

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: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-5S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-80-5S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

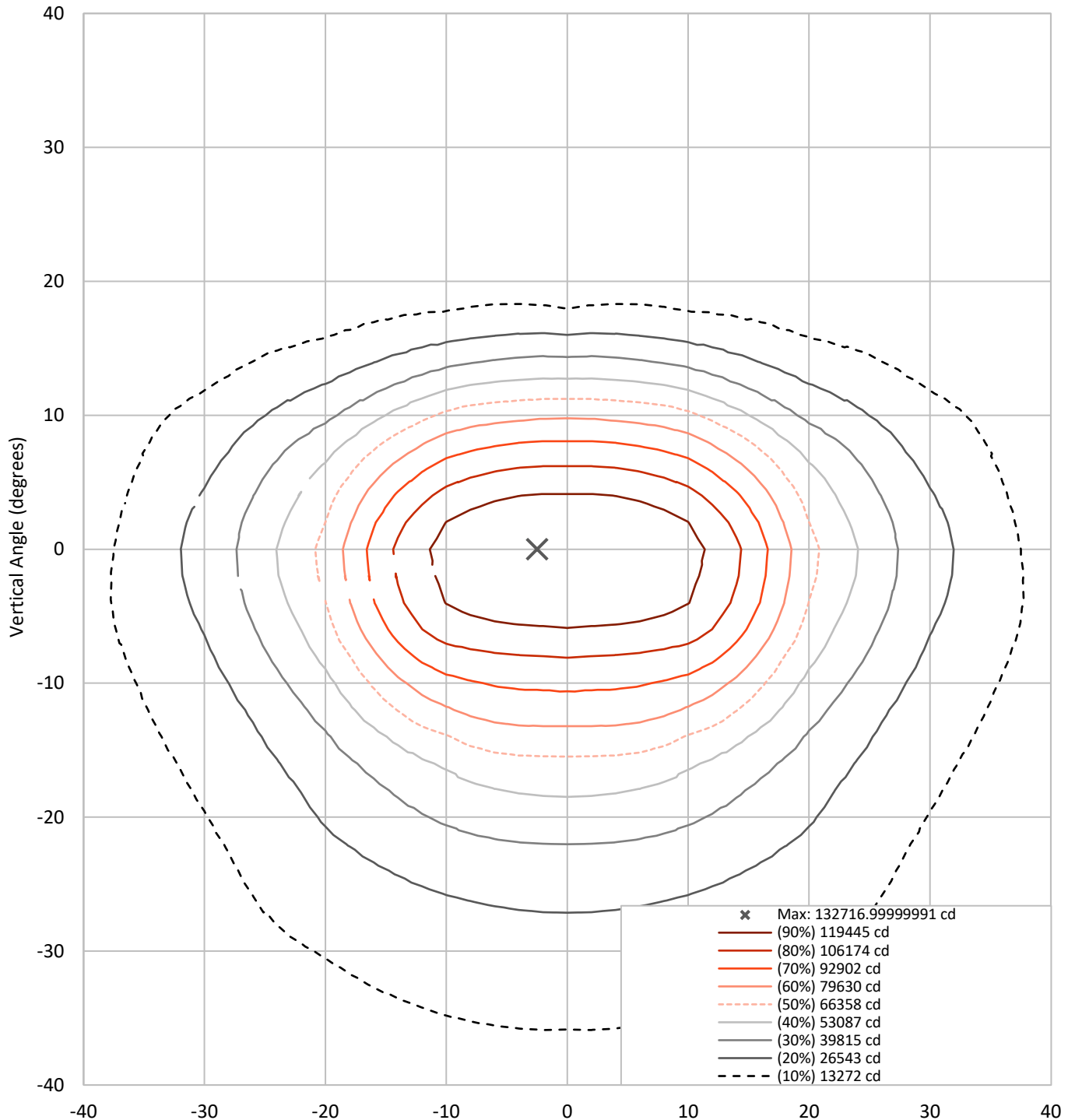
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	52589.9 lumens	Max Intensity:	132717 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	75.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	26064.7 lumens	Field Lumens:	47142.9 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

Input Watts (W): 697.2
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: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

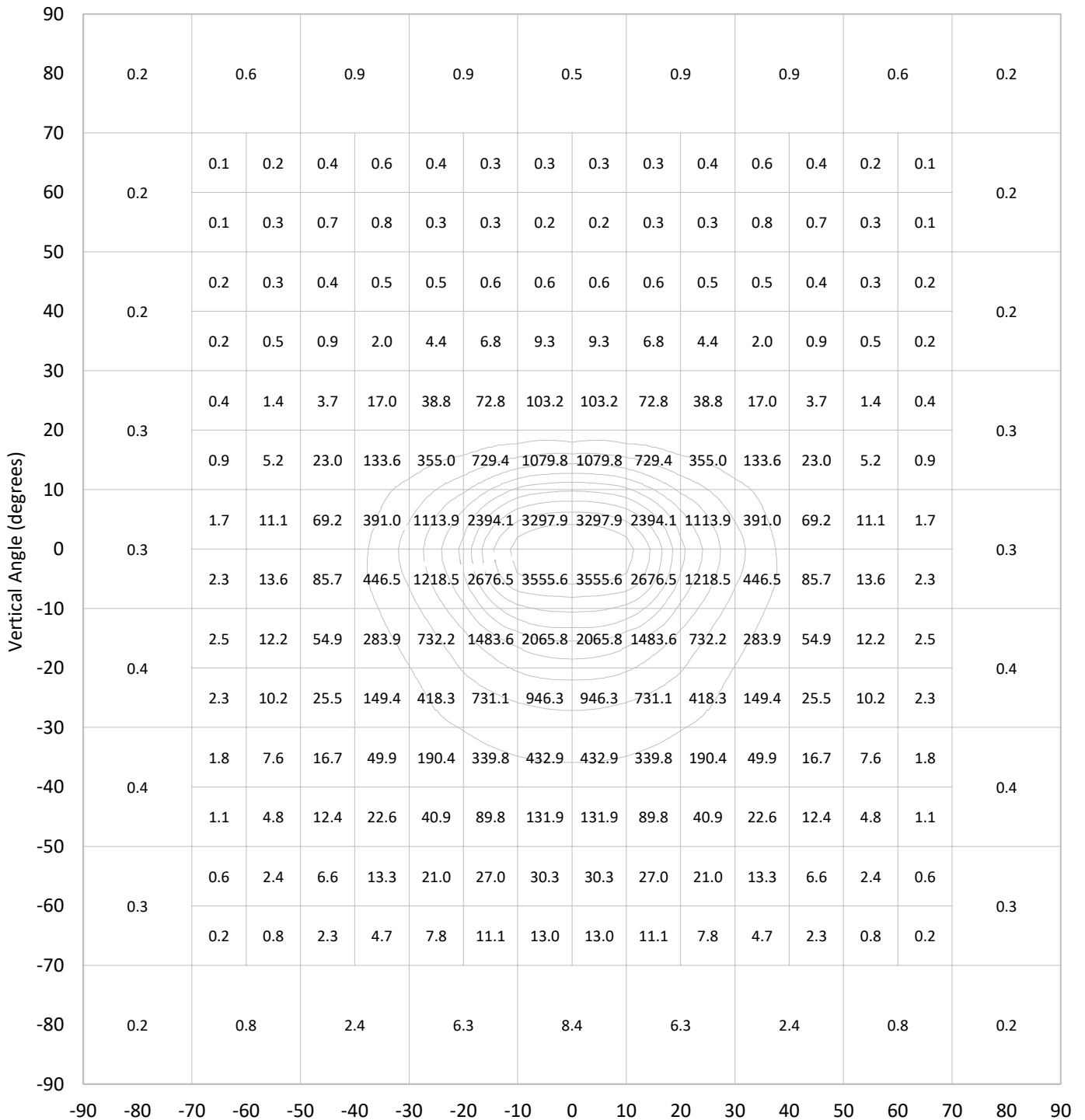
Iso-Candela Plot





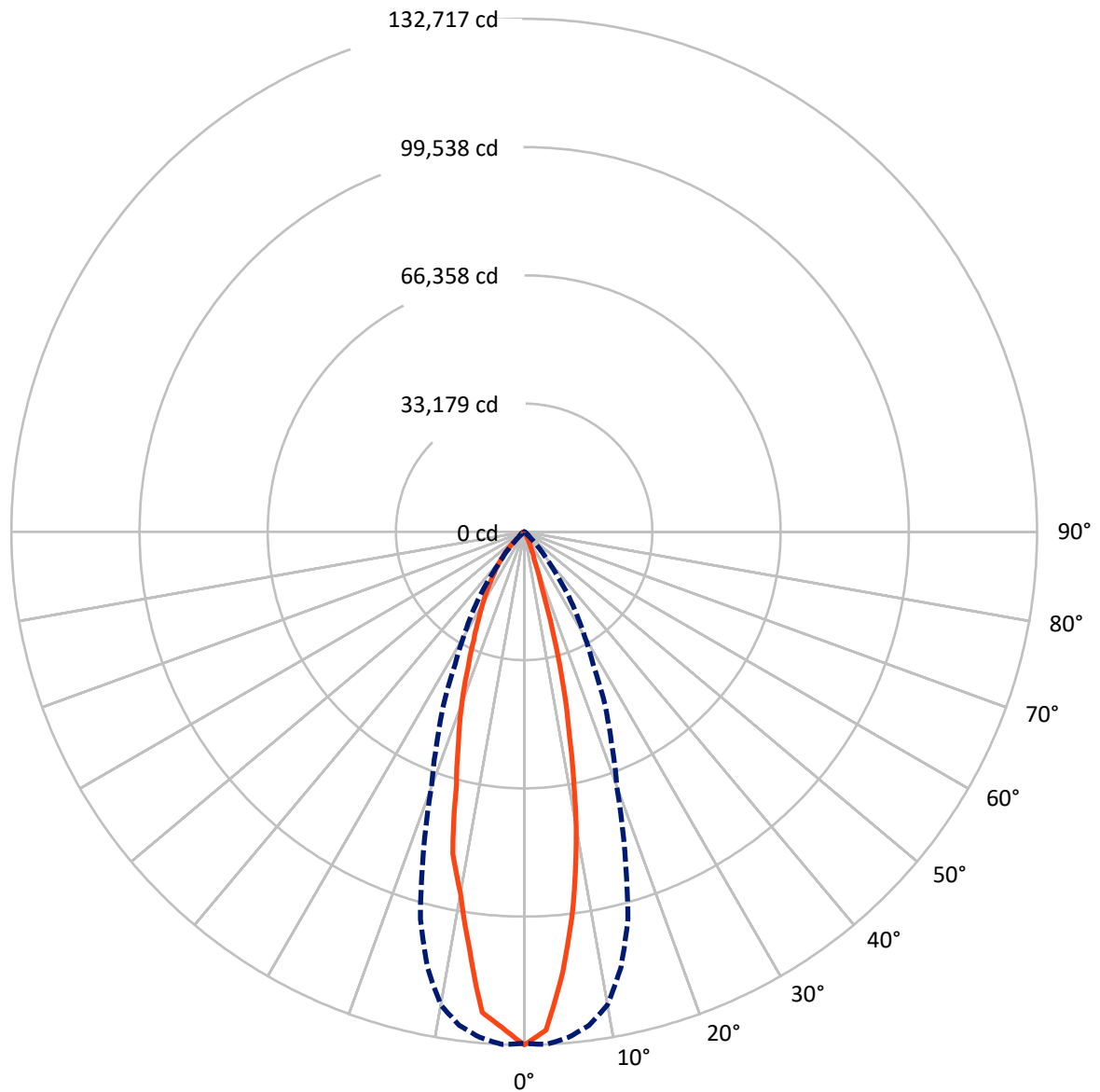
REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

Lumen Table



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

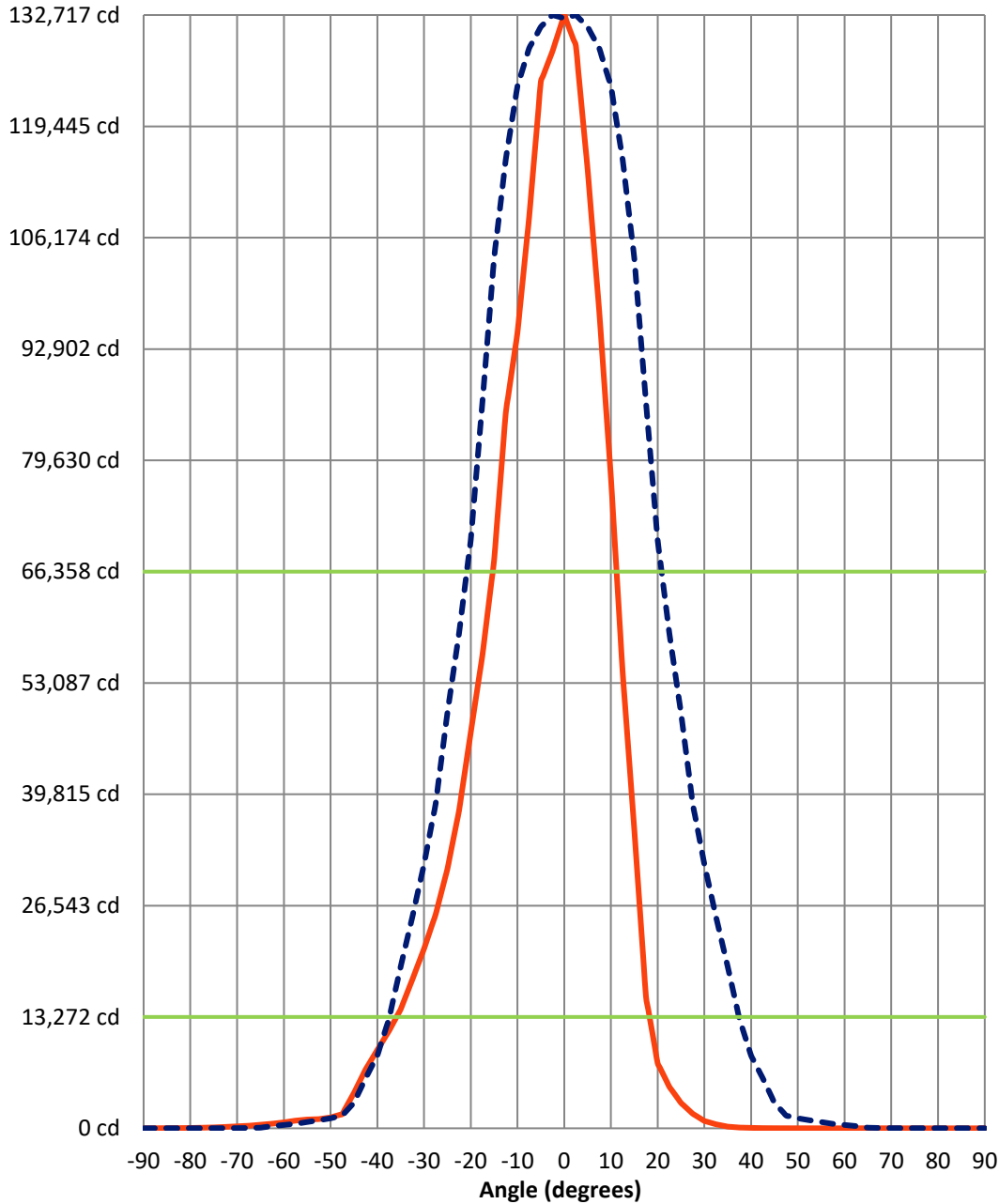
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 26064.7
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 47142.9
 Efficiency: 89.6%

Spill:
 Lumens: 5447
 Efficiency: 10.4%

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



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.3	8.4	8.4	8.5	8.6	8.6	8.4	8.3	8.1
85°	8.1	8.2	8.4	8.6	8.8	9.0	9.1	9.0	8.8	8.5	8.1
82.5°	8.1	8.2	8.6	8.9	9.1	9.4	9.6	9.5	9.2	8.8	8.7
80°	8.1	8.3	8.8	9.1	9.5	9.8	10.1	9.7	9.5	9.4	9.5
77.5°	8.1	8.3	8.9	9.4	9.8	10.1	10.1	9.9	9.8	10.0	10.1
75°	8.1	8.3	9.1	9.6	10.1	10.1	10.1	10.0	10.1	10.1	10.1
72.5°	8.1	8.4	9.2	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1
70°	8.1	8.4	9.4	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
67.5°	8.1	8.5	9.5	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
65°	8.1	8.5	9.6	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
62.5°	8.1	8.5	9.7	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
60°	8.1	8.5	9.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
57.5°	8.1	8.6	9.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
55°	8.1	8.6	9.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
52.5°	8.1	8.6	9.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
50°	8.1	8.6	9.8	10.1	10.1	10.1	10.1	10.2	10.1	10.1	10.7
47.5°	8.1	8.6	9.8	10.1	10.1	10.1	10.1	10.4	10.1	10.1	11.4
45°	8.1	8.6	9.8	10.1	10.1	10.1	10.3	10.5	10.3	10.7	12.0
42.5°	8.1	8.6	9.8	10.1	10.1	10.1	10.5	10.8	10.5	11.2	12.8
40°	8.1	8.6	9.8	10.1	10.1	10.1	10.7	11.0	11.0	11.8	13.4
37.5°	8.1	8.6	9.8	10.1	10.1	10.1	10.9	11.4	11.7	12.6	13.9
35°	8.1	8.6	9.8	10.1	10.1	10.2	11.2	11.7	12.4	13.5	14.3
32.5°	8.1	8.6	9.8	10.1	10.1	10.4	11.5	12.1	13.1	14.4	15.6
30°	8.1	8.5	9.8	10.1	10.1	10.7	11.8	12.6	13.8	15.4	17.1
27.5°	8.1	8.5	9.9	10.1	10.1	10.9	12.2	13.2	14.5	16.4	18.8
25°	8.1	8.5	9.9	10.1	10.1	11.1	12.5	13.7	15.3	17.7	20.9
22.5°	8.1	8.5	9.9	10.1	10.1	11.3	12.9	14.3	16.2	19.3	24.5
20°	8.1	8.4	9.9	10.1	10.1	11.5	13.3	14.8	17.0	20.9	28.6
17.5°	8.1	8.4	10.0	10.1	10.1	11.6	13.5	15.3	17.9	22.7	33.1
15°	8.1	8.4	10.0	10.1	10.1	11.8	13.7	15.6	18.8	24.5	37.8
12.5°	8.1	8.3	10.0	10.1	10.1	11.9	13.8	15.8	19.5	26.2	42.8
10°	8.1	8.3	10.0	10.1	10.1	11.9	13.9	15.9	20.1	28.6	48.2
7.5°	8.1	8.2	10.1	10.1	10.1	12.0	14.0	16.0	20.7	31.1	54.7
5°	8.1	8.2	10.1	10.1	10.1	12.1	14.1	16.0	21.2	33.7	61.0
2.5°	8.1	8.1	10.1	10.1	10.1	12.1	14.1	16.1	21.7	36.1	67.0
0°	8.1	8.1	10.1	10.1	10.1	12.1	14.1	16.1	21.7	36.1	67.0
-2.5°	8.1	8.1	10.1	10.1	10.3	12.3	14.4	18.0	27.5	48.1	88.5
-5°	8.1	8.2	10.1	10.1	10.4	12.5	14.6	19.8	32.7	57.4	103.5
-7.5°	8.1	8.2	10.1	10.1	10.6	12.7	14.8	21.4	37.4	66.0	117.0
-10°	8.1	8.3	10.0	10.1	10.8	12.8	15.0	22.8	41.5	73.6	128.8
-12.5°	8.1	8.3	10.0	10.1	10.9	13.0	15.1	23.9	44.9	80.0	137.9
-15°	8.1	8.4	10.0	10.1	11.0	13.1	15.3	24.6	47.7	85.4	144.7
-17.5°	8.1	8.4	10.0	10.1	11.1	13.2	15.4	25.7	50.1	89.3	149.2
-20°	8.1	8.4	9.9	10.1	11.1	13.2	15.9	27.1	51.6	91.7	151.3



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.1	8.5	9.9	10.1	11.2	13.3	16.8	28.1	52.1	92.2	150.9
-25°	8.1	8.5	9.9	10.1	11.2	13.3	17.4	28.5	51.4	91.0	147.9
-27.5°	8.1	8.5	9.9	10.1	11.1	13.3	17.6	28.5	49.7	88.7	146.0
-30°	8.1	8.5	9.8	10.1	11.0	13.3	17.5	27.9	48.6	86.5	141.8
-32.5°	8.1	8.6	9.8	10.1	10.9	13.1	17.0	27.7	47.8	82.7	134.9
-35°	8.1	8.6	9.8	10.1	10.8	12.8	16.6	27.2	46.3	77.2	125.4
-37.5°	8.1	8.6	9.8	10.1	10.7	12.5	16.3	26.0	44.0	70.1	112.4
-40°	8.1	8.6	9.8	10.1	10.5	12.4	15.8	24.2	40.9	65.4	100.1
-42.5°	8.1	8.6	9.8	10.1	10.5	12.1	15.2	21.7	37.8	59.5	86.9
-45°	8.1	8.6	9.8	10.2	10.5	11.9	14.4	19.6	34.2	52.7	73.8
-47.5°	8.1	8.6	9.8	10.2	10.6	11.7	13.5	18.4	29.7	45.3	65.4
-50°	8.1	8.6	9.8	10.2	10.6	11.4	13.1	17.1	24.0	38.8	56.2
-52.5°	8.1	8.6	9.8	10.3	10.7	11.2	12.8	15.5	20.8	31.9	46.6
-55°	8.1	8.6	9.8	10.3	10.7	11.2	12.4	13.9	18.6	24.6	38.3
-57.5°	8.1	8.6	9.8	10.3	10.8	11.2	12.0	13.5	16.4	21.0	29.6
-60°	8.1	8.5	9.8	10.2	10.8	11.3	11.7	13.1	14.5	18.4	22.6
-62.5°	8.1	8.5	9.7	10.2	10.8	11.3	11.8	12.6	13.9	15.7	19.6
-65°	8.1	8.5	9.6	10.2	10.7	11.4	11.8	12.3	13.4	14.7	16.6
-67.5°	8.1	8.5	9.5	10.2	10.5	11.3	11.9	12.3	12.8	14.0	15.2
-70°	8.1	8.4	9.4	10.1	10.4	11.0	11.9	12.2	12.6	13.4	14.5
-72.5°	8.1	8.4	9.2	9.9	10.3	10.8	11.6	12.1	12.4	12.9	13.8
-75°	8.1	8.3	9.1	9.6	10.1	10.5	11.1	11.7	12.1	12.5	13.0
-77.5°	8.1	8.3	8.9	9.4	9.8	10.2	10.6	11.1	11.5	11.9	12.3
-80°	8.1	8.3	8.8	9.1	9.5	9.8	10.2	10.5	10.8	11.1	11.5
-82.5°	8.1	8.2	8.6	8.9	9.1	9.4	9.6	9.9	10.1	10.4	10.6
-85°	8.1	8.2	8.4	8.6	8.8	9.0	9.1	9.3	9.5	9.6	9.8
-87.5°	8.1	8.1	8.3	8.4	8.4	8.5	8.6	8.7	8.8	8.9	8.9
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.7	8.6	8.4	8.1	8.1	8.1	8.1	8.3	8.4	8.4	8.3
80°	9.4	9.2	8.9	8.7	9.0	9.2	9.5	9.7	9.6	9.2	8.7
77.5°	9.8	9.6	9.6	9.8	10.1	10.1	10.1	10.1	9.7	9.2	8.7
75°	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.5	10.6	10.4	10.3
72.5°	10.1	10.1	10.1	10.1	10.2	10.4	10.9	11.7	12.1	12.0	11.9
70°	10.1	10.1	10.1	10.1	10.2	10.9	11.9	12.9	13.6	13.9	14.7
67.5°	10.1	10.1	10.1	10.2	10.9	12.0	13.1	15.1	17.4	18.5	19.7
65°	10.1	10.1	10.3	11.0	12.0	13.4	15.5	18.2	23.5	26.5	27.8
62.5°	10.1	10.2	10.8	11.8	13.0	14.8	18.8	24.7	32.2	36.6	36.2
60°	10.1	10.3	11.3	12.7	14.2	17.2	22.9	30.7	40.8	48.2	43.5
57.5°	10.1	10.8	12.2	13.9	16.2	18.9	26.2	35.9	46.0	57.1	48.7
55°	10.4	11.5	13.3	15.8	18.1	20.6	27.5	36.1	47.4	53.5	45.4
52.5°	11.2	12.4	15.0	17.4	19.7	21.2	24.4	32.7	38.8	43.2	38.8
50°	11.9	14.0	16.5	18.5	20.0	20.0	19.2	25.5	30.4	31.9	31.5
47.5°	13.0	15.3	17.2	19.0	19.3	18.8	17.0	20.0	23.3	24.9	23.8
45°	14.0	16.1	17.8	18.5	18.8	18.1	17.4	16.6	20.2	21.0	20.0
42.5°	14.9	16.7	18.0	18.2	19.0	19.3	19.3	18.6	19.1	19.6	19.4
40°	15.4	17.2	18.3	19.9	20.2	22.0	23.3	23.0	19.6	21.7	22.1
37.5°	15.8	17.8	19.9	24.0	23.4	26.3	28.4	31.3	28.6	26.8	30.1
35°	16.2	18.6	25.3	30.2	30.4	32.2	39.3	42.7	40.5	38.4	42.3
32.5°	16.9	19.6	32.4	37.6	40.5	43.3	53.2	55.1	57.0	58.0	61.2
30°	18.6	26.1	40.5	45.8	52.1	62.9	68.3	69.9	77.3	87.1	114.0
27.5°	22.4	34.6	48.3	56.5	66.5	85.0	92.0	92.9	105.1	130.8	195.4
25°	27.0	54.9	56.6	68.7	87.3	109.5	123.8	137.7	142.4	219.9	373.9
22.5°	38.0	80.8	90.0	81.8	109.6	138.0	168.6	207.6	266.6	356.0	584.6
20°	57.1	109.3	131.5	137.2	144.1	170.5	220.5	299.1	483.5	801.8	1105.4
17.5°	79.2	142.0	177.9	207.1	239.9	250.5	283.0	408.3	757.1	1437.2	2233.0
15°	103.5	178.2	228.1	285.3	345.9	392.4	460.5	656.2	1218.6	2314.9	3681.4
12.5°	129.2	217.0	281.0	369.9	459.6	542.9	670.6	1089.1	2035.2	3555.8	5628.7
10°	155.6	257.4	335.9	459.0	578.9	699.5	888.4	1584.5	3000.8	4878.2	7402.6
7.5°	184.4	297.0	390.4	550.3	701.2	859.3	1109.7	2117.5	4000.7	6099.7	8939.3
5°	212.7	334.0	438.9	623.5	801.3	998.0	1310.6	2657.9	4992.8	7214.0	10332.5
2.5°	238.8	368.7	485.5	689.9	883.6	1099.4	1421.0	2880.7	5564.0	8036.3	11705.9
0°	261.7	400.6	529.5	750.9	960.3	1193.8	1518.0	3041.9	5957.0	8666.8	13045.5
-2.5°	271.7	412.8	551.3	769.4	957.2	1178.8	1518.5	3095.4	6293.8	9415.7	13722.0
-5°	277.7	421.4	568.8	781.5	949.5	1156.5	1503.8	3071.8	6349.1	9588.8	13454.8
-7.5°	280.3	426.3	581.1	784.1	930.1	1112.3	1436.5	2847.5	5747.3	8794.7	12201.6
-10°	279.6	425.0	576.1	759.6	894.7	1053.5	1346.6	2551.8	5050.5	7898.5	10869.6
-12.5°	274.5	418.2	564.8	732.8	860.3	991.6	1243.3	2187.9	4286.8	6927.1	9594.7
-15°	267.3	408.6	549.7	704.8	828.3	928.0	1127.0	1758.1	3490.9	6055.6	8570.9
-17.5°	258.4	396.5	531.2	676.7	800.3	863.9	1002.7	1328.0	2779.1	5122.1	7540.0
-20°	248.2	382.2	509.2	649.7	774.5	821.7	936.6	1197.4	2197.5	4081.9	6421.0



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	237.0	365.7	486.2	621.3	737.1	799.7	878.7	1059.1	1567.0	2943.0	5212.5
-25°	230.2	348.2	463.9	584.0	699.8	778.7	819.4	926.4	1184.7	2220.7	3937.7
-27.5°	225.7	330.9	433.7	543.8	663.0	752.8	786.3	859.9	1041.3	1471.6	2739.2
-30°	217.7	304.4	401.0	502.7	618.0	711.5	765.2	808.5	918.0	1153.6	1878.8
-32.5°	201.5	276.1	368.1	464.3	568.3	672.1	749.4	791.2	862.0	983.8	1227.4
-35°	182.3	252.7	334.4	423.4	517.0	623.6	714.4	783.4	816.9	900.9	1057.0
-37.5°	164.6	227.7	299.2	382.5	470.3	568.5	674.6	752.3	807.8	846.4	957.8
-40°	145.1	201.0	268.2	342.7	423.2	513.2	611.6	707.7	781.7	845.8	895.3
-42.5°	124.8	177.7	237.6	301.5	377.4	458.9	545.7	641.6	736.8	823.5	890.4
-45°	109.2	152.6	206.1	265.8	330.5	403.8	483.7	567.3	666.7	766.3	853.1
-47.5°	92.7	128.1	176.4	227.8	285.7	350.1	420.2	498.9	582.8	679.1	780.9
-50°	77.0	108.9	144.4	191.6	241.9	297.7	359.7	428.7	504.0	584.0	672.5
-52.5°	65.9	88.7	119.7	155.4	199.9	247.7	301.7	361.1	426.3	494.4	566.2
-55°	53.8	73.3	95.8	125.2	159.4	200.9	246.2	298.0	350.2	410.8	465.8
-57.5°	43.0	58.9	76.7	98.0	125.7	156.0	195.8	237.1	283.9	331.3	371.8
-60°	32.8	45.7	60.7	76.9	94.8	121.0	147.7	182.0	220.0	256.2	291.0
-62.5°	23.5	34.1	46.2	59.4	74.1	89.1	111.0	135.2	159.4	189.9	217.9
-65°	20.2	24.1	33.0	44.1	55.3	69.4	83.2	96.4	116.7	136.5	154.9
-67.5°	16.7	19.9	23.8	29.4	39.5	51.0	62.5	74.8	86.5	96.7	108.1
-70°	15.4	16.0	18.6	22.1	26.6	33.8	44.1	54.3	64.3	74.0	83.1
-72.5°	14.5	15.0	15.5	16.0	19.6	24.5	29.9	35.5	42.6	50.3	58.4
-75°	13.6	14.0	14.5	14.9	16.0	17.9	20.4	24.9	29.4	33.4	37.1
-77.5°	12.7	13.1	13.4	13.8	14.5	15.7	17.2	18.9	21.1	23.5	25.9
-80°	11.8	12.1	12.4	12.7	13.1	13.7	14.5	15.3	16.6	18.3	20.2
-82.5°	10.9	11.1	11.3	11.5	11.7	12.0	12.2	12.6	13.1	13.8	14.7
-85°	9.9	10.1	10.2	10.4	10.5	10.7	10.8	10.9	11.0	11.2	11.3
-87.5°	9.0	9.1	9.2	9.2	9.3	9.4	9.5	9.5	9.6	9.6	9.7
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.1	8.6	9.1	9.6	10.1	11.6	13.1	14.6	16.1	15.6	15.1
87.5°	8.1	7.6	7.1	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0
85°	8.1	7.9	7.8	7.7	7.7	7.3	6.8	6.4	5.9	4.9	4.0
82.5°	8.1	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.0	5.0	4.0
80°	8.2	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.0	5.1	4.1
77.5°	8.4	8.4	8.5	8.4	8.2	7.7	7.1	6.6	6.1	5.1	4.1
75°	10.1	9.9	9.5	9.0	8.3	7.7	7.2	6.6	6.1	5.5	5.0
72.5°	11.8	11.4	10.8	10.4	9.9	9.5	9.1	8.5	7.8	7.3	6.9
70°	15.5	15.9	15.5	14.7	13.5	12.4	11.6	10.7	9.9	9.1	8.2
67.5°	20.9	21.0	19.9	18.3	15.9	13.8	12.7	11.6	10.6	10.0	9.9
65°	27.5	25.1	22.6	19.8	16.8	13.9	12.9	11.8	10.7	10.1	10.1
62.5°	33.4	27.0	21.7	18.4	15.9	13.9	12.5	11.0	9.6	8.7	8.5
60°	35.9	25.6	18.3	16.0	14.0	12.3	10.9	9.7	8.7	8.0	7.5
57.5°	36.0	24.3	15.5	13.5	11.8	10.5	9.8	9.2	8.6	8.0	7.4
55°	32.8	21.6	12.9	11.6	11.0	10.5	9.9	9.3	8.7	8.1	7.5
52.5°	26.7	19.1	13.6	11.8	11.2	10.6	10.0	9.4	8.8	8.2	7.6
50°	23.3	17.5	13.9	11.9	11.4	10.8	10.2	10.0	10.0	9.5	9.1
47.5°	20.1	16.0	13.7	12.2	12.0	12.8	13.4	13.5	13.3	12.8	12.3
45°	17.6	15.4	14.3	14.9	15.5	16.8	17.5	17.6	17.5	17.6	17.5
42.5°	17.5	17.6	18.8	20.8	20.6	23.2	24.5	21.6	24.7	26.5	25.0
40°	23.2	23.7	29.3	33.8	38.0	38.6	45.2	46.1	47.0	49.7	50.3
37.5°	33.9	39.8	57.0	70.0	75.4	75.8	85.4	87.3	84.6	96.1	99.5
35°	51.9	78.8	106.7	122.8	131.8	138.6	151.5	166.3	159.3	184.9	193.8
32.5°	93.2	142.3	193.0	191.1	208.2	254.1	271.2	298.2	326.5	369.6	416.9
30°	156.8	289.5	348.1	326.8	375.1	440.6	441.1	516.4	621.3	710.4	844.7
27.5°	353.2	501.8	578.5	612.8	649.4	732.2	834.8	930.6	1197.6	1380.1	1572.0
25°	599.6	804.9	886.9	1014.3	1129.9	1206.7	1516.9	1743.2	2127.0	2405.5	2693.9
22.5°	966.9	1238.3	1408.2	1523.4	1913.0	2259.3	2590.7	3083.7	3464.7	3942.7	4302.7
20°	1426.7	1793.2	2417.3	2907.1	3151.8	3887.5	4486.8	4996.3	5672.3	6264.9	6791.9
17.5°	2692.2	2898.0	4202.1	5478.2	5994.1	6945.3	8668.4	9318.6	11264.7	12689.8	13459.3
15°	4874.6	5870.4	7243.8	9371.3	11731.4	13595.7	15229.1	18574.0	22287.3	25579.0	29044.8
12.5°	7708.2	9655.6	11967.0	14569.5	18821.8	22196.0	25810.2	30590.4	36589.1	41809.8	47951.7
10°	10546.9	13837.4	17032.5	21087.8	26459.0	31668.8	36874.4	44445.6	53257.1	61717.0	69031.8
7.5°	12894.0	17354.8	21684.9	27291.3	34607.3	41865.9	49141.5	59155.4	70809.1	80464.4	88764.9
5°	15282.9	20869.3	25948.7	32414.5	41025.0	49865.5	58970.5	71456.9	85221.9	96155.0	104719.1
2.5°	17476.5	23806.7	29685.8	36895.6	46484.1	55133.8	65498.1	80826.8	97228.8	109023.4	118464.6
0°	19248.2	25181.1	31462.2	38717.8	49484.4	59018.9	70125.7	86563.4	103725.9	115510.2	124222.3
-2.5°	18866.8	24867.8	30740.5	38112.1	48921.1	57698.9	68943.1	85116.2	102072.7	114045.4	121870.2
-5°	17676.2	22987.6	28260.5	35183.6	44688.7	53242.1	64253.8	80878.2	97143.2	109352.3	118355.9
-7.5°	15915.8	20425.5	25208.0	31516.5	39790.3	47972.3	57550.0	70799.0	85979.8	97023.4	103549.4
-10°	14062.4	17796.2	22275.1	27606.4	34434.8	41783.8	49737.9	60351.2	73323.0	83007.8	89198.9
-12.5°	12437.8	15672.8	19668.5	23611.4	29182.7	35728.0	42790.9	51476.0	60035.5	70248.2	75600.8
-15°	10941.4	13637.9	17071.3	20851.8	25481.5	30625.8	35686.6	42189.4	47763.4	54142.7	58777.6
-17.5°	9689.4	11842.8	14885.0	18548.8	22034.8	26464.5	31294.0	35699.0	40411.5	45016.6	48860.1
-20°	8557.8	10334.6	12928.5	16154.4	19588.9	23355.8	27617.4	31203.0	35053.8	38553.2	41559.4



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7271.9	9073.6	11082.5	13842.5	17282.2	20659.2	23815.0	26524.8	29434.6	32262.3	34396.9
-25°	5933.5	7662.8	9586.1	12190.8	15008.5	17850.1	20085.0	21992.9	24264.2	26301.8	28133.7
-27.5°	4549.7	6393.3	8467.8	10643.3	13094.2	14900.0	16780.8	18506.2	20232.4	21603.4	23150.4
-30°	3163.0	5174.7	7215.0	9274.1	10952.8	12394.3	13797.1	15379.4	16941.2	18244.2	19336.2
-32.5°	2172.1	3623.2	5682.0	7596.9	9031.9	10256.9	11340.3	12689.6	13900.0	14972.4	15927.7
-35°	1304.6	2326.9	3740.6	5560.4	7130.5	8322.4	9426.0	10449.0	11352.5	12255.7	12974.3
-37.5°	1117.6	1344.0	2201.5	3411.6	4905.8	6348.2	7482.0	8439.7	9281.5	9977.1	10586.8
-40°	1006.4	1140.4	1327.8	1740.6	2840.9	3942.5	5179.9	6271.5	7159.4	7812.7	8343.3
-42.5°	940.8	1026.6	1118.4	1265.4	1428.9	1951.8	2898.6	3803.0	4583.3	5307.1	5928.3
-45°	929.6	965.9	1015.3	1098.2	1173.7	1309.2	1457.1	1601.7	2215.6	2797.3	3274.5
-47.5°	859.9	934.1	979.3	1016.6	1056.1	1120.1	1182.6	1249.6	1361.2	1466.0	1556.0
-50°	758.3	838.1	906.5	973.5	1008.6	1034.5	1060.3	1093.6	1137.1	1176.9	1213.5
-52.5°	633.6	710.4	787.2	858.5	914.2	965.4	1011.5	1033.0	1049.4	1064.3	1076.1
-55°	523.0	583.6	644.1	709.2	773.6	834.8	887.8	922.7	954.2	982.0	1005.8
-57.5°	418.6	465.9	515.1	568.1	619.4	668.9	716.0	758.9	797.1	830.3	858.2
-60°	324.3	356.1	397.3	439.3	479.3	517.2	555.4	590.1	621.5	649.1	670.8
-62.5°	243.4	269.8	301.0	330.6	356.9	385.2	420.8	450.7	475.2	495.0	512.4
-65°	174.8	196.9	222.0	246.8	271.2	295.5	320.4	344.4	367.3	385.6	398.6
-67.5°	124.1	139.8	157.4	172.8	191.0	212.2	234.8	255.5	274.3	287.3	295.1
-70°	91.5	100.6	113.4	128.2	143.5	157.6	171.9	186.3	200.4	210.4	217.9
-72.5°	66.7	75.8	85.2	94.7	105.0	115.4	125.9	136.5	147.2	153.7	158.3
-75°	40.4	45.8	54.0	62.0	69.7	76.9	83.7	90.1	96.1	99.2	101.2
-77.5°	29.0	32.8	36.8	41.0	45.2	49.5	53.8	58.0	62.2	64.1	65.5
-80°	22.1	24.2	26.5	28.9	31.4	34.0	36.6	39.3	41.9	42.3	42.4
-82.5°	15.7	17.2	18.8	20.3	21.8	23.3	24.7	26.0	27.3	27.6	27.8
-85°	11.4	12.3	13.3	14.3	15.3	16.4	17.5	18.6	19.7	19.8	19.9
-87.5°	9.7	10.3	10.8	11.4	11.9	12.5	13.1	13.6	14.2	14.1	14.1
-90°	8.1	7.6	7.1	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.6	14.1	14.1	14.1	14.1	14.1	14.6	15.1	15.6	16.1	14.6
87.5°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.0	3.5	4.0	4.5
85°	3.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	4.9	5.9	6.4
82.5°	3.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	5.0	6.0	6.6
80°	3.0	2.0	2.0	2.0	2.0	2.0	3.0	4.1	5.1	6.0	6.6
77.5°	3.1	2.0	2.0	2.0	2.0	2.0	3.1	4.1	5.1	6.1	6.6
75°	4.5	4.0	3.0	2.0	3.0	4.0	4.5	5.0	5.5	6.1	6.6
72.5°	6.5	6.0	6.0	6.0	6.0	6.0	6.5	6.9	7.3	7.8	8.5
70°	7.2	6.1	6.0	6.0	6.0	6.1	7.2	8.2	9.1	9.9	10.7
67.5°	9.9	10.0	9.2	8.1	9.2	10.0	9.9	9.9	10.0	10.6	11.6
65°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.7	11.8
62.5°	8.3	8.2	8.1	8.1	8.1	8.2	8.3	8.5	8.7	9.6	11.0
60°	6.9	6.3	6.0	6.0	6.0	6.3	6.9	7.5	8.0	8.7	9.7
57.5°	6.8	6.2	6.0	6.0	6.0	6.2	6.8	7.4	8.0	8.6	9.2
55°	6.9	6.2	6.0	6.0	6.0	6.2	6.9	7.5	8.1	8.7	9.3
52.5°	6.9	6.3	6.8	8.1	6.8	6.3	6.9	7.6	8.2	8.8	9.4
50°	8.7	8.3	8.1	8.1	8.1	8.3	8.7	9.1	9.5	10.0	10.0
47.5°	11.6	10.6	10.1	10.1	10.1	10.6	11.6	12.3	12.8	13.3	13.5
45°	16.4	14.9	14.0	14.1	14.0	14.9	16.4	17.5	17.6	17.5	17.6
42.5°	24.7	24.2	24.0	24.2	24.0	24.2	24.7	25.0	26.5	24.7	21.6
40°	53.0	53.8	53.6	54.4	53.6	53.8	53.0	50.3	49.7	47.0	46.1
37.5°	99.9	96.6	91.5	92.6	91.5	96.6	99.9	99.5	96.1	84.6	87.3
35°	194.9	199.9	199.6	201.3	199.6	199.9	194.9	193.8	184.9	159.3	166.3
32.5°	451.1	475.0	475.6	485.2	475.6	475.0	451.1	416.9	369.6	326.5	298.2
30°	886.2	905.2	876.5	889.8	876.5	905.2	886.2	844.7	710.4	621.3	516.4
27.5°	1671.7	1742.2	1741.4	1711.2	1741.4	1742.2	1671.7	1572.0	1380.1	1197.6	930.6
25°	2936.4	3045.2	3025.1	2989.6	3025.1	3045.2	2936.4	2693.9	2405.5	2127.0	1743.2
22.5°	4629.7	4809.5	4953.5	4859.9	4953.5	4809.5	4629.7	4302.7	3942.7	3464.7	3083.7
20°	7567.3	7618.6	7771.5	7716.6	7771.5	7618.6	7567.3	6791.9	6264.9	5672.3	4996.3
17.5°	15544.4	16102.1	15714.1	14533.3	15714.1	16102.1	15544.4	13459.3	12689.8	11264.7	9318.6
15°	31479.1	33816.4	35631.3	34635.0	35631.3	33816.4	31479.1	29044.8	25579.0	22287.3	18574.0
12.5°	51551.1	53275.8	54429.6	54514.4	54429.6	53275.8	51551.1	47951.7	41809.8	36589.1	30590.4
10°	73992.1	75516.0	77557.4	77844.3	77557.4	75516.0	73992.1	69031.8	61717.0	53257.1	44445.6
7.5°	92884.4	95974.7	97405.5	97213.3	97405.5	95974.7	92884.4	88764.9	80464.4	70809.1	59155.4
5°	109780.3	112982.0	114384.3	114617.3	114384.3	112982.0	109780.3	104719.1	96155.0	85221.9	71456.9
2.5°	124119.8	127352.1	129037.0	128574.9	129037.0	127352.1	124119.8	118464.6	109023.4	97228.8	80826.8
0°	128759.0	131304.7	132717.0	132329.5	132717.0	131304.7	128759.0	124222.3	115510.2	103725.9	86563.4
-2.5°	125809.8	127343.8	128408.2	127997.0	128408.2	127343.8	125809.8	121870.2	114045.4	102072.7	85116.2
-5°	122541.5	124361.7	124759.9	125247.0	124759.9	124361.7	122541.5	118355.9	109352.3	97143.2	80878.2
-7.5°	106031.8	107979.0	108622.0	109596.4	108622.0	107979.0	106031.8	103549.4	97023.4	85979.8	70799.0
-10°	92567.9	94751.7	94856.9	95457.7	94856.9	94751.7	92567.9	89198.9	83007.8	73323.0	60351.2
-12.5°	81289.9	84295.1	85292.2	85053.6	85292.2	84295.1	81289.9	75600.8	70248.2	60035.5	51476.0
-15°	64948.2	67515.3	67698.5	67818.6	67698.5	67515.3	64948.2	58777.6	54142.7	47763.4	42189.4
-17.5°	52938.6	55433.2	56394.9	56693.6	56394.9	55433.2	52938.6	48860.1	45016.6	40411.5	35699.0
-20°	44140.0	45997.2	47171.8	47658.4	47171.8	45997.2	44140.0	41559.4	38553.2	35053.8	31203.0



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	36262.8	37440.0	37869.4	37976.9	37869.4	37440.0	36262.8	34396.9	32262.3	29434.6	26524.8
-25°	29420.5	30355.6	30899.2	31126.0	30899.2	30355.6	29420.5	28133.7	26301.8	24264.2	21992.9
-27.5°	24153.8	24986.0	25509.3	25589.7	25509.3	24986.0	24153.8	23150.4	21603.4	20232.4	18506.2
-30°	20172.1	20903.0	21391.9	21525.1	21391.9	20903.0	20172.1	19336.2	18244.2	16941.2	15379.4
-32.5°	16714.7	17340.2	17723.9	17889.3	17723.9	17340.2	16714.7	15927.7	14972.4	13900.0	12689.6
-35°	13510.8	13931.2	14177.0	14096.4	14177.0	13931.2	13510.8	12974.3	12255.7	11352.5	10449.0
-37.5°	11075.8	11414.1	11598.2	11608.1	11598.2	11414.1	11075.8	10586.8	9977.1	9281.5	8439.7
-40°	8782.9	9126.5	9333.6	9345.3	9333.6	9126.5	8782.9	8343.3	7812.7	7159.4	6271.5
-42.5°	6422.4	6774.2	7014.5	7171.0	7014.5	6774.2	6422.4	5928.3	5307.1	4583.3	3803.0
-45°	3672.7	3976.6	4208.4	4376.7	4208.4	3976.6	3672.7	3274.5	2797.3	2215.6	1601.7
-47.5°	1623.2	1672.4	1693.9	1687.1	1693.9	1672.4	1623.2	1556.0	1466.0	1361.2	1249.6
-50°	1247.0	1276.2	1290.8	1290.5	1290.8	1276.2	1247.0	1213.5	1176.9	1137.1	1093.6
-52.5°	1085.4	1092.7	1097.1	1099.2	1097.1	1092.7	1085.4	1076.1	1064.3	1049.4	1033.0
-55°	1025.4	1040.8	1046.5	1044.8	1046.5	1040.8	1025.4	1005.8	982.0	954.2	922.7
-57.5°	881.9	900.9	913.5	920.0	913.5	900.9	881.9	858.2	830.3	797.1	758.9
-60°	687.1	698.4	705.4	708.6	705.4	698.4	687.1	670.8	649.1	621.5	590.1
-62.5°	527.7	540.6	547.1	549.6	547.1	540.6	527.7	512.4	495.0	475.2	450.7
-65°	409.9	419.4	424.5	426.8	424.5	419.4	409.9	398.6	385.6	367.3	344.4
-67.5°	301.0	305.2	307.3	308.0	307.3	305.2	301.0	295.1	287.3	274.3	255.5
-70°	224.8	231.0	234.9	237.6	234.9	231.0	224.8	217.9	210.4	200.4	186.3
-72.5°	162.2	165.3	167.6	169.1	167.6	165.3	162.2	158.3	153.7	147.2	136.5
-75°	102.8	103.9	104.5	104.7	104.5	103.9	102.8	101.2	99.2	96.1	90.1
-77.5°	66.8	67.9	69.3	70.5	69.3	67.9	66.8	65.5	64.1	62.2	58.0
-80°	42.3	42.1	42.2	42.3	42.2	42.1	42.3	42.4	42.3	41.9	39.3
-82.5°	28.0	28.1	28.2	28.2	28.2	28.1	28.0	27.8	27.6	27.3	26.0
-85°	20.0	20.1	20.1	20.1	20.1	20.1	20.0	19.9	19.8	19.7	18.6
-87.5°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	13.6
-90°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.0	3.5	4.0	4.5



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.1	11.6	10.1	9.6	9.1	8.6	8.1	8.1	8.1	8.1	8.1
87.5°	5.0	5.5	6.0	6.5	7.1	7.6	8.1	8.1	8.1	8.1	8.1
85°	6.8	7.3	7.7	7.7	7.8	7.9	8.1	8.1	8.1	8.1	8.1
82.5°	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.3	8.4	8.4	8.3
80°	7.1	7.6	8.1	8.1	8.1	8.1	8.2	8.7	9.2	9.6	9.7
77.5°	7.1	7.7	8.2	8.4	8.5	8.4	8.4	8.7	9.2	9.7	10.1
75°	7.2	7.7	8.3	9.0	9.5	9.9	10.1	10.3	10.4	10.6	10.5
72.5°	9.1	9.5	9.9	10.4	10.8	11.4	11.8	11.9	12.0	12.1	11.7
70°	11.6	12.4	13.5	14.7	15.5	15.9	15.5	14.7	13.9	13.6	12.9
67.5°	12.7	13.8	15.9	18.3	19.9	21.0	20.9	19.7	18.5	17.4	15.1
65°	12.9	13.9	16.8	19.8	22.6	25.1	27.5	27.8	26.5	23.5	18.2
62.5°	12.5	13.9	15.9	18.4	21.7	27.0	33.4	36.2	36.6	32.2	24.7
60°	10.9	12.3	14.0	16.0	18.3	25.6	35.9	43.5	48.2	40.8	30.7
57.5°	9.8	10.5	11.8	13.5	15.5	24.3	36.0	48.7	57.1	46.0	35.9
55°	9.9	10.5	11.0	11.6	12.9	21.6	32.8	45.4	53.5	47.4	36.1
52.5°	10.0	10.6	11.2	11.8	13.6	19.1	26.7	38.8	43.2	38.8	32.7
50°	10.2	10.8	11.4	11.9	13.9	17.5	23.3	31.5	31.9	30.4	25.5
47.5°	13.4	12.8	12.0	12.2	13.7	16.0	20.1	23.8	24.9	23.3	20.0
45°	17.5	16.8	15.5	14.9	14.3	15.4	17.6	20.0	21.0	20.2	16.6
42.5°	24.5	23.2	20.6	20.8	18.8	17.6	17.5	19.4	19.6	19.1	18.6
40°	45.2	38.6	38.0	33.8	29.3	23.7	23.2	22.1	21.7	19.6	23.0
37.5°	85.4	75.8	75.4	70.0	57.0	39.8	33.9	30.1	26.8	28.6	31.3
35°	151.5	138.6	131.8	122.8	106.7	78.8	51.9	42.3	38.4	40.5	42.7
32.5°	271.2	254.1	208.2	191.1	193.0	142.3	93.2	61.2	58.0	57.0	55.1
30°	441.1	440.6	375.1	326.8	348.1	289.5	156.8	114.0	87.1	77.3	69.9
27.5°	834.8	732.2	649.4	612.8	578.5	501.8	353.2	195.4	130.8	105.1	92.9
25°	1516.9	1206.7	1129.9	1014.3	886.9	804.9	599.6	373.9	219.9	142.4	137.7
22.5°	2590.7	2259.3	1913.0	1523.4	1408.2	1238.3	966.9	584.6	356.0	266.6	207.6
20°	4486.8	3887.5	3151.8	2907.1	2417.3	1793.2	1426.7	1105.4	801.8	483.5	299.1
17.5°	8668.4	6945.3	5994.1	5478.2	4202.1	2898.0	2692.2	2233.0	1437.2	757.1	408.3
15°	15229.1	13595.7	11731.4	9371.3	7243.8	5870.4	4874.6	3681.4	2314.9	1218.6	656.2
12.5°	25810.2	22196.0	18821.8	14569.5	11967.0	9655.6	7708.2	5628.7	3555.8	2035.2	1089.1
10°	36874.4	31668.8	26459.0	21087.8	17032.5	13837.4	10546.9	7402.6	4878.2	3000.8	1584.5
7.5°	49141.5	41865.9	34607.3	27291.3	21684.9	17354.8	12894.0	8939.3	6099.7	4000.7	2117.5
5°	58970.5	49865.5	41025.0	32414.5	25948.7	20869.3	15282.9	10332.5	7214.0	4992.8	2657.9
2.5°	65498.1	55133.8	46484.1	36895.6	29685.8	23806.7	17476.5	11705.9	8036.3	5564.0	2880.7
0°	70125.7	59018.9	49484.4	38717.8	31462.2	25181.1	19248.2	13045.5	8666.8	5957.0	3041.9
-2.5°	68943.1	57698.9	48921.1	38112.1	30740.5	24867.8	18866.8	13722.0	9415.7	6293.8	3095.4
-5°	64253.8	53242.1	44688.7	35183.6	28260.5	22987.6	17676.2	13454.8	9588.8	6349.1	3071.8
-7.5°	57550.0	47972.3	39790.3	31516.5	25208.0	20425.5	15915.8	12201.6	8794.7	5747.3	2847.5
-10°	49737.9	41783.8	34434.8	27606.4	22275.1	17796.2	14062.4	10869.6	7898.5	5050.5	2551.8
-12.5°	42790.9	35728.0	29182.7	23611.4	19668.5	15672.8	12437.8	9594.7	6927.1	4286.8	2187.9
-15°	35686.6	30625.8	25481.5	20851.8	17071.3	13637.9	10941.4	8570.9	6055.6	3490.9	1758.1
-17.5°	31294.0	26464.5	22034.8	18548.8	14885.0	11842.8	9689.4	7540.0	5122.1	2779.1	1328.0
-20°	27617.4	23355.8	19588.9	16154.4	12928.5	10334.6	8557.8	6421.0	4081.9	2197.5	1197.4



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23815.0	20659.2	17282.2	13842.5	11082.5	9073.6	7271.9	5212.5	2943.0	1567.0	1059.1
-25°	20085.0	17850.1	15008.5	12190.8	9586.1	7662.8	5933.5	3937.7	2220.7	1184.7	926.4
-27.5°	16780.8	14900.0	13094.2	10643.3	8467.8	6393.3	4549.7	2739.2	1471.6	1041.3	859.9
-30°	13797.1	12394.3	10952.8	9274.1	7215.0	5174.7	3163.0	1878.8	1153.6	918.0	808.5
-32.5°	11340.3	10256.9	9031.9	7596.9	5682.0	3623.2	2172.1	1227.4	983.8	862.0	791.2
-35°	9426.0	8322.4	7130.5	5560.4	3740.6	2326.9	1304.6	1057.0	900.9	816.9	783.4
-37.5°	7482.0	6348.2	4905.8	3411.6	2201.5	1344.0	1117.6	957.8	846.4	807.8	752.3
-40°	5179.9	3942.5	2840.9	1740.6	1327.8	1140.4	1006.4	895.3	845.8	781.7	707.7
-42.5°	2898.6	1951.8	1428.9	1265.4	1118.4	1026.6	940.8	890.4	823.5	736.8	641.6
-45°	1457.1	1309.2	1173.7	1098.2	1015.3	965.9	929.6	853.1	766.3	666.7	567.3
-47.5°	1182.6	1120.1	1056.1	1016.6	979.3	934.1	859.9	780.9	679.1	582.8	498.9
-50°	1060.3	1034.5	1008.6	973.5	906.5	838.1	758.3	672.5	584.0	504.0	428.7
-52.5°	1011.5	965.4	914.2	858.5	787.2	710.4	633.6	566.2	494.4	426.3	361.1
-55°	887.8	834.8	773.6	709.2	644.1	583.6	523.0	465.8	410.8	350.2	298.0
-57.5°	716.0	668.9	619.4	568.1	515.1	465.9	418.6	371.8	331.3	283.9	237.1
-60°	555.4	517.2	479.3	439.3	397.3	356.1	324.3	291.0	256.2	220.0	182.0
-62.5°	420.8	385.2	356.9	330.6	301.0	269.8	243.4	217.9	189.9	159.4	135.2
-65°	320.4	295.5	271.2	246.8	222.0	196.9	174.8	154.9	136.5	116.7	96.4
-67.5°	234.8	212.2	191.0	172.8	157.4	139.8	124.1	108.1	96.7	86.5	74.8
-70°	171.9	157.6	143.5	128.2	113.4	100.6	91.5	83.1	74.0	64.3	54.3
-72.5°	125.9	115.4	105.0	94.7	85.2	75.8	66.7	58.4	50.3	42.6	35.5
-75°	83.7	76.9	69.7	62.0	54.0	45.8	40.4	37.1	33.4	29.4	24.9
-77.5°	53.8	49.5	45.2	41.0	36.8	32.8	29.0	25.9	23.5	21.1	18.9
-80°	36.6	34.0	31.4	28.9	26.5	24.2	22.1	20.2	18.3	16.6	15.3
-82.5°	24.7	23.3	21.8	20.3	18.8	17.2	15.7	14.7	13.8	13.1	12.6
-85°	17.5	16.4	15.3	14.3	13.3	12.3	11.4	11.3	11.2	11.0	10.9
-87.5°	13.1	12.5	11.9	11.4	10.8	10.3	9.7	9.7	9.6	9.6	9.5
-90°	5.0	5.5	6.0	6.5	7.1	7.6	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.3	8.4	8.6
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.5	8.8	9.0
82.5°	8.1	8.1	8.1	8.1	8.4	8.6	8.7	8.7	8.8	9.2	9.5
80°	9.5	9.2	9.0	8.7	8.9	9.2	9.4	9.5	9.4	9.5	9.7
77.5°	10.1	10.1	10.1	9.8	9.6	9.6	9.8	10.1	10.0	9.8	9.9
75°	10.1	10.1	10.1	10.1	10.1	10.1	10.0	10.1	10.1	10.1	10.0
72.5°	10.9	10.4	10.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
70°	11.9	10.9	10.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
67.5°	13.1	12.0	10.9	10.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1
65°	15.5	13.4	12.0	11.0	10.3	10.1	10.1	10.1	10.1	10.1	10.1
62.5°	18.8	14.8	13.0	11.8	10.8	10.2	10.1	10.1	10.1	10.1	10.1
60°	22.9	17.2	14.2	12.7	11.3	10.3	10.1	10.1	10.1	10.1	10.1
57.5°	26.2	18.9	16.2	13.9	12.2	10.8	10.1	10.1	10.1	10.1	10.1
55°	27.5	20.6	18.1	15.8	13.3	11.5	10.4	10.1	10.1	10.1	10.1
52.5°	24.4	21.2	19.7	17.4	15.0	12.4	11.2	10.1	10.1	10.1	10.1
50°	19.2	20.0	20.0	18.5	16.5	14.0	11.9	10.7	10.1	10.1	10.2
47.5°	17.0	18.8	19.3	19.0	17.2	15.3	13.0	11.4	10.1	10.1	10.4
45°	17.4	18.1	18.8	18.5	17.8	16.1	14.0	12.0	10.7	10.3	10.5
42.5°	19.3	19.3	19.0	18.2	18.0	16.7	14.9	12.8	11.2	10.5	10.8
40°	23.3	22.0	20.2	19.9	18.3	17.2	15.4	13.4	11.8	11.0	11.0
37.5°	28.4	26.3	23.4	24.0	19.9	17.8	15.8	13.9	12.6	11.7	11.4
35°	39.3	32.2	30.4	30.2	25.3	18.6	16.2	14.3	13.5	12.4	11.7
32.5°	53.2	43.3	40.5	37.6	32.4	19.6	16.9	15.6	14.4	13.1	12.1
30°	68.3	62.9	52.1	45.8	40.5	26.1	18.6	17.1	15.4	13.8	12.6
27.5°	92.0	85.0	66.5	56.5	48.3	34.6	22.4	18.8	16.4	14.5	13.2
25°	123.8	109.5	87.3	68.7	56.6	54.9	27.0	20.9	17.7	15.3	13.7
22.5°	168.6	138.0	109.6	81.8	90.0	80.8	38.0	24.5	19.3	16.2	14.3
20°	220.5	170.5	144.1	137.2	131.5	109.3	57.1	28.6	20.9	17.0	14.8
17.5°	283.0	250.5	239.9	207.1	177.9	142.0	79.2	33.1	22.7	17.9	15.3
15°	460.5	392.4	345.9	285.3	228.1	178.2	103.5	37.8	24.5	18.8	15.6
12.5°	670.6	542.9	459.6	369.9	281.0	217.0	129.2	42.8	26.2	19.5	15.8
10°	888.4	699.5	578.9	459.0	335.9	257.4	155.6	48.2	28.6	20.1	15.9
7.5°	1109.7	859.3	701.2	550.3	390.4	297.0	184.4	54.7	31.1	20.7	16.0
5°	1310.6	998.0	801.3	623.5	438.9	334.0	212.7	61.0	33.7	21.2	16.0
2.5°	1421.0	1099.4	883.6	689.9	485.5	368.7	238.8	67.0	36.1	21.7	16.1
0°	1518.0	1193.8	960.3	750.9	529.5	400.6	261.7	72.5	38.3	22.1	16.1
-2.5°	1518.5	1178.8	957.2	769.4	551.3	412.8	271.7	88.5	48.1	27.5	18.0
-5°	1503.8	1156.5	949.5	781.5	568.8	421.4	277.7	103.5	57.4	32.7	19.8
-7.5°	1436.5	1112.3	930.1	784.1	581.1	426.3	280.3	117.0	66.0	37.4	21.4
-10°	1346.6	1053.5	894.7	759.6	576.1	425.0	279.6	128.8	73.6	41.5	22.8
-12.5°	1243.3	991.6	860.3	732.8	564.8	418.2	274.5	137.9	80.0	44.9	23.9
-15°	1127.0	928.0	828.3	704.8	549.7	408.6	267.3	144.7	85.4	47.7	24.6
-17.5°	1002.7	863.9	800.3	676.7	531.2	396.5	258.4	149.2	89.3	50.1	25.7
-20°	936.6	821.7	774.5	649.7	509.2	382.2	248.2	151.3	91.7	51.6	27.1



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	878.7	799.7	737.1	621.3	486.2	365.7	237.0	150.9	92.2	52.1	28.1
-25°	819.4	778.7	699.8	584.0	463.9	348.2	230.2	147.9	91.0	51.4	28.5
-27.5°	786.3	752.8	663.0	543.8	433.7	330.9	225.7	146.0	88.7	49.7	28.5
-30°	765.2	711.5	618.0	502.7	401.0	304.4	217.7	141.8	86.5	48.6	27.9
-32.5°	749.4	672.1	568.3	464.3	368.1	276.1	201.5	134.9	82.7	47.8	27.7
-35°	714.4	623.6	517.0	423.4	334.4	252.7	182.3	125.4	77.2	46.3	27.2
-37.5°	674.6	568.5	470.3	382.5	299.2	227.7	164.6	112.4	70.1	44.0	26.0
-40°	611.6	513.2	423.2	342.7	268.2	201.0	145.1	100.1	65.4	40.9	24.2
-42.5°	545.7	458.9	377.4	301.5	237.6	177.7	124.8	86.9	59.5	37.8	21.7
-45°	483.7	403.8	330.5	265.8	206.1	152.6	109.2	73.8	52.7	34.2	19.6
-47.5°	420.2	350.1	285.7	227.8	176.4	128.1	92.7	65.4	45.3	29.7	18.4
-50°	359.7	297.7	241.9	191.6	144.4	108.9	77.0	56.2	38.8	24.0	17.1
-52.5°	301.7	247.7	199.9	155.4	119.7	88.7	65.9	46.6	31.9	20.8	15.5
-55°	246.2	200.9	159.4	125.2	95.8	73.3	53.8	38.3	24.6	18.6	13.9
-57.5°	195.8	156.0	125.7	98.0	76.7	58.9	43.0	29.6	21.0	16.4	13.5
-60°	147.7	121.0	94.8	76.9	60.7	45.7	32.8	22.6	18.4	14.5	13.1
-62.5°	111.0	89.1	74.1	59.4	46.2	34.1	23.5	19.6	15.7	13.9	12.6
-65°	83.2	69.4	55.3	44.1	33.0	24.1	20.2	16.6	14.7	13.4	12.3
-67.5°	62.5	51.0	39.5	29.4	23.8	19.9	16.7	15.2	14.0	12.8	12.3
-70°	44.1	33.8	26.6	22.1	18.6	16.0	15.4	14.5	13.4	12.6	12.2
-72.5°	29.9	24.5	19.6	16.0	15.5	15.0	14.5	13.8	12.9	12.4	12.1
-75°	20.4	17.9	16.0	14.9	14.5	14.0	13.6	13.0	12.5	12.1	11.7
-77.5°	17.2	15.7	14.5	13.8	13.4	13.1	12.7	12.3	11.9	11.5	11.1
-80°	14.5	13.7	13.1	12.7	12.4	12.1	11.8	11.5	11.1	10.8	10.5
-82.5°	12.2	12.0	11.7	11.5	11.3	11.1	10.9	10.6	10.4	10.1	9.9
-85°	10.8	10.7	10.5	10.4	10.2	10.1	9.9	9.8	9.6	9.5	9.3
-87.5°	9.5	9.4	9.3	9.2	9.2	9.1	9.0	8.9	8.9	8.8	8.7
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.6	8.5	8.4	8.4	8.3	8.1	8.1
85°	9.1	9.0	8.8	8.6	8.4	8.2	8.1
82.5°	9.6	9.4	9.1	8.9	8.6	8.2	8.1
80°	10.1	9.8	9.5	9.1	8.8	8.3	8.1
77.5°	10.1	10.1	9.8	9.4	8.9	8.3	8.1
75°	10.1	10.1	10.1	9.6	9.1	8.3	8.1
72.5°	10.1	10.1	10.1	9.9	9.2	8.4	8.1
70°	10.1	10.1	10.1	10.1	9.4	8.4	8.1
67.5°	10.1	10.1	10.1	10.1	9.5	8.5	8.1
65°	10.1	10.1	10.1	10.1	9.6	8.5	8.1
62.5°	10.1	10.1	10.1	10.1	9.7	8.5	8.1
60°	10.1	10.1	10.1	10.1	9.8	8.5	8.1
57.5°	10.1	10.1	10.1	10.1	9.8	8.6	8.1
55°	10.1	10.1	10.1	10.1	9.8	8.6	8.1
52.5°	10.1	10.1	10.1	10.1	9.8	8.6	8.1
50°	10.1	10.1	10.1	10.1	9.8	8.6	8.1
47.5°	10.1	10.1	10.1	10.1	9.8	8.6	8.1
45°	10.3	10.1	10.1	10.1	9.8	8.6	8.1
42.5°	10.5	10.1	10.1	10.1	9.8	8.6	8.1
40°	10.7	10.1	10.1	10.1	9.8	8.6	8.1
37.5°	10.9	10.1	10.1	10.1	9.8	8.6	8.1
35°	11.2	10.2	10.1	10.1	9.8	8.6	8.1
32.5°	11.5	10.4	10.1	10.1	9.8	8.6	8.1
30°	11.8	10.7	10.1	10.1	9.8	8.5	8.1
27.5°	12.2	10.9	10.1	10.1	9.9	8.5	8.1
25°	12.5	11.1	10.1	10.1	9.9	8.5	8.1
22.5°	12.9	11.3	10.1	10.1	9.9	8.5	8.1
20°	13.3	11.5	10.1	10.1	9.9	8.4	8.1
17.5°	13.5	11.6	10.1	10.1	10.0	8.4	8.1
15°	13.7	11.8	10.1	10.1	10.0	8.4	8.1
12.5°	13.8	11.9	10.1	10.1	10.0	8.3	8.1
10°	13.9	11.9	10.1	10.1	10.0	8.3	8.1
7.5°	14.0	12.0	10.1	10.1	10.1	8.2	8.1
5°	14.1	12.1	10.1	10.1	10.1	8.2	8.1
2.5°	14.1	12.1	10.1	10.1	10.1	8.1	8.1
0°	14.1	12.1	10.1	10.1	10.1	8.1	8.1
-2.5°	14.4	12.3	10.3	10.1	10.1	8.1	8.1
-5°	14.6	12.5	10.4	10.1	10.1	8.2	8.1
-7.5°	14.8	12.7	10.6	10.1	10.1	8.2	8.1
-10°	15.0	12.8	10.8	10.1	10.0	8.3	8.1
-12.5°	15.1	13.0	10.9	10.1	10.0	8.3	8.1
-15°	15.3	13.1	11.0	10.1	10.0	8.4	8.1
-17.5°	15.4	13.2	11.1	10.1	10.0	8.4	8.1
-20°	15.9	13.2	11.1	10.1	9.9	8.4	8.1



REPORT NUMBER: P731636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.8	13.3	11.2	10.1	9.9	8.5	8.1
-25°	17.4	13.3	11.2	10.1	9.9	8.5	8.1
-27.5°	17.6	13.3	11.1	10.1	9.9	8.5	8.1
-30°	17.5	13.3	11.0	10.1	9.8	8.5	8.1
-32.5°	17.0	13.1	10.9	10.1	9.8	8.6	8.1
-35°	16.6	12.8	10.8	10.1	9.8	8.6	8.1
-37.5°	16.3	12.5	10.7	10.1	9.8	8.6	8.1
-40°	15.8	12.4	10.5	10.1	9.8	8.6	8.1
-42.5°	15.2	12.1	10.5	10.1	9.8	8.6	8.1
-45°	14.4	11.9	10.5	10.2	9.8	8.6	8.1
-47.5°	13.5	11.7	10.6	10.2	9.8	8.6	8.1
-50°	13.1	11.4	10.6	10.2	9.8	8.6	8.1
-52.5°	12.8	11.2	10.7	10.3	9.8	8.6	8.1
-55°	12.4	11.2	10.7	10.3	9.8	8.6	8.1
-57.5°	12.0	11.2	10.8	10.3	9.8	8.6	8.1
-60°	11.7	11.3	10.8	10.2	9.8	8.5	8.1
-62.5°	11.8	11.3	10.8	10.2	9.7	8.5	8.1
-65°	11.8	11.4	10.7	10.2	9.6	8.5	8.1
-67.5°	11.9	11.3	10.5	10.2	9.5	8.5	8.1
-70°	11.9	11.0	10.4	10.1	9.4	8.4	8.1
-72.5°	11.6	10.8	10.3	9.9	9.2	8.4	8.1
-75°	11.1	10.5	10.1	9.6	9.1	8.3	8.1
-77.5°	10.6	10.2	9.8	9.4	8.9	8.3	8.1
-80°	10.2	9.8	9.5	9.1	8.8	8.3	8.1
-82.5°	9.6	9.4	9.1	8.9	8.6	8.2	8.1
-85°	9.1	9.0	8.8	8.6	8.4	8.2	8.1
-87.5°	8.6	8.5	8.4	8.4	8.3	8.1	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(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

