

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: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-2S-VHE**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731457 (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: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-70-2S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

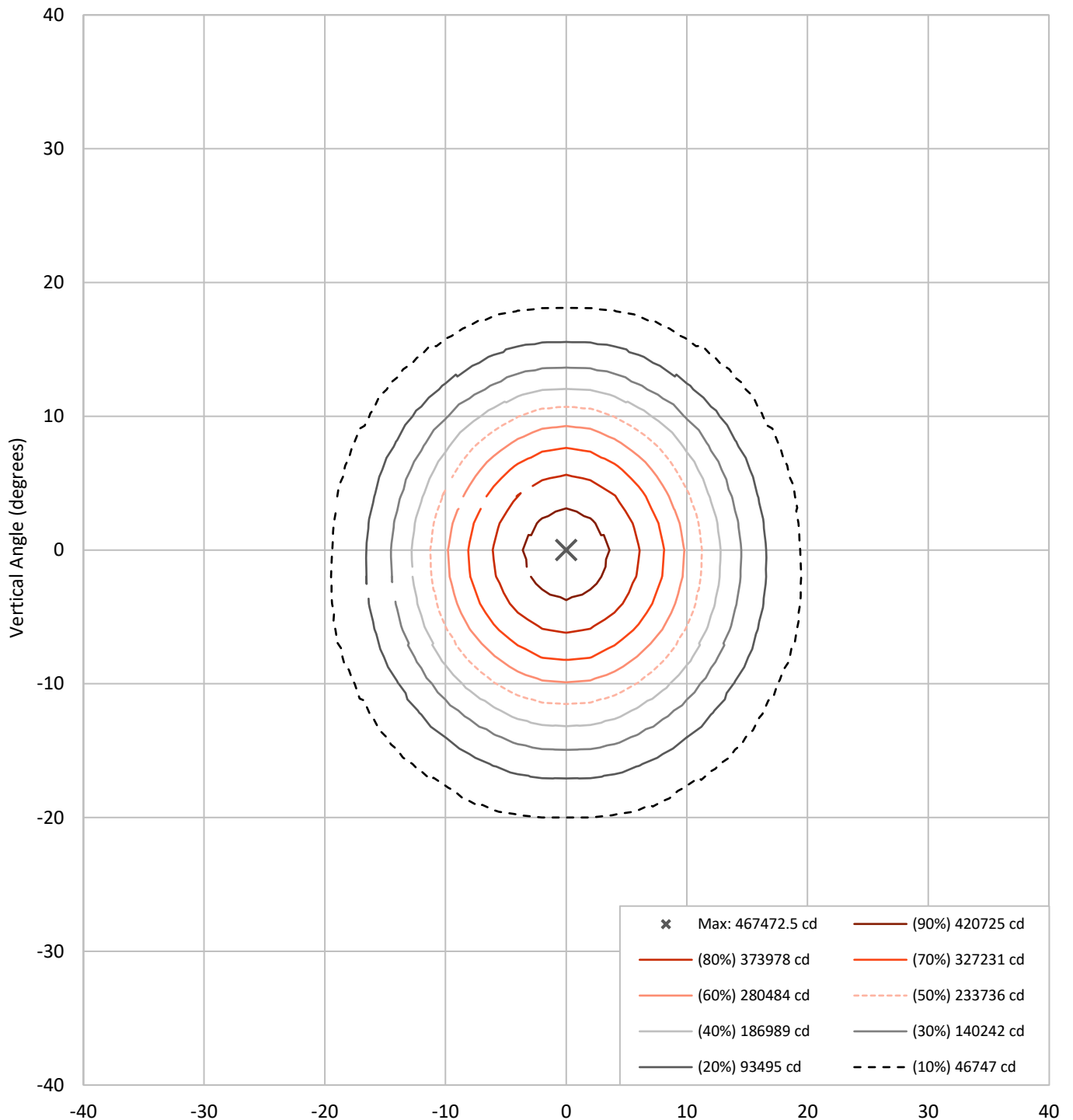
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	81707.2 lumens	Max Intensity:	467472.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	145.5 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:	38180.5 lumens	Field Lumens:	68017.7 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: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

Iso-Candela Plot





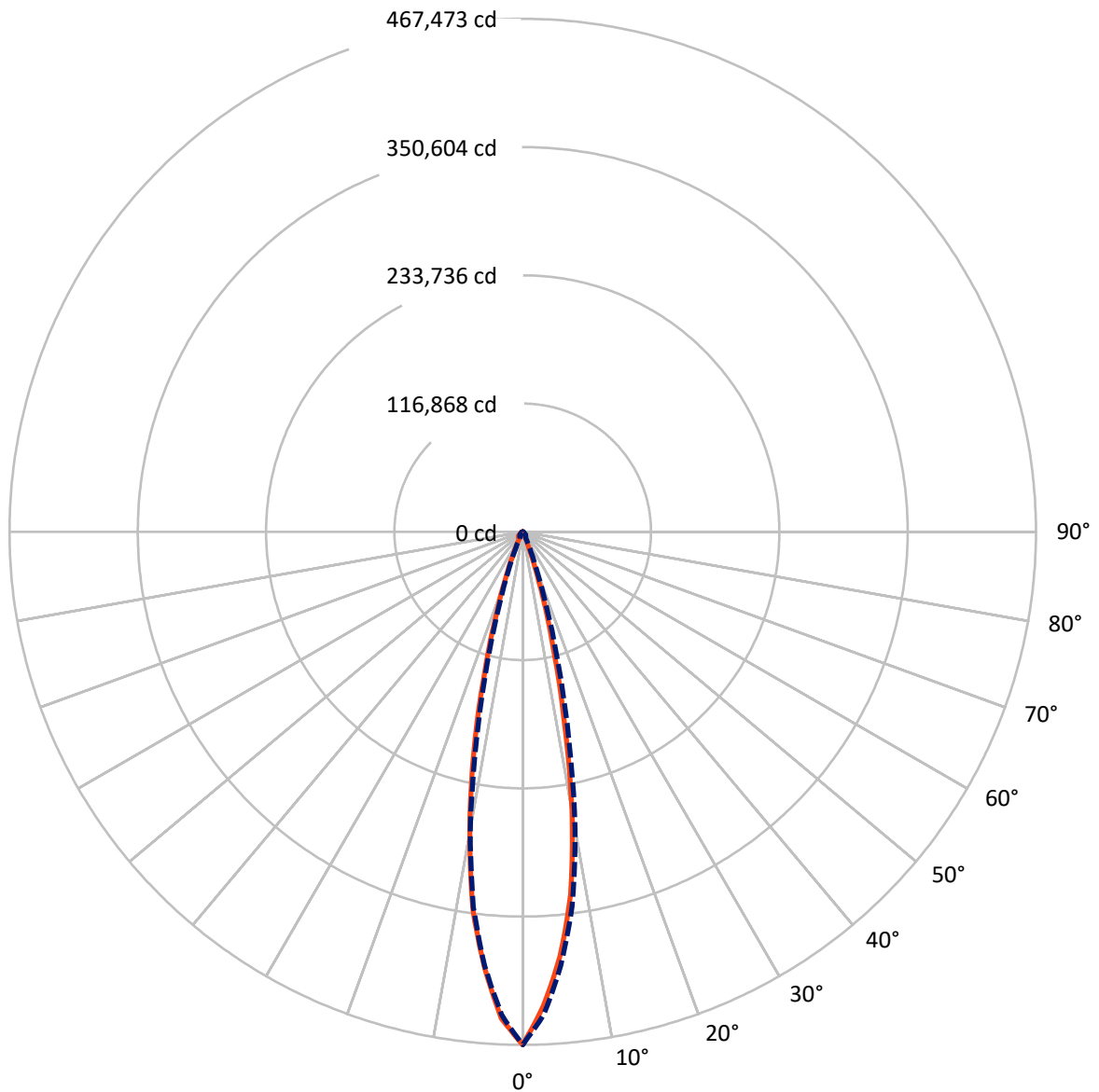
REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

Lumen Table

90	0.2		0.7		1.2		1.7		2.1		1.7		1.2		0.7		0.2	
80	0.2		0.1	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	
70	0.2		0.3	0.7	1.0	0.8	0.7	0.8	0.9	0.9	0.8	0.7	0.8	1.0	0.7	0.3	0.2	
60	0.6		1.0	2.4	4.9	8.6	14.1	21.6	25.4	25.4	21.6	14.1	8.6	4.9	2.4	1.0	0.6	
50	0.6		2.5	8.0	15.5	30.4	53.0	64.4	71.3	71.3	64.4	53.0	30.4	15.5	8.0	2.5	0.6	
40	1.6		4.4	13.3	28.4	69.4	80.8	111.4	203.5	203.5	111.4	80.8	69.4	28.4	13.3	4.4	1.6	
30	1.6		5.8	17.4	49.8	97.9	143.8	912.3	2942.7	2942.7	912.3	143.8	97.9	49.8	17.4	5.8	1.6	
20	2.4		7.0	20.0	65.0	112.1	321.6	3232.1	9716.3	9716.3	3232.1	321.6	112.1	65.0	20.0	7.0	2.4	
10	2.4		7.7	22.1	68.6	123.4	368.8	3520.0	10104.6	10104.6	3520.0	368.8	123.4	68.6	22.1	7.7	2.4	
0	2.6		7.8	23.0	66.2	129.8	211.1	1290.0	3779.2	3779.2	1290.0	211.1	129.8	66.2	23.0	7.8	2.6	
-10	2.6		7.2	22.6	50.6	122.4	167.8	233.1	466.3	466.3	233.1	167.8	122.4	50.6	22.6	7.2	2.6	
-20	2.1		6.1	19.8	39.6	85.6	150.7	176.5	185.1	185.1	176.5	150.7	85.6	39.6	19.8	6.1	2.1	
-30	2.1		4.7	15.0	32.0	51.0	78.5	119.3	149.8	149.8	119.3	78.5	51.0	32.0	15.0	4.7	2.1	
-40	1.7		3.0	9.5	21.0	35.7	48.4	57.7	63.7	63.7	57.7	48.4	35.7	21.0	9.5	3.0	1.7	
-50	1.7		2.1	4.8	10.5	18.2	25.6	32.2	36.3	36.3	32.2	25.6	18.2	10.5	4.8	2.1	1.7	
-60	1.2		7.5		18.1		30.3		37.1		30.3		18.1		7.5		1.2	
-70	1.2		7.5		18.1		30.3		37.1		30.3		18.1		7.5		1.2	
-80	1.2		7.5		18.1		30.3		37.1		30.3		18.1		7.5		1.2	
-90	1.2		7.5		18.1		30.3		37.1		30.3		18.1		7.5		1.2	

REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

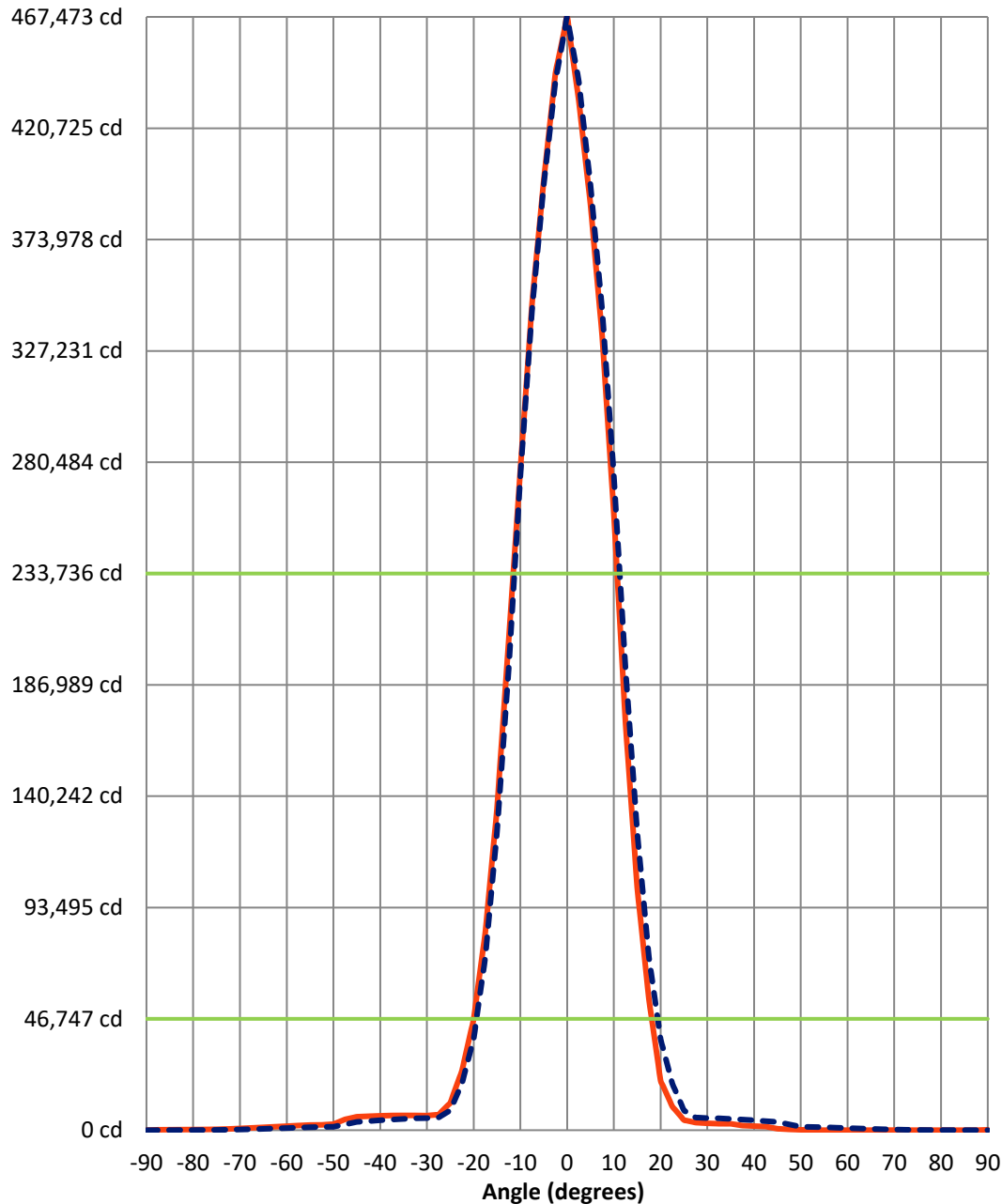
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

Luminous Intensity Plot



Beam:
 H Angle: 22.5°
 V Angle: 22.2°
 Lumens: 38180.5
 Efficiency: 46.7%

Field:
 H Angle: 38.8°
 V Angle: 38.1°
 Lumens: 68017.7
 Efficiency: 83.2%

Spill:
 Lumens: 13689.6
 Efficiency: 16.8%

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



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.8	10.0	15.3	26.2	37.2	46.7	56.3	63.5	70.6	76.3	82.0
87.5°	4.8	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.8	4.8
85°	4.8	5.0	5.1	5.2	5.1	5.2	5.3	5.1	4.8	4.8	4.8
82.5°	4.8	5.2	5.3	5.4	5.3	5.4	5.5	5.2	4.9	5.0	5.0
80°	4.8	5.3	5.5	5.5	5.4	5.6	5.7	5.6	5.5	5.6	5.5
77.5°	4.8	5.4	5.6	5.7	5.6	5.8	6.0	6.0	6.2	6.1	5.9
75°	4.8	5.5	5.8	5.9	5.8	6.1	6.3	6.4	6.7	6.6	6.4
72.5°	4.8	5.7	6.0	6.1	6.2	6.5	6.6	6.8	7.1	7.0	6.8
70°	4.8	5.8	6.2	6.3	6.5	6.8	6.9	7.3	7.5	7.4	7.3
67.5°	4.8	5.9	6.4	6.6	6.8	7.2	7.5	7.8	7.9	8.1	7.9
65°	4.8	6.0	6.6	6.8	7.2	7.6	8.1	8.3	8.9	8.8	8.8
62.5°	4.8	6.2	6.8	7.1	7.5	8.2	8.7	9.3	10.0	9.8	10.2
60°	4.8	6.3	7.0	7.3	7.8	8.8	9.3	10.7	11.2	11.8	12.0
57.5°	4.8	6.4	7.2	7.6	8.5	9.4	10.8	12.2	13.6	14.2	16.0
55°	4.8	6.5	7.5	7.8	9.2	10.0	12.6	13.9	16.4	17.7	21.4
52.5°	4.8	6.7	7.8	8.1	9.9	10.8	14.5	16.9	19.4	24.3	27.4
50°	4.8	6.8	8.1	8.3	10.7	12.8	16.5	20.1	23.7	31.5	39.2
47.5°	4.8	6.9	8.5	8.6	11.5	14.9	18.8	23.5	31.0	39.4	53.3
45°	4.8	7.0	8.8	9.3	12.4	17.0	21.8	27.0	39.1	53.5	68.6
42.5°	4.8	7.1	9.2	10.0	13.3	19.3	24.9	32.9	47.7	68.7	93.3
40°	4.8	7.2	9.7	10.9	14.6	21.6	28.3	40.8	58.8	84.9	121.4
37.5°	4.8	7.4	10.1	12.1	16.4	23.9	31.8	48.9	74.6	105.9	151.4
35°	4.8	7.5	10.5	13.2	18.2	26.6	35.5	57.3	91.2	133.9	185.0
32.5°	4.8	7.6	11.0	14.4	20.0	29.6	40.2	66.0	108.5	162.4	220.7
30°	4.8	7.7	11.5	15.7	21.8	32.5	47.3	76.0	126.5	191.2	254.7
27.5°	4.8	7.8	12.0	17.0	24.1	35.4	54.3	89.3	144.9	220.2	286.8
25°	4.8	7.9	12.5	18.2	26.4	38.3	61.2	101.8	164.2	247.7	317.4
22.5°	4.8	8.0	13.0	19.6	28.7	41.2	67.9	113.6	182.0	266.3	350.5
20°	4.8	8.1	13.5	20.9	30.8	44.3	74.4	124.6	198.3	283.6	376.3
17.5°	4.8	8.2	14.0	22.2	32.9	47.2	80.4	134.8	213.0	299.4	400.7
15°	4.8	8.2	14.5	23.5	34.9	50.1	85.8	143.8	226.2	313.8	424.2
12.5°	4.8	8.3	15.0	24.7	36.8	52.8	90.7	151.5	238.6	326.7	446.3
10°	4.8	8.4	15.5	26.0	38.6	55.3	95.1	158.3	250.4	342.7	469.2
7.5°	4.8	8.4	15.9	27.2	40.3	57.7	99.0	164.2	261.0	358.2	495.3
5°	4.8	8.5	16.4	28.4	41.9	59.9	102.4	169.2	270.3	372.4	519.2
2.5°	4.8	8.6	16.8	29.5	43.4	62.0	105.4	173.3	278.1	385.1	540.6
0°	4.8	8.6	17.2	30.5	44.8	63.9	107.8	176.5	284.3	395.9	559.1
-2.5°	4.8	9.0	18.1	31.8	46.8	66.6	111.3	182.9	293.0	407.3	568.8
-5°	4.8	9.3	19.0	33.1	48.6	69.0	114.2	188.3	299.9	416.6	575.3
-7.5°	4.8	9.7	19.8	34.3	50.3	71.3	116.5	192.5	304.8	423.7	578.8
-10°	4.8	10.0	20.6	35.4	51.9	73.3	118.3	195.4	307.8	428.4	579.4
-12.5°	4.8	10.4	21.3	36.4	53.4	75.1	119.5	196.9	308.8	430.3	578.7
-15°	4.8	10.7	22.0	37.3	54.7	76.7	120.1	196.9	306.5	426.8	574.7
-17.5°	4.8	11.0	22.6	38.2	55.8	78.0	120.1	194.8	300.8	420.9	566.2
-20°	4.8	11.2	23.2	38.9	56.8	79.1	119.6	191.2	293.2	412.3	552.9



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.8	11.5	23.7	39.6	57.6	79.9	118.7	186.2	283.8	401.2	535.3
-25°	4.8	11.7	24.2	40.1	58.3	80.6	117.1	180.0	272.4	387.4	518.0
-27.5°	4.8	12.0	24.6	40.6	58.8	81.1	114.7	172.5	259.1	376.1	505.8
-30°	4.8	12.2	24.9	40.9	59.1	81.4	111.7	163.7	248.5	363.4	490.7
-32.5°	4.8	12.3	25.2	41.2	59.6	81.4	107.9	158.3	239.6	347.9	472.2
-35°	4.8	12.5	25.4	41.4	59.9	81.1	106.4	153.6	228.5	329.7	450.4
-37.5°	4.8	12.6	25.5	41.5	60.0	80.8	105.8	148.2	215.2	308.7	426.8
-40°	4.8	12.7	25.5	41.4	60.0	80.8	104.9	141.5	199.7	289.7	400.2
-42.5°	4.8	12.8	25.5	41.4	60.0	80.6	103.6	133.6	187.9	269.4	370.1
-45°	4.8	12.9	25.4	41.4	59.9	80.1	102.0	127.5	177.3	246.3	337.5
-47.5°	4.8	12.9	25.3	41.2	59.7	79.5	100.0	125.1	165.2	220.9	308.4
-50°	4.8	12.9	25.1	41.0	59.4	78.7	98.6	122.2	151.5	205.1	276.3
-52.5°	4.8	12.9	24.8	40.7	58.8	77.6	97.2	118.9	144.3	187.7	242.0
-55°	4.8	12.9	24.4	40.3	58.2	76.6	95.5	115.3	139.8	168.9	219.0
-57.5°	4.8	12.8	24.0	39.8	57.3	75.3	93.6	112.9	134.7	159.8	194.8
-60°	4.8	12.7	23.5	39.1	56.4	73.8	91.5	110.3	129.5	153.1	175.0
-62.5°	4.8	12.6	23.1	38.4	55.3	72.1	89.2	107.2	125.8	145.7	166.0
-65°	4.8	12.4	22.7	37.5	54.0	70.2	86.7	103.9	121.6	139.5	156.4
-67.5°	4.8	12.3	22.1	36.6	52.6	68.1	83.9	100.4	117.0	133.5	148.6
-70°	4.8	12.1	21.6	35.5	51.1	65.9	80.9	96.6	112.6	127.1	141.2
-72.5°	4.8	11.9	20.9	34.6	49.4	63.5	77.8	92.6	107.8	121.1	133.6
-75°	4.8	11.7	20.3	33.6	47.6	60.9	74.5	88.4	102.8	114.9	126.4
-77.5°	4.8	11.5	19.5	32.6	46.1	58.2	71.0	84.0	97.4	108.3	118.9
-80°	4.8	11.2	18.7	31.5	44.5	55.9	67.4	79.3	91.7	101.3	110.8
-82.5°	4.8	10.9	17.9	30.3	42.8	53.8	64.7	75.0	85.8	94.1	102.4
-85°	4.8	10.7	17.1	29.0	41.0	51.5	62.0	71.3	80.8	87.8	94.7
-87.5°	4.8	10.4	16.2	27.7	39.2	49.2	59.2	67.4	75.8	82.1	88.4
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	86.3	90.6	94.5	98.3	102.6	106.9	111.7	116.4	121.2	125.9	129.8
87.5°	4.5	4.3	4.3	4.4	4.1	3.8	3.8	3.8	3.4	2.9	2.9
85°	4.8	4.8	4.8	4.8	4.4	4.1	4.0	3.8	3.6	3.4	3.4
82.5°	5.1	5.2	5.1	4.8	4.7	4.7	4.4	4.0	4.0	4.1	4.0
80°	5.6	5.7	5.4	5.1	5.0	4.8	4.7	4.6	4.7	4.8	4.5
77.5°	5.9	5.8	5.6	5.6	5.4	5.1	5.1	5.3	5.2	4.9	4.8
75°	6.2	5.9	5.8	5.8	5.6	5.6	5.7	5.7	5.5	5.4	5.3
72.5°	6.6	6.4	6.2	5.9	5.9	5.8	5.7	5.7	6.6	8.0	9.0
70°	7.1	6.9	6.7	6.5	6.4	6.4	7.5	9.7	12.1	13.9	16.4
67.5°	7.6	7.6	7.3	7.3	7.8	8.9	10.6	16.9	23.3	25.5	26.7
65°	8.5	8.3	8.3	8.9	9.4	14.3	20.6	28.0	35.9	37.4	35.9
62.5°	9.6	10.6	10.3	12.0	16.3	22.2	30.2	38.7	47.7	45.6	38.0
60°	13.1	13.8	15.3	19.0	23.9	30.6	39.5	43.1	46.9	47.6	36.9
57.5°	17.8	19.7	23.3	27.2	33.7	37.4	38.8	38.9	44.3	44.6	33.9
55°	24.7	28.0	33.5	38.1	42.3	38.2	38.2	41.7	43.5	40.2	30.1
52.5°	35.5	39.0	47.6	51.1	48.8	45.4	44.6	47.6	45.8	40.9	34.8
50°	47.5	57.7	63.4	66.2	60.8	60.2	55.3	58.1	59.8	57.2	59.8
47.5°	66.9	79.3	83.9	88.0	83.7	88.4	83.7	97.3	97.6	131.2	135.1
45°	90.5	107.2	112.6	122.3	129.7	134.0	160.6	162.4	233.7	261.7	321.8
42.5°	118.1	139.9	158.9	163.7	208.7	230.1	267.7	336.6	402.5	459.1	491.2
40°	153.5	176.7	216.5	260.8	311.9	362.2	418.3	499.1	568.7	599.2	615.4
37.5°	192.3	237.0	289.9	364.1	440.0	497.8	564.4	640.4	686.7	702.8	706.6
35°	233.9	298.4	386.9	464.8	546.2	623.8	686.0	758.6	774.2	787.1	858.6
32.5°	284.6	359.7	464.1	551.6	633.9	722.9	785.7	828.7	853.5	900.7	1133.9
30°	335.4	423.5	526.8	619.7	715.8	800.4	860.3	902.0	930.3	1153.3	1637.5
27.5°	377.1	478.3	581.0	689.0	795.2	880.0	937.5	975.5	1140.2	1509.8	2255.5
25°	415.0	521.4	635.3	765.5	877.2	955.7	1014.7	1052.3	1420.6	2175.5	2692.6
22.5°	450.6	563.1	696.6	846.4	958.9	1025.5	1082.2	1286.2	1844.0	2850.0	3128.1
20°	485.3	613.2	763.2	914.9	1035.4	1084.8	1144.3	1548.4	2388.5	3109.6	3414.2
17.5°	521.3	664.7	826.1	967.6	1075.3	1137.5	1232.9	1802.8	2848.3	3336.8	3557.2
15°	557.3	713.1	877.3	1013.9	1114.6	1189.3	1435.8	2167.2	3133.1	3586.6	3794.2
12.5°	592.6	755.6	915.7	1053.7	1155.7	1238.4	1621.3	2543.8	3390.5	3831.9	4106.6
10°	626.5	792.3	948.6	1092.1	1196.0	1286.0	1808.7	2912.1	3622.9	3991.8	4222.1
7.5°	656.2	822.3	977.1	1128.9	1233.7	1332.7	2014.2	3156.4	3721.8	4093.4	4280.6
5°	681.5	845.9	1005.9	1169.9	1272.7	1375.7	2200.9	3317.6	3759.4	4156.1	4341.8
2.5°	702.8	864.9	1030.8	1208.4	1311.2	1412.1	2331.6	3419.7	3784.9	4180.1	4401.9
0°	720.3	879.6	1051.4	1242.2	1346.2	1444.4	2429.0	3469.0	3793.3	4171.1	4458.3
-2.5°	731.6	901.2	1089.5	1274.8	1375.0	1471.5	2424.9	3497.9	3803.7	4219.3	4676.4
-5°	739.2	918.0	1121.5	1302.3	1401.0	1495.3	2383.5	3476.8	3826.7	4292.6	4818.8
-7.5°	743.0	929.3	1146.1	1324.5	1425.5	1522.0	2332.3	3427.8	3944.3	4443.1	4908.3
-10°	744.3	936.0	1151.1	1335.2	1448.3	1548.3	2247.8	3325.1	4037.2	4506.2	4934.2
-12.5°	749.3	939.1	1148.4	1339.5	1467.6	1572.3	2143.4	3257.0	4162.0	4545.1	4924.8
-15°	748.8	937.9	1140.8	1338.3	1491.3	1604.5	2004.6	3096.3	4238.1	4553.9	4899.5
-17.5°	742.4	932.5	1129.0	1333.7	1513.8	1628.5	1808.9	2765.7	4020.7	4515.3	4869.5
-20°	730.0	920.9	1112.6	1319.3	1526.4	1650.8	1785.5	2476.3	3573.3	4413.2	4813.0



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	712.1	903.8	1092.4	1295.1	1520.4	1675.9	1801.7	2194.8	3131.4	4261.8	4721.5
-25°	691.2	879.8	1069.0	1281.9	1511.6	1700.0	1805.1	1933.2	2747.1	3760.7	4563.8
-27.5°	668.1	850.3	1043.4	1254.2	1498.0	1695.7	1803.8	1924.6	2337.7	3144.3	4312.6
-30°	641.2	817.1	1007.9	1213.8	1449.7	1650.1	1799.5	1899.4	2025.6	2660.9	3657.2
-32.5°	611.6	779.6	965.7	1168.1	1387.6	1599.1	1774.6	1879.3	1990.0	2207.5	3010.6
-35°	582.5	743.3	919.2	1115.5	1324.1	1529.9	1709.5	1858.1	1951.1	2073.4	2439.9
-37.5°	555.5	702.7	868.1	1058.0	1259.8	1443.9	1638.2	1799.2	1926.5	2015.2	2163.4
-40°	524.3	657.3	815.9	993.6	1175.0	1350.2	1534.9	1716.1	1872.4	1989.2	2077.6
-42.5°	489.2	616.3	759.8	917.6	1085.2	1252.0	1426.7	1606.2	1777.7	1931.7	2041.3
-45°	451.1	570.5	699.7	843.0	991.7	1150.7	1317.0	1486.8	1657.1	1826.9	1962.0
-47.5°	407.0	520.2	642.7	763.2	900.3	1046.4	1201.0	1360.6	1518.2	1682.0	1837.6
-50°	361.2	465.8	577.7	688.9	807.9	939.9	1081.5	1230.6	1380.0	1531.3	1681.3
-52.5°	319.6	406.5	509.6	614.5	719.6	832.5	960.6	1096.6	1237.6	1380.3	1511.5
-55°	275.3	353.4	438.1	536.3	635.0	733.1	837.3	960.4	1088.1	1220.5	1338.2
-57.5°	241.1	300.0	373.0	454.2	546.0	638.9	730.3	822.7	936.8	1054.5	1153.4
-60°	212.8	255.3	311.2	379.8	452.9	538.8	624.7	710.5	798.8	883.0	974.4
-62.5°	186.8	221.5	260.9	308.8	372.2	438.4	514.7	593.9	674.7	747.3	814.5
-65°	175.7	192.3	221.8	257.6	294.0	350.6	411.7	474.0	544.2	608.4	669.0
-67.5°	163.9	179.2	194.5	213.4	246.1	279.6	313.3	368.3	423.3	473.0	522.4
-70°	154.4	166.2	179.8	193.5	207.6	226.9	257.0	288.1	319.2	353.5	395.2
-72.5°	145.1	155.7	166.5	177.2	189.8	203.1	216.9	231.0	252.5	278.9	302.8
-75°	136.1	144.9	154.7	164.6	174.5	184.6	195.8	208.8	221.7	234.5	246.6
-77.5°	127.5	135.6	143.7	152.1	160.7	169.6	179.4	189.7	200.3	210.8	220.1
-80°	118.5	126.1	133.0	140.1	147.9	155.6	163.8	172.2	181.5	191.2	199.6
-82.5°	108.7	115.1	121.4	127.7	134.8	141.9	148.9	155.9	163.6	171.4	178.4
-85°	99.4	103.9	109.3	114.8	121.2	127.5	133.5	139.4	146.1	152.7	158.1
-87.5°	92.9	97.3	101.6	105.9	111.0	116.0	121.0	125.8	131.3	136.8	141.1
-90°	4.3	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.4	2.9	2.9



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	133.6	136.5	139.3	140.8	142.2	145.1	147.9	152.2	156.5	161.3	166.0
87.5°	2.9	2.9	2.9	2.8	2.8	2.4	1.9	1.9	1.9	1.9	1.9
85°	3.5	3.5	3.6	3.3	2.9	2.8	2.8	2.8	2.8	2.4	1.9
82.5°	3.8	3.8	3.8	3.7	3.6	3.3	2.9	2.9	2.9	2.9	2.9
80°	4.1	4.0	3.8	3.8	3.8	3.7	3.6	3.3	2.9	3.3	3.7
77.5°	4.8	4.5	4.2	4.1	3.9	3.6	3.2	3.0	2.9	2.9	3.0
75°	5.0	5.1	5.7	5.8	5.6	5.1	4.4	4.3	4.4	4.2	3.8
72.5°	9.7	10.2	10.5	11.4	11.9	12.5	13.5	15.4	17.5	19.5	21.5
70°	19.5	22.2	22.9	22.9	22.9	23.5	24.5	25.7	27.2	28.5	29.5
67.5°	30.1	32.4	32.7	33.2	32.4	31.1	29.8	29.8	31.5	33.5	35.7
65°	36.6	34.2	32.4	32.0	31.4	29.9	27.4	25.5	25.1	24.7	24.8
62.5°	32.9	28.1	26.5	26.2	24.7	22.8	19.5	16.7	15.3	14.5	14.6
60°	28.5	23.0	19.6	18.0	15.7	13.4	11.3	9.2	8.6	8.3	8.4
57.5°	23.5	17.5	13.5	12.9	11.1	8.8	7.2	5.7	5.5	5.5	5.8
55°	21.6	18.4	15.4	14.4	12.3	11.2	9.7	7.7	7.2	7.7	8.5
52.5°	27.9	26.2	24.8	24.9	27.4	25.4	18.9	26.6	30.9	30.9	29.5
50°	61.3	55.1	78.6	75.7	94.6	107.2	97.3	109.2	126.3	138.4	146.8
47.5°	174.9	181.3	209.4	233.8	253.5	275.6	297.9	311.4	314.8	337.1	352.4
45°	352.1	373.3	404.6	420.4	451.4	488.0	513.7	525.2	592.7	676.5	730.7
42.5°	511.1	527.4	552.0	607.9	664.5	790.0	933.9	938.9	1068.9	1184.0	1301.8
40°	622.2	652.9	740.5	873.1	1179.1	1417.9	1587.8	1754.3	1782.1	1728.0	1757.5
37.5°	766.1	875.7	1097.8	1455.4	1720.2	1960.0	2056.6	2069.1	2102.8	2123.9	2090.4
35°	1037.3	1402.6	1586.7	1890.8	2083.4	2130.1	2159.4	2188.2	2215.7	2234.5	2255.0
32.5°	1631.2	2083.7	2108.0	2186.1	2222.1	2263.7	2294.6	2312.6	2325.1	2341.6	2397.5
30°	2269.6	2375.0	2383.8	2377.5	2389.9	2417.9	2438.1	2471.1	2504.0	2541.8	2665.6
27.5°	2567.8	2648.5	2623.3	2580.3	2559.0	2581.2	2636.3	2687.6	2783.0	2883.5	3061.3
25°	2897.8	2951.2	2920.6	2844.1	2796.2	2827.8	2910.6	3008.4	3191.0	3351.9	3679.0
22.5°	3251.2	3350.6	3318.5	3295.7	3194.7	3209.9	3275.2	3495.9	3952.6	4675.5	6176.8
20°	3525.2	3646.7	3662.2	3662.7	3641.4	3647.7	3799.4	4511.2	5846.3	10041.9	13761.2
17.5°	3728.4	3799.7	3885.3	3920.4	3962.0	4083.4	4892.8	7355.3	13121.1	20837.7	26746.8
15°	3991.8	4083.0	4175.7	4234.4	4328.4	4996.0	7065.9	14628.7	25113.6	38210.8	54951.3
12.5°	4202.7	4315.1	4388.6	4435.2	4652.0	6408.2	13609.7	24497.2	40856.1	61179.7	91328.9
10°	4319.3	4407.0	4507.3	4668.5	5552.3	9295.3	19192.6	34424.8	59572.0	96179.9	136335.9
7.5°	4377.4	4490.8	4658.7	4903.5	6571.7	13569.5	26700.4	48590.6	82938.1	128522.2	184473.4
5°	4445.0	4654.6	4854.5	5134.8	7363.3	16655.6	32668.4	60672.4	103310.8	159074.1	228174.2
2.5°	4554.2	4869.6	4998.3	5267.6	7840.2	18642.4	36227.3	70122.2	118523.7	184005.4	261586.8
0°	4726.4	4988.8	5066.0	5337.0	8320.3	19624.9	38317.8	72713.4	125300.1	193714.5	274746.4
-2.5°	4921.0	5084.8	5170.5	5472.5	8561.4	20627.4	39962.5	74454.5	123686.2	190480.3	269802.5
-5°	5047.9	5178.0	5261.0	5556.2	8534.9	19624.9	38124.8	69335.5	114251.0	173992.6	244912.3
-7.5°	5134.3	5269.7	5356.6	5627.1	8030.4	16959.9	33673.6	59766.2	97093.6	146089.6	207346.3
-10°	5218.7	5366.6	5480.5	5694.1	7107.5	12947.1	26430.1	45089.2	75933.3	114917.1	160716.9
-12.5°	5294.8	5477.6	5624.0	5722.4	6240.6	9847.8	19422.9	34488.3	54656.1	83756.9	117271.9
-15°	5333.3	5551.9	5715.9	5824.3	6124.8	7786.7	12577.3	22821.5	38158.6	56209.2	78017.6
-17.5°	5267.0	5593.0	5750.8	5870.2	5969.0	6396.1	8871.9	14008.7	23588.0	35412.6	46065.9
-20°	5161.4	5597.6	5776.2	5937.0	6049.3	6165.7	6481.1	8921.2	12818.3	20072.6	27172.9



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5072.2	5477.7	5850.6	6024.3	6153.6	6162.1	6171.8	6465.5	7987.2	10431.3	14187.4
-25°	5010.3	5394.1	5827.9	6097.0	6186.5	6189.7	6140.9	6086.4	6258.9	6432.3	7804.7
-27.5°	4905.6	5321.9	5729.7	6057.8	6190.5	6186.0	6148.9	6112.5	6052.7	6013.7	6161.8
-30°	4777.5	5195.8	5575.6	5905.6	6102.2	6162.6	6137.3	6110.2	6091.7	6078.7	6052.2
-32.5°	4095.1	5041.0	5360.9	5660.3	5940.9	6063.8	6118.5	6105.9	6089.2	6082.1	6086.8
-35°	3345.0	4321.5	5152.1	5365.5	5609.0	5853.6	6026.2	6065.2	6082.5	6079.5	6087.0
-37.5°	2564.8	3444.6	4260.6	4942.7	5235.8	5490.1	5740.9	5907.1	6006.8	6024.1	6047.6
-40°	2210.5	2459.2	3232.2	3917.8	4488.1	5013.2	5278.8	5566.0	5790.0	5880.2	5927.6
-42.5°	2116.8	2215.6	2317.2	2820.0	3410.5	3911.0	4406.9	4899.8	5308.9	5540.3	5690.9
-45°	2076.0	2131.1	2189.7	2270.7	2343.2	2765.9	3221.2	3701.5	4239.2	4640.8	5014.9
-47.5°	1957.2	2068.1	2124.1	2158.4	2184.0	2239.7	2289.6	2424.9	2872.4	3224.3	3614.7
-50°	1800.0	1912.8	2004.3	2085.6	2113.4	2126.3	2141.3	2186.3	2257.7	2309.7	2388.3
-52.5°	1617.9	1723.8	1825.8	1912.9	1975.1	2028.7	2079.8	2115.3	2144.2	2174.3	2202.8
-55°	1444.0	1534.1	1621.5	1703.3	1777.5	1839.3	1900.2	1958.0	2012.4	2063.4	2111.1
-57.5°	1253.2	1343.2	1423.6	1497.0	1560.2	1611.7	1671.8	1735.7	1795.4	1848.4	1900.1
-60°	1060.6	1142.5	1219.4	1288.8	1346.7	1392.2	1450.6	1507.8	1562.4	1611.8	1655.1
-62.5°	879.5	949.5	1015.7	1077.0	1131.8	1180.7	1229.6	1278.6	1330.3	1376.5	1417.3
-65°	726.5	782.4	829.4	873.1	909.9	954.1	1001.2	1045.1	1090.6	1133.4	1172.4
-67.5°	572.8	620.1	659.6	697.3	728.2	759.2	794.3	827.7	859.8	893.0	925.5
-70°	432.2	465.6	490.4	516.4	546.7	575.0	603.3	631.6	658.4	687.6	717.8
-72.5°	322.6	338.8	355.2	376.2	394.3	414.8	435.1	456.8	478.9	500.2	520.0
-75°	258.2	268.6	281.0	291.1	298.9	308.9	320.2	333.9	347.7	361.5	374.5
-77.5°	229.7	236.8	242.5	246.9	250.7	255.8	261.0	270.6	280.9	292.4	304.1
-80°	207.7	212.2	216.1	219.4	222.2	226.5	230.8	239.1	248.0	256.5	264.9
-82.5°	185.3	189.1	192.3	195.1	197.8	201.7	205.8	212.5	219.3	227.6	236.0
-85°	163.5	166.9	170.0	172.6	175.0	178.2	181.3	187.5	193.8	200.5	207.1
-87.5°	145.3	148.1	150.8	153.0	155.1	157.8	160.4	165.3	170.3	175.7	181.0
-90°	2.9	2.9	2.9	2.4	1.9	1.9	1.9	1.9	1.9	1.5	1.0



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	166.5	167.0	167.0	167.0	167.0	167.0	166.5	166.0	161.3	156.5	152.2
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	2.4	2.8	2.8
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.3	2.9	3.3
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	2.9	2.9	3.0
75°	3.4	2.9	2.9	2.9	2.9	2.9	3.4	3.8	4.2	4.4	4.3
72.5°	23.4	25.1	26.1	26.7	26.1	25.1	23.4	21.5	19.5	17.5	15.4
70°	30.1	30.3	30.5	30.5	30.5	30.3	30.1	29.5	28.5	27.2	25.7
67.5°	37.0	37.8	38.1	38.2	38.1	37.8	37.0	35.7	33.5	31.5	29.8
65°	23.6	21.9	20.3	19.1	20.3	21.9	23.6	24.8	24.7	25.1	25.5
62.5°	14.3	13.8	13.5	13.4	13.5	13.8	14.3	14.6	14.5	15.3	16.7
60°	8.5	8.7	8.2	7.6	8.2	8.7	8.5	8.4	8.3	8.6	9.2
57.5°	6.2	6.6	7.1	7.6	7.1	6.6	6.2	5.8	5.5	5.5	5.7
55°	9.2	10.0	10.8	11.4	10.8	10.0	9.2	8.5	7.7	7.2	7.7
52.5°	26.6	23.9	23.1	23.9	23.1	23.9	26.6	29.5	30.9	30.9	26.6
50°	151.0	154.1	157.8	162.2	157.8	154.1	151.0	146.8	138.4	126.3	109.2
47.5°	356.7	349.9	343.6	341.6	343.6	349.9	356.7	352.4	337.1	314.8	311.4
45°	676.3	626.6	601.2	616.3	601.2	626.6	676.3	730.7	676.5	592.7	525.2
42.5°	1365.0	1438.7	1496.3	1523.6	1496.3	1438.7	1365.0	1301.8	1184.0	1068.9	938.9
40°	1711.4	1683.7	1698.5	1721.1	1698.5	1683.7	1711.4	1757.5	1728.0	1782.1	1754.3
37.5°	2106.8	2115.9	2049.4	1940.6	2049.4	2115.9	2106.8	2090.4	2123.9	2102.8	2069.1
35°	2298.5	2417.1	2639.1	2692.3	2639.1	2417.1	2298.5	2255.0	2234.5	2215.7	2188.2
32.5°	2538.6	2661.7	2699.4	2714.3	2699.4	2661.7	2538.6	2397.5	2341.6	2325.1	2312.6
30°	2825.5	2881.1	2867.1	2887.9	2867.1	2881.1	2825.5	2665.6	2541.8	2504.0	2471.1
27.5°	3139.8	3172.3	3161.7	3189.4	3161.7	3172.3	3139.8	3061.3	2883.5	2783.0	2687.6
25°	3951.2	4207.5	4194.2	4254.1	4194.2	4207.5	3951.2	3679.0	3351.9	3191.0	3008.4
22.5°	8004.3	8910.5	9453.1	9978.5	9453.1	8910.5	8004.3	6176.8	4675.5	3952.6	3495.9
20°	17884.3	20496.2	21064.7	20857.6	21064.7	20496.2	17884.3	13761.2	10041.9	5846.3	4511.2
17.5°	38389.4	48810.3	54405.8	55028.1	54405.8	48810.3	38389.4	26746.8	20837.7	13121.1	7355.3
15°	72246.3	90459.8	100801.0	101887.5	100801.0	90459.8	72246.3	54951.3	38210.8	25113.6	14628.7
12.5°	118105.3	147110.4	168403.5	170779.0	168403.5	147110.4	118105.3	91328.9	61179.7	40856.1	24497.2
10°	180921.5	220136.2	251145.7	258700.1	251145.7	220136.2	180921.5	136335.9	96179.9	59572.0	34424.8
7.5°	243618.4	288370.3	324866.4	333453.4	324866.4	288370.3	243618.4	184473.4	128522.2	82938.1	48590.6
5°	292630.6	349889.7	379014.2	388636.9	379014.2	349889.7	292630.6	228174.2	159074.1	103310.8	60672.4
2.5°	329990.1	384056.4	418247.8	432276.0	418247.8	384056.4	329990.1	261586.8	184005.4	118523.7	70122.2
0°	344411.6	396856.1	440396.9	467472.5	440396.9	396856.1	344411.6	274746.4	193714.5	125300.1	72713.4
-2.5°	338758.6	389253.5	426258.0	443821.5	426258.0	389253.5	338758.6	269802.5	190480.3	123686.2	74454.5
-5°	310180.8	361139.3	389750.1	398812.9	389750.1	361139.3	310180.8	244912.3	173992.6	114251.0	69335.5
-7.5°	262290.6	307145.5	341070.3	347151.2	341070.3	307145.5	262290.6	207346.3	146089.6	97093.6	59766.2
-10°	207881.2	246711.0	272591.1	277486.5	272591.1	246711.0	207881.2	160716.9	114917.1	75933.3	45089.2
-12.5°	147356.8	181464.6	201926.2	205701.8	201926.2	181464.6	147356.8	117271.9	83756.9	54656.1	34488.3
-15°	100136.2	121381.4	133783.0	135035.3	133783.0	121381.4	100136.2	78017.6	56209.2	38158.6	22821.5
-17.5°	62655.3	75292.5	83021.9	83093.6	83021.9	75292.5	62655.3	46065.9	35412.6	23588.0	14008.7
-20°	36273.8	42304.1	46628.5	46610.4	46628.5	42304.1	36273.8	27172.9	20072.6	12818.3	8921.2



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18899.1	22483.2	25090.7	24971.5	25090.7	22483.2	18899.1	14187.4	10431.3	7987.2	6465.5
-25°	9280.3	10652.5	11565.8	11494.5	11565.8	10652.5	9280.3	7804.7	6432.3	6258.9	6086.4
-27.5°	6289.2	6440.2	6544.5	6555.3	6544.5	6440.2	6289.2	6161.8	6013.7	6052.7	6112.5
-30°	6042.0	6076.5	6112.8	6122.2	6112.8	6076.5	6042.0	6052.2	6078.7	6091.7	6110.2
-32.5°	6101.7	6128.6	6168.6	6193.7	6168.6	6128.6	6101.7	6086.8	6082.1	6089.2	6105.9
-35°	6106.0	6137.3	6183.4	6204.2	6183.4	6137.3	6106.0	6087.0	6079.5	6082.5	6065.2
-37.5°	6077.6	6115.9	6155.5	6173.7	6155.5	6115.9	6077.6	6047.6	6024.1	6006.8	5907.1
-40°	5969.8	6008.9	6037.8	6040.1	6037.8	6008.9	5969.8	5927.6	5880.2	5790.0	5566.0
-42.5°	5791.2	5839.6	5861.9	5857.9	5861.9	5839.6	5791.2	5690.9	5540.3	5308.9	4899.8
-45°	5369.7	5541.2	5625.5	5646.1	5625.5	5541.2	5369.7	5014.9	4640.8	4239.2	3701.5
-47.5°	4067.2	4318.7	4479.9	4544.2	4479.9	4318.7	4067.2	3614.7	3224.3	2872.4	2424.9
-50°	2491.1	2514.5	2529.9	2537.8	2529.9	2514.5	2491.1	2388.3	2309.7	2257.7	2186.3
-52.5°	2226.5	2233.1	2236.7	2237.3	2236.7	2233.1	2226.5	2202.8	2174.3	2144.2	2115.3
-55°	2145.5	2158.9	2167.4	2169.5	2167.4	2158.9	2145.5	2111.1	2063.4	2012.4	1958.0
-57.5°	1934.2	1942.0	1950.5	1955.8	1950.5	1942.0	1934.2	1900.1	1848.4	1795.4	1735.7
-60°	1681.1	1688.2	1689.6	1684.9	1689.6	1688.2	1681.1	1655.1	1611.8	1562.4	1507.8
-62.5°	1439.5	1446.1	1452.5	1454.9	1452.5	1446.1	1439.5	1417.3	1376.5	1330.3	1278.6
-65°	1190.6	1193.9	1195.4	1192.6	1195.4	1193.9	1190.6	1172.4	1133.4	1090.6	1045.1
-67.5°	940.8	947.3	956.4	962.6	956.4	947.3	940.8	925.5	893.0	859.8	827.7
-70°	724.7	721.9	728.0	732.7	728.0	721.9	724.7	717.8	687.6	658.4	631.6
-72.5°	522.5	519.4	517.3	513.3	517.3	519.4	522.5	520.0	500.2	478.9	456.8
-75°	373.7	369.9	369.3	368.3	369.3	369.9	373.7	374.5	361.5	347.7	333.9
-77.5°	304.3	302.8	300.9	298.6	300.9	302.8	304.3	304.1	292.4	280.9	270.6
-80°	265.6	265.8	264.7	263.3	264.7	265.8	265.6	264.9	256.5	248.0	239.1
-82.5°	236.4	236.3	235.6	234.7	235.6	236.3	236.4	236.0	227.6	219.3	212.5
-85°	207.5	207.8	207.0	206.1	207.0	207.8	207.5	207.1	200.5	193.8	187.5
-87.5°	181.6	182.1	181.7	181.3	181.7	182.1	181.6	181.0	175.7	170.3	165.3
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.9	1.9



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	147.9	145.1	142.2	140.8	139.3	136.5	133.6	129.8	125.9	121.2	116.4
87.5°	1.9	2.4	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.4	3.8
85°	2.8	2.8	2.9	3.3	3.6	3.5	3.5	3.4	3.4	3.6	3.8
82.5°	2.9	3.3	3.6	3.7	3.8	3.8	3.8	4.0	4.1	4.0	4.0
80°	3.6	3.7	3.8	3.8	3.8	4.0	4.1	4.5	4.8	4.7	4.6
77.5°	3.2	3.6	3.9	4.1	4.2	4.5	4.8	4.8	4.9	5.2	5.3
75°	4.4	5.1	5.6	5.8	5.7	5.1	5.0	5.3	5.4	5.5	5.7
72.5°	13.5	12.5	11.9	11.4	10.5	10.2	9.7	9.0	8.0	6.6	5.7
70°	24.5	23.5	22.9	22.9	22.9	22.2	19.5	16.4	13.9	12.1	9.7
67.5°	29.8	31.1	32.4	33.2	32.7	32.4	30.1	26.7	25.5	23.3	16.9
65°	27.4	29.9	31.4	32.0	32.4	34.2	36.6	35.9	37.4	35.9	28.0
62.5°	19.5	22.8	24.7	26.2	26.5	28.1	32.9	38.0	45.6	47.7	38.7
60°	11.3	13.4	15.7	18.0	19.6	23.0	28.5	36.9	47.6	46.9	43.1
57.5°	7.2	8.8	11.1	12.9	13.5	17.5	23.5	33.9	44.6	44.3	38.9
55°	9.7	11.2	12.3	14.4	15.4	18.4	21.6	30.1	40.2	43.5	41.7
52.5°	18.9	25.4	27.4	24.9	24.8	26.2	27.9	34.8	40.9	45.8	47.6
50°	97.3	107.2	94.6	75.7	78.6	55.1	61.3	59.8	57.2	59.8	58.1
47.5°	297.9	275.6	253.5	233.8	209.4	181.3	174.9	135.1	131.2	97.6	97.3
45°	513.7	488.0	451.4	420.4	404.6	373.3	352.1	321.8	261.7	233.7	162.4
42.5°	933.9	790.0	664.5	607.9	552.0	527.4	511.1	491.2	459.1	402.5	336.6
40°	1587.8	1417.9	1179.1	873.1	740.5	652.9	622.2	615.4	599.2	568.7	499.1
37.5°	2056.6	1960.0	1720.2	1455.4	1097.8	875.7	766.1	706.6	702.8	686.7	640.4
35°	2159.4	2130.1	2083.4	1890.8	1586.7	1402.6	1037.3	858.6	787.1	774.2	758.6
32.5°	2294.6	2263.7	2222.1	2186.1	2108.0	2083.7	1631.2	1133.9	900.7	853.5	828.7
30°	2438.1	2417.9	2389.9	2377.5	2383.8	2375.0	2269.6	1637.5	1153.3	930.3	902.0
27.5°	2636.3	2581.2	2559.0	2580.3	2623.3	2648.5	2567.8	2255.5	1509.8	1140.2	975.5
25°	2910.6	2827.8	2796.2	2844.1	2920.6	2951.2	2897.8	2692.6	2175.5	1420.6	1052.3
22.5°	3275.2	3209.9	3194.7	3295.7	3318.5	3350.6	3251.2	3128.1	2850.0	1844.0	1286.2
20°	3799.4	3647.7	3641.4	3662.7	3662.2	3646.7	3525.2	3414.2	3109.6	2388.5	1548.4
17.5°	4892.8	4083.4	3962.0	3920.4	3885.3	3799.7	3728.4	3557.2	3336.8	2848.3	1802.8
15°	7065.9	4996.0	4328.4	4234.4	4175.7	4083.0	3991.8	3794.2	3586.6	3133.1	2167.2
12.5°	13609.7	6408.2	4652.0	4435.2	4388.6	4315.1	4202.7	4106.6	3831.9	3390.5	2543.8
10°	19192.6	9295.3	5552.3	4668.5	4507.3	4407.0	4319.3	4222.1	3991.8	3622.9	2912.1
7.5°	26700.4	13569.5	6571.7	4903.5	4658.7	4490.8	4377.4	4280.6	4093.4	3721.8	3156.4
5°	32668.4	16655.6	7363.3	5134.8	4854.5	4654.6	4445.0	4341.8	4156.1	3759.4	3317.6
2.5°	36227.3	18642.4	7840.2	5267.6	4998.3	4869.6	4554.2	4401.9	4180.1	3784.9	3419.7
0°	38317.8	19624.9	8320.3	5337.0	5066.0	4988.8	4726.4	4458.3	4171.1	3793.3	3469.0
-2.5°	39962.5	20627.4	8561.4	5472.5	5170.5	5084.8	4921.0	4676.4	4219.3	3803.7	3497.9
-5°	38124.8	19624.9	8534.9	5556.2	5261.0	5178.0	5047.9	4818.8	4292.6	3826.7	3476.8
-7.5°	33673.6	16959.9	8030.4	5627.1	5356.6	5269.7	5134.3	4908.3	4443.1	3944.3	3427.8
-10°	26430.1	12947.1	7107.5	5694.1	5480.5	5366.6	5218.7	4934.2	4506.2	4037.2	3325.1
-12.5°	19422.9	9847.8	6240.6	5722.4	5624.0	5477.6	5294.8	4924.8	4545.1	4162.0	3257.0
-15°	12577.3	7786.7	6124.8	5824.3	5715.9	5551.9	5333.3	4899.5	4553.9	4238.1	3096.3
-17.5°	8871.9	6396.1	5969.0	5870.2	5750.8	5593.0	5267.0	4869.5	4515.3	4020.7	2765.7
-20°	6481.1	6165.7	6049.3	5937.0	5776.2	5597.6	5161.4	4813.0	4413.2	3573.3	2476.3



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6171.8	6162.1	6153.6	6024.3	5850.6	5477.7	5072.2	4721.5	4261.8	3131.4	2194.8
-25°	6140.9	6189.7	6186.5	6097.0	5827.9	5394.1	5010.3	4563.8	3760.7	2747.1	1933.2
-27.5°	6148.9	6186.0	6190.5	6057.8	5729.7	5321.9	4905.6	4312.6	3144.3	2337.7	1924.6
-30°	6137.3	6162.6	6102.2	5905.6	5575.6	5195.8	4777.5	3657.2	2660.9	2025.6	1899.4
-32.5°	6118.5	6063.8	5940.9	5660.3	5360.9	5041.0	4095.1	3010.6	2207.5	1990.0	1879.3
-35°	6026.2	5853.6	5609.0	5365.5	5152.1	4321.5	3345.0	2439.9	2073.4	1951.1	1858.1
-37.5°	5740.9	5490.1	5235.8	4942.7	4260.6	3444.6	2564.8	2163.4	2015.2	1926.5	1799.2
-40°	5278.8	5013.2	4488.1	3917.8	3232.2	2459.2	2210.5	2077.6	1989.2	1872.4	1716.1
-42.5°	4406.9	3911.0	3410.5	2820.0	2317.2	2215.6	2116.8	2041.3	1931.7	1777.7	1606.2
-45°	3221.2	2765.9	2343.2	2270.7	2189.7	2131.1	2076.0	1962.0	1826.9	1657.1	1486.8
-47.5°	2289.6	2239.7	2184.0	2158.4	2124.1	2068.1	1957.2	1837.6	1682.0	1518.2	1360.6
-50°	2141.3	2126.3	2113.4	2085.6	2004.3	1912.8	1800.0	1681.3	1531.3	1380.0	1230.6
-52.5°	2079.8	2028.7	1975.1	1912.9	1825.8	1723.8	1617.9	1511.5	1380.3	1237.6	1096.6
-55°	1900.2	1839.3	1777.5	1703.3	1621.5	1534.1	1444.0	1338.2	1220.5	1088.1	960.4
-57.5°	1671.8	1611.7	1560.2	1497.0	1423.6	1343.2	1253.2	1153.4	1054.5	936.8	822.7
-60°	1450.6	1392.2	1346.7	1288.8	1219.4	1142.5	1060.6	974.4	883.0	798.8	710.5
-62.5°	1229.6	1180.7	1131.8	1077.0	1015.7	949.5	879.5	814.5	747.3	674.7	593.9
-65°	1001.2	954.1	909.9	873.1	829.4	782.4	726.5	669.0	608.4	544.2	474.0
-67.5°	794.3	759.2	728.2	697.3	659.6	620.1	572.8	522.4	473.0	423.3	368.3
-70°	603.3	575.0	546.7	516.4	490.4	465.6	432.2	395.2	353.5	319.2	288.1
-72.5°	435.1	414.8	394.3	376.2	355.2	338.8	322.6	302.8	278.9	252.5	231.0
-75°	320.2	308.9	298.9	291.1	281.0	268.6	258.2	246.6	234.5	221.7	208.8
-77.5°	261.0	255.8	250.7	246.9	242.5	236.8	229.7	220.1	210.8	200.3	189.7
-80°	230.8	226.5	222.2	219.4	216.1	212.2	207.7	199.6	191.2	181.5	172.2
-82.5°	205.8	201.7	197.8	195.1	192.3	189.1	185.3	178.4	171.4	163.6	155.9
-85°	181.3	178.2	175.0	172.6	170.0	166.9	163.5	158.1	152.7	146.1	139.4
-87.5°	160.4	157.8	155.1	153.0	150.8	148.1	145.3	141.1	136.8	131.3	125.8
-90°	1.9	1.9	1.9	2.4	2.9	2.9	2.9	2.9	2.9	3.4	3.8



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	111.7	106.9	102.6	98.3	94.5	90.6	86.3	82.0	76.3	70.6	63.5
87.5°	3.8	3.8	4.1	4.4	4.3	4.3	4.5	4.8	4.8	4.8	4.9
85°	4.0	4.1	4.4	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.1
82.5°	4.4	4.7	4.7	4.8	5.1	5.2	5.1	5.0	5.0	4.9	5.2
80°	4.7	4.8	5.0	5.1	5.4	5.7	5.6	5.5	5.6	5.5	5.6
77.5°	5.1	5.1	5.4	5.6	5.6	5.8	5.9	5.9	6.1	6.2	6.0
75°	5.7	5.6	5.6	5.8	5.8	5.9	6.2	6.4	6.6	6.7	6.4
72.5°	5.7	5.8	5.9	5.9	6.2	6.4	6.6	6.8	7.0	7.1	6.8
70°	7.5	6.4	6.4	6.5	6.7	6.9	7.1	7.3	7.4	7.5	7.3
67.5°	10.6	8.9	7.8	7.3	7.3	7.6	7.6	7.9	8.1	7.9	7.8
65°	20.6	14.3	9.4	8.9	8.3	8.3	8.5	8.8	8.8	8.9	8.3
62.5°	30.2	22.2	16.3	12.0	10.3	10.6	9.6	10.2	9.8	10.0	9.3
60°	39.5	30.6	23.9	19.0	15.3	13.8	13.1	12.0	11.8	11.2	10.7
57.5°	38.8	37.4	33.7	27.2	23.3	19.7	17.8	16.0	14.2	13.6	12.2
55°	38.2	38.2	42.3	38.1	33.5	28.0	24.7	21.4	17.7	16.4	13.9
52.5°	44.6	45.4	48.8	51.1	47.6	39.0	35.5	27.4	24.3	19.4	16.9
50°	55.3	60.2	60.8	66.2	63.4	57.7	47.5	39.2	31.5	23.7	20.1
47.5°	83.7	88.4	83.7	88.0	83.9	79.3	66.9	53.3	39.4	31.0	23.5
45°	160.6	134.0	129.7	122.3	112.6	107.2	90.5	68.6	53.5	39.1	27.0
42.5°	267.7	230.1	208.7	163.7	158.9	139.9	118.1	93.3	68.7	47.7	32.9
40°	418.3	362.2	311.9	260.8	216.5	176.7	153.5	121.4	84.9	58.8	40.8
37.5°	564.4	497.8	440.0	364.1	289.9	237.0	192.3	151.4	105.9	74.6	48.9
35°	686.0	623.8	546.2	464.8	386.9	298.4	233.9	185.0	133.9	91.2	57.3
32.5°	785.7	722.9	633.9	551.6	464.1	359.7	284.6	220.7	162.4	108.5	66.0
30°	860.3	800.4	715.8	619.7	526.8	423.5	335.4	254.7	191.2	126.5	76.0
27.5°	937.5	880.0	795.2	689.0	581.0	478.3	377.1	286.8	220.2	144.9	89.3
25°	1014.7	955.7	877.2	765.5	635.3	521.4	415.0	317.4	247.7	164.2	101.8
22.5°	1082.2	1025.5	958.9	846.4	696.6	563.1	450.6	350.5	266.3	182.0	113.6
20°	1144.3	1084.8	1035.4	914.9	763.2	613.2	485.3	376.3	283.6	198.3	124.6
17.5°	1232.9	1137.5	1075.3	967.6	826.1	664.7	521.3	400.7	299.4	213.0	134.8
15°	1435.8	1189.3	1114.6	1013.9	877.3	713.1	557.3	424.2	313.8	226.2	143.8
12.5°	1621.3	1238.4	1155.7	1053.7	915.7	755.6	592.6	446.3	326.7	238.6	151.5
10°	1808.7	1286.0	1196.0	1092.1	948.6	792.3	626.5	469.2	342.7	250.4	158.3
7.5°	2014.2	1332.7	1233.7	1128.9	977.1	822.3	656.2	495.3	358.2	261.0	164.2
5°	2200.9	1375.7	1272.7	1169.9	1005.9	845.9	681.5	519.2	372.4	270.3	169.2
2.5°	2331.6	1412.1	1311.2	1208.4	1030.8	864.9	702.8	540.6	385.1	278.1	173.3
0°	2429.0	1444.4	1346.2	1242.2	1051.4	879.6	720.3	559.1	395.9	284.3	176.5
-2.5°	2424.9	1471.5	1375.0	1274.8	1089.5	901.2	731.6	568.8	407.3	293.0	182.9
-5°	2383.5	1495.3	1401.0	1302.3	1121.5	918.0	739.2	575.3	416.6	299.9	188.3
-7.5°	2332.3	1522.0	1425.5	1324.5	1146.1	929.3	743.0	578.8	423.7	304.8	192.5
-10°	2247.8	1548.3	1448.3	1335.2	1151.1	936.0	744.3	579.4	428.4	307.8	195.4
-12.5°	2143.4	1572.3	1467.6	1339.5	1148.4	939.1	749.3	578.7	430.3	308.8	196.9
-15°	2004.6	1604.5	1491.3	1338.3	1140.8	937.9	748.8	574.7	426.8	306.5	196.9
-17.5°	1808.9	1628.5	1513.8	1333.7	1129.0	932.5	742.4	566.2	420.9	300.8	194.8
-20°	1785.5	1650.8	1526.4	1319.3	1112.6	920.9	730.0	552.9	412.3	293.2	191.2



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1801.7	1675.9	1520.4	1295.1	1092.4	903.8	712.1	535.3	401.2	283.8	186.2
-25°	1805.1	1700.0	1511.6	1281.9	1069.0	879.8	691.2	518.0	387.4	272.4	180.0
-27.5°	1803.8	1695.7	1498.0	1254.2	1043.4	850.3	668.1	505.8	376.1	259.1	172.5
-30°	1799.5	1650.1	1449.7	1213.8	1007.9	817.1	641.2	490.7	363.4	248.5	163.7
-32.5°	1774.6	1599.1	1387.6	1168.1	965.7	779.6	611.6	472.2	347.9	239.6	158.3
-35°	1709.5	1529.9	1324.1	1115.5	919.2	743.3	582.5	450.4	329.7	228.5	153.6
-37.5°	1638.2	1443.9	1259.8	1058.0	868.1	702.7	555.5	426.8	308.7	215.2	148.2
-40°	1534.9	1350.2	1175.0	993.6	815.9	657.3	524.3	400.2	289.7	199.7	141.5
-42.5°	1426.7	1252.0	1085.2	917.6	759.8	616.3	489.2	370.1	269.4	187.9	133.6
-45°	1317.0	1150.7	991.7	843.0	699.7	570.5	451.1	337.5	246.3	177.3	127.5
-47.5°	1201.0	1046.4	900.3	763.2	642.7	520.2	407.0	308.4	220.9	165.2	125.1
-50°	1081.5	939.9	807.9	688.9	577.7	465.8	361.2	276.3	205.1	151.5	122.2
-52.5°	960.6	832.5	719.6	614.5	509.6	406.5	319.6	242.0	187.7	144.3	118.9
-55°	837.3	733.1	635.0	536.3	438.1	353.4	275.3	219.0	168.9	139.8	115.3
-57.5°	730.3	638.9	546.0	454.2	373.0	300.0	241.1	194.8	159.8	134.7	112.9
-60°	624.7	538.8	452.9	379.8	311.2	255.3	212.8	175.0	153.1	129.5	110.3
-62.5°	514.7	438.4	372.2	308.8	260.9	221.5	186.8	166.0	145.7	125.8	107.2
-65°	411.7	350.6	294.0	257.6	221.8	192.3	175.7	156.4	139.5	121.6	103.9
-67.5°	313.3	279.6	246.1	213.4	194.5	179.2	163.9	148.6	133.5	117.0	100.4
-70°	257.0	226.9	207.6	193.5	179.8	166.2	154.4	141.2	127.1	112.6	96.6
-72.5°	216.9	203.1	189.8	177.2	166.5	155.7	145.1	133.6	121.1	107.8	92.6
-75°	195.8	184.6	174.5	164.6	154.7	144.9	136.1	126.4	114.9	102.8	88.4
-77.5°	179.4	169.6	160.7	152.1	143.7	135.6	127.5	118.9	108.3	97.4	84.0
-80°	163.8	155.6	147.9	140.1	133.0	126.1	118.5	110.8	101.3	91.7	79.3
-82.5°	148.9	141.9	134.8	127.7	121.4	115.1	108.7	102.4	94.1	85.8	75.0
-85°	133.5	127.5	121.2	114.8	109.3	103.9	99.4	94.7	87.8	80.8	71.3
-87.5°	121.0	116.0	111.0	105.9	101.6	97.3	92.9	88.4	82.1	75.8	67.4
-90°	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.8	4.8	4.8	4.8



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	56.3	46.7	37.2	26.2	15.3	10.0	4.8
87.5°	5.0	5.0	5.0	5.0	5.0	4.9	4.8
85°	5.3	5.2	5.1	5.2	5.1	5.0	4.8
82.5°	5.5	5.4	5.3	5.4	5.3	5.2	4.8
80°	5.7	5.6	5.4	5.5	5.5	5.3	4.8
77.5°	6.0	5.8	5.6	5.7	5.6	5.4	4.8
75°	6.3	6.1	5.8	5.9	5.8	5.5	4.8
72.5°	6.6	6.5	6.2	6.1	6.0	5.7	4.8
70°	6.9	6.8	6.5	6.3	6.2	5.8	4.8
67.5°	7.5	7.2	6.8	6.6	6.4	5.9	4.8
65°	8.1	7.6	7.2	6.8	6.6	6.0	4.8
62.5°	8.7	8.2	7.5	7.1	6.8	6.2	4.8
60°	9.3	8.8	7.8	7.3	7.0	6.3	4.8
57.5°	10.8	9.4	8.5	7.6	7.2	6.4	4.8
55°	12.6	10.0	9.2	7.8	7.5	6.5	4.8
52.5°	14.5	10.8	9.9	8.1	7.8	6.7	4.8
50°	16.5	12.8	10.7	8.3	8.1	6.8	4.8
47.5°	18.8	14.9	11.5	8.6	8.5	6.9	4.8
45°	21.8	17.0	12.4	9.3	8.8	7.0	4.8
42.5°	24.9	19.3	13.3	10.0	9.2	7.1	4.8
40°	28.3	21.6	14.6	10.9	9.7	7.2	4.8
37.5°	31.8	23.9	16.4	12.1	10.1	7.4	4.8
35°	35.5	26.6	18.2	13.2	10.5	7.5	4.8
32.5°	40.2	29.6	20.0	14.4	11.0	7.6	4.8
30°	47.3	32.5	21.8	15.7	11.5	7.7	4.8
27.5°	54.3	35.4	24.1	17.0	12.0	7.8	4.8
25°	61.2	38.3	26.4	18.2	12.5	7.9	4.8
22.5°	67.9	41.2	28.7	19.6	13.0	8.0	4.8
20°	74.4	44.3	30.8	20.9	13.5	8.1	4.8
17.5°	80.4	47.2	32.9	22.2	14.0	8.2	4.8
15°	85.8	50.1	34.9	23.5	14.5	8.2	4.8
12.5°	90.7	52.8	36.8	24.7	15.0	8.3	4.8
10°	95.1	55.3	38.6	26.0	15.5	8.4	4.8
7.5°	99.0	57.7	40.3	27.2	15.9	8.4	4.8
5°	102.4	59.9	41.9	28.4	16.4	8.5	4.8
2.5°	105.4	62.0	43.4	29.5	16.8	8.6	4.8
0°	107.8	63.9	44.8	30.5	17.2	8.6	4.8
-2.5°	111.3	66.6	46.8	31.8	18.1	9.0	4.8
-5°	114.2	69.0	48.6	33.1	19.0	9.3	4.8
-7.5°	116.5	71.3	50.3	34.3	19.8	9.7	4.8
-10°	118.3	73.3	51.9	35.4	20.6	10.0	4.8
-12.5°	119.5	75.1	53.4	36.4	21.3	10.4	4.8
-15°	120.1	76.7	54.7	37.3	22.0	10.7	4.8
-17.5°	120.1	78.0	55.8	38.2	22.6	11.0	4.8
-20°	119.6	79.1	56.8	38.9	23.2	11.2	4.8



REPORT NUMBER: P731457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	118.7	79.9	57.6	39.6	23.7	11.5	4.8
-25°	117.1	80.6	58.3	40.1	24.2	11.7	4.8
-27.5°	114.7	81.1	58.8	40.6	24.6	12.0	4.8
-30°	111.7	81.4	59.1	40.9	24.9	12.2	4.8
-32.5°	107.9	81.4	59.6	41.2	25.2	12.3	4.8
-35°	106.4	81.1	59.9	41.4	25.4	12.5	4.8
-37.5°	105.8	80.8	60.0	41.5	25.5	12.6	4.8
-40°	104.9	80.8	60.0	41.4	25.5	12.7	4.8
-42.5°	103.6	80.6	60.0	41.4	25.5	12.8	4.8
-45°	102.0	80.1	59.9	41.4	25.4	12.9	4.8
-47.5°	100.0	79.5	59.7	41.2	25.3	12.9	4.8
-50°	98.6	78.7	59.4	41.0	25.1	12.9	4.8
-52.5°	97.2	77.6	58.8	40.7	24.8	12.9	4.8
-55°	95.5	76.6	58.2	40.3	24.4	12.9	4.8
-57.5°	93.6	75.3	57.3	39.8	24.0	12.8	4.8
-60°	91.5	73.8	56.4	39.1	23.5	12.7	4.8
-62.5°	89.2	72.1	55.3	38.4	23.1	12.6	4.8
-65°	86.7	70.2	54.0	37.5	22.7	12.4	4.8
-67.5°	83.9	68.1	52.6	36.6	22.1	12.3	4.8
-70°	80.9	65.9	51.1	35.5	21.6	12.1	4.8
-72.5°	77.8	63.5	49.4	34.6	20.9	11.9	4.8
-75°	74.5	60.9	47.6	33.6	20.3	11.7	4.8
-77.5°	71.0	58.2	46.1	32.6	19.5	11.5	4.8
-80°	67.4	55.9	44.5	31.5	18.7	11.2	4.8
-82.5°	64.7	53.8	42.8	30.3	17.9	10.9	4.8
-85°	62.0	51.5	41.0	29.0	17.1	10.7	4.8
-87.5°	59.2	49.2	39.2	27.7	16.2	10.4	4.8
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8

(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

