

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: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-7F-CV1-A**

Issue Date: 2/3/2026

**Test Information**

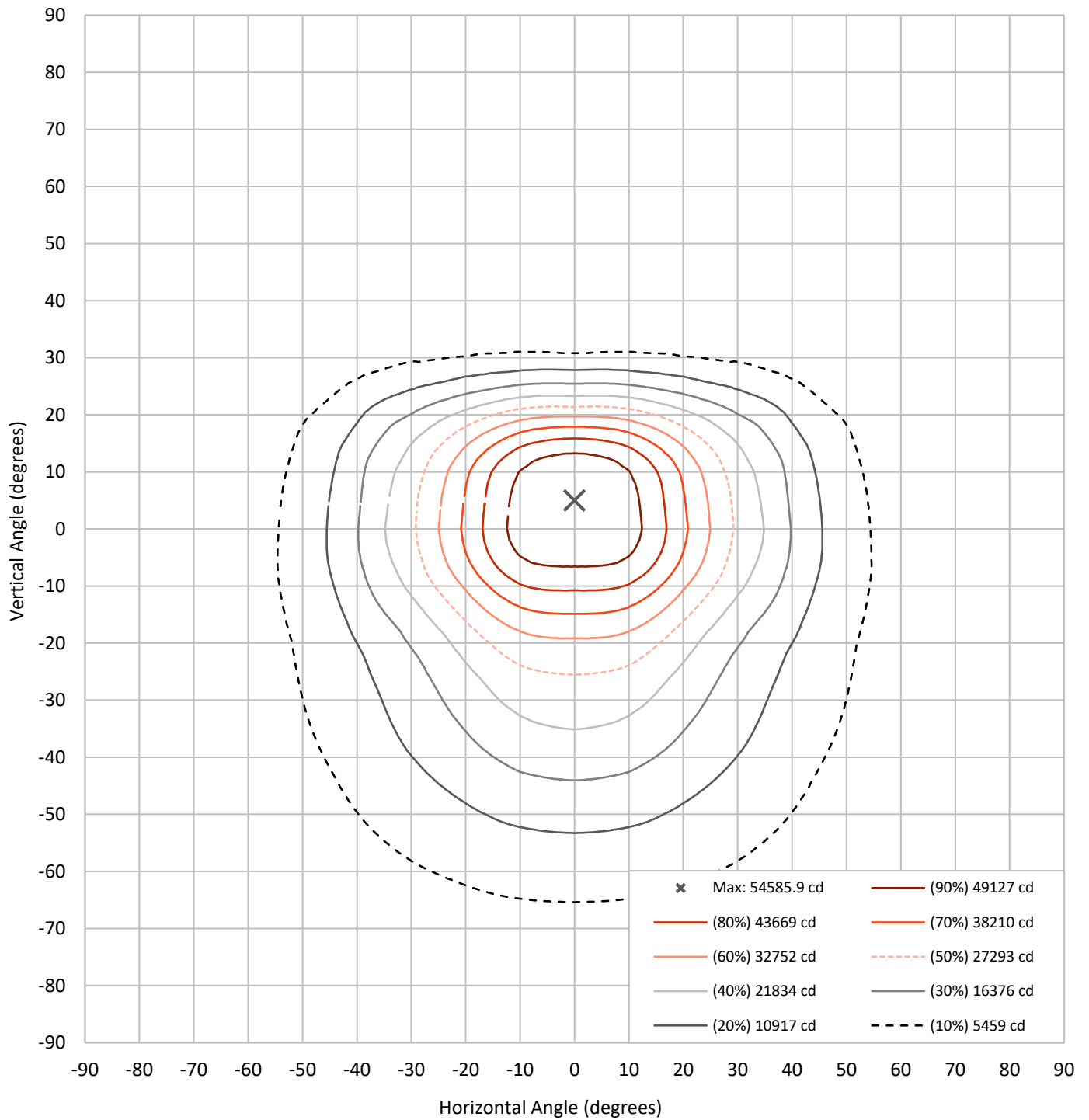
Test Method: LM-79-08  
Report Number: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-640L-40-70-7F-CV1-A  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	53485 lumens	Max Intensity:	54585.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	82.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.7°H x 46.8°V	Field Angle (10%):	107.9°H x 96.1°V
Beam Lumens:	25725.2 lumens	Field Lumens:	49582.2 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%
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-40-70-7F-CV1-A

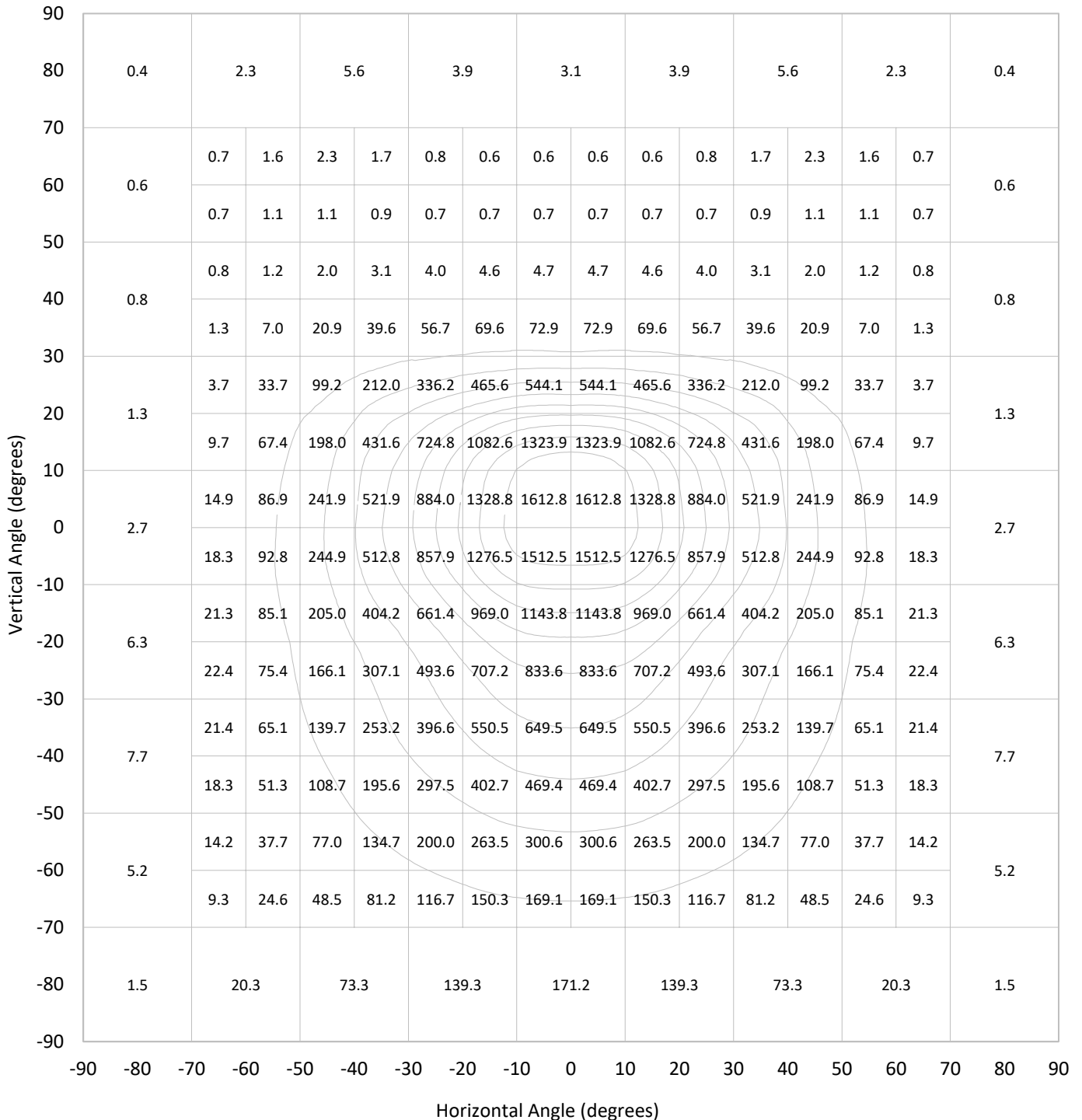
### Iso-Candela Plot





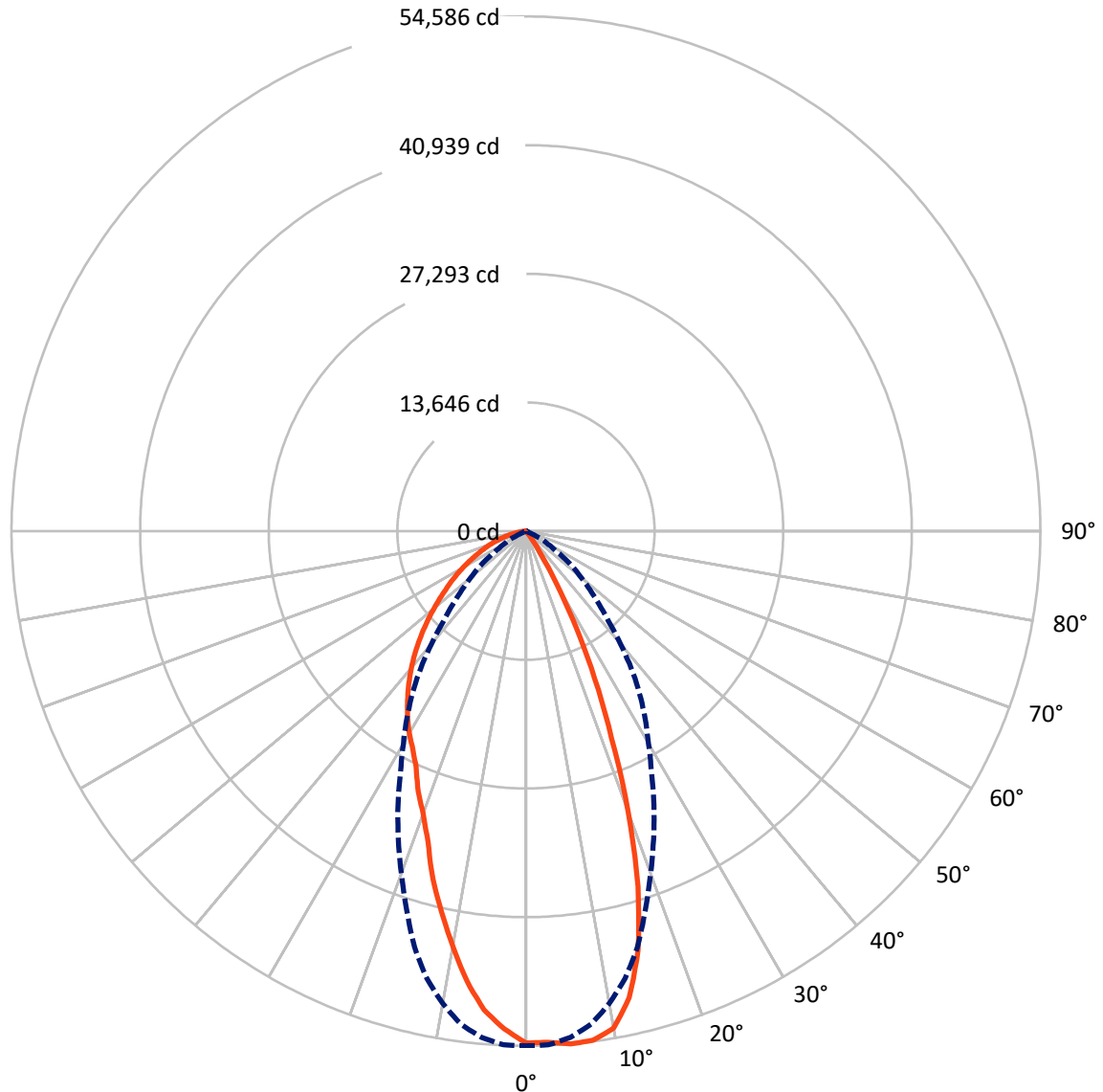
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### Lumen Table



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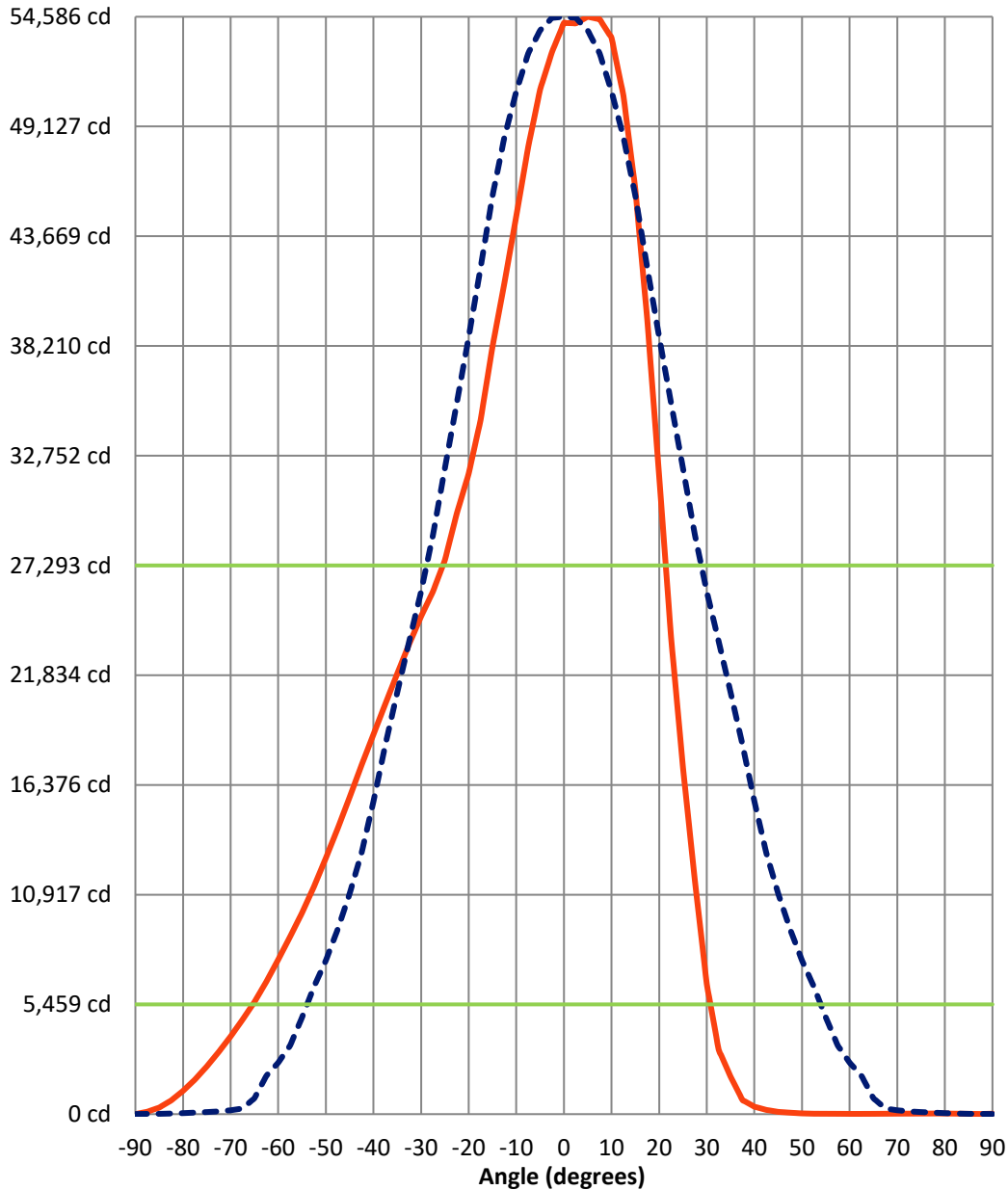
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 57.7°  
 V Angle: 46.8°  
 Lumens: 25725.2  
 Efficiency: 48.1%

**Field:**  
 H Angle: 107.9°  
 V Angle: 96.1°  
 Lumens: 49582.2  
 Efficiency: 92.7%

**Spill:**  
 Lumens: 3902.8  
 Efficiency: 7.3%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 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°	7.5	8.5	9.4	9.9	10.3	10.8	11.2	11.7	12.2	12.6	13.1
87.5°	7.5	8.7	10.0	10.1	10.4	10.8	11.4	11.2	11.0	10.7	10.3
85°	7.5	9.0	10.7	11.3	12.3	13.6	15.2	15.4	15.5	15.4	15.1
82.5°	7.5	9.3	11.3	12.5	14.2	16.4	19.0	19.7	20.0	21.0	23.3
80°	7.5	9.6	11.9	13.7	16.1	19.1	22.4	22.8	24.7	28.1	33.2
77.5°	7.5	9.8	12.5	14.9	18.0	21.0	23.2	25.2	29.1	34.9	40.8
75°	7.5	10.1	13.1	16.0	19.4	21.4	24.0	27.4	32.9	37.4	42.0
72.5°	7.5	10.3	13.7	17.1	19.5	21.7	24.7	29.1	33.8	38.4	43.1
70°	7.5	10.6	14.3	17.9	19.5	22.0	25.4	29.8	34.6	39.4	45.3
67.5°	7.5	10.8	14.8	17.8	19.5	22.2	26.1	30.4	35.3	41.6	47.8
65°	7.5	11.1	15.3	17.6	19.4	22.6	26.8	31.0	37.2	43.7	50.5
62.5°	7.5	11.3	15.8	17.4	19.3	23.4	27.6	32.3	39.0	45.8	53.8
60°	7.5	11.5	16.3	17.2	19.1	24.1	28.3	33.8	40.7	48.3	56.8
57.5°	7.5	11.7	16.2	16.9	19.7	24.8	29.8	35.2	42.4	50.6	58.3
55°	7.5	11.9	16.0	16.6	20.4	25.6	31.3	36.9	44.1	52.3	59.2
52.5°	7.5	12.1	15.9	16.3	21.0	26.4	32.7	38.7	45.4	53.3	60.1
50°	7.5	12.3	15.8	16.0	21.6	27.6	34.1	40.8	46.6	54.3	60.4
47.5°	7.5	12.4	15.7	15.8	22.2	28.7	35.6	43.0	47.5	55.3	61.5
45°	7.5	12.6	15.6	16.2	22.8	29.8	37.7	45.3	50.2	57.3	63.4
42.5°	7.5	12.7	15.6	16.6	23.4	30.9	39.9	48.0	53.4	59.9	66.6
40°	7.5	12.8	15.6	17.3	24.0	31.9	42.1	51.1	57.3	63.4	70.7
37.5°	7.5	13.0	15.6	18.2	24.8	32.9	44.5	54.4	62.4	69.6	75.9
35°	7.5	13.1	15.6	19.1	25.5	34.4	46.9	57.9	67.8	77.0	83.2
32.5°	7.5	13.1	15.6	20.0	26.1	36.3	49.5	61.6	73.4	85.4	97.1
30°	7.5	13.2	15.6	21.0	26.7	38.1	52.4	65.6	79.2	94.5	113.0
27.5°	7.5	13.3	15.7	22.0	28.7	39.9	55.3	70.4	85.8	104.5	130.7
25°	7.5	13.3	15.8	22.9	30.8	41.6	58.3	75.1	93.8	117.8	152.2
22.5°	7.5	13.4	15.9	23.9	33.1	44.2	61.3	79.9	102.1	133.4	223.4
20°	7.5	13.4	16.0	24.9	35.5	49.0	64.3	84.6	110.7	149.6	303.1
17.5°	7.5	13.4	16.1	25.9	37.9	53.8	69.8	89.2	119.3	166.4	389.4
15°	7.5	13.4	16.2	26.9	40.4	58.7	76.9	96.3	128.0	183.4	480.3
12.5°	7.5	13.4	16.3	27.8	42.9	63.6	83.8	106.5	141.4	200.4	573.3
10°	7.5	13.3	16.4	28.7	45.3	68.4	90.7	116.7	158.6	226.7	661.0
7.5°	7.5	13.3	16.5	29.6	47.7	73.1	97.4	126.8	175.8	253.9	732.2
5°	7.5	13.2	16.6	30.4	50.0	77.7	103.8	136.7	192.7	280.3	794.5
2.5°	7.5	13.2	16.7	31.1	52.2	82.0	110.1	146.2	209.0	305.6	846.8
0°	7.5	13.1	16.8	31.8	54.3	86.1	116.0	155.3	224.5	329.3	888.6
-2.5°	7.5	13.3	18.1	35.7	63.1	102.9	145.1	204.2	300.7	440.4	1004.6
-5°	7.5	13.6	19.4	39.5	71.6	119.2	173.5	251.8	374.7	548.1	1109.2
-7.5°	7.5	13.8	20.6	43.1	79.8	134.8	200.7	297.4	445.3	650.6	1202.4
-10°	7.5	14.0	21.8	46.4	87.5	149.5	226.6	340.4	511.4	746.4	1284.3
-12.5°	7.5	14.2	22.9	49.6	94.6	163.1	250.6	380.0	572.1	834.1	1360.7
-15°	7.5	14.3	24.0	52.4	101.0	175.4	272.6	415.7	629.6	913.3	1426.1
-17.5°	7.5	14.5	25.0	55.0	106.7	186.3	292.1	453.8	685.0	983.3	1476.7
-20°	7.5	14.6	25.9	57.2	111.6	195.5	313.4	492.8	733.9	1043.3	1511.9



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 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.5	14.7	26.6	59.0	115.6	203.0	338.8	526.8	775.7	1092.6	1531.4
-25°	7.5	14.8	27.3	60.3	118.6	214.4	360.5	555.3	810.0	1130.3	1534.7
-27.5°	7.5	14.8	27.9	61.3	120.6	226.0	378.2	578.0	836.3	1160.1	1571.1
-30°	7.5	14.8	28.3	61.8	122.0	235.0	391.5	594.6	858.8	1186.6	1594.1
-32.5°	7.5	14.8	28.6	61.8	126.6	241.3	400.4	608.8	875.7	1202.3	1601.0
-35°	7.5	14.8	28.8	61.3	129.6	244.8	406.8	617.8	884.0	1207.1	1591.6
-37.5°	7.5	14.8	28.8	60.3	131.0	246.4	409.9	620.2	883.7	1200.7	1544.6
-40°	7.5	14.7	28.7	58.8	130.7	247.3	408.6	616.0	874.6	1189.6	1494.9
-42.5°	7.5	14.6	28.5	57.5	130.0	245.5	403.2	605.0	860.8	1149.1	1435.9
-45°	7.5	14.5	28.1	56.8	129.2	241.0	393.4	589.9	840.1	1098.1	1369.3
-47.5°	7.5	14.3	27.5	55.3	127.0	233.9	379.4	572.6	810.2	1040.0	1303.2
-50°	7.5	14.1	26.8	54.8	123.4	224.0	365.5	549.5	760.1	981.9	1228.6
-52.5°	7.5	13.9	26.0	54.3	118.4	211.6	348.5	520.8	711.2	917.1	1146.7
-55°	7.5	13.7	25.1	53.1	112.2	201.1	327.9	487.4	660.1	846.1	1064.4
-57.5°	7.5	13.4	24.0	51.3	104.6	189.4	303.7	455.2	604.1	777.0	974.9
-60°	7.5	13.1	22.8	48.9	96.0	175.8	277.0	414.7	545.5	704.6	882.2
-62.5°	7.5	12.8	22.0	46.1	90.0	160.4	254.8	369.7	490.8	626.8	790.3
-65°	7.5	12.5	21.1	42.7	83.0	143.2	230.2	325.3	432.7	554.7	692.5
-67.5°	7.5	12.2	20.1	38.8	75.2	127.3	203.2	287.0	371.5	481.4	601.3
-70°	7.5	11.8	19.1	34.5	66.6	112.8	174.1	246.9	321.8	404.8	511.0
-72.5°	7.5	11.4	18.0	31.6	57.2	97.2	149.7	205.1	270.3	342.4	421.0
-75°	7.5	11.0	16.9	28.8	47.2	80.6	124.9	168.7	217.0	278.1	344.9
-77.5°	7.5	10.6	15.7	26.0	40.8	63.1	98.8	133.5	172.0	215.2	266.5
-80°	7.5	10.2	14.5	22.9	35.0	50.7	71.6	97.5	126.8	159.9	196.8
-82.5°	7.5	9.8	13.2	19.8	29.0	41.0	55.7	67.0	80.6	103.5	129.1
-85°	7.5	9.3	12.0	16.5	22.9	31.1	41.1	48.7	56.8	65.5	74.6
-87.5°	7.5	8.9	10.7	13.2	16.6	21.0	26.2	30.2	34.5	39.1	43.9
-90°	7.5	8.5	9.4	8.9	8.5	8.0	7.5	7.0	6.6	6.1	5.6



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	13.1	13.1	13.1	13.1	13.6	14.1	14.5	15.0	15.9	16.9	17.8
87.5°	11.0	11.7	12.4	13.1	12.2	11.0	9.8	8.3	8.7	9.2	9.7
85°	16.4	17.7	19.4	20.6	19.7	18.9	18.3	17.9	18.9	19.7	20.4
82.5°	25.6	27.1	28.0	28.2	28.8	29.7	31.3	34.6	36.7	38.2	39.0
80°	35.7	36.7	37.5	39.9	44.4	49.6	55.5	61.9	64.0	64.2	63.5
77.5°	41.9	44.1	48.5	55.0	62.4	69.7	77.9	86.7	89.3	88.5	86.8
75°	45.4	50.8	58.5	67.9	77.6	87.6	98.2	108.2	111.0	107.9	103.7
72.5°	48.9	57.1	67.3	79.6	90.2	100.5	111.9	124.5	128.9	122.4	114.9
70°	52.4	62.7	74.4	86.5	98.7	110.3	121.4	133.5	140.6	130.6	115.5
67.5°	55.4	67.3	79.7	92.2	103.2	114.7	127.2	132.3	135.5	119.5	102.3
65°	58.9	71.5	82.8	93.9	105.6	110.3	114.4	118.8	118.2	99.8	81.6
62.5°	62.4	72.7	83.5	92.2	95.1	97.9	97.9	95.1	90.7	78.1	62.4
60°	63.6	72.6	80.0	83.0	83.7	81.0	77.5	73.9	68.5	57.9	47.2
57.5°	64.3	69.1	72.6	73.5	70.3	65.0	62.5	57.0	52.3	46.2	37.4
55°	64.0	63.4	65.4	63.7	59.9	55.5	51.1	47.5	41.8	39.9	35.9
52.5°	62.3	59.5	58.6	56.6	54.0	49.6	45.3	42.4	41.0	38.7	35.4
50°	61.8	58.1	53.6	53.5	51.4	48.1	43.5	43.0	43.0	41.0	37.2
47.5°	62.5	58.2	52.5	52.6	52.8	54.0	50.1	48.4	49.0	54.5	48.7
45°	64.6	62.3	56.3	56.2	61.4	68.4	74.6	57.4	74.8	83.4	90.3
42.5°	67.9	69.0	72.1	61.4	81.2	106.2	118.3	124.4	118.0	145.2	173.4
40°	75.5	78.1	99.0	107.2	115.7	167.5	239.2	256.0	194.5	270.5	317.4
37.5°	84.7	111.2	147.5	191.4	187.5	295.5	407.9	494.0	485.5	459.1	657.4
35°	95.4	151.9	249.9	347.8	390.7	493.1	700.3	850.5	939.8	993.7	1157.0
32.5°	124.8	200.1	377.8	585.8	764.8	866.3	1062.0	1391.1	1702.4	1888.3	1886.5
30°	176.4	318.9	558.4	877.9	1225.9	1511.3	1673.2	2096.1	2689.4	3111.5	3392.7
27.5°	252.6	463.2	837.0	1299.9	1787.4	2272.0	2595.0	3144.5	3943.0	4586.2	5187.0
25°	345.8	692.4	1150.9	1801.7	2518.6	3134.2	3598.8	4362.5	5374.3	6383.1	7388.3
22.5°	494.1	958.6	1499.1	2350.3	3325.5	4025.2	4707.6	5638.5	6808.7	8225.0	9757.6
20°	700.9	1268.4	1871.0	2780.8	4132.5	4932.2	5770.1	6881.1	8245.9	9967.2	12013.4
17.5°	924.2	1560.9	2235.7	3249.9	4568.7	5676.9	6801.9	8068.1	9597.6	11594.4	13798.6
15°	1159.2	1836.0	2561.5	3668.7	4977.1	6174.3	7505.5	9152.3	10956.0	13115.5	15421.1
12.5°	1400.1	2093.5	2850.1	4037.6	5366.9	6625.0	8044.7	9757.4	11855.7	14388.8	16809.2
10°	1641.0	2333.5	3103.9	4357.3	5732.6	7028.0	8507.7	10260.1	12394.9	14932.8	17549.0
7.5°	1788.6	2491.8	3311.3	4628.8	6068.0	7382.4	8896.4	10663.9	12768.4	15321.8	18018.0
5°	1900.4	2563.0	3419.0	4813.7	6333.2	7644.9	9199.7	10973.4	12993.3	15558.8	18374.3
2.5°	1987.2	2615.5	3505.1	4951.2	6533.6	7787.7	9380.2	11171.4	13227.6	15853.3	18733.9
0°	2048.5	2650.9	3567.6	5045.5	6684.3	7879.8	9498.0	11290.2	13391.1	16109.4	19054.0
-2.5°	2108.1	2760.5	3694.7	5165.8	6706.1	7893.5	9542.8	11295.1	13391.0	16059.7	18921.3
-5°	2145.5	2851.7	3795.0	5241.6	6683.8	7865.3	9518.1	11227.3	13245.2	15768.6	18429.6
-7.5°	2164.9	2921.5	3867.4	5253.0	6568.4	7699.3	9220.6	10827.3	12763.4	15128.0	17581.6
-10°	2175.2	2963.6	3859.7	5094.9	6328.6	7432.6	8823.3	10362.6	12186.5	14385.3	16655.5
-12.5°	2203.8	2986.4	3824.8	4922.2	6068.2	7131.0	8382.8	9840.4	11517.2	13554.8	15637.6
-15°	2219.3	2997.9	3776.2	4744.1	5794.5	6797.0	7906.0	9265.8	10792.3	12614.9	14462.9
-17.5°	2223.7	3000.0	3717.0	4568.6	5514.1	6432.9	7436.8	8773.3	10163.2	11737.1	13313.2
-20°	2218.8	2994.4	3649.9	4403.5	5238.5	6168.4	7181.8	8347.9	9592.0	10922.9	12235.9



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 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2206.5	2982.7	3593.3	4286.3	5106.2	5995.1	6927.3	7936.3	9006.9	10162.5	11494.1
-25°	2200.4	2939.9	3555.5	4203.4	4978.1	5812.9	6659.7	7556.2	8489.5	9699.8	10969.9
-27.5°	2190.7	2894.6	3481.2	4088.3	4829.9	5628.7	6423.0	7241.2	8199.5	9286.8	10465.4
-30°	2161.8	2785.2	3380.2	3953.6	4673.1	5442.7	6201.2	6979.0	7885.7	8910.9	10004.3
-32.5°	2080.5	2661.0	3246.0	3822.0	4484.3	5238.8	5972.2	6726.4	7567.5	8486.1	9538.0
-35°	1989.5	2533.0	3095.5	3658.8	4263.8	4991.5	5705.1	6434.1	7214.9	8076.7	9057.3
-37.5°	1923.2	2395.4	2934.3	3474.9	4055.6	4702.1	5401.9	6103.6	6842.8	7664.0	8591.6
-40°	1844.3	2248.7	2770.8	3288.2	3816.8	4412.8	5066.6	5740.0	6434.0	7253.0	8103.0
-42.5°	1756.0	2146.6	2601.3	3090.2	3588.7	4130.5	4713.9	5354.7	6050.9	6812.8	7611.0
-45°	1679.9	2031.9	2431.7	2889.2	3352.4	3843.2	4384.2	4957.1	5644.9	6353.7	7094.9
-47.5°	1593.2	1912.1	2288.0	2676.8	3113.1	3565.7	4044.2	4602.2	5213.1	5876.9	6556.8
-50°	1499.5	1803.4	2124.1	2485.6	2872.2	3286.5	3723.4	4232.5	4790.2	5383.2	6008.9
-52.5°	1405.3	1683.6	1978.8	2293.5	2644.6	3016.8	3421.6	3875.0	4368.5	4888.2	5440.2
-55°	1302.1	1562.0	1830.6	2116.0	2422.2	2760.0	3121.8	3527.2	3951.5	4422.6	4886.9
-57.5°	1195.9	1431.0	1678.8	1943.0	2218.3	2505.5	2833.4	3176.7	3560.2	3962.8	4372.6
-60°	1085.1	1295.7	1520.2	1763.2	2018.9	2277.7	2543.3	2847.5	3173.0	3507.6	3873.8
-62.5°	968.8	1157.9	1358.7	1574.1	1808.2	2042.3	2280.5	2532.2	2795.9	3096.4	3402.0
-65°	853.7	1016.5	1195.2	1386.9	1587.4	1797.7	2011.2	2226.8	2457.5	2705.2	2962.4
-67.5°	732.3	879.3	1033.0	1195.7	1373.7	1552.3	1738.7	1933.5	2129.6	2330.2	2541.5
-70°	622.9	739.6	873.5	1015.5	1159.2	1305.5	1466.6	1633.9	1804.7	1975.4	2150.9
-72.5°	512.7	612.9	720.0	833.4	954.1	1074.6	1200.3	1330.8	1469.6	1613.3	1759.1
-75°	412.5	483.6	571.3	665.9	758.1	848.7	943.1	1049.2	1159.1	1269.8	1380.3
-77.5°	320.0	376.6	437.6	502.8	566.9	639.7	714.3	790.4	869.9	951.6	1034.3
-80°	231.6	267.5	312.5	361.1	407.6	454.8	503.2	552.8	604.6	661.8	723.6
-82.5°	153.5	179.0	205.8	233.8	259.7	285.4	313.0	346.7	380.8	415.7	451.4
-85°	82.1	89.7	105.4	122.1	138.6	155.2	171.7	188.2	205.1	221.6	237.6
-87.5°	47.6	51.4	55.3	59.2	63.3	67.5	71.7	75.8	81.4	87.0	92.7
-90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	18.7	19.2	19.7	20.1	20.6	21.1	21.5	22.0	22.4	22.9	23.4
87.5°	10.2	9.5	8.7	8.0	7.2	9.3	11.6	14.0	16.3	15.1	13.8
85°	20.8	20.9	21.0	21.1	21.2	23.6	26.1	28.4	30.7	28.4	25.9
82.5°	39.2	38.6	37.2	35.2	32.6	32.0	31.2	30.0	28.6	27.3	26.2
80°	62.1	59.0	54.9	50.0	44.6	41.8	39.2	36.4	33.2	32.3	31.5
77.5°	83.5	77.7	70.8	63.4	55.4	50.4	45.9	41.1	35.9	34.5	33.6
75°	98.6	91.2	81.4	70.9	59.8	52.0	45.9	39.8	33.7	32.2	32.0
72.5°	106.4	96.2	83.7	69.0	54.9	45.6	39.8	34.7	30.1	28.4	27.7
70°	100.0	84.6	70.1	56.6	44.1	35.7	31.6	28.0	24.8	24.0	24.5
67.5°	84.5	68.9	55.8	44.1	34.1	27.3	24.9	23.0	21.6	21.1	21.1
65°	66.0	52.9	42.2	33.3	26.1	22.0	21.2	20.4	19.7	19.0	18.4
62.5°	48.7	38.7	32.0	26.9	23.1	20.6	19.9	19.1	18.1	17.2	16.5
60°	37.9	30.1	26.7	24.5	22.6	20.9	20.2	19.8	19.5	19.2	18.7
57.5°	33.0	29.0	25.9	24.6	23.5	22.7	22.3	21.9	21.3	20.5	19.9
55°	32.2	29.1	26.4	25.7	25.2	24.6	24.0	23.3	22.6	21.8	21.4
52.5°	32.2	30.9	28.8	27.9	28.3	27.6	26.0	26.8	26.9	26.2	25.8
50°	36.5	36.8	37.2	34.1	37.3	38.7	36.8	38.4	40.7	41.0	40.8
47.5°	51.7	55.1	59.5	56.1	60.2	66.4	65.9	66.3	71.9	72.7	72.5
45°	82.4	97.3	104.3	108.4	106.8	121.3	124.1	119.4	127.1	128.5	126.3
42.5°	165.0	173.2	191.8	206.6	198.1	213.1	217.5	203.9	217.1	223.1	216.7
40°	369.4	293.7	348.8	386.8	373.5	344.4	394.8	376.7	375.0	396.0	379.5
37.5°	729.3	647.4	703.8	812.2	808.3	671.7	824.0	814.2	684.4	838.2	824.8
35°	1308.0	1459.5	1391.9	1594.7	1653.4	1684.0	1768.5	1855.8	1760.2	1886.1	1882.8
32.5°	2342.0	2656.3	2795.3	2820.0	3080.2	3292.3	3202.5	3542.8	3522.0	3607.1	3693.9
30°	3697.3	4398.0	4752.6	4761.4	5193.2	5573.3	5693.8	6120.8	6373.4	6331.4	6754.3
27.5°	5899.0	6587.4	7171.4	7669.7	8006.2	8605.5	9439.6	9860.5	10480.9	10724.2	11308.9
25°	8386.8	9242.0	10164.0	11031.2	11743.3	12816.8	13854.9	14509.4	15397.2	16092.9	16799.9
22.5°	11081.9	12216.4	13399.3	14696.5	16021.0	17330.6	18591.5	19801.0	20984.5	22291.8	23091.0
20°	13837.2	15119.6	16559.4	18317.5	20155.0	21734.3	23456.6	25352.9	27165.9	28853.2	30127.8
17.5°	15931.1	17915.4	19475.3	21377.2	23659.2	25883.9	28079.6	30580.3	32886.8	35038.2	36956.9
15°	17530.0	19610.2	21871.0	24166.8	26570.7	29219.6	32239.9	34976.3	37825.4	40355.7	42725.3
12.5°	18923.7	21035.6	23401.6	26079.1	29111.2	31955.2	35120.5	38542.7	41565.5	44538.0	46761.4
10°	19952.4	22298.3	24697.0	27389.0	30481.0	33801.4	37231.8	40691.0	44080.4	46949.9	49338.6
7.5°	20519.8	23011.3	25520.9	28332.1	31511.1	34777.0	38203.9	41815.6	45227.2	48182.3	50376.0
5°	20981.7	23514.6	25995.3	28817.7	32129.9	35374.2	38657.0	42104.1	45676.3	48591.0	50873.3
2.5°	21384.9	23856.2	26276.0	29023.9	32437.3	35696.1	39071.4	42644.7	46099.1	48910.7	51132.4
0°	21734.8	24067.7	26434.3	29158.1	32727.6	36025.8	39346.5	42843.0	46361.9	49100.8	51349.5
-2.5°	21481.6	23769.1	26101.0	28885.3	32289.3	35533.7	38873.2	42413.9	45747.0	48521.2	50701.3
-5°	20821.6	23025.0	25340.5	28118.0	31367.4	34545.3	37840.2	41250.8	44383.9	47157.5	49162.9
-7.5°	19856.5	22013.6	24320.1	27054.0	30077.7	32962.0	35906.7	39068.2	42186.8	44635.5	46545.7
-10°	18783.8	20836.7	22959.7	25364.2	28041.5	30735.5	33441.3	36380.2	39128.1	41427.4	43266.1
-12.5°	17510.1	19333.7	21288.5	23385.7	25843.7	28409.5	30989.7	33564.0	36098.4	38166.8	39832.5
-15°	16134.5	17747.1	19532.4	21560.9	23751.0	26015.2	28342.7	30801.0	33083.5	35010.1	36478.7
-17.5°	14777.4	16221.5	18036.0	19880.4	21650.2	23726.4	26041.3	28074.2	30157.0	31887.2	33184.5
-20°	13627.0	15180.6	16758.3	18334.2	20024.9	22043.4	24006.1	25922.7	27773.7	29349.0	30639.0



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12877.0	14242.0	15588.4	17078.9	18797.7	20578.9	22355.3	24097.8	25773.0	27269.5	28496.4
-25°	12195.1	13350.2	14683.4	16196.8	17648.1	19210.6	20887.8	22344.2	23933.3	25288.5	26338.2
-27.5°	11598.9	12742.0	14050.4	15411.6	16724.3	18132.5	19660.2	21050.3	22480.2	23783.3	24699.3
-30°	11079.8	12264.0	13494.3	14739.6	15975.8	17278.8	18606.5	19950.1	21262.1	22443.6	23324.0
-32.5°	10637.5	11748.4	12902.2	14061.1	15188.2	16375.0	17606.7	18841.9	20057.4	21091.2	21953.2
-35°	10134.5	11198.0	12270.1	13310.9	14354.9	15416.5	16559.6	17715.9	18803.5	19747.4	20588.8
-37.5°	9573.2	10597.9	11576.4	12523.7	13491.5	14473.2	15532.0	16594.3	17593.3	18447.7	19249.9
-40°	9014.7	9948.4	10834.6	11718.8	12606.0	13525.3	14483.0	15434.2	16311.0	17119.1	17866.8
-42.5°	8434.3	9251.6	10058.2	10881.4	11699.8	12528.8	13384.3	14249.3	15030.7	15767.7	16430.4
-45°	7848.7	8550.1	9262.7	10016.8	10764.1	11508.3	12248.9	12979.1	13710.7	14397.5	14957.3
-47.5°	7226.0	7858.9	8505.9	9154.1	9823.9	10503.2	11150.7	11782.8	12428.9	13042.7	13505.2
-50°	6597.6	7183.6	7768.4	8339.5	8931.5	9529.1	10119.0	10675.4	11216.7	11738.7	12100.2
-52.5°	5964.6	6506.6	7042.4	7559.0	8072.6	8581.9	9081.8	9575.3	10049.7	10497.0	10783.7
-55°	5363.5	5846.9	6318.1	6769.2	7222.5	7669.8	8110.7	8542.4	8951.8	9336.5	9557.6
-57.5°	4798.3	5219.2	5631.8	6020.2	6399.7	6768.3	7157.9	7550.2	7918.9	8249.4	8427.6
-60°	4247.4	4626.6	4980.7	5305.4	5630.8	5954.5	6282.7	6606.7	6922.3	7196.8	7350.2
-62.5°	3705.6	4029.7	4331.1	4610.4	4879.2	5146.6	5431.3	5704.6	5964.5	6176.4	6306.4
-65°	3231.1	3505.6	3731.2	3953.6	4174.4	4409.6	4646.1	4871.6	5085.1	5251.1	5360.6
-67.5°	2769.6	2995.4	3183.2	3367.8	3552.6	3739.5	3929.9	4114.4	4291.6	4425.8	4521.0
-70°	2330.8	2501.4	2648.6	2798.8	2952.0	3104.8	3257.7	3405.1	3545.7	3648.0	3724.6
-72.5°	1906.4	2038.3	2152.8	2269.5	2384.6	2502.9	2621.5	2735.4	2843.8	2917.0	2970.8
-75°	1490.1	1585.7	1677.6	1766.6	1852.4	1940.4	2027.6	2110.9	2189.8	2245.3	2289.5
-77.5°	1121.9	1189.8	1249.7	1308.4	1365.5	1426.7	1486.5	1542.9	1595.6	1634.2	1666.7
-80°	785.9	829.7	867.9	903.9	937.5	975.4	1012.5	1047.6	1080.4	1102.9	1120.8
-82.5°	487.7	513.4	536.4	557.5	576.8	596.7	615.1	631.8	646.7	664.4	680.7
-85°	253.0	263.6	273.3	282.4	290.7	298.8	306.1	312.7	318.4	321.6	323.9
-87.5°	98.4	100.8	103.1	105.2	107.1	109.6	112.0	114.3	116.4	118.3	120.1
-90°	5.6	5.1	4.7	4.2	3.7	3.7	3.7	3.7	3.7	3.7	3.7



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	23.8	24.3	24.3	24.3	24.3	24.3	23.8	23.4	22.9	22.4	22.0
87.5°	12.5	11.2	10.3	9.4	10.3	11.2	12.5	13.8	15.1	16.3	14.0
85°	23.2	20.5	18.7	16.8	18.7	20.5	23.2	25.9	28.4	30.7	28.4
82.5°	25.2	24.3	24.3	24.3	24.3	24.3	25.2	26.2	27.3	28.6	30.0
80°	30.7	29.8	30.8	31.8	30.8	29.8	30.7	31.5	32.3	33.2	36.4
77.5°	32.7	31.8	31.8	31.8	31.8	31.8	32.7	33.6	34.5	35.9	41.1
75°	31.9	31.8	30.9	29.9	30.9	31.8	31.9	32.0	32.2	33.7	39.8
72.5°	27.1	26.4	26.2	26.2	26.2	26.4	27.1	27.7	28.4	30.1	34.7
70°	25.2	26.1	25.3	24.3	25.3	26.1	25.2	24.5	24.0	24.8	28.0
67.5°	21.0	20.8	20.6	20.6	20.6	20.8	21.0	21.1	21.1	21.6	23.0
65°	17.7	17.0	16.8	16.8	16.8	17.0	17.7	18.4	19.0	19.7	20.4
62.5°	15.8	15.2	15.0	15.0	15.0	15.2	15.8	16.5	17.2	18.1	19.1
60°	17.9	17.0	16.0	15.0	16.0	17.0	17.9	18.7	19.2	19.5	19.8
57.5°	19.3	18.8	18.7	18.7	18.7	18.8	19.3	19.9	20.5	21.3	21.9
55°	21.1	20.7	20.6	20.6	20.6	20.7	21.1	21.4	21.8	22.6	23.3
52.5°	25.3	24.5	23.5	22.4	23.5	24.5	25.3	25.8	26.2	26.9	26.8
50°	40.0	38.1	37.1	37.4	37.1	38.1	40.0	40.8	41.0	40.7	38.4
47.5°	73.9	73.8	73.5	73.0	73.5	73.8	73.9	72.5	72.7	71.9	66.3
45°	125.7	120.6	115.9	114.1	115.9	120.6	125.7	126.3	128.5	127.1	119.4
42.5°	220.9	219.8	215.9	211.4	215.9	219.8	220.9	216.7	223.1	217.1	203.9
40°	383.9	378.7	369.7	372.3	369.7	378.7	383.9	379.5	396.0	375.0	376.7
37.5°	799.5	761.1	703.0	703.4	703.0	761.1	799.5	824.8	838.2	684.4	814.2
35°	1871.4	1902.8	1865.6	1865.2	1865.6	1902.8	1871.4	1882.8	1886.1	1760.2	1855.8
32.5°	3581.2	3529.2	3318.3	3208.4	3318.3	3529.2	3581.2	3693.9	3607.1	3522.0	3542.8
30°	6746.8	6780.3	6464.1	6471.1	6464.1	6780.3	6746.8	6754.3	6331.4	6373.4	6120.8
27.5°	11544.7	11801.6	11734.0	11621.4	11734.0	11801.6	11544.7	11308.9	10724.2	10480.9	9860.5
25°	17263.5	17457.0	17327.5	17248.7	17327.5	17457.0	17263.5	16799.9	16092.9	15397.2	14509.4
22.5°	23867.1	24136.4	24068.8	23727.2	24068.8	24136.4	23867.1	23091.0	22291.8	20984.5	19801.0
20°	31177.4	31638.8	31906.8	31734.2	31906.8	31638.8	31177.4	30127.8	28853.2	27165.9	25352.9
17.5°	38319.5	38914.5	39370.7	39524.2	39370.7	38914.5	38319.5	36956.9	35038.2	32886.8	30580.3
15°	44325.1	45176.0	45775.2	45987.8	45775.2	45176.0	44325.1	42725.3	40355.7	37825.4	34976.3
12.5°	48635.0	49742.5	50445.3	50656.4	50445.3	49742.5	48635.0	46761.4	44538.0	41565.5	38542.7
10°	51005.1	52401.0	53200.9	53534.6	53200.9	52401.0	51005.1	49338.6	46949.9	44080.4	40691.0
7.5°	52329.2	53590.0	54345.9	54457.8	54345.9	53590.0	52329.2	50376.0	48182.3	45227.2	41815.6
5°	52758.9	53904.4	54528.3	54585.9	54528.3	53904.4	52758.9	50873.3	48591.0	45676.3	42104.1
2.5°	52947.2	53915.2	54375.3	54257.6	54375.3	53915.2	52947.2	51132.4	48910.7	46099.1	42644.7
0°	52850.8	53716.0	54204.3	54277.3	54204.3	53716.0	52850.8	51349.5	49100.8	46361.9	42843.0
-2.5°	52065.9	52710.3	53056.6	52834.0	53056.6	52710.3	52065.9	50701.3	48521.2	45747.0	42413.9
-5°	50276.6	50740.1	50884.8	50966.0	50884.8	50740.1	50276.6	49162.9	47157.5	44383.9	41250.8
-7.5°	47690.3	48068.5	48211.3	48111.2	48211.3	48068.5	47690.3	46545.7	44635.5	42186.8	39068.2
-10°	44281.3	44628.0	44749.1	44680.1	44749.1	44628.0	44281.3	43266.1	41427.4	39128.1	36380.2
-12.5°	40830.6	41241.5	41335.7	41341.6	41335.7	41241.5	40830.6	39832.5	38166.8	36098.4	33564.0
-15°	37438.5	37908.2	38051.7	38177.2	38051.7	37908.2	37438.5	36478.7	35010.1	33083.5	30801.0
-17.5°	34105.3	34571.9	34693.0	34529.2	34693.0	34571.9	34105.3	33184.5	31887.2	30157.0	28074.2
-20°	31365.4	31607.3	31865.4	31863.3	31865.4	31607.3	31365.4	30639.0	29349.0	27773.7	25922.7



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	29102.5	29502.5	29722.3	29878.4	29722.3	29502.5	29102.5	28496.4	27269.5	25773.0	24097.8
-25°	26980.2	27319.8	27456.4	27560.5	27456.4	27319.8	26980.2	26338.2	25288.5	23933.3	22344.2
-27.5°	25345.3	25689.9	25884.8	26000.3	25884.8	25689.9	25345.3	24699.3	23783.3	22480.2	21050.3
-30°	24041.4	24380.0	24612.2	24758.0	24612.2	24380.0	24041.4	23324.0	22443.6	21262.1	19950.1
-32.5°	22636.4	22990.6	23232.6	23383.0	23232.6	22990.6	22636.4	21953.2	21091.2	20057.4	18841.9
-35°	21176.4	21530.7	21791.9	21914.4	21791.9	21530.7	21176.4	20588.8	19747.4	18803.5	17715.9
-37.5°	19758.0	20088.7	20319.6	20410.3	20319.6	20088.7	19758.0	19249.9	18447.7	17593.3	16594.3
-40°	18279.5	18591.5	18806.0	18889.4	18806.0	18591.5	18279.5	17866.8	17119.1	16311.0	15434.2
-42.5°	16788.6	17079.7	17277.7	17360.9	17277.7	17079.7	16788.6	16430.4	15767.7	15030.7	14249.3
-45°	15278.4	15537.3	15704.9	15768.9	15704.9	15537.3	15278.4	14957.3	14397.5	13710.7	12979.1
-47.5°	13791.8	14025.3	14169.4	14216.1	14169.4	14025.3	13791.8	13505.2	13042.7	12428.9	11782.8
-50°	12340.8	12532.0	12663.9	12738.2	12663.9	12532.0	12340.8	12100.2	11738.7	11216.7	10675.4
-52.5°	10998.6	11172.4	11275.8	11316.4	11275.8	11172.4	10998.6	10783.7	10497.0	10049.7	9575.3
-55°	9740.7	9891.0	9978.9	10014.3	9978.9	9891.0	9740.7	9557.6	9336.5	8951.8	8542.4
-57.5°	8579.0	8702.2	8785.1	8832.0	8785.1	8702.2	8579.0	8427.6	8249.4	7918.9	7550.2
-60°	7477.6	7578.6	7648.2	7689.0	7648.2	7578.6	7477.6	7350.2	7196.8	6922.3	6606.7
-62.5°	6414.4	6500.2	6556.5	6588.9	6556.5	6500.2	6414.4	6306.4	6176.4	5964.5	5704.6
-65°	5453.1	5528.3	5564.7	5578.7	5564.7	5528.3	5453.1	5360.6	5251.1	5085.1	4871.6
-67.5°	4602.7	4670.4	4694.9	4699.4	4694.9	4670.4	4602.7	4521.0	4425.8	4291.6	4114.4
-70°	3790.8	3846.0	3864.6	3866.9	3864.6	3846.0	3790.8	3724.6	3648.0	3545.7	3405.1
-72.5°	3015.1	3049.8	3076.7	3094.3	3076.7	3049.8	3015.1	2970.8	2917.0	2843.8	2735.4
-75°	2326.6	2356.4	2369.3	2374.0	2369.3	2356.4	2326.6	2289.5	2245.3	2189.8	2110.9
-77.5°	1694.4	1717.0	1722.2	1721.1	1722.2	1717.0	1694.4	1666.7	1634.2	1595.6	1542.9
-80°	1135.0	1145.6	1152.5	1156.1	1152.5	1145.6	1135.0	1120.8	1102.9	1080.4	1047.6
-82.5°	695.4	708.2	695.0	679.1	695.0	708.2	695.4	680.7	664.4	646.7	631.8
-85°	325.3	325.9	327.0	327.4	327.0	325.9	325.3	323.9	321.6	318.4	312.7
-87.5°	121.7	123.1	122.5	121.6	122.5	123.1	121.7	120.1	118.3	116.4	114.3
-90°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21.5	21.1	20.6	20.1	19.7	19.2	18.7	17.8	16.9	15.9	15.0
87.5°	11.6	9.3	7.2	8.0	8.7	9.5	10.2	9.7	9.2	8.7	8.3
85°	26.1	23.6	21.2	21.1	21.0	20.9	20.8	20.4	19.7	18.9	17.9
82.5°	31.2	32.0	32.6	35.2	37.2	38.6	39.2	39.0	38.2	36.7	34.6
80°	39.2	41.8	44.6	50.0	54.9	59.0	62.1	63.5	64.2	64.0	61.9
77.5°	45.9	50.4	55.4	63.4	70.8	77.7	83.5	86.8	88.5	89.3	86.7
75°	45.9	52.0	59.8	70.9	81.4	91.2	98.6	103.7	107.9	111.0	108.2
72.5°	39.8	45.6	54.9	69.0	83.7	96.2	106.4	114.9	122.4	128.9	124.5
70°	31.6	35.7	44.1	56.6	70.1	84.6	100.0	115.5	130.6	140.6	133.5
67.5°	24.9	27.3	34.1	44.1	55.8	68.9	84.5	102.3	119.5	135.5	132.3
65°	21.2	22.0	26.1	33.3	42.2	52.9	66.0	81.6	99.8	118.2	118.8
62.5°	19.9	20.6	23.1	26.9	32.0	38.7	48.7	62.4	78.1	90.7	95.1
60°	20.2	20.9	22.6	24.5	26.7	30.1	37.9	47.2	57.9	68.5	73.9
57.5°	22.3	22.7	23.5	24.6	25.9	29.0	33.0	37.4	46.2	52.3	57.0
55°	24.0	24.6	25.2	25.7	26.4	29.1	32.2	35.9	39.9	41.8	47.5
52.5°	26.0	27.6	28.3	27.9	28.8	30.9	32.2	35.4	38.7	41.0	42.4
50°	36.8	38.7	37.3	34.1	37.2	36.8	36.5	37.2	41.0	43.0	43.0
47.5°	65.9	66.4	60.2	56.1	59.5	55.1	51.7	48.7	54.5	49.0	48.4
45°	124.1	121.3	106.8	108.4	104.3	97.3	82.4	90.3	83.4	74.8	57.4
42.5°	217.5	213.1	198.1	206.6	191.8	173.2	165.0	173.4	145.2	118.0	124.4
40°	394.8	344.4	373.5	386.8	348.8	293.7	369.4	317.4	270.5	194.5	256.0
37.5°	824.0	671.7	808.3	812.2	703.8	647.4	729.3	657.4	459.1	485.5	494.0
35°	1768.5	1684.0	1653.4	1594.7	1391.9	1459.5	1308.0	1157.0	993.7	939.8	850.5
32.5°	3202.5	3292.3	3080.2	2820.0	2795.3	2656.3	2342.0	1886.5	1888.3	1702.4	1391.1
30°	5693.8	5573.3	5193.2	4761.4	4752.6	4398.0	3697.3	3392.7	3111.5	2689.4	2096.1
27.5°	9439.6	8605.5	8006.2	7669.7	7171.4	6587.4	5899.0	5187.0	4586.2	3943.0	3144.5
25°	13854.9	12816.8	11743.3	11031.2	10164.0	9240.0	8386.8	7388.3	6383.1	5374.3	4362.5
22.5°	18591.5	17330.6	16021.0	14696.5	13399.3	12216.4	11081.9	9757.6	8225.0	6808.7	5638.5
20°	23456.6	21734.3	20155.0	18317.5	16559.4	15119.6	13837.2	12013.4	9967.2	8245.9	6881.1
17.5°	28079.6	25883.9	23659.2	21377.2	19475.3	17915.4	15931.1	13798.6	11594.4	9597.6	8068.1
15°	32239.9	29219.6	26570.7	24166.8	21871.0	19610.2	17530.0	15421.1	13115.5	10956.0	9152.3
12.5°	35120.5	31955.2	29111.2	26079.1	23401.6	21035.6	18923.7	16809.2	14388.8	11855.7	9757.4
10°	37231.8	33801.4	30481.0	27389.0	24697.0	22298.3	19952.4	17549.0	14932.8	12394.9	10260.1
7.5°	38203.9	34777.0	31511.1	28332.1	25520.9	23011.3	20519.8	18018.0	15321.8	12768.4	10663.9
5°	38657.0	35374.2	32129.9	28817.7	25995.3	23514.6	20981.7	18374.3	15558.8	12993.3	10973.4
2.5°	39071.4	35696.1	32437.3	29023.9	26276.0	23856.2	21384.9	18733.9	15853.3	13227.6	11171.4
0°	39346.5	36025.8	32727.6	29158.1	26434.3	24067.7	21734.8	19054.0	16109.4	13391.1	11290.2
-2.5°	38873.2	35533.7	32289.3	28885.3	26101.0	23769.1	21481.6	18921.3	16059.7	13391.0	11295.1
-5°	37840.2	34545.3	31367.4	28118.0	25340.5	23025.0	20821.6	18429.6	15768.6	13245.2	11227.3
-7.5°	35906.7	32962.0	30077.7	27054.0	24320.1	22013.6	19856.5	17581.6	15128.0	12763.4	10827.3
-10°	33441.3	30735.5	28041.5	25364.2	22959.7	20836.7	18783.8	16655.5	14385.3	12186.5	10362.6
-12.5°	30989.7	28409.5	25843.7	23385.7	21288.5	19333.7	17510.1	15637.6	13554.8	11517.2	9840.4
-15°	28342.7	26015.2	23751.0	21560.9	19532.4	17747.1	16134.5	14462.9	12614.9	10792.3	9265.8
-17.5°	26041.3	23726.4	21650.2	19880.4	18036.0	16221.5	14777.4	13313.2	11737.1	10163.2	8773.3
-20°	24006.1	22043.4	20024.9	18334.2	16758.3	15180.6	13627.0	12235.9	10922.9	9592.0	8347.9



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	22355.3	20578.9	18797.7	17078.9	15588.4	14242.0	12877.0	11494.1	10162.5	9006.9	7936.3
-25°	20887.8	19210.6	17648.1	16196.8	14683.4	13350.2	12195.1	10969.9	9699.8	8489.5	7556.2
-27.5°	19660.2	18132.5	16724.3	15411.6	14050.4	12742.0	11598.9	10465.4	9286.8	8199.5	7241.2
-30°	18606.5	17278.8	15975.8	14739.6	13494.3	12264.0	11079.8	10004.3	8910.9	7885.7	6979.0
-32.5°	17606.7	16375.0	15188.2	14061.1	12902.2	11748.4	10637.5	9538.0	8486.1	7567.5	6726.4
-35°	16559.6	15416.5	14354.9	13310.9	12270.1	11198.0	10134.5	9057.3	8076.7	7214.9	6434.1
-37.5°	15532.0	14473.2	13491.5	12523.7	11576.4	10597.9	9573.2	8591.6	7664.0	6842.8	6103.6
-40°	14483.0	13525.3	12606.0	11718.8	10834.6	9948.4	9014.7	8103.0	7253.0	6434.0	5740.0
-42.5°	13384.3	12528.8	11699.8	10881.4	10058.2	9251.6	8434.3	7611.0	6812.8	6050.9	5354.7
-45°	12248.9	11508.3	10764.1	10016.8	9262.7	8550.1	7848.7	7094.9	6353.7	5644.9	4957.1
-47.5°	11150.7	10503.2	9823.9	9154.1	8505.9	7858.9	7226.0	6556.8	5876.9	5213.1	4602.2
-50°	10119.0	9529.1	8931.5	8339.5	7768.4	7183.6	6597.6	6008.9	5383.2	4790.2	4232.5
-52.5°	9081.8	8581.9	8072.6	7559.0	7042.4	6506.6	5964.6	5440.2	4888.2	4368.5	3875.0
-55°	8110.7	7669.8	7222.5	6769.2	6318.1	5846.9	5363.5	4886.9	4422.6	3951.5	3527.2
-57.5°	7157.9	6768.3	6399.7	6020.2	5631.8	5219.2	4798.3	4372.6	3962.8	3560.2	3176.7
-60°	6282.7	5954.5	5630.8	5305.4	4980.7	4626.6	4247.4	3873.8	3507.6	3173.0	2847.5
-62.5°	5431.3	5146.6	4879.2	4610.4	4331.1	4029.7	3705.6	3402.0	3096.4	2795.9	2532.2
-65°	4646.1	4409.6	4174.4	3953.6	3731.2	3505.6	3231.1	2962.4	2705.2	2457.5	2226.8
-67.5°	3929.9	3739.5	3552.6	3367.8	3183.2	2995.4	2769.6	2541.5	2330.2	2129.6	1933.5
-70°	3257.7	3104.8	2952.0	2798.8	2648.6	2501.4	2330.8	2150.9	1975.4	1804.7	1633.9
-72.5°	2621.5	2502.9	2384.6	2269.5	2152.8	2038.3	1906.4	1759.1	1613.3	1469.6	1330.8
-75°	2027.6	1940.4	1852.4	1766.6	1677.6	1585.7	1490.1	1380.3	1269.8	1159.1	1049.2
-77.5°	1486.5	1426.7	1365.5	1308.4	1249.7	1189.8	1121.9	1034.3	951.6	869.9	790.4
-80°	1012.5	975.4	937.5	903.9	867.9	829.7	785.9	723.6	661.8	604.6	552.8
-82.5°	615.1	596.7	576.8	557.5	536.4	513.4	487.7	451.4	415.7	380.8	346.7
-85°	306.1	298.8	290.7	282.4	273.3	263.6	253.0	237.6	221.6	205.1	188.2
-87.5°	112.0	109.6	107.1	105.2	103.1	100.8	98.4	92.7	87.0	81.4	75.8
-90°	3.7	3.7	3.7	4.2	4.7	5.1	5.6	5.6	5.6	5.6	5.6



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	14.5	14.1	13.6	13.1	13.1	13.1	13.1	13.1	12.6	12.2	11.7
87.5°	9.8	11.0	12.2	13.1	12.4	11.7	11.0	10.3	10.7	11.0	11.2
85°	18.3	18.9	19.7	20.6	19.4	17.7	16.4	15.1	15.4	15.5	15.4
82.5°	31.3	29.7	28.8	28.2	28.0	27.1	25.6	23.3	21.0	20.0	19.7
80°	55.5	49.6	44.4	39.9	37.5	36.7	35.7	33.2	28.1	24.7	22.8
77.5°	77.9	69.7	62.4	55.0	48.5	44.1	41.9	40.8	34.9	29.1	25.2
75°	98.2	87.6	77.6	67.9	58.5	50.8	45.4	42.0	37.4	32.9	27.4
72.5°	111.9	100.5	90.2	79.6	67.3	57.1	48.9	43.1	38.4	33.8	29.1
70°	121.4	110.3	98.7	86.5	74.4	62.7	52.4	45.3	39.4	34.6	29.8
67.5°	127.2	114.7	103.2	92.2	79.7	67.3	55.4	47.8	41.6	35.3	30.4
65°	114.4	110.3	105.6	93.9	82.8	71.5	58.9	50.5	43.7	37.2	31.0
62.5°	97.9	97.9	95.1	92.2	83.5	72.7	62.4	53.8	45.8	39.0	32.3
60°	77.5	81.0	83.7	83.0	80.0	72.6	63.6	56.8	48.3	40.7	33.8
57.5°	62.5	65.0	70.3	73.5	72.6	69.1	64.3	58.3	50.6	42.4	35.2
55°	51.1	55.5	59.9	63.7	65.4	63.4	64.0	59.2	52.3	44.1	36.9
52.5°	45.3	49.6	54.0	56.6	58.6	59.5	62.3	60.1	53.3	45.4	38.7
50°	43.5	48.1	51.4	53.5	53.6	58.1	61.8	60.4	54.3	46.6	40.8
47.5°	50.1	54.0	52.8	52.6	52.5	58.2	62.5	61.5	55.3	47.5	43.0
45°	74.6	68.4	61.4	56.2	56.3	62.3	64.6	63.4	57.3	50.2	45.3
42.5°	118.3	106.2	81.2	61.4	72.1	69.0	67.9	66.6	59.9	53.4	48.0
40°	239.2	167.5	115.7	107.2	99.0	78.1	75.5	70.7	63.4	57.3	51.1
37.5°	407.9	295.5	187.5	191.4	147.5	111.2	84.7	75.9	69.6	62.4	54.4
35°	700.3	493.1	390.7	347.8	249.9	151.9	95.4	83.2	77.0	67.8	57.9
32.5°	1062.0	866.3	764.8	585.8	377.8	200.1	124.8	97.1	85.4	73.4	61.6
30°	1673.2	1511.3	1225.9	877.9	558.4	318.9	176.4	113.0	94.5	79.2	65.6
27.5°	2595.0	2272.0	1787.4	1299.9	837.0	463.2	252.6	130.7	104.5	85.8	70.4
25°	3598.8	3134.2	2518.6	1801.7	1150.9	692.4	345.8	152.2	117.8	93.8	75.1
22.5°	4707.6	4025.2	3325.5	2350.3	1499.1	958.6	494.1	223.4	133.4	102.1	79.9
20°	5770.1	4932.2	4132.5	2780.8	1871.0	1268.4	700.9	303.1	149.6	110.7	84.6
17.5°	6801.9	5676.9	4568.7	3249.9	2235.7	1560.9	924.2	389.4	166.4	119.3	89.2
15°	7505.5	6174.3	4977.1	3668.7	2561.5	1836.0	1159.2	480.3	183.4	128.0	96.3
12.5°	8044.7	6625.0	5366.9	4037.6	2850.1	2093.5	1400.1	573.3	200.4	141.4	106.5
10°	8507.7	7028.0	5732.6	4357.3	3103.9	2333.5	1641.0	661.0	226.7	158.6	116.7
7.5°	8896.4	7382.4	6068.0	4628.8	3311.3	2491.8	1788.6	732.2	253.9	175.8	126.8
5°	9199.7	7644.9	6333.2	4813.7	3419.0	2563.0	1900.4	794.5	280.3	192.7	136.7
2.5°	9380.2	7787.7	6533.6	4951.2	3505.1	2615.5	1987.2	846.8	305.6	209.0	146.2
0°	9498.0	7879.8	6684.3	5045.5	3567.6	2650.9	2048.5	888.6	329.3	224.5	155.3
-2.5°	9542.8	7893.5	6706.1	5165.8	3694.7	2760.5	2108.1	1004.6	440.4	300.7	204.2
-5°	9518.1	7865.3	6683.8	5241.6	3795.0	2851.7	2145.5	1109.2	548.1	374.7	251.8
-7.5°	9220.6	7699.3	6568.4	5253.0	3867.4	2921.5	2164.9	1202.4	650.6	445.3	297.4
-10°	8823.3	7432.6	6328.6	5094.9	3859.7	2963.6	2175.2	1284.3	746.4	511.4	340.4
-12.5°	8382.8	7131.0	6068.2	4922.2	3824.8	2986.4	2203.8	1360.7	834.1	572.1	380.0
-15°	7906.0	6797.0	5794.5	4744.1	3776.2	2997.9	2219.3	1426.1	913.3	629.6	415.7
-17.5°	7436.8	6432.9	5514.1	4568.6	3717.0	3000.0	2223.7	1476.7	983.3	685.0	453.8
-20°	7181.8	6168.4	5238.5	4403.5	3649.9	2994.4	2218.8	1511.9	1043.3	733.9	492.8



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6927.3	5995.1	5106.2	4286.3	3593.3	2982.7	2206.5	1531.4	1092.6	775.7	526.8
-25°	6659.7	5812.9	4978.1	4203.4	3555.5	2939.9	2200.4	1534.7	1130.3	810.0	555.3
-27.5°	6423.0	5628.7	4829.9	4088.3	3481.2	2894.6	2190.7	1571.1	1160.1	836.3	578.0
-30°	6201.2	5442.7	4673.1	3953.6	3380.2	2785.2	2161.8	1594.1	1186.6	858.8	594.6
-32.5°	5972.2	5238.8	4484.3	3822.0	3246.0	2661.0	2080.5	1601.0	1202.3	875.7	608.8
-35°	5705.1	4991.5	4263.8	3658.8	3095.5	2533.0	1989.5	1591.6	1207.1	884.0	617.8
-37.5°	5401.9	4702.1	4055.6	3474.9	2934.3	2395.4	1923.2	1544.6	1200.7	883.7	620.2
-40°	5066.6	4412.8	3816.8	3288.2	2770.8	2248.7	1844.3	1494.9	1189.6	874.6	616.0
-42.5°	4713.9	4130.5	3588.7	3090.2	2601.3	2146.6	1756.0	1435.9	1149.1	860.8	605.0
-45°	4384.2	3843.2	3352.4	2889.2	2431.7	2031.9	1679.9	1369.3	1098.1	840.1	589.9
-47.5°	4044.2	3565.7	3113.1	2676.8	2288.0	1912.1	1593.2	1303.2	1040.0	810.2	572.6
-50°	3723.4	3286.5	2872.2	2485.6	2124.1	1803.4	1499.5	1228.6	981.9	760.1	549.5
-52.5°	3421.6	3016.8	2644.6	2293.5	1978.8	1683.6	1405.3	1146.7	917.1	711.2	520.8
-55°	3121.8	2760.0	2422.2	2116.0	1830.6	1562.0	1302.1	1064.4	846.1	660.1	487.4
-57.5°	2833.4	2505.5	2218.3	1943.0	1678.8	1431.0	1195.9	974.9	777.0	604.1	455.2
-60°	2543.3	2277.7	2018.9	1763.2	1520.2	1295.7	1085.1	882.2	704.6	545.5	414.7
-62.5°	2280.5	2042.3	1808.2	1574.1	1358.7	1157.9	968.8	790.3	626.8	490.8	369.7
-65°	2011.2	1797.7	1587.4	1386.9	1195.2	1016.5	853.7	692.5	554.7	432.7	325.3
-67.5°	1738.7	1552.3	1373.7	1195.7	1033.0	879.3	732.3	601.3	481.4	371.5	287.0
-70°	1466.6	1305.5	1159.2	1015.5	873.5	739.6	622.9	511.0	404.8	321.8	246.9
-72.5°	1200.3	1074.6	954.1	833.4	720.0	612.9	512.7	421.0	342.4	270.3	205.1
-75°	943.1	848.7	758.1	665.9	571.3	483.6	412.5	344.9	278.1	217.0	168.7
-77.5°	714.3	639.7	566.9	502.8	437.6	376.6	320.0	266.5	215.2	172.0	133.5
-80°	503.2	454.8	407.6	361.1	312.5	267.5	231.6	196.8	159.9	126.8	97.5
-82.5°	313.0	285.4	259.7	233.8	205.8	179.0	153.5	129.1	103.5	80.6	67.0
-85°	171.7	155.2	138.6	122.1	105.4	89.7	82.1	74.6	65.5	56.8	48.7
-87.5°	71.7	67.5	63.3	59.2	55.3	51.4	47.6	43.9	39.1	34.5	30.2
-90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	6.1	6.6	7.0



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.2	10.8	10.3	9.9	9.4	8.5	7.5
87.5°	11.4	10.8	10.4	10.1	10.0	8.7	7.5
85°	15.2	13.6	12.3	11.3	10.7	9.0	7.5
82.5°	19.0	16.4	14.2	12.5	11.3	9.3	7.5
80°	22.4	19.1	16.1	13.7	11.9	9.6	7.5
77.5°	23.2	21.0	18.0	14.9	12.5	9.8	7.5
75°	24.0	21.4	19.4	16.0	13.1	10.1	7.5
72.5°	24.7	21.7	19.5	17.1	13.7	10.3	7.5
70°	25.4	22.0	19.5	17.9	14.3	10.6	7.5
67.5°	26.1	22.2	19.5	17.8	14.8	10.8	7.5
65°	26.8	22.6	19.4	17.6	15.3	11.1	7.5
62.5°	27.6	23.4	19.3	17.4	15.8	11.3	7.5
60°	28.3	24.1	19.1	17.2	16.3	11.5	7.5
57.5°	29.8	24.8	19.7	16.9	16.2	11.7	7.5
55°	31.3	25.6	20.4	16.6	16.0	11.9	7.5
52.5°	32.7	26.4	21.0	16.3	15.9	12.1	7.5
50°	34.1	27.6	21.6	16.0	15.8	12.3	7.5
47.5°	35.6	28.7	22.2	15.8	15.7	12.4	7.5
45°	37.7	29.8	22.8	16.2	15.6	12.6	7.5
42.5°	39.9	30.9	23.4	16.6	15.6	12.7	7.5
40°	42.1	31.9	24.0	17.3	15.6	12.8	7.5
37.5°	44.5	32.9	24.8	18.2	15.6	13.0	7.5
35°	46.9	34.4	25.5	19.1	15.6	13.1	7.5
32.5°	49.5	36.3	26.1	20.0	15.6	13.1	7.5
30°	52.4	38.1	26.7	21.0	15.6	13.2	7.5
27.5°	55.3	39.9	28.7	22.0	15.7	13.3	7.5
25°	58.3	41.6	30.8	22.9	15.8	13.3	7.5
22.5°	61.3	44.2	33.1	23.9	15.9	13.4	7.5
20°	64.3	49.0	35.5	24.9	16.0	13.4	7.5
17.5°	69.8	53.8	37.9	25.9	16.1	13.4	7.5
15°	76.9	58.7	40.4	26.9	16.2	13.4	7.5
12.5°	83.8	63.6	42.9	27.8	16.3	13.4	7.5
10°	90.7	68.4	45.3	28.7	16.4	13.3	7.5
7.5°	97.4	73.1	47.7	29.6	16.5	13.3	7.5
5°	103.8	77.7	50.0	30.4	16.6	13.2	7.5
2.5°	110.1	82.0	52.2	31.1	16.7	13.2	7.5
0°	116.0	86.1	54.3	31.8	16.8	13.1	7.5
-2.5°	145.1	102.9	63.1	35.7	18.1	13.3	7.5
-5°	173.5	119.2	71.6	39.5	19.4	13.6	7.5
-7.5°	200.7	134.8	79.8	43.1	20.6	13.8	7.5
-10°	226.6	149.5	87.5	46.4	21.8	14.0	7.5
-12.5°	250.6	163.1	94.6	49.6	22.9	14.2	7.5
-15°	272.6	175.4	101.0	52.4	24.0	14.3	7.5
-17.5°	292.1	186.3	106.7	55.0	25.0	14.5	7.5
-20°	313.4	195.5	111.6	57.2	25.9	14.6	7.5



REPORT NUMBER: P1305613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-CV1-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	338.8	203.0	115.6	59.0	26.6	14.7	7.5
-25°	360.5	214.4	118.6	60.3	27.3	14.8	7.5
-27.5°	378.2	226.0	120.6	61.3	27.9	14.8	7.5
-30°	391.5	235.0	122.0	61.8	28.3	14.8	7.5
-32.5°	400.4	241.3	126.6	61.8	28.6	14.8	7.5
-35°	406.8	244.8	129.6	61.3	28.8	14.8	7.5
-37.5°	409.9	246.4	131.0	60.3	28.8	14.8	7.5
-40°	408.6	247.3	130.7	58.8	28.7	14.7	7.5
-42.5°	403.2	245.5	130.0	57.5	28.5	14.6	7.5
-45°	393.4	241.0	129.2	56.8	28.1	14.5	7.5
-47.5°	379.4	233.9	127.0	55.3	27.5	14.3	7.5
-50°	365.5	224.0	123.4	54.8	26.8	14.1	7.5
-52.5°	348.5	211.6	118.4	54.3	26.0	13.9	7.5
-55°	327.9	201.1	112.2	53.1	25.1	13.7	7.5
-57.5°	303.7	189.4	104.6	51.3	24.0	13.4	7.5
-60°	277.0	175.8	96.0	48.9	22.8	13.1	7.5
-62.5°	254.8	160.4	90.0	46.1	22.0	12.8	7.5
-65°	230.2	143.2	83.0	42.7	21.1	12.5	7.5
-67.5°	203.2	127.3	75.2	38.8	20.1	12.2	7.5
-70°	174.1	112.8	66.6	34.5	19.1	11.8	7.5
-72.5°	149.7	97.2	57.2	31.6	18.0	11.4	7.5
-75°	124.9	80.6	47.2	28.8	16.9	11.0	7.5
-77.5°	98.8	63.1	40.8	26.0	15.7	10.6	7.5
-80°	71.6	50.7	35.0	22.9	14.5	10.2	7.5
-82.5°	55.7	41.0	29.0	19.8	13.2	9.8	7.5
-85°	41.1	31.1	22.9	16.5	12.0	9.3	7.5
-87.5°	26.2	21.0	16.6	13.2	10.7	8.9	7.5
-90°	7.5	8.0	8.5	8.9	9.4	8.5	7.5

(END OF REPORT)