

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: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-80-5S-HEG-A**

Issue Date: 2/3/2026

Test Information

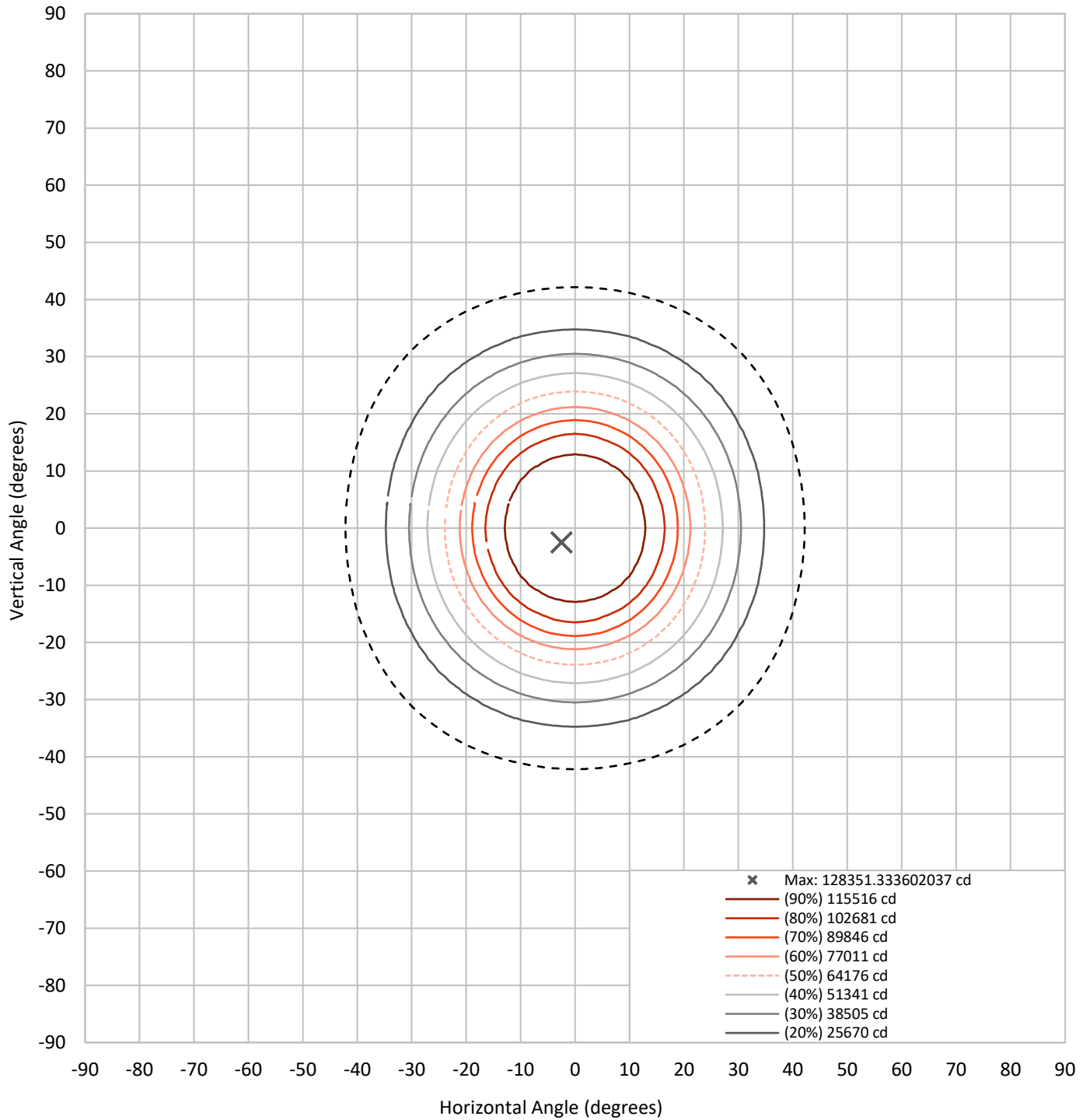
Test Method: LM-79-08
Report Number: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-640L-57-80-5S-HEG-A
Description: EPHESUS LUMASPORT 8 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:	93817.1 lumens	Max Intensity:	128351.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	144.8 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:	52631.3 lumens	Field Lumens:	87414.3 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%
Input Watts (W):	648		
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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Iso-Candela Plot





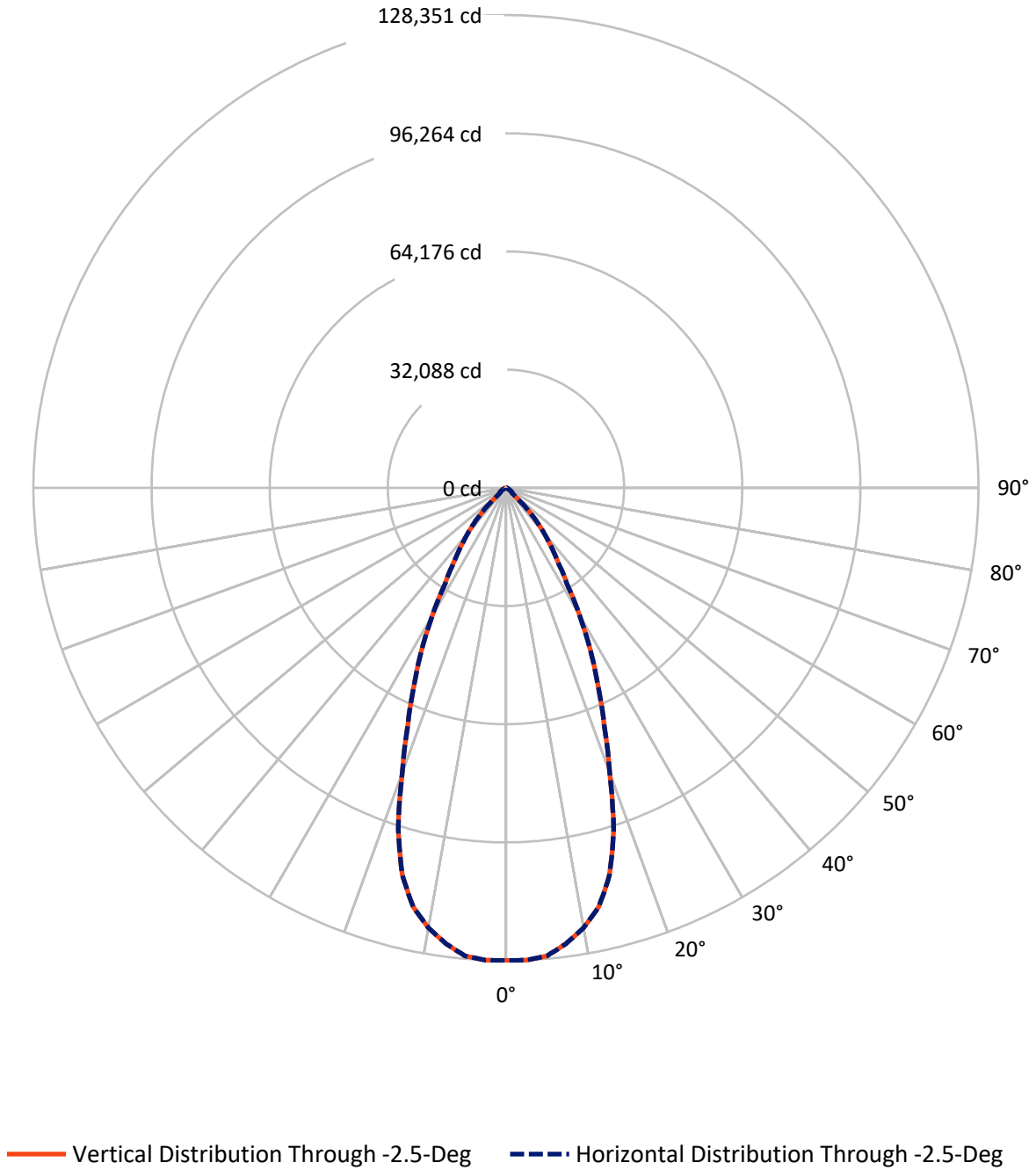
REPORT NUMBER: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.1	0.9	3.0	6.3	8.1	6.3	3.0	0.9	0.1							
80	0.1	0.9	3.0	6.3	8.1	6.3	3.0	0.9	0.1							
70	0.4	0.5	1.6	4.1	8.3	13.5	18.3	21.0	21.0	18.3	13.5	8.3	4.1	1.6	0.5	0.4
60		1.2	4.7	12.9	25.2	38.5	48.6	53.9	53.9	48.6	38.5	25.2	12.9	4.7	1.2	
50	1.0	2.5	10.6	26.8	46.3	83.5	170.0	239.4	239.4	170.0	83.5	46.3	26.8	10.6	2.5	1.0
40		4.4	17.9	40.1	116.5	352.5	595.1	762.5	762.5	595.1	352.5	116.5	40.1	17.9	4.4	
30	1.8	6.6	24.7	65.9	320.3	728.6	1304.0	1750.2	1750.2	1304.0	728.6	320.3	65.9	24.7	6.6	1.8
20		8.3	29.2	127.5	507.9	1227.2	2280.4	3106.9	3106.9	2280.4	1227.2	507.9	127.5	29.2	8.3	
10	2.2	9.3	31.4	174.2	632.1	1599.0	3016.4	3765.2	3765.2	3016.4	1599.0	632.1	174.2	31.4	9.3	2.2
0		9.3	31.4	174.2	632.1	1599.0	3016.4	3765.2	3765.2	3016.4	1599.0	632.1	174.2	31.4	9.3	
-10	1.8	8.3	29.2	127.5	507.9	1227.2	2280.4	3106.9	3106.9	2280.4	1227.2	507.9	127.5	29.2	8.3	1.8
-20		6.6	24.7	65.9	320.3	728.6	1304.0	1750.2	1750.2	1304.0	728.6	320.3	65.9	24.7	6.6	
-30	1.0	4.4	17.9	40.1	116.5	352.5	595.1	762.5	762.5	595.1	352.5	116.5	40.1	17.9	4.4	1.0
-40		2.5	10.6	26.8	46.3	83.5	170.0	239.4	239.4	170.0	83.5	46.3	26.8	10.6	2.5	
-50	0.4	1.2	4.7	12.9	25.2	38.5	48.6	53.9	53.9	48.6	38.5	25.2	12.9	4.7	1.2	0.4
-60		0.5	1.6	4.1	8.3	13.5	18.3	21.0	21.0	18.3	13.5	8.3	4.1	1.6	0.5	
-70	0.1	0.9	3.0	6.3	8.1	6.3	3.0	0.9	0.1							
-80		0.1	0.9	3.0	6.3	8.1	6.3	3.0	0.9	0.1						
-90	0.1	0.9	3.0	6.3	8.1	6.3	3.0	0.9	0.1							

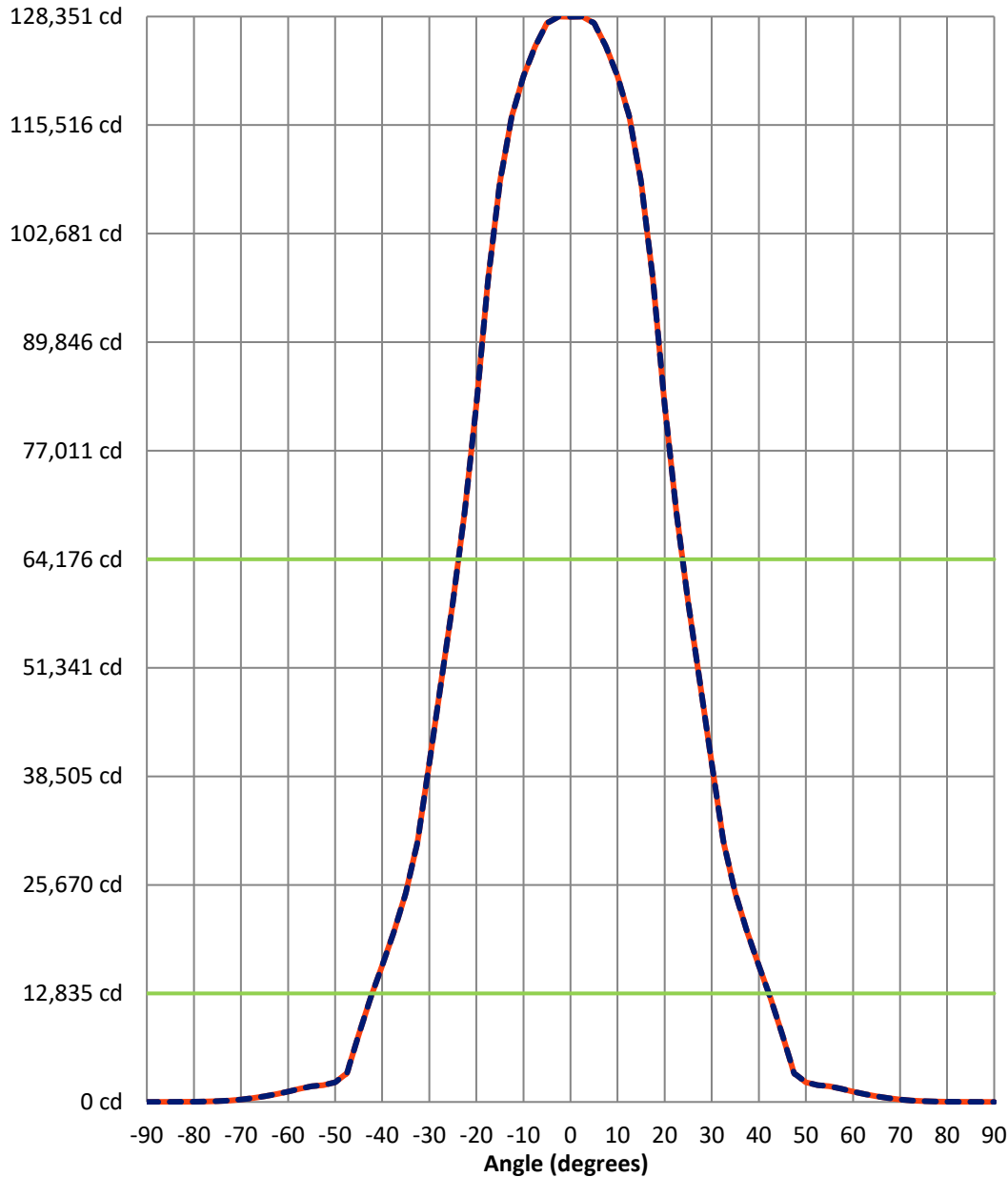
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 47.6°
V Angle: 47.6°
Lumens: 52631.3
Efficiency: 56.1%

Field:
H Angle: 84.3°
V Angle: 84.3°
Lumens: 87414.3
Efficiency: 93.2%

Spill:
Lumens: 6402.9
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	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	7.1	7.9
80°	0.0	1.1	2.2	3.2	4.3	5.3	6.4	7.4	8.5	9.5	10.5
77.5°	0.0	1.3	2.7	4.0	5.3	6.7	8.0	9.3	10.6	11.9	13.3
75°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.1	12.7	14.6	16.5
72.5°	0.0	1.9	3.7	5.6	7.4	9.3	11.1	13.1	15.3	17.5	19.7
70°	0.0	2.1	4.2	6.3	8.5	10.6	12.7	15.3	17.9	20.4	23.8
67.5°	0.0	2.4	4.7	7.1	9.5	11.9	14.6	17.5	20.4	24.3	28.2
65°	0.0	2.6	5.2	7.9	10.5	13.3	16.5	19.7	23.8	28.2	34.1
62.5°	0.0	2.9	5.7	8.6	11.5	14.8	18.3	22.4	27.2	33.0	43.7
60°	0.0	3.1	6.2	9.3	12.5	16.3	20.1	25.3	30.5	41.5	53.1
57.5°	0.0	3.3	6.7	10.0	13.6	17.7	22.5	28.1	37.1	49.8	67.4
55°	0.0	3.6	7.1	10.7	14.7	19.1	24.8	30.9	44.3	59.3	83.7
52.5°	0.0	3.8	7.6	11.4	15.8	20.6	27.1	36.7	51.3	73.7	99.6
50°	0.0	4.0	8.0	12.0	16.9	22.5	29.4	42.6	59.7	87.6	121.3
47.5°	0.0	4.2	8.4	12.7	17.9	24.3	31.9	48.3	71.6	101.0	142.9
45°	0.0	4.4	8.8	13.4	18.9	26.0	36.6	53.9	83.1	119.6	163.8
42.5°	0.0	4.6	9.2	14.1	19.8	27.6	41.2	61.7	94.2	137.6	199.3
40°	0.0	4.7	9.5	14.8	20.9	29.2	45.5	70.9	106.2	154.8	236.0
37.5°	0.0	4.9	9.9	15.4	22.1	30.7	49.6	79.6	120.8	175.4	270.9
35°	0.0	5.1	10.2	16.1	23.3	33.3	53.5	87.9	134.5	205.0	308.6
32.5°	0.0	5.2	10.5	16.6	24.3	36.4	58.1	95.7	147.5	233.0	351.2
30°	0.0	5.4	10.8	17.2	25.3	39.2	64.3	103.8	159.6	259.1	391.1
27.5°	0.0	5.5	11.1	17.6	26.2	41.8	70.1	113.6	174.7	283.5	428.2
25°	0.0	5.6	11.3	18.1	27.1	44.3	75.4	122.6	194.5	311.2	462.9
22.5°	0.0	5.7	11.5	18.5	27.9	46.5	80.2	130.9	212.6	339.2	502.0
20°	0.0	5.8	11.7	18.9	28.5	48.5	84.6	138.3	228.9	364.4	537.3
17.5°	0.0	5.9	11.9	19.2	29.2	50.3	88.5	144.9	243.3	386.8	568.7
15°	0.0	6.0	12.1	19.5	29.7	51.8	91.9	150.6	256.0	406.3	596.1
12.5°	0.0	6.1	12.2	19.7	30.2	53.1	94.7	155.5	266.7	423.0	619.4
10°	0.0	6.1	12.3	19.9	30.5	54.2	97.1	159.5	275.5	436.6	638.6
7.5°	0.0	6.1	12.4	20.1	30.8	55.0	98.9	162.7	282.4	447.3	653.6
5°	0.0	6.2	12.5	20.2	31.0	55.6	100.2	164.9	287.3	455.0	664.3
2.5°	0.0	6.2	12.5	20.3	31.2	56.0	101.0	166.3	290.3	459.6	670.7
0°	0.0	6.2	12.5	20.3	31.2	56.1	101.3	166.7	291.3	461.1	672.9
-2.5°	0.0	6.2	12.5	20.3	31.2	56.1	101.3	166.7	291.3	461.1	672.9
-5°	0.0	6.2	12.5	20.2	31.0	55.6	100.2	164.9	287.3	455.0	664.3
-7.5°	0.0	6.1	12.4	20.1	30.8	55.0	98.9	162.7	282.4	447.3	653.6
-10°	0.0	6.1	12.3	19.9	30.5	54.2	97.1	159.5	275.5	436.6	638.6
-12.5°	0.0	6.1	12.2	19.7	30.2	53.1	94.7	155.5	266.7	423.0	619.4
-15°	0.0	6.0	12.1	19.5	29.7	51.8	91.9	150.6	256.0	406.3	596.1
-17.5°	0.0	5.9	11.9	19.2	29.2	50.3	88.5	144.9	243.3	386.8	568.7
-20°	0.0	5.8	11.7	18.9	28.5	48.5	84.6	138.3	228.9	364.4	537.3



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 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.7	11.5	18.5	27.9	46.5	80.2	130.9	212.6	339.2	502.0
-25°	0.0	5.6	11.3	18.1	27.1	44.3	75.4	122.6	194.5	311.2	462.9
-27.5°	0.0	5.5	11.1	17.6	26.2	41.8	70.1	113.6	174.7	283.5	428.2
-30°	0.0	5.4	10.8	17.2	25.3	39.2	64.3	103.8	159.6	259.1	391.1
-32.5°	0.0	5.2	10.5	16.6	24.3	36.4	58.1	95.7	147.5	233.0	351.2
-35°	0.0	5.1	10.2	16.1	23.3	33.3	53.5	87.9	134.5	205.0	308.6
-37.5°	0.0	4.9	9.9	15.4	22.1	30.7	49.6	79.6	120.8	175.4	270.9
-40°	0.0	4.7	9.5	14.8	20.9	29.2	45.5	70.9	106.2	154.8	236.0
-42.5°	0.0	4.6	9.2	14.1	19.8	27.6	41.2	61.7	94.2	137.6	199.3
-45°	0.0	4.4	8.8	13.4	18.9	26.0	36.6	53.9	83.1	119.6	163.8
-47.5°	0.0	4.2	8.4	12.7	17.9	24.3	31.9	48.3	71.6	101.0	142.9
-50°	0.0	4.0	8.0	12.0	16.9	22.5	29.4	42.6	59.7	87.6	121.3
-52.5°	0.0	3.8	7.6	11.4	15.8	20.6	27.1	36.7	51.3	73.7	99.6
-55°	0.0	3.6	7.1	10.7	14.7	19.1	24.8	30.9	44.3	59.3	83.7
-57.5°	0.0	3.3	6.7	10.0	13.6	17.7	22.5	28.1	37.1	49.8	67.4
-60°	0.0	3.1	6.2	9.3	12.5	16.3	20.1	25.3	30.5	41.5	53.1
-62.5°	0.0	2.9	5.7	8.6	11.5	14.8	18.3	22.4	27.2	33.0	43.7
-65°	0.0	2.6	5.2	7.9	10.5	13.3	16.5	19.7	23.8	28.2	34.1
-67.5°	0.0	2.4	4.7	7.1	9.5	11.9	14.6	17.5	20.4	24.3	28.2
-70°	0.0	2.1	4.2	6.3	8.5	10.6	12.7	15.3	17.9	20.4	23.8
-72.5°	0.0	1.9	3.7	5.6	7.4	9.3	11.1	13.1	15.3	17.5	19.7
-75°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.1	12.7	14.6	16.5
-77.5°	0.0	1.3	2.7	4.0	5.3	6.7	8.0	9.3	10.6	11.9	13.3
-80°	0.0	1.1	2.2	3.2	4.3	5.3	6.4	7.4	8.5	9.5	10.5
-82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	7.1	7.9
-85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
-87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

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°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
85°	5.7	6.2	6.7	7.1	7.6	8.0	8.4	8.8	9.2	9.5	9.9
82.5°	8.6	9.3	10.0	10.7	11.4	12.0	12.7	13.4	14.1	14.8	15.4
80°	11.5	12.5	13.6	14.7	15.8	16.9	17.9	18.9	19.8	20.9	22.1
77.5°	14.8	16.3	17.7	19.1	20.6	22.5	24.3	26.0	27.6	29.2	30.7
75°	18.3	20.1	22.5	24.8	27.1	29.4	31.9	36.6	41.2	45.5	49.6
72.5°	22.4	25.3	28.1	30.9	36.7	42.6	48.3	53.9	61.7	70.9	79.6
70°	27.2	30.5	37.1	44.3	51.3	59.7	71.6	83.1	94.2	106.2	120.8
67.5°	33.0	41.5	49.8	59.3	73.7	87.6	101.0	119.6	137.6	154.8	175.4
65°	43.7	53.1	67.4	83.7	99.6	121.3	142.9	163.8	199.3	236.0	270.9
62.5°	54.2	71.4	89.8	110.7	136.0	160.6	200.4	244.3	286.5	339.9	392.5
60°	71.4	91.9	116.6	144.9	177.7	228.9	278.5	339.2	402.1	462.9	534.9
57.5°	89.8	116.6	147.9	189.1	246.0	305.2	378.5	449.5	532.0	614.0	696.8
55°	110.7	144.9	189.1	251.8	321.0	402.3	486.4	582.0	674.6	783.0	886.8
52.5°	136.0	177.7	246.0	321.0	410.3	506.5	612.3	724.3	845.5	967.0	1096.5
50°	160.6	228.9	305.2	402.3	506.5	622.4	749.3	883.3	1025.8	1170.6	1320.4
47.5°	200.4	278.5	378.5	486.4	612.3	749.3	896.0	1055.5	1215.5	1389.1	1558.0
45°	244.3	339.2	449.5	582.0	724.3	883.3	1055.5	1230.6	1423.7	1605.1	1760.4
42.5°	286.5	402.1	532.0	674.6	845.5	1025.8	1215.5	1423.7	1620.3	1791.3	1904.8
40°	339.9	462.9	614.0	783.0	967.0	1170.6	1389.1	1605.1	1791.3	1911.8	1990.1
37.5°	392.5	534.9	696.8	886.8	1096.5	1320.4	1558.0	1760.4	1904.8	1990.1	2198.5
35°	442.4	603.3	787.9	994.2	1220.1	1471.3	1699.2	1883.7	1975.7	2179.5	2565.9
32.5°	496.6	668.0	874.2	1102.7	1351.8	1608.6	1832.0	1947.3	2122.7	2441.0	3206.2
30°	551.8	741.1	959.1	1204.8	1477.4	1725.5	1905.3	2029.4	2290.0	3015.1	5081.9
27.5°	603.3	810.2	1046.7	1309.6	1591.5	1835.0	1958.1	2176.5	2701.1	3985.7	7530.2
25°	650.8	874.2	1127.8	1410.1	1685.6	1896.0	2028.6	2313.8	3175.7	6135.1	9722.4
22.5°	699.0	933.0	1202.1	1502.2	1772.1	1937.9	2146.1	2678.2	4225.8	8124.1	11733.6
20°	746.9	994.2	1274.7	1583.6	1850.5	1976.0	2253.1	3050.3	5921.3	9840.1	13453.6
17.5°	789.6	1048.8	1342.8	1647.9	1888.7	2035.9	2383.6	3384.3	7447.1	11388.2	14949.3
15°	826.8	1096.5	1402.4	1704.2	1916.2	2113.5	2654.7	4494.2	8747.1	12715.8	16277.1
12.5°	858.6	1137.2	1453.2	1752.3	1939.7	2179.9	2887.1	5560.1	9833.6	13770.8	17469.5
10°	884.7	1170.6	1495.1	1791.9	1959.1	2234.7	3079.2	6442.8	10734.7	14647.5	18462.4
7.5°	905.1	1196.8	1527.9	1822.9	1974.3	2277.7	3229.9	7136.0	11443.4	15338.0	19246.0
5°	919.8	1215.5	1551.3	1845.1	1985.2	2308.6	3338.3	7634.8	11953.9	15836.0	19812.1
2.5°	928.6	1226.8	1565.5	1858.5	1991.7	2327.2	3403.6	7935.7	12262.0	16136.8	20154.3
0°	931.5	1230.6	1570.2	1863.0	1993.9	2333.4	3425.4	8036.2	12365.0	16237.4	20268.8
-2.5°	928.6	1226.8	1565.5	1858.5	1991.7	2327.2	3403.6	7935.7	12262.0	16136.8	20154.3
-5°	919.8	1215.5	1551.3	1845.1	1985.2	2308.6	3338.3	7634.8	11953.9	15836.0	19812.1
-7.5°	905.1	1196.8	1527.9	1822.9	1974.3	2277.7	3229.9	7136.0	11443.4	15338.0	19246.0
-10°	884.7	1170.6	1495.1	1791.9	1959.1	2234.7	3079.2	6442.8	10734.7	14647.5	18462.4
-12.5°	858.6	1137.2	1453.2	1752.3	1939.7	2179.9	2887.1	5560.1	9833.6	13770.8	17469.5
-15°	826.8	1096.5	1402.4	1704.2	1916.2	2113.5	2654.7	4494.2	8747.1	12715.8	16277.1
-17.5°	789.6	1048.8	1342.8	1647.9	1888.7	2035.9	2383.6	3384.3	7447.1	11388.2	14949.3
-20°	746.9	994.2	1274.7	1583.6	1850.5	1976.0	2253.1	3050.3	5921.3	9840.1	13453.6



REPORT NUMBER: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	699.0	933.0	1202.1	1502.2	1772.1	1937.9	2146.1	2678.2	4225.8	8124.1	11733.6
-25°	650.8	874.2	1127.8	1410.1	1685.6	1896.0	2028.6	2313.8	3175.7	6135.1	9722.4
-27.5°	603.3	810.2	1046.7	1309.6	1591.5	1835.0	1958.1	2176.5	2701.1	3985.7	7530.2
-30°	551.8	741.1	959.1	1204.8	1477.4	1725.5	1905.3	2029.4	2290.0	3015.1	5081.9
-32.5°	496.6	668.0	874.2	1102.7	1351.8	1608.6	1832.0	1947.3	2122.7	2441.0	3206.2
-35°	442.4	603.3	787.9	994.2	1220.1	1471.3	1699.2	1883.7	1975.7	2179.5	2565.9
-37.5°	392.5	534.9	696.8	886.8	1096.5	1320.4	1558.0	1760.4	1904.8	1990.1	2198.5
-40°	339.9	462.9	614.0	783.0	967.0	1170.6	1389.1	1605.1	1791.3	1911.8	1990.1
-42.5°	286.5	402.1	532.0	674.6	845.5	1025.8	1215.5	1423.7	1620.3	1791.3	1904.8
-45°	244.3	339.2	449.5	582.0	724.3	883.3	1055.5	1230.6	1423.7	1605.1	1760.4
-47.5°	200.4	278.5	378.5	486.4	612.3	749.3	896.0	1055.5	1215.5	1389.1	1558.0
-50°	160.6	228.9	305.2	402.3	506.5	622.4	749.3	883.3	1025.8	1170.6	1320.4
-52.5°	136.0	177.7	246.0	321.0	410.3	506.5	612.3	724.3	845.5	967.0	1096.5
-55°	110.7	144.9	189.1	251.8	321.0	402.3	486.4	582.0	674.6	783.0	886.8
-57.5°	89.8	116.6	147.9	189.1	246.0	305.2	378.5	449.5	532.0	614.0	696.8
-60°	71.4	91.9	116.6	144.9	177.7	228.9	278.5	339.2	402.1	462.9	534.9
-62.5°	54.2	71.4	89.8	110.7	136.0	160.6	200.4	244.3	286.5	339.9	392.5
-65°	43.7	53.1	67.4	83.7	99.6	121.3	142.9	163.8	199.3	236.0	270.9
-67.5°	33.0	41.5	49.8	59.3	73.7	87.6	101.0	119.6	137.6	154.8	175.4
-70°	27.2	30.5	37.1	44.3	51.3	59.7	71.6	83.1	94.2	106.2	120.8
-72.5°	22.4	25.3	28.1	30.9	36.7	42.6	48.3	53.9	61.7	70.9	79.6
-75°	18.3	20.1	22.5	24.8	27.1	29.4	31.9	36.6	41.2	45.5	49.6
-77.5°	14.8	16.3	17.7	19.1	20.6	22.5	24.3	26.0	27.6	29.2	30.7
-80°	11.5	12.5	13.6	14.7	15.8	16.9	17.9	18.9	19.8	20.9	22.1
-82.5°	8.6	9.3	10.0	10.7	11.4	12.0	12.7	13.4	14.1	14.8	15.4
-85°	5.7	6.2	6.7	7.1	7.6	8.0	8.4	8.8	9.2	9.5	9.9
-87.5°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	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: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

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°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
85°	10.2	10.5	10.8	11.1	11.3	11.5	11.7	11.9	12.1	12.2	12.3
82.5°	16.1	16.6	17.2	17.6	18.1	18.5	18.9	19.2	19.5	19.7	19.9
80°	23.3	24.3	25.3	26.2	27.1	27.9	28.5	29.2	29.7	30.2	30.5
77.5°	33.3	36.4	39.2	41.8	44.3	46.5	48.5	50.3	51.8	53.1	54.2
75°	53.5	58.1	64.3	70.1	75.4	80.2	84.6	88.5	91.9	94.7	97.1
72.5°	87.9	95.7	103.8	113.6	122.6	130.9	138.3	144.9	150.6	155.5	159.5
70°	134.5	147.5	159.6	174.7	194.5	212.6	228.9	243.3	256.0	266.7	275.5
67.5°	205.0	233.0	259.1	283.5	311.2	339.2	364.4	386.8	406.3	423.0	436.6
65°	308.6	351.2	391.1	428.2	462.9	502.0	537.3	568.7	596.1	619.4	638.6
62.5°	442.4	496.6	551.8	603.3	650.8	699.0	746.9	789.6	826.8	858.6	884.7
60°	603.3	668.0	741.1	810.2	874.2	933.0	994.2	1048.8	1096.5	1137.2	1170.6
57.5°	787.9	874.2	959.1	1046.7	1127.8	1202.1	1274.7	1342.8	1402.4	1453.2	1495.1
55°	994.2	1102.7	1204.8	1309.6	1410.1	1502.2	1583.6	1647.9	1704.2	1752.3	1791.9
52.5°	1220.1	1351.8	1477.4	1591.5	1685.6	1772.1	1850.5	1888.7	1916.2	1939.7	1959.1
50°	1471.3	1608.6	1725.5	1835.0	1896.0	1937.9	1976.0	2035.9	2113.5	2179.9	2234.7
47.5°	1699.2	1832.0	1905.3	1958.1	2028.6	2146.1	2253.1	2383.6	2654.7	2887.1	3079.2
45°	1883.7	1947.3	2029.4	2176.5	2313.8	2678.2	3050.3	3384.3	4494.2	5560.1	6442.8
42.5°	1975.7	2122.7	2290.0	2701.1	3175.7	4225.8	5921.3	7447.1	8747.1	9833.6	10734.7
40°	2179.5	2441.0	3015.1	3985.7	6135.1	8124.1	9840.1	11388.2	12715.8	13770.8	14647.5
37.5°	2565.9	3206.2	5081.9	7530.2	9722.4	11733.6	13453.6	14949.3	16277.1	17469.5	18462.4
35°	3270.4	5636.2	8359.4	10809.8	13041.3	14971.4	16772.0	18453.3	19948.8	21375.2	22602.1
32.5°	5636.2	8627.6	11360.4	13799.1	16006.9	18151.0	20143.8	22186.3	24024.7	25888.1	27681.9
30°	8359.4	11360.4	14054.0	16544.1	18995.0	21439.5	23870.2	26519.8	29191.8	31820.1	34832.6
27.5°	10809.8	13799.1	16544.1	19279.3	22106.6	24925.3	28426.2	32006.2	36462.1	40370.6	43735.7
25°	13041.3	16006.9	18995.0	22106.6	25392.8	29397.9	34330.2	39671.7	44593.2	48948.3	52627.6
22.5°	14971.4	18151.0	21439.5	24925.3	29397.9	35115.9	41331.7	47212.3	52560.0	57293.9	61589.6
20°	16772.0	20143.8	23870.2	28426.2	34330.2	41331.7	48100.6	54413.6	60304.9	66192.7	71477.0
17.5°	18453.3	22186.3	26519.8	32006.2	39671.7	47212.3	54413.6	61430.3	68579.2	76011.1	82801.2
15°	19948.8	24024.7	29191.8	36462.1	44593.2	52560.0	60304.9	68579.2	77566.3	86631.2	95520.4
12.5°	21375.2	25888.1	31820.1	40370.6	48948.3	57293.9	66192.7	76011.1	86631.2	97679.4	105317.6
10°	22602.1	27681.9	34832.6	43735.7	52627.6	61589.6	71477.0	82801.2	95520.4	105317.6	112664.0
7.5°	23572.5	29104.7	37230.1	46425.5	55577.1	65301.0	76453.1	89294.1	101808.6	111183.8	117121.9
5°	24274.8	30136.5	38973.6	48388.3	57739.0	68037.2	80150.0	94220.4	106064.3	114596.1	119826.5
2.5°	24699.9	30762.1	40032.7	49583.6	59059.7	69715.8	82431.3	97285.2	108743.8	116486.5	121279.2
0°	24842.2	30971.7	40388.0	49985.0	59504.0	70281.8	83202.9	98326.5	109660.4	117067.2	121776.1
-2.5°	24699.9	30762.1	40032.7	49583.6	59059.7	69715.8	82431.3	97285.2	108743.8	116486.5	121279.2
-5°	24274.8	30136.5	38973.6	48388.3	57739.0	68037.2	80150.0	94220.4	106064.3	114596.1	119826.5
-7.5°	23572.5	29104.7	37230.1	46425.5	55577.1	65301.0	76453.1	89294.1	101808.6	111183.8	117121.9
-10°	22602.1	27681.9	34832.6	43735.7	52627.6	61589.6	71477.0	82801.2	95520.4	105317.6	112664.0
-12.5°	21375.2	25888.1	31820.1	40370.6	48948.3	57293.9	66192.7	76011.1	86631.2	97679.4	105317.6
-15°	19948.8	24024.7	29191.8	36462.1	44593.2	52560.0	60304.9	68579.2	77566.3	86631.2	95520.4
-17.5°	18453.3	22186.3	26519.8	32006.2	39671.7	47212.3	54413.6	61430.3	68579.2	76011.1	82801.2
-20°	16772.0	20143.8	23870.2	28426.2	34330.2	41331.7	48100.6	54413.6	60304.9	66192.7	71477.0



REPORT NUMBER: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14971.4	18151.0	21439.5	24925.3	29397.9	35115.9	41331.7	47212.3	52560.0	57293.9	61589.6
-25°	13041.3	16006.9	18995.0	22106.6	25392.8	29397.9	34330.2	39671.7	44593.2	48948.3	52627.6
-27.5°	10809.8	13799.1	16544.1	19279.3	22106.6	24925.3	28426.2	32006.2	36462.1	40370.6	43735.7
-30°	8359.4	11360.4	14054.0	16544.1	18995.0	21439.5	23870.2	26519.8	29191.8	31820.1	34832.6
-32.5°	5636.2	8627.6	11360.4	13799.1	16006.9	18151.0	20143.8	22186.3	24024.7	25888.1	27681.9
-35°	3270.4	5636.2	8359.4	10809.8	13041.3	14971.4	16772.0	18453.3	19948.8	21375.2	22602.1
-37.5°	2565.9	3206.2	5081.9	7530.2	9722.4	11733.6	13453.6	14949.3	16277.1	17469.5	18462.4
-40°	2179.5	2441.0	3015.1	3985.7	6135.1	8124.1	9840.1	11388.2	12715.8	13770.8	14647.5
-42.5°	1975.7	2122.7	2290.0	2701.1	3175.7	4225.8	5921.3	7447.1	8747.1	9833.6	10734.7
-45°	1883.7	1947.3	2029.4	2176.5	2313.8	2678.2	3050.3	3384.3	4494.2	5560.1	6442.8
-47.5°	1699.2	1832.0	1905.3	1958.1	2028.6	2146.1	2253.1	2383.6	2654.7	2887.1	3079.2
-50°	1471.3	1608.6	1725.5	1835.0	1896.0	1937.9	1976.0	2035.9	2113.5	2179.9	2234.7
-52.5°	1220.1	1351.8	1477.4	1591.5	1685.6	1772.1	1850.5	1888.7	1916.2	1939.7	1959.1
-55°	994.2	1102.7	1204.8	1309.6	1410.1	1502.2	1583.6	1647.9	1704.2	1752.3	1791.9
-57.5°	787.9	874.2	959.1	1046.7	1127.8	1202.1	1274.7	1342.8	1402.4	1453.2	1495.1
-60°	603.3	668.0	741.1	810.2	874.2	933.0	994.2	1048.8	1096.5	1137.2	1170.6
-62.5°	442.4	496.6	551.8	603.3	650.8	699.0	746.9	789.6	826.8	858.6	884.7
-65°	308.6	351.2	391.1	428.2	462.9	502.0	537.3	568.7	596.1	619.4	638.6
-67.5°	205.0	233.0	259.1	283.5	311.2	339.2	364.4	386.8	406.3	423.0	436.6
-70°	134.5	147.5	159.6	174.7	194.5	212.6	228.9	243.3	256.0	266.7	275.5
-72.5°	87.9	95.7	103.8	113.6	122.6	130.9	138.3	144.9	150.6	155.5	159.5
-75°	53.5	58.1	64.3	70.1	75.4	80.2	84.6	88.5	91.9	94.7	97.1
-77.5°	33.3	36.4	39.2	41.8	44.3	46.5	48.5	50.3	51.8	53.1	54.2
-80°	23.3	24.3	25.3	26.2	27.1	27.9	28.5	29.2	29.7	30.2	30.5
-82.5°	16.1	16.6	17.2	17.6	18.1	18.5	18.9	19.2	19.5	19.7	19.9
-85°	10.2	10.5	10.8	11.1	11.3	11.5	11.7	11.9	12.1	12.2	12.3
-87.5°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
-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: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

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°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
85°	12.4	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.2	12.1	11.9
82.5°	20.1	20.2	20.3	20.3	20.3	20.2	20.1	19.9	19.7	19.5	19.2
80°	30.8	31.0	31.2	31.2	31.2	31.0	30.8	30.5	30.2	29.7	29.2
77.5°	55.0	55.6	56.0	56.1	56.0	55.6	55.0	54.2	53.1	51.8	50.3
75°	98.9	100.2	101.0	101.3	101.0	100.2	98.9	97.1	94.7	91.9	88.5
72.5°	162.7	164.9	166.3	166.7	166.3	164.9	162.7	159.5	155.5	150.6	144.9
70°	282.4	287.3	290.3	291.3	290.3	287.3	282.4	275.5	266.7	256.0	243.3
67.5°	447.3	455.0	459.6	461.1	459.6	455.0	447.3	436.6	423.0	406.3	386.8
65°	653.6	664.3	670.7	672.9	670.7	664.3	653.6	638.6	619.4	596.1	568.7
62.5°	905.1	919.8	928.6	931.5	928.6	919.8	905.1	884.7	858.6	826.8	789.6
60°	1196.8	1215.5	1226.8	1230.6	1226.8	1215.5	1196.8	1170.6	1137.2	1096.5	1048.8
57.5°	1527.9	1551.3	1565.5	1570.2	1565.5	1551.3	1527.9	1495.1	1453.2	1402.4	1342.8
55°	1822.9	1845.1	1858.5	1863.0	1858.5	1845.1	1822.9	1791.9	1752.3	1704.2	1647.9
52.5°	1974.3	1985.2	1991.7	1993.9	1991.7	1985.2	1974.3	1959.1	1939.7	1916.2	1888.7
50°	2277.7	2308.6	2327.2	2333.4	2327.2	2308.6	2277.7	2234.7	2179.9	2113.5	2035.9
47.5°	3229.9	3338.3	3403.6	3425.4	3403.6	3338.3	3229.9	3079.2	2887.1	2654.7	2383.6
45°	7136.0	7634.8	7935.7	8036.2	7935.7	7634.8	7136.0	6442.8	5560.1	4494.2	3384.3
42.5°	11443.4	11953.9	12262.0	12365.0	12262.0	11953.9	11443.4	10734.7	9833.6	8747.1	7447.1
40°	15338.0	15836.0	16136.8	16237.4	16136.8	15836.0	15338.0	14647.5	13770.8	12715.8	11388.2
37.5°	19246.0	19812.1	20154.3	20268.8	20154.3	19812.1	19246.0	18462.4	17469.5	16277.1	14949.3
35°	23572.5	24274.8	24699.9	24842.2	24699.9	24274.8	23572.5	22602.1	21375.2	19948.8	18453.3
32.5°	29104.7	30136.5	30762.1	30971.7	30762.1	30136.5	29104.7	27681.9	25888.1	24024.7	22186.3
30°	37230.1	38973.6	40032.7	40388.0	40032.7	38973.6	37230.1	34832.6	31820.1	29191.8	26519.8
27.5°	46425.5	48388.3	49583.6	49985.0	49583.6	48388.3	46425.5	43735.7	40370.6	36462.1	32006.2
25°	55577.1	57739.0	59059.7	59504.0	59059.7	57739.0	55577.1	52627.6	48948.3	44593.2	39671.7
22.5°	65301.0	68037.2	69715.8	70281.8	69715.8	68037.2	65301.0	61589.6	57293.9	52560.0	47212.3
20°	76453.1	80150.0	82431.3	83202.9	82431.3	80150.0	76453.1	71477.0	66192.7	60304.9	54413.6
17.5°	89294.1	94220.4	97285.2	98326.5	97285.2	94220.4	89294.1	82801.2	76011.1	68579.2	61430.3
15°	101808.6	106064.3	108743.8	109660.4	108743.8	106064.3	101808.6	95520.4	86631.2	77566.3	68579.2
12.5°	111183.8	114596.1	116486.5	117067.2	116486.5	114596.1	111183.8	105317.6	97679.4	86631.2	76011.1
10°	117121.9	119826.5	121279.2	121776.1	121279.2	119826.5	117121.9	112664.0	105317.6	95520.4	82801.2
7.5°	120811.6	123329.2	124841.5	125374.4	124841.5	123329.2	120811.6	117121.9	111183.8	101808.6	89294.1
5°	123329.2	125947.0	127570.9	128066.1	127570.9	125947.0	123329.2	119826.5	114596.1	106064.3	94220.4
2.5°	124841.5	127570.9	128351.3	128324.7	128351.3	127570.9	124841.5	121279.2	116486.5	108743.8	97285.2
0°	125374.4	128066.1	128324.7	127829.3	128324.7	128066.1	125374.4	121776.1	117067.2	109660.4	98326.5
-2.5°	124841.5	127570.9	128351.3	128324.7	128351.3	127570.9	124841.5	121279.2	116486.5	108743.8	97285.2
-5°	123329.2	125947.0	127570.9	128066.1	127570.9	125947.0	123329.2	119826.5	114596.1	106064.3	94220.4
-7.5°	120811.6	123329.2	124841.5	125374.4	124841.5	123329.2	120811.6	117121.9	111183.8	101808.6	89294.1
-10°	117121.9	119826.5	121279.2	121776.1	121279.2	119826.5	117121.9	112664.0	105317.6	95520.4	82801.2
-12.5°	111183.8	114596.1	116486.5	117067.2	116486.5	114596.1	111183.8	105317.6	97679.4	86631.2	76011.1
-15°	101808.6	106064.3	108743.8	109660.4	108743.8	106064.3	101808.6	95520.4	86631.2	77566.3	68579.2
-17.5°	89294.1	94220.4	97285.2	98326.5	97285.2	94220.4	89294.1	82801.2	76011.1	68579.2	61430.3
-20°	76453.1	80150.0	82431.3	83202.9	82431.3	80150.0	76453.1	71477.0	66192.7	60304.9	54413.6



REPORT NUMBER: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	65301.0	68037.2	69715.8	70281.8	69715.8	68037.2	65301.0	61589.6	57293.9	52560.0	47212.3
-25°	55577.1	57739.0	59059.7	59504.0	59059.7	57739.0	55577.1	52627.6	48948.3	44593.2	39671.7
-27.5°	46425.5	48388.3	49583.6	49985.0	49583.6	48388.3	46425.5	43735.7	40370.6	36462.1	32006.2
-30°	37230.1	38973.6	40032.7	40388.0	40032.7	38973.6	37230.1	34832.6	31820.1	29191.8	26519.8
-32.5°	29104.7	30136.5	30762.1	30971.7	30762.1	30136.5	29104.7	27681.9	25888.1	24024.7	22186.3
-35°	23572.5	24274.8	24699.9	24842.2	24699.9	24274.8	23572.5	22602.1	21375.2	19948.8	18453.3
-37.5°	19246.0	19812.1	20154.3	20268.8	20154.3	19812.1	19246.0	18462.4	17469.5	16277.1	14949.3
-40°	15338.0	15836.0	16136.8	16237.4	16136.8	15836.0	15338.0	14647.5	13770.8	12715.8	11388.2
-42.5°	11443.4	11953.9	12262.0	12365.0	12262.0	11953.9	11443.4	10734.7	9833.6	8747.1	7447.1
-45°	7136.0	7634.8	7935.7	8036.2	7935.7	7634.8	7136.0	6442.8	5560.1	4494.2	3384.3
-47.5°	3229.9	3338.3	3403.6	3425.4	3403.6	3338.3	3229.9	3079.2	2887.1	2654.7	2383.6
-50°	2277.7	2308.6	2327.2	2333.4	2327.2	2308.6	2277.7	2234.7	2179.9	2113.5	2035.9
-52.5°	1974.3	1985.2	1991.7	1993.9	1991.7	1985.2	1974.3	1959.1	1939.7	1916.2	1888.7
-55°	1822.9	1845.1	1858.5	1863.0	1858.5	1845.1	1822.9	1791.9	1752.3	1704.2	1647.9
-57.5°	1527.9	1551.3	1565.5	1570.2	1565.5	1551.3	1527.9	1495.1	1453.2	1402.4	1342.8
-60°	1196.8	1215.5	1226.8	1230.6	1226.8	1215.5	1196.8	1170.6	1137.2	1096.5	1048.8
-62.5°	905.1	919.8	928.6	931.5	928.6	919.8	905.1	884.7	858.6	826.8	789.6
-65°	653.6	664.3	670.7	672.9	670.7	664.3	653.6	638.6	619.4	596.1	568.7
-67.5°	447.3	455.0	459.6	461.1	459.6	455.0	447.3	436.6	423.0	406.3	386.8
-70°	282.4	287.3	290.3	291.3	290.3	287.3	282.4	275.5	266.7	256.0	243.3
-72.5°	162.7	164.9	166.3	166.7	166.3	164.9	162.7	159.5	155.5	150.6	144.9
-75°	98.9	100.2	101.0	101.3	101.0	100.2	98.9	97.1	94.7	91.9	88.5
-77.5°	55.0	55.6	56.0	56.1	56.0	55.6	55.0	54.2	53.1	51.8	50.3
-80°	30.8	31.0	31.2	31.2	31.2	31.0	30.8	30.5	30.2	29.7	29.2
-82.5°	20.1	20.2	20.3	20.3	20.3	20.2	20.1	19.9	19.7	19.5	19.2
-85°	12.4	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.2	12.1	11.9
-87.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
-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: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

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°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
85°	11.7	11.5	11.3	11.1	10.8	10.5	10.2	9.9	9.5	9.2	8.8
82.5°	18.9	18.5	18.1	17.6	17.2	16.6	16.1	15.4	14.8	14.1	13.4
80°	28.5	27.9	27.1	26.2	25.3	24.3	23.3	22.1	20.9	19.8	18.9
77.5°	48.5	46.5	44.3	41.8	39.2	36.4	33.3	30.7	29.2	27.6	26.0
75°	84.6	80.2	75.4	70.1	64.3	58.1	53.5	49.6	45.5	41.2	36.6
72.5°	138.3	130.9	122.6	113.6	103.8	95.7	87.9	79.6	70.9	61.7	53.9
70°	228.9	212.6	194.5	174.7	159.6	147.5	134.5	120.8	106.2	94.2	83.1
67.5°	364.4	339.2	311.2	283.5	259.1	233.0	205.0	175.4	154.8	137.6	119.6
65°	537.3	502.0	462.9	428.2	391.1	351.2	308.6	270.9	236.0	199.3	163.8
62.5°	746.9	699.0	650.8	603.3	551.8	496.6	442.4	392.5	339.9	286.5	244.3
60°	994.2	933.0	874.2	810.2	741.1	668.0	603.3	534.9	462.9	402.1	339.2
57.5°	1274.7	1202.1	1127.8	1046.7	959.1	874.2	787.9	696.8	614.0	532.0	449.5
55°	1583.6	1502.2	1410.1	1309.6	1204.8	1102.7	994.2	886.8	783.0	674.6	582.0
52.5°	1850.5	1772.1	1685.6	1591.5	1477.4	1351.8	1220.1	1096.5	967.0	845.5	724.3
50°	1976.0	1937.9	1896.0	1835.0	1725.5	1608.6	1471.3	1320.4	1170.6	1025.8	883.3
47.5°	2253.1	2146.1	2028.6	1958.1	1905.3	1832.0	1699.2	1558.0	1389.1	1215.5	1055.5
45°	3050.3	2678.2	2313.8	2176.5	2029.4	1947.3	1883.7	1760.4	1605.1	1423.7	1230.6
42.5°	5921.3	4225.8	3175.7	2701.1	2290.0	2122.7	1975.7	1904.8	1791.3	1620.3	1423.7
40°	9840.1	8124.1	6135.1	3985.7	3015.1	2441.0	2179.5	1990.1	1911.8	1791.3	1605.1
37.5°	13453.6	11733.6	9722.4	7530.2	5081.9	3206.2	2565.9	2198.5	1990.1	1904.8	1760.4
35°	16772.0	14971.4	13041.3	10809.8	8359.4	5636.2	3270.4	2565.9	2179.5	1975.7	1883.7
32.5°	20143.8	18151.0	16006.9	13799.1	11360.4	8627.6	5636.2	3206.2	2441.0	2122.7	1947.3
30°	23870.2	21439.5	18995.0	16544.1	14054.0	11360.4	8359.4	5081.9	3015.1	2290.0	2029.4
27.5°	28426.2	24925.3	22106.6	19279.3	16544.1	13799.1	10809.8	7530.2	3985.7	2701.1	2176.5
25°	34330.2	29397.9	25392.8	22106.6	18995.0	16006.9	13041.3	9722.4	6135.1	3175.7	2313.8
22.5°	41331.7	35115.9	29397.9	24925.3	21439.5	18151.0	14971.4	11733.6	8124.1	4225.8	2678.2
20°	48100.6	41331.7	34330.2	28426.2	23870.2	20143.8	16772.0	13453.6	9840.1	5921.3	3050.3
17.5°	54413.6	47212.3	39671.7	32006.2	26519.8	22186.3	18453.3	14949.3	11388.2	7447.1	3384.3
15°	60304.9	52560.0	44593.2	36462.1	29191.8	24024.7	19948.8	16277.1	12715.8	8747.1	4494.2
12.5°	66192.7	57293.9	48948.3	40370.6	31820.1	25888.1	21375.2	17469.5	13770.8	9833.6	5560.1
10°	71477.0	61589.6	52627.6	43735.7	34832.6	27681.9	22602.1	18462.4	14647.5	10734.7	6442.8
7.5°	76453.1	65301.0	55577.1	46425.5	37230.1	29104.7	23572.5	19246.0	15338.0	11443.4	7136.0
5°	80150.0	68037.2	57739.0	48388.3	38973.6	30136.5	24274.8	19812.1	15836.0	11953.9	7634.8
2.5°	82431.3	69715.8	59059.7	49583.6	40032.7	30762.1	24699.9	20154.3	16136.8	12262.0	7935.7
0°	83202.9	70281.8	59504.0	49985.0	40388.0	30971.7	24842.2	20268.8	16237.4	12365.0	8036.2
-2.5°	82431.3	69715.8	59059.7	49583.6	40032.7	30762.1	24699.9	20154.3	16136.8	12262.0	7935.7
-5°	80150.0	68037.2	57739.0	48388.3	38973.6	30136.5	24274.8	19812.1	15836.0	11953.9	7634.8
-7.5°	76453.1	65301.0	55577.1	46425.5	37230.1	29104.7	23572.5	19246.0	15338.0	11443.4	7136.0
-10°	71477.0	61589.6	52627.6	43735.7	34832.6	27681.9	22602.1	18462.4	14647.5	10734.7	6442.8
-12.5°	66192.7	57293.9	48948.3	40370.6	31820.1	25888.1	21375.2	17469.5	13770.8	9833.6	5560.1
-15°	60304.9	52560.0	44593.2	36462.1	29191.8	24024.7	19948.8	16277.1	12715.8	8747.1	4494.2
-17.5°	54413.6	47212.3	39671.7	32006.2	26519.8	22186.3	18453.3	14949.3	11388.2	7447.1	3384.3
-20°	48100.6	41331.7	34330.2	28426.2	23870.2	20143.8	16772.0	13453.6	9840.1	5921.3	3050.3



REPORT NUMBER: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	41331.7	35115.9	29397.9	24925.3	21439.5	18151.0	14971.4	11733.6	8124.1	4225.8	2678.2
-25°	34330.2	29397.9	25392.8	22106.6	18995.0	16006.9	13041.3	9722.4	6135.1	3175.7	2313.8
-27.5°	28426.2	24925.3	22106.6	19279.3	16544.1	13799.1	10809.8	7530.2	3985.7	2701.1	2176.5
-30°	23870.2	21439.5	18995.0	16544.1	14054.0	11360.4	8359.4	5081.9	3015.1	2290.0	2029.4
-32.5°	20143.8	18151.0	16006.9	13799.1	11360.4	8627.6	5636.2	3206.2	2441.0	2122.7	1947.3
-35°	16772.0	14971.4	13041.3	10809.8	8359.4	5636.2	3270.4	2565.9	2179.5	1975.7	1883.7
-37.5°	13453.6	11733.6	9722.4	7530.2	5081.9	3206.2	2565.9	2198.5	1990.1	1904.8	1760.4
-40°	9840.1	8124.1	6135.1	3985.7	3015.1	2441.0	2179.5	1990.1	1911.8	1791.3	1605.1
-42.5°	5921.3	4225.8	3175.7	2701.1	2290.0	2122.7	1975.7	1904.8	1791.3	1620.3	1423.7
-45°	3050.3	2678.2	2313.8	2176.5	2029.4	1947.3	1883.7	1760.4	1605.1	1423.7	1230.6
-47.5°	2253.1	2146.1	2028.6	1958.1	1905.3	1832.0	1699.2	1558.0	1389.1	1215.5	1055.5
-50°	1976.0	1937.9	1896.0	1835.0	1725.5	1608.6	1471.3	1320.4	1170.6	1025.8	883.3
-52.5°	1850.5	1772.1	1685.6	1591.5	1477.4	1351.8	1220.1	1096.5	967.0	845.5	724.3
-55°	1583.6	1502.2	1410.1	1309.6	1204.8	1102.7	994.2	886.8	783.0	674.6	582.0
-57.5°	1274.7	1202.1	1127.8	1046.7	959.1	874.2	787.9	696.8	614.0	532.0	449.5
-60°	994.2	933.0	874.2	810.2	741.1	668.0	603.3	534.9	462.9	402.1	339.2
-62.5°	746.9	699.0	650.8	603.3	551.8	496.6	442.4	392.5	339.9	286.5	244.3
-65°	537.3	502.0	462.9	428.2	391.1	351.2	308.6	270.9	236.0	199.3	163.8
-67.5°	364.4	339.2	311.2	283.5	259.1	233.0	205.0	175.4	154.8	137.6	119.6
-70°	228.9	212.6	194.5	174.7	159.6	147.5	134.5	120.8	106.2	94.2	83.1
-72.5°	138.3	130.9	122.6	113.6	103.8	95.7	87.9	79.6	70.9	61.7	53.9
-75°	84.6	80.2	75.4	70.1	64.3	58.1	53.5	49.6	45.5	41.2	36.6
-77.5°	48.5	46.5	44.3	41.8	39.2	36.4	33.3	30.7	29.2	27.6	26.0
-80°	28.5	27.9	27.1	26.2	25.3	24.3	23.3	22.1	20.9	19.8	18.9
-82.5°	18.9	18.5	18.1	17.6	17.2	16.6	16.1	15.4	14.8	14.1	13.4
-85°	11.7	11.5	11.3	11.1	10.8	10.5	10.2	9.9	9.5	9.2	8.8
-87.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
-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: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

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°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
85°	8.4	8.0	7.6	7.1	6.7	6.2	5.7	5.2	4.7	4.2	3.7
82.5°	12.7	12.0	11.4	10.7	10.0	9.3	8.6	7.9	7.1	6.3	5.6
80°	17.9	16.9	15.8	14.7	13.6	12.5	11.5	10.5	9.5	8.5	7.4
77.5°	24.3	22.5	20.6	19.1	17.7	16.3	14.8	13.3	11.9	10.6	9.3
75°	31.9	29.4	27.1	24.8	22.5	20.1	18.3	16.5	14.6	12.7	11.1
72.5°	48.3	42.6	36.7	30.9	28.1	25.3	22.4	19.7	17.5	15.3	13.1
70°	71.6	59.7	51.3	44.3	37.1	30.5	27.2	23.8	20.4	17.9	15.3
67.5°	101.0	87.6	73.7	59.3	49.8	41.5	33.0	28.2	24.3	20.4	17.5
65°	142.9	121.3	99.6	83.7	67.4	53.1	43.7	34.1	28.2	23.8	19.7
62.5°	200.4	160.6	136.0	110.7	89.8	71.4	54.2	43.7	33.0	27.2	22.4
60°	278.5	228.9	177.7	144.9	116.6	91.9	71.4	53.1	41.5	30.5	25.3
57.5°	378.5	305.2	246.0	189.1	147.9	116.6	89.8	67.4	49.8	37.1	28.1
55°	486.4	402.3	321.0	251.8	189.1	144.9	110.7	83.7	59.3	44.3	30.9
52.5°	612.3	506.5	410.3	321.0	246.0	177.7	136.0	99.6	73.7	51.3	36.7
50°	749.3	622.4	506.5	402.3	305.2	228.9	160.6	121.3	87.6	59.7	42.6
47.5°	896.0	749.3	612.3	486.4	378.5	278.5	200.4	142.9	101.0	71.6	48.3
45°	1055.5	883.3	724.3	582.0	449.5	339.2	244.3	163.8	119.6	83.1	53.9
42.5°	1215.5	1025.8	845.5	674.6	532.0	402.1	286.5	199.3	137.6	94.2	61.7
40°	1389.1	1170.6	967.0	783.0	614.0	462.9	339.9	236.0	154.8	106.2	70.9
37.5°	1558.0	1320.4	1096.5	886.8	696.8	534.9	392.5	270.9	175.4	120.8	79.6
35°	1699.2	1471.3	1220.1	994.2	787.9	603.3	442.4	308.6	205.0	134.5	87.9
32.5°	1832.0	1608.6	1351.8	1102.7	874.2	668.0	496.6	351.2	233.0	147.5	95.7
30°	1905.3	1725.5	1477.4	1204.8	959.1	741.1	551.8	391.1	259.1	159.6	103.8
27.5°	1958.1	1835.0	1591.5	1309.6	1046.7	810.2	603.3	428.2	283.5	174.7	113.6
25°	2028.6	1896.0	1685.6	1410.1	1127.8	874.2	650.8	462.9	311.2	194.5	122.6
22.5°	2146.1	1937.9	1772.1	1502.2	1202.1	933.0	699.0	502.0	339.2	212.6	130.9
20°	2253.1	1976.0	1850.5	1583.6	1274.7	994.2	746.9	537.3	364.4	228.9	138.3
17.5°	2383.6	2035.9	1888.7	1647.9	1342.8	1048.8	789.6	568.7	386.8	243.3	144.9
15°	2654.7	2113.5	1916.2	1704.2	1402.4	1096.5	826.8	596.1	406.3	256.0	150.6
12.5°	2887.1	2179.9	1939.7	1752.3	1453.2	1137.2	858.6	619.4	423.0	266.7	155.5
10°	3079.2	2234.7	1959.1	1791.9	1495.1	1170.6	884.7	638.6	436.6	275.5	159.5
7.5°	3229.9	2277.7	1974.3	1822.9	1527.9	1196.8	905.1	653.6	447.3	282.4	162.7
5°	3338.3	2308.6	1985.2	1845.1	1551.3	1215.5	919.8	664.3	455.0	287.3	164.9
2.5°	3403.6	2327.2	1991.7	1858.5	1565.5	1226.8	928.6	670.7	459.6	290.3	166.3
0°	3425.4	2333.4	1993.9	1863.0	1570.2	1230.6	931.5	672.9	461.1	291.3	166.7
-2.5°	3403.6	2327.2	1991.7	1858.5	1565.5	1226.8	928.6	670.7	459.6	290.3	166.3
-5°	3338.3	2308.6	1985.2	1845.1	1551.3	1215.5	919.8	664.3	455.0	287.3	164.9
-7.5°	3229.9	2277.7	1974.3	1822.9	1527.9	1196.8	905.1	653.6	447.3	282.4	162.7
-10°	3079.2	2234.7	1959.1	1791.9	1495.1	1170.6	884.7	638.6	436.6	275.5	159.5
-12.5°	2887.1	2179.9	1939.7	1752.3	1453.2	1137.2	858.6	619.4	423.0	266.7	155.5
-15°	2654.7	2113.5	1916.2	1704.2	1402.4	1096.5	826.8	596.1	406.3	256.0	150.6
-17.5°	2383.6	2035.9	1888.7	1647.9	1342.8	1048.8	789.6	568.7	386.8	243.3	144.9
-20°	2253.1	1976.0	1850.5	1583.6	1274.7	994.2	746.9	537.3	364.4	228.9	138.3



REPORT NUMBER: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2146.1	1937.9	1772.1	1502.2	1202.1	933.0	699.0	502.0	339.2	212.6	130.9
-25°	2028.6	1896.0	1685.6	1410.1	1127.8	874.2	650.8	462.9	311.2	194.5	122.6
-27.5°	1958.1	1835.0	1591.5	1309.6	1046.7	810.2	603.3	428.2	283.5	174.7	113.6
-30°	1905.3	1725.5	1477.4	1204.8	959.1	741.1	551.8	391.1	259.1	159.6	103.8
-32.5°	1832.0	1608.6	1351.8	1102.7	874.2	668.0	496.6	351.2	233.0	147.5	95.7
-35°	1699.2	1471.3	1220.1	994.2	787.9	603.3	442.4	308.6	205.0	134.5	87.9
-37.5°	1558.0	1320.4	1096.5	886.8	696.8	534.9	392.5	270.9	175.4	120.8	79.6
-40°	1389.1	1170.6	967.0	783.0	614.0	462.9	339.9	236.0	154.8	106.2	70.9
-42.5°	1215.5	1025.8	845.5	674.6	532.0	402.1	286.5	199.3	137.6	94.2	61.7
-45°	1055.5	883.3	724.3	582.0	449.5	339.2	244.3	163.8	119.6	83.1	53.9
-47.5°	896.0	749.3	612.3	486.4	378.5	278.5	200.4	142.9	101.0	71.6	48.3
-50°	749.3	622.4	506.5	402.3	305.2	228.9	160.6	121.3	87.6	59.7	42.6
-52.5°	612.3	506.5	410.3	321.0	246.0	177.7	136.0	99.6	73.7	51.3	36.7
-55°	486.4	402.3	321.0	251.8	189.1	144.9	110.7	83.7	59.3	44.3	30.9
-57.5°	378.5	305.2	246.0	189.1	147.9	116.6	89.8	67.4	49.8	37.1	28.1
-60°	278.5	228.9	177.7	144.9	116.6	91.9	71.4	53.1	41.5	30.5	25.3
-62.5°	200.4	160.6	136.0	110.7	89.8	71.4	54.2	43.7	33.0	27.2	22.4
-65°	142.9	121.3	99.6	83.7	67.4	53.1	43.7	34.1	28.2	23.8	19.7
-67.5°	101.0	87.6	73.7	59.3	49.8	41.5	33.0	28.2	24.3	20.4	17.5
-70°	71.6	59.7	51.3	44.3	37.1	30.5	27.2	23.8	20.4	17.9	15.3
-72.5°	48.3	42.6	36.7	30.9	28.1	25.3	22.4	19.7	17.5	15.3	13.1
-75°	31.9	29.4	27.1	24.8	22.5	20.1	18.3	16.5	14.6	12.7	11.1
-77.5°	24.3	22.5	20.6	19.1	17.7	16.3	14.8	13.3	11.9	10.6	9.3
-80°	17.9	16.9	15.8	14.7	13.6	12.5	11.5	10.5	9.5	8.5	7.4
-82.5°	12.7	12.0	11.4	10.7	10.0	9.3	8.6	7.9	7.1	6.3	5.6
-85°	8.4	8.0	7.6	7.1	6.7	6.2	5.7	5.2	4.7	4.2	3.7
-87.5°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
-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: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

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°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
80°	6.4	5.3	4.3	3.2	2.2	1.1	0.0
77.5°	8.0	6.7	5.3	4.0	2.7	1.3	0.0
75°	9.6	8.0	6.4	4.8	3.2	1.6	0.0
72.5°	11.1	9.3	7.4	5.6	3.7	1.9	0.0
70°	12.7	10.6	8.5	6.3	4.2	2.1	0.0
67.5°	14.6	11.9	9.5	7.1	4.7	2.4	0.0
65°	16.5	13.3	10.5	7.9	5.2	2.6	0.0
62.5°	18.3	14.8	11.5	8.6	5.7	2.9	0.0
60°	20.1	16.3	12.5	9.3	6.2	3.1	0.0
57.5°	22.5	17.7	13.6	10.0	6.7	3.3	0.0
55°	24.8	19.1	14.7	10.7	7.1	3.6	0.0
52.5°	27.1	20.6	15.8	11.4	7.6	3.8	0.0
50°	29.4	22.5	16.9	12.0	8.0	4.0	0.0
47.5°	31.9	24.3	17.9	12.7	8.4	4.2	0.0
45°	36.6	26.0	18.9	13.4	8.8	4.4	0.0
42.5°	41.2	27.6	19.8	14.1	9.2	4.6	0.0
40°	45.5	29.2	20.9	14.8	9.5	4.7	0.0
37.5°	49.6	30.7	22.1	15.4	9.9	4.9	0.0
35°	53.5	33.3	23.3	16.1	10.2	5.1	0.0
32.5°	58.1	36.4	24.3	16.6	10.5	5.2	0.0
30°	64.3	39.2	25.3	17.2	10.8	5.4	0.0
27.5°	70.1	41.8	26.2	17.6	11.1	5.5	0.0
25°	75.4	44.3	27.1	18.1	11.3	5.6	0.0
22.5°	80.2	46.5	27.9	18.5	11.5	5.7	0.0
20°	84.6	48.5	28.5	18.9	11.7	5.8	0.0
17.5°	88.5	50.3	29.2	19.2	11.9	5.9	0.0
15°	91.9	51.8	29.7	19.5	12.1	6.0	0.0
12.5°	94.7	53.1	30.2	19.7	12.2	6.1	0.0
10°	97.1	54.2	30.5	19.9	12.3	6.1	0.0
7.5°	98.9	55.0	30.8	20.1	12.4	6.1	0.0
5°	100.2	55.6	31.0	20.2	12.5	6.2	0.0
2.5°	101.0	56.0	31.2	20.3	12.5	6.2	0.0
0°	101.3	56.1	31.2	20.3	12.5	6.2	0.0
-2.5°	101.0	56.0	31.2	20.3	12.5	6.2	0.0
-5°	100.2	55.6	31.0	20.2	12.5	6.2	0.0
-7.5°	98.9	55.0	30.8	20.1	12.4	6.1	0.0
-10°	97.1	54.2	30.5	19.9	12.3	6.1	0.0
-12.5°	94.7	53.1	30.2	19.7	12.2	6.1	0.0
-15°	91.9	51.8	29.7	19.5	12.1	6.0	0.0
-17.5°	88.5	50.3	29.2	19.2	11.9	5.9	0.0
-20°	84.6	48.5	28.5	18.9	11.7	5.8	0.0



REPORT NUMBER: P1305411 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-640L-57-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	80.2	46.5	27.9	18.5	11.5	5.7	0.0
-25°	75.4	44.3	27.1	18.1	11.3	5.6	0.0
-27.5°	70.1	41.8	26.2	17.6	11.1	5.5	0.0
-30°	64.3	39.2	25.3	17.2	10.8	5.4	0.0
-32.5°	58.1	36.4	24.3	16.6	10.5	5.2	0.0
-35°	53.5	33.3	23.3	16.1	10.2	5.1	0.0
-37.5°	49.6	30.7	22.1	15.4	9.9	4.9	0.0
-40°	45.5	29.2	20.9	14.8	9.5	4.7	0.0
-42.5°	41.2	27.6	19.8	14.1	9.2	4.6	0.0
-45°	36.6	26.0	18.9	13.4	8.8	4.4	0.0
-47.5°	31.9	24.3	17.9	12.7	8.4	4.2	0.0
-50°	29.4	22.5	16.9	12.0	8.0	4.0	0.0
-52.5°	27.1	20.6	15.8	11.4	7.6	3.8	0.0
-55°	24.8	19.1	14.7	10.7	7.1	3.6	0.0
-57.5°	22.5	17.7	13.6	10.0	6.7	3.3	0.0
-60°	20.1	16.3	12.5	9.3	6.2	3.1	0.0
-62.5°	18.3	14.8	11.5	8.6	5.7	2.9	0.0
-65°	16.5	13.3	10.5	7.9	5.2	2.6	0.0
-67.5°	14.6	11.9	9.5	7.1	4.7	2.4	0.0
-70°	12.7	10.6	8.5	6.3	4.2	2.1	0.0
-72.5°	11.1	9.3	7.4	5.6	3.7	1.9	0.0
-75°	9.6	8.0	6.4	4.8	3.2	1.6	0.0
-77.5°	8.0	6.7	5.3	4.0	2.7	1.3	0.0
-80°	6.4	5.3	4.3	3.2	2.2	1.1	0.0
-82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
-87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)