

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: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-4S-VHE**

Issue Date: 1/29/2024

Test Information

Test Method: LM-79-08
Report Number: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-4S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

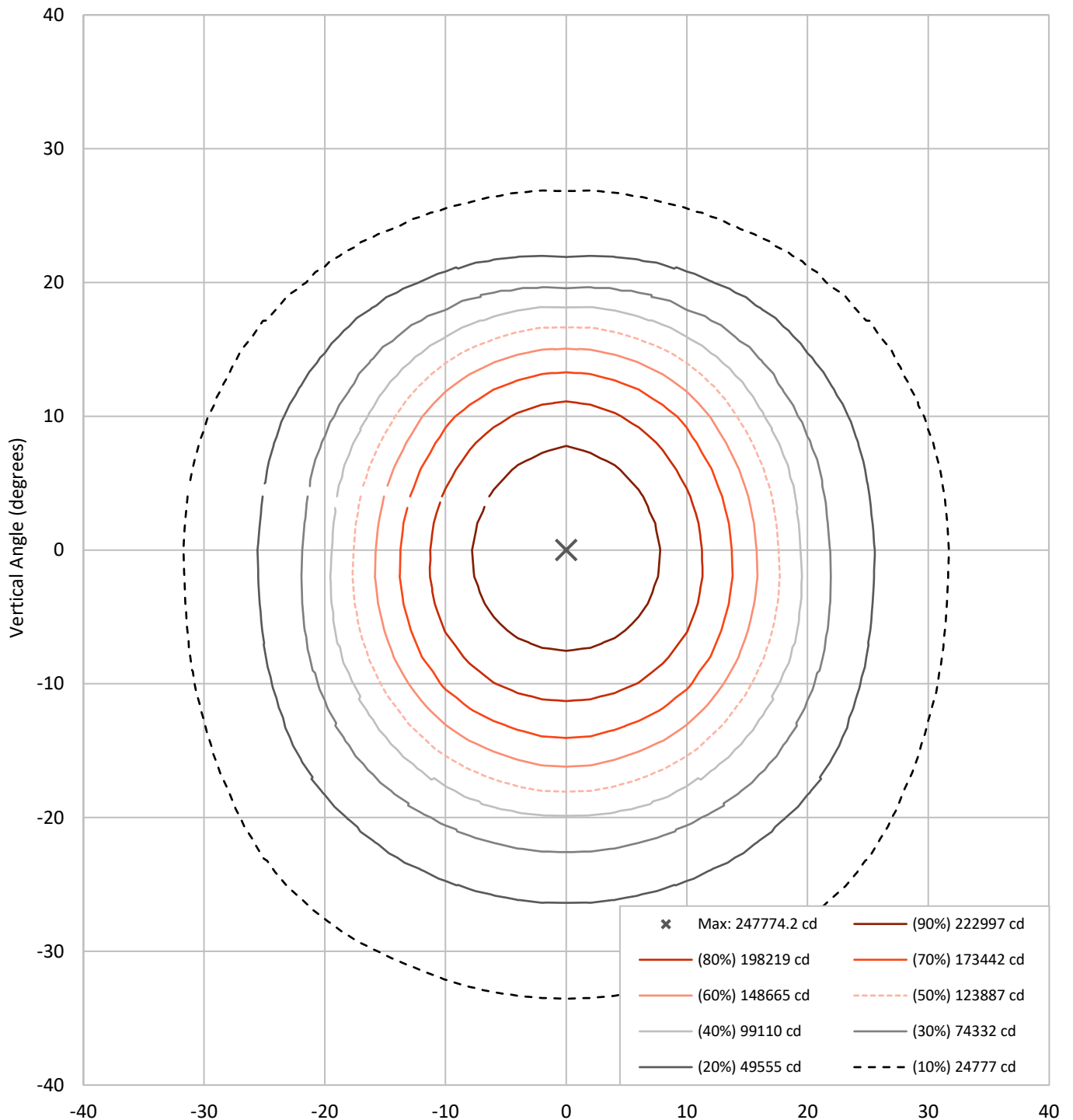
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	102781.7 lumens	Max Intensity:	247774.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	147.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	55166 lumens	Field Lumens:	89771.6 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%

Input Watts (W): 697.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

Iso-Candela Plot





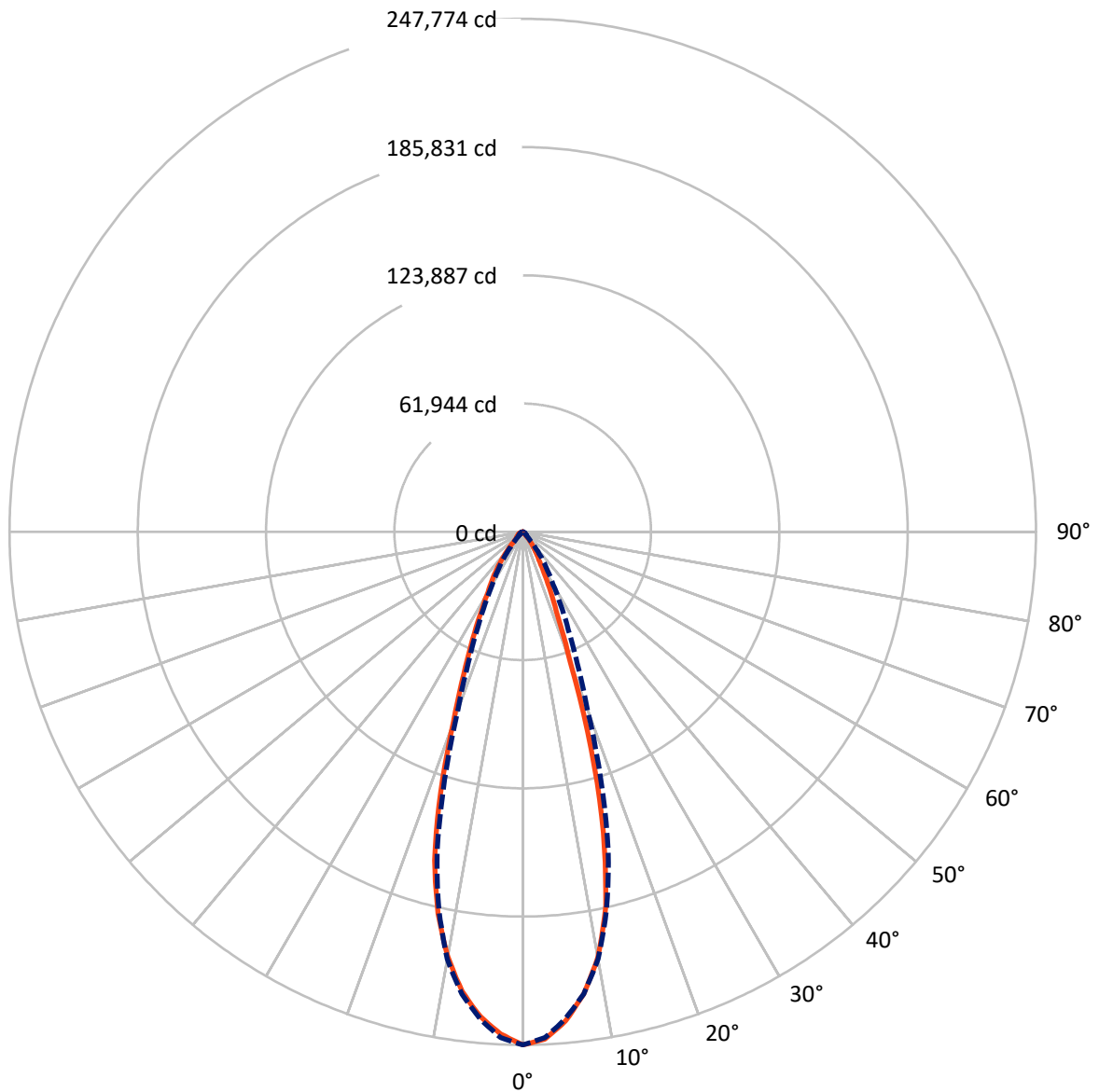
REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

Lumen Table

90	0.3		1.1		1.9		2.7		3.0		2.7		1.9		1.1		0.3		
80	0.3		1.1		1.9		2.7		3.0		2.7		1.9		1.1		0.3		
70	0.4	0.2	0.3	0.6	0.9	0.7	0.7	0.8	0.8	0.7	0.7	0.9	0.6	0.3	0.2	0.4			
60		0.5	0.8	1.4	1.4	1.0	1.2	1.4	1.4	1.2	1.0	1.4	1.4	0.8	0.5				
50	1.0	1.3	2.9	5.9	10.7	17.1	25.0	32.2	32.2	25.0	17.1	10.7	5.9	2.9	1.3	1.0			
40		3.1	9.8	18.7	30.7	71.0	158.6	257.0	257.0	158.6	71.0	30.7	18.7	9.8	3.1				
30	2.2	5.4	16.3	31.6	99.2	305.1	665.8	1009.7	1009.7	665.8	305.1	99.2	31.6	16.3	5.4	2.2			
20		7.3	21.4	50.6	258.2	856.2	2287.7	4065.1	4065.1	2287.7	856.2	258.2	50.6	21.4	7.3				
10	3.3	9.0	25.1	70.1	404.1	1405.4	4159.5	6660.6	6660.6	4159.5	1405.4	404.1	70.1	25.1	9.0	3.3			
0		10.0	27.9	78.4	433.1	1476.0	4360.6	6713.3	6713.3	4360.6	1476.0	433.1	78.4	27.9	10.0				
-10	3.8	10.3	29.5	72.2	345.7	1090.3	2744.9	4509.7	4509.7	2744.9	1090.3	345.7	72.2	29.5	10.3	3.8			
-20		9.6	29.3	61.9	190.2	605.5	1188.9	1716.8	1716.8	1188.9	605.5	190.2	61.9	29.3	9.6				
-30	3.6	8.2	26.4	51.8	91.4	224.7	452.7	625.8	625.8	452.7	224.7	91.4	51.8	26.4	8.2	3.6			
-40		6.4	19.8	41.4	65.3	90.6	123.7	158.4	158.4	123.7	90.6	65.3	41.4	19.8	6.4				
-50	3.0	4.8	12.3	26.9	46.5	62.7	75.7	84.9	84.9	75.7	62.7	46.5	26.9	12.3	4.8	3.0			
-60		3.6	7.3	13.6	23.3	33.1	42.0	48.0	48.0	42.0	33.1	23.3	13.6	7.3	3.6				
-70																			
-80	2.2		13.0		29.4		47.5		58.3		47.5		29.4		13.0		2.2		
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

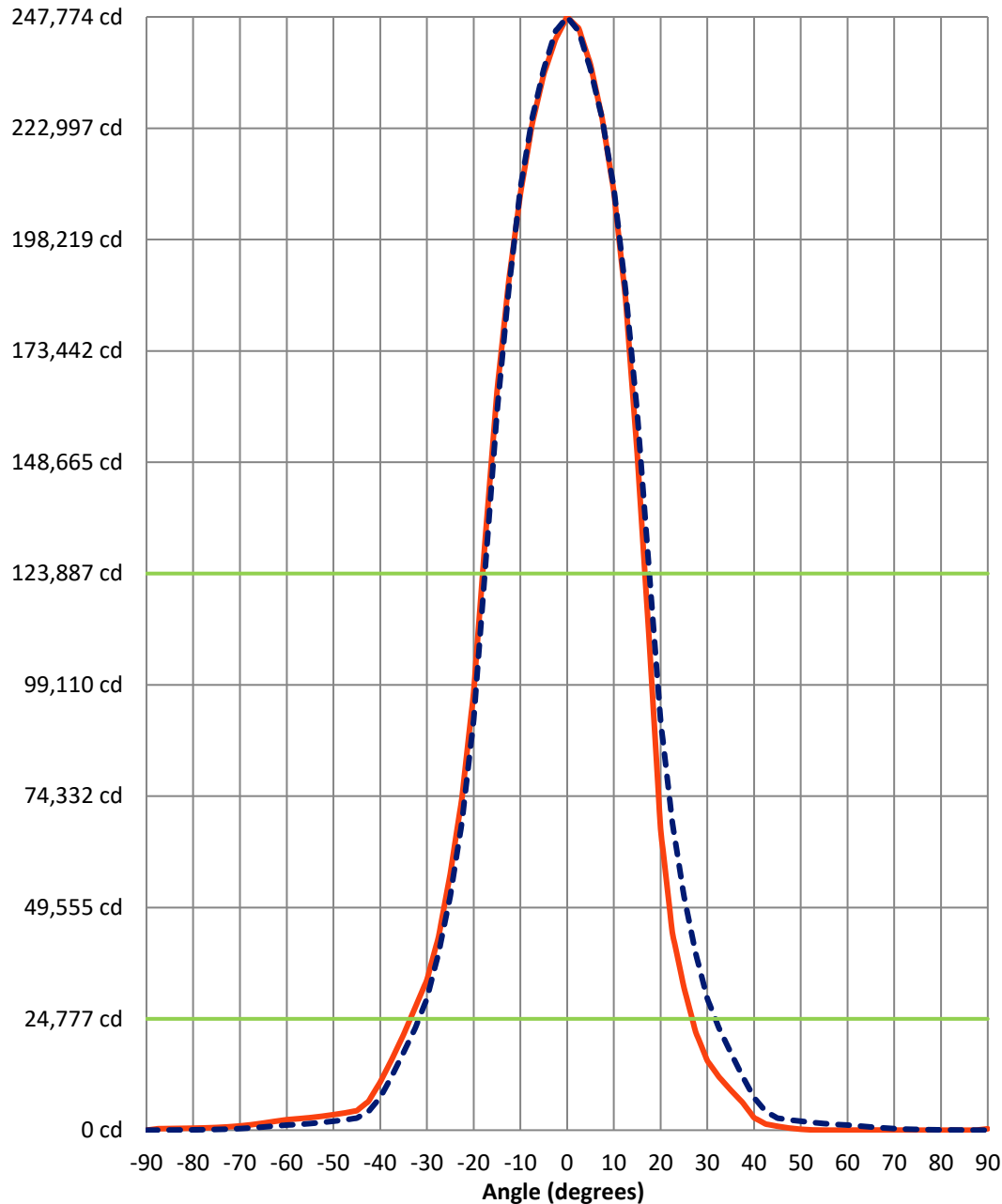
Luminous Intensity Polar Plot



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

REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

Luminous Intensity Plot



Beam:
 H Angle: 35.2°
 V Angle: 34.7°
 Lumens: 55166
 Efficiency: 53.7%

Field:
 H Angle: 63.4°
 V Angle: 60.3°
 Lumens: 89771.6
 Efficiency: 87.3%

Spill:
 Lumens: 13010.1
 Efficiency: 12.7%

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



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	11.0	20.8	30.6	50.2	69.9	87.6	105.4	119.5	133.6	142.8	152.0
87.5°	11.0	10.0	8.8	8.9	9.0	9.0	8.9	8.4	7.8	7.9	7.9
85°	11.0	10.2	9.0	9.2	9.4	9.4	9.2	8.7	8.2	8.3	8.4
82.5°	11.0	10.5	9.3	9.5	9.8	9.8	9.6	9.1	8.7	8.9	8.9
80°	11.0	10.7	9.5	9.8	10.3	10.2	9.9	9.7	9.5	9.6	9.5
77.5°	11.0	10.9	9.7	10.2	10.7	10.7	10.6	10.5	10.4	10.3	9.9
75°	11.0	11.1	10.0	10.5	11.1	11.2	11.3	11.3	11.2	10.8	10.1
72.5°	11.0	11.4	10.3	10.8	11.5	11.8	11.9	12.0	11.8	11.2	10.3
70°	11.0	11.6	10.6	11.1	12.0	12.3	12.6	12.7	12.4	11.7	11.3
67.5°	11.0	11.8	10.9	11.6	12.5	12.9	13.4	13.3	13.0	12.7	12.4
65°	11.0	12.1	11.2	12.1	13.0	13.7	14.4	14.1	14.5	13.8	13.9
62.5°	11.0	12.3	11.6	12.6	13.5	14.8	15.4	15.7	16.2	15.3	16.6
60°	11.0	12.6	12.0	13.1	14.1	15.9	16.5	17.8	18.1	19.3	19.8
57.5°	11.0	12.8	12.7	13.6	15.4	17.2	18.8	20.2	22.5	24.1	26.7
55°	11.0	13.1	13.4	14.1	16.7	18.4	21.4	22.9	27.9	30.4	35.9
52.5°	11.0	13.3	14.1	14.7	18.2	20.0	24.1	28.3	33.8	41.1	45.8
50°	11.0	13.6	14.9	15.2	19.7	22.8	26.9	34.3	41.4	52.5	59.3
47.5°	11.0	13.9	15.8	15.9	21.2	25.7	30.3	40.4	52.6	64.6	74.7
45°	11.0	14.1	16.7	17.2	22.8	28.7	35.8	46.9	64.5	79.6	91.0
42.5°	11.0	14.4	17.6	18.4	24.5	31.9	41.5	56.0	76.9	95.4	117.4
40°	11.0	14.7	18.5	20.2	26.7	35.2	47.5	67.1	90.5	111.9	147.9
37.5°	11.0	14.9	19.5	22.4	29.3	38.6	53.8	78.4	106.3	133.4	181.0
35°	11.0	15.2	20.6	24.5	31.9	43.1	60.1	90.0	122.7	164.0	221.0
32.5°	11.0	15.5	21.6	26.7	34.5	48.1	67.3	101.5	139.7	195.4	266.7
30°	11.0	15.7	22.7	29.0	37.1	53.0	76.6	113.4	157.2	227.3	310.3
27.5°	11.0	16.0	23.8	31.2	40.7	57.8	85.7	126.3	176.5	259.7	351.6
25°	11.0	16.2	25.0	33.4	44.3	62.6	94.6	138.6	198.7	293.4	390.8
22.5°	11.0	16.5	26.1	35.7	47.8	67.5	103.1	150.3	219.4	319.6	431.0
20°	11.0	16.7	27.2	37.9	51.3	73.1	111.3	161.3	238.7	344.1	463.5
17.5°	11.0	17.0	28.3	40.1	54.7	78.5	119.7	171.7	256.5	366.8	493.8
15°	11.0	17.2	29.5	42.2	57.9	83.8	128.1	182.1	272.6	387.6	522.4
12.5°	11.0	17.4	30.6	44.3	61.1	88.8	136.0	192.6	288.9	406.4	548.9
10°	11.0	17.7	31.6	46.4	64.1	93.7	143.3	202.5	304.9	430.8	578.1
7.5°	11.0	17.9	32.7	48.4	67.0	98.3	150.0	211.6	319.5	454.7	615.4
5°	11.0	18.0	33.7	50.3	69.7	102.6	156.2	219.9	332.4	477.0	650.7
2.5°	11.0	18.2	34.6	52.2	72.3	106.6	161.8	227.5	343.6	497.2	683.1
0°	11.0	18.4	35.5	53.9	74.8	110.3	166.7	234.1	353.0	514.8	712.2
-2.5°	11.0	19.1	36.9	56.2	78.3	114.7	172.4	242.1	365.4	529.3	726.8
-5°	11.0	19.7	38.2	58.4	81.6	118.8	177.5	249.2	375.7	540.8	737.4
-7.5°	11.0	20.3	39.4	60.4	84.7	122.6	181.8	255.1	383.8	549.3	744.1
-10°	11.0	20.9	40.5	62.3	87.6	125.9	185.4	260.0	389.4	554.6	746.9
-12.5°	11.0	21.5	41.6	64.1	90.3	128.9	188.3	263.6	392.3	556.6	750.2
-15°	11.0	22.1	42.6	65.8	92.7	131.4	190.3	265.9	391.8	554.1	750.1
-17.5°	11.0	22.6	43.5	67.2	94.9	133.5	191.6	267.5	388.0	548.0	743.8
-20°	11.0	23.1	44.3	68.6	96.8	135.3	192.5	268.3	381.8	538.1	730.9



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	11.0	23.5	45.0	69.7	98.4	136.6	193.4	267.8	373.4	524.4	711.9
-25°	11.0	24.0	45.7	70.7	99.8	138.2	193.5	266.3	362.5	506.7	692.0
-27.5°	11.0	24.3	46.3	71.5	100.8	139.6	192.7	263.5	349.4	491.6	675.0
-30°	11.0	24.7	46.7	72.2	101.7	140.6	190.9	259.6	341.6	477.6	652.7
-32.5°	11.0	25.0	47.1	72.6	103.1	141.0	188.4	256.2	337.0	459.9	624.8
-35°	11.0	25.3	47.4	72.9	104.1	141.0	187.4	252.4	330.5	438.5	591.2
-37.5°	11.0	25.5	47.5	73.0	104.9	141.0	186.8	247.2	322.2	413.4	559.1
-40°	11.0	25.7	47.6	72.9	105.4	141.7	185.7	240.8	312.0	397.3	527.7
-42.5°	11.0	25.8	47.6	72.8	105.7	141.9	183.7	232.9	302.1	384.0	492.6
-45°	11.0	25.9	47.5	72.9	105.9	141.7	180.9	226.3	291.5	368.2	457.0
-47.5°	11.0	26.0	47.3	72.9	105.8	141.2	177.6	222.3	279.2	350.1	436.2
-50°	11.0	26.0	47.0	72.9	105.4	140.3	175.8	217.6	265.2	333.8	412.4
-52.5°	11.0	25.9	46.6	72.8	104.7	139.0	173.9	212.2	256.0	315.5	385.1
-55°	11.0	25.9	46.1	72.4	103.6	137.3	171.5	206.5	248.3	295.4	359.0
-57.5°	11.0	25.7	45.6	71.9	102.3	135.3	168.8	203.2	239.7	282.5	330.9
-60°	11.0	25.6	44.9	71.2	100.7	132.8	165.6	199.0	231.0	271.1	306.0
-62.5°	11.0	25.4	44.2	70.4	99.3	130.0	161.9	194.0	224.8	258.0	290.1
-65°	11.0	25.1	43.4	69.3	97.7	126.8	157.7	188.5	218.0	247.3	273.6
-67.5°	11.0	24.8	42.5	68.0	95.8	123.5	153.1	182.3	210.5	237.3	260.5
-70°	11.0	24.5	41.5	66.6	93.6	120.2	148.1	175.7	202.6	226.8	248.7
-72.5°	11.0	24.1	40.4	65.0	91.2	116.5	143.0	168.6	194.3	216.2	236.4
-75°	11.0	23.8	39.3	63.3	88.6	112.6	137.6	161.4	185.5	205.3	223.8
-77.5°	11.0	23.3	38.0	61.5	85.9	108.3	131.8	153.8	176.3	194.0	210.8
-80°	11.0	22.9	36.6	59.5	83.1	104.3	125.6	146.0	166.7	182.5	197.8
-82.5°	11.0	22.4	35.2	57.4	80.0	100.4	120.7	138.5	156.7	170.7	184.5
-85°	11.0	21.9	33.7	55.1	76.8	96.3	115.8	132.4	149.1	160.8	172.4
-87.5°	11.0	21.4	32.2	52.8	73.4	92.1	110.7	126.1	141.5	151.9	162.3
-90°	11.0	9.8	8.6	8.6	8.6	8.6	8.6	8.0	7.4	7.4	7.4



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	158.8	165.5	171.6	177.7	185.1	192.4	199.8	207.2	215.2	223.1	231.1
87.5°	7.3	6.8	6.8	6.8	6.3	5.7	5.3	4.9	4.9	4.9	4.8
85°	7.9	7.4	7.4	7.4	6.9	6.5	6.0	5.4	5.5	5.5	5.3
82.5°	8.5	8.0	7.8	7.4	7.3	7.3	6.8	6.3	6.2	6.1	5.8
80°	9.1	8.7	8.2	7.8	7.7	7.5	7.2	7.2	6.8	6.3	6.2
77.5°	9.3	8.7	8.5	8.4	8.2	7.6	7.4	7.4	7.2	7.2	6.9
75°	9.4	8.8	8.8	8.7	8.2	7.6	7.4	7.7	7.7	7.5	7.3
72.5°	9.9	9.6	9.2	8.9	8.6	8.3	8.2	8.5	9.2	9.8	10.4
70°	11.0	10.5	10.1	9.9	9.4	9.4	10.4	12.5	14.4	15.3	17.3
67.5°	12.1	11.8	11.5	11.1	11.2	12.2	13.6	18.1	22.0	24.7	27.7
65°	13.4	13.1	13.2	13.3	13.5	17.2	21.3	25.7	32.6	36.5	36.7
62.5°	14.9	16.8	16.0	17.1	20.6	24.6	30.7	38.8	47.5	51.0	48.8
60°	21.2	22.2	22.6	25.3	28.7	33.1	41.6	51.4	61.5	67.6	58.5
57.5°	29.2	30.5	32.8	34.4	38.2	40.7	50.8	62.7	69.2	73.2	62.9
55°	39.2	41.1	44.5	45.3	48.5	49.5	58.0	66.1	71.7	72.9	61.8
52.5°	51.9	54.1	59.0	59.8	59.9	61.0	62.1	71.1	75.6	74.3	64.1
50°	65.6	73.2	75.8	78.7	75.0	76.5	72.4	82.9	91.7	89.3	92.3
47.5°	85.8	95.4	99.2	104.3	101.7	110.0	107.0	126.8	133.6	173.3	182.2
45°	110.2	127.0	132.2	143.9	155.7	165.5	197.4	200.0	283.6	318.5	384.2
42.5°	139.5	165.8	187.2	191.5	248.4	278.7	323.1	396.1	469.4	536.6	581.2
40°	182.9	210.1	255.9	309.3	369.8	435.0	494.1	578.9	649.9	702.7	734.3
37.5°	232.3	284.1	346.6	443.0	524.6	591.1	658.3	731.5	798.4	844.8	905.3
35°	286.5	362.1	477.9	578.2	665.8	728.4	794.0	871.7	934.9	1009.7	1084.3
32.5°	352.3	441.6	586.9	695.2	766.4	840.5	916.2	998.0	1088.4	1180.5	1276.1
30°	417.4	531.2	673.2	785.7	854.7	941.0	1033.1	1128.9	1247.5	1363.6	1492.7
27.5°	468.6	608.2	743.2	859.5	939.8	1042.0	1154.4	1279.4	1420.2	1562.4	1733.9
25°	514.4	665.4	813.7	937.0	1039.0	1152.3	1284.3	1434.4	1602.0	1801.9	2341.2
22.5°	559.0	721.1	891.6	1020.1	1134.8	1262.7	1421.9	1597.1	1794.4	2059.9	3013.8
20°	604.8	784.2	966.2	1089.1	1222.1	1365.6	1552.1	1755.3	1999.9	2627.3	4034.2
17.5°	651.9	849.3	1029.7	1149.7	1289.8	1464.8	1681.6	1910.9	2209.0	3158.5	5312.3
15°	697.8	910.7	1080.5	1203.3	1357.8	1561.4	1803.7	2084.4	2579.2	3900.0	6592.7
12.5°	741.7	965.8	1118.3	1249.4	1424.9	1652.5	1916.8	2232.0	3014.2	4900.6	7989.5
10°	783.0	1014.6	1151.2	1293.5	1490.5	1738.1	2018.2	2361.8	3394.1	5700.1	9095.2
7.5°	827.7	1056.5	1180.9	1335.2	1550.9	1816.3	2101.7	2461.7	3677.1	6313.2	9916.5
5°	868.3	1090.5	1215.3	1384.2	1611.0	1887.0	2173.2	2545.4	3870.3	6701.9	10486.6
2.5°	903.7	1117.6	1247.3	1430.7	1667.4	1948.9	2237.9	2629.2	4042.6	7030.4	11207.9
0°	934.0	1138.7	1276.0	1472.1	1716.1	2000.4	2290.9	2696.7	4157.8	7251.6	12044.3
-2.5°	952.5	1170.3	1323.9	1515.6	1756.3	2036.9	2338.8	2768.8	4274.5	7729.8	12363.0
-5°	965.7	1195.8	1366.8	1553.7	1788.8	2063.7	2373.9	2819.8	4324.7	7861.4	12270.2
-7.5°	973.5	1214.3	1403.5	1587.0	1817.9	2094.7	2429.2	2888.2	4347.5	7537.1	11744.3
-10°	977.6	1229.9	1427.6	1614.5	1844.9	2123.2	2472.3	2932.2	4254.0	7099.7	11139.4
-12.5°	988.1	1243.2	1446.8	1634.9	1862.8	2143.7	2505.9	2965.4	4041.3	6498.7	10307.9
-15°	990.8	1250.0	1462.8	1648.9	1881.5	2173.7	2531.3	2971.1	3734.2	5721.9	9246.2
-17.5°	985.3	1250.4	1474.0	1659.9	1891.0	2185.2	2539.3	2954.8	3504.7	5157.6	8178.2
-20°	971.0	1235.8	1477.3	1660.9	1887.4	2189.9	2543.4	2947.8	3448.6	4580.5	6882.9



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	947.7	1212.7	1465.4	1659.2	1899.7	2191.9	2531.6	2904.2	3327.2	3884.5	5593.4
-25°	922.7	1179.9	1434.3	1665.0	1902.0	2181.7	2482.1	2824.2	3214.8	3650.6	4673.3
-27.5°	895.7	1141.6	1402.5	1657.6	1890.4	2143.5	2422.5	2743.0	3064.8	3416.8	3852.3
-30°	863.0	1099.9	1359.8	1630.8	1863.0	2099.4	2356.6	2615.8	2904.2	3221.1	3590.0
-32.5°	823.9	1051.0	1306.8	1574.6	1826.7	2048.2	2263.3	2496.1	2753.4	3032.8	3337.9
-35°	781.4	1001.4	1244.7	1506.2	1782.3	1985.8	2172.7	2374.0	2602.0	2857.2	3140.7
-37.5°	738.3	944.1	1171.9	1426.8	1695.4	1908.4	2076.8	2264.6	2465.3	2683.9	2947.5
-40°	689.4	878.3	1096.0	1336.9	1575.0	1805.2	1990.3	2160.6	2337.0	2536.9	2752.2
-42.5°	636.7	814.1	1012.9	1231.2	1447.4	1666.9	1898.7	2066.0	2223.8	2393.7	2582.3
-45°	592.7	743.2	923.0	1117.2	1312.1	1524.7	1748.3	1972.0	2116.0	2263.0	2423.8
-47.5°	541.7	671.4	835.8	997.5	1177.4	1377.8	1589.6	1797.1	2001.6	2144.7	2280.0
-50°	493.1	610.5	736.1	884.9	1045.2	1230.2	1424.3	1614.0	1805.8	1999.5	2153.8
-52.5°	459.6	545.3	654.3	771.8	920.0	1083.6	1253.8	1422.8	1602.9	1787.7	1965.6
-55°	423.5	496.9	574.5	674.5	796.5	942.2	1083.7	1235.1	1389.8	1560.3	1733.6
-57.5°	389.1	450.0	510.9	586.8	689.5	800.8	924.8	1049.2	1189.4	1332.1	1480.5
-60°	355.1	405.0	456.7	517.3	588.0	681.8	771.7	880.0	996.5	1113.8	1245.8
-62.5°	322.5	363.2	406.2	457.4	516.5	571.9	646.1	730.1	814.1	918.1	1024.9
-65°	303.3	325.9	359.8	404.1	450.2	499.2	547.4	598.8	671.9	749.5	825.4
-67.5°	282.9	303.7	324.9	352.3	392.6	430.8	469.6	514.8	561.4	611.7	667.0
-70°	267.6	282.1	300.9	322.5	343.5	366.7	401.2	437.2	473.0	512.1	555.5
-72.5°	253.2	266.7	280.8	295.9	314.4	332.1	350.2	369.7	397.9	432.3	464.5
-75°	238.6	251.2	264.0	277.3	291.1	304.5	318.8	336.3	355.7	376.8	396.5
-77.5°	223.8	235.4	247.1	258.6	271.2	284.2	296.4	308.9	324.2	340.5	356.0
-80°	209.2	219.5	230.4	241.1	252.1	263.3	274.2	284.7	297.8	311.9	325.6
-82.5°	194.9	204.7	214.0	223.3	232.9	242.3	252.0	261.9	273.9	286.2	297.9
-85°	181.1	189.7	197.6	205.4	214.2	223.0	231.3	239.7	250.7	261.7	271.8
-87.5°	170.0	177.7	184.4	191.0	198.8	206.5	213.8	221.0	230.4	239.9	248.5
-90°	6.8	6.1	6.1	6.1	5.5	4.9	4.9	4.9	4.9	4.9	4.3



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	239.0	244.6	250.1	253.8	257.4	262.9	268.4	276.4	284.4	291.2	297.9
87.5°	4.7	4.2	3.7	3.6	3.6	3.6	3.6	3.1	2.5	2.5	2.5
85°	4.9	4.7	4.6	4.6	4.7	4.2	3.7	3.6	3.6	3.6	3.7
82.5°	5.5	5.2	4.9	4.9	4.9	4.8	4.7	4.2	3.7	3.7	3.7
80°	6.1	5.8	5.5	5.3	5.0	4.9	4.9	4.4	3.8	3.7	3.7
77.5°	6.4	6.3	6.2	5.6	5.0	4.9	4.9	4.4	3.8	3.7	3.7
75°	7.3	7.2	7.0	6.8	6.7	6.9	7.2	7.1	6.7	6.4	6.0
72.5°	11.1	11.1	10.8	11.5	12.1	12.7	13.0	13.3	13.9	14.8	15.9
70°	19.5	21.0	21.1	21.0	21.0	20.4	19.7	19.5	19.6	19.9	20.3
67.5°	29.4	30.6	31.1	31.5	28.7	26.9	26.2	26.2	27.3	29.5	32.7
65°	37.5	35.2	33.2	31.1	31.3	31.2	29.7	29.1	30.0	31.4	32.9
62.5°	44.7	35.5	29.6	26.7	27.2	28.1	25.4	23.4	22.7	22.3	22.4
60°	48.0	33.4	23.5	19.9	17.9	16.9	15.0	12.8	12.2	12.0	12.2
57.5°	48.5	31.8	18.8	14.8	11.3	8.8	7.4	6.4	6.4	6.2	6.1
55°	47.0	32.2	18.2	16.7	15.2	14.0	12.2	11.8	11.2	11.1	11.8
52.5°	48.7	45.1	36.9	35.8	43.6	43.9	37.9	46.5	52.4	57.1	59.2
50°	96.2	92.4	116.8	116.7	141.3	162.5	156.4	168.6	189.9	208.5	219.9
47.5°	224.8	242.4	278.9	311.7	348.7	395.4	416.2	430.9	449.4	474.5	491.2
45°	418.7	462.4	509.8	562.9	624.8	679.5	711.4	742.1	762.5	784.7	810.9
42.5°	621.6	673.9	744.2	807.6	874.6	938.5	988.9	1033.4	1120.0	1243.5	1341.8
40°	795.4	854.8	936.5	1021.0	1099.9	1180.8	1403.5	1593.1	1829.4	2182.4	2495.2
37.5°	967.9	1036.6	1127.7	1231.3	1469.4	1710.5	2196.7	2721.8	3176.8	3687.0	4202.2
35°	1155.9	1246.1	1368.0	1716.6	2157.4	2800.0	3497.1	4277.0	4939.1	5651.5	6695.2
32.5°	1377.9	1535.6	1929.5	2563.2	3353.6	4266.4	5131.1	6111.5	6938.4	8247.3	9841.4
30°	1664.2	2158.5	2914.8	3789.8	4856.2	6011.6	7095.8	8683.7	10538.9	12181.2	13537.4
27.5°	2354.4	3309.3	4365.3	5474.1	6809.5	8209.6	10482.9	12538.2	14534.1	16307.4	18367.5
25°	3385.2	4916.9	6721.7	8208.2	10022.9	12553.1	15123.7	17387.2	20420.8	23089.1	26082.2
22.5°	4843.0	7024.2	9348.8	11519.2	14306.0	17475.0	20933.5	25104.1	29318.4	33999.6	38164.2
20°	6266.1	9025.7	11969.5	15094.0	18663.0	22625.1	28278.6	35047.1	41541.1	48916.2	55135.1
17.5°	8161.1	11497.1	14978.7	18950.2	23538.9	29634.6	37979.1	47234.1	57276.2	68289.2	78473.3
15°	10088.1	13682.0	17727.5	22810.6	29301.0	37585.7	48231.3	60830.2	75516.1	91705.6	111387.8
12.5°	11667.4	15597.3	20327.8	26733.6	35222.4	46301.8	59199.9	74365.9	94499.7	118917.9	141785.0
10°	13016.7	17728.9	23706.6	31287.9	41272.7	53780.3	68432.5	87209.1	114330.4	142618.0	167712.5
7.5°	14406.6	19981.2	26311.9	34531.7	45884.6	60081.8	78124.5	102644.2	132484.6	161498.4	184511.1
5°	15717.5	21517.1	27955.7	36737.8	49015.0	64262.8	84734.2	114599.3	147072.2	175489.2	197109.6
2.5°	16744.4	22289.6	28821.4	38380.7	50707.3	66535.1	88877.6	121992.0	156056.1	184062.5	206232.5
0°	17277.1	22708.5	29301.8	39408.2	52110.8	68620.6	91253.1	125254.5	159710.6	186983.8	209580.7
-2.5°	17159.2	22506.3	29004.4	38615.3	51790.0	68997.8	93228.2	126954.6	160340.1	187980.2	209276.5
-5°	16911.3	22187.7	28596.2	37640.9	50641.4	68049.3	91083.6	122090.7	154333.5	182686.0	203389.5
-7.5°	16449.2	21654.3	27781.9	36215.6	48737.7	65222.4	86008.6	112952.5	143884.1	172291.2	192333.9
-10°	15769.4	20830.4	26613.3	34283.6	45529.5	60670.3	78342.2	99383.5	128318.8	154877.9	177147.8
-12.5°	14803.2	19664.7	24992.0	31583.3	41654.6	54997.7	70232.5	87715.4	108395.7	134010.1	154884.8
-15°	13573.7	18145.8	23096.0	29315.1	37736.3	48669.1	61514.0	75076.6	90927.4	108608.5	128955.8
-17.5°	12064.8	16359.7	20969.5	26331.0	33141.5	42314.2	52475.0	63057.7	74499.0	87510.7	99464.8
-20°	10265.6	14194.0	18538.2	23525.1	29360.8	35986.3	43372.6	51927.9	60796.4	70083.1	78299.7



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8438.5	12022.2	16161.8	20522.3	25594.5	30651.8	35612.9	41974.1	48822.7	55545.9	61661.7
-25°	6602.6	9766.3	13615.3	17705.2	21776.3	25907.2	29935.3	33885.3	38813.5	43141.0	47629.8
-27.5°	5244.4	7611.0	10842.9	14412.1	17959.5	21406.5	24889.1	28188.6	31296.5	33910.0	36936.4
-30°	4124.4	5721.9	8218.6	11027.2	14131.2	17168.3	20169.2	22956.5	25403.9	27555.8	29657.3
-32.5°	3729.0	4381.3	5865.0	7999.3	10448.1	13112.6	15621.0	18015.1	20032.8	22032.5	23915.6
-35°	3449.5	3808.7	4293.7	5627.0	7221.7	9342.1	11308.4	13295.3	14989.8	16987.0	18531.2
-37.5°	3220.3	3497.0	3803.7	4118.2	5087.9	6149.5	7565.3	9054.6	10363.8	12039.1	13402.4
-40°	2998.5	3243.5	3483.2	3722.3	3980.2	4217.1	5059.8	5827.7	6715.8	7861.8	8842.4
-42.5°	2784.1	2999.8	3207.4	3401.7	3581.9	3737.5	3907.0	4069.5	4549.1	5133.2	5581.9
-45°	2591.7	2775.0	2948.8	3113.1	3250.4	3374.9	3505.6	3641.6	3819.9	3981.9	4115.7
-47.5°	2428.1	2573.0	2715.4	2849.2	2954.6	3060.9	3165.0	3282.4	3421.2	3557.2	3671.0
-50°	2280.1	2405.5	2513.5	2608.3	2696.0	2785.9	2868.8	2973.1	3084.8	3197.3	3291.5
-52.5°	2138.3	2249.9	2340.1	2412.3	2479.1	2552.4	2623.7	2706.9	2797.6	2892.3	2967.0
-55°	1900.0	2041.8	2172.9	2240.8	2293.2	2353.6	2414.0	2481.3	2557.9	2637.4	2696.7
-57.5°	1636.7	1776.6	1900.2	1988.2	2075.1	2163.7	2230.2	2282.9	2352.2	2420.0	2471.2
-60°	1372.3	1489.6	1598.7	1687.7	1778.3	1867.1	1941.8	2010.6	2096.2	2174.1	2237.4
-62.5°	1126.1	1228.8	1313.0	1385.0	1462.2	1539.4	1610.6	1678.4	1756.2	1826.1	1885.4
-65°	902.4	988.5	1050.8	1107.3	1168.8	1232.8	1289.1	1345.3	1407.8	1463.8	1512.5
-67.5°	729.7	786.8	825.6	861.7	910.4	960.1	1004.2	1049.0	1096.8	1139.2	1176.1
-70°	597.4	633.0	656.9	684.5	719.2	751.0	780.0	812.7	847.9	880.4	909.7
-72.5°	495.2	519.7	537.6	559.6	581.7	601.8	620.2	643.7	669.3	694.4	718.2
-75°	414.8	430.7	447.8	463.7	478.8	493.5	507.0	525.9	545.6	564.4	582.5
-77.5°	372.2	384.0	393.6	402.4	410.7	420.2	429.5	445.5	462.7	477.3	490.9
-80°	339.1	348.4	356.3	363.1	369.3	377.0	384.8	397.9	411.4	423.6	435.5
-82.5°	309.5	317.4	324.7	331.0	336.9	343.6	350.2	361.6	373.2	383.6	393.8
-85°	281.9	288.7	295.2	300.8	306.2	312.4	318.4	328.4	338.3	347.6	356.7
-87.5°	257.0	263.1	269.1	273.3	277.4	283.3	289.1	298.0	306.9	315.0	323.2
-90°	3.7	3.7	3.7	3.1	2.5	2.5	2.5	2.5	2.5	1.9	1.2



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	301.6	305.2	305.8	306.4	305.8	305.2	301.6	297.9	291.2	284.4	276.4
87.5°	1.8	1.2	1.8	2.5	1.8	1.2	1.8	2.5	2.5	2.5	3.1
85°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6
82.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.2
80°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	4.4
77.5°	3.2	2.6	3.1	3.7	3.1	2.6	3.2	3.7	3.7	3.8	4.4
75°	5.4	4.9	4.3	3.7	4.3	4.9	5.4	6.0	6.4	6.7	7.1
72.5°	16.5	16.9	17.7	18.4	17.7	16.9	16.5	15.9	14.8	13.9	13.3
70°	19.6	18.5	18.4	18.4	18.4	18.5	19.6	20.3	19.9	19.6	19.5
67.5°	35.1	37.1	37.8	38.0	37.8	37.1	35.1	32.7	29.5	27.3	26.2
65°	34.2	35.4	35.5	35.5	35.5	35.4	34.2	32.9	31.4	30.0	29.1
62.5°	22.8	23.5	24.0	24.5	24.0	23.5	22.8	22.4	22.3	22.7	23.4
60°	12.8	13.6	14.1	14.7	14.1	13.6	12.8	12.2	12.0	12.2	12.8
57.5°	6.0	6.3	6.7	7.4	6.7	6.3	6.0	6.1	6.2	6.4	6.4
55°	12.4	13.0	13.4	13.5	13.4	13.0	12.4	11.8	11.1	11.2	11.8
52.5°	58.1	55.4	53.2	51.5	53.2	55.4	58.1	59.2	57.1	52.4	46.5
50°	224.6	219.1	213.0	207.2	213.0	219.1	224.6	219.9	208.5	189.9	168.6
47.5°	501.1	496.7	487.5	475.6	487.5	496.7	501.1	491.2	474.5	449.4	430.9
45°	846.9	871.5	882.5	876.4	882.5	871.5	846.9	810.9	784.7	762.5	742.1
42.5°	1375.2	1396.9	1398.8	1366.7	1398.8	1396.9	1375.2	1341.8	1243.5	1120.0	1033.4
40°	2721.4	2910.0	2974.6	2780.0	2974.6	2910.0	2721.4	2495.2	2182.4	1829.4	1593.1
37.5°	4823.2	5564.2	6182.3	6206.0	6182.3	5564.2	4823.2	4202.2	3687.0	3176.8	2721.8
35°	7816.9	8579.2	8947.8	8932.1	8947.8	8579.2	7816.9	6695.2	5651.5	4939.1	4277.0
32.5°	10986.8	11564.3	11933.5	11844.5	11933.5	11564.3	10986.8	9841.4	8247.3	6938.4	6111.5
30°	14506.0	15041.8	15472.0	15465.4	15472.0	15041.8	14506.0	13537.4	12181.2	10538.9	8683.7
27.5°	20044.5	21148.7	22026.2	21877.4	22026.2	21148.7	20044.5	18367.5	16307.4	14534.1	12538.2
25°	28607.0	30626.6	32054.5	31760.7	32054.5	30626.6	28607.0	26082.2	23089.1	20420.8	17387.2
22.5°	41256.0	43846.9	44930.1	44071.0	44930.1	43846.9	41256.0	38164.2	33999.6	29318.4	25104.1
20°	61059.7	65863.2	68849.6	67068.8	68849.6	65863.2	61059.7	55135.1	48916.2	41541.1	35047.1
17.5°	91654.4	102075.2	110308.9	110082.0	110308.9	102075.2	91654.4	78473.3	68289.2	57276.2	47234.1
15°	128524.0	140384.9	149517.8	150573.8	149517.8	140384.9	128524.0	111387.8	91705.6	75516.1	60830.2
12.5°	161536.9	173599.5	182536.8	185108.5	182536.8	173599.5	161536.9	141785.0	118917.9	94499.7	74365.9
10°	185065.0	197102.7	205753.2	208803.6	205753.2	197102.7	185065.0	167712.5	142618.0	114330.4	87209.1
7.5°	202325.1	215384.8	221869.2	225183.5	221869.2	215384.8	202325.1	184511.1	161498.4	132484.6	102644.2
5°	214744.7	226882.1	233155.3	237171.4	233155.3	226882.1	214744.7	197109.6	175489.2	147072.2	114599.3
2.5°	222573.9	234032.6	241565.9	245168.3	241565.9	234032.6	222573.9	206232.5	184062.5	156056.1	121992.0
0°	225100.7	236101.3	244545.0	247774.2	244545.0	236101.3	225100.7	209580.7	186983.8	159710.6	125254.5
-2.5°	223925.4	234701.4	241435.8	242741.3	241435.8	234701.4	223925.4	209276.5	187980.2	160340.1	126954.6
-5°	217808.8	227740.6	233959.2	234981.0	233959.2	227740.6	217808.8	203389.5	182686.0	154333.5	122090.7
-7.5°	207263.8	217171.2	222311.3	223824.7	222311.3	217171.2	207263.8	192333.9	172291.2	143884.1	112952.5
-10°	191974.6	201546.3	207039.8	208342.7	207039.8	201546.3	191974.6	177147.8	154877.9	128318.8	99383.5
-12.5°	171112.1	181323.3	187471.6	188826.2	187471.6	181323.3	171112.1	154884.8	134010.1	108395.7	87715.4
-15°	144059.7	154563.2	162412.1	164310.9	162412.1	154563.2	144059.7	128955.8	108608.5	90927.4	75076.6
-17.5°	112876.4	123387.2	130440.1	131786.5	130440.1	123387.2	112876.4	99464.8	87510.7	74499.0	63057.7
-20°	86019.2	92779.1	96759.7	97453.0	96759.7	92779.1	86019.2	78299.7	70083.1	60796.4	51927.9



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	66659.7	71203.1	73626.6	73968.6	73626.6	71203.1	66659.7	61661.7	55545.9	48822.7	41974.1
-25°	51654.9	54956.0	56761.1	57061.7	56761.1	54956.0	51654.9	47629.8	43141.0	38813.5	33885.3
-27.5°	39662.0	41712.7	43392.3	43042.6	43392.3	41712.7	39662.0	36936.4	33910.0	31296.5	28188.6
-30°	31384.0	32699.3	33691.3	33431.4	33691.3	32699.3	31384.0	29657.3	27555.8	25403.9	22956.5
-32.5°	25401.2	26431.6	27129.0	27314.9	27129.0	26431.6	25401.2	23915.6	22032.5	20032.8	18015.1
-35°	19743.0	20585.0	21068.3	21255.9	21068.3	20585.0	19743.0	18531.2	16987.0	14989.8	13295.3
-37.5°	14414.4	15153.0	15614.0	15774.3	15614.0	15153.0	14414.4	13402.4	12039.1	10363.8	9054.6
-40°	9593.1	10162.2	10540.0	10686.2	10540.0	10162.2	9593.1	8842.4	7861.8	6715.8	5827.7
-42.5°	5931.4	6197.8	6366.4	6419.3	6366.4	6197.8	5931.4	5581.9	5133.2	4549.1	4069.5
-45°	4219.1	4292.7	4334.8	4342.9	4334.8	4292.7	4219.1	4115.7	3981.9	3819.9	3641.6
-47.5°	3759.9	3817.9	3847.6	3848.9	3847.6	3817.9	3759.9	3671.0	3557.2	3421.2	3282.4
-50°	3369.1	3422.8	3449.9	3451.7	3449.9	3422.8	3369.1	3291.5	3197.3	3084.8	2973.1
-52.5°	3028.3	3071.1	3091.0	3091.4	3091.0	3071.1	3028.3	2967.0	2892.3	2797.6	2706.9
-55°	2745.4	2778.7	2791.0	2788.6	2791.0	2778.7	2745.4	2696.7	2637.4	2557.9	2481.3
-57.5°	2513.8	2546.5	2556.8	2553.3	2556.8	2546.5	2513.8	2471.2	2420.0	2352.2	2282.9
-60°	2286.9	2321.8	2334.9	2333.9	2334.9	2321.8	2286.9	2237.4	2174.1	2096.2	2010.6
-62.5°	1927.9	1954.7	1969.1	1973.5	1969.1	1954.7	1927.9	1885.4	1826.1	1756.2	1678.4
-65°	1545.9	1567.4	1578.9	1582.5	1578.9	1567.4	1545.9	1512.5	1463.8	1407.8	1345.3
-67.5°	1200.0	1215.3	1222.7	1224.5	1222.7	1215.3	1200.0	1176.1	1139.2	1096.8	1049.0
-70°	928.0	940.6	946.5	948.7	946.5	940.6	928.0	909.7	880.4	847.9	812.7
-72.5°	731.9	742.0	746.1	747.7	746.1	742.0	731.9	718.2	694.4	669.3	643.7
-75°	591.0	597.0	599.4	600.6	599.4	597.0	591.0	582.5	564.4	545.6	525.9
-77.5°	498.4	504.8	507.1	508.7	507.1	504.8	498.4	490.9	477.3	462.7	445.5
-80°	440.9	445.5	447.2	448.6	447.2	445.5	440.9	435.5	423.6	411.4	397.9
-82.5°	400.3	406.4	406.9	407.0	406.9	406.4	400.3	393.8	383.6	373.2	361.6
-85°	361.6	366.2	367.0	367.7	367.0	366.2	361.6	356.7	347.6	338.3	328.4
-87.5°	327.7	332.1	332.2	332.2	332.2	332.1	327.7	323.2	315.0	306.9	298.0
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.9	2.5	2.5

REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	268.4	262.9	257.4	253.8	250.1	244.6	239.0	231.1	223.1	215.2	207.2
87.5°	3.6	3.6	3.6	3.6	3.7	4.2	4.7	4.8	4.9	4.9	4.9
85°	3.7	4.2	4.7	4.6	4.6	4.7	4.9	5.3	5.5	5.5	5.4
82.5°	4.7	4.8	4.9	4.9	4.9	5.2	5.5	5.8	6.1	6.2	6.3
80°	4.9	4.9	5.0	5.3	5.5	5.8	6.1	6.2	6.3	6.8	7.2
77.5°	4.9	4.9	5.0	5.6	6.2	6.3	6.4	6.9	7.2	7.2	7.4
75°	7.2	6.9	6.7	6.8	7.0	7.2	7.3	7.3	7.5	7.7	7.7
72.5°	13.0	12.7	12.1	11.5	10.8	11.1	11.1	10.4	9.8	9.2	8.5
70°	19.7	20.4	21.0	21.0	21.1	21.0	19.5	17.3	15.3	14.4	12.5
67.5°	26.2	26.9	28.7	31.5	31.1	30.6	29.4	27.7	24.7	22.0	18.1
65°	29.7	31.2	31.3	31.1	33.2	35.2	37.5	36.7	36.5	32.6	25.7
62.5°	25.4	28.1	27.2	26.7	29.6	35.5	44.7	48.8	51.0	47.5	38.8
60°	15.0	16.9	17.9	19.9	23.5	33.4	48.0	58.5	67.6	61.5	51.4
57.5°	7.4	8.8	11.3	14.8	18.8	31.8	48.5	62.9	73.2	69.2	62.7
55°	12.2	14.0	15.2	16.7	18.2	32.2	47.0	61.8	72.9	71.7	66.1
52.5°	37.9	43.9	43.6	35.8	36.9	45.1	48.7	64.1	74.3	75.6	71.1
50°	156.4	162.5	141.3	116.7	116.8	92.4	96.2	92.3	89.3	91.7	82.9
47.5°	416.2	395.4	348.7	311.7	278.9	242.4	224.8	182.2	173.3	133.6	126.8
45°	711.4	679.5	624.8	562.9	509.8	462.4	418.7	384.2	318.5	283.6	200.0
42.5°	988.9	938.5	874.6	807.6	744.2	673.9	621.6	581.2	536.6	469.4	396.1
40°	1403.5	1180.8	1099.9	1021.0	936.5	854.8	795.4	734.3	702.7	649.9	578.9
37.5°	2196.7	1710.5	1469.4	1231.3	1127.7	1036.6	967.9	905.3	844.8	798.4	731.5
35°	3497.1	2800.0	2157.4	1716.6	1368.0	1246.1	1155.9	1084.3	1009.7	934.9	871.7
32.5°	5131.1	4266.4	3353.6	2563.2	1929.5	1535.6	1377.9	1276.1	1180.5	1088.4	998.0
30°	7095.8	6011.6	4856.2	3789.8	2914.8	2158.5	1664.2	1492.7	1363.6	1247.5	1128.9
27.5°	10482.9	8209.6	6809.5	5474.1	4365.3	3309.3	2354.4	1733.9	1562.4	1420.2	1279.4
25°	15123.7	12553.1	10022.9	8208.2	6721.7	4916.9	3385.2	2341.2	1801.9	1602.0	1434.4
22.5°	20933.5	17475.0	14306.0	11519.2	9348.8	7024.2	4843.0	3013.8	2059.9	1794.4	1597.1
20°	28278.6	22625.1	18663.0	15094.0	11969.5	9025.7	6266.1	4034.2	2627.3	1999.9	1755.3
17.5°	37979.1	29634.6	23538.9	18950.2	14978.7	11497.1	8161.1	5312.3	3158.5	2209.0	1910.9
15°	48231.3	37585.7	29301.0	22810.6	17727.5	13682.0	10088.1	6592.7	3900.0	2579.2	2084.4
12.5°	59199.9	46301.8	35222.4	26733.6	20327.8	15597.3	11667.4	7989.5	4900.6	3014.2	2232.0
10°	68432.5	53780.3	41272.7	31287.9	23706.6	17728.9	13016.7	9095.2	5700.1	3394.1	2361.8
7.5°	78124.5	60081.8	45884.6	34531.7	26311.9	19981.2	14406.6	9916.5	6313.2	3677.1	2461.7
5°	84734.2	64262.8	49015.0	36737.8	27955.7	21517.1	15717.5	10486.6	6701.9	3870.3	2545.4
2.5°	88877.6	66535.1	50707.3	38380.7	28821.4	22289.6	16744.4	11207.9	7030.4	4042.6	2629.2
0°	91253.1	68620.6	52110.8	39408.2	29301.8	22708.5	17277.1	12044.3	7251.6	4157.8	2696.7
-2.5°	93228.2	68997.8	51790.0	38615.3	29004.4	22506.3	17159.2	12363.0	7729.8	4274.5	2768.8
-5°	91083.6	68049.3	50641.4	37640.9	28596.2	22187.7	16911.3	12270.2	7861.4	4324.7	2819.8
-7.5°	86008.6	65222.4	48737.7	36215.6	27781.9	21654.3	16449.2	11744.3	7537.1	4347.5	2888.2
-10°	78342.2	60670.3	45529.5	34283.6	26613.3	20830.4	15769.4	11139.4	7099.7	4254.0	2932.2
-12.5°	70232.5	54997.7	41654.6	31583.3	24992.0	19664.7	14803.2	10307.9	6498.7	4041.3	2965.4
-15°	61514.0	48669.1	37736.3	29315.1	23096.0	18145.8	13573.7	9246.2	5721.9	3734.2	2971.1
-17.5°	52475.0	42314.2	33141.5	26331.0	20969.5	16359.7	12064.8	8178.2	5157.6	3504.7	2954.8
-20°	43372.6	35986.3	29360.8	23525.1	18538.2	14194.0	10265.6	6882.9	4580.5	3448.6	2947.8



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	35612.9	30651.8	25594.5	20522.3	16161.8	12022.2	8438.5	5593.4	3884.5	3327.2	2904.2
-25°	29935.3	25907.2	21776.3	17705.2	13615.3	9766.3	6602.6	4673.3	3650.6	3214.8	2824.2
-27.5°	24889.1	21406.5	17959.5	14412.1	10842.9	7611.0	5244.4	3852.3	3416.8	3064.8	2743.0
-30°	20169.2	17168.3	14131.2	11027.2	8218.6	5721.9	4124.4	3590.0	3221.1	2904.2	2615.8
-32.5°	15621.0	13112.6	10448.1	7999.3	5865.0	4381.3	3729.0	3337.9	3032.8	2753.4	2496.1
-35°	11308.4	9342.1	7221.7	5627.0	4293.7	3808.7	3449.5	3140.7	2857.2	2602.0	2374.0
-37.5°	7565.3	6149.5	5087.9	4118.2	3803.7	3497.0	3220.3	2947.5	2683.9	2465.3	2264.6
-40°	5059.8	4217.1	3980.2	3722.3	3483.2	3243.5	2998.5	2752.2	2536.9	2337.0	2160.6
-42.5°	3907.0	3737.5	3581.9	3401.7	3207.4	2999.8	2784.1	2582.3	2393.7	2223.8	2066.0
-45°	3505.6	3374.9	3250.4	3113.1	2948.8	2775.0	2591.7	2423.8	2263.0	2116.0	1972.0
-47.5°	3165.0	3060.9	2954.6	2849.2	2715.4	2573.0	2428.1	2280.0	2144.7	2001.6	1797.1
-50°	2868.8	2785.9	2696.0	2608.3	2513.5	2405.5	2280.1	2153.8	1999.5	1805.8	1614.0
-52.5°	2623.7	2552.4	2479.1	2412.3	2340.1	2249.9	2138.3	1965.6	1787.7	1602.9	1422.8
-55°	2414.0	2353.6	2293.2	2240.8	2172.9	2041.8	1900.0	1733.6	1560.3	1389.8	1235.1
-57.5°	2230.2	2163.7	2075.1	1988.2	1900.2	1776.6	1636.7	1480.5	1332.1	1189.4	1049.2
-60°	1941.8	1867.1	1778.3	1687.7	1598.7	1489.6	1372.3	1245.8	1113.8	996.5	880.0
-62.5°	1610.6	1539.4	1462.2	1385.0	1313.0	1228.8	1126.1	1024.9	918.1	814.1	730.1
-65°	1289.1	1232.8	1168.8	1107.3	1050.8	988.5	902.4	825.4	749.5	671.9	598.8
-67.5°	1004.2	960.1	910.4	861.7	825.6	786.8	729.7	667.0	611.7	561.4	514.8
-70°	780.0	751.0	719.2	684.5	656.9	633.0	597.4	555.5	512.1	473.0	437.2
-72.5°	620.2	601.8	581.7	559.6	537.6	519.7	495.2	464.5	432.3	397.9	369.7
-75°	507.0	493.5	478.8	463.7	447.8	430.7	414.8	396.5	376.8	355.7	336.3
-77.5°	429.5	420.2	410.7	402.4	393.6	384.0	372.2	356.0	340.5	324.2	308.9
-80°	384.8	377.0	369.3	363.1	356.3	348.4	339.1	325.6	311.9	297.8	284.7
-82.5°	350.2	343.6	336.9	331.0	324.7	317.4	309.5	297.9	286.2	273.9	261.9
-85°	318.4	312.4	306.2	300.8	295.2	288.7	281.9	271.8	261.7	250.7	239.7
-87.5°	289.1	283.3	277.4	273.3	269.1	263.1	257.0	248.5	239.9	230.4	221.0
-90°	2.5	2.5	2.5	3.1	3.7	3.7	3.7	4.3	4.9	4.9	4.9



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	199.8	192.4	185.1	177.7	171.6	165.5	158.8	152.0	142.8	133.6	119.5
87.5°	5.3	5.7	6.3	6.8	6.8	6.8	7.3	7.9	7.9	7.8	8.4
85°	6.0	6.5	6.9	7.4	7.4	7.4	7.9	8.4	8.3	8.2	8.7
82.5°	6.8	7.3	7.3	7.4	7.8	8.0	8.5	8.9	8.9	8.7	9.1
80°	7.2	7.5	7.7	7.8	8.2	8.7	9.1	9.5	9.6	9.5	9.7
77.5°	7.4	7.6	8.2	8.4	8.5	8.7	9.3	9.9	10.3	10.4	10.5
75°	7.4	7.6	8.2	8.7	8.8	8.8	9.4	10.1	10.8	11.2	11.3
72.5°	8.2	8.3	8.6	8.9	9.2	9.6	9.9	10.3	11.2	11.8	12.0
70°	10.4	9.4	9.4	9.9	10.1	10.5	11.0	11.3	11.7	12.4	12.7
67.5°	13.6	12.2	11.2	11.1	11.5	11.8	12.1	12.4	12.7	13.0	13.3
65°	21.3	17.2	13.5	13.3	13.2	13.1	13.4	13.9	13.8	14.5	14.1
62.5°	30.7	24.6	20.6	17.1	16.0	16.8	14.9	16.6	15.3	16.2	15.7
60°	41.6	33.1	28.7	25.3	22.6	22.2	21.2	19.8	19.3	18.1	17.8
57.5°	50.8	40.7	38.2	34.4	32.8	30.5	29.2	26.7	24.1	22.5	20.2
55°	58.0	49.5	48.5	45.3	44.5	41.1	39.2	35.9	30.4	27.9	22.9
52.5°	62.1	61.0	59.9	59.8	59.0	54.1	51.9	45.8	41.1	33.8	28.3
50°	72.4	76.5	75.0	78.7	75.8	73.2	65.6	59.3	52.5	41.4	34.3
47.5°	107.0	110.0	101.7	104.3	99.2	95.4	85.8	74.7	64.6	52.6	40.4
45°	197.4	165.5	155.7	143.9	132.2	127.0	110.2	91.0	79.6	64.5	46.9
42.5°	323.1	278.7	248.4	191.5	187.2	165.8	139.5	117.4	95.4	76.9	56.0
40°	494.1	435.0	369.8	309.3	255.9	210.1	182.9	147.9	111.9	90.5	67.1
37.5°	658.3	591.1	524.6	443.0	346.6	284.1	232.3	181.0	133.4	106.3	78.4
35°	794.0	728.4	665.8	578.2	477.9	362.1	286.5	221.0	164.0	122.7	90.0
32.5°	916.2	840.5	766.4	695.2	586.9	441.6	352.3	266.7	195.4	139.7	101.5
30°	1033.1	941.0	854.7	785.7	673.2	531.2	417.4	310.3	227.3	157.2	113.4
27.5°	1154.4	1042.0	939.8	859.5	743.2	608.2	468.6	351.6	259.7	176.5	126.3
25°	1284.3	1152.3	1039.0	937.0	813.7	665.4	514.4	390.8	293.4	198.7	138.6
22.5°	1421.9	1262.7	1134.8	1020.1	891.6	721.1	559.0	431.0	319.6	219.4	150.3
20°	1552.1	1365.6	1222.1	1089.1	966.2	784.2	604.8	463.5	344.1	238.7	161.3
17.5°	1681.6	1464.8	1289.8	1149.7	1029.7	849.3	651.9	493.8	366.8	256.5	171.7
15°	1803.7	1561.4	1357.8	1203.3	1080.5	910.7	697.8	522.4	387.6	272.6	182.1
12.5°	1916.8	1652.5	1424.9	1249.4	1118.3	965.8	741.7	548.9	406.4	288.9	192.6
10°	2018.2	1738.1	1490.5	1293.5	1151.2	1014.6	783.0	578.1	430.8	304.9	202.5
7.5°	2101.7	1816.3	1550.9	1335.2	1180.9	1056.5	827.7	615.4	454.7	319.5	211.6
5°	2173.2	1887.0	1611.0	1384.2	1215.3	1090.5	868.3	650.7	477.0	332.4	219.9
2.5°	2237.9	1948.9	1667.4	1430.7	1247.3	1117.6	903.7	683.1	497.2	343.6	227.5
0°	2290.9	2000.4	1716.1	1472.1	1276.0	1138.7	934.0	712.2	514.8	353.0	234.1
-2.5°	2338.8	2036.9	1756.3	1515.6	1323.9	1170.3	952.5	726.8	529.3	365.4	242.1
-5°	2373.9	2063.7	1788.8	1553.7	1366.8	1195.8	965.7	737.4	540.8	375.7	249.2
-7.5°	2429.2	2094.7	1817.9	1587.0	1403.5	1214.3	973.5	744.1	549.3	383.8	255.1
-10°	2472.3	2123.2	1844.9	1614.5	1427.6	1229.9	977.6	746.9	554.6	389.4	260.0
-12.5°	2505.9	2143.7	1862.8	1634.9	1446.8	1243.2	988.1	750.2	556.6	392.3	263.6
-15°	2531.3	2173.7	1881.5	1648.9	1462.8	1250.0	990.8	750.1	554.1	391.8	265.9
-17.5°	2539.3	2185.2	1891.0	1659.9	1474.0	1250.4	985.3	743.8	548.0	388.0	267.5
-20°	2543.4	2189.9	1887.4	1660.9	1477.3	1235.8	971.0	730.9	538.1	381.8	268.3



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2531.6	2191.9	1899.7	1659.2	1465.4	1212.7	947.7	711.9	524.4	373.4	267.8
-25°	2482.1	2181.7	1902.0	1665.0	1434.3	1179.9	922.7	692.0	506.7	362.5	266.3
-27.5°	2422.5	2143.5	1890.4	1657.6	1402.5	1141.6	895.7	675.0	491.6	349.4	263.5
-30°	2356.6	2099.4	1863.0	1630.8	1359.8	1099.9	863.0	652.7	477.6	341.6	259.6
-32.5°	2263.3	2048.2	1826.7	1574.6	1306.8	1051.0	823.9	624.8	459.9	337.0	256.2
-35°	2172.7	1985.8	1782.3	1506.2	1244.7	1001.4	781.4	591.2	438.5	330.5	252.4
-37.5°	2076.8	1908.4	1695.4	1426.8	1171.9	944.1	738.3	559.1	413.4	322.2	247.2
-40°	1990.3	1805.2	1575.0	1336.9	1096.0	878.3	689.4	527.7	397.3	312.0	240.8
-42.5°	1898.7	1666.9	1447.4	1231.2	1012.9	814.1	636.7	492.6	384.0	302.1	232.9
-45°	1748.3	1524.7	1312.1	1117.2	923.0	743.2	592.7	457.0	368.2	291.5	226.3
-47.5°	1589.6	1377.8	1177.4	997.5	835.8	671.4	541.7	436.2	350.1	279.2	222.3
-50°	1424.3	1230.2	1045.2	884.9	736.1	610.5	493.1	412.4	333.8	265.2	217.6
-52.5°	1253.8	1083.6	920.0	771.8	654.3	545.3	459.6	385.1	315.5	256.0	212.2
-55°	1083.7	942.2	796.5	674.5	574.5	496.9	423.5	359.0	295.4	248.3	206.5
-57.5°	924.8	800.8	689.5	586.8	510.9	450.0	389.1	330.9	282.5	239.7	203.2
-60°	771.7	681.8	588.0	517.3	456.7	405.0	355.1	306.0	271.1	231.0	199.0
-62.5°	646.1	571.9	516.5	457.4	406.2	363.2	322.5	290.1	258.0	224.8	194.0
-65°	547.4	499.2	450.2	404.1	359.8	325.9	303.3	273.6	247.3	218.0	188.5
-67.5°	469.6	430.8	392.6	352.3	324.9	303.7	282.9	260.5	237.3	210.5	182.3
-70°	401.2	366.7	343.5	322.5	300.9	282.1	267.6	248.7	226.8	202.6	175.7
-72.5°	350.2	332.1	314.4	295.9	280.8	266.7	253.2	236.4	216.2	194.3	168.6
-75°	318.8	304.5	291.1	277.3	264.0	251.2	238.6	223.8	205.3	185.5	161.4
-77.5°	296.4	284.2	271.2	258.6	247.1	235.4	223.8	210.8	194.0	176.3	153.8
-80°	274.2	263.3	252.1	241.1	230.4	219.5	209.2	197.8	182.5	166.7	146.0
-82.5°	252.0	242.3	232.9	223.3	214.0	204.7	194.9	184.5	170.7	156.7	138.5
-85°	231.3	223.0	214.2	205.4	197.6	189.7	181.1	172.4	160.8	149.1	132.4
-87.5°	213.8	206.5	198.8	191.0	184.4	177.7	170.0	162.3	151.9	141.5	126.1
-90°	4.9	4.9	5.5	6.1	6.1	6.1	6.8	7.4	7.4	7.4	8.0



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	105.4	87.6	69.9	50.2	30.6	20.8	11.0
87.5°	8.9	9.0	9.0	8.9	8.8	10.0	11.0
85°	9.2	9.4	9.4	9.2	9.0	10.2	11.0
82.5°	9.6	9.8	9.8	9.5	9.3	10.5	11.0
80°	9.9	10.2	10.3	9.8	9.5	10.7	11.0
77.5°	10.6	10.7	10.7	10.2	9.7	10.9	11.0
75°	11.3	11.2	11.1	10.5	10.0	11.1	11.0
72.5°	11.9	11.8	11.5	10.8	10.3	11.4	11.0
70°	12.6	12.3	12.0	11.1	10.6	11.6	11.0
67.5°	13.4	12.9	12.5	11.6	10.9	11.8	11.0
65°	14.4	13.7	13.0	12.1	11.2	12.1	11.0
62.5°	15.4	14.8	13.5	12.6	11.6	12.3	11.0
60°	16.5	15.9	14.1	13.1	12.0	12.6	11.0
57.5°	18.8	17.2	15.4	13.6	12.7	12.8	11.0
55°	21.4	18.4	16.7	14.1	13.4	13.1	11.0
52.5°	24.1	20.0	18.2	14.7	14.1	13.3	11.0
50°	26.9	22.8	19.7	15.2	14.9	13.6	11.0
47.5°	30.3	25.7	21.2	15.9	15.8	13.9	11.0
45°	35.8	28.7	22.8	17.2	16.7	14.1	11.0
42.5°	41.5	31.9	24.5	18.4	17.6	14.4	11.0
40°	47.5	35.2	26.7	20.2	18.5	14.7	11.0
37.5°	53.8	38.6	29.3	22.4	19.5	14.9	11.0
35°	60.1	43.1	31.9	24.5	20.6	15.2	11.0
32.5°	67.3	48.1	34.5	26.7	21.6	15.5	11.0
30°	76.6	53.0	37.1	29.0	22.7	15.7	11.0
27.5°	85.7	57.8	40.7	31.2	23.8	16.0	11.0
25°	94.6	62.6	44.3	33.4	25.0	16.2	11.0
22.5°	103.1	67.5	47.8	35.7	26.1	16.5	11.0
20°	111.3	73.1	51.3	37.9	27.2	16.7	11.0
17.5°	119.7	78.5	54.7	40.1	28.3	17.0	11.0
15°	128.1	83.8	57.9	42.2	29.5	17.2	11.0
12.5°	136.0	88.8	61.1	44.3	30.6	17.4	11.0
10°	143.3	93.7	64.1	46.4	31.6	17.7	11.0
7.5°	150.0	98.3	67.0	48.4	32.7	17.9	11.0
5°	156.2	102.6	69.7	50.3	33.7	18.0	11.0
2.5°	161.8	106.6	72.3	52.2	34.6	18.2	11.0
0°	166.7	110.3	74.8	53.9	35.5	18.4	11.0
-2.5°	172.4	114.7	78.3	56.2	36.9	19.1	11.0
-5°	177.5	118.8	81.6	58.4	38.2	19.7	11.0
-7.5°	181.8	122.6	84.7	60.4	39.4	20.3	11.0
-10°	185.4	125.9	87.6	62.3	40.5	20.9	11.0
-12.5°	188.3	128.9	90.3	64.1	41.6	21.5	11.0
-15°	190.3	131.4	92.7	65.8	42.6	22.1	11.0
-17.5°	191.6	133.5	94.9	67.2	43.5	22.6	11.0
-20°	192.5	135.3	96.8	68.6	44.3	23.1	11.0



REPORT NUMBER: P735971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-4S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	193.4	136.6	98.4	69.7	45.0	23.5	11.0
-25°	193.5	138.2	99.8	70.7	45.7	24.0	11.0
-27.5°	192.7	139.6	100.8	71.5	46.3	24.3	11.0
-30°	190.9	140.6	101.7	72.2	46.7	24.7	11.0
-32.5°	188.4	141.0	103.1	72.6	47.1	25.0	11.0
-35°	187.4	141.0	104.1	72.9	47.4	25.3	11.0
-37.5°	186.8	141.0	104.9	73.0	47.5	25.5	11.0
-40°	185.7	141.7	105.4	72.9	47.6	25.7	11.0
-42.5°	183.7	141.9	105.7	72.8	47.6	25.8	11.0
-45°	180.9	141.7	105.9	72.9	47.5	25.9	11.0
-47.5°	177.6	141.2	105.8	72.9	47.3	26.0	11.0
-50°	175.8	140.3	105.4	72.9	47.0	26.0	11.0
-52.5°	173.9	139.0	104.7	72.8	46.6	25.9	11.0
-55°	171.5	137.3	103.6	72.4	46.1	25.9	11.0
-57.5°	168.8	135.3	102.3	71.9	45.6	25.7	11.0
-60°	165.6	132.8	100.7	71.2	44.9	25.6	11.0
-62.5°	161.9	130.0	99.3	70.4	44.2	25.4	11.0
-65°	157.7	126.8	97.7	69.3	43.4	25.1	11.0
-67.5°	153.1	123.5	95.8	68.0	42.5	24.8	11.0
-70°	148.1	120.2	93.6	66.6	41.5	24.5	11.0
-72.5°	143.0	116.5	91.2	65.0	40.4	24.1	11.0
-75°	137.6	112.6	88.6	63.3	39.3	23.8	11.0
-77.5°	131.8	108.3	85.9	61.5	38.0	23.3	11.0
-80°	125.6	104.3	83.1	59.5	36.6	22.9	11.0
-82.5°	120.7	100.4	80.0	57.4	35.2	22.4	11.0
-85°	115.8	96.3	76.8	55.1	33.7	21.9	11.0
-87.5°	110.7	92.1	73.4	52.8	32.2	21.4	11.0
-90°	8.6	8.6	8.6	8.6	8.6	9.8	11.0

(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

