

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: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-5S-HEG**

Issue Date: 11/16/2023

Test Information

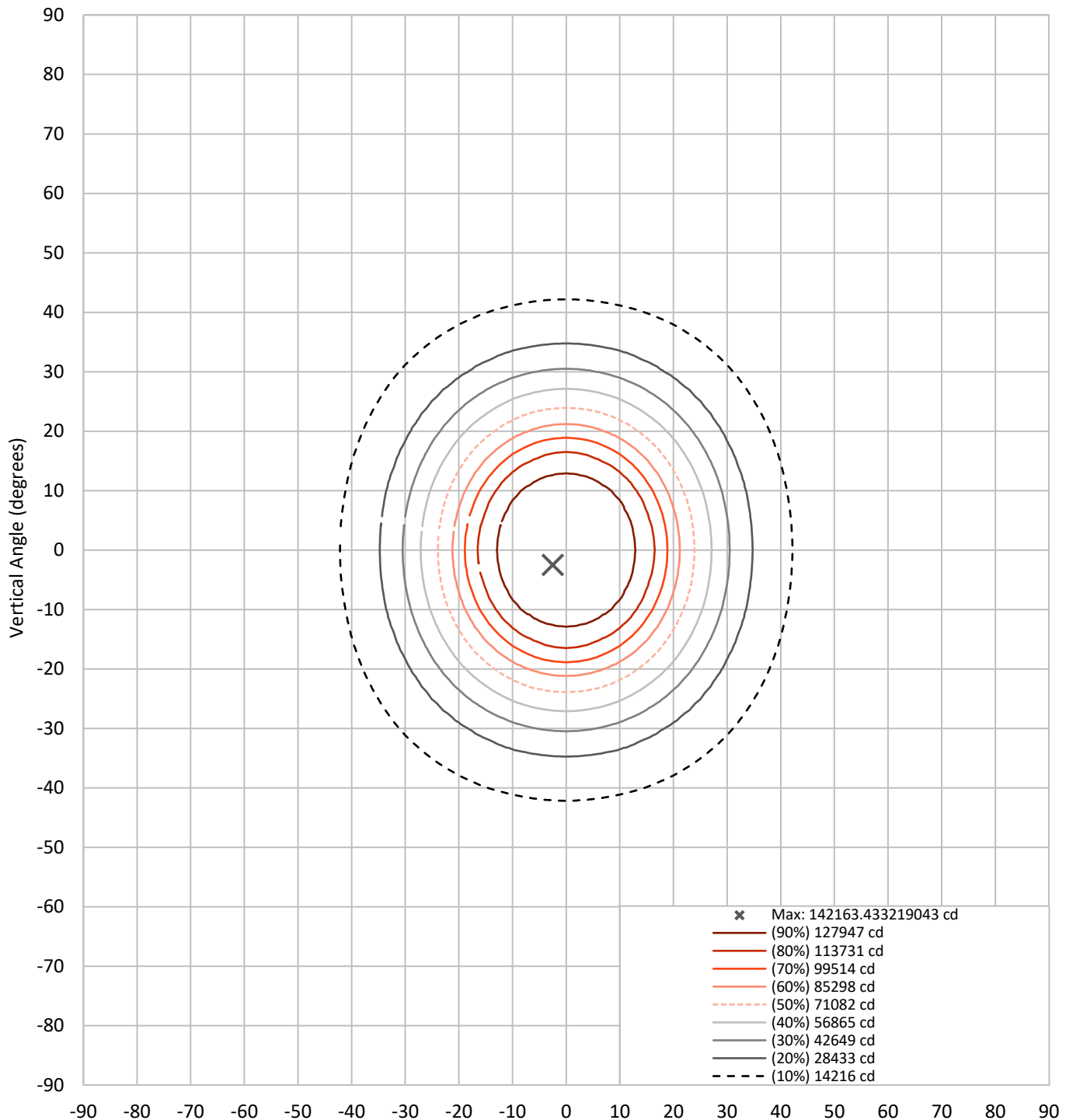
Test Method: LM-79-08
Report Number: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0680N-57-80-5S-HEG
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	103912.8 lumens	Max Intensity:	142163.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	149.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	58295.1 lumens	Field Lumens:	96821.1 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%
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		

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CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

Iso-Candela Plot





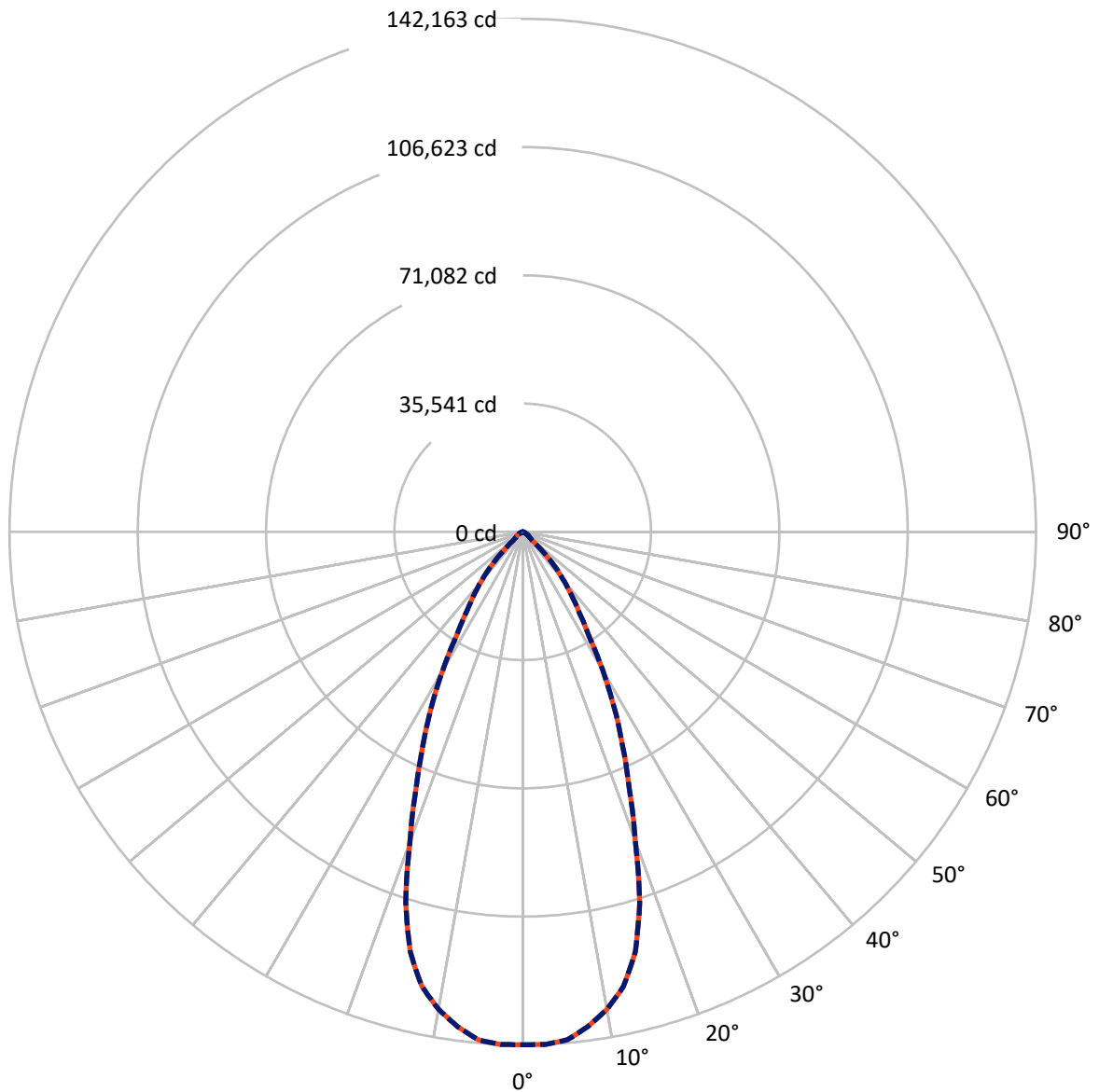
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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

Lumen Table

90																
80	0.1	1.0		3.3		7.0		8.9		7.0		3.3		1.0		0.1
70																
60	0.4	0.5	1.7	4.5	9.2	15.0	20.3	23.3	23.3	20.3	15.0	9.2	4.5	1.7	0.5	0.4
50		1.3	5.3	14.3	28.0	42.7	53.8	59.7	59.7	53.8	42.7	28.0	14.3	5.3	1.3	
40	1.1	2.8	11.7	29.7	51.3	92.5	188.3	265.1	265.1	188.3	92.5	51.3	29.7	11.7	2.8	1.1
30		4.9	19.8	44.4	129.0	390.4	659.1	844.5	844.5	659.1	390.4	129.0	44.4	19.8	4.9	
20	2.0	7.3	27.4	73.0	354.7	807.0	1444.3	1938.5	1938.5	1444.3	807.0	354.7	73.0	27.4	7.3	2.0
10		9.2	32.3	141.2	562.6	1359.2	2525.8	3441.2	3441.2	2525.8	1359.2	562.6	141.2	32.3	9.2	
0	2.4	10.3	34.8	193.0	700.1	1771.0	3341.0	4170.4	4170.4	3341.0	1771.0	700.1	193.0	34.8	10.3	2.4
-10		10.3	34.8	193.0	700.1	1771.0	3341.0	4170.4	4170.4	3341.0	1771.0	700.1	193.0	34.8	10.3	
-20	2.0	9.2	32.3	141.2	562.6	1359.2	2525.8	3441.2	3441.2	2525.8	1359.2	562.6	141.2	32.3	9.2	2.0
-30		7.3	27.4	73.0	354.7	807.0	1444.3	1938.5	1938.5	1444.3	807.0	354.7	73.0	27.4	7.3	
-40	1.1	4.9	19.8	44.4	129.0	390.4	659.1	844.5	844.5	659.1	390.4	129.0	44.4	19.8	4.9	1.1
-50		2.8	11.7	29.7	51.3	92.5	188.3	265.1	265.1	188.3	92.5	51.3	29.7	11.7	2.8	
-60	0.4	1.3	5.3	14.3	28.0	42.7	53.8	59.7	59.7	53.8	42.7	28.0	14.3	5.3	1.3	0.4
-70		0.5	1.7	4.5	9.2	15.0	20.3	23.3	23.3	20.3	15.0	9.2	4.5	1.7	0.5	
-80																
-90	0.1	1.0		3.3		7.0		8.9		7.0		3.3		1.0		0.1

REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

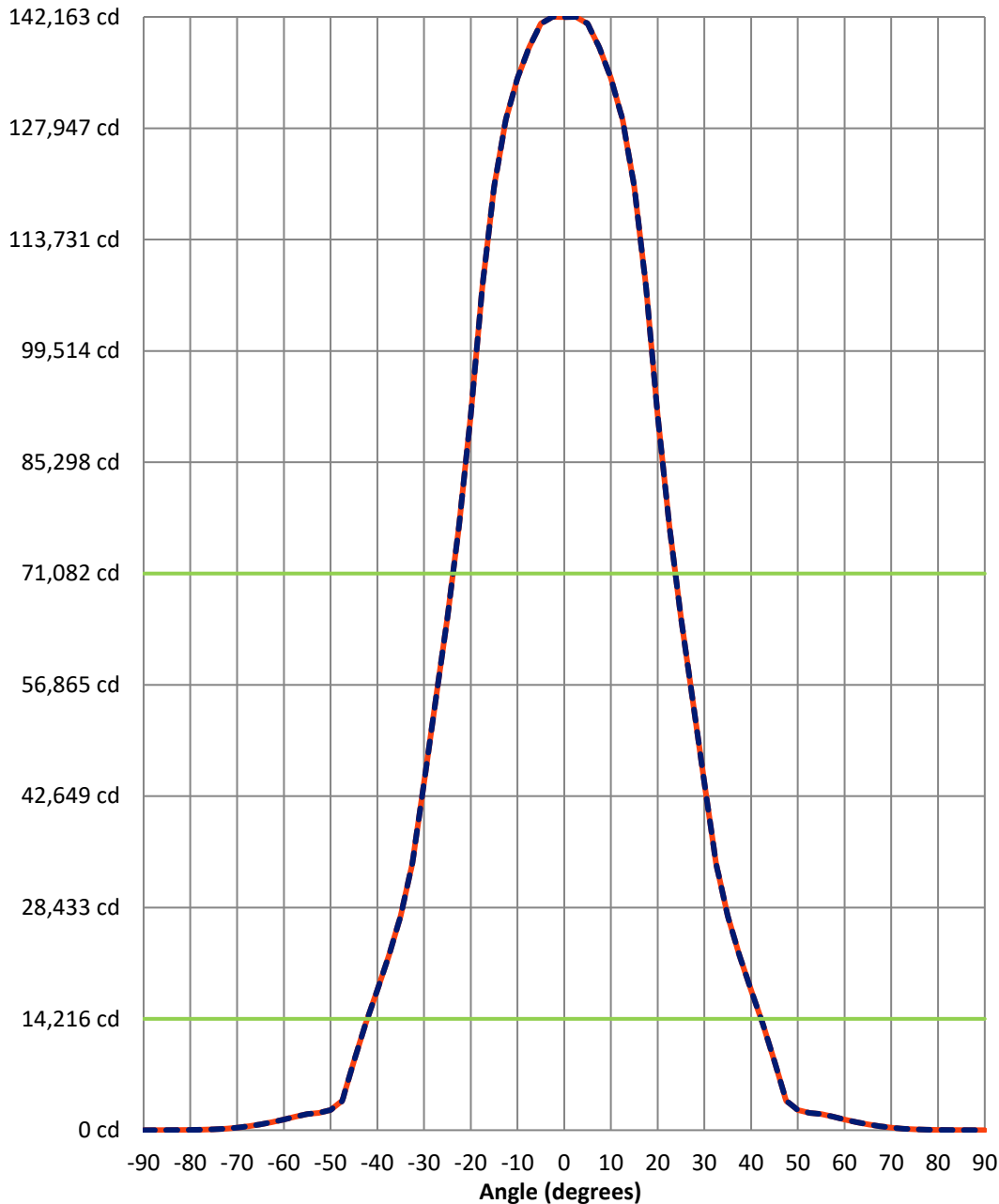
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 47.6°
 V Angle: 47.6°
 Lumens: 58295.1
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 96821.1
 Efficiency: 93.2%

Spill:
 Lumens: 7091.7
 Efficiency: 6.8%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through -2.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.3	5.8
82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	6.2	7.1	7.9	8.7
80°	0.0	1.2	2.4	3.6	4.8	5.9	7.1	8.3	9.4	10.5	11.6
77.5°	0.0	1.5	3.0	4.5	5.9	7.4	8.9	10.3	11.7	13.1	14.7
75°	0.0	1.8	3.6	5.3	7.1	8.9	10.6	12.3	14.1	16.2	18.2
72.5°	0.0	2.1	4.1	6.2	8.3	10.3	12.3	14.4	16.9	19.3	21.7
70°	0.0	2.4	4.7	7.1	9.4	11.7	14.1	16.9	19.7	22.5	26.3
67.5°	0.0	2.6	5.3	7.9	10.5	13.1	16.2	19.3	22.5	26.9	31.1
65°	0.0	2.9	5.8	8.7	11.6	14.7	18.2	21.7	26.3	31.1	37.7
62.5°	0.0	3.2	6.4	9.5	12.7	16.3	20.2	24.7	30.1	36.5	48.3
60°	0.0	3.4	6.9	10.3	13.7	18.0	22.2	28.0	33.8	45.9	58.8
57.5°	0.0	3.7	7.4	11.1	15.0	19.6	24.8	31.1	41.0	55.1	74.6
55°	0.0	4.0	7.9	11.9	16.3	21.1	27.4	34.2	49.0	65.7	92.7
52.5°	0.0	4.2	8.4	12.6	17.5	22.7	30.0	40.5	56.8	81.5	110.3
50°	0.0	4.4	8.9	13.3	18.6	24.8	32.5	47.1	66.1	96.9	134.2
47.5°	0.0	4.7	9.3	14.0	19.8	26.8	35.3	53.5	79.3	111.8	158.2
45°	0.0	4.9	9.8	14.8	20.9	28.7	40.5	59.6	92.0	132.4	181.3
42.5°	0.0	5.1	10.2	15.6	21.9	30.5	45.5	68.3	104.2	152.4	220.7
40°	0.0	5.3	10.6	16.3	23.1	32.3	50.3	78.5	117.6	171.5	261.3
37.5°	0.0	5.5	10.9	17.0	24.4	34.0	54.9	88.1	133.7	194.2	300.0
35°	0.0	5.7	11.3	17.7	25.7	36.8	59.2	97.3	148.9	227.0	341.7
32.5°	0.0	5.8	11.6	18.3	26.9	40.2	64.3	105.9	163.3	258.0	388.9
30°	0.0	6.0	11.9	18.9	28.0	43.4	71.2	114.9	176.8	287.0	433.1
27.5°	0.0	6.1	12.2	19.5	29.0	46.3	77.5	125.7	193.5	313.9	474.3
25°	0.0	6.3	12.5	20.0	29.9	49.0	83.4	135.7	215.4	344.7	512.7
22.5°	0.0	6.4	12.7	20.4	30.8	51.4	88.8	144.9	235.4	375.6	556.0
20°	0.0	6.5	13.0	20.8	31.6	53.7	93.6	153.1	253.4	403.6	595.1
17.5°	0.0	6.6	13.2	21.2	32.2	55.6	97.9	160.4	269.5	428.4	629.8
15°	0.0	6.7	13.3	21.5	32.8	57.3	101.7	166.8	283.5	450.0	660.2
12.5°	0.0	6.7	13.5	21.8	33.3	58.8	104.8	172.2	295.4	468.5	686.0
10°	0.0	6.8	13.6	22.0	33.8	60.0	107.4	176.6	305.1	483.6	707.3
7.5°	0.0	6.8	13.7	22.2	34.1	60.9	109.5	180.1	312.8	495.4	723.9
5°	0.0	6.9	13.7	22.3	34.3	61.6	110.9	182.6	318.2	503.9	735.8
2.5°	0.0	6.9	13.8	22.4	34.5	62.0	111.8	184.1	321.5	509.0	742.9
0°	0.0	6.9	13.8	22.4	34.5	62.1	112.1	184.6	322.6	510.7	745.3
-2.5°	0.0	6.9	13.8	22.4	34.5	62.0	111.8	184.1	321.5	509.0	742.9
-5°	0.0	6.9	13.7	22.3	34.3	61.6	110.9	182.6	318.2	503.9	735.8
-7.5°	0.0	6.8	13.7	22.2	34.1	60.9	109.5	180.1	312.8	495.4	723.9
-10°	0.0	6.8	13.6	22.0	33.8	60.0	107.4	176.6	305.1	483.6	707.3
-12.5°	0.0	6.7	13.5	21.8	33.3	58.8	104.8	172.2	295.4	468.5	686.0
-15°	0.0	6.7	13.3	21.5	32.8	57.3	101.7	166.8	283.5	450.0	660.2
-17.5°	0.0	6.6	13.2	21.2	32.2	55.6	97.9	160.4	269.5	428.4	629.8
-20°	0.0	6.5	13.0	20.8	31.6	53.7	93.6	153.1	253.4	403.6	595.1



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.4	12.7	20.4	30.8	51.4	88.8	144.9	235.4	375.6	556.0
-25°	0.0	6.3	12.5	20.0	29.9	49.0	83.4	135.7	215.4	344.7	512.7
-27.5°	0.0	6.1	12.2	19.5	29.0	46.3	77.5	125.7	193.5	313.9	474.3
-30°	0.0	6.0	11.9	18.9	28.0	43.4	71.2	114.9	176.8	287.0	433.1
-32.5°	0.0	5.8	11.6	18.3	26.9	40.2	64.3	105.9	163.3	258.0	388.9
-35°	0.0	5.7	11.3	17.7	25.7	36.8	59.2	97.3	148.9	227.0	341.7
-37.5°	0.0	5.5	10.9	17.0	24.4	34.0	54.9	88.1	133.7	194.2	300.0
-40°	0.0	5.3	10.6	16.3	23.1	32.3	50.3	78.5	117.6	171.5	261.3
-42.5°	0.0	5.1	10.2	15.6	21.9	30.5	45.5	68.3	104.2	152.4	220.7
-45°	0.0	4.9	9.8	14.8	20.9	28.7	40.5	59.6	92.0	132.4	181.3
-47.5°	0.0	4.7	9.3	14.0	19.8	26.8	35.3	53.5	79.3	111.8	158.2
-50°	0.0	4.4	8.9	13.3	18.6	24.8	32.5	47.1	66.1	96.9	134.2
-52.5°	0.0	4.2	8.4	12.6	17.5	22.7	30.0	40.5	56.8	81.5	110.3
-55°	0.0	4.0	7.9	11.9	16.3	21.1	27.4	34.2	49.0	65.7	92.7
-57.5°	0.0	3.7	7.4	11.1	15.0	19.6	24.8	31.1	41.0	55.1	74.6
-60°	0.0	3.4	6.9	10.3	13.7	18.0	22.2	28.0	33.8	45.9	58.8
-62.5°	0.0	3.2	6.4	9.5	12.7	16.3	20.2	24.7	30.1	36.5	48.3
-65°	0.0	2.9	5.8	8.7	11.6	14.7	18.2	21.7	26.3	31.1	37.7
-67.5°	0.0	2.6	5.3	7.9	10.5	13.1	16.2	19.3	22.5	26.9	31.1
-70°	0.0	2.4	4.7	7.1	9.4	11.7	14.1	16.9	19.7	22.5	26.3
-72.5°	0.0	2.1	4.1	6.2	8.3	10.3	12.3	14.4	16.9	19.3	21.7
-75°	0.0	1.8	3.6	5.3	7.1	8.9	10.6	12.3	14.1	16.2	18.2
-77.5°	0.0	1.5	3.0	4.5	5.9	7.4	8.9	10.3	11.7	13.1	14.7
-80°	0.0	1.2	2.4	3.6	4.8	5.9	7.1	8.3	9.4	10.5	11.6
-82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	6.2	7.1	7.9	8.7
-85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.3	5.8
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	3.4	3.7	4.0	4.2	4.4	4.7	4.9	5.1	5.3	5.5
85°	6.4	6.9	7.4	7.9	8.4	8.9	9.3	9.8	10.2	10.6	10.9
82.5°	9.5	10.3	11.1	11.9	12.6	13.3	14.0	14.8	15.6	16.3	17.0
80°	12.7	13.7	15.0	16.3	17.5	18.6	19.8	20.9	21.9	23.1	24.4
77.5°	16.3	18.0	19.6	21.1	22.7	24.8	26.8	28.7	30.5	32.3	34.0
75°	20.2	22.2	24.8	27.4	30.0	32.5	35.3	40.5	45.5	50.3	54.9
72.5°	24.7	28.0	31.1	34.2	40.5	47.1	53.5	59.6	68.3	78.5	88.1
70°	30.1	33.8	41.0	49.0	56.8	66.1	79.3	92.0	104.2	117.6	133.7
67.5°	36.5	45.9	55.1	65.7	81.5	96.9	111.8	132.4	152.4	171.5	194.2
65°	48.3	58.8	74.6	92.7	110.3	134.2	158.2	181.3	220.7	261.3	300.0
62.5°	60.0	79.1	99.4	122.5	150.5	177.8	222.0	270.5	317.3	376.4	434.7
60°	79.1	101.7	129.0	160.4	196.8	253.4	308.4	375.6	445.4	512.7	592.4
57.5°	99.4	129.0	163.7	209.4	272.5	338.0	419.2	497.9	589.2	680.1	771.8
55°	122.5	160.4	209.4	278.9	355.5	445.6	538.8	644.7	747.2	867.3	982.2
52.5°	150.5	196.8	272.5	355.5	454.4	561.0	678.2	802.2	936.4	1071.0	1214.5
50°	177.8	253.4	338.0	445.6	561.0	689.4	829.9	978.3	1136.2	1296.6	1462.4
47.5°	222.0	308.4	419.2	538.8	678.2	829.9	992.3	1169.0	1346.3	1538.5	1725.6
45°	270.5	375.6	497.9	644.7	802.2	978.3	1169.0	1363.0	1576.9	1777.7	1949.8
42.5°	317.3	445.4	589.2	747.2	936.4	1136.2	1346.3	1576.9	1794.6	1984.0	2109.7
40°	376.4	512.7	680.1	867.3	1071.0	1296.6	1538.5	1777.7	1984.0	2117.5	2204.1
37.5°	434.7	592.4	771.8	982.2	1214.5	1462.4	1725.6	1949.8	2109.7	2204.1	2435.0
35°	490.0	668.2	872.7	1101.2	1351.3	1629.6	1882.0	2086.5	2188.3	2414.0	2842.0
32.5°	550.1	739.8	968.3	1221.3	1497.2	1781.7	2029.2	2156.8	2351.1	2703.7	3551.2
30°	611.2	820.8	1062.3	1334.4	1636.3	1911.1	2110.4	2247.7	2536.4	3339.6	5628.7
27.5°	668.2	897.4	1159.3	1450.5	1762.7	2032.5	2168.8	2410.7	2991.8	4414.6	8340.5
25°	720.8	968.3	1249.2	1561.8	1867.0	2100.1	2246.8	2562.8	3517.4	6795.3	10768.6
22.5°	774.2	1033.3	1331.5	1663.8	1962.7	2146.5	2377.0	2966.4	4680.6	8998.2	12996.3
20°	827.3	1101.2	1411.8	1754.0	2049.6	2188.6	2495.5	3378.5	6558.4	10898.9	14901.3
17.5°	874.5	1161.6	1487.3	1825.2	2092.0	2255.0	2640.1	3748.5	8248.4	12613.6	16558.0
15°	915.8	1214.5	1553.3	1887.6	2122.4	2340.9	2940.4	4977.8	9688.3	14084.2	18028.8
12.5°	951.0	1259.5	1609.6	1940.8	2148.4	2414.5	3197.7	6158.4	10891.7	15252.7	19349.4
10°	979.9	1296.6	1655.9	1984.7	2169.9	2475.2	3410.5	7136.0	11889.9	16223.7	20449.2
7.5°	1002.5	1325.5	1692.2	2019.1	2186.7	2522.8	3577.5	7903.8	12674.8	16988.6	21317.1
5°	1018.7	1346.3	1718.2	2043.7	2198.7	2557.0	3697.5	8456.4	13240.3	17540.2	21944.0
2.5°	1028.4	1358.8	1733.9	2058.5	2206.0	2577.6	3769.8	8789.6	13581.5	17873.4	22323.1
0°	1031.7	1363.0	1739.1	2063.5	2208.4	2584.5	3794.0	8900.9	13695.6	17984.8	22449.9
-2.5°	1028.4	1358.8	1733.9	2058.5	2206.0	2577.6	3769.8	8789.6	13581.5	17873.4	22323.1
-5°	1018.7	1346.3	1718.2	2043.7	2198.7	2557.0	3697.5	8456.4	13240.3	17540.2	21944.0
-7.5°	1002.5	1325.5	1692.2	2019.1	2186.7	2522.8	3577.5	7903.8	12674.8	16988.6	21317.1
-10°	979.9	1296.6	1655.9	1984.7	2169.9	2475.2	3410.5	7136.0	11889.9	16223.7	20449.2
-12.5°	951.0	1259.5	1609.6	1940.8	2148.4	2414.5	3197.7	6158.4	10891.7	15252.7	19349.4
-15°	915.8	1214.5	1553.3	1887.6	2122.4	2340.9	2940.4	4977.8	9688.3	14084.2	18028.8
-17.5°	874.5	1161.6	1487.3	1825.2	2092.0	2255.0	2640.1	3748.5	8248.4	12613.6	16558.0
-20°	827.3	1101.2	1411.8	1754.0	2049.6	2188.6	2495.5	3378.5	6558.4	10898.9	14901.3



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	774.2	1033.3	1331.5	1663.8	1962.7	2146.5	2377.0	2966.4	4680.6	8998.2	12996.3
-25°	720.8	968.3	1249.2	1561.8	1867.0	2100.1	2246.8	2562.8	3517.4	6795.3	10768.6
-27.5°	668.2	897.4	1159.3	1450.5	1762.7	2032.5	2168.8	2410.7	2991.8	4414.6	8340.5
-30°	611.2	820.8	1062.3	1334.4	1636.3	1911.1	2110.4	2247.7	2536.4	3339.6	5628.7
-32.5°	550.1	739.8	968.3	1221.3	1497.2	1781.7	2029.2	2156.8	2351.1	2703.7	3551.2
-35°	490.0	668.2	872.7	1101.2	1351.3	1629.6	1882.0	2086.5	2188.3	2414.0	2842.0
-37.5°	434.7	592.4	771.8	982.2	1214.5	1462.4	1725.6	1949.8	2109.7	2204.1	2435.0
-40°	376.4	512.7	680.1	867.3	1071.0	1296.6	1538.5	1777.7	1984.0	2117.5	2204.1
-42.5°	317.3	445.4	589.2	747.2	936.4	1136.2	1346.3	1576.9	1794.6	1984.0	2109.7
-45°	270.5	375.6	497.9	644.7	802.2	978.3	1169.0	1363.0	1576.9	1777.7	1949.8
-47.5°	222.0	308.4	419.2	538.8	678.2	829.9	992.3	1169.0	1346.3	1538.5	1725.6
-50°	177.8	253.4	338.0	445.6	561.0	689.4	829.9	978.3	1136.2	1296.6	1462.4
-52.5°	150.5	196.8	272.5	355.5	454.4	561.0	678.2	802.2	936.4	1071.0	1214.5
-55°	122.5	160.4	209.4	278.9	355.5	445.6	538.8	644.7	747.2	867.3	982.2
-57.5°	99.4	129.0	163.7	209.4	272.5	338.0	419.2	497.9	589.2	680.1	771.8
-60°	79.1	101.7	129.0	160.4	196.8	253.4	308.4	375.6	445.4	512.7	592.4
-62.5°	60.0	79.1	99.4	122.5	150.5	177.8	222.0	270.5	317.3	376.4	434.7
-65°	48.3	58.8	74.6	92.7	110.3	134.2	158.2	181.3	220.7	261.3	300.0
-67.5°	36.5	45.9	55.1	65.7	81.5	96.9	111.8	132.4	152.4	171.5	194.2
-70°	30.1	33.8	41.0	49.0	56.8	66.1	79.3	92.0	104.2	117.6	133.7
-72.5°	24.7	28.0	31.1	34.2	40.5	47.1	53.5	59.6	68.3	78.5	88.1
-75°	20.2	22.2	24.8	27.4	30.0	32.5	35.3	40.5	45.5	50.3	54.9
-77.5°	16.3	18.0	19.6	21.1	22.7	24.8	26.8	28.7	30.5	32.3	34.0
-80°	12.7	13.7	15.0	16.3	17.5	18.6	19.8	20.9	21.9	23.1	24.4
-82.5°	9.5	10.3	11.1	11.9	12.6	13.3	14.0	14.8	15.6	16.3	17.0
-85°	6.4	6.9	7.4	7.9	8.4	8.9	9.3	9.8	10.2	10.6	10.9
-87.5°	3.2	3.4	3.7	4.0	4.2	4.4	4.7	4.9	5.1	5.3	5.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.7	5.8	6.0	6.1	6.3	6.4	6.5	6.6	6.7	6.7	6.8
85°	11.3	11.6	11.9	12.2	12.5	12.7	13.0	13.2	13.3	13.5	13.6
82.5°	17.7	18.3	18.9	19.5	20.0	20.4	20.8	21.2	21.5	21.8	22.0
80°	25.7	26.9	28.0	29.0	29.9	30.8	31.6	32.2	32.8	33.3	33.8
77.5°	36.8	40.2	43.4	46.3	49.0	51.4	53.7	55.6	57.3	58.8	60.0
75°	59.2	64.3	71.2	77.5	83.4	88.8	93.6	97.9	101.7	104.8	107.4
72.5°	97.3	105.9	114.9	125.7	135.7	144.9	153.1	160.4	166.8	172.2	176.6
70°	148.9	163.3	176.8	193.5	215.4	235.4	253.4	269.5	283.5	295.4	305.1
67.5°	227.0	258.0	287.0	313.9	344.7	375.6	403.6	428.4	450.0	468.5	483.6
65°	341.7	388.9	433.1	474.3	512.7	556.0	595.1	629.8	660.2	686.0	707.3
62.5°	490.0	550.1	611.2	668.2	720.8	774.2	827.3	874.5	915.8	951.0	979.9
60°	668.2	739.8	820.8	897.4	968.3	1033.3	1101.2	1161.6	1214.5	1259.5	1296.6
57.5°	872.7	968.3	1062.3	1159.3	1249.2	1331.5	1411.8	1487.3	1553.3	1609.6	1655.9
55°	1101.2	1221.3	1334.4	1450.5	1561.8	1663.8	1754.0	1825.2	1887.6	1940.8	1984.7
52.5°	1351.3	1497.2	1636.3	1762.7	1867.0	1962.7	2049.6	2092.0	2122.4	2148.4	2169.9
50°	1629.6	1781.7	1911.1	2032.5	2100.1	2146.5	2188.6	2255.0	2340.9	2414.5	2475.2
47.5°	1882.0	2029.2	2110.4	2168.8	2246.8	2377.0	2495.5	2640.1	2940.4	3197.7	3410.5
45°	2086.5	2156.8	2247.7	2410.7	2562.8	2966.4	3378.5	3748.5	4977.8	6158.4	7136.0
42.5°	2188.3	2351.1	2536.4	2991.8	3517.4	4680.6	6558.4	8248.4	9688.3	10891.7	11889.9
40°	2414.0	2703.7	3339.6	4414.6	6795.3	8998.2	10898.9	12613.6	14084.2	15252.7	16223.7
37.5°	2842.0	3551.2	5628.7	8340.5	10768.6	12996.3	14901.3	16558.0	18028.8	19349.4	20449.2
35°	3622.3	6242.6	9258.9	11973.0	14444.7	16582.6	18577.0	20439.1	22095.5	23675.4	25034.3
32.5°	6242.6	9555.9	12582.9	15284.0	17729.5	20104.2	22311.4	24573.8	26610.0	28673.9	30660.8
30°	9258.9	12582.9	15566.3	18324.5	21039.1	23746.6	26438.9	29373.6	32333.2	35244.3	38580.9
27.5°	11973.0	15284.0	18324.5	21353.9	24485.5	27607.5	31485.2	35450.4	40385.8	44715.0	48442.2
25°	14444.7	17729.5	21039.1	24485.5	28125.3	32561.5	38024.5	43940.8	49391.9	54215.7	58291.0
22.5°	16582.6	20104.2	23746.6	27607.5	32561.5	38894.8	45779.5	52292.8	58216.1	63459.4	68217.4
20°	18577.0	22311.4	26438.9	31485.2	38024.5	45779.5	53276.7	60269.1	66794.5	73315.8	79168.8
17.5°	20439.1	24573.8	29373.6	35450.4	43940.8	52292.8	60269.1	68041.0	75959.1	84190.8	91711.6
15°	22095.5	26610.0	32333.2	40385.8	49391.9	58216.1	66794.5	75959.1	85913.3	95953.8	105799.6
12.5°	23675.4	28673.9	35244.3	44715.0	54215.7	63459.4	73315.8	84190.8	95953.8	108191.0	116651.0
10°	25034.3	30660.8	38580.9	48442.2	58291.0	68217.4	79168.8	91711.6	105799.6	116651.0	124788.0
7.5°	26109.2	32236.6	41236.5	51421.4	61557.9	72328.1	84680.3	98903.2	112764.4	123148.4	129725.6
5°	26887.0	33379.5	43167.6	53595.4	63952.4	75358.7	88775.1	104359.7	117478.0	126928.0	132721.3
2.5°	27357.8	34072.4	44340.7	54919.3	65415.3	77218.0	91301.8	107754.3	120445.8	129021.9	134330.3
0°	27515.5	34304.6	44734.2	55363.9	65907.4	77844.9	92156.5	108907.7	121461.1	129665.1	134880.7
-2.5°	27357.8	34072.4	44340.7	54919.3	65415.3	77218.0	91301.8	107754.3	120445.8	129021.9	134330.3
-5°	26887.0	33379.5	43167.6	53595.4	63952.4	75358.7	88775.1	104359.7	117478.0	126928.0	132721.3
-7.5°	26109.2	32236.6	41236.5	51421.4	61557.9	72328.1	84680.3	98903.2	112764.4	123148.4	129725.6
-10°	25034.3	30660.8	38580.9	48442.2	58291.0	68217.4	79168.8	91711.6	105799.6	116651.0	124788.0
-12.5°	23675.4	28673.9	35244.3	44715.0	54215.7	63459.4	73315.8	84190.8	95953.8	108191.0	116651.0
-15°	22095.5	26610.0	32333.2	40385.8	49391.9	58216.1	66794.5	75959.1	85913.3	95953.8	105799.6
-17.5°	20439.1	24573.8	29373.6	35450.4	43940.8	52292.8	60269.1	68041.0	75959.1	84190.8	91711.6
-20°	18577.0	22311.4	26438.9	31485.2	38024.5	45779.5	53276.7	60269.1	66794.5	73315.8	79168.8



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	16582.6	20104.2	23746.6	27607.5	32561.5	38894.8	45779.5	52292.8	58216.1	63459.4	68217.4
-25°	14444.7	17729.5	21039.1	24485.5	28125.3	32561.5	38024.5	43940.8	49391.9	54215.7	58291.0
-27.5°	11973.0	15284.0	18324.5	21353.9	24485.5	27607.5	31485.2	35450.4	40385.8	44715.0	48442.2
-30°	9258.9	12582.9	15566.3	18324.5	21039.1	23746.6	26438.9	29373.6	32333.2	35244.3	38580.9
-32.5°	6242.6	9555.9	12582.9	15284.0	17729.5	20104.2	22311.4	24573.8	26610.0	28673.9	30660.8
-35°	3622.3	6242.6	9258.9	11973.0	14444.7	16582.6	18577.0	20439.1	22095.5	23675.4	25034.3
-37.5°	2842.0	3551.2	5628.7	8340.5	10768.6	12996.3	14901.3	16558.0	18028.8	19349.4	20449.2
-40°	2414.0	2703.7	3339.6	4414.6	6795.3	8998.2	10898.9	12613.6	14084.2	15252.7	16223.7
-42.5°	2188.3	2351.1	2536.4	2991.8	3517.4	4680.6	6558.4	8248.4	9688.3	10891.7	11889.9
-45°	2086.5	2156.8	2247.7	2410.7	2562.8	2966.4	3378.5	3748.5	4977.8	6158.4	7136.0
-47.5°	1882.0	2029.2	2110.4	2168.8	2246.8	2377.0	2495.5	2640.1	2940.4	3197.7	3410.5
-50°	1629.6	1781.7	1911.1	2032.5	2100.1	2146.5	2188.6	2255.0	2340.9	2414.5	2475.2
-52.5°	1351.3	1497.2	1636.3	1762.7	1867.0	1962.7	2049.6	2092.0	2122.4	2148.4	2169.9
-55°	1101.2	1221.3	1334.4	1450.5	1561.8	1663.8	1754.0	1825.2	1887.6	1940.8	1984.7
-57.5°	872.7	968.3	1062.3	1159.3	1249.2	1331.5	1411.8	1487.3	1553.3	1609.6	1655.9
-60°	668.2	739.8	820.8	897.4	968.3	1033.3	1101.2	1161.6	1214.5	1259.5	1296.6
-62.5°	490.0	550.1	611.2	668.2	720.8	774.2	827.3	874.5	915.8	951.0	979.9
-65°	341.7	388.9	433.1	474.3	512.7	556.0	595.1	629.8	660.2	686.0	707.3
-67.5°	227.0	258.0	287.0	313.9	344.7	375.6	403.6	428.4	450.0	468.5	483.6
-70°	148.9	163.3	176.8	193.5	215.4	235.4	253.4	269.5	283.5	295.4	305.1
-72.5°	97.3	105.9	114.9	125.7	135.7	144.9	153.1	160.4	166.8	172.2	176.6
-75°	59.2	64.3	71.2	77.5	83.4	88.8	93.6	97.9	101.7	104.8	107.4
-77.5°	36.8	40.2	43.4	46.3	49.0	51.4	53.7	55.6	57.3	58.8	60.0
-80°	25.7	26.9	28.0	29.0	29.9	30.8	31.6	32.2	32.8	33.3	33.8
-82.5°	17.7	18.3	18.9	19.5	20.0	20.4	20.8	21.2	21.5	21.8	22.0
-85°	11.3	11.6	11.9	12.2	12.5	12.7	13.0	13.2	13.3	13.5	13.6
-87.5°	5.7	5.8	6.0	6.1	6.3	6.4	6.5	6.6	6.7	6.7	6.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.7	6.7	6.6
85°	13.7	13.7	13.8	13.8	13.8	13.7	13.7	13.6	13.5	13.3	13.2
82.5°	22.2	22.3	22.4	22.4	22.4	22.3	22.2	22.0	21.8	21.5	21.2
80°	34.1	34.3	34.5	34.5	34.5	34.3	34.1	33.8	33.3	32.8	32.2
77.5°	60.9	61.6	62.0	62.1	62.0	61.6	60.9	60.0	58.8	57.3	55.6
75°	109.5	110.9	111.8	112.1	111.8	110.9	109.5	107.4	104.8	101.7	97.9
72.5°	180.1	182.6	184.1	184.6	184.1	182.6	180.1	176.6	172.2	166.8	160.4
70°	312.8	318.2	321.5	322.6	321.5	318.2	312.8	305.1	295.4	283.5	269.5
67.5°	495.4	503.9	509.0	510.7	509.0	503.9	495.4	483.6	468.5	450.0	428.4
65°	723.9	735.8	742.9	745.3	742.9	735.8	723.9	707.3	686.0	660.2	629.8
62.5°	1002.5	1018.7	1028.4	1031.7	1028.4	1018.7	1002.5	979.9	951.0	915.8	874.5
60°	1325.5	1346.3	1358.8	1363.0	1358.8	1346.3	1325.5	1296.6	1259.5	1214.5	1161.6
57.5°	1692.2	1718.2	1733.9	1739.1	1733.9	1718.2	1692.2	1655.9	1609.6	1553.3	1487.3
55°	2019.1	2043.7	2058.5	2063.5	2058.5	2043.7	2019.1	1984.7	1940.8	1887.6	1825.2
52.5°	2186.7	2198.7	2206.0	2208.4	2206.0	2198.7	2186.7	2169.9	2148.4	2122.4	2092.0
50°	2522.8	2557.0	2577.6	2584.5	2577.6	2557.0	2522.8	2475.2	2414.5	2340.9	2255.0
47.5°	3577.5	3697.5	3769.8	3794.0	3769.8	3697.5	3577.5	3410.5	3197.7	2940.4	2640.1
45°	7903.8	8456.4	8789.6	8900.9	8789.6	8456.4	7903.8	7136.0	6158.4	4977.8	3748.5
42.5°	12674.8	13240.3	13581.5	13695.6	13581.5	13240.3	12674.8	11889.9	10891.7	9688.3	8248.4
40°	16988.6	17540.2	17873.4	17984.8	17873.4	17540.2	16988.6	16223.7	15252.7	14084.2	12613.6
37.5°	21317.1	21944.0	22323.1	22449.9	22323.1	21944.0	21317.1	20449.2	19349.4	18028.8	16558.0
35°	26109.2	26887.0	27357.8	27515.5	27357.8	26887.0	26109.2	25034.3	23675.4	22095.5	20439.1
32.5°	32236.6	33379.5	34072.4	34304.6	34072.4	33379.5	32236.6	30660.8	28673.9	26610.0	24573.8
30°	41236.5	43167.6	44340.7	44734.2	44340.7	43167.6	41236.5	38580.9	35244.3	32333.2	29373.6
27.5°	51421.4	53595.4	54919.3	55363.9	54919.3	53595.4	51421.4	48442.2	44715.0	40385.8	35450.4
25°	61557.9	63952.4	65415.3	65907.4	65415.3	63952.4	61557.9	58291.0	54215.7	49391.9	43940.8
22.5°	72328.1	75358.7	77218.0	77844.9	77218.0	75358.7	72328.1	68217.4	63459.4	58216.1	52292.8
20°	84680.3	88775.1	91301.8	92156.5	91301.8	88775.1	84680.3	79168.8	73315.8	66794.5	60269.1
17.5°	98903.2	104359.7	107754.3	108907.7	107754.3	104359.7	98903.2	91711.6	84190.8	75959.1	68041.0
15°	112764.4	117478.0	120445.8	121461.1	120445.8	117478.0	112764.4	105799.6	95953.8	85913.3	75959.1
12.5°	123148.4	126928.0	129021.9	129665.1	129021.9	126928.0	123148.4	116651.0	108191.0	95953.8	84190.8
10°	129725.6	132721.3	134330.3	134880.7	134330.3	132721.3	129725.6	124788.0	116651.0	105799.6	91711.6
7.5°	133812.4	136600.9	138276.0	138866.2	138276.0	136600.9	133812.4	129725.6	123148.4	112764.4	98903.2
5°	136600.9	139500.3	141299.1	141847.6	141299.1	139500.3	136600.9	132721.3	126928.0	117478.0	104359.7
2.5°	138276.0	141299.1	142163.4	142134.0	142163.4	141299.1	138276.0	134330.3	129021.9	120445.8	107754.3
0°	138866.2	141847.6	142134.0	141585.3	142134.0	141847.6	138866.2	134880.7	129665.1	121461.1	108907.7
-2.5°	138276.0	141299.1	142163.4	142134.0	142163.4	141299.1	138276.0	134330.3	129021.9	120445.8	107754.3
-5°	136600.9	139500.3	141299.1	141847.6	141299.1	139500.3	136600.9	132721.3	126928.0	117478.0	104359.7
-7.5°	133812.4	136600.9	138276.0	138866.2	138276.0	136600.9	133812.4	129725.6	123148.4	112764.4	98903.2
-10°	129725.6	132721.3	134330.3	134880.7	134330.3	132721.3	129725.6	124788.0	116651.0	105799.6	91711.6
-12.5°	123148.4	126928.0	129021.9	129665.1	129021.9	126928.0	123148.4	116651.0	108191.0	95953.8	84190.8
-15°	112764.4	117478.0	120445.8	121461.1	120445.8	117478.0	112764.4	105799.6	95953.8	85913.3	75959.1
-17.5°	98903.2	104359.7	107754.3	108907.7	107754.3	104359.7	98903.2	91711.6	84190.8	75959.1	68041.0
-20°	84680.3	88775.1	91301.8	92156.5	91301.8	88775.1	84680.3	79168.8	73315.8	66794.5	60269.1



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	72328.1	75358.7	77218.0	77844.9	77218.0	75358.7	72328.1	68217.4	63459.4	58216.1	52292.8
-25°	61557.9	63952.4	65415.3	65907.4	65415.3	63952.4	61557.9	58291.0	54215.7	49391.9	43940.8
-27.5°	51421.4	53595.4	54919.3	55363.9	54919.3	53595.4	51421.4	48442.2	44715.0	40385.8	35450.4
-30°	41236.5	43167.6	44340.7	44734.2	44340.7	43167.6	41236.5	38580.9	35244.3	32333.2	29373.6
-32.5°	32236.6	33379.5	34072.4	34304.6	34072.4	33379.5	32236.6	30660.8	28673.9	26610.0	24573.8
-35°	26109.2	26887.0	27357.8	27515.5	27357.8	26887.0	26109.2	25034.3	23675.4	22095.5	20439.1
-37.5°	21317.1	21944.0	22323.1	22449.9	22323.1	21944.0	21317.1	20449.2	19349.4	18028.8	16558.0
-40°	16988.6	17540.2	17873.4	17984.8	17873.4	17540.2	16988.6	16223.7	15252.7	14084.2	12613.6
-42.5°	12674.8	13240.3	13581.5	13695.6	13581.5	13240.3	12674.8	11889.9	10891.7	9688.3	8248.4
-45°	7903.8	8456.4	8789.6	8900.9	8789.6	8456.4	7903.8	7136.0	6158.4	4977.8	3748.5
-47.5°	3577.5	3697.5	3769.8	3794.0	3769.8	3697.5	3577.5	3410.5	3197.7	2940.4	2640.1
-50°	2522.8	2557.0	2577.6	2584.5	2577.6	2557.0	2522.8	2475.2	2414.5	2340.9	2255.0
-52.5°	2186.7	2198.7	2206.0	2208.4	2206.0	2198.7	2186.7	2169.9	2148.4	2122.4	2092.0
-55°	2019.1	2043.7	2058.5	2063.5	2058.5	2043.7	2019.1	1984.7	1940.8	1887.6	1825.2
-57.5°	1692.2	1718.2	1733.9	1739.1	1733.9	1718.2	1692.2	1655.9	1609.6	1553.3	1487.3
-60°	1325.5	1346.3	1358.8	1363.0	1358.8	1346.3	1325.5	1296.6	1259.5	1214.5	1161.6
-62.5°	1002.5	1018.7	1028.4	1031.7	1028.4	1018.7	1002.5	979.9	951.0	915.8	874.5
-65°	723.9	735.8	742.9	745.3	742.9	735.8	723.9	707.3	686.0	660.2	629.8
-67.5°	495.4	503.9	509.0	510.7	509.0	503.9	495.4	483.6	468.5	450.0	428.4
-70°	312.8	318.2	321.5	322.6	321.5	318.2	312.8	305.1	295.4	283.5	269.5
-72.5°	180.1	182.6	184.1	184.6	184.1	182.6	180.1	176.6	172.2	166.8	160.4
-75°	109.5	110.9	111.8	112.1	111.8	110.9	109.5	107.4	104.8	101.7	97.9
-77.5°	60.9	61.6	62.0	62.1	62.0	61.6	60.9	60.0	58.8	57.3	55.6
-80°	34.1	34.3	34.5	34.5	34.5	34.3	34.1	33.8	33.3	32.8	32.2
-82.5°	22.2	22.3	22.4	22.4	22.4	22.3	22.2	22.0	21.8	21.5	21.2
-85°	13.7	13.7	13.8	13.8	13.8	13.7	13.7	13.6	13.5	13.3	13.2
-87.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.7	6.7	6.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.5	6.4	6.3	6.1	6.0	5.8	5.7	5.5	5.3	5.1	4.9
85°	13.0	12.7	12.5	12.2	11.9	11.6	11.3	10.9	10.6	10.2	9.8
82.5°	20.8	20.4	20.0	19.5	18.9	18.3	17.7	17.0	16.3	15.6	14.8
80°	31.6	30.8	29.9	29.0	28.0	26.9	25.7	24.4	23.1	21.9	20.9
77.5°	53.7	51.4	49.0	46.3	43.4	40.2	36.8	34.0	32.3	30.5	28.7
75°	93.6	88.8	83.4	77.5	71.2	64.3	59.2	54.9	50.3	45.5	40.5
72.5°	153.1	144.9	135.7	125.7	114.9	105.9	97.3	88.1	78.5	68.3	59.6
70°	253.4	235.4	215.4	193.5	176.8	163.3	148.9	133.7	117.6	104.2	92.0
67.5°	403.6	375.6	344.7	313.9	287.0	258.0	227.0	194.2	171.5	152.4	132.4
65°	595.1	556.0	512.7	474.3	433.1	388.9	341.7	300.0	261.3	220.7	181.3
62.5°	827.3	774.2	720.8	668.2	611.2	550.1	490.0	434.7	376.4	317.3	270.5
60°	1101.2	1033.3	968.3	897.4	820.8	739.8	668.2	592.4	512.7	445.4	375.6
57.5°	1411.8	1331.5	1249.2	1159.3	1062.3	968.3	872.7	771.8	680.1	589.2	497.9
55°	1754.0	1663.8	1561.8	1450.5	1334.4	1221.3	1101.2	982.2	867.3	747.2	644.7
52.5°	2049.6	1962.7	1867.0	1762.7	1636.3	1497.2	1351.3	1214.5	1071.0	936.4	802.2
50°	2188.6	2146.5	2100.1	2032.5	1911.1	1781.7	1629.6	1462.4	1296.6	1136.2	978.3
47.5°	2495.5	2377.0	2246.8	2168.8	2110.4	2029.2	1882.0	1725.6	1538.5	1346.3	1169.0
45°	3378.5	2966.4	2562.8	2410.7	2247.7	2156.8	2086.5	1949.8	1777.7	1576.9	1363.0
42.5°	6558.4	4680.6	3517.4	2991.8	2536.4	2351.1	2188.3	2109.7	1984.0	1794.6	1576.9
40°	10898.9	8998.2	6795.3	4414.6	3339.6	2703.7	2414.0	2204.1	2117.5	1984.0	1777.7
37.5°	14901.3	12996.3	10768.6	8340.5	5628.7	3551.2	2842.0	2435.0	2204.1	2109.7	1949.8
35°	18577.0	16582.6	14444.7	11973.0	9258.9	6242.6	3622.3	2842.0	2414.0	2188.3	2086.5
32.5°	22311.4	20104.2	17729.5	15284.0	12582.9	9555.9	6242.6	3551.2	2703.7	2351.1	2156.8
30°	26438.9	23746.6	21039.1	18324.5	15566.3	12582.9	9258.9	5628.7	3339.6	2536.4	2247.7
27.5°	31485.2	27607.5	24485.5	21353.9	18324.5	15284.0	11973.0	8340.5	4414.6	2991.8	2410.7
25°	38024.5	32561.5	28125.3	24485.5	21039.1	17729.5	14444.7	10768.6	6795.3	3517.4	2562.8
22.5°	45779.5	38894.8	32561.5	27607.5	23746.6	20104.2	16582.6	12996.3	8998.2	4680.6	2966.4
20°	53276.7	45779.5	38024.5	31485.2	26438.9	22311.4	18577.0	14901.3	10898.9	6558.4	3378.5
17.5°	60269.1	52292.8	43940.8	35450.4	29373.6	24573.8	20439.1	16558.0	12613.6	8248.4	3748.5
15°	66794.5	58216.1	49391.9	40385.8	32333.2	26610.0	22095.5	18028.8	14084.2	9688.3	4977.8
12.5°	73315.8	63459.4	54215.7	44715.0	35244.3	28673.9	23675.4	19349.4	15252.7	10891.7	6158.4
10°	79168.8	68217.4	58291.0	48442.2	38580.9	30660.8	25034.3	20449.2	16223.7	11889.9	7136.0
7.5°	84680.3	72328.1	61557.9	51421.4	41236.5	32236.6	26109.2	21317.1	16988.6	12674.8	7903.8
5°	88775.1	75358.7	63952.4	53595.4	43167.6	33379.5	26887.0	21944.0	17540.2	13240.3	8456.4
2.5°	91301.8	77218.0	65415.3	54919.3	44340.7	34072.4	27357.8	22323.1	17873.4	13581.5	8789.6
0°	92156.5	77844.9	65907.4	55363.9	44734.2	34304.6	27515.5	22449.9	17984.8	13695.6	8900.9
-2.5°	91301.8	77218.0	65415.3	54919.3	44340.7	34072.4	27357.8	22323.1	17873.4	13581.5	8789.6
-5°	88775.1	75358.7	63952.4	53595.4	43167.6	33379.5	26887.0	21944.0	17540.2	13240.3	8456.4
-7.5°	84680.3	72328.1	61557.9	51421.4	41236.5	32236.6	26109.2	21317.1	16988.6	12674.8	7903.8
-10°	79168.8	68217.4	58291.0	48442.2	38580.9	30660.8	25034.3	20449.2	16223.7	11889.9	7136.0
-12.5°	73315.8	63459.4	54215.7	44715.0	35244.3	28673.9	23675.4	19349.4	15252.7	10891.7	6158.4
-15°	66794.5	58216.1	49391.9	40385.8	32333.2	26610.0	22095.5	18028.8	14084.2	9688.3	4977.8
-17.5°	60269.1	52292.8	43940.8	35450.4	29373.6	24573.8	20439.1	16558.0	12613.6	8248.4	3748.5
-20°	53276.7	45779.5	38024.5	31485.2	26438.9	22311.4	18577.0	14901.3	10898.9	6558.4	3378.5



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	45779.5	38894.8	32561.5	27607.5	23746.6	20104.2	16582.6	12996.3	8998.2	4680.6	2966.4
-25°	38024.5	32561.5	28125.3	24485.5	21039.1	17729.5	14444.7	10768.6	6795.3	3517.4	2562.8
-27.5°	31485.2	27607.5	24485.5	21353.9	18324.5	15284.0	11973.0	8340.5	4414.6	2991.8	2410.7
-30°	26438.9	23746.6	21039.1	18324.5	15566.3	12582.9	9258.9	5628.7	3339.6	2536.4	2247.7
-32.5°	22311.4	20104.2	17729.5	15284.0	12582.9	9555.9	6242.6	3551.2	2703.7	2351.1	2156.8
-35°	18577.0	16582.6	14444.7	11973.0	9258.9	6242.6	3622.3	2842.0	2414.0	2188.3	2086.5
-37.5°	14901.3	12996.3	10768.6	8340.5	5628.7	3551.2	2842.0	2435.0	2204.1	2109.7	1949.8
-40°	10898.9	8998.2	6795.3	4414.6	3339.6	2703.7	2414.0	2204.1	2117.5	1984.0	1777.7
-42.5°	6558.4	4680.6	3517.4	2991.8	2536.4	2351.1	2188.3	2109.7	1984.0	1794.6	1576.9
-45°	3378.5	2966.4	2562.8	2410.7	2247.7	2156.8	2086.5	1949.8	1777.7	1576.9	1363.0
-47.5°	2495.5	2377.0	2246.8	2168.8	2110.4	2029.2	1882.0	1725.6	1538.5	1346.3	1169.0
-50°	2188.6	2146.5	2100.1	2032.5	1911.1	1781.7	1629.6	1462.4	1296.6	1136.2	978.3
-52.5°	2049.6	1962.7	1867.0	1762.7	1636.3	1497.2	1351.3	1214.5	1071.0	936.4	802.2
-55°	1754.0	1663.8	1561.8	1450.5	1334.4	1221.3	1101.2	982.2	867.3	747.2	644.7
-57.5°	1411.8	1331.5	1249.2	1159.3	1062.3	968.3	872.7	771.8	680.1	589.2	497.9
-60°	1101.2	1033.3	968.3	897.4	820.8	739.8	668.2	592.4	512.7	445.4	375.6
-62.5°	827.3	774.2	720.8	668.2	611.2	550.1	490.0	434.7	376.4	317.3	270.5
-65°	595.1	556.0	512.7	474.3	433.1	388.9	341.7	300.0	261.3	220.7	181.3
-67.5°	403.6	375.6	344.7	313.9	287.0	258.0	227.0	194.2	171.5	152.4	132.4
-70°	253.4	235.4	215.4	193.5	176.8	163.3	148.9	133.7	117.6	104.2	92.0
-72.5°	153.1	144.9	135.7	125.7	114.9	105.9	97.3	88.1	78.5	68.3	59.6
-75°	93.6	88.8	83.4	77.5	71.2	64.3	59.2	54.9	50.3	45.5	40.5
-77.5°	53.7	51.4	49.0	46.3	43.4	40.2	36.8	34.0	32.3	30.5	28.7
-80°	31.6	30.8	29.9	29.0	28.0	26.9	25.7	24.4	23.1	21.9	20.9
-82.5°	20.8	20.4	20.0	19.5	18.9	18.3	17.7	17.0	16.3	15.6	14.8
-85°	13.0	12.7	12.5	12.2	11.9	11.6	11.3	10.9	10.6	10.2	9.8
-87.5°	6.5	6.4	6.3	6.1	6.0	5.8	5.7	5.5	5.3	5.1	4.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	4.4	4.2	4.0	3.7	3.4	3.2	2.9	2.6	2.4	2.1
85°	9.3	8.9	8.4	7.9	7.4	6.9	6.4	5.8	5.3	4.7	4.1
82.5°	14.0	13.3	12.6	11.9	11.1	10.3	9.5	8.7	7.9	7.1	6.2
80°	19.8	18.6	17.5	16.3	15.0	13.7	12.7	11.6	10.5	9.4	8.3
77.5°	26.8	24.8	22.7	21.1	19.6	18.0	16.3	14.7	13.1	11.7	10.3
75°	35.3	32.5	30.0	27.4	24.8	22.2	20.2	18.2	16.2	14.1	12.3
72.5°	53.5	47.1	40.5	34.2	31.1	28.0	24.7	21.7	19.3	16.9	14.4
70°	79.3	66.1	56.8	49.0	41.0	33.8	30.1	26.3	22.5	19.7	16.9
67.5°	111.8	96.9	81.5	65.7	55.1	45.9	36.5	31.1	26.9	22.5	19.3
65°	158.2	134.2	110.3	92.7	74.6	58.8	48.3	37.7	31.1	26.3	21.7
62.5°	222.0	177.8	150.5	122.5	99.4	79.1	60.0	48.3	36.5	30.1	24.7
60°	308.4	253.4	196.8	160.4	129.0	101.7	79.1	58.8	45.9	33.8	28.0
57.5°	419.2	338.0	272.5	209.4	163.7	129.0	99.4	74.6	55.1	41.0	31.1
55°	538.8	445.6	355.5	278.9	209.4	160.4	122.5	92.7	65.7	49.0	34.2
52.5°	678.2	561.0	454.4	355.5	272.5	196.8	150.5	110.3	81.5	56.8	40.5
50°	829.9	689.4	561.0	445.6	338.0	253.4	177.8	134.2	96.9	66.1	47.1
47.5°	992.3	829.9	678.2	538.8	419.2	308.4	222.0	158.2	111.8	79.3	53.5
45°	1169.0	978.3	802.2	644.7	497.9	375.6	270.5	181.3	132.4	92.0	59.6
42.5°	1346.3	1136.2	936.4	747.2	589.2	445.4	317.3	220.7	152.4	104.2	68.3
40°	1538.5	1296.6	1071.0	867.3	680.1	512.7	376.4	261.3	171.5	117.6	78.5
37.5°	1725.6	1462.4	1214.5	982.2	771.8	592.4	434.7	300.0	194.2	133.7	88.1
35°	1882.0	1629.6	1351.3	1101.2	872.7	668.2	490.0	341.7	227.0	148.9	97.3
32.5°	2029.2	1781.7	1497.2	1221.3	968.3	739.8	550.1	388.9	258.0	163.3	105.9
30°	2110.4	1911.1	1636.3	1334.4	1062.3	820.8	611.2	433.1	287.0	176.8	114.9
27.5°	2168.8	2032.5	1762.7	1450.5	1159.3	897.4	668.2	474.3	313.9	193.5	125.7
25°	2246.8	2100.1	1867.0	1561.8	1249.2	968.3	720.8	512.7	344.7	215.4	135.7
22.5°	2377.0	2146.5	1962.7	1663.8	1331.5	1033.3	774.2	556.0	375.6	235.4	144.9
20°	2495.5	2188.6	2049.6	1754.0	1411.8	1101.2	827.3	595.1	403.6	253.4	153.1
17.5°	2640.1	2255.0	2092.0	1825.2	1487.3	1161.6	874.5	629.8	428.4	269.5	160.4
15°	2940.4	2340.9	2122.4	1887.6	1553.3	1214.5	915.8	660.2	450.0	283.5	166.8
12.5°	3197.7	2414.5	2148.4	1940.8	1609.6	1259.5	951.0	686.0	468.5	295.4	172.2
10°	3410.5	2475.2	2169.9	1984.7	1655.9	1296.6	979.9	707.3	483.6	305.1	176.6
7.5°	3577.5	2522.8	2186.7	2019.1	1692.2	1325.5	1002.5	723.9	495.4	312.8	180.1
5°	3697.5	2557.0	2198.7	2043.7	1718.2	1346.3	1018.7	735.8	503.9	318.2	182.6
2.5°	3769.8	2577.6	2206.0	2058.5	1733.9	1358.8	1028.4	742.9	509.0	321.5	184.1
0°	3794.0	2584.5	2208.4	2063.5	1739.1	1363.0	1031.7	745.3	510.7	322.6	184.6
-2.5°	3769.8	2577.6	2206.0	2058.5	1733.9	1358.8	1028.4	742.9	509.0	321.5	184.1
-5°	3697.5	2557.0	2198.7	2043.7	1718.2	1346.3	1018.7	735.8	503.9	318.2	182.6
-7.5°	3577.5	2522.8	2186.7	2019.1	1692.2	1325.5	1002.5	723.9	495.4	312.8	180.1
-10°	3410.5	2475.2	2169.9	1984.7	1655.9	1296.6	979.9	707.3	483.6	305.1	176.6
-12.5°	3197.7	2414.5	2148.4	1940.8	1609.6	1259.5	951.0	686.0	468.5	295.4	172.2
-15°	2940.4	2340.9	2122.4	1887.6	1553.3	1214.5	915.8	660.2	450.0	283.5	166.8
-17.5°	2640.1	2255.0	2092.0	1825.2	1487.3	1161.6	874.5	629.8	428.4	269.5	160.4
-20°	2495.5	2188.6	2049.6	1754.0	1411.8	1101.2	827.3	595.1	403.6	253.4	153.1



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2377.0	2146.5	1962.7	1663.8	1331.5	1033.3	774.2	556.0	375.6	235.4	144.9
-25°	2246.8	2100.1	1867.0	1561.8	1249.2	968.3	720.8	512.7	344.7	215.4	135.7
-27.5°	2168.8	2032.5	1762.7	1450.5	1159.3	897.4	668.2	474.3	313.9	193.5	125.7
-30°	2110.4	1911.1	1636.3	1334.4	1062.3	820.8	611.2	433.1	287.0	176.8	114.9
-32.5°	2029.2	1781.7	1497.2	1221.3	968.3	739.8	550.1	388.9	258.0	163.3	105.9
-35°	1882.0	1629.6	1351.3	1101.2	872.7	668.2	490.0	341.7	227.0	148.9	97.3
-37.5°	1725.6	1462.4	1214.5	982.2	771.8	592.4	434.7	300.0	194.2	133.7	88.1
-40°	1538.5	1296.6	1071.0	867.3	680.1	512.7	376.4	261.3	171.5	117.6	78.5
-42.5°	1346.3	1136.2	936.4	747.2	589.2	445.4	317.3	220.7	152.4	104.2	68.3
-45°	1169.0	978.3	802.2	644.7	497.9	375.6	270.5	181.3	132.4	92.0	59.6
-47.5°	992.3	829.9	678.2	538.8	419.2	308.4	222.0	158.2	111.8	79.3	53.5
-50°	829.9	689.4	561.0	445.6	338.0	253.4	177.8	134.2	96.9	66.1	47.1
-52.5°	678.2	561.0	454.4	355.5	272.5	196.8	150.5	110.3	81.5	56.8	40.5
-55°	538.8	445.6	355.5	278.9	209.4	160.4	122.5	92.7	65.7	49.0	34.2
-57.5°	419.2	338.0	272.5	209.4	163.7	129.0	99.4	74.6	55.1	41.0	31.1
-60°	308.4	253.4	196.8	160.4	129.0	101.7	79.1	58.8	45.9	33.8	28.0
-62.5°	222.0	177.8	150.5	122.5	99.4	79.1	60.0	48.3	36.5	30.1	24.7
-65°	158.2	134.2	110.3	92.7	74.6	58.8	48.3	37.7	31.1	26.3	21.7
-67.5°	111.8	96.9	81.5	65.7	55.1	45.9	36.5	31.1	26.9	22.5	19.3
-70°	79.3	66.1	56.8	49.0	41.0	33.8	30.1	26.3	22.5	19.7	16.9
-72.5°	53.5	47.1	40.5	34.2	31.1	28.0	24.7	21.7	19.3	16.9	14.4
-75°	35.3	32.5	30.0	27.4	24.8	22.2	20.2	18.2	16.2	14.1	12.3
-77.5°	26.8	24.8	22.7	21.1	19.6	18.0	16.3	14.7	13.1	11.7	10.3
-80°	19.8	18.6	17.5	16.3	15.0	13.7	12.7	11.6	10.5	9.4	8.3
-82.5°	14.0	13.3	12.6	11.9	11.1	10.3	9.5	8.7	7.9	7.1	6.2
-85°	9.3	8.9	8.4	7.9	7.4	6.9	6.4	5.8	5.3	4.7	4.1
-87.5°	4.7	4.4	4.2	4.0	3.7	3.4	3.2	2.9	2.6	2.4	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
82.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
80°	7.1	5.9	4.8	3.6	2.4	1.2	0.0
77.5°	8.9	7.4	5.9	4.5	3.0	1.5	0.0
75°	10.6	8.9	7.1	5.3	3.6	1.8	0.0
72.5°	12.3	10.3	8.3	6.2	4.1	2.1	0.0
70°	14.1	11.7	9.4	7.1	4.7	2.4	0.0
67.5°	16.2	13.1	10.5	7.9	5.3	2.6	0.0
65°	18.2	14.7	11.6	8.7	5.8	2.9	0.0
62.5°	20.2	16.3	12.7	9.5	6.4	3.2	0.0
60°	22.2	18.0	13.7	10.3	6.9	3.4	0.0
57.5°	24.8	19.6	15.0	11.1	7.4	3.7	0.0
55°	27.4	21.1	16.3	11.9	7.9	4.0	0.0
52.5°	30.0	22.7	17.5	12.6	8.4	4.2	0.0
50°	32.5	24.8	18.6	13.3	8.9	4.4	0.0
47.5°	35.3	26.8	19.8	14.0	9.3	4.7	0.0
45°	40.5	28.7	20.9	14.8	9.8	4.9	0.0
42.5°	45.5	30.5	21.9	15.6	10.2	5.1	0.0
40°	50.3	32.3	23.1	16.3	10.6	5.3	0.0
37.5°	54.9	34.0	24.4	17.0	10.9	5.5	0.0
35°	59.2	36.8	25.7	17.7	11.3	5.7	0.0
32.5°	64.3	40.2	26.9	18.3	11.6	5.8	0.0
30°	71.2	43.4	28.0	18.9	11.9	6.0	0.0
27.5°	77.5	46.3	29.0	19.5	12.2	6.1	0.0
25°	83.4	49.0	29.9	20.0	12.5	6.3	0.0
22.5°	88.8	51.4	30.8	20.4	12.7	6.4	0.0
20°	93.6	53.7	31.6	20.8	13.0	6.5	0.0
17.5°	97.9	55.6	32.2	21.2	13.2	6.6	0.0
15°	101.7	57.3	32.8	21.5	13.3	6.7	0.0
12.5°	104.8	58.8	33.3	21.8	13.5	6.7	0.0
10°	107.4	60.0	33.8	22.0	13.6	6.8	0.0
7.5°	109.5	60.9	34.1	22.2	13.7	6.8	0.0
5°	110.9	61.6	34.3	22.3	13.7	6.9	0.0
2.5°	111.8	62.0	34.5	22.4	13.8	6.9	0.0
0°	112.1	62.1	34.5	22.4	13.8	6.9	0.0
-2.5°	111.8	62.0	34.5	22.4	13.8	6.9	0.0
-5°	110.9	61.6	34.3	22.3	13.7	6.9	0.0
-7.5°	109.5	60.9	34.1	22.2	13.7	6.8	0.0
-10°	107.4	60.0	33.8	22.0	13.6	6.8	0.0
-12.5°	104.8	58.8	33.3	21.8	13.5	6.7	0.0
-15°	101.7	57.3	32.8	21.5	13.3	6.7	0.0
-17.5°	97.9	55.6	32.2	21.2	13.2	6.6	0.0
-20°	93.6	53.7	31.6	20.8	13.0	6.5	0.0



REPORT NUMBER: P731304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	88.8	51.4	30.8	20.4	12.7	6.4	0.0
-25°	83.4	49.0	29.9	20.0	12.5	6.3	0.0
-27.5°	77.5	46.3	29.0	19.5	12.2	6.1	0.0
-30°	71.2	43.4	28.0	18.9	11.9	6.0	0.0
-32.5°	64.3	40.2	26.9	18.3	11.6	5.8	0.0
-35°	59.2	36.8	25.7	17.7	11.3	5.7	0.0
-37.5°	54.9	34.0	24.4	17.0	10.9	5.5	0.0
-40°	50.3	32.3	23.1	16.3	10.6	5.3	0.0
-42.5°	45.5	30.5	21.9	15.6	10.2	5.1	0.0
-45°	40.5	28.7	20.9	14.8	9.8	4.9	0.0
-47.5°	35.3	26.8	19.8	14.0	9.3	4.7	0.0
-50°	32.5	24.8	18.6	13.3	8.9	4.4	0.0
-52.5°	30.0	22.7	17.5	12.6	8.4	4.2	0.0
-55°	27.4	21.1	16.3	11.9	7.9	4.0	0.0
-57.5°	24.8	19.6	15.0	11.1	7.4	3.7	0.0
-60°	22.2	18.0	13.7	10.3	6.9	3.4	0.0
-62.5°	20.2	16.3	12.7	9.5	6.4	3.2	0.0
-65°	18.2	14.7	11.6	8.7	5.8	2.9	0.0
-67.5°	16.2	13.1	10.5	7.9	5.3	2.6	0.0
-70°	14.1	11.7	9.4	7.1	4.7	2.4	0.0
-72.5°	12.3	10.3	8.3	6.2	4.1	2.1	0.0
-75°	10.6	8.9	7.1	5.3	3.6	1.8	0.0
-77.5°	8.9	7.4	5.9	4.5	3.0	1.5	0.0
-80°	7.1	5.9	4.8	3.6	2.4	1.2	0.0
-82.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
-85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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

