lumens: 11150.2
 Efficiency: 12.5%

- 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	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
85°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.7
82.5°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5	5.1	5.6
80°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.0	6.8	7.5
77.5°	0.0	1.0	1.9	2.8	3.8	4.7	5.7	6.6	7.5	8.5	9.6
75°	0.0	1.1	2.3	3.4	4.5	5.7	6.8	7.9	9.1	10.9	12.7
72.5°	0.0	1.3	2.6	4.0	5.3	6.6	7.9	9.5	11.6	13.7	15.7
70°	0.0	1.5	3.0	4.5	6.0	7.5	9.1	11.6	14.0	16.4	18.7
67.5°	0.0	1.7	3.4	5.1	6.8	8.5	10.9	13.7	16.4	19.0	21.6
65°	0.0	1.9	3.7	5.6	7.5	9.6	12.7	15.7	18.7	21.6	26.4
62.5°	0.0	2.0	4.1	6.1	8.2	11.1	14.4	17.7	21.0	25.4	35.5
60°	0.0	2.2	4.4	6.6	8.9	12.5	16.1	19.7	23.2	33.4	44.5
57.5°	0.0	2.4	4.7	7.1	9.9	13.9	17.8	21.6	29.3	41.3	61.7
55°	0.0	2.5	5.1	7.6	11.0	15.2	19.4	23.5	36.1	51.4	82.6
52.5°	0.0	2.7	5.4	8.1	12.1	16.5	20.9	28.9	42.7	69.7	102.9
50°	0.0	2.8	5.7	8.6	13.1	17.8	22.4	34.5	51.9	87.5	129.4
47.5°	0.0	3.0	6.0	9.1	14.0	19.0	24.4	40.0	67.1	104.6	155.8
45°	0.0	3.1	6.3	9.8	15.0	20.2	28.8	45.2	81.8	127.4	181.3
42.5°	0.0	3.2	6.5	10.4	15.9	21.3	33.1	54.4	95.9	149.4	220.6
40°	0.0	3.4	6.8	11.1	16.7	22.3	37.3	66.2	111.0	170.4	260.5
37.5°	0.0	3.5	7.0	11.7	17.5	23.4	41.2	77.3	128.8	194.4	298.7
35°	0.0	3.6	7.3	12.3	18.3	25.7	44.8	87.9	145.6	226.8	340.9
32.5°	0.0	3.7	7.5	12.8	19.0	28.6	49.8	97.9	161.4	257.3	389.8
30°	0.0	3.8	7.7	13.3	19.7	31.3	57.7	108.0	176.3	285.9	435.7
27.5°	0.0	3.9	7.9	13.8	20.3	33.8	65.1	120.0	193.6	312.5	478.4
25°	0.0	4.0	8.1	14.2	20.9	36.1	71.9	131.0	215.3	343.9	518.2
22.5°	0.0	4.1	8.2	14.6	21.4	38.2	78.1	141.1	235.0	376.0	561.6
20°	0.0	4.1	8.4	15.0	21.9	40.1	83.7	150.2	252.8	405.0	600.8
17.5°	0.0	4.2	8.5	15.3	22.3	41.8	88.6	158.2	268.6	430.8	635.6
15°	0.0	4.2	8.6	15.5	22.7	43.2	92.9	165.3	282.4	453.2	666.1
12.5°	0.0	4.3	8.7	15.8	23.0	44.5	96.6	171.2	294.1	472.4	692.0
10°	0.0	4.3	8.8	16.0	23.2	45.5	99.6	176.1	303.8	488.1	713.3
7.5°	0.0	4.4	8.8	16.1	23.4	46.3	102.0	180.0	311.3	500.4	729.9
5°	0.0	4.4	8.9	16.2	23.6	46.8	103.7	182.7	316.7	509.2	741.8
2.5°	0.0	4.4	8.9	16.3	23.7	47.2	104.7	184.4	319.9	514.4	749.0
0°	0.0	4.4	8.9	16.3	23.7	47.2	104.7	184.4	319.9	514.4	749.0
-2.5°	0.0	4.4	8.9	16.3	23.7	47.2	104.7	184.4	319.9	514.4	749.0
-5°	0.0	4.4	8.9	16.2	23.6	46.8	103.7	182.7	316.7	509.2	741.8
-7.5°	0.0	4.4	8.8	16.1	23.4	46.3	102.0	180.0	311.3	500.4	729.9
-10°	0.0	4.3	8.8	16.0	23.2	45.5	99.6	176.1	303.8	488.1	713.3
-12.5°	0.0	4.3	8.7	15.8	23.0	44.5	96.6	171.2	294.1	472.4	692.0
-15°	0.0	4.2	8.6	15.5	22.7	43.2	92.9	165.3	282.4	453.2	666.1
-17.5°	0.0	4.2	8.5	15.3	22.3	41.8	88.6	158.2	268.6	430.8	635.6
-20°	0.0	4.1	8.4	15.0	21.9	40.1	83.7	150.2	252.8	405.0	600.8



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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	4.1	8.2	14.6	21.4	38.2	78.1	141.1	235.0	376.0	561.6
-25°	0.0	4.0	8.1	14.2	20.9	36.1	71.9	131.0	215.3	343.9	518.2
-27.5°	0.0	3.9	7.9	13.8	20.3	33.8	65.1	120.0	193.6	312.5	478.4
-30°	0.0	3.8	7.7	13.3	19.7	31.3	57.7	108.0	176.3	285.9	435.7
-32.5°	0.0	3.7	7.5	12.8	19.0	28.6	49.8	97.9	161.4	257.3	389.8
-35°	0.0	3.6	7.3	12.3	18.3	25.7	44.8	87.9	145.6	226.8	340.9
-37.5°	0.0	3.5	7.0	11.7	17.5	23.4	41.2	77.3	128.8	194.4	298.7
-40°	0.0	3.4	6.8	11.1	16.7	22.3	37.3	66.2	111.0	170.4	260.5
-42.5°	0.0	3.2	6.5	10.4	15.9	21.3	33.1	54.4	95.9	149.4	220.6
-45°	0.0	3.1	6.3	9.8	15.0	20.2	28.8	45.2	81.8	127.4	181.3
-47.5°	0.0	3.0	6.0	9.1	14.0	19.0	24.4	40.0	67.1	104.6	155.8
-50°	0.0	2.8	5.7	8.6	13.1	17.8	22.4	34.5	51.9	87.5	129.4
-52.5°	0.0	2.7	5.4	8.1	12.1	16.5	20.9	28.9	42.7	69.7	102.9
-55°	0.0	2.5	5.1	7.6	11.0	15.2	19.4	23.5	36.1	51.4	82.6
-57.5°	0.0	2.4	4.7	7.1	9.9	13.9	17.8	21.6	29.3	41.3	61.7
-60°	0.0	2.2	4.4	6.6	8.9	12.5	16.1	19.7	23.2	33.4	44.5
-62.5°	0.0	2.0	4.1	6.1	8.2	11.1	14.4	17.7	21.0	25.4	35.5
-65°	0.0	1.9	3.7	5.6	7.5	9.6	12.7	15.7	18.7	21.6	26.4
-67.5°	0.0	1.7	3.4	5.1	6.8	8.5	10.9	13.7	16.4	19.0	21.6
-70°	0.0	1.5	3.0	4.5	6.0	7.5	9.1	11.6	14.0	16.4	18.7
-72.5°	0.0	1.3	2.6	4.0	5.3	6.6	7.9	9.5	11.6	13.7	15.7
-75°	0.0	1.1	2.3	3.4	4.5	5.7	6.8	7.9	9.1	10.9	12.7
-77.5°	0.0	1.0	1.9	2.8	3.8	4.7	5.7	6.6	7.5	8.5	9.6
-80°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.0	6.8	7.5
-82.5°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5	5.1	5.6
-85°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.7
-87.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
-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):

	-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°	2.0	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.2	3.4	3.5
85°	4.1	4.4	4.7	5.1	5.4	5.7	6.0	6.3	6.5	6.8	7.0
82.5°	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.8	10.4	11.1	11.7
80°	8.2	8.9	9.9	11.0	12.1	13.1	14.0	15.0	15.9	16.7	17.5
77.5°	11.1	12.5	13.9	15.2	16.5	17.8	19.0	20.2	21.3	22.3	23.4
75°	14.4	16.1	17.8	19.4	20.9	22.4	24.4	28.8	33.1	37.3	41.2
72.5°	17.7	19.7	21.6	23.5	28.9	34.5	40.0	45.2	54.4	66.2	77.3
70°	21.0	23.2	29.3	36.1	42.7	51.9	67.1	81.8	95.9	111.0	128.8
67.5°	25.4	33.4	41.3	51.4	69.7	87.5	104.6	127.4	149.4	170.4	194.4
65°	35.5	44.5	61.7	82.6	102.9	129.4	155.8	181.3	220.6	260.5	298.7
62.5°	45.5	66.9	90.3	116.4	147.4	177.4	221.8	269.7	315.7	376.8	437.3
60°	66.9	92.9	123.7	158.2	196.9	252.8	307.0	376.0	448.4	518.2	598.1
57.5°	90.3	123.7	161.9	209.4	271.6	337.0	421.3	502.9	594.9	686.0	775.6
55°	116.4	158.2	209.4	277.9	355.1	448.6	544.3	650.5	753.2	862.9	968.0
52.5°	147.4	196.9	271.6	355.1	457.8	566.6	684.1	803.4	926.1	1043.1	1151.9
50°	177.4	252.8	337.0	448.6	566.6	695.4	828.7	964.4	1092.5	1214.2	1315.4
47.5°	221.8	307.0	421.3	544.3	684.1	828.7	977.2	1117.4	1251.9	1354.4	1450.0
45°	269.7	376.0	502.9	650.5	803.4	964.4	1117.4	1264.6	1374.0	1474.7	1553.9
42.5°	315.7	448.4	594.9	753.2	926.1	1092.5	1251.9	1374.0	1482.4	1569.7	1669.5
40°	376.8	518.2	686.0	862.9	1043.1	1214.2	1354.4	1474.7	1569.7	1680.1	1798.6
37.5°	437.3	598.1	775.6	968.0	1151.9	1315.4	1450.0	1553.9	1669.5	1798.6	1972.9
35°	494.7	674.1	867.9	1065.9	1255.7	1400.9	1522.7	1637.7	1776.9	1957.2	2137.2
32.5°	555.7	745.9	955.2	1157.1	1333.2	1476.5	1590.5	1733.9	1910.5	2108.6	2283.7
30°	617.0	820.4	1036.4	1242.9	1404.3	1536.1	1670.4	1833.6	2048.2	2240.0	2457.2
27.5°	674.1	890.4	1110.0	1309.4	1467.8	1592.0	1750.2	1954.8	2168.1	2375.6	2639.4
25°	726.9	955.2	1178.2	1366.2	1515.8	1656.3	1833.0	2067.9	2276.8	2535.6	3514.2
22.5°	777.8	1014.4	1240.7	1418.4	1559.9	1719.7	1929.8	2162.9	2393.5	2720.7	4512.7
20°	826.3	1065.9	1289.6	1463.7	1599.9	1777.3	2017.9	2248.0	2519.7	3572.7	5768.8
17.5°	869.5	1111.8	1328.1	1496.5	1645.3	1839.0	2095.5	2324.5	2633.3	4341.2	7063.9
15°	907.3	1151.9	1361.9	1525.3	1686.8	1902.9	2157.5	2413.5	3030.0	5130.0	8218.1
12.5°	939.4	1186.1	1390.7	1549.8	1722.4	1957.6	2210.7	2492.8	3569.4	6043.5	9388.3
10°	965.8	1214.2	1414.4	1570.0	1751.7	2002.7	2254.7	2558.5	4016.8	6802.5	10362.8
7.5°	986.5	1236.2	1432.9	1585.8	1774.7	2038.1	2289.2	2610.1	4368.7	7400.4	11131.9
5°	1001.3	1251.9	1446.2	1597.2	1791.2	2063.6	2314.0	2647.2	4622.1	7831.6	11687.4
2.5°	1010.2	1261.4	1454.2	1604.0	1801.1	2078.9	2328.9	2669.6	4775.1	8092.1	12023.2
0°	1013.2	1264.6	1456.9	1606.3	1804.4	2084.0	2333.9	2677.1	4826.2	8179.2	12135.6
-2.5°	1010.2	1261.4	1454.2	1604.0	1801.1	2078.9	2328.9	2669.6	4775.1	8092.1	12023.2
-5°	1001.3	1251.9	1446.2	1597.2	1791.2	2063.6	2314.0	2647.2	4622.1	7831.6	11687.4
-7.5°	986.5	1236.2	1432.9	1585.8	1774.7	2038.1	2289.2	2610.1	4368.7	7400.4	11131.9
-10°	965.8	1214.2	1414.4	1570.0	1751.7	2002.7	2254.7	2558.5	4016.8	6802.5	10362.8
-12.5°	939.4	1186.1	1390.7	1549.8	1722.4	1957.6	2210.7	2492.8	3569.4	6043.5	9388.3
-15°	907.3	1151.9	1361.9	1525.3	1686.8	1902.9	2157.5	2413.5	3030.0	5130.0	8218.1
-17.5°	869.5	1111.8	1328.1	1496.5	1645.3	1839.0	2095.5	2324.5	2633.3	4341.2	7063.9
-20°	826.3	1065.9	1289.6	1463.7	1599.9	1777.3	2017.9	2248.0	2519.7	3572.7	5768.8



REPORT NUMBER: P731261 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	777.8	1014.4	1240.7	1418.4	1559.9	1719.7	1929.8	2162.9	2393.5	2720.7	4512.7
-25°	726.9	955.2	1178.2	1366.2	1515.8	1656.3	1833.0	2067.9	2276.8	2535.6	3514.2
-27.5°	674.1	890.4	1110.0	1309.4	1467.8	1592.0	1750.2	1954.8	2168.1	2375.6	2639.4
-30°	617.0	820.4	1036.4	1242.9	1404.3	1536.1	1670.4	1833.6	2048.2	2240.0	2457.2
-32.5°	555.7	745.9	955.2	1157.1	1333.2	1476.5	1590.5	1733.9	1910.5	2108.6	2283.7
-35°	494.7	674.1	867.9	1065.9	1255.7	1400.9	1522.7	1637.7	1776.9	1957.2	2137.2
-37.5°	437.3	598.1	775.6	968.0	1151.9	1315.4	1450.0	1553.9	1669.5	1798.6	1972.9
-40°	376.8	518.2	686.0	862.9	1043.1	1214.2	1354.4	1474.7	1569.7	1680.1	1798.6
-42.5°	315.7	448.4	594.9	753.2	926.1	1092.5	1251.9	1374.0	1482.4	1569.7	1669.5
-45°	269.7	376.0	502.9	650.5	803.4	964.4	1117.4	1264.6	1374.0	1474.7	1553.9
-47.5°	221.8	307.0	421.3	544.3	684.1	828.7	977.2	1117.4	1251.9	1354.4	1450.0
-50°	177.4	252.8	337.0	448.6	566.6	695.4	828.7	964.4	1092.5	1214.2	1315.4
-52.5°	147.4	196.9	271.6	355.1	457.8	566.6	684.1	803.4	926.1	1043.1	1151.9
-55°	116.4	158.2	209.4	277.9	355.1	448.6	544.3	650.5	753.2	862.9	968.0
-57.5°	90.3	123.7	161.9	209.4	271.6	337.0	421.3	502.9	594.9	686.0	775.6
-60°	66.9	92.9	123.7	158.2	196.9	252.8	307.0	376.0	448.4	518.2	598.1
-62.5°	45.5	66.9	90.3	116.4	147.4	177.4	221.8	269.7	315.7	376.8	437.3
-65°	35.5	44.5	61.7	82.6	102.9	129.4	155.8	181.3	220.6	260.5	298.7
-67.5°	25.4	33.4	41.3	51.4	69.7	87.5	104.6	127.4	149.4	170.4	194.4
-70°	21.0	23.2	29.3	36.1	42.7	51.9	67.1	81.8	95.9	111.0	128.8
-72.5°	17.7	19.7	21.6	23.5	28.9	34.5	40.0	45.2	54.4	66.2	77.3
-75°	14.4	16.1	17.8	19.4	20.9	22.4	24.4	28.8	33.1	37.3	41.2
-77.5°	11.1	12.5	13.9	15.2	16.5	17.8	19.0	20.2	21.3	22.3	23.4
-80°	8.2	8.9	9.9	11.0	12.1	13.1	14.0	15.0	15.9	16.7	17.5
-82.5°	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.8	10.4	11.1	11.7
-85°	4.1	4.4	4.7	5.1	5.4	5.7	6.0	6.3	6.5	6.8	7.0
-87.5°	2.0	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.2	3.4	3.5
-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: P731261 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-HEG

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°	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.3
85°	7.3	7.5	7.7	7.9	8.1	8.2	8.4	8.5	8.6	8.7	8.8
82.5°	12.3	12.8	13.3	13.8	14.2	14.6	15.0	15.3	15.5	15.8	16.0
80°	18.3	19.0	19.7	20.3	20.9	21.4	21.9	22.3	22.7	23.0	23.2
77.5°	25.7	28.6	31.3	33.8	36.1	38.2	40.1	41.8	43.2	44.5	45.5
75°	44.8	49.8	57.7	65.1	71.9	78.1	83.7	88.6	92.9	96.6	99.6
72.5°	87.9	97.9	108.0	120.0	131.0	141.1	150.2	158.2	165.3	171.2	176.1
70°	145.6	161.4	176.3	193.6	215.3	235.0	252.8	268.6	282.4	294.1	303.8
67.5°	226.8	257.3	285.9	312.5	343.9	376.0	405.0	430.8	453.2	472.4	488.1
65°	340.9	389.8	435.7	478.4	518.2	561.6	600.8	635.6	666.1	692.0	713.3
62.5°	494.7	555.7	617.0	674.1	726.9	777.8	826.3	869.5	907.3	939.4	965.8
60°	674.1	745.9	820.4	890.4	955.2	1014.4	1065.9	1111.8	1151.9	1186.1	1214.2
57.5°	867.9	955.2	1036.4	1110.0	1178.2	1240.7	1289.6	1328.1	1361.9	1390.7	1414.4
55°	1065.9	1157.1	1242.9	1309.4	1366.2	1418.4	1463.7	1496.5	1525.3	1549.8	1570.0
52.5°	1255.7	1333.2	1404.3	1467.8	1515.8	1559.9	1599.9	1645.3	1686.8	1722.4	1751.7
50°	1400.9	1476.5	1536.1	1592.0	1656.3	1719.7	1777.3	1839.0	1902.9	1957.6	2002.7
47.5°	1522.7	1590.5	1670.4	1750.2	1833.0	1929.8	2017.9	2095.5	2157.5	2210.7	2254.7
45°	1637.7	1733.9	1833.6	1954.8	2067.9	2162.9	2248.0	2324.5	2413.5	2492.8	2558.5
42.5°	1776.9	1910.5	2048.2	2168.1	2276.8	2393.5	2519.7	2633.3	3030.0	3569.4	4016.8
40°	1957.2	2108.6	2240.0	2375.6	2535.6	2720.7	3572.7	4341.2	5130.0	6043.5	6802.5
37.5°	2137.2	2283.7	2457.2	2639.4	3514.2	4512.7	5768.8	7063.9	8218.1	9388.3	10362.8
35°	2298.4	2498.5	2837.5	4054.1	5411.8	7083.0	8703.9	10353.9	11821.5	13189.7	14358.6
32.5°	2498.5	2970.7	4327.4	6067.9	7979.6	10057.2	12012.9	13962.5	15714.0	17344.4	18804.9
30°	2837.5	4327.4	6288.6	8480.2	10885.5	13251.0	15566.8	17858.7	20034.2	22006.2	23863.0
27.5°	4054.1	6067.9	8480.2	11164.5	13886.6	16560.5	19410.9	22120.9	24867.3	27276.4	29755.9
25°	5411.8	7979.6	10885.5	13886.6	16941.2	20202.0	23553.3	26845.6	30388.2	33599.8	37447.6
22.5°	7083.0	10057.2	13251.0	16560.5	20202.0	24037.6	27983.0	32319.6	37368.7	42891.9	48461.6
20°	8703.9	12012.9	15566.8	19410.9	23553.3	27983.0	32974.6	39531.3	46619.2	55063.5	62803.4
17.5°	10353.9	13962.5	17858.7	22120.9	26845.6	32319.6	39531.3	48233.2	58486.2	69917.5	80571.3
15°	11821.5	15714.0	20034.2	24867.3	30388.2	37368.7	46619.2	58486.2	72357.6	87205.4	102772.7
12.5°	13189.7	17344.4	22006.2	27276.4	33599.8	42891.9	55063.5	69917.5	87205.4	106553.7	120870.0
10°	14358.6	18804.9	23863.0	29755.9	37447.6	48461.6	62803.4	80571.3	102772.7	120870.0	135620.0
7.5°	15283.2	19963.2	25340.7	31739.4	40888.8	53784.6	70611.0	91868.7	114253.1	132386.7	146888.9
5°	15952.3	20803.3	26415.4	33186.8	43411.2	57708.8	76411.5	100496.0	122278.0	140284.5	154926.0
2.5°	16357.3	21312.6	27068.1	34068.3	44952.1	60116.3	79990.8	105863.3	127330.7	145130.8	160074.1
0°	16492.9	21483.3	27287.1	34364.3	45470.5	60928.1	81201.5	107686.9	129059.2	146737.7	161894.2
-2.5°	16357.3	21312.6	27068.1	34068.3	44952.1	60116.3	79990.8	105863.3	127330.7	145130.8	160074.1
-5°	15952.3	20803.3	26415.4	33186.8	43411.2	57708.8	76411.5	100496.0	122278.0	140284.5	154926.0
-7.5°	15283.2	19963.2	25340.7	31739.4	40888.8	53784.6	70611.0	91868.7	114253.1	132386.7	146888.9
-10°	14358.6	18804.9	23863.0	29755.9	37447.6	48461.6	62803.4	80571.3	102772.7	120870.0	135620.0
-12.5°	13189.7	17344.4	22006.2	27276.4	33599.8	42891.9	55063.5	69917.5	87205.4	106553.7	120870.0
-15°	11821.5	15714.0	20034.2	24867.3	30388.2	37368.7	46619.2	58486.2	72357.6	87205.4	102772.7
-17.5°	10353.9	13962.5	17858.7	22120.9	26845.6	32319.6	39531.3	48233.2	58486.2	69917.5	80571.3
-20°	8703.9	12012.9	15566.8	19410.9	23553.3	27983.0	32974.6	39531.3	46619.2	55063.5	62803.4



REPORT NUMBER: P731261 (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°	7083.0	10057.2	13251.0	16560.5	20202.0	24037.6	27983.0	32319.6	37368.7	42891.9	48461.6
-25°	5411.8	7979.6	10885.5	13886.6	16941.2	20202.0	23553.3	26845.6	30388.2	33599.8	37447.6
-27.5°	4054.1	6067.9	8480.2	11164.5	13886.6	16560.5	19410.9	22120.9	24867.3	27276.4	29755.9
-30°	2837.5	4327.4	6288.6	8480.2	10885.5	13251.0	15566.8	17858.7	20034.2	22006.2	23863.0
-32.5°	2498.5	2970.7	4327.4	6067.9	7979.6	10057.2	12012.9	13962.5	15714.0	17344.4	18804.9
-35°	2298.4	2498.5	2837.5	4054.1	5411.8	7083.0	8703.9	10353.9	11821.5	13189.7	14358.6
-37.5°	2137.2	2283.7	2457.2	2639.4	3514.2	4512.7	5768.8	7063.9	8218.1	9388.3	10362.8
-40°	1957.2	2108.6	2240.0	2375.6	2535.6	2720.7	3572.7	4341.2	5130.0	6043.5	6802.5
-42.5°	1776.9	1910.5	2048.2	2168.1	2276.8	2393.5	2519.7	2633.3	3030.0	3569.4	4016.8
-45°	1637.7	1733.9	1833.6	1954.8	2067.9	2162.9	2248.0	2324.5	2413.5	2492.8	2558.5
-47.5°	1522.7	1590.5	1670.4	1750.2	1833.0	1929.8	2017.9	2095.5	2157.5	2210.7	2254.7
-50°	1400.9	1476.5	1536.1	1592.0	1656.3	1719.7	1777.3	1839.0	1902.9	1957.6	2002.7
-52.5°	1255.7	1333.2	1404.3	1467.8	1515.8	1559.9	1599.9	1645.3	1686.8	1722.4	1751.7
-55°	1065.9	1157.1	1242.9	1309.4	1366.2	1418.4	1463.7	1496.5	1525.3	1549.8	1570.0
-57.5°	867.9	955.2	1036.4	1110.0	1178.2	1240.7	1289.6	1328.1	1361.9	1390.7	1414.4
-60°	674.1	745.9	820.4	890.4	955.2	1014.4	1065.9	1111.8	1151.9	1186.1	1214.2
-62.5°	494.7	555.7	617.0	674.1	726.9	777.8	826.3	869.5	907.3	939.4	965.8
-65°	340.9	389.8	435.7	478.4	518.2	561.6	600.8	635.6	666.1	692.0	713.3
-67.5°	226.8	257.3	285.9	312.5	343.9	376.0	405.0	430.8	453.2	472.4	488.1
-70°	145.6	161.4	176.3	193.6	215.3	235.0	252.8	268.6	282.4	294.1	303.8
-72.5°	87.9	97.9	108.0	120.0	131.0	141.1	150.2	158.2	165.3	171.2	176.1
-75°	44.8	49.8	57.7	65.1	71.9	78.1	83.7	88.6	92.9	96.6	99.6
-77.5°	25.7	28.6	31.3	33.8	36.1	38.2	40.1	41.8	43.2	44.5	45.5
-80°	18.3	19.0	19.7	20.3	20.9	21.4	21.9	22.3	22.7	23.0	23.2
-82.5°	12.3	12.8	13.3	13.8	14.2	14.6	15.0	15.3	15.5	15.8	16.0
-85°	7.3	7.5	7.7	7.9	8.1	8.2	8.4	8.5	8.6	8.7	8.8
-87.5°	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.3
-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: P731261 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-HEG

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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.2
85°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
82.5°	16.1	16.2	16.3	16.3	16.3	16.2	16.1	16.0	15.8	15.5	15.3
80°	23.4	23.6	23.7	23.7	23.7	23.6	23.4	23.2	23.0	22.7	22.3
77.5°	46.3	46.8	47.2	47.3	47.2	46.8	46.3	45.5	44.5	43.2	41.8
75°	102.0	103.7	104.7	105.0	104.7	103.7	102.0	99.6	96.6	92.9	88.6
72.5°	180.0	182.7	184.4	184.9	184.4	182.7	180.0	176.1	171.2	165.3	158.2
70°	311.3	316.7	319.9	321.0	319.9	316.7	311.3	303.8	294.1	282.4	268.6
67.5°	500.4	509.2	514.4	516.2	514.4	509.2	500.4	488.1	472.4	453.2	430.8
65°	729.9	741.8	749.0	751.4	749.0	741.8	729.9	713.3	692.0	666.1	635.6
62.5°	986.5	1001.3	1010.2	1013.2	1010.2	1001.3	986.5	965.8	939.4	907.3	869.5
60°	1236.2	1251.9	1261.4	1264.6	1261.4	1251.9	1236.2	1214.2	1186.1	1151.9	1111.8
57.5°	1432.9	1446.2	1454.2	1456.9	1454.2	1446.2	1432.9	1414.4	1390.7	1361.9	1328.1
55°	1585.8	1597.2	1604.0	1606.3	1604.0	1597.2	1585.8	1570.0	1549.8	1525.3	1496.5
52.5°	1774.7	1791.2	1801.1	1804.4	1801.1	1791.2	1774.7	1751.7	1722.4	1686.8	1645.3
50°	2038.1	2063.6	2078.9	2084.0	2078.9	2063.6	2038.1	2002.7	1957.6	1902.9	1839.0
47.5°	2289.2	2314.0	2328.9	2333.9	2328.9	2314.0	2289.2	2254.7	2210.7	2157.5	2095.5
45°	2610.1	2647.2	2669.6	2677.1	2669.6	2647.2	2610.1	2558.5	2492.8	2413.5	2324.5
42.5°	4368.7	4622.1	4775.1	4826.2	4775.1	4622.1	4368.7	4016.8	3569.4	3030.0	2633.3
40°	7400.4	7831.6	8092.1	8179.2	8092.1	7831.6	7400.4	6802.5	6043.5	5130.0	4341.2
37.5°	11131.9	11687.4	12023.2	12135.6	12023.2	11687.4	11131.9	10362.8	9388.3	8218.1	7063.9
35°	15283.2	15952.3	16357.3	16492.9	16357.3	15952.3	15283.2	14358.6	13189.7	11821.5	10353.9
32.5°	19963.2	20803.3	21312.6	21483.3	21312.6	20803.3	19963.2	18804.9	17344.4	15714.0	13962.5
30°	25340.7	26415.4	27068.1	27287.1	27068.1	26415.4	25340.7	23863.0	22006.2	20034.2	17858.7
27.5°	31739.4	33186.8	34068.3	34364.3	34068.3	33186.8	31739.4	29755.9	27276.4	24867.3	22120.9
25°	40888.8	43411.2	44952.1	45470.5	44952.1	43411.2	40888.8	37447.6	33599.8	30388.2	26845.6
22.5°	53784.6	57708.8	60116.3	60928.1	60116.3	57708.8	53784.6	48461.6	42891.9	37368.7	32319.6
20°	70611.0	76411.5	79990.8	81201.5	79990.8	76411.5	70611.0	62803.4	55063.5	46619.2	39531.3
17.5°	91868.7	100496.0	105863.3	107686.9	105863.3	100496.0	91868.7	80571.3	69917.5	58486.2	48233.2
15°	114253.1	122278.0	127330.7	129059.2	127330.7	122278.0	114253.1	102772.7	87205.4	72357.6	58486.2
12.5°	132386.7	140284.5	145130.8	146737.7	145130.8	140284.5	132386.7	120870.0	106553.7	87205.4	69917.5
10°	146888.9	154926.0	160074.1	161894.2	160074.1	154926.0	146888.9	135620.0	120870.0	102772.7	80571.3
7.5°	158361.2	167432.7	172927.1	174882.6	172927.1	167432.7	158361.2	146888.9	132386.7	114253.1	91868.7
5°	167432.7	176983.3	183486.6	185775.0	183486.6	176983.3	167432.7	154926.0	140284.5	122278.0	100496.0
2.5°	172927.1	183486.6	189768.8	191573.7	189768.8	183486.6	172927.1	160074.1	145130.8	127330.7	105863.3
0°	174882.6	185775.0	191573.7	192395.3	191573.7	185775.0	174882.6	161894.2	146737.7	129059.2	107686.9
-2.5°	172927.1	183486.6	189768.8	191573.7	189768.8	183486.6	172927.1	160074.1	145130.8	127330.7	105863.3
-5°	167432.7	176983.3	183486.6	185775.0	183486.6	176983.3	167432.7	154926.0	140284.5	122278.0	100496.0
-7.5°	158361.2	167432.7	172927.1	174882.6	172927.1	167432.7	158361.2	146888.9	132386.7	114253.1	91868.7
-10°	146888.9	154926.0	160074.1	161894.2	160074.1	154926.0	146888.9	135620.0	120870.0	102772.7	80571.3
-12.5°	132386.7	140284.5	145130.8	146737.7	145130.8	140284.5	132386.7	120870.0	106553.7	87205.4	69917.5
-15°	114253.1	122278.0	127330.7	129059.2	127330.7	122278.0	114253.1	102772.7	87205.4	72357.6	58486.2
-17.5°	91868.7	100496.0	105863.3	107686.9	105863.3	100496.0	91868.7	80571.3	69917.5	58486.2	48233.2
-20°	70611.0	76411.5	79990.8	81201.5	79990.8	76411.5	70611.0	62803.4	55063.5	46619.2	39531.3



REPORT NUMBER: P731261 (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°	53784.6	57708.8	60116.3	60928.1	60116.3	57708.8	53784.6	48461.6	42891.9	37368.7	32319.6
-25°	40888.8	43411.2	44952.1	45470.5	44952.1	43411.2	40888.8	37447.6	33599.8	30388.2	26845.6
-27.5°	31739.4	33186.8	34068.3	34364.3	34068.3	33186.8	31739.4	29755.9	27276.4	24867.3	22120.9
-30°	25340.7	26415.4	27068.1	27287.1	27068.1	26415.4	25340.7	23863.0	22006.2	20034.2	17858.7
-32.5°	19963.2	20803.3	21312.6	21483.3	21312.6	20803.3	19963.2	18804.9	17344.4	15714.0	13962.5
-35°	15283.2	15952.3	16357.3	16492.9	16357.3	15952.3	15283.2	14358.6	13189.7	11821.5	10353.9
-37.5°	11131.9	11687.4	12023.2	12135.6	12023.2	11687.4	11131.9	10362.8	9388.3	8218.1	7063.9
-40°	7400.4	7831.6	8092.1	8179.2	8092.1	7831.6	7400.4	6802.5	6043.5	5130.0	4341.2
-42.5°	4368.7	4622.1	4775.1	4826.2	4775.1	4622.1	4368.7	4016.8	3569.4	3030.0	2633.3
-45°	2610.1	2647.2	2669.6	2677.1	2669.6	2647.2	2610.1	2558.5	2492.8	2413.5	2324.5
-47.5°	2289.2	2314.0	2328.9	2333.9	2328.9	2314.0	2289.2	2254.7	2210.7	2157.5	2095.5
-50°	2038.1	2063.6	2078.9	2084.0	2078.9	2063.6	2038.1	2002.7	1957.6	1902.9	1839.0
-52.5°	1774.7	1791.2	1801.1	1804.4	1801.1	1791.2	1774.7	1751.7	1722.4	1686.8	1645.3
-55°	1585.8	1597.2	1604.0	1606.3	1604.0	1597.2	1585.8	1570.0	1549.8	1525.3	1496.5
-57.5°	1432.9	1446.2	1454.2	1456.9	1454.2	1446.2	1432.9	1414.4	1390.7	1361.9	1328.1
-60°	1236.2	1251.9	1261.4	1264.6	1261.4	1251.9	1236.2	1214.2	1186.1	1151.9	1111.8
-62.5°	986.5	1001.3	1010.2	1013.2	1010.2	1001.3	986.5	965.8	939.4	907.3	869.5
-65°	729.9	741.8	749.0	751.4	749.0	741.8	729.9	713.3	692.0	666.1	635.6
-67.5°	500.4	509.2	514.4	516.2	514.4	509.2	500.4	488.1	472.4	453.2	430.8
-70°	311.3	316.7	319.9	321.0	319.9	316.7	311.3	303.8	294.1	282.4	268.6
-72.5°	180.0	182.7	184.4	184.9	184.4	182.7	180.0	176.1	171.2	165.3	158.2
-75°	102.0	103.7	104.7	105.0	104.7	103.7	102.0	99.6	96.6	92.9	88.6
-77.5°	46.3	46.8	47.2	47.3	47.2	46.8	46.3	45.5	44.5	43.2	41.8
-80°	23.4	23.6	23.7	23.7	23.7	23.6	23.4	23.2	23.0	22.7	22.3
-82.5°	16.1	16.2	16.3	16.3	16.3	16.2	16.1	16.0	15.8	15.5	15.3
-85°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
-87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.2
-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):

	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°	4.1	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1
85°	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.0	6.8	6.5	6.3
82.5°	15.0	14.6	14.2	13.8	13.3	12.8	12.3	11.7	11.1	10.4	9.8
80°	21.9	21.4	20.9	20.3	19.7	19.0	18.3	17.5	16.7	15.9	15.0
77.5°	40.1	38.2	36.1	33.8	31.3	28.6	25.7	23.4	22.3	21.3	20.2
75°	83.7	78.1	71.9	65.1	57.7	49.8	44.8	41.2	37.3	33.1	28.8
72.5°	150.2	141.1	131.0	120.0	108.0	97.9	87.9	77.3	66.2	54.4	45.2
70°	252.8	235.0	215.3	193.6	176.3	161.4	145.6	128.8	111.0	95.9	81.8
67.5°	405.0	376.0	343.9	312.5	285.9	257.3	226.8	194.4	170.4	149.4	127.4
65°	600.8	561.6	518.2	478.4	435.7	389.8	340.9	298.7	260.5	220.6	181.3
62.5°	826.3	777.8	726.9	674.1	617.0	555.7	494.7	437.3	376.8	315.7	269.7
60°	1065.9	1014.4	955.2	890.4	820.4	745.9	674.1	598.1	518.2	448.4	376.0
57.5°	1289.6	1240.7	1178.2	1110.0	1036.4	955.2	867.9	775.6	686.0	594.9	502.9
55°	1463.7	1418.4	1366.2	1309.4	1242.9	1157.1	1065.9	968.0	862.9	753.2	650.5
52.5°	1599.9	1559.9	1515.8	1467.8	1404.3	1333.2	1255.7	1151.9	1043.1	926.1	803.4
50°	1777.3	1719.7	1656.3	1592.0	1536.1	1476.5	1400.9	1315.4	1214.2	1092.5	964.4
47.5°	2017.9	1929.8	1833.0	1750.2	1670.4	1590.5	1522.7	1450.0	1354.4	1251.9	1117.4
45°	2248.0	2162.9	2067.9	1954.8	1833.6	1733.9	1637.7	1553.9	1474.7	1374.0	1264.6
42.5°	2519.7	2393.5	2276.8	2168.1	2048.2	1910.5	1776.9	1669.5	1569.7	1482.4	1374.0
40°	3572.7	2720.7	2535.6	2375.6	2240.0	2108.6	1957.2	1798.6	1680.1	1569.7	1474.7
37.5°	5768.8	4512.7	3514.2	2639.4	2457.2	2283.7	2137.2	1972.9	1798.6	1669.5	1553.9
35°	8703.9	7083.0	5411.8	4054.1	2837.5	2498.5	2298.4	2137.2	1957.2	1776.9	1637.7
32.5°	12012.9	10057.2	7979.6	6067.9	4327.4	2970.7	2498.5	2283.7	2108.6	1910.5	1733.9
30°	15566.8	13251.0	10885.5	8480.2	6288.6	4327.4	2837.5	2457.2	2240.0	2048.2	1833.6
27.5°	19410.9	16560.5	13886.6	11164.5	8480.2	6067.9	4054.1	2639.4	2375.6	2168.1	1954.8
25°	23553.3	20202.0	16941.2	13886.6	10885.5	7979.6	5411.8	3514.2	2535.6	2276.8	2067.9
22.5°	27983.0	24037.6	20202.0	16560.5	13251.0	10057.2	7083.0	4512.7	2720.7	2393.5	2162.9
20°	32974.6	27983.0	23553.3	19410.9	15566.8	12012.9	8703.9	5768.8	3572.7	2519.7	2248.0
17.5°	39531.3	32319.6	26845.6	22120.9	17858.7	13962.5	10353.9	7063.9	4341.2	2633.3	2324.5
15°	46619.2	37368.7	30388.2	24867.3	20034.2	15714.0	11821.5	8218.1	5130.0	3030.0	2413.5
12.5°	55063.5	42891.9	33599.8	27276.4	22006.2	17344.4	13189.7	9388.3	6043.5	3569.4	2492.8
10°	62803.4	48461.6	37447.6	29755.9	23863.0	18804.9	14358.6	10362.8	6802.5	4016.8	2558.5
7.5°	70611.0	53784.6	40888.8	31739.4	25340.7	19963.2	15283.2	11131.9	7400.4	4368.7	2610.1
5°	76411.5	57708.8	43411.2	33186.8	26415.4	20803.3	15952.3	11687.4	7831.6	4622.1	2647.2
2.5°	79990.8	60116.3	44952.1	34068.3	27068.1	21312.6	16357.3	12023.2	8092.1	4775.1	2669.6
0°	81201.5	60928.1	45470.5	34364.3	27287.1	21483.3	16492.9	12135.6	8179.2	4826.2	2677.1
-2.5°	79990.8	60116.3	44952.1	34068.3	27068.1	21312.6	16357.3	12023.2	8092.1	4775.1	2669.6
-5°	76411.5	57708.8	43411.2	33186.8	26415.4	20803.3	15952.3	11687.4	7831.6	4622.1	2647.2
-7.5°	70611.0	53784.6	40888.8	31739.4	25340.7	19963.2	15283.2	11131.9	7400.4	4368.7	2610.1
-10°	62803.4	48461.6	37447.6	29755.9	23863.0	18804.9	14358.6	10362.8	6802.5	4016.8	2558.5
-12.5°	55063.5	42891.9	33599.8	27276.4	22006.2	17344.4	13189.7	9388.3	6043.5	3569.4	2492.8
-15°	46619.2	37368.7	30388.2	24867.3	20034.2	15714.0	11821.5	8218.1	5130.0	3030.0	2413.5
-17.5°	39531.3	32319.6	26845.6	22120.9	17858.7	13962.5	10353.9	7063.9	4341.2	2633.3	2324.5
-20°	32974.6	27983.0	23553.3	19410.9	15566.8	12012.9	8703.9	5768.8	3572.7	2519.7	2248.0



REPORT NUMBER: P731261 (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°	27983.0	24037.6	20202.0	16560.5	13251.0	10057.2	7083.0	4512.7	2720.7	2393.5	2162.9
-25°	23553.3	20202.0	16941.2	13886.6	10885.5	7979.6	5411.8	3514.2	2535.6	2276.8	2067.9
-27.5°	19410.9	16560.5	13886.6	11164.5	8480.2	6067.9	4054.1	2639.4	2375.6	2168.1	1954.8
-30°	15566.8	13251.0	10885.5	8480.2	6288.6	4327.4	2837.5	2457.2	2240.0	2048.2	1833.6
-32.5°	12012.9	10057.2	7979.6	6067.9	4327.4	2970.7	2498.5	2283.7	2108.6	1910.5	1733.9
-35°	8703.9	7083.0	5411.8	4054.1	2837.5	2498.5	2298.4	2137.2	1957.2	1776.9	1637.7
-37.5°	5768.8	4512.7	3514.2	2639.4	2457.2	2283.7	2137.2	1972.9	1798.6	1669.5	1553.9
-40°	3572.7	2720.7	2535.6	2375.6	2240.0	2108.6	1957.2	1798.6	1680.1	1569.7	1474.7
-42.5°	2519.7	2393.5	2276.8	2168.1	2048.2	1910.5	1776.9	1669.5	1569.7	1482.4	1374.0
-45°	2248.0	2162.9	2067.9	1954.8	1833.6	1733.9	1637.7	1553.9	1474.7	1374.0	1264.6
-47.5°	2017.9	1929.8	1833.0	1750.2	1670.4	1590.5	1522.7	1450.0	1354.4	1251.9	1117.4
-50°	1777.3	1719.7	1656.3	1592.0	1536.1	1476.5	1400.9	1315.4	1214.2	1092.5	964.4
-52.5°	1599.9	1559.9	1515.8	1467.8	1404.3	1333.2	1255.7	1151.9	1043.1	926.1	803.4
-55°	1463.7	1418.4	1366.2	1309.4	1242.9	1157.1	1065.9	968.0	862.9	753.2	650.5
-57.5°	1289.6	1240.7	1178.2	1110.0	1036.4	955.2	867.9	775.6	686.0	594.9	502.9
-60°	1065.9	1014.4	955.2	890.4	820.4	745.9	674.1	598.1	518.2	448.4	376.0
-62.5°	826.3	777.8	726.9	674.1	617.0	555.7	494.7	437.3	376.8	315.7	269.7
-65°	600.8	561.6	518.2	478.4	435.7	389.8	340.9	298.7	260.5	220.6	181.3
-67.5°	405.0	376.0	343.9	312.5	285.9	257.3	226.8	194.4	170.4	149.4	127.4
-70°	252.8	235.0	215.3	193.6	176.3	161.4	145.6	128.8	111.0	95.9	81.8
-72.5°	150.2	141.1	131.0	120.0	108.0	97.9	87.9	77.3	66.2	54.4	45.2
-75°	83.7	78.1	71.9	65.1	57.7	49.8	44.8	41.2	37.3	33.1	28.8
-77.5°	40.1	38.2	36.1	33.8	31.3	28.6	25.7	23.4	22.3	21.3	20.2
-80°	21.9	21.4	20.9	20.3	19.7	19.0	18.3	17.5	16.7	15.9	15.0
-82.5°	15.0	14.6	14.2	13.8	13.3	12.8	12.3	11.7	11.1	10.4	9.8
-85°	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.0	6.8	6.5	6.3
-87.5°	4.1	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1
-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: P731261 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-HEG

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°	3.0	2.8	2.7	2.5	2.4	2.2	2.0	1.9	1.7	1.5	1.3
85°	6.0	5.7	5.4	5.1	4.7	4.4	4.1	3.7	3.4	3.0	2.6
82.5°	9.1	8.6	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.5	4.0
80°	14.0	13.1	12.1	11.0	9.9	8.9	8.2	7.5	6.8	6.0	5.3
77.5°	19.0	17.8	16.5	15.2	13.9	12.5	11.1	9.6	8.5	7.5	6.6
75°	24.4	22.4	20.9	19.4	17.8	16.1	14.4	12.7	10.9	9.1	7.9
72.5°	40.0	34.5	28.9	23.5	21.6	19.7	17.7	15.7	13.7	11.6	9.5
70°	67.1	51.9	42.7	36.1	29.3	23.2	21.0	18.7	16.4	14.0	11.6
67.5°	104.6	87.5	69.7	51.4	41.3	33.4	25.4	21.6	19.0	16.4	13.7
65°	155.8	129.4	102.9	82.6	61.7	44.5	35.5	26.4	21.6	18.7	15.7
62.5°	221.8	177.4	147.4	116.4	90.3	66.9	45.5	35.5	25.4	21.0	17.7
60°	307.0	252.8	196.9	158.2	123.7	92.9	66.9	44.5	33.4	23.2	19.7
57.5°	421.3	337.0	271.6	209.4	161.9	123.7	90.3	61.7	41.3	29.3	21.6
55°	544.3	448.6	355.1	277.9	209.4	158.2	116.4	82.6	51.4	36.1	23.5
52.5°	684.1	566.6	457.8	355.1	271.6	196.9	147.4	102.9	69.7	42.7	28.9
50°	828.7	695.4	566.6	448.6	337.0	252.8	177.4	129.4	87.5	51.9	34.5
47.5°	977.2	828.7	684.1	544.3	421.3	307.0	221.8	155.8	104.6	67.1	40.0
45°	1117.4	964.4	803.4	650.5	502.9	376.0	269.7	181.3	127.4	81.8	45.2
42.5°	1251.9	1092.5	926.1	753.2	594.9	448.4	315.7	220.6	149.4	95.9	54.4
40°	1354.4	1214.2	1043.1	862.9	686.0	518.2	376.8	260.5	170.4	111.0	66.2
37.5°	1450.0	1315.4	1151.9	968.0	775.6	598.1	437.3	298.7	194.4	128.8	77.3
35°	1522.7	1400.9	1255.7	1065.9	867.9	674.1	494.7	340.9	226.8	145.6	87.9
32.5°	1590.5	1476.5	1333.2	1157.1	955.2	745.9	555.7	389.8	257.3	161.4	97.9
30°	1670.4	1536.1	1404.3	1242.9	1036.4	820.4	617.0	435.7	285.9	176.3	108.0
27.5°	1750.2	1592.0	1467.8	1309.4	1110.0	890.4	674.1	478.4	312.5	193.6	120.0
25°	1833.0	1656.3	1515.8	1366.2	1178.2	955.2	726.9	518.2	343.9	215.3	131.0
22.5°	1929.8	1719.7	1559.9	1418.4	1240.7	1014.4	777.8	561.6	376.0	235.0	141.1
20°	2017.9	1777.3	1599.9	1463.7	1289.6	1065.9	826.3	600.8	405.0	252.8	150.2
17.5°	2095.5	1839.0	1645.3	1496.5	1328.1	1111.8	869.5	635.6	430.8	268.6	158.2
15°	2157.5	1902.9	1686.8	1525.3	1361.9	1151.9	907.3	666.1	453.2	282.4	165.3
12.5°	2210.7	1957.6	1722.4	1549.8	1390.7	1186.1	939.4	692.0	472.4	294.1	171.2
10°	2254.7	2002.7	1751.7	1570.0	1414.4	1214.2	965.8	713.3	488.1	303.8	176.1
7.5°	2289.2	2038.1	1774.7	1585.8	1432.9	1236.2	986.5	729.9	500.4	311.3	180.0
5°	2314.0	2063.6	1791.2	1597.2	1446.2	1251.9	1001.3	741.8	509.2	316.7	182.7
2.5°	2328.9	2078.9	1801.1	1604.0	1454.2	1261.4	1010.2	749.0	514.4	319.9	184.4
0°	2333.9	2084.0	1804.4	1606.3	1456.9	1264.6	1013.2	751.4	516.2	321.0	184.9
-2.5°	2328.9	2078.9	1801.1	1604.0	1454.2	1261.4	1010.2	749.0	514.4	319.9	184.4
-5°	2314.0	2063.6	1791.2	1597.2	1446.2	1251.9	1001.3	741.8	509.2	316.7	182.7
-7.5°	2289.2	2038.1	1774.7	1585.8	1432.9	1236.2	986.5	729.9	500.4	311.3	180.0
-10°	2254.7	2002.7	1751.7	1570.0	1414.4	1214.2	965.8	713.3	488.1	303.8	176.1
-12.5°	2210.7	1957.6	1722.4	1549.8	1390.7	1186.1	939.4	692.0	472.4	294.1	171.2
-15°	2157.5	1902.9	1686.8	1525.3	1361.9	1151.9	907.3	666.1	453.2	282.4	165.3
-17.5°	2095.5	1839.0	1645.3	1496.5	1328.1	1111.8	869.5	635.6	430.8	268.6	158.2
-20°	2017.9	1777.3	1599.9	1463.7	1289.6	1065.9	826.3	600.8	405.0	252.8	150.2



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1929.8	1719.7	1559.9	1418.4	1240.7	1014.4	777.8	561.6	376.0	235.0	141.1
-25°	1833.0	1656.3	1515.8	1366.2	1178.2	955.2	726.9	518.2	343.9	215.3	131.0
-27.5°	1750.2	1592.0	1467.8	1309.4	1110.0	890.4	674.1	478.4	312.5	193.6	120.0
-30°	1670.4	1536.1	1404.3	1242.9	1036.4	820.4	617.0	435.7	285.9	176.3	108.0
-32.5°	1590.5	1476.5	1333.2	1157.1	955.2	745.9	555.7	389.8	257.3	161.4	97.9
-35°	1522.7	1400.9	1255.7	1065.9	867.9	674.1	494.7	340.9	226.8	145.6	87.9
-37.5°	1450.0	1315.4	1151.9	968.0	775.6	598.1	437.3	298.7	194.4	128.8	77.3
-40°	1354.4	1214.2	1043.1	862.9	686.0	518.2	376.8	260.5	170.4	111.0	66.2
-42.5°	1251.9	1092.5	926.1	753.2	594.9	448.4	315.7	220.6	149.4	95.9	54.4
-45°	1117.4	964.4	803.4	650.5	502.9	376.0	269.7	181.3	127.4	81.8	45.2
-47.5°	977.2	828.7	684.1	544.3	421.3	307.0	221.8	155.8	104.6	67.1	40.0
-50°	828.7	695.4	566.6	448.6	337.0	252.8	177.4	129.4	87.5	51.9	34.5
-52.5°	684.1	566.6	457.8	355.1	271.6	196.9	147.4	102.9	69.7	42.7	28.9
-55°	544.3	448.6	355.1	277.9	209.4	158.2	116.4	82.6	51.4	36.1	23.5
-57.5°	421.3	337.0	271.6	209.4	161.9	123.7	90.3	61.7	41.3	29.3	21.6
-60°	307.0	252.8	196.9	158.2	123.7	92.9	66.9	44.5	33.4	23.2	19.7
-62.5°	221.8	177.4	147.4	116.4	90.3	66.9	45.5	35.5	25.4	21.0	17.7
-65°	155.8	129.4	102.9	82.6	61.7	44.5	35.5	26.4	21.6	18.7	15.7
-67.5°	104.6	87.5	69.7	51.4	41.3	33.4	25.4	21.6	19.0	16.4	13.7
-70°	67.1	51.9	42.7	36.1	29.3	23.2	21.0	18.7	16.4	14.0	11.6
-72.5°	40.0	34.5	28.9	23.5	21.6	19.7	17.7	15.7	13.7	11.6	9.5
-75°	24.4	22.4	20.9	19.4	17.8	16.1	14.4	12.7	10.9	9.1	7.9
-77.5°	19.0	17.8	16.5	15.2	13.9	12.5	11.1	9.6	8.5	7.5	6.6
-80°	14.0	13.1	12.1	11.0	9.9	8.9	8.2	7.5	6.8	6.0	5.3
-82.5°	9.1	8.6	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.5	4.0
-85°	6.0	5.7	5.4	5.1	4.7	4.4	4.1	3.7	3.4	3.0	2.6
-87.5°	3.0	2.8	2.7	2.5	2.4	2.2	2.0	1.9	1.7	1.5	1.3
-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):

	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°	1.1	1.0	0.8	0.6	0.4	0.2	0.0
85°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
82.5°	3.4	2.8	2.3	1.7	1.1	0.6	0.0
80°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
77.5°	5.7	4.7	3.8	2.8	1.9	1.0	0.0
75°	6.8	5.7	4.5	3.4	2.3	1.1	0.0
72.5°	7.9	6.6	5.3	4.0	2.6	1.3	0.0
70°	9.1	7.5	6.0	4.5	3.0	1.5	0.0
67.5°	10.9	8.5	6.8	5.1	3.4	1.7	0.0
65°	12.7	9.6	7.5	5.6	3.7	1.9	0.0
62.5°	14.4	11.1	8.2	6.1	4.1	2.0	0.0
60°	16.1	12.5	8.9	6.6	4.4	2.2	0.0
57.5°	17.8	13.9	9.9	7.1	4.7	2.4	0.0
55°	19.4	15.2	11.0	7.6	5.1	2.5	0.0
52.5°	20.9	16.5	12.1	8.1	5.4	2.7	0.0
50°	22.4	17.8	13.1	8.6	5.7	2.8	0.0
47.5°	24.4	19.0	14.0	9.1	6.0	3.0	0.0
45°	28.8	20.2	15.0	9.8	6.3	3.1	0.0
42.5°	33.1	21.3	15.9	10.4	6.5	3.2	0.0
40°	37.3	22.3	16.7	11.1	6.8	3.4	0.0
37.5°	41.2	23.4	17.5	11.7	7.0	3.5	0.0
35°	44.8	25.7	18.3	12.3	7.3	3.6	0.0
32.5°	49.8	28.6	19.0	12.8	7.5	3.7	0.0
30°	57.7	31.3	19.7	13.3	7.7	3.8	0.0
27.5°	65.1	33.8	20.3	13.8	7.9	3.9	0.0
25°	71.9	36.1	20.9	14.2	8.1	4.0	0.0
22.5°	78.1	38.2	21.4	14.6	8.2	4.1	0.0
20°	83.7	40.1	21.9	15.0	8.4	4.1	0.0
17.5°	88.6	41.8	22.3	15.3	8.5	4.2	0.0
15°	92.9	43.2	22.7	15.5	8.6	4.2	0.0
12.5°	96.6	44.5	23.0	15.8	8.7	4.3	0.0
10°	99.6	45.5	23.2	16.0	8.8	4.3	0.0
7.5°	102.0	46.3	23.4	16.1	8.8	4.4	0.0
5°	103.7	46.8	23.6	16.2	8.9	4.4	0.0
2.5°	104.7	47.2	23.7	16.3	8.9	4.4	0.0
0°	105.0	47.3	23.7	16.3	8.9	4.4	0.0
-2.5°	104.7	47.2	23.7	16.3	8.9	4.4	0.0
-5°	103.7	46.8	23.6	16.2	8.9	4.4	0.0
-7.5°	102.0	46.3	23.4	16.1	8.8	4.4	0.0
-10°	99.6	45.5	23.2	16.0	8.8	4.3	0.0
-12.5°	96.6	44.5	23.0	15.8	8.7	4.3	0.0
-15°	92.9	43.2	22.7	15.5	8.6	4.2	0.0
-17.5°	88.6	41.8	22.3	15.3	8.5	4.2	0.0
-20°	83.7	40.1	21.9	15.0	8.4	4.1	0.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-4S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	78.1	38.2	21.4	14.6	8.2	4.1	0.0
-25°	71.9	36.1	20.9	14.2	8.1	4.0	0.0
-27.5°	65.1	33.8	20.3	13.8	7.9	3.9	0.0
-30°	57.7	31.3	19.7	13.3	7.7	3.8	0.0
-32.5°	49.8	28.6	19.0	12.8	7.5	3.7	0.0
-35°	44.8	25.7	18.3	12.3	7.3	3.6	0.0
-37.5°	41.2	23.4	17.5	11.7	7.0	3.5	0.0
-40°	37.3	22.3	16.7	11.1	6.8	3.4	0.0
-42.5°	33.1	21.3	15.9	10.4	6.5	3.2	0.0
-45°	28.8	20.2	15.0	9.8	6.3	3.1	0.0
-47.5°	24.4	19.0	14.0	9.1	6.0	3.0	0.0
-50°	22.4	17.8	13.1	8.6	5.7	2.8	0.0
-52.5°	20.9	16.5	12.1	8.1	5.4	2.7	0.0
-55°	19.4	15.2	11.0	7.6	5.1	2.5	0.0
-57.5°	17.8	13.9	9.9	7.1	4.7	2.4	0.0
-60°	16.1	12.5	8.9	6.6	4.4	2.2	0.0
-62.5°	14.4	11.1	8.2	6.1	4.1	2.0	0.0
-65°	12.7	9.6	7.5	5.6	3.7	1.9	0.0
-67.5°	10.9	8.5	6.8	5.1	3.4	1.7	0.0
-70°	9.1	7.5	6.0	4.5	3.0	1.5	0.0
-72.5°	7.9	6.6	5.3	4.0	2.6	1.3	0.0
-75°	6.8	5.7	4.5	3.4	2.3	1.1	0.0
-77.5°	5.7	4.7	3.8	2.8	1.9	1.0	0.0
-80°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
-82.5°	3.4	2.8	2.3	1.7	1.1	0.6	0.0
-85°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
-87.5°	1.1	1.0	0.8	0.6	0.4	0.2	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

