

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: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-5S-VHE-A**

Issue Date: 2/3/2026

Test Information

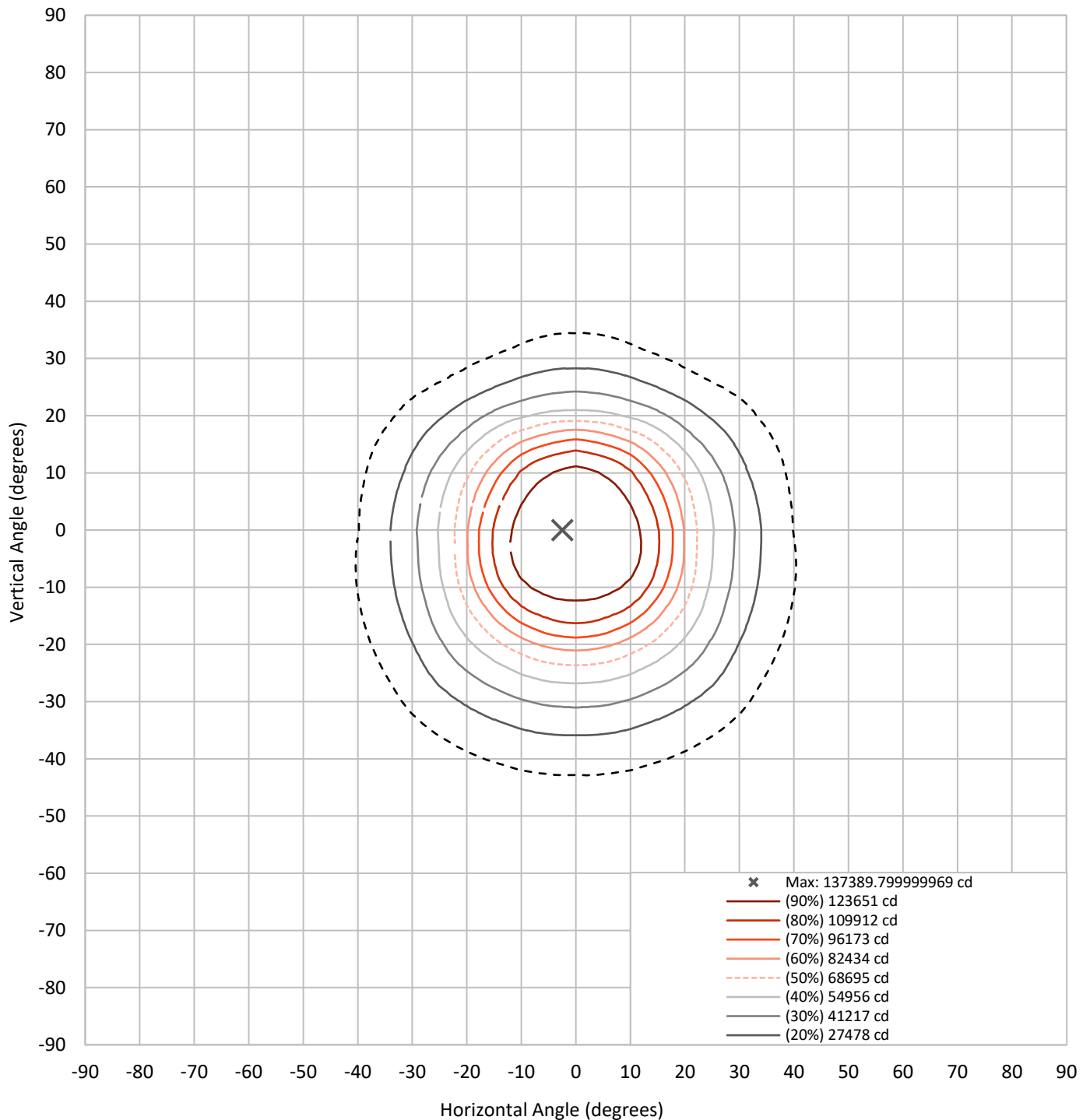
Test Method: LM-79-08
Report Number: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-40-70-5S-VHE-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	89459.4 lumens	Max Intensity:	137389.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	138.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	44.5°H x 42.5°V	Field Angle (10%):	79.6°H x 77.3°V
Beam Lumens:	49121.6 lumens	Field Lumens:	82202.2 lumens
Beam Efficiency:	54.9%	Field Efficiency:	91.9%
Input Watts (W):	648		
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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CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

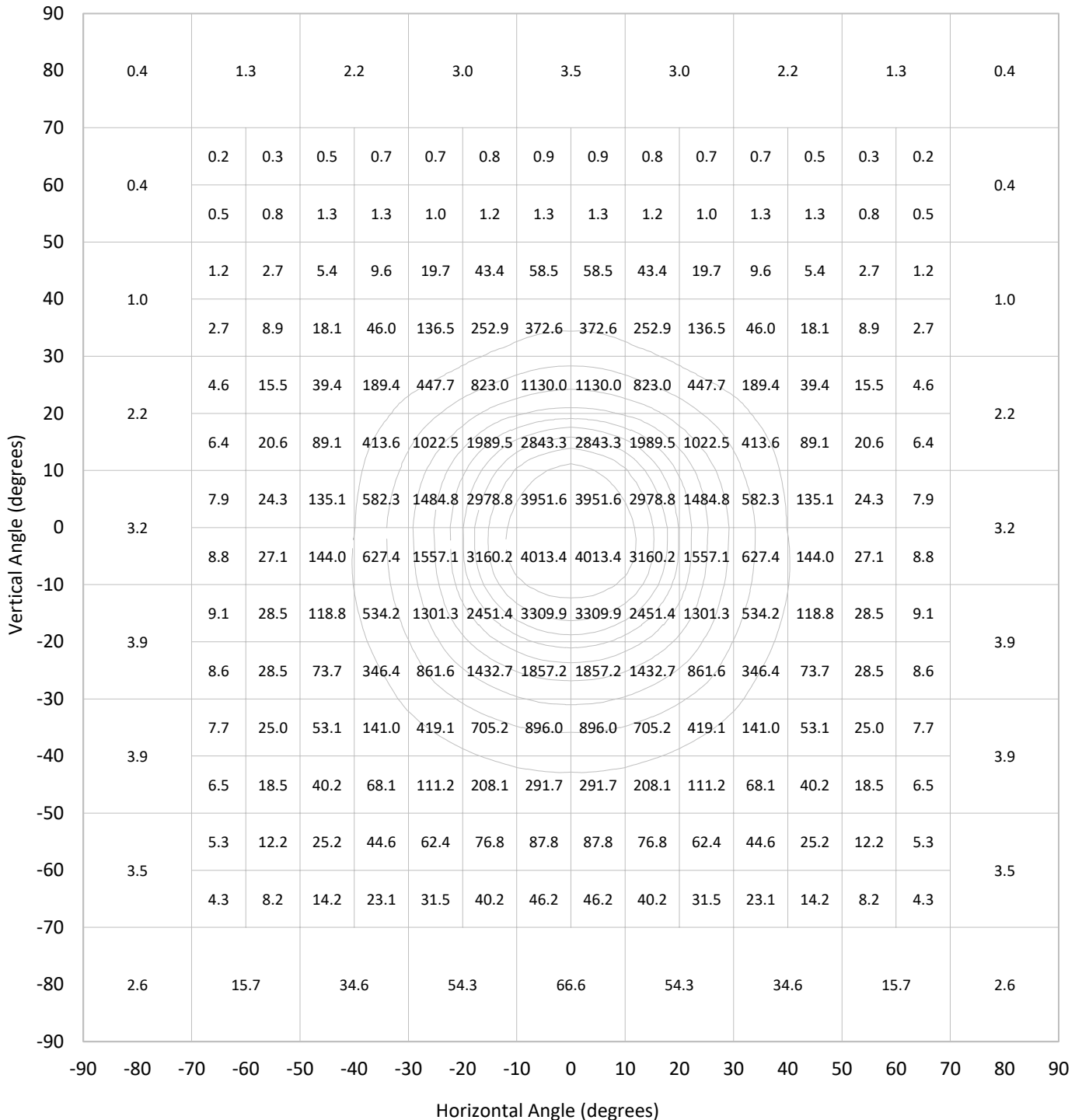
Iso-Candela Plot





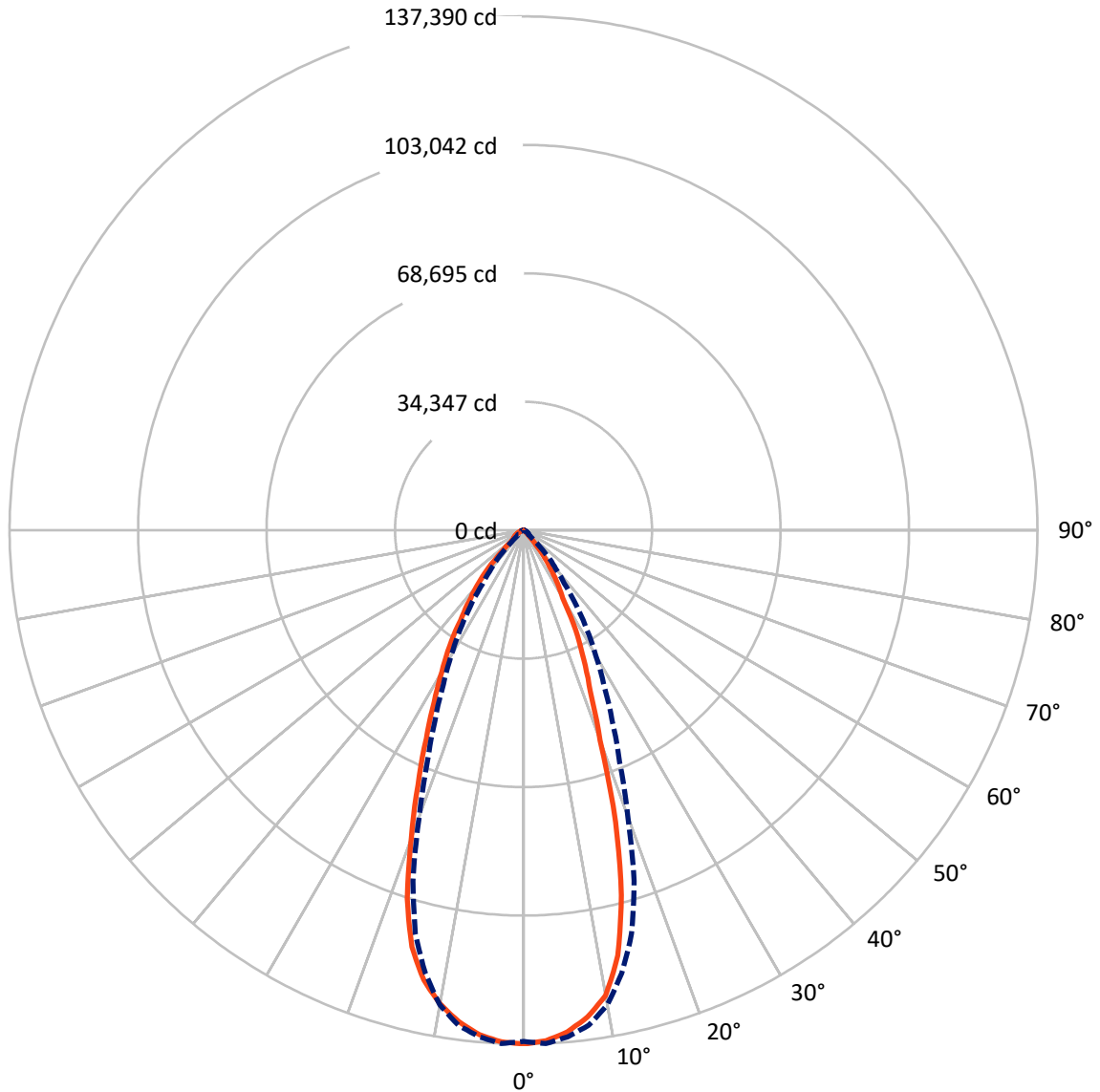
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Lumen Table



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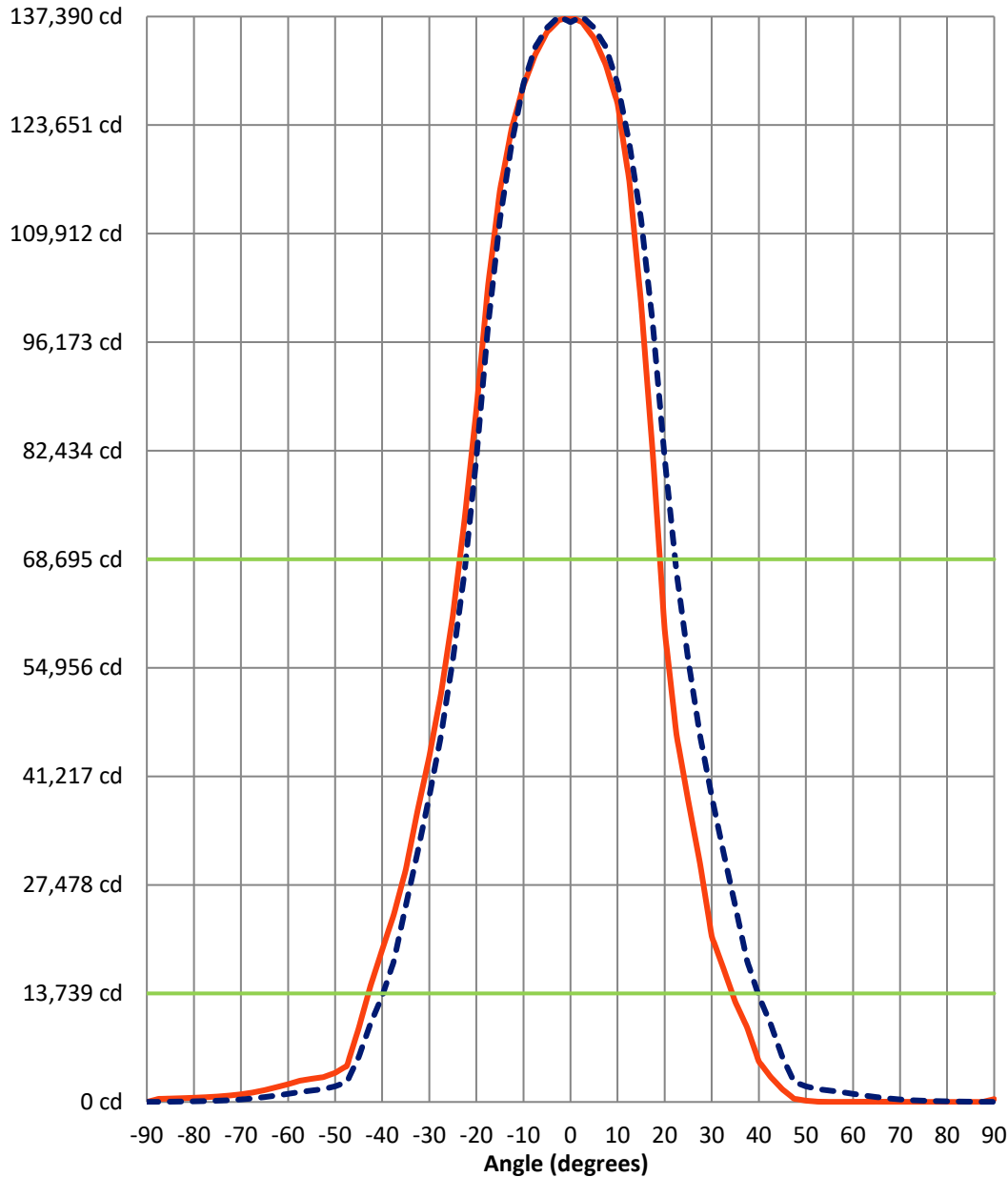
Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

Luminous Intensity Plot



Beam:
 H Angle: 44.5°
 V Angle: 42.5°
 Lumens: 49121.6
 Efficiency: 54.9%

Field:
 H Angle: 79.6°
 V Angle: 77.3°
 Lumens: 82202.2
 Efficiency: 91.9%

Spill:
 Lumens: 7257.2
 Efficiency: 8.1%

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

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 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	11.9	23.2	34.5	57.2	79.9	100.9	122.0	139.3	156.6	169.0	181.4
87.5°	11.9	11.0	10.0	10.1	10.1	10.2	10.3	9.8	9.4	9.2	9.1
85°	11.9	11.3	10.3	10.4	10.5	10.7	10.8	10.5	10.1	9.9	9.5
82.5°	11.9	11.5	10.6	10.8	10.9	11.1	11.4	11.2	10.9	10.5	10.0
80°	11.9	11.8	10.9	11.1	11.2	11.6	12.0	11.8	11.7	11.2	10.6
77.5°	11.9	12.0	11.2	11.5	11.6	12.1	12.5	12.5	12.4	11.9	11.1
75°	11.9	12.3	11.6	11.9	12.1	12.9	13.1	13.2	13.2	12.5	11.7
72.5°	11.9	12.5	11.9	12.2	12.9	13.6	13.8	13.8	13.7	13.0	12.2
70°	11.9	12.8	12.3	12.7	13.6	14.4	14.5	14.6	14.3	13.5	13.2
67.5°	11.9	13.0	12.6	13.3	14.4	15.1	15.4	15.5	15.0	14.7	14.4
65°	11.9	13.3	13.0	13.9	15.2	16.0	16.4	16.4	16.5	16.0	16.0
62.5°	11.9	13.5	13.4	14.6	16.0	16.9	17.4	17.9	18.0	17.8	18.7
60°	11.9	13.8	13.9	15.2	16.7	17.8	18.4	19.5	19.7	21.4	21.7
57.5°	11.9	14.0	14.5	15.8	17.8	18.7	20.5	21.4	24.3	26.0	27.6
55°	11.9	14.3	15.3	16.4	19.0	19.7	22.9	23.7	30.1	32.2	35.6
52.5°	11.9	14.6	16.1	17.1	20.2	20.9	25.5	29.7	36.6	41.9	44.4
50°	11.9	14.8	16.9	17.7	21.6	23.9	28.3	36.4	44.5	52.2	57.4
47.5°	11.9	15.1	17.8	18.4	23.0	27.1	31.7	43.1	54.6	63.2	72.0
45°	11.9	15.4	18.7	19.6	24.6	30.4	37.6	50.0	64.9	77.2	87.4
42.5°	11.9	15.6	19.6	20.8	26.2	33.8	43.6	58.4	75.5	91.9	110.6
40°	11.9	15.9	20.6	22.6	28.5	37.5	50.0	67.9	87.3	107.0	136.4
37.5°	11.9	16.2	21.6	24.8	31.3	41.2	56.9	77.6	101.0	125.1	163.6
35°	11.9	16.4	22.7	27.0	34.2	46.2	63.8	87.4	115.1	149.7	195.1
32.5°	11.9	16.7	23.8	29.2	37.1	51.7	71.3	97.7	129.5	174.8	230.9
30°	11.9	16.9	24.9	31.5	40.0	57.2	79.9	108.7	144.2	200.3	266.1
27.5°	11.9	17.2	26.0	33.8	44.0	62.6	88.4	120.6	160.8	226.1	300.6
25°	11.9	17.4	27.2	36.2	48.0	67.9	96.7	132.0	179.9	253.8	334.4
22.5°	11.9	17.7	28.3	38.5	51.9	73.3	104.7	143.0	197.9	277.7	370.1
20°	11.9	17.9	29.5	40.9	55.8	79.2	112.5	153.4	214.9	300.2	399.9
17.5°	11.9	18.1	30.6	43.2	59.5	84.8	120.3	163.3	230.7	321.4	428.1
15°	11.9	18.3	31.7	45.6	63.1	90.2	127.8	172.9	245.3	341.2	454.8
12.5°	11.9	18.5	32.9	47.9	66.7	95.3	134.8	182.4	260.0	359.3	479.9
10°	11.9	18.7	33.9	50.1	70.1	100.2	141.5	191.3	274.6	380.8	506.4
7.5°	11.9	18.9	35.0	52.3	73.3	104.7	147.6	199.5	288.1	401.6	538.0
5°	11.9	19.1	36.0	54.4	76.4	109.0	153.3	207.2	300.4	420.9	567.8
2.5°	11.9	19.3	36.9	56.4	79.3	113.0	158.4	214.1	311.3	438.2	595.2
0°	11.9	19.4	37.8	58.3	82.1	116.6	163.0	220.3	320.7	453.5	619.7
-2.5°	11.9	20.1	39.4	60.9	85.9	121.9	170.0	229.2	331.7	466.4	632.4
-5°	11.9	20.9	41.0	63.3	89.5	126.9	176.3	237.3	341.0	476.8	641.7
-7.5°	11.9	21.6	42.4	65.6	92.9	131.5	182.1	244.6	348.5	484.6	647.8
-10°	11.9	22.3	43.8	67.8	96.1	135.7	187.2	250.8	354.3	489.9	650.8
-12.5°	11.9	22.9	45.1	69.8	99.0	139.4	191.7	256.1	358.2	492.7	655.3
-15°	11.9	23.6	46.3	71.7	101.6	142.6	195.4	260.3	360.4	493.5	657.7
-17.5°	11.9	24.2	47.4	73.4	104.0	145.4	198.5	264.0	360.9	491.4	654.9
-20°	11.9	24.7	48.4	75.0	106.1	147.7	201.2	267.1	359.5	486.3	646.8



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 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	11.9	25.3	49.3	76.4	107.9	149.4	204.0	269.2	356.3	478.3	633.8
-25°	11.9	25.8	50.1	77.6	109.4	151.5	206.0	270.4	351.3	467.2	622.5
-27.5°	11.9	26.2	50.8	78.6	110.6	153.5	207.2	270.6	344.4	459.8	614.2
-30°	11.9	26.6	51.4	79.5	111.6	155.0	207.6	269.8	341.4	453.8	601.3
-32.5°	11.9	27.0	51.8	80.2	113.5	156.0	207.2	269.2	341.2	444.7	583.3
-35°	11.9	27.3	52.2	80.6	115.1	156.4	207.2	268.2	339.2	432.5	560.4
-37.5°	11.9	27.6	52.4	80.9	116.4	156.9	207.2	266.5	335.6	417.2	539.6
-40°	11.9	27.9	52.5	81.1	117.3	158.1	206.5	263.8	330.3	407.9	519.5
-42.5°	11.9	28.1	52.5	81.2	118.1	158.9	205.4	259.9	325.1	400.1	495.9
-45°	11.9	28.2	52.4	81.7	118.7	159.3	203.6	256.1	319.3	390.3	471.3
-47.5°	11.9	28.3	52.2	81.9	119.0	159.3	201.1	253.1	312.2	378.3	457.4
-50°	11.9	28.3	51.9	82.0	118.8	158.9	200.2	249.2	303.1	367.5	441.1
-52.5°	11.9	28.3	51.4	81.8	118.3	158.1	199.1	244.4	295.4	354.7	421.4
-55°	11.9	28.3	50.8	81.4	117.3	156.7	197.4	239.1	287.9	340.0	401.6
-57.5°	11.9	28.2	50.2	80.8	116.0	154.8	195.3	236.4	279.2	328.5	380.0
-60°	11.9	28.0	49.4	80.0	114.4	152.4	192.5	232.6	270.6	317.1	359.4
-62.5°	11.9	27.8	48.7	78.9	112.7	149.7	188.9	228.0	265.1	303.9	342.9
-65°	11.9	27.6	47.9	77.7	110.8	146.4	184.8	222.7	258.8	293.7	325.4
-67.5°	11.9	27.3	47.0	76.2	108.6	142.9	180.1	216.3	251.8	283.9	311.8
-70°	11.9	27.0	46.0	74.5	106.0	139.1	175.0	209.3	243.3	273.5	299.6
-72.5°	11.9	26.7	44.8	72.9	103.2	134.8	168.8	201.8	234.1	261.8	286.6
-75°	11.9	26.3	43.6	71.1	100.1	130.0	162.1	193.0	224.3	249.6	272.9
-77.5°	11.9	25.8	42.3	69.2	97.2	124.9	154.8	183.4	212.7	236.4	258.7
-80°	11.9	25.4	40.9	67.1	94.2	120.2	147.0	173.4	200.4	221.5	242.1
-82.5°	11.9	24.9	39.4	64.8	90.9	115.8	141.0	163.9	187.6	206.1	224.5
-85°	11.9	24.3	37.8	62.4	87.4	111.1	134.9	156.0	177.4	193.0	208.3
-87.5°	11.9	23.8	36.2	59.9	83.8	106.1	128.6	147.8	167.2	181.1	195.0
-90°	11.9	10.8	9.7	9.7	9.7	9.7	9.7	9.2	8.6	8.6	8.6



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	189.0	196.5	203.5	210.5	219.2	227.8	237.0	246.2	255.9	265.6	274.8
87.5°	8.6	8.1	8.1	8.2	7.7	7.2	6.9	6.5	6.0	5.4	5.3
85°	9.1	8.6	8.7	8.6	8.2	7.9	7.4	7.0	6.5	6.0	6.0
82.5°	9.8	9.7	9.3	8.7	8.5	8.5	8.1	7.6	7.2	6.9	6.7
80°	10.5	10.8	9.9	9.1	8.9	8.7	8.2	7.7	7.6	7.6	7.2
77.5°	11.0	10.9	10.3	9.7	9.3	8.9	8.6	8.3	8.0	7.7	7.6
75°	11.3	11.0	10.6	10.0	9.6	9.6	9.4	9.1	8.9	8.9	8.9
72.5°	11.9	11.7	11.1	10.2	9.9	10.2	10.2	9.9	10.2	10.6	10.6
70°	12.9	12.5	11.8	11.0	10.6	11.0	11.5	12.2	13.1	13.3	14.3
67.5°	13.9	13.5	12.5	11.9	11.7	12.3	13.0	15.7	18.1	19.5	21.0
65°	15.5	14.8	13.8	13.6	13.0	15.7	17.9	20.6	25.8	28.3	28.1
62.5°	17.4	17.6	16.3	16.6	18.8	21.1	25.0	30.9	37.0	39.3	37.2
60°	22.1	21.4	21.5	23.0	25.3	28.2	34.2	41.5	48.5	52.3	46.6
57.5°	28.2	28.0	29.7	30.6	33.8	34.8	42.8	51.9	57.8	62.3	54.9
55°	36.9	37.3	40.4	41.4	43.8	43.6	50.6	59.1	65.3	67.3	59.6
52.5°	49.1	49.6	55.4	56.1	55.4	56.1	58.7	67.8	72.9	73.1	66.3
50°	62.3	69.3	72.8	75.2	71.0	73.5	71.2	81.4	89.0	88.3	90.8
47.5°	82.0	91.3	96.5	100.2	97.1	105.1	103.4	119.0	124.3	154.0	158.7
45°	105.4	120.2	127.1	135.4	144.7	154.4	179.5	179.6	249.8	277.4	350.2
42.5°	131.5	153.7	172.8	176.2	222.8	249.9	284.1	354.4	422.9	508.9	541.8
40°	166.2	190.9	229.8	273.7	325.3	384.3	448.0	533.4	623.3	667.9	673.5
37.5°	204.7	251.0	305.2	384.9	464.3	541.7	622.5	706.0	770.7	787.2	847.7
35°	246.0	313.9	415.1	506.6	599.0	705.9	777.8	854.7	893.6	961.8	1078.0
32.5°	297.9	378.5	504.3	623.3	726.0	842.4	911.2	970.1	1061.4	1179.6	1436.5
30°	352.2	451.4	578.6	716.0	842.4	940.0	1018.3	1092.2	1235.3	1520.8	2401.6
27.5°	397.5	514.0	647.8	800.9	945.2	1034.2	1122.9	1251.9	1507.6	2096.0	3766.5
25°	438.0	564.5	715.5	893.3	1034.5	1132.5	1248.1	1430.2	1831.4	3428.5	5569.1
22.5°	477.6	614.3	792.9	990.5	1125.2	1229.2	1404.3	1733.2	2574.0	4819.3	7391.9
20°	518.4	678.0	876.9	1080.7	1211.9	1314.9	1540.8	2027.5	3748.6	6316.4	9000.4
17.5°	561.2	742.2	958.7	1144.9	1267.7	1404.8	1684.7	2268.9	4729.2	7714.6	10719.1
15°	603.1	803.7	1028.6	1200.2	1318.7	1501.7	1878.0	2980.8	5766.1	9275.9	12556.7
12.5°	643.1	859.6	1082.8	1243.7	1369.0	1592.0	2036.8	3765.1	7012.8	10725.6	14154.3
10°	680.9	909.7	1128.4	1284.7	1423.7	1688.5	2189.7	4532.9	8104.2	11667.6	15140.3
7.5°	719.7	951.5	1166.9	1323.9	1476.4	1779.3	2358.1	5129.4	8919.1	12392.3	15902.1
5°	754.8	983.6	1204.0	1367.7	1530.8	1860.0	2494.2	5585.3	9530.5	12991.1	16580.7
2.5°	785.6	1008.8	1235.6	1409.0	1583.7	1927.5	2533.4	5712.1	9817.8	13313.2	17248.1
0°	811.9	1027.9	1261.1	1445.7	1631.4	1982.3	2543.7	5689.9	9888.8	13410.8	17897.9
-2.5°	826.8	1052.5	1306.8	1498.4	1674.1	2026.5	2597.6	5698.3	9948.9	14094.3	18733.6
-5°	837.3	1070.9	1344.2	1545.1	1711.9	2057.7	2627.6	5568.8	9867.6	14454.1	18977.9
-7.5°	843.2	1082.5	1371.8	1583.9	1746.2	2080.2	2644.4	5358.2	9872.2	14470.5	18670.6
-10°	846.3	1093.6	1384.7	1605.8	1775.7	2091.1	2636.2	4996.4	9480.3	14078.8	18164.5
-12.5°	856.5	1103.7	1389.3	1621.9	1799.2	2093.6	2648.3	4642.4	8745.1	13365.7	17441.0
-15°	860.4	1106.4	1386.7	1635.2	1837.1	2119.2	2648.7	4092.4	7790.8	12461.0	16531.1
-17.5°	857.8	1101.4	1378.8	1654.5	1872.2	2121.2	2588.6	3371.1	6700.7	11173.8	15333.2
-20°	848.4	1090.0	1361.6	1664.0	1892.3	2138.8	2570.9	3254.0	5632.4	9564.3	13878.5



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	834.9	1072.3	1336.8	1643.0	1915.2	2177.3	2546.9	3098.2	4376.2	7725.8	12077.8
-25°	818.7	1052.7	1310.4	1618.8	1925.8	2201.9	2472.2	2890.2	3638.7	6152.8	9849.0
-27.5°	801.8	1024.9	1282.2	1578.7	1919.4	2190.1	2428.2	2775.0	3303.8	4405.1	7526.8
-30°	780.3	991.6	1240.7	1526.7	1862.6	2154.0	2401.4	2625.8	2987.0	3648.8	5522.6
-32.5°	754.1	952.5	1194.4	1467.5	1776.8	2110.7	2339.5	2534.5	2809.6	3215.1	3984.0
-35°	724.5	917.9	1143.1	1392.7	1675.2	2001.9	2246.3	2452.6	2638.4	2950.6	3442.2
-37.5°	694.3	875.3	1076.9	1313.7	1582.6	1849.4	2137.7	2343.3	2530.6	2726.5	3076.6
-40°	658.9	822.4	1011.2	1230.1	1458.2	1700.2	1967.7	2225.2	2410.2	2614.4	2824.4
-42.5°	620.3	772.1	940.8	1130.6	1335.3	1553.0	1790.3	2048.3	2296.2	2491.4	2684.5
-45°	589.1	717.8	865.9	1034.9	1211.1	1404.8	1621.3	1847.2	2110.4	2363.2	2541.7
-47.5°	551.5	663.6	800.3	934.3	1093.7	1266.4	1451.4	1665.4	1886.2	2135.1	2379.2
-50°	515.4	618.2	723.4	844.2	979.5	1131.3	1296.2	1484.7	1688.8	1892.7	2114.2
-52.5°	490.8	569.4	659.0	754.3	872.6	1002.7	1148.8	1308.7	1487.7	1665.9	1857.9
-55°	463.8	531.8	596.1	676.9	769.9	882.8	1009.6	1149.4	1285.9	1448.5	1611.6
-57.5°	437.4	493.8	545.4	607.4	685.1	768.0	883.2	999.6	1118.1	1244.1	1381.9
-60°	410.6	456.8	501.9	552.1	608.7	682.1	762.2	859.5	956.3	1057.0	1178.9
-62.5°	383.8	421.5	460.2	503.4	551.6	601.2	666.6	737.5	805.4	897.0	994.2
-65°	362.3	388.3	420.3	458.3	497.1	542.4	588.1	632.5	692.1	761.6	832.1
-67.5°	339.2	363.5	387.1	413.8	448.8	486.3	524.0	563.8	604.2	652.0	703.4
-70°	322.3	339.6	360.5	382.6	405.6	432.7	466.3	499.3	533.3	573.2	614.1
-72.5°	306.4	322.3	337.9	353.4	374.1	396.6	418.8	440.9	469.2	503.2	535.9
-75°	290.1	304.7	319.0	333.1	348.7	365.4	382.9	402.9	424.9	448.4	471.1
-77.5°	273.4	286.3	299.4	312.3	326.7	341.5	356.7	372.0	389.3	407.6	425.2
-80°	255.6	267.7	279.3	290.9	303.8	317.0	330.6	344.3	359.6	375.4	390.0
-82.5°	236.0	246.6	257.5	268.2	280.2	292.0	304.1	316.1	329.6	343.3	355.8
-85°	217.1	225.4	235.0	244.5	255.4	266.1	276.9	287.6	300.0	312.3	323.2
-87.5°	203.1	211.0	218.8	226.5	235.8	245.1	254.4	263.6	274.5	285.3	294.8
-90°	8.1	7.6	7.6	7.6	7.1	6.5	6.5	6.5	6.0	5.4	4.9



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	284.0	289.9	295.8	300.7	305.6	312.1	318.5	327.2	335.8	344.5	353.1
87.5°	5.2	4.8	4.3	4.2	4.2	4.2	4.2	3.7	3.2	3.2	3.2
85°	6.1	6.0	5.9	5.6	5.2	5.2	5.3	5.2	5.3	4.8	4.3
82.5°	6.5	6.5	6.5	6.0	5.4	5.4	5.4	5.4	5.4	4.9	4.3
80°	6.9	6.7	6.5	6.3	6.1	5.8	5.4	5.0	4.5	4.4	4.3
77.5°	7.7	7.4	7.0	6.8	6.6	6.1	5.5	4.9	4.4	4.3	4.3
75°	8.7	8.4	8.2	7.8	7.2	6.9	6.8	6.6	6.2	6.2	6.3
72.5°	10.4	10.3	10.3	10.5	10.5	10.8	11.3	11.7	12.2	13.1	14.1
70°	15.5	16.6	17.1	17.4	17.4	17.1	17.1	17.3	17.9	18.4	18.8
67.5°	22.7	24.4	25.4	25.8	24.1	23.1	23.2	23.7	24.5	26.0	28.2
65°	29.7	29.3	28.4	27.9	28.1	28.2	28.1	28.4	29.8	32.0	34.8
62.5°	34.9	30.2	27.4	26.0	26.9	28.6	27.5	26.6	27.8	29.2	30.5
60°	39.8	31.1	24.9	23.0	22.7	23.4	21.5	19.7	20.3	20.7	21.5
57.5°	44.5	33.3	23.1	19.7	16.5	14.9	14.4	13.8	13.4	13.1	13.2
55°	48.8	36.2	22.7	20.1	17.8	17.3	15.9	15.1	14.5	14.2	14.6
52.5°	54.1	46.7	37.2	34.5	38.9	39.2	34.7	41.2	46.2	48.5	49.4
50°	88.6	79.3	95.2	93.7	112.4	125.5	120.8	135.5	157.3	171.0	176.7
47.5°	194.6	195.0	226.3	254.2	277.2	307.3	330.5	352.8	383.9	403.2	412.0
45°	369.2	400.6	433.4	481.1	527.0	582.8	649.9	702.7	914.4	1125.4	1317.2
42.5°	565.1	599.5	647.6	751.6	875.2	1161.6	1673.4	1959.1	2315.7	2703.8	2852.8
40°	728.1	778.2	910.1	1203.0	1916.7	2596.1	3342.5	3973.5	4532.2	4853.6	5122.2
37.5°	929.6	1049.0	1649.6	2478.9	3366.2	4217.8	4986.4	5653.3	6232.2	6701.7	7166.4
35°	1223.1	2016.4	2903.8	3982.1	4925.2	5714.1	6510.4	7274.6	7931.2	8632.5	9674.5
32.5°	2318.6	3355.4	4496.9	5463.4	6385.2	7380.6	8217.3	9440.2	10397.8	11676.4	13630.4
30°	3721.4	5022.8	6057.8	7024.6	8206.6	9545.9	10943.2	12813.6	14768.0	16806.8	18905.0
27.5°	5522.7	6837.1	7928.2	9217.8	10778.5	12560.8	15232.3	17868.7	20671.6	23221.1	25158.9
25°	7693.9	9085.8	10951.0	12822.1	15055.4	18101.4	21102.8	24333.0	27143.2	29645.2	32446.0
22.5°	9728.7	12010.5	14473.4	17298.2	20935.1	24370.5	28081.4	31350.3	34877.0	38443.0	41201.0
20°	11446.6	14419.2	17952.3	22024.4	26055.7	29947.3	34265.7	39476.3	44726.6	49417.1	52820.9
17.5°	13763.8	17528.5	21926.4	26766.8	31106.6	35929.3	41939.6	48709.7	56066.6	62576.0	67737.4
15°	16295.8	20691.9	25664.6	30736.3	36226.9	42689.2	50417.5	59063.6	68062.7	77190.3	85693.9
12.5°	18017.1	23167.5	28597.7	34628.2	41476.5	50140.9	59525.2	69109.9	79393.9	90750.8	100615.0
10°	19488.6	25202.4	31753.7	38768.3	46637.5	55951.4	65650.5	77292.3	90129.0	101312.9	111878.4
7.5°	20944.0	27658.2	34501.7	41805.2	50450.9	60567.1	72046.0	84566.6	97630.3	109786.4	118426.5
5°	22666.3	29631.9	36475.0	44190.0	53244.0	63766.7	75874.3	90252.0	104016.1	115189.9	122982.9
2.5°	24090.4	30816.0	37823.0	45458.8	54764.0	65750.7	78891.5	94869.3	108992.6	119440.5	126492.2
0°	24815.5	31574.3	38671.0	46430.7	55969.7	67180.1	81517.2	98302.0	111650.1	121301.9	128853.8
-2.5°	24903.8	31333.2	38299.2	45952.5	55275.4	66708.1	81406.0	98389.0	112341.8	122373.5	129824.3
-5°	24646.5	31015.7	37968.3	45626.2	54823.1	66731.7	81489.4	97819.8	111302.2	121693.2	128710.1
-7.5°	24025.8	30432.4	37398.0	44943.2	53995.4	65545.0	79309.1	94111.6	107979.5	119206.9	125679.9
-10°	23116.4	29411.4	36269.5	43492.3	52029.2	62707.4	75017.0	88568.8	102582.4	113317.3	120782.2
-12.5°	21966.3	27924.0	34479.8	41308.4	49368.4	59317.0	70289.6	81637.3	93384.4	105622.9	113398.1
-15°	20646.0	26089.9	32226.5	39091.8	47060.4	55351.4	64067.4	73312.5	84051.4	94062.0	103112.5
-17.5°	19393.2	24081.7	29807.5	36496.5	43281.9	50486.0	57955.8	65503.9	74115.4	81973.6	89003.3
-20°	17818.6	21810.9	27086.6	33029.9	39335.2	45577.4	51993.5	58108.7	64360.3	70756.5	76339.6



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15962.9	19845.3	24247.0	29421.9	35475.2	41030.8	46169.6	50948.6	55959.5	60385.3	64980.0
-25°	13941.2	17674.1	21719.1	26436.6	31084.3	36120.8	40385.8	44450.0	48336.8	51812.0	55384.9
-27.5°	11458.6	15399.4	19386.7	23162.3	26997.6	30613.8	34590.4	38340.1	41581.6	44448.5	47280.3
-30°	8661.8	12844.6	16616.3	19855.2	22895.7	25911.9	28956.2	32102.6	35171.2	37781.9	40101.3
-32.5°	6390.9	9880.2	13366.5	16540.4	19201.5	21694.3	24061.9	26530.5	28676.7	30880.5	33025.3
-35°	4228.3	6694.5	9588.7	12815.4	15586.9	17684.0	19830.7	21798.9	23416.8	25125.3	26744.5
-37.5°	3558.5	4214.8	6150.9	8770.5	11337.4	13748.9	15889.8	17600.8	19089.9	20454.6	21853.1
-40°	3139.0	3513.3	4064.2	5016.0	7174.8	9296.2	11501.8	13320.5	14907.0	16215.1	17502.7
-42.5°	2863.7	3120.5	3394.9	3769.8	4139.3	5178.2	6988.7	8558.6	10046.5	11520.4	12846.9
-45°	2721.1	2865.2	3022.2	3225.9	3384.0	3665.6	3980.0	4275.5	5459.7	6739.4	7810.5
-47.5°	2549.9	2703.7	2821.0	2916.9	2993.8	3117.5	3248.3	3419.1	3693.3	4016.5	4263.2
-50°	2331.2	2517.8	2634.9	2731.1	2786.3	2834.1	2881.2	2988.3	3136.9	3313.1	3453.0
-52.5°	2048.3	2233.0	2398.8	2524.0	2585.0	2644.4	2703.6	2777.2	2861.7	2963.5	3036.5
-55°	1781.8	1936.1	2079.5	2196.2	2301.5	2397.3	2489.5	2567.5	2658.6	2755.4	2823.5
-57.5°	1528.8	1653.4	1771.1	1872.2	1963.3	2043.9	2138.2	2240.6	2357.1	2468.2	2546.2
-60°	1292.4	1391.5	1489.4	1571.5	1645.6	1711.7	1798.9	1884.8	1986.9	2077.8	2144.1
-62.5°	1081.0	1167.5	1239.9	1301.8	1357.7	1413.0	1486.3	1558.2	1642.2	1714.8	1769.8
-65°	898.2	970.3	1021.3	1067.3	1107.7	1154.8	1211.5	1269.1	1335.2	1391.7	1436.8
-67.5°	757.2	806.1	838.1	866.5	900.1	937.5	980.4	1026.4	1077.8	1120.5	1155.1
-70°	650.6	681.1	700.5	721.7	746.2	772.2	801.2	835.8	874.9	908.2	936.8
-72.5°	566.3	589.5	605.6	622.0	636.8	654.5	674.0	699.9	728.7	754.7	778.9
-75°	493.1	509.7	524.7	539.0	551.8	566.8	582.4	604.2	627.9	649.4	669.6
-77.5°	444.0	456.8	466.8	476.4	485.7	498.2	511.0	528.6	547.0	564.8	581.9
-80°	404.6	414.5	422.9	429.9	436.4	447.0	458.0	472.4	487.0	502.4	517.6
-82.5°	368.0	376.7	384.8	391.5	397.6	407.2	417.0	429.9	442.9	455.6	468.2
-85°	333.9	341.8	349.4	355.8	362.0	369.8	377.4	388.6	399.8	411.4	422.9
-87.5°	304.2	311.7	319.1	324.1	329.0	335.9	342.8	352.3	361.8	371.8	381.7
-90°	4.3	4.3	4.3	3.8	3.2	3.2	3.2	2.7	2.2	2.2	2.2



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	357.4	361.7	363.9	366.0	363.9	361.7	357.4	353.1	344.5	335.8	327.2
87.5°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.2	3.2	3.2	3.7
85°	3.7	3.2	3.7	4.3	3.7	3.2	3.7	4.3	4.8	5.3	5.2
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.9	5.4	5.4
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.5	5.0
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.9
75°	5.9	5.4	5.4	5.4	5.4	5.4	5.9	6.3	6.2	6.2	6.6
72.5°	14.5	14.8	15.6	16.2	15.6	14.8	14.5	14.1	13.1	12.2	11.7
70°	19.1	19.3	19.4	19.4	19.4	19.3	19.1	18.8	18.4	17.9	17.3
67.5°	29.3	29.8	31.1	32.4	31.1	29.8	29.3	28.2	26.0	24.5	23.7
65°	36.8	38.3	38.8	38.9	38.8	38.3	36.8	34.8	32.0	29.8	28.4
62.5°	31.9	33.3	33.6	33.5	33.6	33.3	31.9	30.5	29.2	27.8	26.6
60°	22.2	22.9	23.3	23.8	23.3	22.9	22.2	21.5	20.7	20.3	19.7
57.5°	13.4	14.1	14.1	14.0	14.1	14.1	13.4	13.2	13.1	13.4	13.8
55°	14.7	15.0	14.7	14.0	14.7	15.0	14.7	14.6	14.2	14.5	15.1
52.5°	48.1	45.6	43.2	41.0	43.2	45.6	48.1	49.4	48.5	46.2	41.2
50°	174.8	171.9	167.7	163.0	167.7	171.9	174.8	176.7	171.0	157.3	135.5
47.5°	419.8	420.7	416.6	409.2	416.6	420.7	419.8	412.0	403.2	383.9	352.8
45°	1484.4	1565.2	1608.7	1639.0	1608.7	1565.2	1484.4	1317.2	1125.4	914.4	702.7
42.5°	2983.1	3096.4	3182.5	3200.2	3182.5	3096.4	2983.1	2852.8	2703.8	2315.7	1959.1
40°	5440.7	5459.7	5144.0	4667.5	5144.0	5459.7	5440.7	5122.2	4853.6	4532.2	3973.5
37.5°	7720.3	8516.9	9442.4	9914.7	9442.4	8516.9	7720.3	7166.4	6701.7	6232.2	5653.3
35°	11080.5	12278.8	12667.6	12677.6	12667.6	12278.8	11080.5	9674.5	8632.5	7931.2	7274.6
32.5°	15392.6	16367.0	16887.2	16745.9	16887.2	16367.0	15392.6	13630.4	11676.4	10397.8	9440.2
30°	20127.6	20975.3	20982.2	20698.6	20982.2	20975.3	20127.6	18905.0	16806.8	14768.0	12813.6
27.5°	27164.5	28955.7	30216.4	30556.1	30216.4	28955.7	27164.5	25158.9	23221.1	20671.6	17868.7
25°	34969.6	36938.0	38148.3	38589.0	38148.3	36938.0	34969.6	32446.0	29645.2	27143.2	24333.0
22.5°	43767.8	45681.5	46554.9	47011.6	46554.9	45681.5	43767.8	41201.0	38443.0	34877.0	31350.3
20°	56065.6	58786.6	59812.3	60250.7	59812.3	58786.6	56065.6	52820.9	49417.1	44726.6	39476.3
17.5°	73100.3	78474.2	81834.3	83560.0	81834.3	78474.2	73100.3	67737.4	62576.0	56066.6	48709.7
15°	91987.3	97443.0	101030.8	103182.1	101030.8	97443.0	91987.3	85693.9	77190.3	68062.7	59063.6
12.5°	108190.0	113053.5	116518.9	118579.0	116518.9	113053.5	108190.0	100615.0	90750.8	79393.9	69109.9
10°	118584.7	122755.5	126350.8	128106.6	126350.8	122755.5	118584.7	111878.4	101312.9	90129.0	77292.3
7.5°	124459.4	129309.1	131258.0	132458.9	131258.0	129309.1	124459.4	118426.5	109786.4	97630.3	84566.6
5°	129012.4	132844.9	134644.0	135521.9	134644.0	132844.9	129012.4	122982.9	115189.9	104016.1	90252.0
2.5°	132051.8	135378.9	136651.2	137359.5	136651.2	135378.9	132051.8	126492.2	119440.5	108992.6	94869.3
0°	133510.4	135963.5	137389.8	136694.5	137389.8	135963.5	133510.4	128853.8	121301.9	111650.1	98302.0
-2.5°	133520.6	135852.3	136912.6	136396.5	136912.6	135852.3	133520.6	129824.3	122373.5	112341.8	98389.0
-5°	132378.3	134118.5	135409.8	134996.1	135409.8	134118.5	132378.3	128710.1	121693.2	111302.2	97819.8
-7.5°	129297.8	131610.5	132556.4	132602.4	132556.4	131610.5	129297.8	125679.9	119206.9	107979.5	94111.6
-10°	125059.9	127624.1	128631.1	128733.9	128631.1	127624.1	125059.9	120782.2	113317.3	102582.4	88568.8
-12.5°	118761.4	121769.5	123218.7	123477.0	123218.7	121769.5	118761.4	113398.1	105622.9	93384.4	81637.3
-15°	108983.9	113038.3	115326.7	116129.7	115326.7	113038.3	108983.9	103112.5	94062.0	84051.4	73312.5
-17.5°	95691.8	100535.9	103389.5	104395.7	103389.5	100535.9	95691.8	89003.3	81973.6	74115.4	65503.9
-20°	81826.8	85418.1	87617.8	88524.4	87617.8	85418.1	81826.8	76339.6	70756.5	64360.3	58108.7



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	69215.3	72110.7	73745.2	74471.2	73745.2	72110.7	69215.3	64980.0	60385.3	55959.5	50948.6
-25°	58277.2	60715.9	61554.1	62026.8	61554.1	60715.9	58277.2	55384.9	51812.0	48336.8	44450.0
-27.5°	49340.1	51274.7	51726.1	52143.3	51726.1	51274.7	49340.1	47280.3	44448.5	41581.6	38340.1
-30°	41809.4	43492.9	43723.1	44185.0	43723.1	43492.9	41809.4	40101.3	37781.9	35171.2	32102.6
-32.5°	34766.8	36265.9	36840.1	36928.4	36840.1	36265.9	34766.8	33025.3	30880.5	28676.7	26530.5
-35°	28023.0	29010.9	29401.8	29425.7	29401.8	29010.9	28023.0	26744.5	25125.3	23416.8	21798.9
-37.5°	22720.6	23350.5	23803.2	23678.5	23803.2	23350.5	22720.6	21853.1	20454.6	19089.9	17600.8
-40°	18224.1	18857.8	19271.6	19170.9	19271.6	18857.8	18224.1	17502.7	16215.1	14907.0	13320.5
-42.5°	13578.7	14275.6	14666.7	14558.5	14666.7	14275.6	13578.7	12846.9	11520.4	10046.5	8558.6
-45°	8421.2	9035.5	9323.7	9148.2	9323.7	9035.5	8421.2	7810.5	6739.4	5459.7	4275.5
-47.5°	4393.3	4533.1	4577.8	4515.2	4577.8	4533.1	4393.3	4263.2	4016.5	3693.3	3419.1
-50°	3562.1	3649.8	3687.5	3676.3	3687.5	3649.8	3562.1	3453.0	3313.1	3136.9	2988.3
-52.5°	3093.8	3134.4	3147.7	3139.7	3147.7	3134.4	3093.8	3036.5	2963.5	2861.7	2777.2
-55°	2881.0	2921.2	2935.1	2930.3	2935.1	2921.2	2881.0	2823.5	2755.4	2658.6	2567.5
-57.5°	2611.1	2660.4	2691.0	2706.8	2691.0	2660.4	2611.1	2546.2	2468.2	2357.1	2240.6
-60°	2197.4	2237.0	2248.3	2242.5	2248.3	2237.0	2197.4	2144.1	2077.8	1986.9	1884.8
-62.5°	1813.1	1845.6	1869.8	1886.2	1869.8	1845.6	1813.1	1769.8	1714.8	1642.2	1558.2
-65°	1470.0	1493.4	1498.4	1494.3	1498.4	1493.4	1470.0	1436.8	1391.7	1335.2	1269.1
-67.5°	1179.3	1196.7	1199.0	1195.2	1199.0	1196.7	1179.3	1155.1	1120.5	1077.8	1026.4
-70°	956.1	970.8	972.8	970.6	972.8	970.8	956.1	936.8	908.2	874.9	835.8
-72.5°	793.0	803.7	811.9	818.4	811.9	803.7	793.0	778.9	754.7	728.7	699.9
-75°	679.8	687.5	689.4	689.9	689.4	687.5	679.8	669.6	649.4	627.9	604.2
-77.5°	591.0	598.7	604.2	608.9	604.2	598.7	591.0	581.9	564.8	547.0	528.6
-80°	524.4	530.3	534.7	538.8	534.7	530.3	524.4	517.6	502.4	487.0	472.4
-82.5°	474.7	480.9	484.6	488.0	484.6	480.9	474.7	468.2	455.6	442.9	429.9
-85°	427.9	432.6	436.1	439.4	436.1	432.6	427.9	422.9	411.4	399.8	388.6
-87.5°	386.2	390.7	393.0	395.2	393.0	390.7	386.2	381.7	371.8	361.8	352.3
-90°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.2	2.2	2.7



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	318.5	312.1	305.6	300.7	295.8	289.9	284.0	274.8	265.6	255.9	246.2
87.5°	4.2	4.2	4.2	4.2	4.3	4.8	5.2	5.3	5.4	6.0	6.5
85°	5.3	5.2	5.2	5.6	5.9	6.0	6.1	6.0	6.0	6.5	7.0
82.5°	5.4	5.4	5.4	6.0	6.5	6.5	6.5	6.7	6.9	7.2	7.6
80°	5.4	5.8	6.1	6.3	6.5	6.7	6.9	7.2	7.6	7.6	7.7
77.5°	5.5	6.1	6.6	6.8	7.0	7.4	7.7	7.6	7.7	8.0	8.3
75°	6.8	6.9	7.2	7.8	8.2	8.4	8.7	8.9	8.9	8.9	9.1
72.5°	11.3	10.8	10.5	10.5	10.3	10.3	10.4	10.6	10.6	10.2	9.9
70°	17.1	17.1	17.4	17.4	17.1	16.6	15.5	14.3	13.3	13.1	12.2
67.5°	23.2	23.1	24.1	25.8	25.4	24.4	22.7	21.0	19.5	18.1	15.7
65°	28.1	28.2	28.1	27.9	28.4	29.3	29.7	28.1	28.3	25.8	20.6
62.5°	27.5	28.6	26.9	26.0	27.4	30.2	34.9	37.2	39.3	37.0	30.9
60°	21.5	23.4	22.7	23.0	24.9	31.1	39.8	46.6	52.3	48.5	41.5
57.5°	14.4	14.9	16.5	19.7	23.1	33.3	44.5	54.9	62.3	57.8	51.9
55°	15.9	17.3	17.8	20.1	22.7	36.2	48.8	59.6	67.3	65.3	59.1
52.5°	34.7	39.2	38.9	34.5	37.2	46.7	54.1	66.3	73.1	72.9	67.8
50°	120.8	125.5	112.4	93.7	95.2	79.3	88.6	90.8	88.3	89.0	81.4
47.5°	330.5	307.3	277.2	254.2	226.3	195.0	194.6	158.7	154.0	124.3	119.0
45°	649.9	582.8	527.0	481.1	433.4	400.6	369.2	350.2	277.4	249.8	179.6
42.5°	1673.4	1161.6	875.2	751.6	647.6	599.5	565.1	541.8	508.9	422.9	354.4
40°	3342.5	2596.1	1916.7	1203.0	910.1	778.2	728.1	673.5	667.9	623.3	533.4
37.5°	4986.4	4217.8	3366.2	2478.9	1649.6	1049.0	929.6	847.7	787.2	770.7	706.0
35°	6510.4	5714.1	4925.2	3982.1	2903.8	2016.4	1223.1	1078.0	961.8	893.6	854.7
32.5°	8217.3	7380.6	6385.2	5463.4	4496.9	3355.4	2318.6	1436.5	1179.6	1061.4	970.1
30°	10943.2	9545.9	8206.6	7024.6	6057.8	5022.8	3721.4	2401.6	1520.8	1235.3	1092.2
27.5°	15232.3	12560.8	10778.5	9217.8	7928.2	6837.1	5522.7	3766.5	2096.0	1507.6	1251.9
25°	21102.8	18101.4	15055.4	12822.1	10951.0	9085.8	7693.9	5569.1	3428.5	1831.4	1430.2
22.5°	28081.4	24370.5	20935.1	17298.2	14473.4	12010.5	9728.7	7391.9	4819.3	2574.0	1733.2
20°	34265.7	29947.3	26055.7	22024.4	17952.3	14419.2	11446.6	9000.4	6316.4	3748.6	2027.5
17.5°	41939.6	35929.3	31106.6	26766.8	21926.4	17528.5	13763.8	10719.1	7714.6	4729.2	2268.9
15°	50417.5	42689.2	36226.9	30736.3	25664.6	20691.9	16295.8	12556.7	9275.9	5766.1	2980.8
12.5°	59525.2	50140.9	41476.5	34628.2	28597.7	23167.5	18017.1	14154.3	10725.6	7012.8	3765.1
10°	65650.5	55951.4	46637.5	38768.3	31753.7	25202.4	19488.6	15140.3	11667.6	8104.2	4532.9
7.5°	72046.0	60567.1	50450.9	41805.2	34501.7	27658.2	20944.0	15902.1	12392.3	8919.1	5129.4
5°	75874.3	63766.7	53244.0	44190.0	36475.0	29631.9	22666.3	16580.7	12991.1	9530.5	5585.3
2.5°	78891.5	65750.7	54764.0	45458.8	37823.0	30816.0	24090.4	17248.1	13313.2	9817.8	5712.1
0°	81517.2	67180.1	55969.7	46430.7	38671.0	31574.3	24815.5	17897.9	13410.8	9888.8	5689.9
-2.5°	81406.0	66708.1	55275.4	45952.5	38299.2	31333.2	24903.8	18733.6	14094.3	9948.9	5698.3
-5°	81489.4	66731.7	54823.1	45626.2	37968.3	31015.7	24646.5	18977.9	14454.1	9867.6	5568.8
-7.5°	79309.1	65545.0	53995.4	44943.2	37398.0	30432.4	24025.8	18670.6	14470.5	9872.2	5358.2
-10°	75017.0	62707.4	52029.2	43492.3	36269.5	29411.4	23116.4	18164.5	14078.8	9480.3	4996.4
-12.5°	70289.6	59317.0	49368.4	41308.4	34479.8	27924.0	21966.3	17441.0	13365.7	8745.1	4642.4
-15°	64067.4	55351.4	47060.4	39091.8	32226.5	26089.9	20646.0	16531.1	12461.0	7790.8	4092.4
-17.5°	57955.8	50486.0	43281.9	36496.5	29807.5	24081.7	19393.2	15333.2	11173.8	6700.7	3371.1
-20°	51993.5	45577.4	39335.2	33029.9	27086.6	21810.9	17818.6	13878.5	9564.3	5632.4	3254.0



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	46169.6	41030.8	35475.2	29421.9	24247.0	19845.3	15962.9	12077.8	7725.8	4376.2	3098.2
-25°	40385.8	36120.8	31084.3	26436.6	21719.1	17674.1	13941.2	9849.0	6152.8	3638.7	2890.2
-27.5°	34590.4	30613.8	26997.6	23162.3	19386.7	15399.4	11458.6	7526.8	4405.1	3303.8	2775.0
-30°	28956.2	25911.9	22895.7	19855.2	16616.3	12844.6	8661.8	5522.6	3648.8	2987.0	2625.8
-32.5°	24061.9	21694.3	19201.5	16540.4	13366.5	9880.2	6390.9	3984.0	3215.1	2809.6	2534.5
-35°	19830.7	17684.0	15586.9	12815.4	9588.7	6694.5	4228.3	3442.2	2950.6	2638.4	2452.6
-37.5°	15889.8	13748.9	11337.4	8770.5	6150.9	4214.8	3558.5	3076.6	2726.5	2530.6	2343.3
-40°	11501.8	9296.2	7174.8	5016.0	4064.2	3513.3	3139.0	2824.4	2614.4	2410.2	2225.2
-42.5°	6988.7	5178.2	4139.3	3769.8	3394.9	3120.5	2863.7	2684.5	2491.4	2296.2	2048.3
-45°	3980.0	3665.6	3384.0	3225.9	3022.2	2865.2	2721.1	2541.7	2363.2	2110.4	1847.2
-47.5°	3248.3	3117.5	2993.8	2916.9	2821.0	2703.7	2549.9	2379.2	2135.1	1886.2	1665.4
-50°	2881.2	2834.1	2786.3	2731.1	2634.9	2517.8	2331.2	2114.2	1892.7	1688.8	1484.7
-52.5°	2703.6	2644.4	2585.0	2524.0	2398.8	2233.0	2048.3	1857.9	1665.9	1487.7	1308.7
-55°	2489.5	2397.3	2301.5	2196.2	2079.5	1936.1	1781.8	1611.6	1448.5	1285.9	1149.4
-57.5°	2138.2	2043.9	1963.3	1872.2	1771.1	1653.4	1528.8	1381.9	1244.1	1118.1	999.6
-60°	1798.9	1711.7	1645.6	1571.5	1489.4	1391.5	1292.4	1178.9	1057.0	956.3	859.5
-62.5°	1486.3	1413.0	1357.7	1301.8	1239.9	1167.5	1081.0	994.2	897.0	805.4	737.5
-65°	1211.5	1154.8	1107.7	1067.3	1021.3	970.3	898.2	832.1	761.6	692.1	632.5
-67.5°	980.4	937.5	900.1	866.5	838.1	806.1	757.2	703.4	652.0	604.2	563.8
-70°	801.2	772.2	746.2	721.7	700.5	681.1	650.6	614.1	573.2	533.3	499.3
-72.5°	674.0	654.5	636.8	622.0	605.6	589.5	566.3	535.9	503.2	469.2	440.9
-75°	582.4	566.8	551.8	539.0	524.7	509.7	493.1	471.1	448.4	424.9	402.9
-77.5°	511.0	498.2	485.7	476.4	466.8	456.8	444.0	425.2	407.6	389.3	372.0
-80°	458.0	447.0	436.4	429.9	422.9	414.5	404.6	390.0	375.4	359.6	344.3
-82.5°	417.0	407.2	397.6	391.5	384.8	376.7	368.0	355.8	343.3	329.6	316.1
-85°	377.4	369.8	362.0	355.8	349.4	341.8	333.9	323.2	312.3	300.0	287.6
-87.5°	342.8	335.9	329.0	324.1	319.1	311.7	304.2	294.8	285.3	274.5	263.6
-90°	3.2	3.2	3.2	3.8	4.3	4.3	4.3	4.9	5.4	6.0	6.5



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	237.0	227.8	219.2	210.5	203.5	196.5	189.0	181.4	169.0	156.6	139.3
87.5°	6.9	7.2	7.7	8.2	8.1	8.1	8.6	9.1	9.2	9.4	9.8
85°	7.4	7.9	8.2	8.6	8.7	8.6	9.1	9.5	9.9	10.1	10.5
82.5°	8.1	8.5	8.5	8.7	9.3	9.7	9.8	10.0	10.5	10.9	11.2
80°	8.2	8.7	8.9	9.1	9.9	10.8	10.5	10.6	11.2	11.7	11.8
77.5°	8.6	8.9	9.3	9.7	10.3	10.9	11.0	11.1	11.9	12.4	12.5
75°	9.4	9.6	9.6	10.0	10.6	11.0	11.3	11.7	12.5	13.2	13.2
72.5°	10.2	10.2	9.9	10.2	11.1	11.7	11.9	12.2	13.0	13.7	13.8
70°	11.5	11.0	10.6	11.0	11.8	12.5	12.9	13.2	13.5	14.3	14.6
67.5°	13.0	12.3	11.7	11.9	12.5	13.5	13.9	14.4	14.7	15.0	15.5
65°	17.9	15.7	13.0	13.6	13.8	14.8	15.5	16.0	16.0	16.5	16.4
62.5°	25.0	21.1	18.8	16.6	16.3	17.6	17.4	18.7	17.8	18.0	17.9
60°	34.2	28.2	25.3	23.0	21.5	21.4	22.1	21.7	21.4	19.7	19.5
57.5°	42.8	34.8	33.8	30.6	29.7	28.0	28.2	27.6	26.0	24.3	21.4
55°	50.6	43.6	43.8	41.4	40.4	37.3	36.9	35.6	32.2	30.1	23.7
52.5°	58.7	56.1	55.4	56.1	55.4	49.6	49.1	44.4	41.9	36.6	29.7
50°	71.2	73.5	71.0	75.2	72.8	69.3	62.3	57.4	52.2	44.5	36.4
47.5°	103.4	105.1	97.1	100.2	96.5	91.3	82.0	72.0	63.2	54.6	43.1
45°	179.5	154.4	144.7	135.4	127.1	120.2	105.4	87.4	77.2	64.9	50.0
42.5°	284.1	249.9	222.8	176.2	172.8	153.7	131.5	110.6	91.9	75.5	58.4
40°	448.0	384.3	325.3	273.7	229.8	190.9	166.2	136.4	107.0	87.3	67.9
37.5°	622.5	541.7	464.3	384.9	305.2	251.0	204.7	163.6	125.1	101.0	77.6
35°	777.8	705.9	599.0	506.6	415.1	313.9	246.0	195.1	149.7	115.1	87.4
32.5°	911.2	842.4	726.0	623.3	504.3	378.5	297.9	230.9	174.8	129.5	97.7
30°	1018.3	940.0	842.4	716.0	578.6	451.4	352.2	266.1	200.3	144.2	108.7
27.5°	1122.9	1034.2	945.2	800.9	647.8	514.0	397.5	300.6	226.1	160.8	120.6
25°	1248.1	1132.5	1034.5	893.3	715.5	564.5	438.0	334.4	253.8	179.9	132.0
22.5°	1404.3	1229.2	1125.2	990.5	792.9	614.3	477.6	370.1	277.7	197.9	143.0
20°	1540.8	1314.9	1211.9	1080.7	876.9	678.0	518.4	399.9	300.2	214.9	153.4
17.5°	1684.7	1404.8	1267.7	1144.9	958.7	742.2	561.2	428.1	321.4	230.7	163.3
15°	1878.0	1501.7	1318.7	1200.2	1028.6	803.7	603.1	454.8	341.2	245.3	172.9
12.5°	2036.8	1592.0	1369.0	1243.7	1082.8	859.6	643.1	479.9	359.3	260.0	182.4
10°	2189.7	1688.5	1423.7	1284.7	1128.4	909.7	680.9	506.4	380.8	274.6	191.3
7.5°	2358.1	1779.3	1476.4	1323.9	1166.9	951.5	719.7	538.0	401.6	288.1	199.5
5°	2494.2	1860.0	1530.8	1367.7	1204.0	983.6	754.8	567.8	420.9	300.4	207.2
2.5°	2533.4	1927.5	1583.7	1409.0	1235.6	1008.8	785.6	595.2	438.2	311.3	214.1
0°	2543.7	1982.3	1631.4	1445.7	1261.1	1027.9	811.9	619.7	453.5	320.7	220.3
-2.5°	2597.6	2026.5	1674.1	1498.4	1306.8	1052.5	826.8	632.4	466.4	331.7	229.2
-5°	2627.6	2057.7	1711.9	1545.1	1344.2	1070.9	837.3	641.7	476.8	341.0	237.3
-7.5°	2644.4	2080.2	1746.2	1583.9	1371.8	1082.5	843.2	647.8	484.6	348.5	244.6
-10°	2636.2	2091.1	1775.7	1605.8	1384.7	1093.6	846.3	650.8	489.9	354.3	250.8
-12.5°	2648.3	2093.6	1799.2	1621.9	1389.3	1103.7	856.5	655.3	492.7	358.2	256.1
-15°	2648.7	2119.2	1837.1	1635.2	1386.7	1106.4	860.4	657.7	493.5	360.4	260.3
-17.5°	2588.6	2121.2	1872.2	1654.5	1378.8	1101.4	857.8	654.9	491.4	360.9	264.0
-20°	2570.9	2138.8	1892.3	1664.0	1361.6	1090.0	848.4	646.8	486.3	359.5	267.1



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2546.9	2177.3	1915.2	1643.0	1336.8	1072.3	834.9	633.8	478.3	356.3	269.2
-25°	2472.2	2201.9	1925.8	1618.8	1310.4	1052.7	818.7	622.5	467.2	351.3	270.4
-27.5°	2428.2	2190.1	1919.4	1578.7	1282.2	1024.9	801.8	614.2	459.8	344.4	270.6
-30°	2401.4	2154.0	1862.6	1526.7	1240.7	991.6	780.3	601.3	453.8	341.4	269.8
-32.5°	2339.5	2110.7	1776.8	1467.5	1194.4	952.5	754.1	583.3	444.7	341.2	269.2
-35°	2246.3	2001.9	1675.2	1392.7	1143.1	917.9	724.5	560.4	432.5	339.2	268.2
-37.5°	2137.7	1849.4	1582.6	1313.7	1076.9	875.3	694.3	539.6	417.2	335.6	266.5
-40°	1967.7	1700.2	1458.2	1230.1	1011.2	822.4	658.9	519.5	407.9	330.3	263.8
-42.5°	1790.3	1553.0	1335.3	1130.6	940.8	772.1	620.3	495.9	400.1	325.1	259.9
-45°	1621.3	1404.8	1211.1	1034.9	865.9	717.8	589.1	471.3	390.3	319.3	256.1
-47.5°	1451.4	1266.4	1093.7	934.3	800.3	663.6	551.5	457.4	378.3	312.2	253.1
-50°	1296.2	1131.3	979.5	844.2	723.4	618.2	515.4	441.1	367.5	303.1	249.2
-52.5°	1148.8	1002.7	872.6	754.3	659.0	569.4	490.8	421.4	354.7	295.4	244.4
-55°	1009.6	882.8	769.9	676.9	596.1	531.8	463.8	401.6	340.0	287.9	239.1
-57.5°	883.2	768.0	685.1	607.4	545.4	493.8	437.4	380.0	328.5	279.2	236.4
-60°	762.2	682.1	608.7	552.1	501.9	456.8	410.6	359.4	317.1	270.6	232.6
-62.5°	666.6	601.2	551.6	503.4	460.2	421.5	383.8	342.9	303.9	265.1	228.0
-65°	588.1	542.4	497.1	458.3	420.3	388.3	362.3	325.4	293.7	258.8	222.7
-67.5°	524.0	486.3	448.8	413.8	387.1	363.5	339.2	311.8	283.9	251.8	216.3
-70°	466.3	432.7	405.6	382.6	360.5	339.6	322.3	299.6	273.5	243.3	209.3
-72.5°	418.8	396.6	374.1	353.4	337.9	322.3	306.4	286.6	261.8	234.1	201.8
-75°	382.9	365.4	348.7	333.1	319.0	304.7	290.1	272.9	249.6	224.3	193.0
-77.5°	356.7	341.5	326.7	312.3	299.4	286.3	273.4	258.7	236.4	212.7	183.4
-80°	330.6	317.0	303.8	290.9	279.3	267.7	255.6	242.1	221.5	200.4	173.4
-82.5°	304.1	292.0	280.2	268.2	257.5	246.6	236.0	224.5	206.1	187.6	163.9
-85°	276.9	266.1	255.4	244.5	235.0	225.4	217.1	208.3	193.0	177.4	156.0
-87.5°	254.4	245.1	235.8	226.5	218.8	211.0	203.1	195.0	181.1	167.2	147.8
-90°	6.5	6.5	7.1	7.6	7.6	7.6	8.1	8.6	8.6	8.6	9.2



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	122.0	100.9	79.9	57.2	34.5	23.2	11.9
87.5°	10.3	10.2	10.1	10.1	10.0	11.0	11.9
85°	10.8	10.7	10.5	10.4	10.3	11.3	11.9
82.5°	11.4	11.1	10.9	10.8	10.6	11.5	11.9
80°	12.0	11.6	11.2	11.1	10.9	11.8	11.9
77.5°	12.5	12.1	11.6	11.5	11.2	12.0	11.9
75°	13.1	12.9	12.1	11.9	11.6	12.3	11.9
72.5°	13.8	13.6	12.9	12.2	11.9	12.5	11.9
70°	14.5	14.4	13.6	12.7	12.3	12.8	11.9
67.5°	15.4	15.1	14.4	13.3	12.6	13.0	11.9
65°	16.4	16.0	15.2	13.9	13.0	13.3	11.9
62.5°	17.4	16.9	16.0	14.6	13.4	13.5	11.9
60°	18.4	17.8	16.7	15.2	13.9	13.8	11.9
57.5°	20.5	18.7	17.8	15.8	14.5	14.0	11.9
55°	22.9	19.7	19.0	16.4	15.3	14.3	11.9
52.5°	25.5	20.9	20.2	17.1	16.1	14.6	11.9
50°	28.3	23.9	21.6	17.7	16.9	14.8	11.9
47.5°	31.7	27.1	23.0	18.4	17.8	15.1	11.9
45°	37.6	30.4	24.6	19.6	18.7	15.4	11.9
42.5°	43.6	33.8	26.2	20.8	19.6	15.6	11.9
40°	50.0	37.5	28.5	22.6	20.6	15.9	11.9
37.5°	56.9	41.2	31.3	24.8	21.6	16.2	11.9
35°	63.8	46.2	34.2	27.0	22.7	16.4	11.9
32.5°	71.3	51.7	37.1	29.2	23.8	16.7	11.9
30°	79.9	57.2	40.0	31.5	24.9	16.9	11.9
27.5°	88.4	62.6	44.0	33.8	26.0	17.2	11.9
25°	96.7	67.9	48.0	36.2	27.2	17.4	11.9
22.5°	104.7	73.3	51.9	38.5	28.3	17.7	11.9
20°	112.5	79.2	55.8	40.9	29.5	17.9	11.9
17.5°	120.3	84.8	59.5	43.2	30.6	18.1	11.9
15°	127.8	90.2	63.1	45.6	31.7	18.3	11.9
12.5°	134.8	95.3	66.7	47.9	32.9	18.5	11.9
10°	141.5	100.2	70.1	50.1	33.9	18.7	11.9
7.5°	147.6	104.7	73.3	52.3	35.0	18.9	11.9
5°	153.3	109.0	76.4	54.4	36.0	19.1	11.9
2.5°	158.4	113.0	79.3	56.4	36.9	19.3	11.9
0°	163.0	116.6	82.1	58.3	37.8	19.4	11.9
-2.5°	170.0	121.9	85.9	60.9	39.4	20.1	11.9
-5°	176.3	126.9	89.5	63.3	41.0	20.9	11.9
-7.5°	182.1	131.5	92.9	65.6	42.4	21.6	11.9
-10°	187.2	135.7	96.1	67.8	43.8	22.3	11.9
-12.5°	191.7	139.4	99.0	69.8	45.1	22.9	11.9
-15°	195.4	142.6	101.6	71.7	46.3	23.6	11.9
-17.5°	198.5	145.4	104.0	73.4	47.4	24.2	11.9
-20°	201.2	147.7	106.1	75.0	48.4	24.7	11.9



REPORT NUMBER: P1305612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	204.0	149.4	107.9	76.4	49.3	25.3	11.9
-25°	206.0	151.5	109.4	77.6	50.1	25.8	11.9
-27.5°	207.2	153.5	110.6	78.6	50.8	26.2	11.9
-30°	207.6	155.0	111.6	79.5	51.4	26.6	11.9
-32.5°	207.2	156.0	113.5	80.2	51.8	27.0	11.9
-35°	207.2	156.4	115.1	80.6	52.2	27.3	11.9
-37.5°	207.2	156.9	116.4	80.9	52.4	27.6	11.9
-40°	206.5	158.1	117.3	81.1	52.5	27.9	11.9
-42.5°	205.4	158.9	118.1	81.2	52.5	28.1	11.9
-45°	203.6	159.3	118.7	81.7	52.4	28.2	11.9
-47.5°	201.1	159.3	119.0	81.9	52.2	28.3	11.9
-50°	200.2	158.9	118.8	82.0	51.9	28.3	11.9
-52.5°	199.1	158.1	118.3	81.8	51.4	28.3	11.9
-55°	197.4	156.7	117.3	81.4	50.8	28.3	11.9
-57.5°	195.3	154.8	116.0	80.8	50.2	28.2	11.9
-60°	192.5	152.4	114.4	80.0	49.4	28.0	11.9
-62.5°	188.9	149.7	112.7	78.9	48.7	27.8	11.9
-65°	184.8	146.4	110.8	77.7	47.9	27.6	11.9
-67.5°	180.1	142.9	108.6	76.2	47.0	27.3	11.9
-70°	175.0	139.1	106.0	74.5	46.0	27.0	11.9
-72.5°	168.8	134.8	103.2	72.9	44.8	26.7	11.9
-75°	162.1	130.0	100.1	71.1	43.6	26.3	11.9
-77.5°	154.8	124.9	97.2	69.2	42.3	25.8	11.9
-80°	147.0	120.2	94.2	67.1	40.9	25.4	11.9
-82.5°	141.0	115.8	90.9	64.8	39.4	24.9	11.9
-85°	134.9	111.1	87.4	62.4	37.8	24.3	11.9
-87.5°	128.6	106.1	83.8	59.9	36.2	23.8	11.9
-90°	9.7	9.7	9.7	9.7	9.7	10.8	11.9

(END OF REPORT)