

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: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-7F-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731494 (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: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-80-7F-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

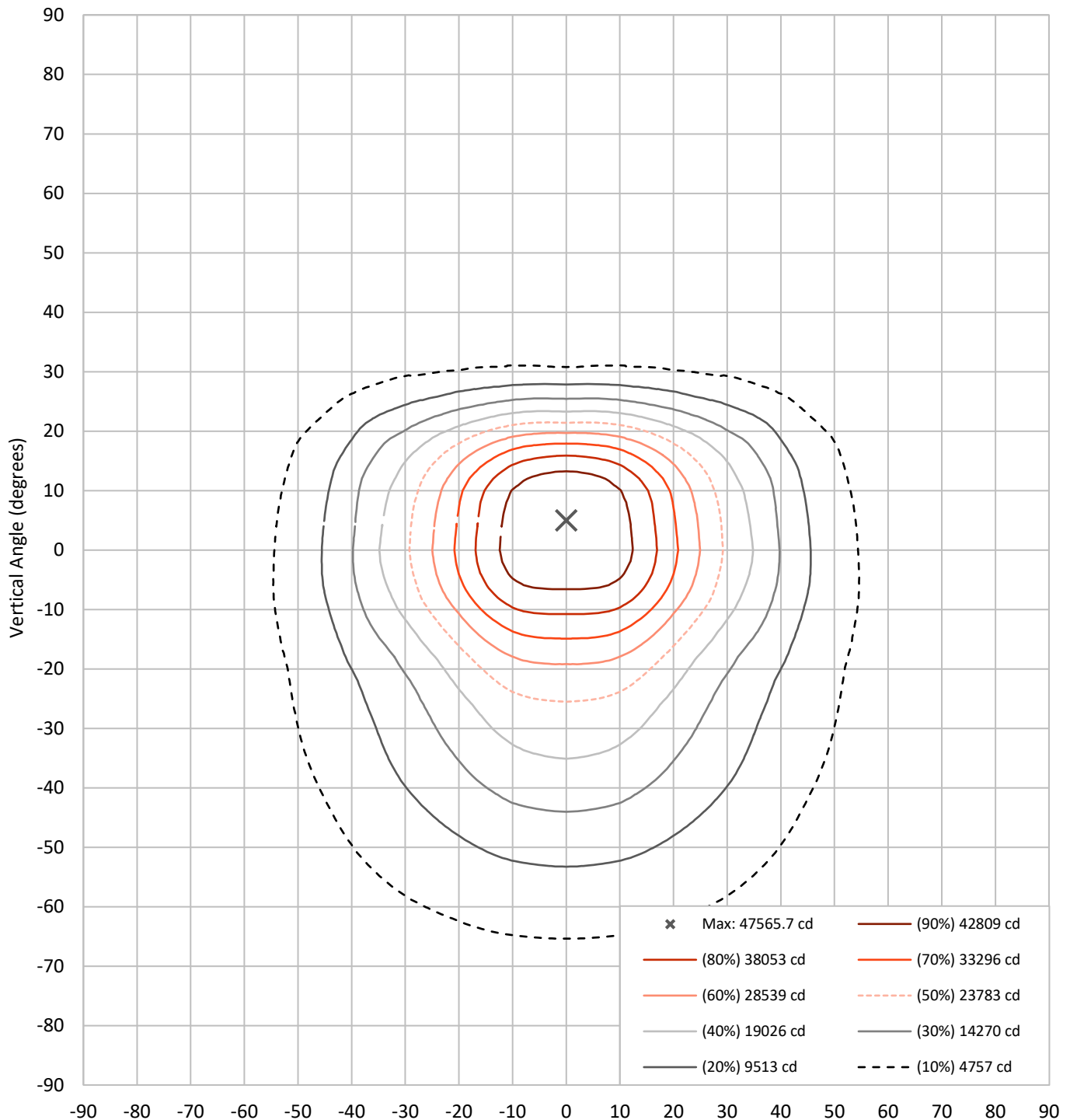
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	46606.3 lumens	Max Intensity:	47565.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	83.2 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:	22416.7 lumens	Field Lumens:	43205.5 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

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

REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

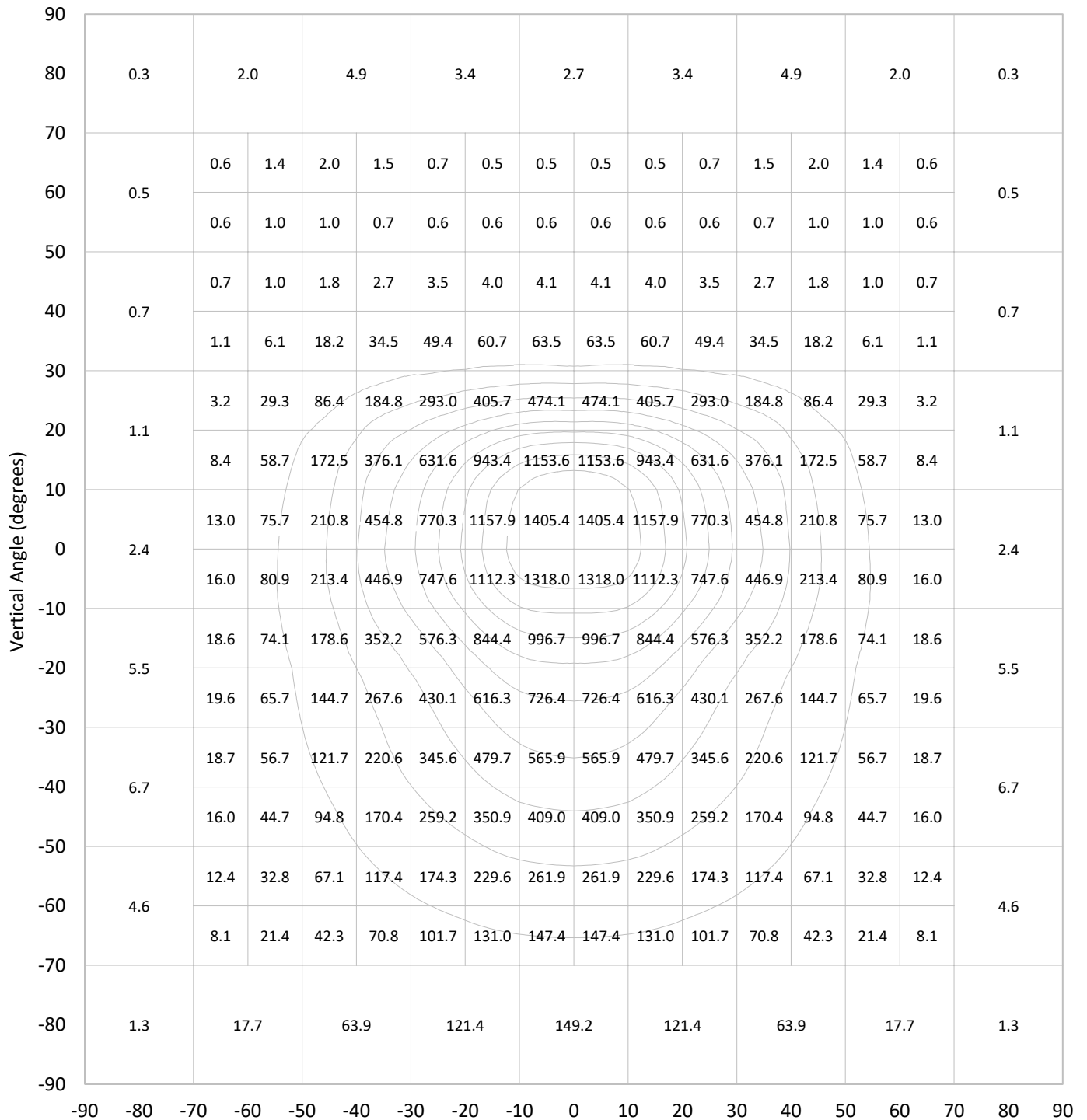
Iso-Candela Plot





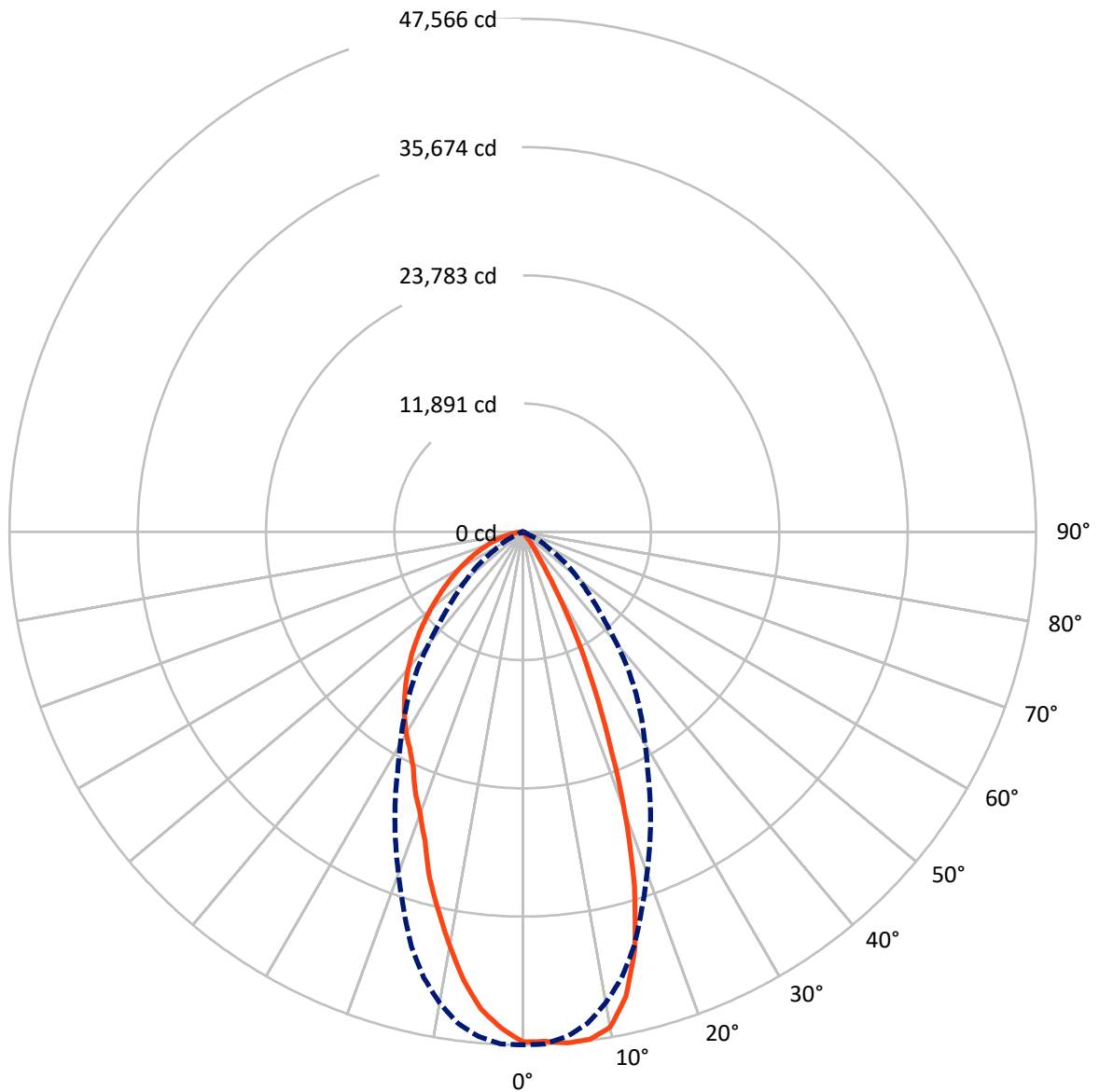
REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

Lumen Table



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

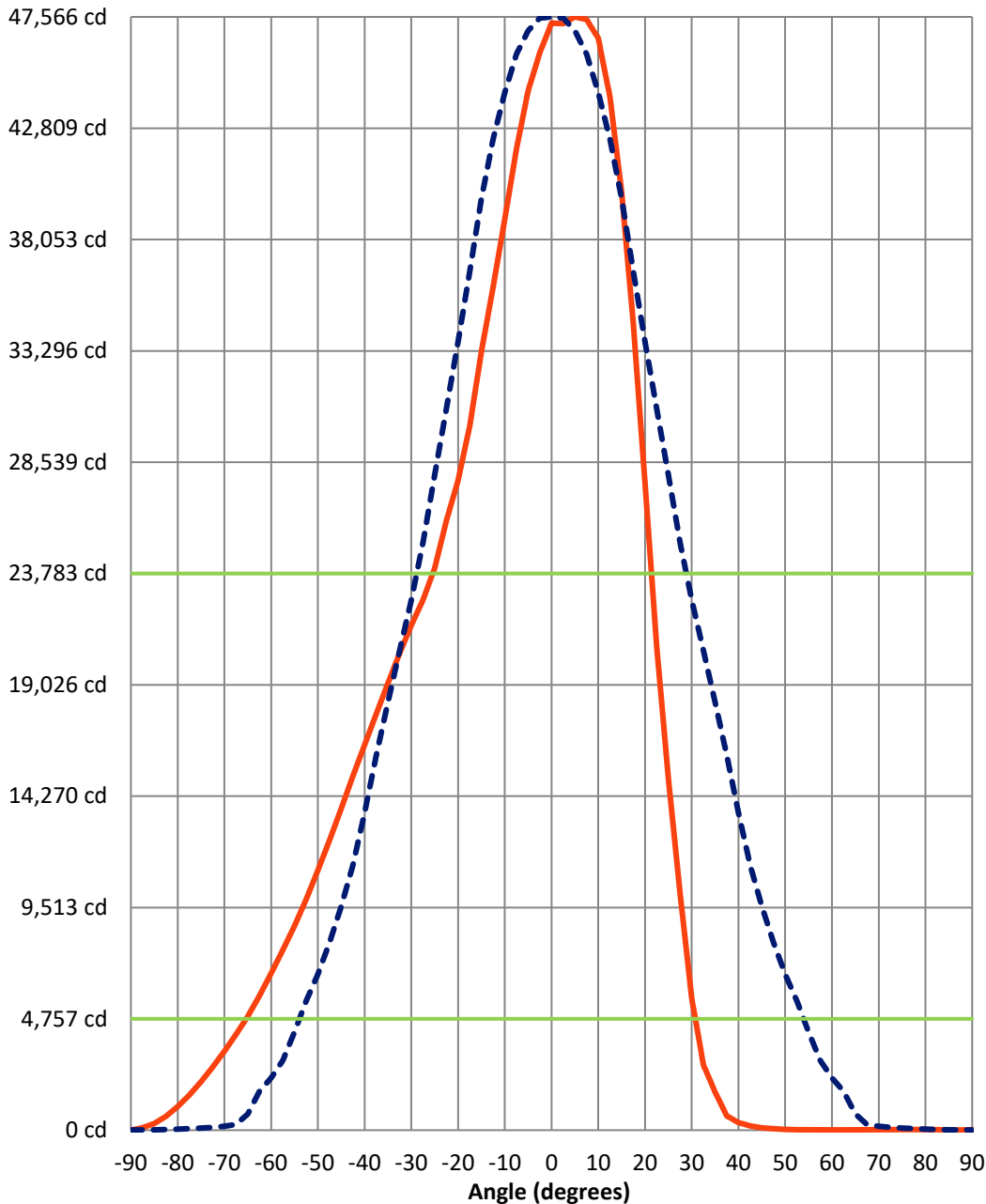
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

Luminous Intensity Plot



Beam:
 H Angle: 57.7°
 V Angle: 46.8°
 Lumens: 22416.7
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 43205.5
 Efficiency: 92.7%

Spill:
 Lumens: 3400.9
 Efficiency: 7.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 5-Deg



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.5	7.4	8.2	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.4
87.5°	6.5	7.6	8.8	8.8	9.1	9.4	9.9	9.8	9.6	9.4	9.0
85°	6.5	7.8	9.3	9.9	10.7	11.9	13.3	13.5	13.6	13.5	13.2
82.5°	6.5	8.1	9.9	11.0	12.4	14.3	16.6	17.2	17.5	18.4	20.3
80°	6.5	8.3	10.4	12.0	14.1	16.7	19.6	19.9	21.5	24.5	28.9
77.5°	6.5	8.6	11.0	13.0	15.7	18.4	20.3	22.0	25.3	30.4	35.5
75°	6.5	8.8	11.5	14.0	17.0	18.7	20.9	23.9	28.6	32.6	36.6
72.5°	6.5	9.0	12.0	15.0	17.0	18.9	21.5	25.3	29.4	33.5	37.5
70°	6.5	9.2	12.5	15.7	17.0	19.1	22.1	26.0	30.1	34.3	39.5
67.5°	6.5	9.4	12.9	15.5	17.0	19.3	22.7	26.5	30.8	36.2	41.6
65°	6.5	9.6	13.4	15.4	16.9	19.7	23.4	27.1	32.4	38.0	43.9
62.5°	6.5	9.8	13.8	15.2	16.8	20.4	24.1	28.2	34.0	39.9	46.8
60°	6.5	10.0	14.3	15.0	16.6	21.0	24.7	29.4	35.4	42.1	49.4
57.5°	6.5	10.2	14.1	14.7	17.2	21.7	26.0	30.7	37.0	44.0	50.8
55°	6.5	10.4	14.0	14.5	17.7	22.3	27.3	32.2	38.4	45.6	51.5
52.5°	6.5	10.5	13.9	14.2	18.3	23.0	28.5	33.8	39.6	46.4	52.4
50°	6.5	10.7	13.8	13.8	18.9	24.1	29.7	35.5	40.5	47.3	52.7
47.5°	6.5	10.8	13.7	13.7	19.4	25.1	31.0	37.4	41.4	48.2	53.6
45°	6.5	11.0	13.6	14.1	19.9	26.0	32.8	39.5	43.7	49.9	55.3
42.5°	6.5	11.1	13.6	14.5	20.4	27.0	34.7	41.8	46.5	52.2	58.0
40°	6.5	11.2	13.6	15.1	21.0	27.8	36.7	44.5	49.9	55.3	61.7
37.5°	6.5	11.3	13.6	15.8	21.7	28.7	38.8	47.3	54.4	60.6	66.2
35°	6.5	11.4	13.6	16.6	22.3	30.0	40.9	50.4	59.1	67.1	72.6
32.5°	6.5	11.5	13.6	17.5	22.8	31.6	43.1	53.6	63.9	74.4	84.6
30°	6.5	11.5	13.6	18.3	23.3	33.2	45.6	57.2	69.0	82.4	98.4
27.5°	6.5	11.6	13.7	19.2	25.0	34.7	48.2	61.3	74.8	91.1	113.9
25°	6.5	11.6	13.8	20.0	26.9	36.2	50.8	65.4	81.7	102.7	132.6
22.5°	6.5	11.6	13.8	20.9	28.9	38.5	53.4	69.6	89.0	116.2	194.6
20°	6.5	11.7	13.9	21.8	30.9	42.7	56.0	73.7	96.4	130.4	264.1
17.5°	6.5	11.7	14.0	22.6	33.0	46.9	60.8	77.7	103.9	145.0	339.3
15°	6.5	11.7	14.1	23.5	35.2	51.1	67.0	83.9	111.5	159.8	418.5
12.5°	6.5	11.6	14.2	24.3	37.3	55.4	73.0	92.8	123.2	174.6	499.5
10°	6.5	11.6	14.3	25.1	39.5	59.6	79.0	101.7	138.2	197.5	575.9
7.5°	6.5	11.6	14.4	25.8	41.6	63.7	84.8	110.5	153.2	221.2	638.0
5°	6.5	11.5	14.5	26.5	43.6	67.7	90.5	119.1	167.9	244.2	692.3
2.5°	6.5	11.5	14.6	27.1	45.5	71.4	95.9	127.4	182.1	266.2	737.9
0°	6.5	11.4	14.7	27.7	47.3	75.0	101.1	135.3	195.6	286.9	774.3
-2.5°	6.5	11.6	15.8	31.1	55.0	89.7	126.4	177.9	262.0	383.8	875.4
-5°	6.5	11.8	16.9	34.4	62.4	103.9	151.2	219.3	326.4	477.6	966.6
-7.5°	6.5	12.0	18.0	37.5	69.5	117.5	174.9	259.1	388.0	566.9	1047.8
-10°	6.5	12.2	19.1	40.5	76.2	130.3	197.4	296.6	445.6	650.4	1119.2
-12.5°	6.5	12.3	20.0	43.2	82.4	142.1	218.4	331.1	498.5	726.8	1185.7
-15°	6.5	12.5	21.0	45.7	88.0	152.8	237.5	362.2	548.6	795.8	1242.7
-17.5°	6.5	12.6	21.8	47.9	93.0	162.3	254.5	395.4	596.9	856.8	1286.8
-20°	6.5	12.7	22.6	49.8	97.3	170.3	273.1	429.4	639.5	909.1	1317.5



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.5	12.8	23.3	51.4	100.7	176.9	295.2	459.0	675.9	952.0	1334.4
-25°	6.5	12.9	23.8	52.6	103.4	186.8	314.1	483.8	705.8	984.9	1337.3
-27.5°	6.5	12.9	24.3	53.4	105.1	196.9	329.5	503.6	728.7	1010.9	1369.0
-30°	6.5	12.9	24.7	53.8	106.3	204.7	341.2	518.1	748.3	1034.0	1389.0
-32.5°	6.5	12.9	25.0	53.8	110.3	210.2	348.9	530.5	763.1	1047.7	1395.1
-35°	6.5	12.9	25.1	53.4	112.9	213.3	354.5	538.3	770.4	1051.9	1386.9
-37.5°	6.5	12.9	25.1	52.6	114.1	214.7	357.1	540.4	770.1	1046.3	1345.9
-40°	6.5	12.8	25.0	51.2	113.9	215.5	356.1	536.7	762.1	1036.6	1302.7
-42.5°	6.5	12.7	24.8	50.1	113.3	214.0	351.3	527.2	750.1	1001.3	1251.3
-45°	6.5	12.6	24.5	49.5	112.6	210.0	342.8	514.1	732.1	956.9	1193.3
-47.5°	6.5	12.5	24.0	48.2	110.7	203.8	330.6	498.9	706.0	906.3	1135.6
-50°	6.5	12.3	23.4	47.8	107.5	195.2	318.5	478.8	662.3	855.6	1070.6
-52.5°	6.5	12.1	22.7	47.3	103.2	184.4	303.7	453.8	619.8	799.2	999.2
-55°	6.5	11.9	21.9	46.3	97.7	175.3	285.7	424.7	575.2	737.3	927.5
-57.5°	6.5	11.7	20.9	44.7	91.1	165.1	264.6	396.7	526.4	677.1	849.6
-60°	6.5	11.4	19.9	42.7	83.6	153.2	241.4	361.4	475.3	614.0	768.7
-62.5°	6.5	11.2	19.2	40.1	78.4	139.7	222.1	322.2	427.7	546.1	688.7
-65°	6.5	10.9	18.4	37.2	72.3	124.8	200.6	283.5	377.1	483.3	603.4
-67.5°	6.5	10.6	17.5	33.8	65.5	110.9	177.0	250.1	323.8	419.5	524.0
-70°	6.5	10.3	16.6	30.1	58.0	98.3	151.6	215.1	280.4	352.7	445.2
-72.5°	6.5	9.9	15.7	27.5	49.9	84.7	130.4	178.6	235.5	298.3	366.8
-75°	6.5	9.6	14.7	25.2	41.1	70.3	108.8	146.9	189.0	242.3	300.5
-77.5°	6.5	9.2	13.7	22.6	35.6	55.0	86.0	116.3	149.8	187.5	232.2
-80°	6.5	8.9	12.6	20.0	30.5	44.2	62.4	84.9	110.4	139.3	171.5
-82.5°	6.5	8.5	11.6	17.2	25.3	35.8	48.5	58.4	70.2	90.1	112.5
-85°	6.5	8.1	10.5	14.4	20.0	27.1	35.8	42.4	49.5	57.0	65.0
-87.5°	6.5	7.7	9.3	11.5	14.5	18.3	22.9	26.4	30.1	34.1	38.3
-90°	6.5	7.4	8.2	7.8	7.4	6.9	6.5	6.1	5.7	5.3	4.9



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.4	11.4	11.4	11.4	11.8	12.2	12.6	13.0	13.8	14.7	15.5
87.5°	9.6	10.2	10.8	11.4	10.6	9.6	8.5	7.2	7.6	8.0	8.5
85°	14.3	15.5	16.9	18.0	17.2	16.5	16.0	15.7	16.5	17.2	17.7
82.5°	22.3	23.7	24.4	24.6	25.1	25.9	27.3	30.2	32.0	33.3	34.0
80°	31.1	32.0	32.7	34.8	38.7	43.3	48.4	53.9	55.8	55.9	55.3
77.5°	36.5	38.4	42.2	47.9	54.3	60.8	67.8	75.6	77.8	77.1	75.7
75°	39.6	44.2	51.0	59.2	67.7	76.3	85.6	94.3	96.7	94.0	90.4
72.5°	42.6	49.7	58.6	69.4	78.6	87.6	97.5	108.4	112.2	106.7	100.2
70°	45.6	54.6	64.8	75.3	85.9	96.1	105.8	116.3	122.5	113.9	100.6
67.5°	48.2	58.6	69.5	80.3	89.9	99.9	110.8	115.3	118.1	104.1	89.1
65°	51.3	62.2	72.1	81.8	92.0	96.1	99.7	103.5	103.0	87.0	71.1
62.5°	54.3	63.3	72.8	80.4	82.8	85.3	85.3	82.9	79.0	68.0	54.3
60°	55.4	63.3	69.7	72.3	72.9	70.5	67.5	64.4	59.7	50.4	41.1
57.5°	56.1	60.3	63.3	64.0	61.3	56.6	54.5	49.6	45.6	40.2	32.6
55°	55.8	55.3	57.0	55.5	52.2	48.4	44.6	41.4	36.4	34.7	31.3
52.5°	54.3	51.9	51.0	49.3	47.1	43.2	39.5	36.9	35.7	33.7	30.9
50°	53.9	50.6	46.7	46.5	44.8	42.0	38.0	37.4	37.5	35.7	32.4
47.5°	54.5	50.6	45.7	45.8	46.0	47.1	43.7	42.2	42.7	47.5	42.5
45°	56.3	54.2	49.0	48.9	53.5	59.6	65.0	50.0	65.1	72.7	78.6
42.5°	59.2	60.1	62.8	53.6	70.8	92.6	103.0	108.3	102.8	126.6	151.1
40°	65.8	68.0	86.3	93.5	100.8	145.9	208.4	223.1	169.5	235.7	276.6
37.5°	73.8	96.9	128.6	166.8	163.4	257.5	355.4	430.5	423.1	400.1	572.9
35°	83.1	132.4	217.7	303.1	340.5	429.6	610.3	741.1	818.9	865.9	1008.3
32.5°	108.7	174.4	329.2	510.4	666.4	754.9	925.4	1212.2	1483.5	1645.5	1643.9
30°	153.7	277.9	486.6	765.0	1068.3	1317.0	1458.0	1826.5	2343.6	2711.4	2956.4
27.5°	220.1	403.6	729.4	1132.7	1557.5	1979.9	2261.3	2740.1	3435.9	3996.4	4519.9
25°	301.3	603.3	1002.9	1570.0	2194.7	2731.1	3136.0	3801.5	4683.1	5562.2	6438.1
22.5°	430.6	835.3	1306.3	2048.0	2897.9	3507.5	4102.2	4913.4	5933.1	7167.2	8502.6
20°	610.7	1105.3	1630.4	2423.2	3601.1	4297.9	5028.0	5996.1	7185.4	8685.4	10468.4
17.5°	805.4	1360.2	1948.1	2831.9	3981.2	4946.8	5927.1	7030.4	8363.2	10103.3	12024.0
15°	1010.1	1599.9	2232.0	3196.9	4337.0	5380.3	6540.2	7975.2	9546.9	11428.6	13437.8
12.5°	1220.0	1824.3	2483.5	3518.3	4676.7	5773.0	7010.1	8502.5	10330.9	12538.2	14647.4
10°	1429.9	2033.4	2704.6	3796.9	4995.3	6124.1	7413.5	8940.5	10800.8	13012.3	15292.1
7.5°	1558.6	2171.3	2885.3	4033.5	5287.6	6433.0	7752.3	9292.4	11126.3	13351.2	15700.8
5°	1656.0	2233.4	2979.3	4194.6	5518.6	6661.8	8016.6	9562.1	11322.2	13557.8	16011.2
2.5°	1731.7	2279.1	3054.3	4314.4	5693.3	6786.1	8173.9	9734.7	11526.4	13814.5	16324.6
0°	1785.1	2310.0	3108.8	4396.6	5824.7	6866.4	8276.5	9838.2	11668.9	14037.6	16603.5
-2.5°	1837.0	2405.5	3219.5	4501.4	5843.6	6878.3	8315.5	9842.4	11668.8	13994.3	16487.9
-5°	1869.6	2485.0	3307.0	4567.4	5824.3	6853.7	8294.0	9783.3	11541.7	13740.5	16059.4
-7.5°	1886.5	2545.9	3370.1	4577.4	5723.6	6709.1	8034.7	9434.8	11122.0	13182.4	15320.5
-10°	1895.5	2582.5	3363.4	4439.6	5514.7	6476.7	7688.6	9029.9	10619.2	12535.2	14513.5
-12.5°	1920.4	2602.3	3332.9	4289.2	5287.8	6213.9	7304.7	8574.9	10036.0	11811.5	13626.5
-15°	1933.9	2612.4	3290.6	4133.9	5049.3	5922.8	6889.1	8074.1	9404.3	10992.5	12602.8
-17.5°	1937.7	2614.2	3239.0	3981.1	4804.9	5605.6	6480.3	7645.0	8856.1	10227.6	11600.9
-20°	1933.4	2609.3	3180.5	3837.2	4564.8	5375.1	6258.1	7274.3	8358.4	9518.1	10662.2



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1922.7	2599.1	3131.2	3735.1	4449.5	5224.0	6036.4	6915.6	7848.5	8855.5	10015.9
-25°	1917.4	2561.8	3098.2	3662.8	4337.9	5065.2	5803.2	6584.3	7397.7	8452.3	9559.0
-27.5°	1909.0	2522.3	3033.5	3562.6	4208.8	4904.8	5596.9	6309.9	7144.9	8092.4	9119.4
-30°	1883.8	2427.0	2945.5	3445.2	4072.1	4742.7	5403.7	6081.4	6871.5	7764.9	8717.7
-32.5°	1812.9	2318.8	2828.5	3330.5	3907.6	4565.1	5204.1	5861.3	6594.3	7394.7	8311.4
-35°	1733.6	2207.2	2697.4	3188.3	3715.5	4349.6	4971.4	5606.6	6286.9	7037.9	7892.5
-37.5°	1675.8	2087.3	2557.0	3028.0	3534.1	4097.4	4707.2	5318.6	5962.7	6678.3	7486.6
-40°	1607.1	1959.5	2414.5	2865.3	3325.9	3845.3	4415.0	5001.8	5606.5	6320.1	7060.8
-42.5°	1530.2	1870.5	2266.8	2692.8	3127.2	3599.3	4107.7	4666.0	5272.7	5936.6	6632.1
-45°	1463.8	1770.6	2119.0	2517.7	2921.3	3348.9	3820.4	4319.6	4918.9	5536.5	6182.4
-47.5°	1388.3	1666.2	1993.8	2332.5	2712.7	3107.1	3524.0	4010.3	4542.7	5121.1	5713.5
-50°	1306.7	1571.5	1850.9	2165.9	2502.9	2863.9	3244.5	3688.2	4174.2	4690.9	5236.1
-52.5°	1224.6	1467.1	1724.3	1998.5	2304.5	2628.9	2981.5	3376.6	3806.7	4259.5	4740.6
-55°	1134.6	1361.1	1595.1	1843.8	2110.7	2405.0	2720.3	3073.6	3443.3	3853.8	4258.4
-57.5°	1042.1	1246.9	1462.8	1693.1	1933.0	2183.3	2469.0	2768.2	3102.3	3453.2	3810.2
-60°	945.5	1129.0	1324.6	1536.4	1759.3	1984.7	2216.2	2481.3	2764.9	3056.5	3375.6
-62.5°	844.3	1009.0	1183.9	1371.6	1575.6	1779.7	1987.2	2206.5	2436.3	2698.1	2964.4
-65°	743.9	885.8	1041.5	1208.5	1383.2	1566.5	1752.6	1940.4	2141.4	2357.2	2581.4
-67.5°	638.1	766.2	900.2	1041.9	1197.1	1352.6	1515.1	1684.9	1855.7	2030.5	2214.6
-70°	542.8	644.4	761.1	884.9	1010.2	1137.6	1278.0	1423.7	1572.7	1721.3	1874.3
-72.5°	446.7	534.1	627.4	726.3	831.4	936.4	1046.0	1159.7	1280.6	1405.8	1532.9
-75°	359.4	421.4	497.8	580.2	660.6	739.6	821.7	914.2	1010.0	1106.5	1202.8
-77.5°	278.8	328.1	381.3	438.1	494.0	557.4	622.4	688.7	758.0	829.2	901.3
-80°	201.8	233.1	272.3	314.7	355.2	396.3	438.5	481.7	526.8	576.7	630.5
-82.5°	133.7	156.0	179.3	203.7	226.3	248.7	272.7	302.1	331.8	362.2	393.4
-85°	71.5	78.1	91.9	106.4	120.8	135.2	149.6	164.0	178.8	193.1	207.0
-87.5°	41.5	44.8	48.2	51.6	55.2	58.8	62.4	66.0	70.9	75.8	80.8
-90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	16.3	16.7	17.1	17.5	17.9	18.3	18.8	19.2	19.6	20.0	20.4
87.5°	8.9	8.3	7.6	6.9	6.2	8.1	10.1	12.2	14.3	13.2	12.1
85°	18.1	18.2	18.3	18.4	18.5	20.6	22.7	24.8	26.8	24.7	22.5
82.5°	34.1	33.6	32.4	30.7	28.5	27.9	27.2	26.2	24.9	23.8	22.9
80°	54.1	51.4	47.8	43.6	38.9	36.5	34.2	31.7	28.9	28.1	27.5
77.5°	72.8	67.7	61.7	55.2	48.3	44.0	40.0	35.8	31.3	30.1	29.3
75°	85.9	79.5	70.9	61.7	52.0	45.3	40.0	34.7	29.4	28.1	27.9
72.5°	92.8	83.9	73.0	60.1	47.8	39.7	34.7	30.2	26.2	24.8	24.2
70°	87.2	73.7	61.1	49.3	38.4	31.1	27.6	24.5	21.7	21.0	21.3
67.5°	73.6	60.1	48.7	38.5	29.7	23.8	21.8	20.1	18.8	18.4	18.3
65°	57.6	46.1	36.8	29.1	22.8	19.2	18.5	17.8	17.1	16.6	16.0
62.5°	42.4	33.7	27.9	23.5	20.1	17.9	17.3	16.6	15.8	15.0	14.4
60°	33.1	26.3	23.2	21.3	19.6	18.2	17.6	17.3	17.0	16.7	16.2
57.5°	28.8	25.3	22.5	21.4	20.5	19.8	19.5	19.1	18.6	17.8	17.3
55°	28.0	25.4	22.9	22.4	22.0	21.5	20.9	20.3	19.7	19.0	18.7
52.5°	28.1	26.9	25.1	24.3	24.7	24.0	22.6	23.3	23.5	22.8	22.5
50°	31.8	32.1	32.5	29.8	32.5	33.7	32.1	33.4	35.5	35.7	35.6
47.5°	45.0	48.0	51.9	48.9	52.5	57.9	57.4	57.9	62.7	63.3	63.1
45°	71.8	84.8	90.9	94.4	93.1	105.7	108.2	104.1	110.7	112.0	110.0
42.5°	143.8	150.9	167.1	180.0	172.7	185.7	189.5	177.7	189.2	194.4	188.8
40°	321.9	255.9	303.9	337.0	325.5	300.1	344.0	328.3	326.8	345.1	330.7
37.5°	635.5	564.1	613.2	707.8	704.3	585.4	718.1	709.5	596.4	730.4	718.7
35°	1139.7	1271.8	1212.9	1389.6	1440.8	1467.4	1541.0	1617.1	1533.8	1643.5	1640.7
32.5°	2040.8	2314.7	2435.8	2457.3	2684.1	2868.9	2790.6	3087.1	3069.0	3143.1	3218.9
30°	3221.8	3832.3	4141.3	4149.1	4525.3	4856.5	4961.5	5333.6	5553.7	5517.1	5885.7
27.5°	5140.4	5740.2	6249.1	6683.3	6976.5	7498.7	8225.5	8592.3	9133.0	9345.0	9854.5
25°	7308.2	8053.4	8856.8	9612.5	10233.0	11168.4	12073.0	12643.4	13417.0	14023.2	14639.3
22.5°	9656.6	10645.2	11676.0	12806.4	13960.5	15101.7	16200.5	17254.4	18285.7	19424.9	20121.3
20°	12057.6	13175.1	14429.7	15961.7	17562.9	18939.1	20439.9	22092.3	23672.1	25142.4	26253.0
17.5°	13882.2	15611.3	16970.6	18627.9	20616.4	22555.0	24468.3	26647.4	28657.2	30531.9	32203.8
15°	15275.5	17088.1	19058.2	21058.7	23153.4	25461.7	28093.5	30478.0	32960.7	35165.5	37230.5
12.5°	16490.0	18330.2	20391.9	22725.1	25367.2	27845.5	30603.7	33585.7	36219.8	38810.0	40747.4
10°	17386.4	19430.5	21520.7	23866.5	26560.9	29454.2	32443.5	35457.7	38411.3	40911.6	42993.1
7.5°	17880.8	20051.8	22238.7	24688.3	27458.4	30304.4	33290.5	36437.6	39410.5	41985.5	43897.1
5°	18283.3	20490.4	22652.0	25111.4	27997.7	30824.7	33685.3	36689.1	39801.9	42341.7	44330.4
2.5°	18634.6	20788.1	22896.6	25291.2	28265.6	31105.2	34046.4	37160.1	40170.3	42620.3	44556.2
0°	18939.5	20972.4	23034.6	25408.1	28518.5	31392.5	34286.1	37333.0	40399.3	42785.9	44745.4
-2.5°	18718.9	20712.2	22744.1	25170.3	28136.5	30963.7	33873.7	36959.1	39863.5	42280.9	44180.6
-5°	18143.7	20063.8	22081.5	24501.7	27333.2	30102.4	32973.6	35945.5	38675.7	41092.6	42840.1
-7.5°	17302.8	19182.4	21192.3	23574.6	26209.4	28722.7	31288.8	34043.6	36761.2	38895.0	40559.4
-10°	16368.0	18156.9	20006.9	22102.1	24435.1	26782.6	29140.4	31701.4	34095.8	36099.4	37701.7
-12.5°	15258.2	16847.2	18550.6	20378.1	22519.9	24755.8	27004.2	29247.3	31455.8	33258.2	34709.6
-15°	14059.4	15464.6	17020.3	18788.0	20696.4	22669.4	24697.6	26839.7	28828.6	30507.5	31787.1
-17.5°	12876.9	14135.2	15716.4	17323.6	18865.8	20675.0	22692.1	24463.5	26278.5	27786.1	28916.7
-20°	11874.4	13228.2	14603.0	15976.3	17449.5	19208.4	20918.7	22588.8	24201.7	25574.4	26698.4



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11220.9	12410.3	13583.6	14882.4	16380.1	17932.3	19480.2	20998.6	22458.4	23762.3	24831.5
-25°	10626.6	11633.2	12794.9	14113.7	15378.4	16739.9	18201.4	19470.5	20855.2	22036.1	22950.8
-27.5°	10107.1	11103.2	12243.3	13429.5	14573.4	15800.5	17131.7	18343.0	19589.1	20724.6	21522.7
-30°	9654.8	10686.7	11758.8	12844.0	13921.2	15056.6	16213.5	17384.3	18527.6	19557.2	20324.3
-32.5°	9269.4	10237.4	11242.9	12252.7	13234.9	14269.1	15342.3	16418.6	17477.8	18378.7	19129.8
-35°	8831.1	9757.9	10692.1	11599.0	12508.7	13433.8	14429.9	15437.4	16385.1	17207.6	17940.9
-37.5°	8342.0	9234.9	10087.6	10913.1	11756.4	12611.9	13534.5	14460.1	15330.6	16075.1	16774.2
-40°	7855.3	8668.9	9441.2	10211.7	10984.8	11785.8	12620.3	13449.2	14213.3	14917.4	15569.0
-42.5°	7349.5	8061.7	8764.6	9481.9	10195.1	10917.5	11662.9	12416.7	13097.6	13739.8	14317.4
-45°	6839.3	7450.5	8071.4	8728.5	9379.7	10028.2	10673.6	11309.9	11947.4	12545.8	13033.6
-47.5°	6296.6	6848.2	7411.9	7976.8	8560.4	9152.4	9716.6	10267.4	10830.5	11365.3	11768.3
-50°	5749.0	6259.7	6769.3	7267.0	7782.9	8303.5	8817.6	9302.4	9774.1	10229.0	10544.0
-52.5°	5197.5	5669.8	6136.7	6586.9	7034.4	7478.2	7913.8	8343.8	8757.2	9147.0	9396.8
-55°	4673.7	5094.9	5505.5	5898.6	6293.7	6683.4	7067.5	7443.8	7800.5	8135.7	8328.3
-57.5°	4181.1	4548.0	4907.5	5246.0	5576.6	5897.8	6237.3	6579.2	6900.4	7188.4	7343.7
-60°	3701.1	4031.6	4340.1	4623.0	4906.6	5188.7	5474.7	5757.0	6032.0	6271.2	6404.9
-62.5°	3229.0	3511.4	3774.0	4017.5	4251.7	4484.7	4732.8	4970.9	5197.4	5382.1	5495.4
-65°	2815.5	3054.7	3251.3	3445.1	3637.5	3842.4	4048.5	4245.1	4431.2	4575.8	4671.2
-67.5°	2413.4	2610.1	2773.8	2934.6	3095.6	3258.5	3424.5	3585.3	3739.7	3856.6	3939.6
-70°	2031.0	2179.7	2307.9	2438.9	2572.3	2705.5	2838.8	2967.1	3089.7	3178.8	3245.5
-72.5°	1661.3	1776.2	1876.0	1977.6	2077.9	2181.1	2284.3	2383.6	2478.1	2541.9	2588.7
-75°	1298.4	1381.8	1461.8	1539.4	1614.1	1690.9	1766.9	1839.5	1908.2	1956.6	1995.1
-77.5°	977.5	1036.8	1088.9	1140.1	1189.9	1243.2	1295.3	1344.4	1390.4	1424.0	1452.3
-80°	684.8	723.0	756.3	787.6	816.9	849.9	882.3	912.9	941.5	961.1	976.7
-82.5°	424.9	447.4	467.4	485.8	502.7	520.0	536.0	550.5	563.6	578.9	593.2
-85°	220.4	229.7	238.2	246.1	253.3	260.4	266.8	272.5	277.5	280.3	282.2
-87.5°	85.7	87.9	89.8	91.6	93.3	95.5	97.6	99.6	101.4	103.1	104.6
-90°	4.9	4.5	4.1	3.7	3.3	3.3	3.3	3.3	3.3	3.3	3.3



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	20.8	21.2	21.2	21.2	21.2	21.2	20.8	20.4	20.0	19.6	19.2
87.5°	11.0	9.8	9.0	8.2	9.0	9.8	11.0	12.1	13.2	14.3	12.2
85°	20.2	17.9	16.3	14.7	16.3	17.9	20.2	22.5	24.7	26.8	24.8
82.5°	22.0	21.2	21.2	21.2	21.2	21.2	22.0	22.9	23.8	24.9	26.2
80°	26.8	26.0	26.9	27.7	26.9	26.0	26.8	27.5	28.1	28.9	31.7
77.5°	28.5	27.7	27.7	27.7	27.7	27.7	28.5	29.3	30.1	31.3	35.8
75°	27.7	27.7	26.9	26.1	26.9	27.7	27.7	27.9	28.1	29.4	34.7
72.5°	23.6	23.0	22.8	22.8	22.8	23.0	23.6	24.2	24.8	26.2	30.2
70°	22.0	22.7	22.1	21.2	22.1	22.7	22.0	21.3	21.0	21.7	24.5
67.5°	18.2	18.1	17.9	17.9	17.9	18.1	18.2	18.3	18.4	18.8	20.1
65°	15.5	14.9	14.7	14.7	14.7	14.9	15.5	16.0	16.6	17.1	17.8
62.5°	13.8	13.2	13.0	13.0	13.0	13.2	13.8	14.4	15.0	15.8	16.6
60°	15.6	14.9	14.0	13.0	14.0	14.9	15.6	16.2	16.7	17.0	17.3
57.5°	16.8	16.4	16.3	16.3	16.3	16.4	16.8	17.3	17.8	18.6	19.1
55°	18.4	18.0	17.9	17.9	17.9	18.0	18.4	18.7	19.0	19.7	20.3
52.5°	22.1	21.4	20.6	19.6	20.6	21.4	22.1	22.5	22.8	23.5	23.3
50°	34.9	33.2	32.4	32.6	32.4	33.2	34.9	35.6	35.7	35.5	33.4
47.5°	64.4	64.3	64.0	63.6	64.0	64.3	64.4	63.1	63.3	62.7	57.9
45°	109.5	105.1	100.9	99.4	100.9	105.1	109.5	110.0	112.0	110.7	104.1
42.5°	192.5	191.6	188.2	184.2	188.2	191.6	192.5	188.8	194.4	189.2	177.7
40°	334.5	330.0	322.1	324.4	322.1	330.0	334.5	330.7	345.1	326.8	328.3
37.5°	696.6	663.2	612.6	613.0	612.6	663.2	696.6	718.7	730.4	596.4	709.5
35°	1630.7	1658.1	1625.7	1625.3	1625.7	1658.1	1630.7	1640.7	1643.5	1533.8	1617.1
32.5°	3120.7	3075.4	2891.6	2795.8	2891.6	3075.4	3120.7	3218.9	3143.1	3069.0	3087.1
30°	5879.1	5908.3	5632.8	5638.8	5632.8	5908.3	5879.1	5885.7	5517.1	5553.7	5333.6
27.5°	10059.9	10283.8	10224.9	10126.7	10224.9	10283.8	10059.9	9854.5	9345.0	9133.0	8592.3
25°	15043.3	15211.8	15099.0	15030.3	15099.0	15211.8	15043.3	14639.3	14023.2	13417.0	12643.4
22.5°	20797.5	21032.2	20973.3	20675.7	20973.3	21032.2	20797.5	20121.3	19424.9	18285.7	17254.4
20°	27167.7	27569.7	27803.3	27652.9	27803.3	27569.7	27167.7	26253.0	25142.4	23672.1	22092.3
17.5°	33391.2	33909.7	34307.2	34441.0	34307.2	33909.7	33391.2	32203.8	30531.9	28657.2	26647.4
15°	38624.5	39365.9	39888.1	40073.3	39888.1	39365.9	38624.5	37230.5	35165.5	32960.7	30478.0
12.5°	42380.1	43345.1	43957.5	44141.5	43957.5	43345.1	42380.1	40747.4	38810.0	36219.8	33585.7
10°	44445.3	45661.7	46358.8	46649.5	46358.8	45661.7	44445.3	42993.1	40911.6	38411.3	35457.7
7.5°	45599.2	46697.8	47356.5	47454.0	47356.5	46697.8	45599.2	43897.1	41985.5	39410.5	36437.6
5°	45973.6	46971.7	47515.4	47565.7	47515.4	46971.7	45973.6	44330.4	42341.7	39801.9	36689.1
2.5°	46137.6	46981.2	47382.1	47279.6	47382.1	46981.2	46137.6	44556.2	42620.3	40170.3	37160.1
0°	46053.7	46807.6	47233.1	47296.7	47233.1	46807.6	46053.7	44745.4	42785.9	40399.3	37333.0
-2.5°	45369.8	45931.3	46233.0	46039.0	46233.0	45931.3	45369.8	44180.6	42280.9	39863.5	36959.1
-5°	43810.5	44214.4	44340.5	44411.2	44340.5	44214.4	43810.5	42840.1	41092.6	38675.7	35945.5
-7.5°	41556.8	41886.4	42010.9	41923.6	42010.9	41886.4	41556.8	40559.4	38895.0	36761.2	34043.6
-10°	38586.3	38888.4	38993.9	38933.8	38993.9	38888.4	38586.3	37701.7	36099.4	34095.8	31701.4
-12.5°	35579.4	35937.4	36019.5	36024.7	36019.5	35937.4	35579.4	34709.6	33258.2	31455.8	29247.3
-15°	32623.5	33032.8	33157.9	33267.3	33157.9	33032.8	32623.5	31787.1	30507.5	28828.6	26839.7
-17.5°	29719.0	30125.6	30231.2	30088.4	30231.2	30125.6	29719.0	28916.7	27786.1	26278.5	24463.5
-20°	27331.5	27542.3	27767.2	27765.4	27767.2	27542.3	27331.5	26698.4	25574.4	24201.7	22588.8



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	25359.7	25708.2	25899.7	26035.7	25899.7	25708.2	25359.7	24831.5	23762.3	22458.4	20998.6
-25°	23510.3	23806.2	23925.3	24015.9	23925.3	23806.2	23510.3	22950.8	22036.1	20855.2	19470.5
-27.5°	22085.6	22385.9	22555.8	22656.4	22555.8	22385.9	22085.6	21522.7	20724.6	19589.1	18343.0
-30°	20949.4	21244.5	21446.9	21573.9	21446.9	21244.5	20949.4	20324.3	19557.2	18527.6	17384.3
-32.5°	19725.2	20033.8	20244.7	20375.7	20244.7	20033.8	19725.2	19129.8	18378.7	17477.8	16418.6
-35°	18452.9	18761.6	18989.2	19096.0	18989.2	18761.6	18452.9	17940.9	17207.6	16385.1	15437.4
-37.5°	17217.0	17505.1	17706.3	17785.4	17706.3	17505.1	17217.0	16774.2	16075.1	15330.6	14460.1
-40°	15928.6	16200.5	16387.3	16460.0	16387.3	16200.5	15928.6	15569.0	14917.4	14213.3	13449.2
-42.5°	14629.4	14883.1	15055.7	15128.2	15055.7	14883.1	14629.4	14317.4	13739.8	13097.6	12416.7
-45°	13313.4	13539.0	13685.2	13740.9	13685.2	13539.0	13313.4	13033.6	12545.8	11947.4	11309.9
-47.5°	12018.1	12221.5	12347.1	12387.8	12347.1	12221.5	12018.1	11768.3	11365.3	10830.5	10267.4
-50°	10753.6	10920.3	11035.2	11100.0	11035.2	10920.3	10753.6	10544.0	10229.0	9774.1	9302.4
-52.5°	9584.1	9735.4	9825.6	9861.0	9825.6	9735.4	9584.1	9396.8	9147.0	8757.2	8343.8
-55°	8487.9	8618.9	8695.5	8726.4	8695.5	8618.9	8487.9	8328.3	8135.7	7800.5	7443.8
-57.5°	7475.7	7583.0	7655.3	7696.1	7655.3	7583.0	7475.7	7343.7	7188.4	6900.4	6579.2
-60°	6515.9	6603.9	6664.5	6700.1	6664.5	6603.9	6515.9	6404.9	6271.2	6032.0	5757.0
-62.5°	5589.4	5664.2	5713.3	5741.5	5713.3	5664.2	5589.4	5495.4	5382.1	5197.4	4970.9
-65°	4751.8	4817.4	4849.0	4861.2	4849.0	4817.4	4751.8	4671.2	4575.8	4431.2	4245.1
-67.5°	4010.7	4069.7	4091.1	4095.0	4091.1	4069.7	4010.7	3939.6	3856.6	3739.7	3585.3
-70°	3303.3	3351.3	3367.6	3369.6	3367.6	3351.3	3303.3	3245.5	3178.8	3089.7	2967.1
-72.5°	2627.3	2657.5	2680.9	2696.3	2680.9	2657.5	2627.3	2588.7	2541.9	2478.1	2383.6
-75°	2027.4	2053.3	2064.6	2068.7	2064.6	2053.3	2027.4	1995.1	1956.6	1908.2	1839.5
-77.5°	1476.5	1496.2	1500.7	1499.8	1500.7	1496.2	1476.5	1452.3	1424.0	1390.4	1344.4
-80°	989.1	998.3	1004.3	1007.5	1004.3	998.3	989.1	976.7	961.1	941.5	912.9
-82.5°	605.9	617.1	605.7	591.8	605.7	617.1	605.9	593.2	578.9	563.6	550.5
-85°	283.5	284.0	285.0	285.3	285.0	284.0	283.5	282.2	280.3	277.5	272.5
-87.5°	106.0	107.3	106.7	106.0	106.7	107.3	106.0	104.6	103.1	101.4	99.6
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	18.8	18.3	17.9	17.5	17.1	16.7	16.3	15.5	14.7	13.8	13.0
87.5°	10.1	8.1	6.2	6.9	7.6	8.3	8.9	8.5	8.0	7.6	7.2
85°	22.7	20.6	18.5	18.4	18.3	18.2	18.1	17.7	17.2	16.5	15.7
82.5°	27.2	27.9	28.5	30.7	32.4	33.6	34.1	34.0	33.3	32.0	30.2
80°	34.2	36.5	38.9	43.6	47.8	51.4	54.1	55.3	55.9	55.8	53.9
77.5°	40.0	44.0	48.3	55.2	61.7	67.7	72.8	75.7	77.1	77.8	75.6
75°	40.0	45.3	52.0	61.7	70.9	79.5	85.9	90.4	94.0	96.7	94.3
72.5°	34.7	39.7	47.8	60.1	73.0	83.9	92.8	100.2	106.7	112.2	108.4
70°	27.6	31.1	38.4	49.3	61.1	73.7	87.2	100.6	113.9	122.5	116.3
67.5°	21.8	23.8	29.7	38.5	48.7	60.1	73.6	89.1	104.1	118.1	115.3
65°	18.5	19.2	22.8	29.1	36.8	46.1	57.6	71.1	87.0	103.0	103.5
62.5°	17.3	17.9	20.1	23.5	27.9	33.7	42.4	54.3	68.0	79.0	82.9
60°	17.6	18.2	19.6	21.3	23.2	26.3	33.1	41.1	50.4	59.7	64.4
57.5°	19.5	19.8	20.5	21.4	22.5	25.3	28.8	32.6	40.2	45.6	49.6
55°	20.9	21.5	22.0	22.4	22.9	25.4	28.0	31.3	34.7	36.4	41.4
52.5°	22.6	24.0	24.7	24.3	25.1	26.9	28.1	30.9	33.7	35.7	36.9
50°	32.1	33.7	32.5	29.8	32.5	32.1	31.8	32.4	35.7	37.5	37.4
47.5°	57.4	57.9	52.5	48.9	51.9	48.0	45.0	42.5	47.5	42.7	42.2
45°	108.2	105.7	93.1	94.4	90.9	84.8	71.8	78.6	72.7	65.1	50.0
42.5°	189.5	185.7	172.7	180.0	167.1	150.9	143.8	151.1	126.6	102.8	108.3
40°	344.0	300.1	325.5	337.0	303.9	255.9	321.9	276.6	235.7	169.5	223.1
37.5°	718.1	585.4	704.3	707.8	613.2	564.1	635.5	572.9	400.1	423.1	430.5
35°	1541.0	1467.4	1440.8	1389.6	1212.9	1271.8	1139.7	1008.3	865.9	818.9	741.1
32.5°	2790.6	2868.9	2684.1	2457.3	2435.8	2314.7	2040.8	1643.9	1645.5	1483.5	1212.2
30°	4961.5	4856.5	4525.3	4149.1	4141.3	3832.3	3221.8	2956.4	2711.4	2343.6	1826.5
27.5°	8225.5	7498.7	6976.5	6683.3	6249.1	5740.2	5140.4	4519.9	3996.4	3435.9	2740.1
25°	12073.0	11168.4	10233.0	9612.5	8856.8	8053.4	7308.2	6438.1	5562.2	4683.1	3801.5
22.5°	16200.5	15101.7	13960.5	12806.4	11676.0	10645.2	9656.6	8502.6	7167.2	5933.1	4913.4
20°	20439.9	18939.1	17562.9	15961.7	14429.7	13175.1	12057.6	10468.4	8685.4	7185.4	5996.1
17.5°	24468.3	22555.0	20616.4	18627.9	16970.6	15611.3	13882.2	12024.0	10103.3	8363.2	7030.4
15°	28093.5	25461.7	23153.4	21058.7	19058.2	17088.1	15275.5	13437.8	11428.6	9546.9	7975.2
12.5°	30603.7	27845.5	25367.2	22725.1	20391.9	18330.2	16490.0	14647.4	12538.2	10330.9	8502.5
10°	32443.5	29454.2	26560.9	23866.5	21520.7	19430.5	17386.4	15292.1	13012.3	10800.8	8940.5
7.5°	33290.5	30304.4	27458.4	24688.3	22238.7	20051.8	17880.8	15700.8	13351.2	11126.3	9292.4
5°	33685.3	30824.7	27997.7	25111.4	22652.0	20490.4	18283.3	16011.2	13557.8	11322.2	9562.1
2.5°	34046.4	31105.2	28265.6	25291.2	22896.6	20788.1	18634.6	16324.6	13814.5	11526.4	9734.7
0°	34286.1	31392.5	28518.5	25408.1	23034.6	20972.4	18939.5	16603.5	14037.6	11668.9	9838.2
-2.5°	33873.7	30963.7	28136.5	25170.3	22744.1	20712.2	18718.9	16487.9	13994.3	11668.8	9842.4
-5°	32973.6	30102.4	27333.2	24501.7	22081.5	20063.8	18143.7	16059.4	13740.5	11541.7	9783.3
-7.5°	31288.8	28722.7	26209.4	23574.6	21192.3	19182.4	17302.8	15320.5	13182.4	11122.0	9434.8
-10°	29140.4	26782.6	24435.1	22102.1	20006.9	18156.9	16368.0	14513.5	12535.2	10619.2	9029.9
-12.5°	27004.2	24755.8	22519.9	20378.1	18550.6	16847.2	15258.2	13626.5	11811.5	10036.0	8574.9
-15°	24697.6	22669.4	20696.4	18788.0	17020.3	15464.6	14059.4	12602.8	10992.5	9404.3	8074.1
-17.5°	22692.1	20675.0	18865.8	17323.6	15716.4	14135.2	12876.9	11600.9	10227.6	8856.1	7645.0
-20°	20918.7	19208.4	17449.5	15976.3	14603.0	13228.2	11874.4	10662.2	9518.1	8358.4	7274.3



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19480.2	17932.3	16380.1	14882.4	13583.6	12410.3	11220.9	10015.9	8855.5	7848.5	6915.6
-25°	18201.4	16739.9	15378.4	14113.7	12794.9	11633.2	10626.6	9559.0	8452.3	7397.7	6584.3
-27.5°	17131.7	15800.5	14573.4	13429.5	12243.3	11103.2	10107.1	9119.4	8092.4	7144.9	6309.9
-30°	16213.5	15056.6	13921.2	12844.0	11758.8	10686.7	9654.8	8717.7	7764.9	6871.5	6081.4
-32.5°	15342.3	14269.1	13234.9	12252.7	11242.9	10237.4	9269.4	8311.4	7394.7	6594.3	5861.3
-35°	14429.9	13433.8	12508.7	11599.0	10692.1	9757.9	8831.1	7892.5	7037.9	6286.9	5606.6
-37.5°	13534.5	12611.9	11756.4	10913.1	10087.6	9234.9	8342.0	7486.6	6678.3	5962.7	5318.6
-40°	12620.3	11785.8	10984.8	10211.7	9441.2	8668.9	7855.3	7060.8	6320.1	5606.5	5001.8
-42.5°	11662.9	10917.5	10195.1	9481.9	8764.6	8061.7	7349.5	6632.1	5936.6	5272.7	4666.0
-45°	10673.6	10028.2	9379.7	8728.5	8071.4	7450.5	6839.3	6182.4	5536.5	4918.9	4319.6
-47.5°	9716.6	9152.4	8560.4	7976.8	7411.9	6848.2	6296.6	5713.5	5121.1	4542.7	4010.3
-50°	8817.6	8303.5	7782.9	7267.0	6769.3	6259.7	5749.0	5236.1	4690.9	4174.2	3688.2
-52.5°	7913.8	7478.2	7034.4	6586.9	6136.7	5669.8	5197.5	4740.6	4259.5	3806.7	3376.6
-55°	7067.5	6683.4	6293.7	5898.6	5505.5	5094.9	4673.7	4258.4	3853.8	3443.3	3073.6
-57.5°	6237.3	5897.8	5576.6	5246.0	4907.5	4548.0	4181.1	3810.2	3453.2	3102.3	2768.2
-60°	5474.7	5188.7	4906.6	4623.0	4340.1	4031.6	3701.1	3375.6	3056.5	2764.9	2481.3
-62.5°	4732.8	4484.7	4251.7	4017.5	3774.0	3511.4	3229.0	2964.4	2698.1	2436.3	2206.5
-65°	4048.5	3842.4	3637.5	3445.1	3251.3	3054.7	2815.5	2581.4	2357.2	2141.4	1940.4
-67.5°	3424.5	3258.5	3095.6	2934.6	2773.8	2610.1	2413.4	2214.6	2030.5	1855.7	1684.9
-70°	2838.8	2705.5	2572.3	2438.9	2307.9	2179.7	2031.0	1874.3	1721.3	1572.7	1423.7
-72.5°	2284.3	2181.1	2077.9	1977.6	1876.0	1776.2	1661.3	1532.9	1405.8	1280.6	1159.7
-75°	1766.9	1690.9	1614.1	1539.4	1461.8	1381.8	1298.4	1202.8	1106.5	1010.0	914.2
-77.5°	1295.3	1243.2	1189.9	1140.1	1088.9	1036.8	977.5	901.3	829.2	758.0	688.7
-80°	882.3	849.9	816.9	787.6	756.3	723.0	684.8	630.5	576.7	526.8	481.7
-82.5°	536.0	520.0	502.7	485.8	467.4	447.4	424.9	393.4	362.2	331.8	302.1
-85°	266.8	260.4	253.3	246.1	238.2	229.7	220.4	207.0	193.1	178.8	164.0
-87.5°	97.6	95.5	93.3	91.6	89.8	87.9	85.7	80.8	75.8	70.9	66.0
-90°	3.3	3.3	3.3	3.7	4.1	4.5	4.9	4.9	4.9	4.9	4.9



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	12.6	12.2	11.8	11.4	11.4	11.4	11.4	11.4	11.0	10.6	10.2
87.5°	8.5	9.6	10.6	11.4	10.8	10.2	9.6	9.0	9.4	9.6	9.8
85°	16.0	16.5	17.2	18.0	16.9	15.5	14.3	13.2	13.5	13.6	13.5
82.5°	27.3	25.9	25.1	24.6	24.4	23.7	22.3	20.3	18.4	17.5	17.2
80°	48.4	43.3	38.7	34.8	32.7	32.0	31.1	28.9	24.5	21.5	19.9
77.5°	67.8	60.8	54.3	47.9	42.2	38.4	36.5	35.5	30.4	25.3	22.0
75°	85.6	76.3	67.7	59.2	51.0	44.2	39.6	36.6	32.6	28.6	23.9
72.5°	97.5	87.6	78.6	69.4	58.6	49.7	42.6	37.5	33.5	29.4	25.3
70°	105.8	96.1	85.9	75.3	64.8	54.6	45.6	39.5	34.3	30.1	26.0
67.5°	110.8	99.9	89.9	80.3	69.5	58.6	48.2	41.6	36.2	30.8	26.5
65°	99.7	96.1	92.0	81.8	72.1	62.2	51.3	43.9	38.0	32.4	27.1
62.5°	85.3	85.3	82.8	80.4	72.8	63.3	54.3	46.8	39.9	34.0	28.2
60°	67.5	70.5	72.9	72.3	69.7	63.3	55.4	49.4	42.1	35.4	29.4
57.5°	54.5	56.6	61.3	64.0	63.3	60.3	56.1	50.8	44.0	37.0	30.7
55°	44.6	48.4	52.2	55.5	57.0	55.3	55.8	51.5	45.6	38.4	32.2
52.5°	39.5	43.2	47.1	49.3	51.0	51.9	54.3	52.4	46.4	39.6	33.8
50°	38.0	42.0	44.8	46.5	46.7	50.6	53.9	52.7	47.3	40.5	35.5
47.5°	43.7	47.1	46.0	45.8	45.7	50.6	54.5	53.6	48.2	41.4	37.4
45°	65.0	59.6	53.5	48.9	49.0	54.2	56.3	55.3	49.9	43.7	39.5
42.5°	103.0	92.6	70.8	53.6	62.8	60.1	59.2	58.0	52.2	46.5	41.8
40°	208.4	145.9	100.8	93.5	86.3	68.0	65.8	61.7	55.3	49.9	44.5
37.5°	355.4	257.5	163.4	166.8	128.6	96.9	73.8	66.2	60.6	54.4	47.3
35°	610.3	429.6	340.5	303.1	217.7	132.4	83.1	72.6	67.1	59.1	50.4
32.5°	925.4	754.9	666.4	510.4	329.2	174.4	108.7	84.6	74.4	63.9	53.6
30°	1458.0	1317.0	1068.3	765.0	486.6	277.9	153.7	98.4	82.4	69.0	57.2
27.5°	2261.3	1979.9	1557.5	1132.7	729.4	403.6	220.1	113.9	91.1	74.8	61.3
25°	3136.0	2731.1	2194.7	1570.0	1002.9	603.3	301.3	132.6	102.7	81.7	65.4
22.5°	4102.2	3507.5	2897.9	2048.0	1306.3	835.3	430.6	194.6	116.2	89.0	69.6
20°	5028.0	4297.9	3601.1	2423.2	1630.4	1105.3	610.7	264.1	130.4	96.4	73.7
17.5°	5927.1	4946.8	3981.2	2831.9	1948.1	1360.2	805.4	339.3	145.0	103.9	77.7
15°	6540.2	5380.3	4337.0	3196.9	2232.0	1599.9	1010.1	418.5	159.8	111.5	83.9
12.5°	7010.1	5773.0	4676.7	3518.3	2483.5	1824.3	1220.0	499.5	174.6	123.2	92.8
10°	7413.5	6124.1	4995.3	3796.9	2704.6	2033.4	1429.9	575.9	197.5	138.2	101.7
7.5°	7752.3	6433.0	5287.6	4033.5	2885.3	2171.3	1558.6	638.0	221.2	153.2	110.5
5°	8016.6	6661.8	5518.6	4194.6	2979.3	2233.4	1656.0	692.3	244.2	167.9	119.1
2.5°	8173.9	6786.1	5693.3	4314.4	3054.3	2279.1	1731.7	737.9	266.2	182.1	127.4
0°	8276.5	6866.4	5824.7	4396.6	3108.8	2310.0	1785.1	774.3	286.9	195.6	135.3
-2.5°	8315.5	6878.3	5843.6	4501.4	3219.5	2405.5	1837.0	875.4	383.8	262.0	177.9
-5°	8294.0	6853.7	5824.3	4567.4	3307.0	2485.0	1869.6	966.6	477.6	326.4	219.3
-7.5°	8034.7	6709.1	5723.6	4577.4	3370.1	2545.9	1886.5	1047.8	566.9	388.0	259.1
-10°	7688.6	6476.7	5514.7	4439.6	3363.4	2582.5	1895.5	1119.2	650.4	445.6	296.6
-12.5°	7304.7	6213.9	5287.8	4289.2	3332.9	2602.3	1920.4	1185.7	726.8	498.5	331.1
-15°	6889.1	5922.8	5049.3	4133.9	3290.6	2612.4	1933.9	1242.7	795.8	548.6	362.2
-17.5°	6480.3	5605.6	4804.9	3981.1	3239.0	2614.2	1937.7	1286.8	856.8	596.9	395.4
-20°	6258.1	5375.1	4564.8	3837.2	3180.5	2609.3	1933.4	1317.5	909.1	639.5	429.4



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6036.4	5224.0	4449.5	3735.1	3131.2	2599.1	1922.7	1334.4	952.0	675.9	459.0
-25°	5803.2	5065.2	4337.9	3662.8	3098.2	2561.8	1917.4	1337.3	984.9	705.8	483.8
-27.5°	5596.9	4904.8	4208.8	3562.6	3033.5	2522.3	1909.0	1369.0	1010.9	728.7	503.6
-30°	5403.7	4742.7	4072.1	3445.2	2945.5	2427.0	1883.8	1389.0	1034.0	748.3	518.1
-32.5°	5204.1	4565.1	3907.6	3330.5	2828.5	2318.8	1812.9	1395.1	1047.7	763.1	530.5
-35°	4971.4	4349.6	3715.5	3188.3	2697.4	2207.2	1733.6	1386.9	1051.9	770.4	538.3
-37.5°	4707.2	4097.4	3534.1	3028.0	2557.0	2087.3	1675.8	1345.9	1046.3	770.1	540.4
-40°	4415.0	3845.3	3325.9	2865.3	2414.5	1959.5	1607.1	1302.7	1036.6	762.1	536.7
-42.5°	4107.7	3599.3	3127.2	2692.8	2266.8	1870.5	1530.2	1251.3	1001.3	750.1	527.2
-45°	3820.4	3348.9	2921.3	2517.7	2119.0	1770.6	1463.8	1193.3	956.9	732.1	514.1
-47.5°	3524.0	3107.1	2712.7	2332.5	1993.8	1666.2	1388.3	1135.6	906.3	706.0	498.9
-50°	3244.5	2863.9	2502.9	2165.9	1850.9	1571.5	1306.7	1070.6	855.6	662.3	478.8
-52.5°	2981.5	2628.9	2304.5	1998.5	1724.3	1467.1	1224.6	999.2	799.2	619.8	453.8
-55°	2720.3	2405.0	2110.7	1843.8	1595.1	1361.1	1134.6	927.5	737.3	575.2	424.7
-57.5°	2469.0	2183.3	1933.0	1693.1	1462.8	1246.9	1042.1	849.6	677.1	526.4	396.7
-60°	2216.2	1984.7	1759.3	1536.4	1324.6	1129.0	945.5	768.7	614.0	475.3	361.4
-62.5°	1987.2	1779.7	1575.6	1371.6	1183.9	1009.0	844.3	688.7	546.1	427.7	322.2
-65°	1752.6	1566.5	1383.2	1208.5	1041.5	885.8	743.9	603.4	483.3	377.1	283.5
-67.5°	1515.1	1352.6	1197.1	1041.9	900.2	766.2	638.1	524.0	419.5	323.8	250.1
-70°	1278.0	1137.6	1010.2	884.9	761.1	644.4	542.8	445.2	352.7	280.4	215.1
-72.5°	1046.0	936.4	831.4	726.3	627.4	534.1	446.7	366.8	298.3	235.5	178.6
-75°	821.7	739.6	660.6	580.2	497.8	421.4	359.4	300.5	242.3	189.0	146.9
-77.5°	622.4	557.4	494.0	438.1	381.3	328.1	278.8	232.2	187.5	149.8	116.3
-80°	438.5	396.3	355.2	314.7	272.3	233.1	201.8	171.5	139.3	110.4	84.9
-82.5°	272.7	248.7	226.3	203.7	179.3	156.0	133.7	112.5	90.1	70.2	58.4
-85°	149.6	135.2	120.8	106.4	91.9	78.1	71.5	65.0	57.0	49.5	42.4
-87.5°	62.4	58.8	55.2	51.6	48.2	44.8	41.5	38.3	34.1	30.1	26.4
-90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.3	5.7	6.1



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.8	9.4	9.0	8.6	8.2	7.4	6.5
87.5°	9.9	9.4	9.1	8.8	8.8	7.6	6.5
85°	13.3	11.9	10.7	9.9	9.3	7.8	6.5
82.5°	16.6	14.3	12.4	11.0	9.9	8.1	6.5
80°	19.6	16.7	14.1	12.0	10.4	8.3	6.5
77.5°	20.3	18.4	15.7	13.0	11.0	8.6	6.5
75°	20.9	18.7	17.0	14.0	11.5	8.8	6.5
72.5°	21.5	18.9	17.0	15.0	12.0	9.0	6.5
70°	22.1	19.1	17.0	15.7	12.5	9.2	6.5
67.5°	22.7	19.3	17.0	15.5	12.9	9.4	6.5
65°	23.4	19.7	16.9	15.4	13.4	9.6	6.5
62.5°	24.1	20.4	16.8	15.2	13.8	9.8	6.5
60°	24.7	21.0	16.6	15.0	14.3	10.0	6.5
57.5°	26.0	21.7	17.2	14.7	14.1	10.2	6.5
55°	27.3	22.3	17.7	14.5	14.0	10.4	6.5
52.5°	28.5	23.0	18.3	14.2	13.9	10.5	6.5
50°	29.7	24.1	18.9	13.8	13.8	10.7	6.5
47.5°	31.0	25.1	19.4	13.7	13.7	10.8	6.5
45°	32.8	26.0	19.9	14.1	13.6	11.0	6.5
42.5°	34.7	27.0	20.4	14.5	13.6	11.1	6.5
40°	36.7	27.8	21.0	15.1	13.6	11.2	6.5
37.5°	38.8	28.7	21.7	15.8	13.6	11.3	6.5
35°	40.9	30.0	22.3	16.6	13.6	11.4	6.5
32.5°	43.1	31.6	22.8	17.5	13.6	11.5	6.5
30°	45.6	33.2	23.3	18.3	13.6	11.5	6.5
27.5°	48.2	34.7	25.0	19.2	13.7	11.6	6.5
25°	50.8	36.2	26.9	20.0	13.8	11.6	6.5
22.5°	53.4	38.5	28.9	20.9	13.8	11.6	6.5
20°	56.0	42.7	30.9	21.8	13.9	11.7	6.5
17.5°	60.8	46.9	33.0	22.6	14.0	11.7	6.5
15°	67.0	51.1	35.2	23.5	14.1	11.7	6.5
12.5°	73.0	55.4	37.3	24.3	14.2	11.6	6.5
10°	79.0	59.6	39.5	25.1	14.3	11.6	6.5
7.5°	84.8	63.7	41.6	25.8	14.4	11.6	6.5
5°	90.5	67.7	43.6	26.5	14.5	11.5	6.5
2.5°	95.9	71.4	45.5	27.1	14.6	11.5	6.5
0°	101.1	75.0	47.3	27.7	14.7	11.4	6.5
-2.5°	126.4	89.7	55.0	31.1	15.8	11.6	6.5
-5°	151.2	103.9	62.4	34.4	16.9	11.8	6.5
-7.5°	174.9	117.5	69.5	37.5	18.0	12.0	6.5
-10°	197.4	130.3	76.2	40.5	19.1	12.2	6.5
-12.5°	218.4	142.1	82.4	43.2	20.0	12.3	6.5
-15°	237.5	152.8	88.0	45.7	21.0	12.5	6.5
-17.5°	254.5	162.3	93.0	47.9	21.8	12.6	6.5
-20°	273.1	170.3	97.3	49.8	22.6	12.7	6.5



REPORT NUMBER: P731494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	295.2	176.9	100.7	51.4	23.3	12.8	6.5
-25°	314.1	186.8	103.4	52.6	23.8	12.9	6.5
-27.5°	329.5	196.9	105.1	53.4	24.3	12.9	6.5
-30°	341.2	204.7	106.3	53.8	24.7	12.9	6.5
-32.5°	348.9	210.2	110.3	53.8	25.0	12.9	6.5
-35°	354.5	213.3	112.9	53.4	25.1	12.9	6.5
-37.5°	357.1	214.7	114.1	52.6	25.1	12.9	6.5
-40°	356.1	215.5	113.9	51.2	25.0	12.8	6.5
-42.5°	351.3	214.0	113.3	50.1	24.8	12.7	6.5
-45°	342.8	210.0	112.6	49.5	24.5	12.6	6.5
-47.5°	330.6	203.8	110.7	48.2	24.0	12.5	6.5
-50°	318.5	195.2	107.5	47.8	23.4	12.3	6.5
-52.5°	303.7	184.4	103.2	47.3	22.7	12.1	6.5
-55°	285.7	175.3	97.7	46.3	21.9	11.9	6.5
-57.5°	264.6	165.1	91.1	44.7	20.9	11.7	6.5
-60°	241.4	153.2	83.6	42.7	19.9	11.4	6.5
-62.5°	222.1	139.7	78.4	40.1	19.2	11.2	6.5
-65°	200.6	124.8	72.3	37.2	18.4	10.9	6.5
-67.5°	177.0	110.9	65.5	33.8	17.5	10.6	6.5
-70°	151.6	98.3	58.0	30.1	16.6	10.3	6.5
-72.5°	130.4	84.7	49.9	27.5	15.7	9.9	6.5
-75°	108.8	70.3	41.1	25.2	14.7	9.6	6.5
-77.5°	86.0	55.0	35.6	22.6	13.7	9.2	6.5
-80°	62.4	44.2	30.5	20.0	12.6	8.9	6.5
-82.5°	48.5	35.8	25.3	17.2	11.6	8.5	6.5
-85°	35.8	27.1	20.0	14.4	10.5	8.1	6.5
-87.5°	22.9	18.3	14.5	11.5	9.3	7.7	6.5
-90°	6.5	6.9	7.4	7.8	8.2	7.4	6.5

(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

