

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: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-3S-VHE**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-80-3S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

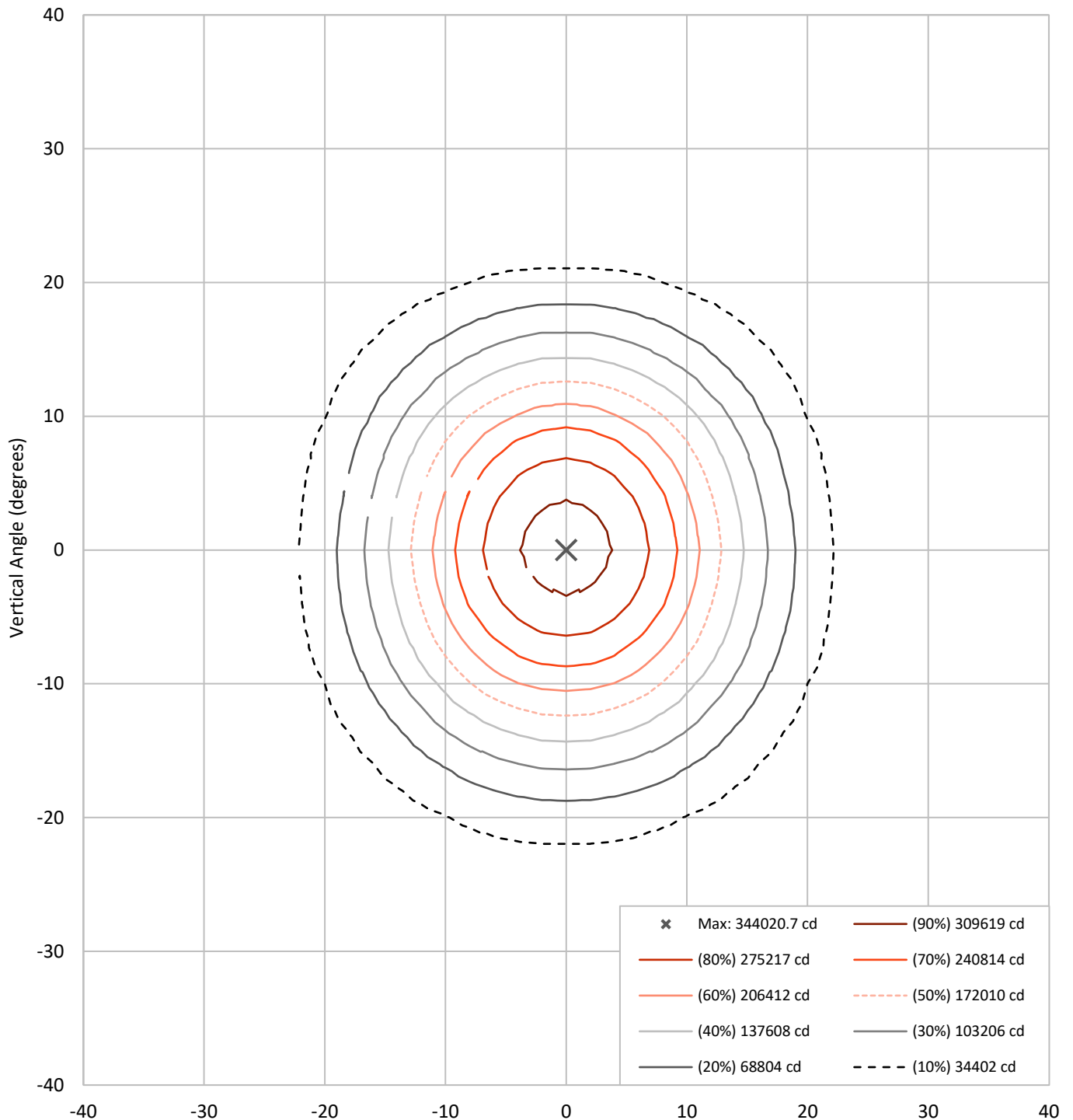
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	77291.2 lumens	Max Intensity:	344020.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	138.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	36980.6 lumens	Field Lumens:	64799.2 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%

Input Watts (W): 559.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

Iso-Candela Plot





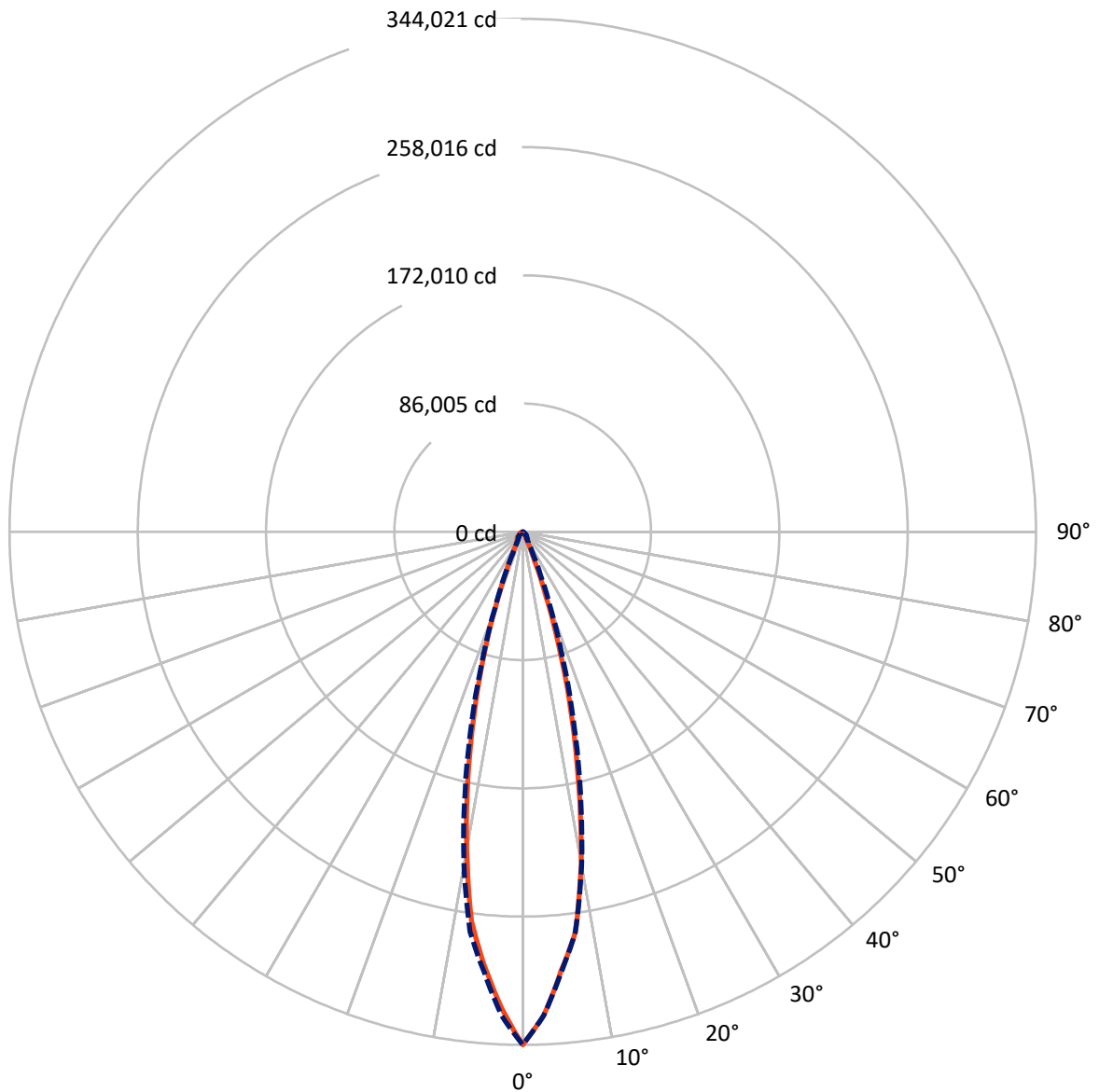
REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

Lumen Table

90	0.2		0.6		1.2		1.8		2.2		1.8		1.2		0.6		0.2	
80	0.2		0.1	0.2	0.6	0.7	0.6	0.5	0.5	0.5	0.5	0.6	0.7	0.6	0.2	0.1	0.2	
70	0.2		0.3	0.7	1.0	0.9	0.9	1.1	1.3	1.3	1.1	0.9	0.9	1.0	0.7	0.3	0.2	
60	0.2		0.3	0.7	1.0	0.9	0.9	1.1	1.3	1.3	1.1	0.9	0.9	1.0	0.7	0.3	0.2	
50	0.7		1.1	2.6	5.4	10.0	17.0	24.3	27.5	27.5	24.3	17.0	10.0	5.4	2.6	1.1	0.7	
40	0.7		2.7	8.2	16.9	31.9	52.8	63.9	74.9	74.9	63.9	52.8	31.9	16.9	8.2	2.7	0.7	
30	1.8		4.5	13.8	30.3	67.8	87.2	188.3	411.8	411.8	188.3	87.2	67.8	30.3	13.8	4.5	1.8	
20	1.8		5.9	18.2	49.2	97.3	235.2	1416.6	3424.8	3424.8	1416.6	235.2	97.3	49.2	18.2	5.9	1.8	
10	2.6		7.1	21.0	62.7	117.8	522.0	3440.7	7837.0	7837.0	3440.7	522.0	117.8	62.7	21.0	7.1	2.6	
0	2.6		7.9	23.1	66.3	130.5	538.0	3461.6	7755.6	7755.6	3461.6	538.0	130.5	66.3	23.1	7.9	2.6	
-10	2.8		8.0	23.9	64.0	130.1	288.4	1477.1	3456.8	3456.8	1477.1	288.4	130.1	64.0	23.9	8.0	2.8	
-20	2.8		7.4	22.8	50.7	117.0	176.7	306.2	582.3	582.3	306.2	176.7	117.0	50.7	22.8	7.4	2.8	
-30	2.4		6.3	19.5	40.5	80.9	141.4	174.5	193.6	193.6	174.5	141.4	80.9	40.5	19.5	6.3	2.4	
-40	2.4		4.8	14.9	31.4	51.2	75.5	110.7	138.0	138.0	110.7	75.5	51.2	31.4	14.9	4.8	2.4	
-50	2.0		3.3	9.7	20.5	34.4	46.9	57.0	63.2	63.2	57.0	46.9	34.4	20.5	9.7	3.3	2.0	
-60	2.0		2.3	5.1	10.6	17.9	24.7	31.2	35.2	35.2	31.2	24.7	17.9	10.6	5.1	2.3	2.0	
-70	2.0		2.3	5.1	10.6	17.9	24.7	31.2	35.2	35.2	31.2	24.7	17.9	10.6	5.1	2.3	2.0	
-80	1.4		8.5		19.6		31.9		39.2		31.9		19.6		8.5		1.4	
-90	1.4		8.5		19.6		31.9		39.2		31.9		19.6		8.5		1.4	

REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

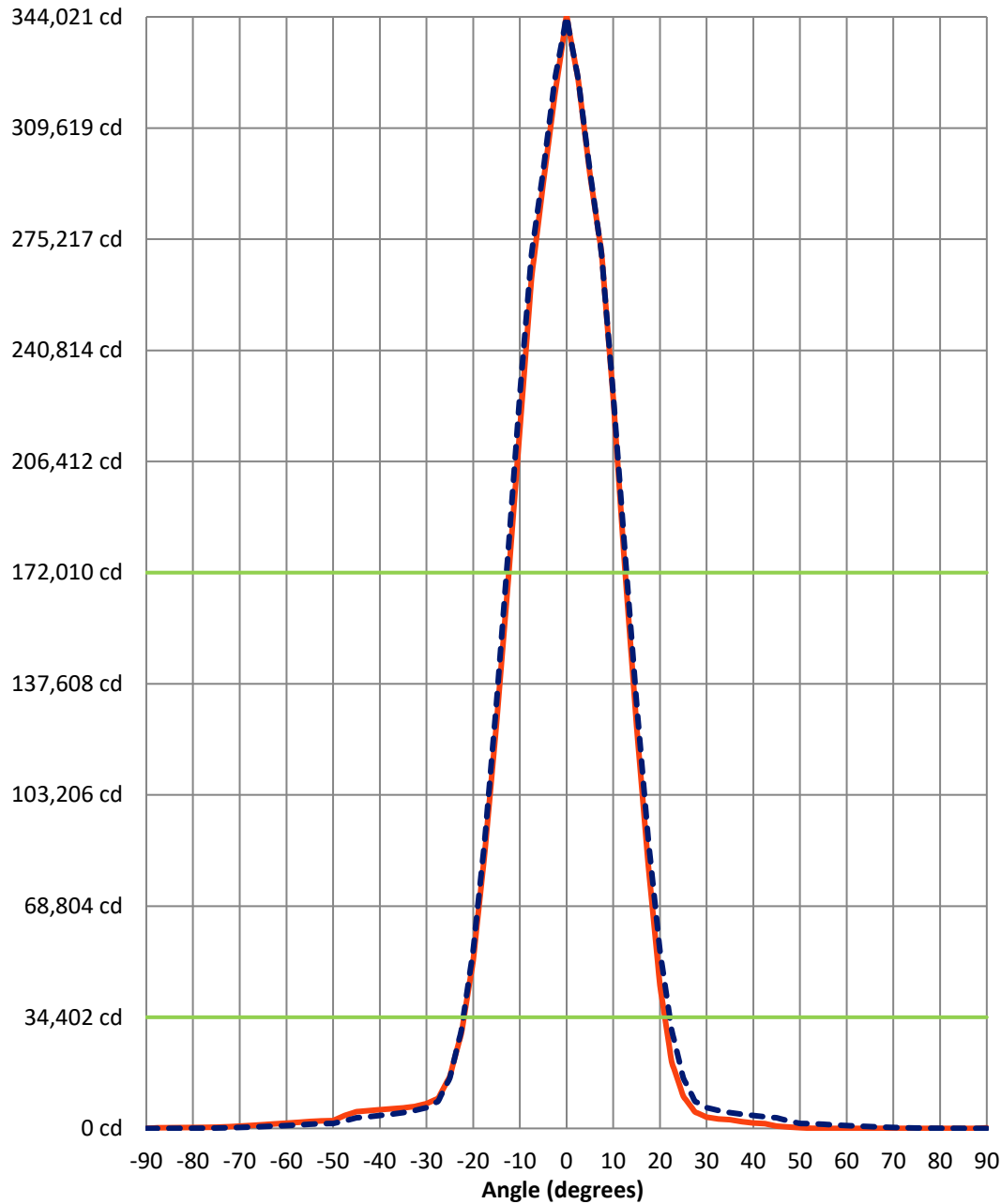
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

Luminous Intensity Plot



Beam:
H Angle: 25.7°
V Angle: 24.9°
Lumens: 36980.6
Efficiency: 47.8%

Field:
H Angle: 44.2°
V Angle: 43°
Lumens: 64799.2
Efficiency: 83.8%

Spill:
Lumens: 12492.1
Efficiency: 16.2%

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



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	2.8	11.5	20.3	32.7	45.1	55.7	66.3	74.2	82.0	88.5	94.9
87.5°	2.8	3.0	3.0	3.0	3.1	3.1	3.0	2.7	2.5	2.4	2.2
85°	2.8	3.2	3.1	3.3	3.4	3.4	3.3	3.1	3.1	2.9	2.7
82.5°	2.8	3.5	3.3	3.5	3.7	3.7	3.5	3.6	3.7	3.4	3.1
80°	2.8	3.7	3.5	3.7	4.0	4.0	3.8	4.0	4.0	3.8	3.5
77.5°	2.8	3.9	3.6	4.0	4.4	4.4	4.3	4.4	4.4	4.1	3.9
75°	2.8	4.1	3.8	4.2	4.7	4.9	4.8	4.8	4.8	4.7	4.4
72.5°	2.8	4.4	4.1	4.4	5.2	5.4	5.3	5.4	5.5	5.3	4.9
70°	2.8	4.6	4.3	4.7	5.7	6.0	6.0	6.4	6.3	6.0	6.2
67.5°	2.8	4.8	4.6	5.2	6.3	6.6	7.1	7.4	7.2	7.7	7.7
65°	2.8	5.1	4.8	5.8	6.9	7.4	8.3	8.4	9.2	9.4	9.4
62.5°	2.8	5.3	5.1	6.4	7.5	8.7	9.5	10.2	11.3	11.4	11.3
60°	2.8	5.5	5.5	6.9	8.1	9.9	10.9	12.4	13.5	13.8	13.5
57.5°	2.8	5.8	6.1	7.5	9.3	11.3	12.9	14.6	16.4	16.6	18.3
55°	2.8	6.0	6.7	8.1	10.6	12.6	15.1	17.1	19.7	20.8	24.8
52.5°	2.8	6.3	7.4	8.7	11.9	14.1	17.3	20.4	23.3	28.6	31.8
50°	2.8	6.5	8.0	9.3	13.2	16.2	19.5	24.1	28.4	37.1	44.7
47.5°	2.8	6.8	8.7	10.0	14.6	18.3	21.9	27.9	37.1	46.4	60.2
45°	2.8	7.0	9.4	11.1	16.0	20.5	25.3	31.8	46.1	62.2	77.3
42.5°	2.8	7.3	10.2	12.2	17.5	22.8	28.9	38.4	55.6	79.2	103.5
40°	2.8	7.6	10.9	13.5	19.1	25.2	32.7	46.8	67.4	97.4	133.2
37.5°	2.8	7.8	11.6	15.1	21.0	27.6	36.8	55.5	84.1	119.1	164.9
35°	2.8	8.1	12.4	16.6	22.8	30.7	41.1	64.3	101.5	147.0	200.4
32.5°	2.8	8.3	13.1	18.1	24.7	34.1	46.5	73.6	119.5	175.1	235.6
30°	2.8	8.6	13.9	19.7	26.6	37.5	54.1	84.3	138.0	203.2	268.6
27.5°	2.8	8.8	14.6	21.2	29.0	40.9	61.6	98.4	156.8	231.3	299.2
25°	2.8	9.1	15.4	22.7	31.4	44.2	69.0	111.7	175.8	257.6	327.7
22.5°	2.8	9.3	16.1	24.2	33.7	47.6	76.3	124.2	193.2	275.5	358.8
20°	2.8	9.6	16.9	25.7	36.0	51.1	83.3	135.8	208.9	292.0	383.9
17.5°	2.8	9.8	17.6	27.1	38.3	54.5	89.8	146.5	223.0	307.3	407.4
15°	2.8	10.0	18.3	28.5	40.4	57.6	95.8	156.2	235.5	321.1	429.7
12.5°	2.8	10.2	19.0	29.9	42.5	60.6	101.3	164.8	248.2	333.5	450.5
10°	2.8	10.4	19.7	31.2	44.5	63.4	106.4	172.6	261.2	352.0	473.2
7.5°	2.8	10.6	20.4	32.5	46.5	66.1	111.0	179.4	273.2	370.6	501.6
5°	2.8	10.8	21.0	33.7	48.3	68.5	115.0	185.4	283.9	388.0	527.9
2.5°	2.8	11.0	21.6	34.8	50.0	70.8	118.6	190.3	293.3	403.9	551.7
0°	2.8	11.1	22.1	35.9	51.6	72.8	121.6	194.3	301.2	418.1	572.8
-2.5°	2.8	11.6	23.1	37.5	53.9	75.9	125.5	200.9	310.1	427.7	582.6
-5°	2.8	12.0	24.0	39.0	56.1	78.7	128.8	206.4	317.1	435.2	589.3
-7.5°	2.8	12.4	24.9	40.4	58.1	81.3	131.5	210.7	322.3	440.6	592.9
-10°	2.8	12.8	25.8	41.8	60.0	83.7	133.6	213.7	325.5	443.9	593.4
-12.5°	2.8	13.2	26.5	43.0	61.7	85.8	135.0	215.3	326.7	444.9	592.1
-15°	2.8	13.5	27.3	44.1	63.3	87.6	135.8	215.4	324.8	442.1	587.5
-17.5°	2.8	13.9	28.0	45.1	64.7	89.2	135.9	213.5	319.5	436.9	578.8
-20°	2.8	14.2	28.6	46.1	65.9	90.6	135.3	209.9	312.3	429.2	565.8



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.8	14.5	29.1	46.8	67.0	91.6	134.3	205.0	303.3	418.9	548.9
-25°	2.8	14.7	29.6	47.5	67.8	92.5	132.5	198.8	292.4	406.1	531.0
-27.5°	2.8	14.9	30.1	48.1	68.5	93.3	130.1	191.3	279.6	394.6	518.3
-30°	2.8	15.1	30.4	48.5	69.1	93.8	126.9	182.5	269.2	381.8	502.9
-32.5°	2.8	15.3	30.7	48.8	69.8	94.0	123.0	176.8	260.3	366.9	484.6
-35°	2.8	15.5	30.9	49.0	70.3	93.9	121.6	171.9	249.1	350.0	463.2
-37.5°	2.8	15.6	31.1	49.0	70.6	93.8	121.2	166.4	235.6	331.0	440.6
-40°	2.8	15.7	31.2	49.0	70.7	94.0	120.5	159.7	219.8	312.5	415.2
-42.5°	2.8	15.7	31.2	48.9	70.8	94.0	119.5	151.9	208.0	290.3	385.7
-45°	2.8	15.8	31.1	48.8	70.7	93.7	118.0	146.0	197.7	265.6	353.2
-47.5°	2.8	15.8	31.0	48.6	70.4	93.2	116.1	143.7	185.9	239.1	323.1
-50°	2.8	15.7	30.8	48.5	69.9	92.5	114.8	140.8	172.0	223.3	290.5
-52.5°	2.8	15.7	30.6	48.3	69.2	91.5	113.3	137.4	164.4	206.2	256.8
-55°	2.8	15.6	30.2	47.9	68.3	90.2	111.5	133.7	159.4	188.0	235.4
-57.5°	2.8	15.5	29.8	47.5	67.3	88.6	109.5	131.2	153.9	178.9	212.9
-60°	2.8	15.3	29.4	46.9	66.1	86.7	107.1	128.0	148.4	172.1	194.3
-62.5°	2.8	15.1	28.9	46.2	65.0	84.7	104.6	124.4	144.0	164.6	185.1
-65°	2.8	14.9	28.4	45.4	63.9	82.5	101.8	120.6	139.1	157.9	175.2
-67.5°	2.8	14.7	27.9	44.5	62.5	80.2	98.8	116.7	133.9	151.3	167.0
-70°	2.8	14.4	27.2	43.5	61.0	78.0	95.6	112.4	128.8	144.4	159.3
-72.5°	2.8	14.2	26.5	42.4	59.4	75.5	92.2	107.9	123.5	137.6	151.4
-75°	2.8	13.8	25.8	41.3	57.6	72.8	88.6	103.1	117.8	130.5	143.0
-77.5°	2.8	13.5	25.0	40.1	55.8	69.9	84.7	98.1	111.6	123.1	134.3
-80°	2.8	13.2	24.1	38.8	53.9	67.2	80.6	92.8	105.1	115.5	125.6
-82.5°	2.8	12.8	23.2	37.4	51.8	64.5	77.1	87.7	98.4	107.6	116.8
-85°	2.8	12.4	22.3	35.9	49.7	61.7	73.7	83.3	93.0	100.9	108.6
-87.5°	2.8	12.0	21.3	34.3	47.4	58.7	70.0	78.8	87.6	94.7	101.8
-90°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.3	1.8	1.8	1.8



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	100.0	105.0	109.6	114.2	118.4	122.5	128.0	133.5	137.7	141.8	146.0
87.5°	2.3	2.3	2.3	2.4	2.1	1.8	1.8	1.8	1.7	1.6	1.6
85°	2.7	2.8	2.8	2.8	2.4	2.1	2.2	2.2	2.3	2.3	2.1
82.5°	3.1	3.2	3.1	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.5
80°	3.6	3.7	3.4	3.1	3.2	3.3	3.2	2.9	2.8	2.9	3.0
77.5°	3.9	3.8	3.6	3.6	3.7	3.9	3.8	3.8	3.8	3.6	3.7
75°	4.1	3.8	3.9	3.8	3.9	4.3	4.6	4.6	4.4	4.3	4.4
72.5°	4.8	4.8	4.7	4.1	4.2	4.6	4.6	4.6	5.7	7.6	9.2
70°	6.0	5.9	5.6	5.3	5.1	5.4	7.0	9.5	12.3	14.9	17.4
67.5°	7.3	7.1	6.7	6.7	7.6	9.2	11.2	17.6	24.4	26.8	27.1
65°	8.6	8.4	8.5	9.6	10.9	15.5	21.5	29.3	35.8	35.3	32.7
62.5°	10.2	11.4	11.5	13.8	18.2	23.8	30.7	37.4	43.2	40.4	33.7
60°	14.5	15.4	17.5	21.7	26.4	31.9	39.1	41.3	42.7	41.7	32.7
57.5°	20.1	22.4	26.8	30.7	36.3	38.8	39.4	39.0	41.5	39.8	30.8
55°	28.1	32.2	38.1	42.1	45.4	40.6	40.0	42.6	42.3	38.7	29.9
52.5°	40.2	44.5	52.6	55.6	53.0	49.2	47.9	50.2	48.3	43.5	37.7
50°	53.3	63.6	69.0	71.4	66.7	66.2	61.4	64.4	67.0	64.6	72.8
47.5°	73.2	85.7	89.7	93.9	91.7	100.1	95.8	111.6	112.8	159.1	172.9
45°	97.2	114.0	118.6	129.7	142.0	156.7	182.1	188.8	265.1	311.4	366.3
42.5°	126.2	147.3	166.3	172.6	227.4	257.1	295.2	366.1	437.0	495.3	536.1
40°	163.5	184.9	225.1	273.1	331.3	381.8	454.7	536.7	604.3	649.0	670.1
37.5°	204.5	246.5	299.2	376.8	447.6	511.7	604.9	687.0	746.9	788.3	793.6
35°	248.6	308.3	394.5	473.2	546.2	633.2	725.6	820.0	869.1	886.9	963.1
32.5°	300.0	368.5	470.6	556.0	638.3	736.8	835.2	916.6	960.0	1010.4	1268.0
30°	348.7	431.6	533.2	624.0	725.9	838.2	932.2	1009.1	1039.0	1303.6	1720.3
27.5°	387.5	486.4	588.4	697.9	814.9	943.2	1038.0	1087.9	1259.6	1651.2	2253.6
25°	423.7	530.1	644.2	780.9	914.0	1041.1	1137.6	1169.5	1526.5	2190.6	2639.6
22.5°	459.1	572.8	705.6	868.7	1004.9	1123.7	1204.3	1397.6	1909.1	2750.1	2983.2
20°	494.5	623.2	772.4	935.0	1085.3	1196.1	1258.1	1638.1	2373.8	2965.2	3227.4
17.5°	528.6	674.0	833.6	990.8	1142.4	1254.7	1334.8	1841.0	2741.8	3158.1	3416.3
15°	561.8	717.3	880.9	1043.2	1197.8	1306.0	1523.4	2138.6	2970.4	3391.5	3664.1
12.5°	593.7	754.4	915.8	1088.7	1251.5	1355.9	1719.0	2499.4	3209.0	3621.4	3916.2
10°	623.7	785.5	946.1	1130.2	1301.4	1399.3	1902.6	2836.4	3427.2	3785.1	4052.3
7.5°	654.1	813.6	973.6	1167.7	1348.4	1438.8	2057.9	3020.9	3512.9	3893.2	4148.3
5°	680.8	839.6	1006.0	1213.9	1394.0	1475.1	2189.0	3145.0	3540.1	3947.2	4217.3
2.5°	703.7	861.2	1034.4	1257.0	1435.1	1508.1	2278.3	3239.6	3572.9	3985.7	4303.2
0°	723.0	878.6	1058.2	1294.0	1469.9	1538.0	2337.4	3290.6	3593.6	4002.5	4398.5
-2.5°	737.1	901.8	1096.3	1325.3	1498.5	1569.2	2356.0	3312.5	3623.8	4095.4	4612.4
-5°	747.4	920.4	1128.2	1350.3	1521.7	1598.0	2342.7	3292.1	3659.8	4181.2	4748.3
-7.5°	753.9	933.8	1152.7	1368.9	1541.1	1630.5	2302.8	3268.7	3772.7	4288.9	4816.7
-10°	757.0	940.7	1156.5	1375.9	1556.7	1662.9	2234.5	3189.3	3854.2	4330.0	4822.3
-12.5°	759.6	942.2	1151.9	1374.7	1566.4	1692.6	2148.6	3094.0	3929.3	4345.4	4787.3
-15°	757.3	939.3	1141.7	1366.1	1578.7	1730.2	2038.8	2917.3	3962.8	4329.2	4721.8
-17.5°	749.7	932.1	1127.7	1355.1	1586.6	1765.1	1894.9	2644.9	3782.7	4279.3	4671.8
-20°	736.7	919.1	1107.6	1334.0	1582.3	1780.3	1891.2	2445.6	3405.3	4181.1	4597.6



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	719.4	900.6	1083.6	1305.9	1557.4	1774.1	1917.6	2225.9	2977.5	4037.2	4485.8
-25°	699.2	877.1	1059.0	1275.7	1522.6	1762.2	1932.1	2023.5	2624.0	3549.7	4308.1
-27.5°	675.9	849.2	1031.0	1235.4	1477.2	1726.7	1908.5	2029.2	2336.5	2992.3	4038.1
-30°	648.4	816.9	994.7	1188.7	1421.7	1659.8	1868.1	2021.8	2111.6	2611.9	3452.6
-32.5°	617.2	779.8	953.4	1143.9	1358.9	1587.7	1808.0	1974.3	2097.4	2261.2	2901.5
-35°	587.5	741.8	907.6	1093.4	1291.7	1506.6	1713.3	1909.4	2063.8	2169.3	2429.6
-37.5°	561.2	700.5	859.7	1038.6	1229.5	1413.5	1610.9	1813.1	1990.0	2135.9	2228.1
-40°	531.2	655.9	810.3	979.4	1149.5	1319.3	1503.8	1696.8	1891.7	2051.9	2192.4
-42.5°	497.5	618.3	756.6	910.4	1066.7	1227.2	1391.4	1574.2	1758.0	1940.6	2088.8
-45°	460.2	576.3	699.3	837.6	979.3	1130.7	1286.3	1444.3	1618.1	1790.5	1952.6
-47.5°	418.2	529.7	646.9	759.9	891.5	1030.4	1175.7	1324.7	1473.5	1631.8	1788.3
-50°	374.4	477.9	586.1	689.5	802.0	928.4	1061.9	1200.6	1340.9	1473.7	1611.5
-52.5°	333.7	421.5	520.4	619.6	718.3	825.8	946.4	1071.7	1201.6	1330.9	1447.4
-55°	289.9	368.8	451.0	544.6	639.0	731.9	829.8	943.2	1053.5	1172.5	1286.9
-57.5°	257.1	315.1	387.2	465.0	553.4	643.3	730.0	815.4	911.5	1011.0	1111.9
-60°	231.0	271.6	326.8	393.1	462.7	545.7	630.9	709.7	782.3	856.3	947.8
-62.5°	206.8	240.2	278.5	324.6	385.1	446.8	520.1	595.3	665.9	733.6	801.7
-65°	195.0	212.6	241.5	275.9	310.5	363.1	419.3	476.8	541.5	603.7	666.9
-67.5°	182.7	199.3	215.3	234.1	265.2	295.9	326.2	376.9	427.6	473.3	519.3
-70°	173.2	186.2	200.6	214.6	228.7	246.8	274.4	302.7	330.1	360.4	399.0
-72.5°	163.8	175.5	187.1	198.4	211.2	224.1	237.4	251.2	271.3	294.7	315.8
-75°	154.2	164.4	174.6	184.8	195.3	206.1	217.2	229.5	242.0	254.6	265.8
-77.5°	144.5	154.1	162.8	171.3	180.4	189.9	199.9	209.9	220.1	230.5	239.3
-80°	134.6	143.6	151.3	158.8	166.5	174.4	182.9	191.5	200.1	208.8	216.5
-82.5°	124.4	132.1	139.0	145.7	152.4	159.0	166.4	173.8	181.3	188.8	195.2
-85°	114.6	120.4	126.4	132.2	138.1	143.9	150.5	157.1	163.3	169.6	175.1
-87.5°	107.3	112.8	117.7	122.6	127.3	131.9	137.6	143.3	148.2	153.1	157.6
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.4	0.9	0.9



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	150.1	152.9	155.6	157.9	160.2	163.5	166.7	171.3	175.9	181.5	187.0
87.5°	1.6	1.7	1.7	1.3	0.9	0.9	0.9	0.9	0.9	1.3	1.8
85°	1.8	1.8	1.8	2.1	2.4	2.5	2.6	2.6	2.7	2.7	2.8
82.5°	2.3	2.3	2.4	2.6	2.8	2.8	2.8	2.8	2.8	3.2	3.6
80°	3.0	3.1	3.2	3.3	3.4	3.2	2.8	2.8	2.8	3.2	3.7
77.5°	3.8	3.8	3.7	3.6	3.3	3.0	2.8	2.8	2.8	2.8	2.9
75°	4.5	4.6	4.9	5.2	5.6	5.7	5.3	5.4	5.6	5.6	5.3
72.5°	10.1	10.4	10.4	11.6	12.7	13.2	13.5	14.4	15.5	16.9	18.5
70°	19.8	21.8	22.6	22.7	21.8	21.2	20.8	20.7	21.1	22.0	23.2
67.5°	28.5	29.4	29.0	28.6	26.9	24.9	22.6	21.3	21.8	22.9	24.3
65°	32.2	29.7	27.9	27.2	25.6	23.1	19.6	17.1	16.6	16.2	16.1
62.5°	29.0	24.5	22.3	21.0	18.8	16.7	13.4	10.9	10.0	9.4	9.2
60°	25.3	19.6	16.2	14.5	12.1	9.4	7.7	6.0	5.4	5.0	5.1
57.5°	22.0	16.2	12.2	11.5	9.3	7.3	5.9	4.4	3.9	3.7	3.8
55°	22.6	19.7	16.6	14.8	12.3	11.2	9.8	8.9	8.2	8.4	8.9
52.5°	31.9	34.3	30.2	29.1	36.3	36.4	30.0	39.8	45.8	50.3	51.6
50°	82.5	81.9	108.8	104.3	129.2	149.5	150.3	162.7	186.2	202.4	211.1
47.5°	219.0	243.6	275.0	307.9	333.7	365.9	398.4	422.7	428.7	429.3	433.6
45°	412.3	447.4	494.6	529.2	578.0	608.1	633.0	655.6	707.8	755.8	811.8
42.5°	575.7	614.1	663.0	733.4	784.8	921.8	1131.6	1183.2	1190.6	1233.3	1295.4
40°	704.7	755.0	863.8	1018.0	1346.6	1641.2	1694.3	1738.7	1758.1	1734.5	1776.7
37.5°	861.0	978.8	1223.6	1645.3	1801.1	1881.3	1937.8	1971.7	2012.8	2050.9	2071.6
35°	1120.3	1448.7	1663.3	1888.5	1990.4	2031.0	2072.5	2114.2	2146.6	2188.7	2222.4
32.5°	1652.6	2018.3	2039.8	2095.4	2148.6	2201.5	2240.1	2279.9	2314.4	2369.0	2483.5
30°	2188.9	2268.6	2288.1	2293.1	2341.6	2404.9	2438.5	2518.9	2627.3	2751.6	3016.2
27.5°	2474.4	2529.2	2540.6	2546.1	2568.7	2643.6	2782.6	2892.2	3152.5	3468.2	4148.2
25°	2822.0	2861.0	2902.3	2900.5	2934.9	3067.7	3339.4	3570.8	4449.9	5272.5	7044.8
22.5°	3153.6	3271.6	3330.4	3409.1	3525.5	3767.2	4243.9	5582.9	7821.8	10679.1	14236.0
20°	3384.1	3542.8	3701.0	3920.8	4202.1	4703.6	6192.8	10199.9	14985.2	21928.8	27752.8
17.5°	3616.6	3795.9	4075.6	4414.8	4887.1	6570.9	10937.1	17740.9	27567.9	39895.2	50711.2
15°	3919.8	4132.5	4507.1	4991.2	6311.2	9905.5	17188.9	29569.1	44508.1	61836.9	80014.5
12.5°	4126.2	4419.4	4864.7	5489.9	7656.6	14388.3	26115.3	43087.1	63648.3	85483.0	114458.5
10°	4278.8	4629.4	5234.2	6530.5	10459.4	19336.4	33428.5	54609.2	82797.9	116075.4	149203.1
7.5°	4406.9	4879.1	5638.4	7271.8	12877.5	24069.2	42032.4	67776.5	101128.5	141226.3	179750.9
5°	4522.0	5148.0	6027.3	8070.8	15044.2	27496.0	47754.1	77610.0	116232.0	160025.5	202559.3
2.5°	4674.3	5399.8	6279.7	8290.8	15911.5	29394.7	52287.9	85550.4	127015.7	173083.5	219360.4
0°	4885.7	5563.6	6433.9	8431.5	15641.7	30584.4	55066.4	89535.5	131741.5	178568.0	227104.9
-2.5°	5052.0	5657.9	6523.7	8318.1	15509.7	30024.9	53812.5	87212.5	127114.9	172362.9	220778.9
-5°	5159.5	5725.6	6563.1	8360.4	15177.0	27886.4	50108.7	81126.2	117693.2	158538.2	203308.5
-7.5°	5222.4	5750.3	6522.2	8093.9	13665.4	24973.1	43516.0	69907.7	102711.3	140507.0	177506.6
-10°	5260.0	5734.3	6436.8	7716.7	11494.5	20295.1	34354.9	56722.5	85145.0	115600.3	145864.6
-12.5°	5274.2	5700.4	6316.4	7176.6	9215.9	15888.6	27347.8	43222.1	64320.4	89303.0	115970.9
-15°	5246.5	5651.2	6200.0	6944.8	8301.6	11911.0	19082.8	29879.2	45605.1	64679.3	84004.2
-17.5°	5143.4	5600.4	6027.6	6599.5	7398.1	9100.2	13465.2	20395.0	29985.1	42592.9	53742.3
-20°	5006.9	5504.5	5870.3	6375.7	7002.8	7781.8	9181.7	13410.9	18788.3	26087.5	33364.4



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4885.3	5340.6	5800.6	6147.5	6638.6	7150.6	7782.8	8992.6	11694.7	15338.8	19951.9
-25°	4773.2	5189.9	5662.0	6037.1	6314.1	6676.1	7072.2	7496.0	8413.9	9274.4	11499.9
-27.5°	4615.3	5047.1	5456.4	5856.8	6123.7	6288.0	6557.9	6821.3	7205.7	7547.5	8201.1
-30°	4431.6	4854.0	5243.5	5607.3	5880.8	6053.6	6187.4	6368.6	6572.0	6778.9	7059.7
-32.5°	3777.0	4627.3	4989.8	5318.3	5600.4	5803.6	5945.3	6064.2	6181.7	6314.1	6462.1
-35°	3059.9	3899.7	4717.9	4974.0	5240.6	5509.6	5719.7	5831.9	5934.2	6026.9	6117.4
-37.5°	2487.9	3080.4	3814.7	4512.7	4836.6	5108.2	5360.7	5556.8	5700.1	5787.1	5868.5
-40°	2264.0	2414.1	2978.9	3553.6	4106.3	4608.1	4864.9	5154.8	5390.4	5518.1	5606.8
-42.5°	2210.4	2279.4	2332.1	2696.2	3135.9	3559.0	4027.3	4492.0	4856.7	5099.9	5280.7
-45°	2093.2	2192.4	2271.1	2303.5	2323.4	2631.9	2994.5	3349.5	3759.0	4182.1	4566.2
-47.5°	1927.1	2056.1	2144.9	2214.4	2256.0	2269.0	2294.6	2374.2	2671.6	2984.3	3282.0
-50°	1741.8	1860.0	1966.5	2063.2	2120.7	2167.4	2212.0	2254.8	2291.1	2336.9	2378.1
-52.5°	1555.2	1663.5	1759.2	1844.1	1920.4	1994.0	2064.8	2117.7	2169.4	2224.9	2270.0
-55°	1389.0	1476.9	1557.0	1631.5	1700.4	1762.6	1826.5	1894.9	1965.6	2034.8	2088.5
-57.5°	1211.3	1295.4	1371.3	1434.5	1489.8	1536.2	1595.0	1659.0	1725.6	1787.2	1834.0
-60°	1032.1	1106.4	1175.9	1237.1	1289.7	1332.9	1387.1	1441.3	1500.7	1553.5	1595.1
-62.5°	861.9	924.5	983.6	1037.1	1084.8	1128.7	1176.9	1225.3	1281.0	1330.1	1370.0
-65°	720.4	769.0	809.4	847.3	876.9	914.9	961.5	1006.1	1054.7	1097.2	1132.7
-67.5°	567.3	612.0	649.1	682.2	708.2	735.3	769.8	805.3	843.0	876.8	906.6
-70°	433.4	463.6	487.6	512.3	539.0	564.8	592.4	622.8	654.4	682.3	706.9
-72.5°	334.3	349.3	363.3	383.4	401.3	419.3	436.8	458.5	482.0	503.2	522.3
-75°	276.2	285.4	296.1	305.7	314.0	323.6	333.3	347.4	362.8	377.4	391.1
-77.5°	247.9	254.5	259.9	264.3	268.2	274.0	280.2	290.8	302.1	314.4	326.7
-80°	223.7	228.8	233.4	237.3	240.8	245.6	250.6	259.8	269.5	279.9	290.3
-82.5°	201.5	205.5	209.2	212.7	216.1	220.2	224.3	232.4	240.8	249.5	258.0
-85°	180.5	184.0	187.1	190.1	192.9	196.4	199.9	206.8	213.8	221.1	228.4
-87.5°	162.2	165.3	168.4	171.0	173.6	176.6	179.6	185.8	191.9	198.1	204.2
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	187.5	187.9	188.4	188.8	188.4	187.9	187.5	187.0	181.5	175.9	171.3
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.3	0.9	0.9
85°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6
82.5°	3.2	2.8	3.2	3.7	3.2	2.8	3.2	3.6	3.2	2.8	2.8
80°	3.3	2.8	3.2	3.7	3.2	2.8	3.3	3.7	3.2	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.8	2.8	2.8
75°	4.6	3.7	3.3	2.8	3.3	3.7	4.6	5.3	5.6	5.6	5.4
72.5°	18.9	18.9	19.2	19.3	19.2	18.9	18.9	18.5	16.9	15.5	14.4
70°	24.0	24.7	24.9	24.9	24.9	24.7	24.0	23.2	22.0	21.1	20.7
67.5°	24.5	24.0	23.5	23.0	23.5	24.0	24.5	24.3	22.9	21.8	21.3
65°	15.3	14.3	12.7	11.1	12.7	14.3	15.3	16.1	16.2	16.6	17.1
62.5°	8.9	8.6	8.3	8.3	8.3	8.6	8.9	9.2	9.4	10.0	10.9
60°	5.2	5.5	5.5	5.5	5.5	5.5	5.2	5.1	5.0	5.4	6.0
57.5°	4.0	4.5	5.0	5.5	5.0	4.5	4.0	3.8	3.7	3.9	4.4
55°	9.4	10.5	11.0	11.1	11.0	10.5	9.4	8.9	8.4	8.2	8.9
52.5°	49.7	47.2	45.1	43.3	45.1	47.2	49.7	51.6	50.3	45.8	39.8
50°	215.0	220.6	223.2	222.9	223.2	220.6	215.0	211.1	202.4	186.2	162.7
47.5°	442.7	445.9	443.3	436.5	443.3	445.9	442.7	433.6	429.3	428.7	422.7
45°	880.3	842.1	774.4	714.7	774.4	842.1	880.3	811.8	755.8	707.8	655.6
42.5°	1377.9	1423.6	1457.8	1473.5	1457.8	1423.6	1377.9	1295.4	1233.3	1190.6	1183.2
40°	1729.2	1680.5	1670.6	1678.0	1670.6	1680.5	1729.2	1776.7	1734.5	1758.1	1738.7
37.5°	2076.8	2121.1	2154.0	2100.7	2154.0	2121.1	2076.8	2071.6	2050.9	2012.8	1971.7
35°	2300.7	2458.3	2643.3	2699.4	2643.3	2458.3	2300.7	2222.4	2188.7	2146.6	2114.2
32.5°	2675.3	2841.6	2913.7	2931.4	2913.7	2841.6	2675.3	2483.5	2369.0	2314.4	2279.9
30°	3271.2	3437.3	3467.2	3491.4	3467.2	3437.3	3271.2	3016.2	2751.6	2627.3	2518.9
27.5°	4599.5	4971.2	5059.5	5121.5	5059.5	4971.2	4599.5	4148.2	3468.2	3152.5	2892.2
25°	8443.9	9411.0	10042.7	9981.4	10042.7	9411.0	8443.9	7044.8	5272.5	4449.9	3570.8
22.5°	17799.9	19698.2	20711.2	20693.2	20711.2	19698.2	17799.9	14236.0	10679.1	7821.8	5582.9
20°	36050.1	41667.1	44707.4	44361.1	44707.4	41667.1	36050.1	27752.8	21928.8	14985.2	10199.9
17.5°	62859.8	73708.7	81288.1	81598.6	81288.1	73708.7	62859.8	50711.2	39895.2	27567.9	17740.9
15°	97199.9	113297.1	124660.7	124659.3	124660.7	113297.1	97199.9	80014.5	61836.9	44508.1	29569.1
12.5°	138993.9	158235.3	171237.1	173186.9	171237.1	158235.3	138993.9	114458.5	85483.0	63648.3	43087.1
10°	179105.1	200899.8	220555.6	225967.5	220555.6	200899.8	179105.1	149203.1	116075.4	82797.9	54609.2
7.5°	213056.0	247340.8	265245.3	270884.4	265245.3	247340.8	213056.0	179750.9	141226.3	101128.5	67776.5
5°	246380.9	276057.3	291089.6	295441.5	291089.6	276057.3	246380.9	202559.3	160025.5	116232.0	77610.0
2.5°	263910.8	291150.8	312279.0	324532.1	312279.0	291150.8	263910.8	219360.4	173083.5	127015.7	85550.4
0°	270506.4	296386.4	324721.4	344020.7	324721.4	296386.4	270506.4	227104.9	178568.0	131741.5	89535.5
-2.5°	263909.4	288951.5	309832.5	319998.7	309832.5	288951.5	263909.4	220778.9	172362.9	127114.9	87212.5
-5°	243911.8	273367.0	288570.0	292418.9	288570.0	273367.0	243911.8	203308.5	158538.2	117693.2	81126.2
-7.5°	211972.9	240301.2	258941.2	263139.6	258941.2	240301.2	211972.9	177506.6	140507.0	102711.3	69907.7
-10°	176415.4	200612.7	213187.7	216297.3	213187.7	200612.7	176415.4	145864.6	115600.3	85145.0	56722.5
-12.5°	137078.7	154823.9	167660.3	169402.6	167660.3	154823.9	137078.7	115970.9	89303.0	64320.4	43222.1
-15°	102033.9	113769.7	124118.5	125307.6	124118.5	113769.7	102033.9	84004.2	64679.3	45605.1	29879.2
-17.5°	68357.5	78073.7	83864.1	85534.8	83864.1	78073.7	68357.5	53742.3	42592.9	29985.1	20395.0
-20°	40957.4	47910.1	51769.0	51914.0	51769.0	47910.1	40957.4	33364.4	26087.5	18788.3	13410.9



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	23761.5	27630.0	29671.7	29632.1	29671.7	27630.0	23761.5	19951.9	15338.8	11694.7	8992.6
-25°	13703.7	15397.5	16073.5	16097.6	16073.5	15397.5	13703.7	11499.9	9274.4	8413.9	7496.0
-27.5°	8725.7	9114.6	9270.3	9295.3	9270.3	9114.6	8725.7	8201.1	7547.5	7205.7	6821.3
-30°	7315.8	7543.3	7647.8	7677.2	7647.8	7543.3	7315.8	7059.7	6778.9	6572.0	6368.6
-32.5°	6601.1	6726.5	6810.9	6798.6	6810.9	6726.5	6601.1	6462.1	6314.1	6181.7	6064.2
-35°	6205.9	6283.5	6331.0	6353.7	6331.0	6283.5	6205.9	6117.4	6026.9	5934.2	5831.9
-37.5°	5949.7	6019.1	6064.0	6077.5	6064.0	6019.1	5949.7	5868.5	5787.1	5700.1	5556.8
-40°	5683.1	5740.8	5777.8	5791.0	5777.8	5740.8	5683.1	5606.8	5518.1	5390.4	5154.8
-42.5°	5395.3	5457.3	5486.8	5487.1	5486.8	5457.3	5395.3	5280.7	5099.9	4856.7	4492.0
-45°	4881.3	5072.1	5167.7	5172.1	5167.7	5072.1	4881.3	4566.2	4182.1	3759.0	3349.5
-47.5°	3552.8	3741.4	3893.0	4005.3	3893.0	3741.4	3552.8	3282.0	2984.3	2671.6	2374.2
-50°	2414.2	2426.6	2427.4	2416.6	2427.4	2426.6	2414.2	2378.1	2336.9	2291.1	2254.8
-52.5°	2305.2	2318.1	2327.5	2332.8	2327.5	2318.1	2305.2	2270.0	2224.9	2169.4	2117.7
-55°	2128.3	2144.6	2151.2	2148.6	2151.2	2144.6	2128.3	2088.5	2034.8	1965.6	1894.9
-57.5°	1865.4	1876.2	1881.2	1879.7	1881.2	1876.2	1865.4	1834.0	1787.2	1725.6	1659.0
-60°	1620.6	1628.6	1633.2	1632.9	1633.2	1628.6	1620.6	1595.1	1553.5	1500.7	1441.3
-62.5°	1392.4	1399.5	1404.7	1405.4	1404.7	1399.5	1392.4	1370.0	1330.1	1281.0	1225.3
-65°	1150.5	1155.8	1159.3	1158.6	1159.3	1155.8	1150.5	1132.7	1097.2	1054.7	1006.1
-67.5°	919.6	923.5	926.6	926.5	926.6	923.5	919.6	906.6	876.8	843.0	805.3
-70°	714.7	715.0	716.5	715.6	716.5	715.0	714.7	706.9	682.3	654.4	622.8
-72.5°	526.8	526.3	526.0	524.0	526.0	526.3	526.8	522.3	503.2	482.0	458.5
-75°	392.4	391.0	389.7	387.7	389.7	391.0	392.4	391.1	377.4	362.8	347.4
-77.5°	328.1	328.1	325.9	323.3	325.9	328.1	328.1	326.7	314.4	302.1	290.8
-80°	290.9	290.5	289.6	288.3	289.6	290.5	290.9	290.3	279.9	269.5	259.8
-82.5°	258.9	259.4	259.2	258.8	259.2	259.4	258.9	258.0	249.5	240.8	232.4
-85°	229.3	230.0	229.7	229.3	229.7	230.0	229.3	228.4	221.1	213.8	206.8
-87.5°	204.8	205.3	205.4	205.4	205.4	205.3	204.8	204.2	198.1	191.9	185.8
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	166.7	163.5	160.2	157.9	155.6	152.9	150.1	146.0	141.8	137.7	133.5
87.5°	0.9	0.9	0.9	1.3	1.7	1.7	1.6	1.6	1.6	1.7	1.8
85°	2.6	2.5	2.4	2.1	1.8	1.8	1.8	2.1	2.3	2.3	2.2
82.5°	2.8	2.8	2.8	2.6	2.4	2.3	2.3	2.5	2.8	2.8	2.8
80°	2.8	3.2	3.4	3.3	3.2	3.1	3.0	3.0	2.9	2.8	2.9
77.5°	2.8	3.0	3.3	3.6	3.7	3.8	3.8	3.7	3.6	3.8	3.8
75°	5.3	5.7	5.6	5.2	4.9	4.6	4.5	4.4	4.3	4.4	4.6
72.5°	13.5	13.2	12.7	11.6	10.4	10.4	10.1	9.2	7.6	5.7	4.6
70°	20.8	21.2	21.8	22.7	22.6	21.8	19.8	17.4	14.9	12.3	9.5
67.5°	22.6	24.9	26.9	28.6	29.0	29.4	28.5	27.1	26.8	24.4	17.6
65°	19.6	23.1	25.6	27.2	27.9	29.7	32.2	32.7	35.3	35.8	29.3
62.5°	13.4	16.7	18.8	21.0	22.3	24.5	29.0	33.7	40.4	43.2	37.4
60°	7.7	9.4	12.1	14.5	16.2	19.6	25.3	32.7	41.7	42.7	41.3
57.5°	5.9	7.3	9.3	11.5	12.2	16.2	22.0	30.8	39.8	41.5	39.0
55°	9.8	11.2	12.3	14.8	16.6	19.7	22.6	29.9	38.7	42.3	42.6
52.5°	30.0	36.4	36.3	29.1	30.2	34.3	31.9	37.7	43.5	48.3	50.2
50°	150.3	149.5	129.2	104.3	108.8	81.9	82.5	72.8	64.6	67.0	64.4
47.5°	398.4	365.9	333.7	307.9	275.0	243.6	219.0	172.9	159.1	112.8	111.6
45°	633.0	608.1	578.0	529.2	494.6	447.4	412.3	366.3	311.4	265.1	188.8
42.5°	1131.6	921.8	784.8	733.4	663.0	614.1	575.7	536.1	495.3	437.0	366.1
40°	1694.3	1641.2	1346.6	1018.0	863.8	755.0	704.7	670.1	649.0	604.3	536.7
37.5°	1937.8	1881.3	1801.1	1645.3	1223.6	978.8	861.0	793.6	788.3	746.9	687.0
35°	2072.5	2031.0	1990.4	1888.5	1663.3	1448.7	1120.3	963.1	886.9	869.1	820.0
32.5°	2240.1	2201.5	2148.6	2095.4	2039.8	2018.3	1652.6	1268.0	1010.4	960.0	916.6
30°	2438.5	2404.9	2341.6	2293.1	2288.1	2268.6	2188.9	1720.3	1303.6	1039.0	1009.1
27.5°	2782.6	2643.6	2568.7	2546.1	2540.6	2529.2	2474.4	2253.6	1651.2	1259.6	1087.9
25°	3339.4	3067.7	2934.9	2900.5	2902.3	2861.0	2822.0	2639.6	2190.6	1526.5	1169.5
22.5°	4243.9	3767.2	3525.5	3409.1	3330.4	3271.6	3153.6	2983.2	2750.1	1909.1	1397.6
20°	6192.8	4703.6	4202.1	3920.8	3701.0	3542.8	3384.1	3227.4	2965.2	2373.8	1638.1
17.5°	10937.1	6570.9	4887.1	4414.8	4075.6	3795.9	3616.6	3416.3	3158.1	2741.8	1841.0
15°	17188.9	9905.5	6311.2	4991.2	4507.1	4132.5	3919.8	3664.1	3391.5	2970.4	2138.6
12.5°	26115.3	14388.3	7656.6	5489.9	4864.7	4419.4	4126.2	3916.2	3621.4	3209.0	2499.4
10°	33428.5	19336.4	10459.4	6530.5	5234.2	4629.4	4278.8	4052.3	3785.1	3427.2	2836.4
7.5°	42032.4	24069.2	12877.5	7271.8	5638.4	4879.1	4406.9	4148.3	3893.2	3512.9	3020.9
5°	47754.1	27496.0	15044.2	8070.8	6027.3	5148.0	4522.0	4217.3	3947.2	3540.1	3145.0
2.5°	52287.9	29394.7	15911.5	8290.8	6279.7	5399.8	4674.3	4303.2	3985.7	3572.9	3239.6
0°	55066.4	30584.4	15641.7	8431.5	6433.9	5563.6	4885.7	4398.5	4002.5	3593.6	3290.6
-2.5°	53812.5	30024.9	15509.7	8318.1	6523.7	5657.9	5052.0	4612.4	4095.4	3623.8	3312.5
-5°	50108.7	27886.4	15177.0	8360.4	6563.1	5725.6	5159.5	4748.3	4181.2	3659.8	3292.1
-7.5°	43516.0	24973.1	13665.4	8093.9	6522.2	5750.3	5222.4	4816.7	4288.9	3772.7	3268.7
-10°	34354.9	20295.1	11494.5	7716.7	6436.8	5734.3	5260.0	4822.3	4330.0	3854.2	3189.3
-12.5°	27347.8	15888.6	9215.9	7176.6	6316.4	5700.4	5274.2	4787.3	4345.4	3929.3	3094.0
-15°	19082.8	11911.0	8301.6	6944.8	6200.0	5651.2	5246.5	4721.8	4329.2	3962.8	2917.3
-17.5°	13465.2	9100.2	7398.1	6599.5	6027.6	5600.4	5143.4	4671.8	4279.3	3782.7	2644.9
-20°	9181.7	7781.8	7002.8	6375.7	5870.3	5504.5	5006.9	4597.6	4181.1	3405.3	2445.6



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7782.8	7150.6	6638.6	6147.5	5800.6	5340.6	4885.3	4485.8	4037.2	2977.5	2225.9
-25°	7072.2	6676.1	6314.1	6037.1	5662.0	5189.9	4773.2	4308.1	3549.7	2624.0	2023.5
-27.5°	6557.9	6288.0	6123.7	5856.8	5456.4	5047.1	4615.3	4038.1	2992.3	2336.5	2029.2
-30°	6187.4	6053.6	5880.8	5607.3	5243.5	4854.0	4431.6	3452.6	2611.9	2111.6	2021.8
-32.5°	5945.3	5803.6	5600.4	5318.3	4989.8	4627.3	3777.0	2901.5	2261.2	2097.4	1974.3
-35°	5719.7	5509.6	5240.6	4974.0	4717.9	3899.7	3059.9	2429.6	2169.3	2063.8	1909.4
-37.5°	5360.7	5108.2	4836.6	4512.7	3814.7	3080.4	2487.9	2228.1	2135.9	1990.0	1813.1
-40°	4864.9	4608.1	4106.3	3553.6	2978.9	2414.1	2264.0	2192.4	2051.9	1891.7	1696.8
-42.5°	4027.3	3559.0	3135.9	2696.2	2332.1	2279.4	2210.4	2088.8	1940.6	1758.0	1574.2
-45°	2994.5	2631.9	2323.4	2303.5	2271.1	2192.4	2093.2	1952.6	1790.5	1618.1	1444.3
-47.5°	2294.6	2269.0	2256.0	2214.4	2144.9	2056.1	1927.1	1788.3	1631.8	1473.5	1324.7
-50°	2212.0	2167.4	2120.7	2063.2	1966.5	1860.0	1741.8	1611.5	1473.7	1340.9	1200.6
-52.5°	2064.8	1994.0	1920.4	1844.1	1759.2	1663.5	1555.2	1447.4	1330.9	1201.6	1071.7
-55°	1826.5	1762.6	1700.4	1631.5	1557.0	1476.9	1389.0	1286.9	1172.5	1053.5	943.2
-57.5°	1595.0	1536.2	1489.8	1434.5	1371.3	1295.4	1211.3	1111.9	1011.0	911.5	815.4
-60°	1387.1	1332.9	1289.7	1237.1	1175.9	1106.4	1032.1	947.8	856.3	782.3	709.7
-62.5°	1176.9	1128.7	1084.8	1037.1	983.6	924.5	861.9	801.7	733.6	665.9	595.3
-65°	961.5	914.9	876.9	847.3	809.4	769.0	720.4	666.9	603.7	541.5	476.8
-67.5°	769.8	735.3	708.2	682.2	649.1	612.0	567.3	519.3	473.3	427.6	376.9
-70°	592.4	564.8	539.0	512.3	487.6	463.6	433.4	399.0	360.4	330.1	302.7
-72.5°	436.8	419.3	401.3	383.4	363.3	349.3	334.3	315.8	294.7	271.3	251.2
-75°	333.3	323.6	314.0	305.7	296.1	285.4	276.2	265.8	254.6	242.0	229.5
-77.5°	280.2	274.0	268.2	264.3	259.9	254.5	247.9	239.3	230.5	220.1	209.9
-80°	250.6	245.6	240.8	237.3	233.4	228.8	223.7	216.5	208.8	200.1	191.5
-82.5°	224.3	220.2	216.1	212.7	209.2	205.5	201.5	195.2	188.8	181.3	173.8
-85°	199.9	196.4	192.9	190.1	187.1	184.0	180.5	175.1	169.6	163.3	157.1
-87.5°	179.6	176.6	173.6	171.0	168.4	165.3	162.2	157.6	153.1	148.2	143.3
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.8



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	128.0	122.5	118.4	114.2	109.6	105.0	100.0	94.9	88.5	82.0	74.2
87.5°	1.8	1.8	2.1	2.4	2.3	2.3	2.3	2.2	2.4	2.5	2.7
85°	2.2	2.1	2.4	2.8	2.8	2.8	2.7	2.7	2.9	3.1	3.1
82.5°	2.8	2.7	2.7	2.8	3.1	3.2	3.1	3.1	3.4	3.7	3.6
80°	3.2	3.3	3.2	3.1	3.4	3.7	3.6	3.5	3.8	4.0	4.0
77.5°	3.8	3.9	3.7	3.6	3.6	3.8	3.9	3.9	4.1	4.4	4.4
75°	4.6	4.3	3.9	3.8	3.9	3.8	4.1	4.4	4.7	4.8	4.8
72.5°	4.6	4.6	4.2	4.1	4.7	4.8	4.8	4.9	5.3	5.5	5.4
70°	7.0	5.4	5.1	5.3	5.6	5.9	6.0	6.2	6.0	6.3	6.4
67.5°	11.2	9.2	7.6	6.7	6.7	7.1	7.3	7.7	7.7	7.2	7.4
65°	21.5	15.5	10.9	9.6	8.5	8.4	8.6	9.4	9.4	9.2	8.4
62.5°	30.7	23.8	18.2	13.8	11.5	11.4	10.2	11.3	11.4	11.3	10.2
60°	39.1	31.9	26.4	21.7	17.5	15.4	14.5	13.5	13.8	13.5	12.4
57.5°	39.4	38.8	36.3	30.7	26.8	22.4	20.1	18.3	16.6	16.4	14.6
55°	40.0	40.6	45.4	42.1	38.1	32.2	28.1	24.8	20.8	19.7	17.1
52.5°	47.9	49.2	53.0	55.6	52.6	44.5	40.2	31.8	28.6	23.3	20.4
50°	61.4	66.2	66.7	71.4	69.0	63.6	53.3	44.7	37.1	28.4	24.1
47.5°	95.8	100.1	91.7	93.9	89.7	85.7	73.2	60.2	46.4	37.1	27.9
45°	182.1	156.7	142.0	129.7	118.6	114.0	97.2	77.3	62.2	46.1	31.8
42.5°	295.2	257.1	227.4	172.6	166.3	147.3	126.2	103.5	79.2	55.6	38.4
40°	454.7	381.8	331.3	273.1	225.1	184.9	163.5	133.2	97.4	67.4	46.8
37.5°	604.9	511.7	447.6	376.8	299.2	246.5	204.5	164.9	119.1	84.1	55.5
35°	725.6	633.2	546.2	473.2	394.5	308.3	248.6	200.4	147.0	101.5	64.3
32.5°	835.2	736.8	638.3	556.0	470.6	368.5	300.0	235.6	175.1	119.5	73.6
30°	932.2	838.2	725.9	624.0	533.2	431.6	348.7	268.6	203.2	138.0	84.3
27.5°	1038.0	943.2	814.9	697.9	588.4	486.4	387.5	299.2	231.3	156.8	98.4
25°	1137.6	1041.1	914.0	780.9	644.2	530.1	423.7	327.7	257.6	175.8	111.7
22.5°	1204.3	1123.7	1004.9	868.7	705.6	572.8	459.1	358.8	275.5	193.2	124.2
20°	1258.1	1196.1	1085.3	935.0	772.4	623.2	494.5	383.9	292.0	208.9	135.8
17.5°	1334.8	1254.7	1142.4	990.8	833.6	674.0	528.6	407.4	307.3	223.0	146.5
15°	1523.4	1306.0	1197.8	1043.2	880.9	717.3	561.8	429.7	321.1	235.5	156.2
12.5°	1719.0	1355.9	1251.5	1088.7	915.8	754.4	593.7	450.5	333.5	248.2	164.8
10°	1902.6	1399.3	1301.4	1130.2	946.1	785.5	623.7	473.2	352.0	261.2	172.6
7.5°	2057.9	1438.8	1348.4	1167.7	973.6	813.6	654.1	501.6	370.6	273.2	179.4
5°	2189.0	1475.1	1394.0	1213.9	1006.0	839.6	680.8	527.9	388.0	283.9	185.4
2.5°	2278.3	1508.1	1435.1	1257.0	1034.4	861.2	703.7	551.7	403.9	293.3	190.3
0°	2337.4	1538.0	1469.9	1294.0	1058.2	878.6	723.0	572.8	418.1	301.2	194.3
-2.5°	2356.0	1569.2	1498.5	1325.3	1096.3	901.8	737.1	582.6	427.7	310.1	200.9
-5°	2342.7	1598.0	1521.7	1350.3	1128.2	920.4	747.4	589.3	435.2	317.1	206.4
-7.5°	2302.8	1630.5	1541.1	1368.9	1152.7	933.8	753.9	592.9	440.6	322.3	210.7
-10°	2234.5	1662.9	1556.7	1375.9	1156.5	940.7	757.0	593.4	443.9	325.5	213.7
-12.5°	2148.6	1692.6	1566.4	1374.7	1151.9	942.2	759.6	592.1	444.9	326.7	215.3
-15°	2038.8	1730.2	1578.7	1366.1	1141.7	939.3	757.3	587.5	442.1	324.8	215.4
-17.5°	1894.9	1765.1	1586.6	1355.1	1127.7	932.1	749.7	578.8	436.9	319.5	213.5
-20°	1891.2	1780.3	1582.3	1334.0	1107.6	919.1	736.7	565.8	429.2	312.3	209.9



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1917.6	1774.1	1557.4	1305.9	1083.6	900.6	719.4	548.9	418.9	303.3	205.0
-25°	1932.1	1762.2	1522.6	1275.7	1059.0	877.1	699.2	531.0	406.1	292.4	198.8
-27.5°	1908.5	1726.7	1477.2	1235.4	1031.0	849.2	675.9	518.3	394.6	279.6	191.3
-30°	1868.1	1659.8	1421.7	1188.7	994.7	816.9	648.4	502.9	381.8	269.2	182.5
-32.5°	1808.0	1587.7	1358.9	1143.9	953.4	779.8	617.2	484.6	366.9	260.3	176.8
-35°	1713.3	1506.6	1291.7	1093.4	907.6	741.8	587.5	463.2	350.0	249.1	171.9
-37.5°	1610.9	1413.5	1229.5	1038.6	859.7	700.5	561.2	440.6	331.0	235.6	166.4
-40°	1503.8	1319.3	1149.5	979.4	810.3	655.9	531.2	415.2	312.5	219.8	159.7
-42.5°	1391.4	1227.2	1066.7	910.4	756.6	618.3	497.5	385.7	290.3	208.0	151.9
-45°	1286.3	1130.7	979.3	837.6	699.3	576.3	460.2	353.2	265.6	197.7	146.0
-47.5°	1175.7	1030.4	891.5	759.9	646.9	529.7	418.2	323.1	239.1	185.9	143.7
-50°	1061.9	928.4	802.0	689.5	586.1	477.9	374.4	290.5	223.3	172.0	140.8
-52.5°	946.4	825.8	718.3	619.6	520.4	421.5	333.7	256.8	206.2	164.4	137.4
-55°	829.8	731.9	639.0	544.6	451.0	368.8	289.9	235.4	188.0	159.4	133.7
-57.5°	730.0	643.3	553.4	465.0	387.2	315.1	257.1	212.9	178.9	153.9	131.2
-60°	630.9	545.7	462.7	393.1	326.8	271.6	231.0	194.3	172.1	148.4	128.0
-62.5°	520.1	446.8	385.1	324.6	278.5	240.2	206.8	185.1	164.6	144.0	124.4
-65°	419.3	363.1	310.5	275.9	241.5	212.6	195.0	175.2	157.9	139.1	120.6
-67.5°	326.2	295.9	265.2	234.1	215.3	199.3	182.7	167.0	151.3	133.9	116.7
-70°	274.4	246.8	228.7	214.6	200.6	186.2	173.2	159.3	144.4	128.8	112.4
-72.5°	237.4	224.1	211.2	198.4	187.1	175.5	163.8	151.4	137.6	123.5	107.9
-75°	217.2	206.1	195.3	184.8	174.6	164.4	154.2	143.0	130.5	117.8	103.1
-77.5°	199.9	189.9	180.4	171.3	162.8	154.1	144.5	134.3	123.1	111.6	98.1
-80°	182.9	174.4	166.5	158.8	151.3	143.6	134.6	125.6	115.5	105.1	92.8
-82.5°	166.4	159.0	152.4	145.7	139.0	132.1	124.4	116.8	107.6	98.4	87.7
-85°	150.5	143.9	138.1	132.2	126.4	120.4	114.6	108.6	100.9	93.0	83.3
-87.5°	137.6	131.9	127.3	122.6	117.7	112.8	107.3	101.8	94.7	87.6	78.8
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	66.3	55.7	45.1	32.7	20.3	11.5	2.8
87.5°	3.0	3.1	3.1	3.0	3.0	3.0	2.8
85°	3.3	3.4	3.4	3.3	3.1	3.2	2.8
82.5°	3.5	3.7	3.7	3.5	3.3	3.5	2.8
80°	3.8	4.0	4.0	3.7	3.5	3.7	2.8
77.5°	4.3	4.4	4.4	4.0	3.6	3.9	2.8
75°	4.8	4.9	4.7	4.2	3.8	4.1	2.8
72.5°	5.3	5.4	5.2	4.4	4.1	4.4	2.8
70°	6.0	6.0	5.7	4.7	4.3	4.6	2.8
67.5°	7.1	6.6	6.3	5.2	4.6	4.8	2.8
65°	8.3	7.4	6.9	5.8	4.8	5.1	2.8
62.5°	9.5	8.7	7.5	6.4	5.1	5.3	2.8
60°	10.9	9.9	8.1	6.9	5.5	5.5	2.8
57.5°	12.9	11.3	9.3	7.5	6.1	5.8	2.8
55°	15.1	12.6	10.6	8.1	6.7	6.0	2.8
52.5°	17.3	14.1	11.9	8.7	7.4	6.3	2.8
50°	19.5	16.2	13.2	9.3	8.0	6.5	2.8
47.5°	21.9	18.3	14.6	10.0	8.7	6.8	2.8
45°	25.3	20.5	16.0	11.1	9.4	7.0	2.8
42.5°	28.9	22.8	17.5	12.2	10.2	7.3	2.8
40°	32.7	25.2	19.1	13.5	10.9	7.6	2.8
37.5°	36.8	27.6	21.0	15.1	11.6	7.8	2.8
35°	41.1	30.7	22.8	16.6	12.4	8.1	2.8
32.5°	46.5	34.1	24.7	18.1	13.1	8.3	2.8
30°	54.1	37.5	26.6	19.7	13.9	8.6	2.8
27.5°	61.6	40.9	29.0	21.2	14.6	8.8	2.8
25°	69.0	44.2	31.4	22.7	15.4	9.1	2.8
22.5°	76.3	47.6	33.7	24.2	16.1	9.3	2.8
20°	83.3	51.1	36.0	25.7	16.9	9.6	2.8
17.5°	89.8	54.5	38.3	27.1	17.6	9.8	2.8
15°	95.8	57.6	40.4	28.5	18.3	10.0	2.8
12.5°	101.3	60.6	42.5	29.9	19.0	10.2	2.8
10°	106.4	63.4	44.5	31.2	19.7	10.4	2.8
7.5°	111.0	66.1	46.5	32.5	20.4	10.6	2.8
5°	115.0	68.5	48.3	33.7	21.0	10.8	2.8
2.5°	118.6	70.8	50.0	34.8	21.6	11.0	2.8
0°	121.6	72.8	51.6	35.9	22.1	11.1	2.8
-2.5°	125.5	75.9	53.9	37.5	23.1	11.6	2.8
-5°	128.8	78.7	56.1	39.0	24.0	12.0	2.8
-7.5°	131.5	81.3	58.1	40.4	24.9	12.4	2.8
-10°	133.6	83.7	60.0	41.8	25.8	12.8	2.8
-12.5°	135.0	85.8	61.7	43.0	26.5	13.2	2.8
-15°	135.8	87.6	63.3	44.1	27.3	13.5	2.8
-17.5°	135.9	89.2	64.7	45.1	28.0	13.9	2.8
-20°	135.3	90.6	65.9	46.1	28.6	14.2	2.8



REPORT NUMBER: P731485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	134.3	91.6	67.0	46.8	29.1	14.5	2.8
-25°	132.5	92.5	67.8	47.5	29.6	14.7	2.8
-27.5°	130.1	93.3	68.5	48.1	30.1	14.9	2.8
-30°	126.9	93.8	69.1	48.5	30.4	15.1	2.8
-32.5°	123.0	94.0	69.8	48.8	30.7	15.3	2.8
-35°	121.6	93.9	70.3	49.0	30.9	15.5	2.8
-37.5°	121.2	93.8	70.6	49.0	31.1	15.6	2.8
-40°	120.5	94.0	70.7	49.0	31.2	15.7	2.8
-42.5°	119.5	94.0	70.8	48.9	31.2	15.7	2.8
-45°	118.0	93.7	70.7	48.8	31.1	15.8	2.8
-47.5°	116.1	93.2	70.4	48.6	31.0	15.8	2.8
-50°	114.8	92.5	69.9	48.5	30.8	15.7	2.8
-52.5°	113.3	91.5	69.2	48.3	30.6	15.7	2.8
-55°	111.5	90.2	68.3	47.9	30.2	15.6	2.8
-57.5°	109.5	88.6	67.3	47.5	29.8	15.5	2.8
-60°	107.1	86.7	66.1	46.9	29.4	15.3	2.8
-62.5°	104.6	84.7	65.0	46.2	28.9	15.1	2.8
-65°	101.8	82.5	63.9	45.4	28.4	14.9	2.8
-67.5°	98.8	80.2	62.5	44.5	27.9	14.7	2.8
-70°	95.6	78.0	61.0	43.5	27.2	14.4	2.8
-72.5°	92.2	75.5	59.4	42.4	26.5	14.2	2.8
-75°	88.6	72.8	57.6	41.3	25.8	13.8	2.8
-77.5°	84.7	69.9	55.8	40.1	25.0	13.5	2.8
-80°	80.6	67.2	53.9	38.8	24.1	13.2	2.8
-82.5°	77.1	64.5	51.8	37.4	23.2	12.8	2.8
-85°	73.7	61.7	49.7	35.9	22.3	12.4	2.8
-87.5°	70.0	58.7	47.4	34.3	21.3	12.0	2.8
-90°	2.8	2.8	2.8	2.8	2.8	2.8	2.8

(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

