

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: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-2S-VHE**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0530N-57-70-2S-VHE
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

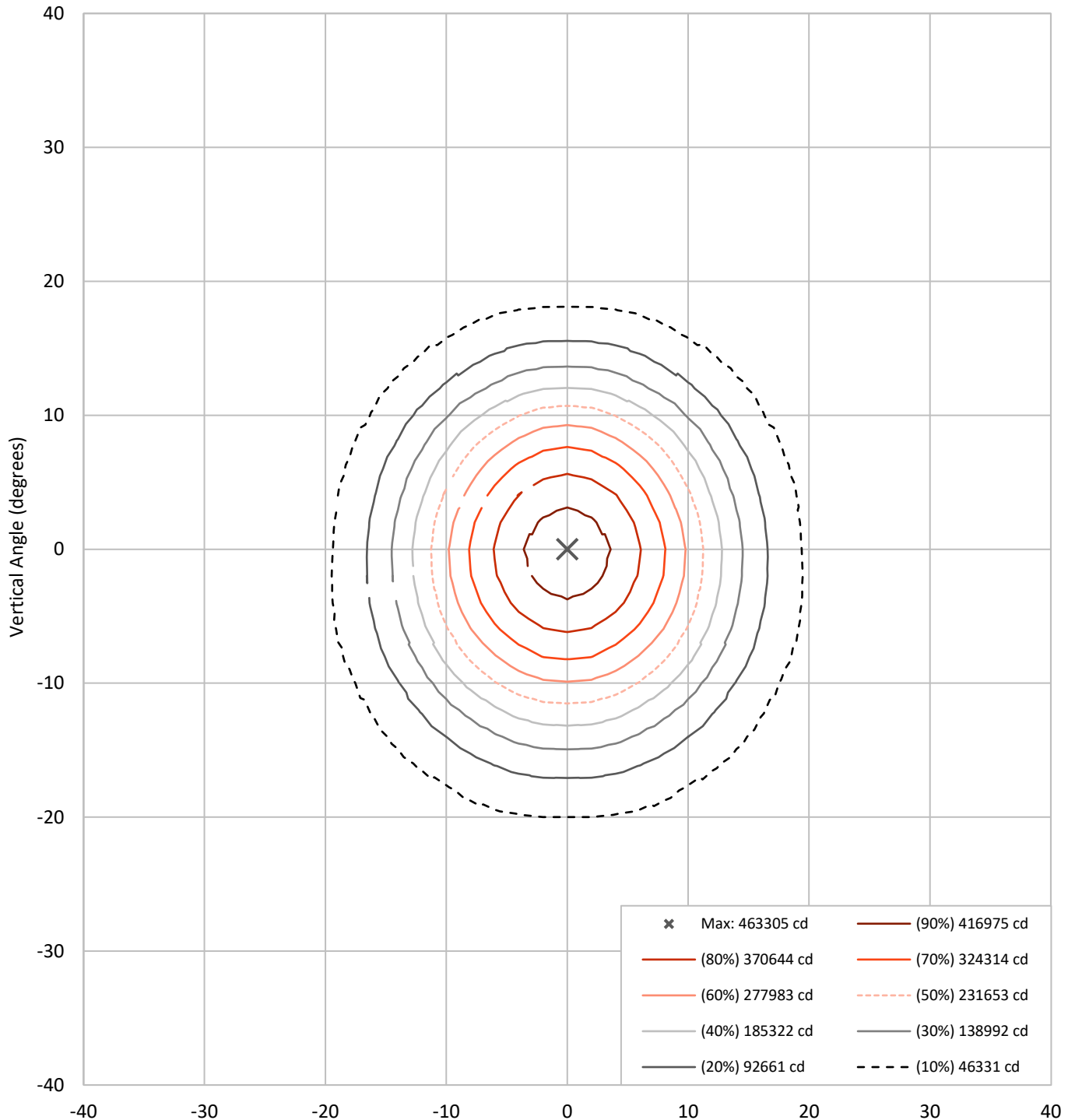
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	80978.8 lumens	Max Intensity:	463305 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	144.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22.5°H x 22.2°V	Field Angle (10%):	38.8°H x 38.1°V
Beam Lumens:	37840.1 lumens	Field Lumens:	67411.3 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%

Input Watts (W): 561.4
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: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

Iso-Candela Plot





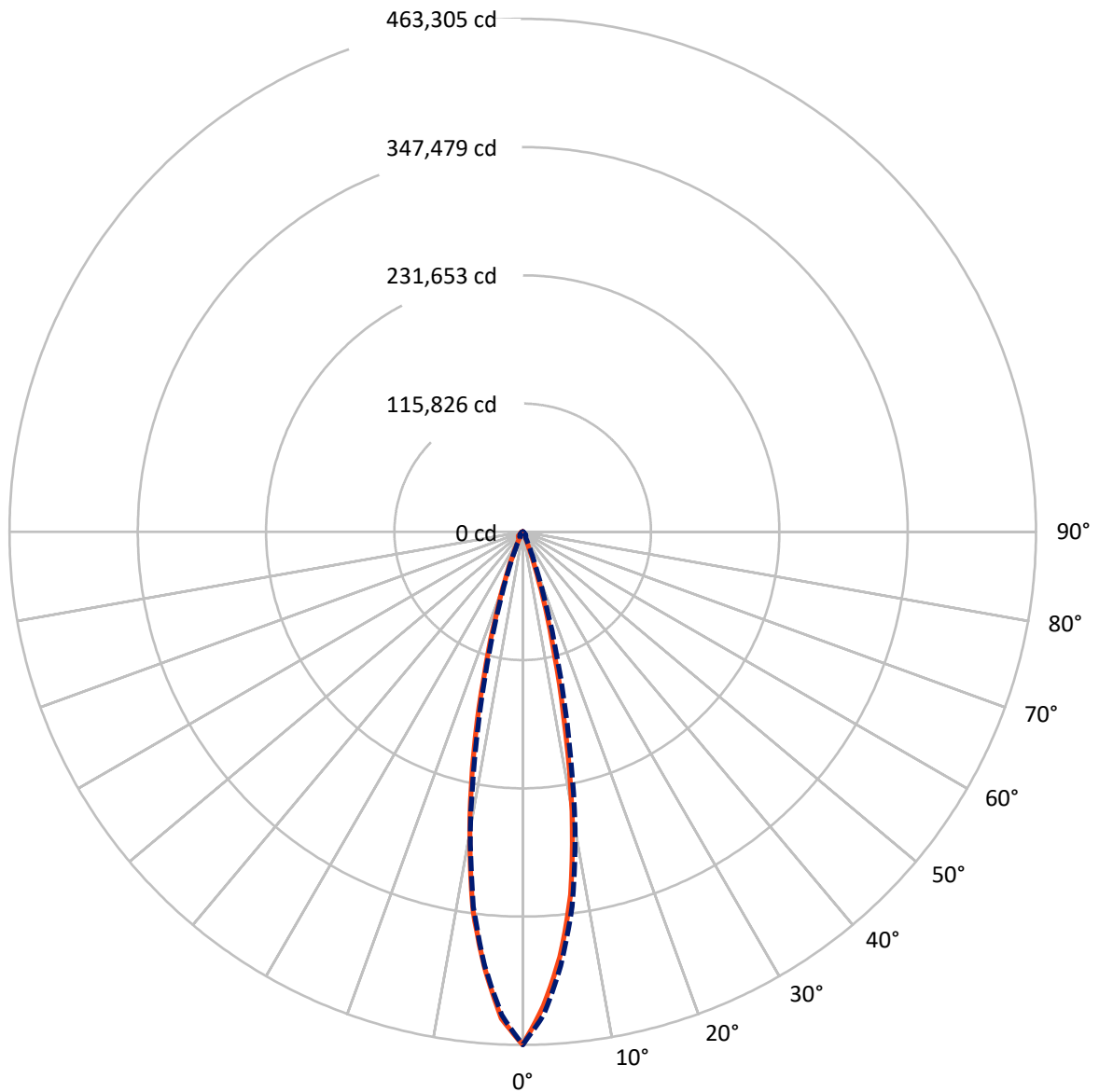
REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

Lumen Table

90	0.2	0.7	1.2	1.7	2.1	1.7	1.2	0.7	0.2									
80	0.2	0.7	1.2	1.7	2.1	1.7	1.2	0.7	0.2									
70	0.2	0.1	0.2	0.6	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.6	0.2	0.1	0.2		
60		0.3	0.7	0.9	0.8	0.7	0.8	0.9	0.9	0.8	0.7	0.8	0.9	0.7	0.3			
50	0.6	1.0	2.4	4.8	8.5	13.9	21.4	25.2	25.2	21.4	13.9	8.5	4.8	2.4	1.0	0.6		
40		2.5	8.0	15.4	30.1	52.5	63.8	70.7	70.7	63.8	52.5	30.1	15.4	8.0	2.5			
30	1.6	4.3	13.2	28.1	68.8	80.0	110.4	201.7	201.7	110.4	80.0	68.8	28.1	13.2	4.3	1.6		
20		5.8	17.2	49.3	97.0	142.6	904.2	2916.4	2916.4	904.2	142.6	97.0	49.3	17.2	5.8			
10	2.3	7.0	19.9	64.4	111.1	318.7	3203.3	9629.7	9629.7	3203.3	318.7	111.1	64.4	19.9	7.0	2.3		
0		7.7	21.9	68.0	122.3	365.5	3488.6	10014.5	10014.5	3488.6	365.5	122.3	68.0	21.9	7.7			
-10	2.5	7.8	22.8	65.6	128.6	209.2	1278.5	3745.5	3745.5	1278.5	209.2	128.6	65.6	22.8	7.8	2.5		
-20		7.1	22.4	50.1	121.3	166.3	231.1	462.1	462.1	231.1	166.3	121.3	50.1	22.4	7.1			
-30	2.1	6.1	19.6	39.2	84.8	149.4	175.0	183.5	183.5	175.0	149.4	84.8	39.2	19.6	6.1	2.1		
-40		4.6	14.9	31.7	50.6	77.8	118.3	148.5	148.5	118.3	77.8	50.6	31.7	14.9	4.6			
-50	1.7	3.0	9.4	20.8	35.4	47.9	57.2	63.2	63.2	57.2	47.9	35.4	20.8	9.4	3.0	1.7		
-60		2.1	4.8	10.4	18.1	25.4	31.9	35.9	35.9	31.9	25.4	18.1	10.4	4.8	2.1			
-70	1.2	7.4	18.0	30.0	36.7	30.0	18.0	7.4	1.2							1.2		
-80		7.4	18.0	30.0	36.7	30.0	18.0	7.4	1.2									
-90	1.2	7.4	18.0	30.0	36.7	30.0	18.0	7.4	1.2									

REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

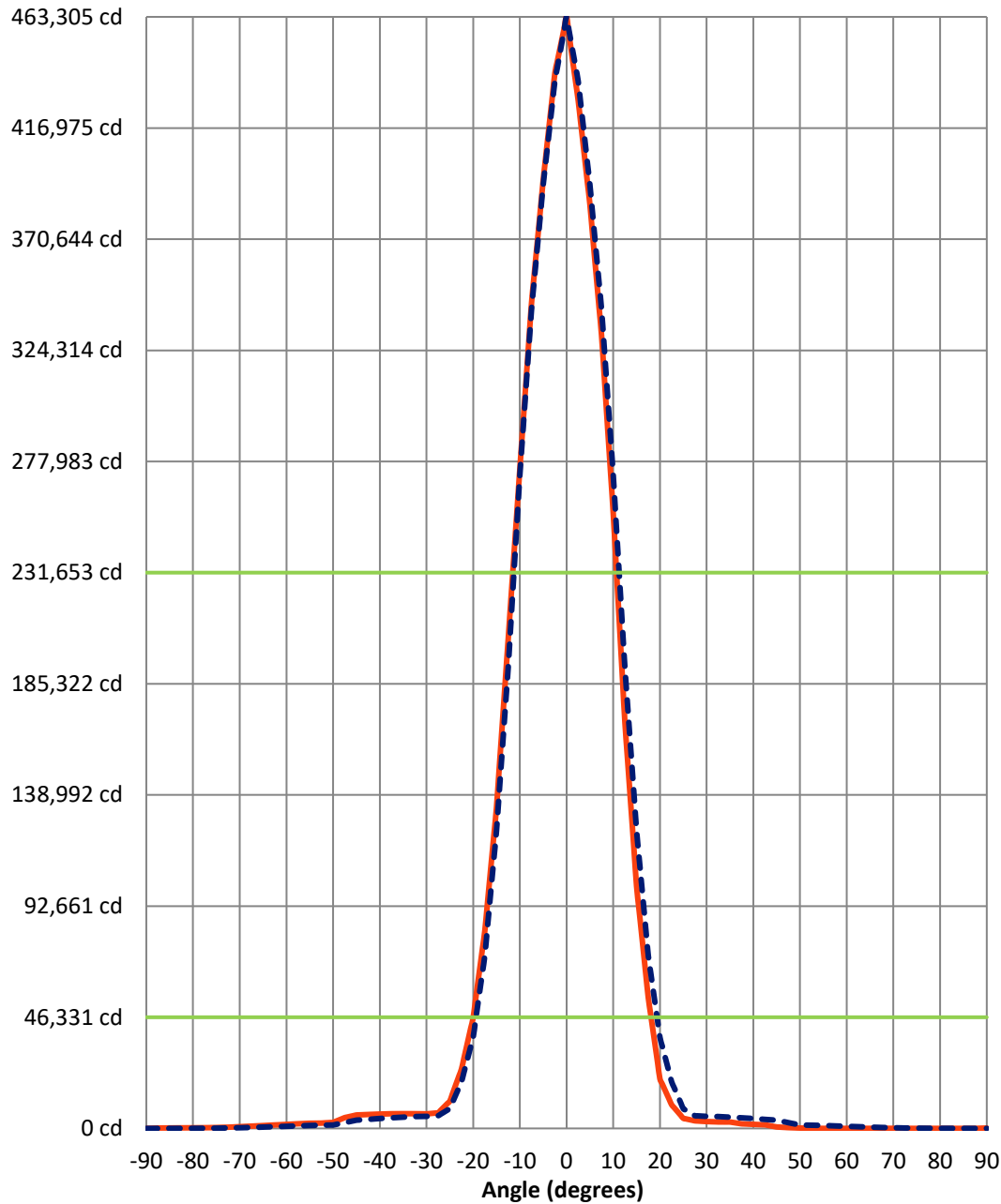
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

Luminous Intensity Plot



Beam:
H Angle: 22.5°
V Angle: 22.2°
Lumens: 37840.1
Efficiency: 46.7%

Field:
H Angle: 38.8°
V Angle: 38.1°
Lumens: 67411.3
Efficiency: 83.2%

Spill:
Lumens: 13567.5
Efficiency: 16.8%

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



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.7	9.9	15.1	26.0	36.9	46.3	55.8	62.9	70.0	75.7	81.3
87.5°	4.7	4.8	4.9	4.9	4.9	4.9	5.0	4.9	4.7	4.7	4.7
85°	4.7	4.9	5.0	5.1	5.0	5.1	5.2	5.0	4.7	4.7	4.7
82.5°	4.7	5.1	5.2	5.3	5.2	5.3	5.5	5.2	4.8	4.9	5.0
80°	4.7	5.2	5.4	5.5	5.4	5.6	5.7	5.5	5.4	5.5	5.4
77.5°	4.7	5.3	5.5	5.7	5.6	5.8	6.0	5.9	6.1	6.1	5.9
75°	4.7	5.4	5.7	5.9	5.8	6.1	6.2	6.3	6.6	6.5	6.3
72.5°	4.7	5.6	5.9	6.1	6.2	6.4	6.5	6.7	7.0	6.9	6.7
70°	4.7	5.7	6.1	6.3	6.5	6.8	6.8	7.2	7.4	7.4	7.3
67.5°	4.7	5.8	6.3	6.5	6.8	7.1	7.4	7.7	7.9	8.0	7.9
65°	4.7	5.9	6.5	6.8	7.2	7.6	8.0	8.2	8.8	8.8	8.7
62.5°	4.7	6.1	6.7	7.0	7.5	8.1	8.6	9.2	9.9	9.8	10.2
60°	4.7	6.2	6.9	7.3	7.8	8.7	9.2	10.5	11.2	11.7	11.9
57.5°	4.7	6.3	7.1	7.5	8.4	9.3	10.7	12.0	13.4	14.1	15.9
55°	4.7	6.4	7.4	7.8	9.1	9.9	12.5	13.8	16.2	17.5	21.3
52.5°	4.7	6.6	7.7	8.0	9.8	10.7	14.4	16.7	19.2	24.1	27.2
50°	4.7	6.7	8.0	8.2	10.6	12.7	16.4	19.9	23.5	31.3	38.9
47.5°	4.7	6.8	8.4	8.5	11.4	14.8	18.7	23.3	30.8	39.1	52.8
45°	4.7	6.9	8.7	9.2	12.2	16.9	21.7	26.7	38.8	53.1	68.0
42.5°	4.7	7.0	9.1	9.9	13.1	19.1	24.8	32.6	47.3	68.1	92.5
40°	4.7	7.1	9.5	10.8	14.5	21.4	28.0	40.4	58.3	84.2	120.3
37.5°	4.7	7.3	10.0	11.9	16.2	23.7	31.6	48.5	74.0	104.9	150.0
35°	4.7	7.4	10.4	13.1	18.0	26.4	35.2	56.8	90.4	132.7	183.3
32.5°	4.7	7.5	10.9	14.3	19.8	29.3	39.9	65.4	107.6	161.0	218.7
30°	4.7	7.6	11.3	15.5	21.6	32.2	46.9	75.4	125.4	189.5	252.4
27.5°	4.7	7.7	11.8	16.8	23.9	35.1	53.8	88.5	143.6	218.3	284.3
25°	4.7	7.8	12.3	18.1	26.2	37.9	60.6	100.9	162.8	245.5	314.6
22.5°	4.7	7.9	12.8	19.4	28.4	40.8	67.3	112.6	180.4	264.0	347.4
20°	4.7	8.0	13.3	20.7	30.5	43.9	73.8	123.5	196.6	281.1	373.0
17.5°	4.7	8.1	13.8	22.0	32.6	46.8	79.7	133.6	211.2	296.8	397.1
15°	4.7	8.1	14.3	23.3	34.6	49.7	85.0	142.5	224.2	311.1	420.4
12.5°	4.7	8.2	14.8	24.5	36.4	52.3	89.9	150.1	236.5	323.8	442.3
10°	4.7	8.3	15.3	25.8	38.2	54.9	94.2	156.8	248.2	339.7	465.0
7.5°	4.7	8.3	15.8	27.0	39.9	57.3	98.1	162.7	258.7	355.1	490.8
5°	4.7	8.4	16.2	28.2	41.5	59.5	101.5	167.7	267.9	369.1	514.5
2.5°	4.7	8.5	16.6	29.3	43.0	61.5	104.4	171.8	275.6	381.6	535.8
0°	4.7	8.5	17.0	30.3	44.4	63.4	106.8	174.9	281.8	392.4	554.1
-2.5°	4.7	8.9	17.9	31.6	46.3	66.0	110.2	181.3	290.4	403.7	563.7
-5°	4.7	9.2	18.8	32.9	48.2	68.4	113.1	186.6	297.2	412.9	570.2
-7.5°	4.7	9.6	19.6	34.1	49.9	70.7	115.5	190.7	302.1	419.9	573.6
-10°	4.7	9.9	20.3	35.1	51.5	72.7	117.3	193.6	305.1	424.6	574.2
-12.5°	4.7	10.2	21.1	36.1	52.9	74.5	118.5	195.1	306.0	426.5	573.6
-15°	4.7	10.5	21.7	37.1	54.2	76.0	119.1	195.1	303.8	423.1	569.6
-17.5°	4.7	10.8	22.4	37.9	55.3	77.3	119.0	193.1	298.2	417.1	561.1
-20°	4.7	11.1	22.9	38.6	56.3	78.4	118.5	189.4	290.6	408.7	548.0



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.7	11.4	23.5	39.2	57.1	79.2	117.6	184.5	281.2	397.6	530.6
-25°	4.7	11.6	23.9	39.8	57.8	79.9	116.0	178.4	270.0	383.9	513.4
-27.5°	4.7	11.8	24.3	40.2	58.3	80.4	113.7	170.9	256.9	372.7	501.3
-30°	4.7	12.0	24.6	40.6	58.7	80.6	110.7	162.3	246.4	360.2	486.3
-32.5°	4.7	12.2	24.9	40.9	59.1	80.7	107.0	156.8	237.5	344.9	468.0
-35°	4.7	12.3	25.1	41.0	59.4	80.4	105.5	152.2	226.5	326.8	446.4
-37.5°	4.7	12.5	25.2	41.1	59.5	80.1	104.9	146.9	213.3	306.0	423.0
-40°	4.7	12.6	25.3	41.1	59.5	80.1	104.0	140.3	197.9	287.1	396.7
-42.5°	4.7	12.7	25.2	41.0	59.5	79.9	102.7	132.4	186.2	267.0	366.8
-45°	4.7	12.7	25.2	40.9	59.4	79.4	101.1	126.4	175.8	244.2	334.6
-47.5°	4.7	12.7	25.0	40.8	59.2	78.8	99.1	124.0	163.7	219.0	305.7
-50°	4.7	12.8	24.8	40.6	58.8	78.0	97.8	121.1	150.1	203.3	273.8
-52.5°	4.7	12.7	24.5	40.3	58.3	76.9	96.4	117.8	143.0	186.1	239.8
-55°	4.7	12.7	24.1	39.9	57.6	75.9	94.7	114.2	138.5	167.4	217.0
-57.5°	4.7	12.6	23.7	39.4	56.8	74.6	92.8	111.9	133.4	158.3	193.1
-60°	4.7	12.5	23.2	38.7	55.8	73.1	90.7	109.3	128.3	151.8	173.4
-62.5°	4.7	12.4	22.8	38.0	54.7	71.4	88.4	106.3	124.6	144.4	164.5
-65°	4.7	12.3	22.4	37.1	53.5	69.5	85.9	103.0	120.5	138.2	155.0
-67.5°	4.7	12.1	21.9	36.2	52.1	67.5	83.1	99.5	116.0	132.3	147.3
-70°	4.7	11.9	21.3	35.1	50.6	65.3	80.1	95.7	111.6	126.0	140.0
-72.5°	4.7	11.7	20.7	34.2	48.9	62.9	77.0	91.7	106.9	120.1	132.5
-75°	4.7	11.5	20.0	33.3	47.1	60.4	73.8	87.6	101.9	113.9	125.3
-77.5°	4.7	11.3	19.3	32.2	45.6	57.7	70.4	83.2	96.5	107.4	117.8
-80°	4.7	11.0	18.5	31.1	44.0	55.4	66.8	78.6	90.9	100.4	109.8
-82.5°	4.7	10.8	17.7	30.0	42.4	53.3	64.1	74.3	85.0	93.2	101.5
-85°	4.7	10.5	16.9	28.7	40.7	51.1	61.4	70.6	80.1	87.0	93.9
-87.5°	4.7	10.2	16.0	27.4	38.8	48.8	58.7	66.8	75.1	81.4	87.6
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	85.6	89.8	93.6	97.4	101.7	105.9	110.7	115.4	120.1	124.8	128.6
87.5°	4.5	4.3	4.3	4.3	4.1	3.8	3.8	3.8	3.3	2.8	2.8
85°	4.7	4.7	4.7	4.7	4.4	4.1	4.0	3.8	3.5	3.3	3.4
82.5°	5.1	5.2	5.0	4.7	4.6	4.6	4.3	3.9	4.0	4.1	4.0
80°	5.5	5.7	5.3	5.0	4.9	4.7	4.6	4.6	4.6	4.7	4.4
77.5°	5.9	5.8	5.6	5.6	5.3	5.0	5.1	5.2	5.1	4.8	4.7
75°	6.1	5.8	5.8	5.8	5.6	5.6	5.7	5.7	5.5	5.4	5.2
72.5°	6.5	6.3	6.2	5.9	5.9	5.8	5.7	5.7	6.6	7.9	8.9
70°	7.0	6.8	6.7	6.5	6.3	6.3	7.5	9.6	11.9	13.7	16.2
67.5°	7.6	7.5	7.3	7.2	7.7	8.8	10.5	16.7	23.0	25.3	26.4
65°	8.5	8.3	8.3	8.9	9.4	14.2	20.4	27.8	35.6	37.1	35.6
62.5°	9.5	10.6	10.3	11.9	16.2	22.0	29.9	38.3	47.3	45.2	37.7
60°	13.1	13.7	15.2	18.8	23.7	30.3	39.1	42.7	46.4	47.1	36.6
57.5°	17.6	19.5	23.1	26.9	33.4	37.1	38.4	38.5	43.8	44.2	33.5
55°	24.4	27.8	33.2	37.8	41.9	37.8	37.8	41.3	43.1	39.9	29.8
52.5°	35.2	38.7	47.1	50.6	48.3	45.0	44.1	47.2	45.4	40.5	34.5
50°	47.1	57.2	62.8	65.6	60.2	59.6	54.8	57.6	59.3	56.7	59.3
47.5°	66.3	78.6	83.1	87.3	82.9	87.5	82.9	96.5	96.8	130.1	133.9
45°	89.7	106.3	111.6	121.2	128.5	132.8	159.1	160.9	231.6	259.4	319.0
42.5°	117.0	138.7	157.5	162.2	206.8	228.1	265.3	333.6	398.9	455.1	486.9
40°	152.1	175.2	214.5	258.5	309.1	359.0	414.5	494.7	563.6	593.9	609.9
37.5°	190.6	234.9	287.2	360.8	436.1	493.4	559.3	634.7	680.5	696.5	700.3
35°	231.9	295.7	383.4	460.7	541.3	618.3	679.8	751.8	767.2	780.0	850.9
32.5°	282.1	356.5	460.0	546.7	628.3	716.5	778.7	821.3	845.8	892.7	1123.8
30°	332.4	419.7	522.1	614.2	709.5	793.2	852.6	894.0	922.0	1143.0	1622.9
27.5°	373.8	474.1	575.8	682.9	788.1	872.1	929.2	966.8	1130.0	1496.4	2235.4
25°	411.3	516.8	629.6	758.7	869.4	947.2	1005.7	1042.9	1408.0	2156.1	2668.6
22.5°	446.5	558.1	690.4	838.9	950.3	1016.4	1072.6	1274.7	1827.5	2824.6	3100.2
20°	481.0	607.8	756.4	906.7	1026.1	1075.1	1134.1	1534.6	2367.2	3081.9	3383.8
17.5°	516.6	658.7	818.7	958.9	1065.7	1127.4	1222.0	1786.6	2822.9	3307.1	3525.5
15°	552.3	706.8	869.4	1004.9	1104.6	1178.7	1423.0	2147.8	3105.2	3554.7	3760.3
12.5°	587.3	748.8	907.6	1044.2	1145.4	1227.3	1606.9	2521.2	3360.2	3797.7	4070.0
10°	620.9	785.2	940.2	1082.4	1185.3	1274.5	1792.6	2886.2	3590.6	3956.3	4184.6
7.5°	650.3	814.9	968.4	1118.8	1222.6	1320.8	1996.3	3128.3	3688.6	4057.0	4242.5
5°	675.4	838.3	997.0	1159.5	1261.3	1363.5	2181.3	3288.0	3725.9	4119.1	4303.1
2.5°	696.5	857.2	1021.6	1197.6	1299.5	1399.6	2310.9	3389.2	3751.2	4142.9	4362.7
0°	713.9	871.8	1042.0	1231.1	1334.2	1431.6	2407.4	3438.0	3759.5	4134.0	4418.6
-2.5°	725.1	893.2	1079.8	1263.4	1362.7	1458.4	2403.4	3466.7	3769.8	4181.7	4634.7
-5°	732.6	909.8	1111.5	1290.7	1388.5	1482.0	2362.3	3445.7	3792.6	4254.3	4775.9
-7.5°	736.4	921.0	1135.8	1312.7	1412.8	1508.5	2311.5	3397.3	3909.1	4403.5	4864.5
-10°	737.6	927.6	1140.8	1323.3	1435.3	1534.5	2227.7	3295.4	4001.2	4466.0	4890.2
-12.5°	742.6	930.8	1138.2	1327.6	1454.5	1558.3	2124.3	3227.9	4124.8	4504.6	4880.9
-15°	742.1	929.6	1130.6	1326.4	1478.0	1590.1	1986.7	3068.7	4200.2	4513.2	4855.8
-17.5°	735.8	924.2	1119.0	1321.8	1500.3	1614.0	1792.7	2741.1	3984.8	4475.0	4826.0
-20°	723.5	912.7	1102.6	1307.5	1512.7	1636.0	1769.6	2454.2	3541.5	4373.8	4770.1



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	705.8	895.7	1082.6	1283.5	1506.8	1661.0	1785.7	2175.2	3103.5	4223.8	4679.4
-25°	685.1	872.0	1059.5	1270.5	1498.1	1684.9	1789.0	1915.9	2722.6	3727.2	4523.1
-27.5°	662.2	842.8	1034.1	1243.0	1484.6	1680.6	1787.7	1907.4	2316.9	3116.3	4274.2
-30°	635.6	809.8	998.9	1203.0	1436.7	1635.4	1783.4	1882.5	2007.6	2637.2	3624.7
-32.5°	606.1	772.7	957.1	1157.7	1375.2	1584.9	1758.8	1862.5	1972.3	2187.9	2983.9
-35°	577.3	736.7	911.0	1105.6	1312.3	1516.3	1694.2	1841.5	1933.7	2054.9	2418.2
-37.5°	550.6	696.4	860.4	1048.6	1248.6	1431.1	1623.6	1783.2	1909.3	1997.2	2144.1
-40°	519.6	651.4	808.6	984.8	1164.5	1338.2	1521.2	1700.8	1855.7	1971.5	2059.1
-42.5°	484.8	610.8	753.0	909.5	1075.6	1240.8	1414.0	1591.8	1761.9	1914.5	2023.1
-45°	447.1	565.4	693.4	835.4	982.9	1140.4	1305.2	1473.5	1642.4	1810.6	1944.5
-47.5°	403.4	515.5	636.9	756.4	892.3	1037.1	1190.3	1348.5	1504.6	1667.0	1821.2
-50°	358.0	461.6	572.5	682.7	800.7	931.6	1071.8	1219.7	1367.8	1517.7	1666.3
-52.5°	316.8	402.9	505.0	609.0	713.2	825.0	952.0	1086.8	1226.6	1368.0	1498.0
-55°	272.8	350.3	434.2	531.5	629.3	726.6	829.8	951.8	1078.4	1209.6	1326.2
-57.5°	239.0	297.3	369.7	450.2	541.1	633.2	723.7	815.4	928.5	1045.2	1143.2
-60°	210.9	252.9	308.4	376.4	448.9	534.0	619.1	704.2	791.7	875.2	965.7
-62.5°	185.2	219.5	258.5	306.0	368.9	434.6	510.2	588.6	668.7	740.7	807.2
-65°	174.1	190.5	219.8	255.3	291.4	347.5	408.1	469.8	539.3	603.0	663.0
-67.5°	162.4	177.6	192.8	211.5	243.9	277.1	310.5	365.0	419.5	468.8	517.8
-70°	153.0	164.7	178.2	191.8	205.8	224.9	254.7	285.5	316.4	350.4	391.7
-72.5°	143.8	154.3	165.1	175.7	188.1	201.3	214.9	228.9	250.2	276.4	300.1
-75°	134.9	143.6	153.3	163.1	173.0	182.9	194.0	206.9	219.7	232.4	244.4
-77.5°	126.4	134.4	142.4	150.7	159.2	168.1	177.8	188.0	198.5	209.0	218.2
-80°	117.4	125.0	131.9	138.9	146.5	154.2	162.3	170.7	179.9	189.5	197.9
-82.5°	107.8	114.1	120.3	126.5	133.6	140.6	147.6	154.5	162.1	169.9	176.8
-85°	98.5	103.0	108.4	113.8	120.1	126.4	132.3	138.2	144.8	151.3	156.7
-87.5°	92.1	96.4	100.7	104.9	109.9	115.0	119.9	124.7	130.1	135.6	139.8
-90°	4.3	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.3	2.8	2.8



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	132.4	135.3	138.1	139.5	140.9	143.8	146.6	150.9	155.1	159.8	164.5
87.5°	2.8	2.8	2.8	2.7	2.7	2.3	1.9	1.9	1.9	1.9	1.9
85°	3.4	3.5	3.5	3.2	2.8	2.7	2.7	2.7	2.7	2.3	1.9
82.5°	3.8	3.8	3.8	3.6	3.5	3.2	2.8	2.8	2.8	2.8	2.8
80°	4.1	4.0	3.8	3.8	3.8	3.7	3.6	3.2	2.8	3.2	3.7
77.5°	4.7	4.4	4.2	4.0	3.9	3.6	3.2	2.9	2.8	2.9	2.9
75°	4.9	5.0	5.6	5.8	5.6	5.1	4.3	4.2	4.3	4.1	3.8
72.5°	9.6	10.1	10.5	11.4	11.8	12.4	13.4	15.2	17.3	19.3	21.3
70°	19.3	22.0	22.6	22.7	22.6	23.3	24.4	25.5	26.9	28.2	29.3
67.5°	29.8	32.1	32.4	32.9	32.1	30.8	29.5	29.5	31.2	33.2	35.4
65°	36.3	33.9	32.1	31.7	31.1	29.6	27.1	25.3	24.9	24.5	24.6
62.5°	32.6	27.9	26.2	25.9	24.4	22.6	19.3	16.5	15.1	14.3	14.4
60°	28.3	22.7	19.3	17.8	15.5	13.2	11.2	9.1	8.5	8.2	8.4
57.5°	23.2	17.3	13.3	12.7	11.0	8.7	7.2	5.7	5.4	5.4	5.8
55°	21.3	18.2	15.2	14.2	12.2	11.2	9.6	7.6	7.2	7.7	8.5
52.5°	27.7	26.0	24.6	24.7	27.2	25.2	18.8	26.4	30.6	30.6	29.3
50°	60.7	54.6	77.9	75.0	93.7	106.2	96.5	108.3	125.2	137.1	145.5
47.5°	173.3	179.7	207.6	231.7	251.2	273.1	295.2	308.6	312.0	334.1	349.3
45°	349.0	369.9	401.0	416.7	447.3	483.6	509.1	520.5	587.4	670.5	724.2
42.5°	506.5	522.7	547.1	602.4	658.6	782.9	925.5	930.5	1059.4	1173.4	1290.2
40°	616.6	647.1	733.9	865.3	1168.6	1405.2	1573.6	1738.7	1766.2	1712.6	1741.8
37.5°	759.3	867.9	1088.0	1442.4	1704.9	1942.5	2038.3	2050.7	2084.0	2104.9	2071.7
35°	1028.1	1390.1	1572.6	1873.9	2064.8	2111.2	2140.1	2168.6	2195.9	2214.6	2234.9
32.5°	1616.7	2065.1	2089.2	2166.7	2202.3	2243.5	2274.1	2292.0	2304.4	2320.8	2376.1
30°	2249.4	2353.8	2362.5	2356.4	2368.6	2396.3	2416.4	2449.1	2481.6	2519.1	2641.9
27.5°	2544.9	2624.9	2600.0	2557.3	2536.1	2558.2	2612.8	2663.6	2758.3	2857.8	3034.0
25°	2872.0	2925.0	2894.5	2818.7	2771.3	2802.6	2884.7	2981.6	3162.5	3322.0	3646.2
22.5°	3222.2	3320.7	3288.9	3266.3	3166.3	3181.3	3246.0	3464.7	3917.3	4633.8	6121.7
20°	3493.8	3614.2	3629.5	3630.0	3609.0	3615.2	3765.5	4471.0	5794.2	9952.4	13638.5
17.5°	3695.2	3765.8	3850.6	3885.4	3926.7	4047.0	4849.2	7289.7	13004.1	20652.0	26508.3
15°	3956.2	4046.6	4138.5	4196.7	4289.8	4951.5	7002.9	14498.3	24889.7	37870.2	54461.4
12.5°	4165.2	4276.6	4349.5	4395.7	4610.4	6351.1	13488.4	24278.7	40491.9	60634.3	90514.7
10°	4280.9	4367.7	4467.1	4626.9	5502.8	9212.5	19021.4	34117.8	59040.9	95322.5	135120.4
7.5°	4338.4	4450.8	4617.2	4859.8	6513.1	13448.6	26462.4	48157.4	82198.8	127376.4	182828.9
5°	4405.4	4613.1	4811.3	5089.0	7297.6	16507.2	32377.2	60131.5	102389.8	157656.0	226140.0
2.5°	4513.7	4826.1	4953.8	5220.6	7770.3	18476.2	35904.4	69497.1	117467.0	182365.0	259254.8
0°	4684.3	4944.3	5020.9	5289.4	8246.2	19450.0	37976.2	72065.2	124183.0	191987.5	272297.0
-2.5°	4877.1	5039.4	5124.4	5423.7	8485.0	20443.4	39606.3	73790.7	122583.6	188782.1	267397.2
-5°	5002.9	5131.8	5214.1	5506.6	8458.9	19450.0	37784.9	68717.3	113232.3	172441.5	242728.9
-7.5°	5088.5	5222.8	5308.8	5576.9	7958.8	16808.8	33373.4	59233.4	96228.0	144787.2	205497.8
-10°	5172.2	5318.8	5431.6	5643.4	7044.1	12831.7	26194.5	44687.3	75256.3	113892.6	159284.1
-12.5°	5247.6	5428.7	5573.9	5671.4	6185.0	9759.9	19249.8	34180.9	54168.8	83010.2	116226.4
-15°	5285.8	5502.4	5664.9	5772.4	6070.2	7717.3	12465.2	22618.1	37818.4	55708.1	77322.0
-17.5°	5220.0	5543.2	5699.5	5817.9	5915.8	6339.1	8792.8	13883.8	23377.7	35096.9	45655.2
-20°	5115.4	5547.7	5724.7	5884.0	5995.3	6110.7	6423.2	8841.7	12704.0	19893.7	26930.7



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5026.9	5428.9	5798.5	5970.6	6098.7	6107.1	6116.8	6407.9	7916.0	10338.3	14060.8
-25°	4965.6	5346.0	5776.0	6042.7	6131.4	6134.6	6086.2	6032.1	6203.1	6374.9	7735.1
-27.5°	4861.9	5274.4	5678.6	6003.9	6135.4	6130.8	6094.1	6058.0	5998.8	5960.1	6106.8
-30°	4735.0	5149.5	5525.8	5852.9	6047.8	6107.6	6082.6	6055.7	6037.4	6024.6	5998.3
-32.5°	4058.6	4996.0	5313.1	5609.9	5887.9	6009.8	6064.0	6051.4	6035.0	6027.9	6032.6
-35°	3315.2	4283.0	5106.1	5317.7	5559.0	5801.4	5972.5	6011.2	6028.3	6025.3	6032.8
-37.5°	2541.9	3413.9	4222.6	4898.6	5189.1	5441.2	5689.8	5854.4	5953.2	5970.3	5993.6
-40°	2190.8	2437.3	3203.4	3882.9	4448.1	4968.5	5231.7	5516.4	5738.4	5827.8	5874.7
-42.5°	2098.0	2195.9	2296.5	2794.8	3380.0	3876.1	4367.6	4856.1	5261.6	5490.9	5640.2
-45°	2057.5	2112.1	2170.1	2250.4	2322.3	2741.2	3192.5	3668.5	4201.4	4599.4	4970.2
-47.5°	1939.7	2049.7	2105.1	2139.2	2164.5	2219.8	2269.2	2403.4	2846.9	3195.6	3582.5
-50°	1783.9	1895.7	1986.4	2067.0	2094.6	2107.3	2122.1	2166.8	2237.6	2289.1	2367.0
-52.5°	1603.5	1708.5	1809.4	1895.8	1957.5	2010.6	2061.2	2096.5	2125.1	2154.9	2183.1
-55°	1431.1	1520.4	1607.0	1688.1	1761.7	1822.9	1883.2	1940.6	1994.4	2045.0	2092.3
-57.5°	1242.0	1331.2	1410.9	1483.6	1546.3	1597.4	1656.9	1720.1	1779.3	1831.9	1883.2
-60°	1051.1	1132.3	1208.5	1277.3	1334.7	1379.8	1437.7	1494.3	1548.5	1597.5	1640.4
-62.5°	871.7	941.0	1006.6	1067.4	1121.7	1170.2	1218.7	1267.2	1318.4	1364.2	1404.6
-65°	720.0	775.4	822.0	865.3	901.8	945.6	992.3	1035.8	1080.9	1123.3	1162.0
-67.5°	567.7	614.6	653.7	691.2	721.7	752.4	787.2	820.3	852.1	885.0	917.3
-70°	428.4	461.4	486.1	511.8	541.8	569.9	597.9	626.0	652.5	681.5	711.3
-72.5°	319.7	335.8	352.0	372.8	390.8	411.1	431.2	452.8	474.7	495.7	515.3
-75°	255.9	266.1	278.4	288.6	296.3	306.2	317.4	330.9	344.6	358.2	371.1
-77.5°	227.7	234.7	240.3	244.7	248.5	253.5	258.6	268.2	278.4	289.8	301.3
-80°	205.8	210.4	214.2	217.4	220.3	224.5	228.7	237.0	245.8	254.3	262.6
-82.5°	183.6	187.4	190.6	193.4	196.0	200.0	204.0	210.6	217.3	225.5	233.8
-85°	162.1	165.4	168.5	171.1	173.5	176.6	179.7	185.8	192.0	198.6	205.2
-87.5°	144.0	146.8	149.5	151.6	153.8	156.4	159.0	163.9	168.8	174.1	179.4
-90°	2.8	2.8	2.8	2.4	1.9	1.9	1.9	1.9	1.9	1.4	0.9



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	165.0	165.5	165.5	165.5	165.5	165.5	165.0	164.5	159.8	155.1	150.9
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.7	2.7
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.2	2.8	3.2
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.8	2.9
75°	3.3	2.8	2.8	2.8	2.8	2.8	3.3	3.8	4.1	4.3	4.2
72.5°	23.1	24.8	25.8	26.5	25.8	24.8	23.1	21.3	19.3	17.3	15.2
70°	29.9	30.1	30.3	30.3	30.3	30.1	29.9	29.3	28.2	26.9	25.5
67.5°	36.7	37.5	37.7	37.8	37.7	37.5	36.7	35.4	33.2	31.2	29.5
65°	23.4	21.7	20.1	18.9	20.1	21.7	23.4	24.6	24.5	24.9	25.3
62.5°	14.1	13.6	13.3	13.2	13.3	13.6	14.1	14.4	14.3	15.1	16.5
60°	8.4	8.6	8.2	7.6	8.2	8.6	8.4	8.4	8.2	8.5	9.1
57.5°	6.1	6.5	7.0	7.6	7.0	6.5	6.1	5.8	5.4	5.4	5.7
55°	9.1	10.0	10.7	11.3	10.7	10.0	9.1	8.5	7.7	7.2	7.6
52.5°	26.4	23.7	22.8	23.6	22.8	23.7	26.4	29.3	30.6	30.6	26.4
50°	149.7	152.7	156.4	160.7	156.4	152.7	149.7	145.5	137.1	125.2	108.3
47.5°	353.6	346.8	340.6	338.5	340.6	346.8	353.6	349.3	334.1	312.0	308.6
45°	670.3	621.0	595.9	610.8	595.9	621.0	670.3	724.2	670.5	587.4	520.5
42.5°	1352.8	1425.9	1483.0	1510.0	1483.0	1425.9	1352.8	1290.2	1173.4	1059.4	930.5
40°	1696.0	1668.6	1683.4	1705.8	1683.4	1668.6	1696.0	1741.8	1712.6	1766.2	1738.7
37.5°	2088.0	2097.0	2031.1	1923.3	2031.1	2097.0	2088.0	2071.7	2104.9	2084.0	2050.7
35°	2278.0	2395.5	2615.5	2668.3	2615.5	2395.5	2278.0	2234.9	2214.6	2195.9	2168.6
32.5°	2515.9	2637.9	2675.4	2690.1	2675.4	2637.9	2515.9	2376.1	2320.8	2304.4	2292.0
30°	2800.3	2855.4	2841.5	2862.2	2841.5	2855.4	2800.3	2641.9	2519.1	2481.6	2449.1
27.5°	3111.8	3144.0	3133.6	3161.0	3133.6	3144.0	3111.8	3034.0	2857.8	2758.3	2663.6
25°	3916.0	4170.1	4156.9	4216.2	4156.9	4170.1	3916.0	3646.2	3322.0	3162.5	2981.6
22.5°	7932.9	8831.1	9368.9	9889.5	9368.9	8831.1	7932.9	6121.7	4633.8	3917.3	3464.7
20°	17724.9	20313.4	20876.9	20671.6	20876.9	20313.4	17724.9	13638.5	9952.4	5794.2	4471.0
17.5°	38047.1	48375.2	53920.8	54537.5	53920.8	48375.2	38047.1	26508.3	20652.0	13004.1	7289.7
15°	71602.3	89653.3	99902.4	100979.2	99902.4	89653.3	71602.3	54461.4	37870.2	24889.7	14498.3
12.5°	117052.4	145798.9	166902.2	169256.6	166902.2	145798.9	117052.4	90514.7	60634.3	40491.9	24278.7
10°	179308.6	218173.6	248906.7	256393.8	248906.7	218173.6	179308.6	135120.4	95322.5	59040.9	34117.8
7.5°	241446.5	285799.5	321970.2	330480.6	321970.2	285799.5	241446.5	182828.9	127376.4	82198.8	48157.4
5°	290021.8	346770.5	375635.3	385172.2	375635.3	346770.5	290021.8	226140.0	157656.0	102389.8	60131.5
2.5°	327048.2	380632.5	414519.0	428422.2	414519.0	380632.5	327048.2	259254.8	182365.0	117467.0	69497.1
0°	341341.1	393318.1	436470.7	463305.0	436470.7	393318.1	341341.1	272297.0	191987.5	124183.0	72065.2
-2.5°	335738.5	385783.3	422457.9	439864.8	422457.9	385783.3	335738.5	267397.2	188782.1	122583.6	73790.7
-5°	307415.5	357919.7	386275.5	395257.4	386275.5	357919.7	307415.5	242728.9	172441.5	113232.3	68717.3
-7.5°	259952.2	304407.2	338029.6	344056.3	338029.6	304407.2	259952.2	205497.8	144787.2	96228.0	59233.4
-10°	206027.9	244511.5	270160.9	275012.6	270160.9	244511.5	206027.9	159284.1	113892.6	75256.3	44687.3
-12.5°	146043.0	179846.8	200126.0	203868.0	200126.0	179846.8	146043.0	116226.4	83010.2	54168.8	34180.9
-15°	99243.6	120299.2	132590.3	133831.4	132590.3	120299.2	99243.6	77322.0	55708.1	37818.4	22618.1
-17.5°	62096.7	74621.2	82281.8	82352.8	82281.8	74621.2	62096.7	45655.2	35096.9	23377.7	13883.8
-20°	35950.4	41927.0	46212.9	46194.9	46212.9	41927.0	35950.4	26930.7	19893.7	12704.0	8841.7



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18730.6	22282.7	24867.1	24748.9	24867.1	22282.7	18730.6	14060.8	10338.3	7916.0	6407.9
-25°	9197.6	10557.5	11462.7	11392.0	11462.7	10557.5	9197.6	7735.1	6374.9	6203.1	6032.1
-27.5°	6233.2	6382.8	6486.1	6496.9	6486.1	6382.8	6233.2	6106.8	5960.1	5998.8	6058.0
-30°	5988.1	6022.3	6058.4	6067.6	6058.4	6022.3	5988.1	5998.3	6024.6	6037.4	6055.7
-32.5°	6047.3	6074.0	6113.5	6138.5	6113.5	6074.0	6047.3	6032.6	6027.9	6035.0	6051.4
-35°	6051.6	6082.6	6128.3	6148.9	6128.3	6082.6	6051.6	6032.8	6025.3	6028.3	6011.2
-37.5°	6023.4	6061.4	6100.7	6118.7	6100.7	6061.4	6023.4	5993.6	5970.3	5953.2	5854.4
-40°	5916.6	5955.3	5984.0	5986.3	5984.0	5955.3	5916.6	5874.7	5827.8	5738.4	5516.4
-42.5°	5739.6	5787.6	5809.7	5805.7	5809.7	5787.6	5739.6	5640.2	5490.9	5261.6	4856.1
-45°	5321.8	5491.8	5575.3	5595.8	5575.3	5491.8	5321.8	4970.2	4599.4	4201.4	3668.5
-47.5°	4030.8	4280.1	4440.0	4503.7	4440.0	4280.1	4030.8	3582.5	3195.6	2846.9	2403.4
-50°	2468.8	2492.0	2507.3	2515.2	2507.3	2492.0	2468.8	2367.0	2289.1	2237.6	2166.8
-52.5°	2206.6	2213.2	2216.8	2217.3	2216.8	2213.2	2206.6	2183.1	2154.9	2125.1	2096.5
-55°	2126.4	2139.7	2148.1	2150.2	2148.1	2139.7	2126.4	2092.3	2045.0	1994.4	1940.6
-57.5°	1917.0	1924.6	1933.1	1938.4	1933.1	1924.6	1917.0	1883.2	1831.9	1779.3	1720.1
-60°	1666.2	1673.2	1674.5	1669.8	1674.5	1673.2	1666.2	1640.4	1597.5	1548.5	1494.3
-62.5°	1426.7	1433.2	1439.6	1442.0	1439.6	1433.2	1426.7	1404.6	1364.2	1318.4	1267.2
-65°	1180.1	1183.2	1184.7	1181.9	1184.7	1183.2	1180.1	1162.0	1123.3	1080.9	1035.8
-67.5°	932.5	938.9	947.9	954.1	947.9	938.9	932.5	917.3	885.0	852.1	820.3
-70°	718.2	715.4	721.5	726.2	721.5	715.4	718.2	711.3	681.5	652.5	626.0
-72.5°	517.9	514.8	512.7	508.7	512.7	514.8	517.9	515.3	495.7	474.7	452.8
-75°	370.4	366.6	366.1	365.0	366.1	366.6	370.4	371.1	358.2	344.6	330.9
-77.5°	301.5	300.1	298.2	296.0	298.2	300.1	301.5	301.3	289.8	278.4	268.2
-80°	263.3	263.4	262.3	261.0	262.3	263.4	263.3	262.6	254.3	245.8	237.0
-82.5°	234.2	234.2	233.5	232.6	233.5	234.2	234.2	233.8	225.5	217.3	210.6
-85°	205.7	205.9	205.1	204.2	205.1	205.9	205.7	205.2	198.6	192.0	185.8
-87.5°	180.0	180.5	180.1	179.7	180.1	180.5	180.0	179.4	174.1	168.8	163.9
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.9	1.9



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	146.6	143.8	140.9	139.5	138.1	135.3	132.4	128.6	124.8	120.1	115.4
87.5°	1.9	2.3	2.7	2.7	2.8	2.8	2.8	2.8	2.8	3.3	3.8
85°	2.7	2.7	2.8	3.2	3.5	3.5	3.4	3.4	3.3	3.5	3.8
82.5°	2.8	3.2	3.5	3.6	3.8	3.8	3.8	4.0	4.1	4.0	3.9
80°	3.6	3.7	3.8	3.8	3.8	4.0	4.1	4.4	4.7	4.6	4.6
77.5°	3.2	3.6	3.9	4.0	4.2	4.4	4.7	4.7	4.8	5.1	5.2
75°	4.3	5.1	5.6	5.8	5.6	5.0	4.9	5.2	5.4	5.5	5.7
72.5°	13.4	12.4	11.8	11.4	10.5	10.1	9.6	8.9	7.9	6.6	5.7
70°	24.4	23.3	22.6	22.7	22.6	22.0	19.3	16.2	13.7	11.9	9.6
67.5°	29.5	30.8	32.1	32.9	32.4	32.1	29.8	26.4	25.3	23.0	16.7
65°	27.1	29.6	31.1	31.7	32.1	33.9	36.3	35.6	37.1	35.6	27.8
62.5°	19.3	22.6	24.4	25.9	26.2	27.9	32.6	37.7	45.2	47.3	38.3
60°	11.2	13.2	15.5	17.8	19.3	22.7	28.3	36.6	47.1	46.4	42.7
57.5°	7.2	8.7	11.0	12.7	13.3	17.3	23.2	33.5	44.2	43.8	38.5
55°	9.6	11.2	12.2	14.2	15.2	18.2	21.3	29.8	39.9	43.1	41.3
52.5°	18.8	25.2	27.2	24.7	24.6	26.0	27.7	34.5	40.5	45.4	47.2
50°	96.5	106.2	93.7	75.0	77.9	54.6	60.7	59.3	56.7	59.3	57.6
47.5°	295.2	273.1	251.2	231.7	207.6	179.7	173.3	133.9	130.1	96.8	96.5
45°	509.1	483.6	447.3	416.7	401.0	369.9	349.0	319.0	259.4	231.6	160.9
42.5°	925.5	782.9	658.6	602.4	547.1	522.7	506.5	486.9	455.1	398.9	333.6
40°	1573.6	1405.2	1168.6	865.3	733.9	647.1	616.6	609.9	593.9	563.6	494.7
37.5°	2038.3	1942.5	1704.9	1442.4	1088.0	867.9	759.3	700.3	696.5	680.5	634.7
35°	2140.1	2111.2	2064.8	1873.9	1572.6	1390.1	1028.1	850.9	780.0	767.2	751.8
32.5°	2274.1	2243.5	2202.3	2166.7	2089.2	2065.1	1616.7	1123.8	892.7	845.8	821.3
30°	2416.4	2396.3	2368.6	2356.4	2362.5	2353.8	2249.4	1622.9	1143.0	922.0	894.0
27.5°	2612.8	2558.2	2536.1	2557.3	2600.0	2624.9	2544.9	2235.4	1496.4	1130.0	966.8
25°	2884.7	2802.6	2771.3	2818.7	2894.5	2925.0	2872.0	2668.6	2156.1	1408.0	1042.9
22.5°	3246.0	3181.3	3166.3	3266.3	3288.9	3320.7	3222.2	3100.2	2824.6	1827.5	1274.7
20°	3765.5	3615.2	3609.0	3630.0	3629.5	3614.2	3493.8	3383.8	3081.9	2367.2	1534.6
17.5°	4849.2	4047.0	3926.7	3885.4	3850.6	3765.8	3695.2	3525.5	3307.1	2822.9	1786.6
15°	7002.9	4951.5	4289.8	4196.7	4138.5	4046.6	3956.2	3760.3	3554.7	3105.2	2147.8
12.5°	13488.4	6351.1	4610.4	4395.7	4349.5	4276.6	4165.2	4070.0	3797.7	3360.2	2521.2
10°	19021.4	9212.5	5502.8	4626.9	4467.1	4367.7	4280.9	4184.6	3956.3	3590.6	2886.2
7.5°	26462.4	13448.6	6513.1	4859.8	4617.2	4450.8	4338.4	4242.5	4057.0	3688.6	3128.3
5°	32377.2	16507.2	7297.6	5089.0	4811.3	4613.1	4405.4	4303.1	4119.1	3725.9	3288.0
2.5°	35904.4	18476.2	7770.3	5220.6	4953.8	4826.1	4513.7	4362.7	4142.9	3751.2	3389.2
0°	37976.2	19450.0	8246.2	5289.4	5020.9	4944.3	4684.3	4418.6	4134.0	3759.5	3438.0
-2.5°	39606.3	20443.4	8485.0	5423.7	5124.4	5039.4	4877.1	4634.7	4181.7	3769.8	3466.7
-5°	37784.9	19450.0	8458.9	5506.6	5214.1	5131.8	5002.9	4775.9	4254.3	3792.6	3445.7
-7.5°	33373.4	16808.8	7958.8	5576.9	5308.8	5222.8	5088.5	4864.5	4403.5	3909.1	3397.3
-10°	26194.5	12831.7	7044.1	5643.4	5431.6	5318.8	5172.2	4890.2	4466.0	4001.2	3295.4
-12.5°	19249.8	9759.9	6185.0	5671.4	5573.9	5428.7	5247.6	4880.9	4504.6	4124.8	3227.9
-15°	12465.2	7717.3	6070.2	5772.4	5664.9	5502.4	5285.8	4855.8	4513.2	4200.2	3068.7
-17.5°	8792.8	6339.1	5915.8	5817.9	5699.5	5543.2	5220.0	4826.0	4475.0	3984.8	2741.1
-20°	6423.2	6110.7	5995.3	5884.0	5724.7	5547.7	5115.4	4770.1	4373.8	3541.5	2454.2



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6116.8	6107.1	6098.7	5970.6	5798.5	5428.9	5026.9	4679.4	4223.8	3103.5	2175.2
-25°	6086.2	6134.6	6131.4	6042.7	5776.0	5346.0	4965.6	4523.1	3727.2	2722.6	1915.9
-27.5°	6094.1	6130.8	6135.4	6003.9	5678.6	5274.4	4861.9	4274.2	3116.3	2316.9	1907.4
-30°	6082.6	6107.6	6047.8	5852.9	5525.8	5149.5	4735.0	3624.7	2637.2	2007.6	1882.5
-32.5°	6064.0	6009.8	5887.9	5609.9	5313.1	4996.0	4058.6	2983.9	2187.9	1972.3	1862.5
-35°	5972.5	5801.4	5559.0	5317.7	5106.1	4283.0	3315.2	2418.2	2054.9	1933.7	1841.5
-37.5°	5689.8	5441.2	5189.1	4898.6	4222.6	3413.9	2541.9	2144.1	1997.2	1909.3	1783.2
-40°	5231.7	4968.5	4448.1	3882.9	3203.4	2437.3	2190.8	2059.1	1971.5	1855.7	1700.8
-42.5°	4367.6	3876.1	3380.0	2794.8	2296.5	2195.9	2098.0	2023.1	1914.5	1761.9	1591.8
-45°	3192.5	2741.2	2322.3	2250.4	2170.1	2112.1	2057.5	1944.5	1810.6	1642.4	1473.5
-47.5°	2269.2	2219.8	2164.5	2139.2	2105.1	2049.7	1939.7	1821.2	1667.0	1504.6	1348.5
-50°	2122.1	2107.3	2094.6	2067.0	1986.4	1895.7	1783.9	1666.3	1517.7	1367.8	1219.7
-52.5°	2061.2	2010.6	1957.5	1895.8	1809.4	1708.5	1603.5	1498.0	1368.0	1226.6	1086.8
-55°	1883.2	1822.9	1761.7	1688.1	1607.0	1520.4	1431.1	1326.2	1209.6	1078.4	951.8
-57.5°	1656.9	1597.4	1546.3	1483.6	1410.9	1331.2	1242.0	1143.2	1045.2	928.5	815.4
-60°	1437.7	1379.8	1334.7	1277.3	1208.5	1132.3	1051.1	965.7	875.2	791.7	704.2
-62.5°	1218.7	1170.2	1121.7	1067.4	1006.6	941.0	871.7	807.2	740.7	668.7	588.6
-65°	992.3	945.6	901.8	865.3	822.0	775.4	720.0	663.0	603.0	539.3	469.8
-67.5°	787.2	752.4	721.7	691.2	653.7	614.6	567.7	517.8	468.8	419.5	365.0
-70°	597.9	569.9	541.8	511.8	486.1	461.4	428.4	391.7	350.4	316.4	285.5
-72.5°	431.2	411.1	390.8	372.8	352.0	335.8	319.7	300.1	276.4	250.2	228.9
-75°	317.4	306.2	296.3	288.6	278.4	266.1	255.9	244.4	232.4	219.7	206.9
-77.5°	258.6	253.5	248.5	244.7	240.3	234.7	227.7	218.2	209.0	198.5	188.0
-80°	228.7	224.5	220.3	217.4	214.2	210.4	205.8	197.9	189.5	179.9	170.7
-82.5°	204.0	200.0	196.0	193.4	190.6	187.4	183.6	176.8	169.9	162.1	154.5
-85°	179.7	176.6	173.5	171.1	168.5	165.4	162.1	156.7	151.3	144.8	138.2
-87.5°	159.0	156.4	153.8	151.6	149.5	146.8	144.0	139.8	135.6	130.1	124.7
-90°	1.9	1.9	1.9	2.4	2.8	2.8	2.8	2.8	2.8	3.3	3.8



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	110.7	105.9	101.7	97.4	93.6	89.8	85.6	81.3	75.7	70.0	62.9
87.5°	3.8	3.8	4.1	4.3	4.3	4.3	4.5	4.7	4.7	4.7	4.9
85°	4.0	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.0
82.5°	4.3	4.6	4.6	4.7	5.0	5.2	5.1	5.0	4.9	4.8	5.2
80°	4.6	4.7	4.9	5.0	5.3	5.7	5.5	5.4	5.5	5.4	5.5
77.5°	5.1	5.0	5.3	5.6	5.6	5.8	5.9	5.9	6.1	6.1	5.9
75°	5.7	5.6	5.6	5.8	5.8	5.8	6.1	6.3	6.5	6.6	6.3
72.5°	5.7	5.8	5.9	5.9	6.2	6.3	6.5	6.7	6.9	7.0	6.7
70°	7.5	6.3	6.3	6.5	6.7	6.8	7.0	7.3	7.4	7.4	7.2
67.5°	10.5	8.8	7.7	7.2	7.3	7.5	7.6	7.9	8.0	7.9	7.7
65°	20.4	14.2	9.4	8.9	8.3	8.3	8.5	8.7	8.8	8.8	8.2
62.5°	29.9	22.0	16.2	11.9	10.3	10.6	9.5	10.2	9.8	9.9	9.2
60°	39.1	30.3	23.7	18.8	15.2	13.7	13.1	11.9	11.7	11.2	10.5
57.5°	38.4	37.1	33.4	26.9	23.1	19.5	17.6	15.9	14.1	13.4	12.0
55°	37.8	37.8	41.9	37.8	33.2	27.8	24.4	21.3	17.5	16.2	13.8
52.5°	44.1	45.0	48.3	50.6	47.1	38.7	35.2	27.2	24.1	19.2	16.7
50°	54.8	59.6	60.2	65.6	62.8	57.2	47.1	38.9	31.3	23.5	19.9
47.5°	82.9	87.5	82.9	87.3	83.1	78.6	66.3	52.8	39.1	30.8	23.3
45°	159.1	132.8	128.5	121.2	111.6	106.3	89.7	68.0	53.1	38.8	26.7
42.5°	265.3	228.1	206.8	162.2	157.5	138.7	117.0	92.5	68.1	47.3	32.6
40°	414.5	359.0	309.1	258.5	214.5	175.2	152.1	120.3	84.2	58.3	40.4
37.5°	559.3	493.4	436.1	360.8	287.2	234.9	190.6	150.0	104.9	74.0	48.5
35°	679.8	618.3	541.3	460.7	383.4	295.7	231.9	183.3	132.7	90.4	56.8
32.5°	778.7	716.5	628.3	546.7	460.0	356.5	282.1	218.7	161.0	107.6	65.4
30°	852.6	793.2	709.5	614.2	522.1	419.7	332.4	252.4	189.5	125.4	75.4
27.5°	929.2	872.1	788.1	682.9	575.8	474.1	373.8	284.3	218.3	143.6	88.5
25°	1005.7	947.2	869.4	758.7	629.6	516.8	411.3	314.6	245.5	162.8	100.9
22.5°	1072.6	1016.4	950.3	838.9	690.4	558.1	446.5	347.4	264.0	180.4	112.6
20°	1134.1	1075.1	1026.1	906.7	756.4	607.8	481.0	373.0	281.1	196.6	123.5
17.5°	1222.0	1127.4	1065.7	958.9	818.7	658.7	516.6	397.1	296.8	211.2	133.6
15°	1423.0	1178.7	1104.6	1004.9	869.4	706.8	552.3	420.4	311.1	224.2	142.5
12.5°	1606.9	1227.3	1145.4	1044.2	907.6	748.8	587.3	442.3	323.8	236.5	150.1
10°	1792.6	1274.5	1185.3	1082.4	940.2	785.2	620.9	465.0	339.7	248.2	156.8
7.5°	1996.3	1320.8	1222.6	1118.8	968.4	814.9	650.3	490.8	355.1	258.7	162.7
5°	2181.3	1363.5	1261.3	1159.5	997.0	838.3	675.4	514.5	369.1	267.9	167.7
2.5°	2310.9	1399.6	1299.5	1197.6	1021.6	857.2	696.5	535.8	381.6	275.6	171.8
0°	2407.4	1431.6	1334.2	1231.1	1042.0	871.8	713.9	554.1	392.4	281.8	174.9
-2.5°	2403.4	1458.4	1362.7	1263.4	1079.8	893.2	725.1	563.7	403.7	290.4	181.3
-5°	2362.3	1482.0	1388.5	1290.7	1111.5	909.8	732.6	570.2	412.9	297.2	186.6
-7.5°	2311.5	1508.5	1412.8	1312.7	1135.8	921.0	736.4	573.6	419.9	302.1	190.7
-10°	2227.7	1534.5	1435.3	1323.3	1140.8	927.6	737.6	574.2	424.6	305.1	193.6
-12.5°	2124.3	1558.3	1454.5	1327.6	1138.2	930.8	742.6	573.6	426.5	306.0	195.1
-15°	1986.7	1590.1	1478.0	1326.4	1130.6	929.6	742.1	569.6	423.1	303.8	195.1
-17.5°	1792.7	1614.0	1500.3	1321.8	1119.0	924.2	735.8	561.1	417.1	298.2	193.1
-20°	1769.6	1636.0	1512.7	1307.5	1102.6	912.7	723.5	548.0	408.7	290.6	189.4



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1785.7	1661.0	1506.8	1283.5	1082.6	895.7	705.8	530.6	397.6	281.2	184.5
-25°	1789.0	1684.9	1498.1	1270.5	1059.5	872.0	685.1	513.4	383.9	270.0	178.4
-27.5°	1787.7	1680.6	1484.6	1243.0	1034.1	842.8	662.2	501.3	372.7	256.9	170.9
-30°	1783.4	1635.4	1436.7	1203.0	998.9	809.8	635.6	486.3	360.2	246.4	162.3
-32.5°	1758.8	1584.9	1375.2	1157.7	957.1	772.7	606.1	468.0	344.9	237.5	156.8
-35°	1694.2	1516.3	1312.3	1105.6	911.0	736.7	577.3	446.4	326.8	226.5	152.2
-37.5°	1623.6	1431.1	1248.6	1048.6	860.4	696.4	550.6	423.0	306.0	213.3	146.9
-40°	1521.2	1338.2	1164.5	984.8	808.6	651.4	519.6	396.7	287.1	197.9	140.3
-42.5°	1414.0	1240.8	1075.6	909.5	753.0	610.8	484.8	366.8	267.0	186.2	132.4
-45°	1305.2	1140.4	982.9	835.4	693.4	565.4	447.1	334.6	244.2	175.8	126.4
-47.5°	1190.3	1037.1	892.3	756.4	636.9	515.5	403.4	305.7	219.0	163.7	124.0
-50°	1071.8	931.6	800.7	682.7	572.5	461.6	358.0	273.8	203.3	150.1	121.1
-52.5°	952.0	825.0	713.2	609.0	505.0	402.9	316.8	239.8	186.1	143.0	117.8
-55°	829.8	726.6	629.3	531.5	434.2	350.3	272.8	217.0	167.4	138.5	114.2
-57.5°	723.7	633.2	541.1	450.2	369.7	297.3	239.0	193.1	158.3	133.4	111.9
-60°	619.1	534.0	448.9	376.4	308.4	252.9	210.9	173.4	151.8	128.3	109.3
-62.5°	510.2	434.6	368.9	306.0	258.5	219.5	185.2	164.5	144.4	124.6	106.3
-65°	408.1	347.5	291.4	255.3	219.8	190.5	174.1	155.0	138.2	120.5	103.0
-67.5°	310.5	277.1	243.9	211.5	192.8	177.6	162.4	147.3	132.3	116.0	99.5
-70°	254.7	224.9	205.8	191.8	178.2	164.7	153.0	140.0	126.0	111.6	95.7
-72.5°	214.9	201.3	188.1	175.7	165.1	154.3	143.8	132.5	120.1	106.9	91.7
-75°	194.0	182.9	173.0	163.1	153.3	143.6	134.9	125.3	113.9	101.9	87.6
-77.5°	177.8	168.1	159.2	150.7	142.4	134.4	126.4	117.8	107.4	96.5	83.2
-80°	162.3	154.2	146.5	138.9	131.9	125.0	117.4	109.8	100.4	90.9	78.6
-82.5°	147.6	140.6	133.6	126.5	120.3	114.1	107.8	101.5	93.2	85.0	74.3
-85°	132.3	126.4	120.1	113.8	108.4	103.0	98.5	93.9	87.0	80.1	70.6
-87.5°	119.9	115.0	109.9	104.9	100.7	96.4	92.1	87.6	81.4	75.1	66.8
-90°	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.7	4.7	4.7	4.7



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	55.8	46.3	36.9	26.0	15.1	9.9	4.7
87.5°	5.0	4.9	4.9	4.9	4.9	4.8	4.7
85°	5.2	5.1	5.0	5.1	5.0	4.9	4.7
82.5°	5.5	5.3	5.2	5.3	5.2	5.1	4.7
80°	5.7	5.6	5.4	5.5	5.4	5.2	4.7
77.5°	6.0	5.8	5.6	5.7	5.5	5.3	4.7
75°	6.2	6.1	5.8	5.9	5.7	5.4	4.7
72.5°	6.5	6.4	6.2	6.1	5.9	5.6	4.7
70°	6.8	6.8	6.5	6.3	6.1	5.7	4.7
67.5°	7.4	7.1	6.8	6.5	6.3	5.8	4.7
65°	8.0	7.6	7.2	6.8	6.5	5.9	4.7
62.5°	8.6	8.1	7.5	7.0	6.7	6.1	4.7
60°	9.2	8.7	7.8	7.3	6.9	6.2	4.7
57.5°	10.7	9.3	8.4	7.5	7.1	6.3	4.7
55°	12.5	9.9	9.1	7.8	7.4	6.4	4.7
52.5°	14.4	10.7	9.8	8.0	7.7	6.6	4.7
50°	16.4	12.7	10.6	8.2	8.0	6.7	4.7
47.5°	18.7	14.8	11.4	8.5	8.4	6.8	4.7
45°	21.7	16.9	12.2	9.2	8.7	6.9	4.7
42.5°	24.8	19.1	13.1	9.9	9.1	7.0	4.7
40°	28.0	21.4	14.5	10.8	9.5	7.1	4.7
37.5°	31.6	23.7	16.2	11.9	10.0	7.3	4.7
35°	35.2	26.4	18.0	13.1	10.4	7.4	4.7
32.5°	39.9	29.3	19.8	14.3	10.9	7.5	4.7
30°	46.9	32.2	21.6	15.5	11.3	7.6	4.7
27.5°	53.8	35.1	23.9	16.8	11.8	7.7	4.7
25°	60.6	37.9	26.2	18.1	12.3	7.8	4.7
22.5°	67.3	40.8	28.4	19.4	12.8	7.9	4.7
20°	73.8	43.9	30.5	20.7	13.3	8.0	4.7
17.5°	79.7	46.8	32.6	22.0	13.8	8.1	4.7
15°	85.0	49.7	34.6	23.3	14.3	8.1	4.7
12.5°	89.9	52.3	36.4	24.5	14.8	8.2	4.7
10°	94.2	54.9	38.2	25.8	15.3	8.3	4.7
7.5°	98.1	57.3	39.9	27.0	15.8	8.3	4.7
5°	101.5	59.5	41.5	28.2	16.2	8.4	4.7
2.5°	104.4	61.5	43.0	29.3	16.6	8.5	4.7
0°	106.8	63.4	44.4	30.3	17.0	8.5	4.7
-2.5°	110.2	66.0	46.3	31.6	17.9	8.9	4.7
-5°	113.1	68.4	48.2	32.9	18.8	9.2	4.7
-7.5°	115.5	70.7	49.9	34.1	19.6	9.6	4.7
-10°	117.3	72.7	51.5	35.1	20.3	9.9	4.7
-12.5°	118.5	74.5	52.9	36.1	21.1	10.2	4.7
-15°	119.1	76.0	54.2	37.1	21.7	10.5	4.7
-17.5°	119.0	77.3	55.3	37.9	22.4	10.8	4.7
-20°	118.5	78.4	56.3	38.6	22.9	11.1	4.7



REPORT NUMBER: P731553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	117.6	79.2	57.1	39.2	23.5	11.4	4.7
-25°	116.0	79.9	57.8	39.8	23.9	11.6	4.7
-27.5°	113.7	80.4	58.3	40.2	24.3	11.8	4.7
-30°	110.7	80.6	58.7	40.6	24.6	12.0	4.7
-32.5°	107.0	80.7	59.1	40.9	24.9	12.2	4.7
-35°	105.5	80.4	59.4	41.0	25.1	12.3	4.7
-37.5°	104.9	80.1	59.5	41.1	25.2	12.5	4.7
-40°	104.0	80.1	59.5	41.1	25.3	12.6	4.7
-42.5°	102.7	79.9	59.5	41.0	25.2	12.7	4.7
-45°	101.1	79.4	59.4	40.9	25.2	12.7	4.7
-47.5°	99.1	78.8	59.2	40.8	25.0	12.7	4.7
-50°	97.8	78.0	58.8	40.6	24.8	12.8	4.7
-52.5°	96.4	76.9	58.3	40.3	24.5	12.7	4.7
-55°	94.7	75.9	57.6	39.9	24.1	12.7	4.7
-57.5°	92.8	74.6	56.8	39.4	23.7	12.6	4.7
-60°	90.7	73.1	55.8	38.7	23.2	12.5	4.7
-62.5°	88.4	71.4	54.7	38.0	22.8	12.4	4.7
-65°	85.9	69.5	53.5	37.1	22.4	12.3	4.7
-67.5°	83.1	67.5	52.1	36.2	21.9	12.1	4.7
-70°	80.1	65.3	50.6	35.1	21.3	11.9	4.7
-72.5°	77.0	62.9	48.9	34.2	20.7	11.7	4.7
-75°	73.8	60.4	47.1	33.3	20.0	11.5	4.7
-77.5°	70.4	57.7	45.6	32.2	19.3	11.3	4.7
-80°	66.8	55.4	44.0	31.1	18.5	11.0	4.7
-82.5°	64.1	53.3	42.4	30.0	17.7	10.8	4.7
-85°	61.4	51.1	40.7	28.7	16.9	10.5	4.7
-87.5°	58.7	48.8	38.8	27.4	16.0	10.2	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(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

