

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: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-57-80-5S-HEG-A**

Issue Date: 2/3/2026

Test Information

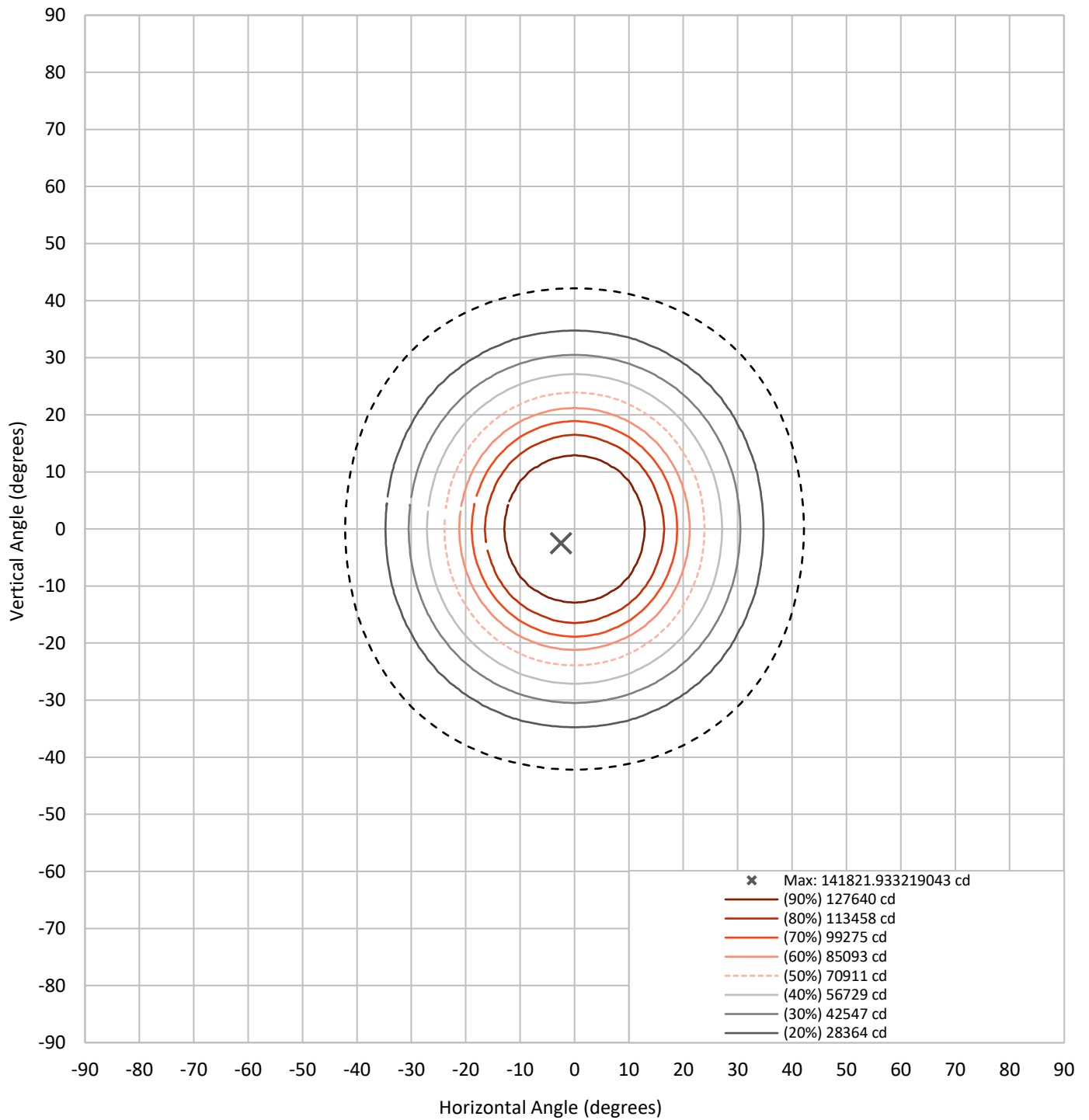
Test Method: LM-79-08
Report Number: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-680R-57-80-5S-HEG-A
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:	103663.3 lumens	Max Intensity:	141821.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	150.7 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:	58155 lumens	Field Lumens:	96588.5 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%
Input Watts (W):	688		
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





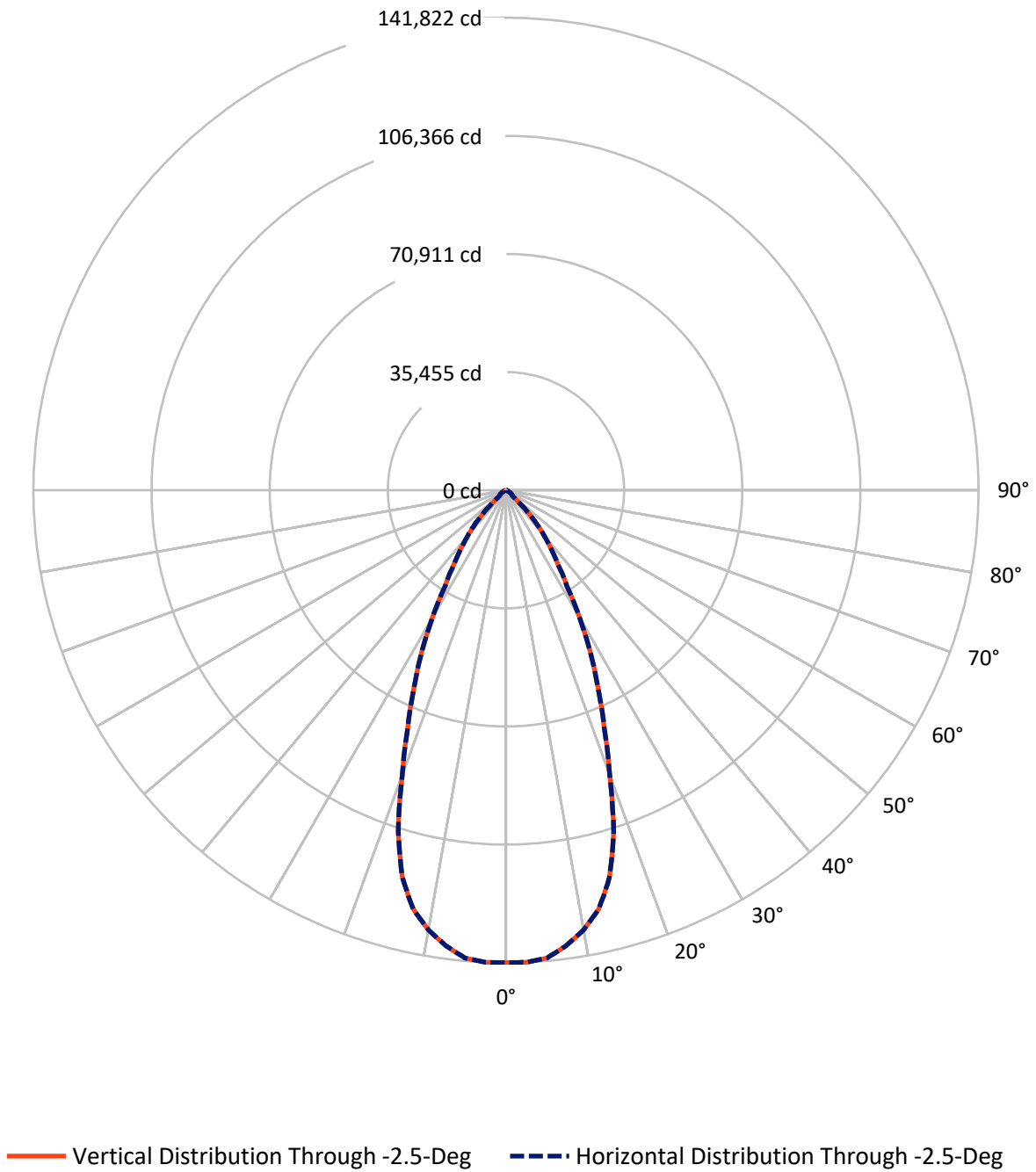
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Lumen Table

90	0.1	1.0	3.3	7.0	8.9	7.0	3.3	1.0	0.1							
80	0.1	1.0	3.3	7.0	8.9	7.0	3.3	1.0	0.1							
70	0.4	0.5	1.7	4.5	9.2	15.0	20.2	23.3	23.3	20.2	15.0	9.2	4.5	1.7	0.5	0.4
60		1.3	5.2	14.3	27.9	42.6	53.6	59.6	59.6	53.6	42.6	27.9	14.3	5.2	1.3	
50	1.1	2.8	11.7	29.6	51.2	92.2	187.9	264.5	264.5	187.9	92.2	51.2	29.6	11.7	2.8	1.1
40		4.9	19.8	44.3	128.7	389.5	657.6	842.5	842.5	657.6	389.5	128.7	44.3	19.8	4.9	
30	2.0	7.2	27.3	72.9	353.9	805.1	1440.8	1933.8	1933.8	1440.8	805.1	353.9	72.9	27.3	7.2	2.0
20		9.2	32.2	140.8	561.3	1356.0	2519.8	3432.9	3432.9	2519.8	1356.0	561.3	140.8	32.2	9.2	
10	2.4	10.2	34.7	192.5	698.4	1766.8	3332.9	4160.4	4160.4	3332.9	1766.8	698.4	192.5	34.7	10.2	2.4
0		10.2	34.7	192.5	698.4	1766.8	3332.9	4160.4	4160.4	3332.9	1766.8	698.4	192.5	34.7	10.2	
-10	2.0	9.2	32.2	140.8	561.3	1356.0	2519.8	3432.9	3432.9	2519.8	1356.0	561.3	140.8	32.2	9.2	2.0
-20		7.2	27.3	72.9	353.9	805.1	1440.8	1933.8	1933.8	1440.8	805.1	353.9	72.9	27.3	7.2	
-30	1.1	4.9	19.8	44.3	128.7	389.5	657.6	842.5	842.5	657.6	389.5	128.7	44.3	19.8	4.9	1.1
-40		2.8	11.7	29.6	51.2	92.2	187.9	264.5	264.5	187.9	92.2	51.2	29.6	11.7	2.8	
-50	0.4	1.3	5.2	14.3	27.9	42.6	53.6	59.6	59.6	53.6	42.6	27.9	14.3	5.2	1.3	0.4
-60		0.5	1.7	4.5	9.2	15.0	20.2	23.3	23.3	20.2	15.0	9.2	4.5	1.7	0.5	
-70	0.1	1.0	3.3	7.0	8.9	7.0	3.3	1.0	0.1							
-80		0.1	1.0	3.3	7.0	8.9	7.0	3.3	1.0	0.1						
-90	0.1	1.0	3.3	7.0	8.9	7.0	3.3	1.0	0.1							

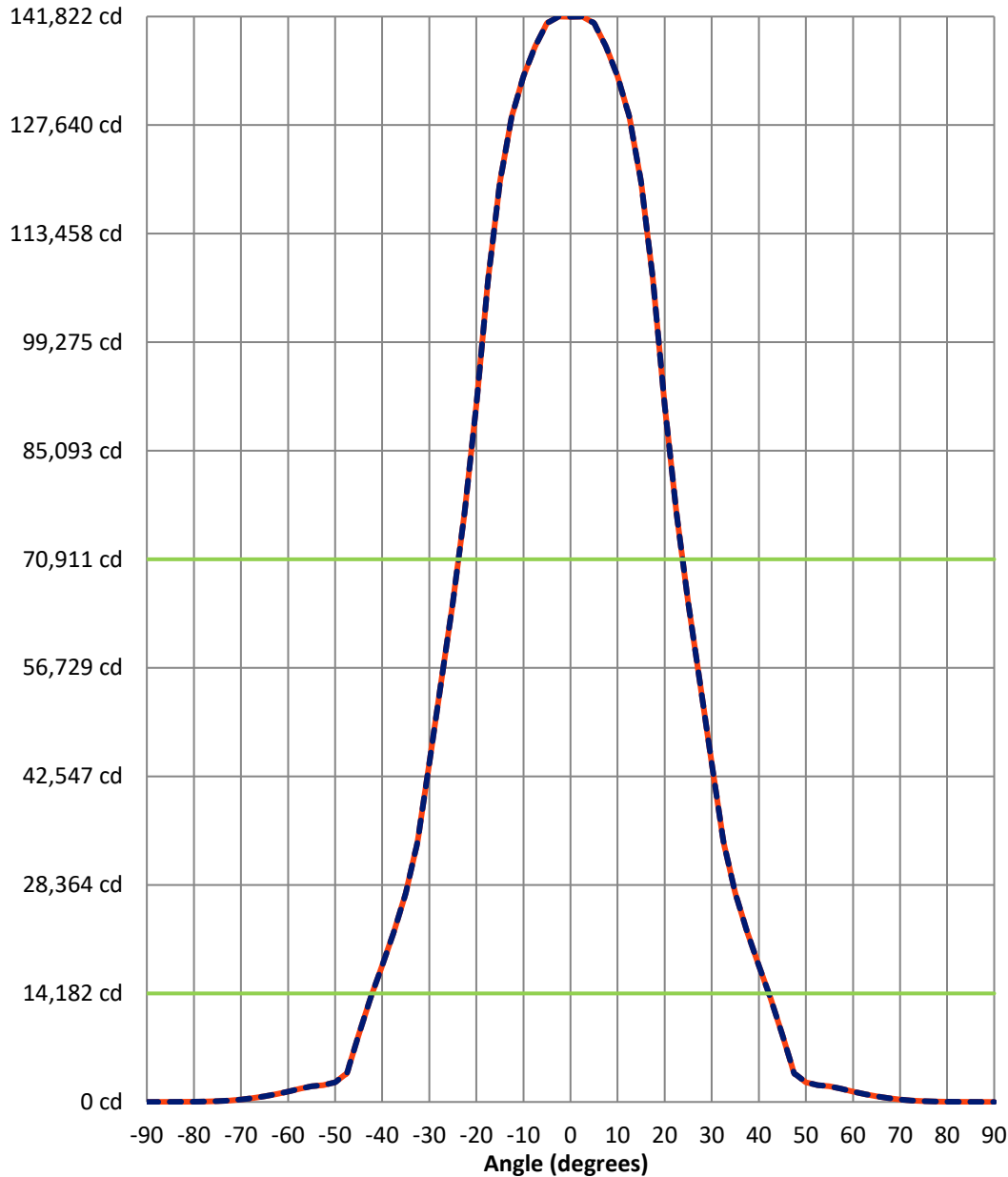
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 47.6°
 V Angle: 47.6°
 Lumens: 58155
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 96588.5
 Efficiency: 93.2%

Spill:
 Lumens: 7074.8
 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	26.8	31.1
65°	0.0	2.9	5.8	8.7	11.6	14.7	18.2	21.7	26.3	31.1	37.6
62.5°	0.0	3.2	6.4	9.5	12.7	16.3	20.2	24.7	30.0	36.4	48.2
60°	0.0	3.4	6.9	10.3	13.7	18.0	22.2	27.9	33.7	45.8	58.7
57.5°	0.0	3.7	7.4	11.1	15.0	19.6	24.8	31.0	40.9	55.0	74.5
55°	0.0	4.0	7.9	11.9	16.3	21.1	27.4	34.1	48.9	65.6	92.5
52.5°	0.0	4.2	8.4	12.6	17.5	22.7	29.9	40.4	56.7	81.4	110.1
50°	0.0	4.4	8.9	13.3	18.6	24.8	32.4	47.0	66.0	96.7	134.0
47.5°	0.0	4.7	9.3	14.0	19.8	26.8	35.2	53.4	79.2	111.6	157.9
45°	0.0	4.9	9.8	14.8	20.9	28.7	40.4	59.5	91.8	132.1	181.0
42.5°	0.0	5.1	10.2	15.6	21.9	30.5	45.4	68.2	104.0	152.0	220.3
40°	0.0	5.3	10.6	16.3	23.1	32.2	50.2	78.3	117.4	171.1	260.7
37.5°	0.0	5.5	10.9	17.0	24.4	33.9	54.8	88.0	133.4	193.8	299.3
35°	0.0	5.7	11.3	17.7	25.7	36.7	59.1	97.1	148.6	226.5	341.0
32.5°	0.0	5.8	11.6	18.3	26.8	40.1	64.2	105.7	163.0	257.4	388.0
30°	0.0	6.0	11.9	18.9	27.9	43.3	71.0	114.6	176.4	286.4	432.1
27.5°	0.0	6.1	12.2	19.5	28.9	46.2	77.4	125.5	193.0	313.3	473.2
25°	0.0	6.3	12.5	20.0	29.9	48.9	83.3	135.5	214.9	343.9	511.5
22.5°	0.0	6.4	12.7	20.4	30.7	51.3	88.6	144.6	234.9	374.8	554.7
20°	0.0	6.5	13.0	20.8	31.5	53.6	93.5	152.8	252.9	402.6	593.6
17.5°	0.0	6.6	13.2	21.2	32.2	55.5	97.7	160.1	268.9	427.4	628.3
15°	0.0	6.7	13.3	21.5	32.7	57.2	101.5	166.4	282.8	449.0	658.6
12.5°	0.0	6.7	13.5	21.8	33.3	58.7	104.6	171.8	294.7	467.4	684.4
10°	0.0	6.8	13.6	22.0	33.7	59.9	107.2	176.3	304.5	482.5	705.6
7.5°	0.0	6.8	13.7	22.2	34.0	60.8	109.3	179.7	312.1	494.3	722.1
5°	0.0	6.9	13.7	22.3	34.2	61.5	110.7	182.2	317.5	502.7	734.0
2.5°	0.0	6.9	13.8	22.4	34.4	61.9	111.6	183.7	320.8	507.8	741.1
0°	0.0	6.9	13.8	22.4	34.4	62.0	111.9	184.2	321.9	509.5	743.5
-2.5°	0.0	6.9	13.8	22.4	34.4	61.9	111.6	183.7	320.8	507.8	741.1
-5°	0.0	6.9	13.7	22.3	34.2	61.5	110.7	182.2	317.5	502.7	734.0
-7.5°	0.0	6.8	13.7	22.2	34.0	60.8	109.3	179.7	312.1	494.3	722.1
-10°	0.0	6.8	13.6	22.0	33.7	59.9	107.2	176.3	304.5	482.5	705.6
-12.5°	0.0	6.7	13.5	21.8	33.3	58.7	104.6	171.8	294.7	467.4	684.4
-15°	0.0	6.7	13.3	21.5	32.7	57.2	101.5	166.4	282.8	449.0	658.6
-17.5°	0.0	6.6	13.2	21.2	32.2	55.5	97.7	160.1	268.9	427.4	628.3
-20°	0.0	6.5	13.0	20.8	31.5	53.6	93.5	152.8	252.9	402.6	593.6



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 CATALOG NUMBER: EPH-08-680R-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	6.4	12.7	20.4	30.7	51.3	88.6	144.6	234.9	374.8	554.7
-25°	0.0	6.3	12.5	20.0	29.9	48.9	83.3	135.5	214.9	343.9	511.5
-27.5°	0.0	6.1	12.2	19.5	28.9	46.2	77.4	125.5	193.0	313.3	473.2
-30°	0.0	6.0	11.9	18.9	27.9	43.3	71.0	114.6	176.4	286.4	432.1
-32.5°	0.0	5.8	11.6	18.3	26.8	40.1	64.2	105.7	163.0	257.4	388.0
-35°	0.0	5.7	11.3	17.7	25.7	36.7	59.1	97.1	148.6	226.5	341.0
-37.5°	0.0	5.5	10.9	17.0	24.4	33.9	54.8	88.0	133.4	193.8	299.3
-40°	0.0	5.3	10.6	16.3	23.1	32.2	50.2	78.3	117.4	171.1	260.7
-42.5°	0.0	5.1	10.2	15.6	21.9	30.5	45.4	68.2	104.0	152.0	220.3
-45°	0.0	4.9	9.8	14.8	20.9	28.7	40.4	59.5	91.8	132.1	181.0
-47.5°	0.0	4.7	9.3	14.0	19.8	26.8	35.2	53.4	79.2	111.6	157.9
-50°	0.0	4.4	8.9	13.3	18.6	24.8	32.4	47.0	66.0	96.7	134.0
-52.5°	0.0	4.2	8.4	12.6	17.5	22.7	29.9	40.4	56.7	81.4	110.1
-55°	0.0	4.0	7.9	11.9	16.3	21.1	27.4	34.1	48.9	65.6	92.5
-57.5°	0.0	3.7	7.4	11.1	15.0	19.6	24.8	31.0	40.9	55.0	74.5
-60°	0.0	3.4	6.9	10.3	13.7	18.0	22.2	27.9	33.7	45.8	58.7
-62.5°	0.0	3.2	6.4	9.5	12.7	16.3	20.2	24.7	30.0	36.4	48.2
-65°	0.0	2.9	5.8	8.7	11.6	14.7	18.2	21.7	26.3	31.1	37.6
-67.5°	0.0	2.6	5.3	7.9	10.5	13.1	16.2	19.3	22.5	26.8	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



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 CATALOG NUMBER: EPH-08-680R-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°	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	32.2	33.9
75°	20.2	22.2	24.8	27.4	29.9	32.4	35.2	40.4	45.4	50.2	54.8
72.5°	24.7	27.9	31.0	34.1	40.4	47.0	53.4	59.5	68.2	78.3	88.0
70°	30.0	33.7	40.9	48.9	56.7	66.0	79.2	91.8	104.0	117.4	133.4
67.5°	36.4	45.8	55.0	65.6	81.4	96.7	111.6	132.1	152.0	171.1	193.8
65°	48.2	58.7	74.5	92.5	110.1	134.0	157.9	181.0	220.3	260.7	299.3
62.5°	59.9	78.9	99.2	122.3	150.2	177.4	221.5	269.9	316.6	375.6	433.7
60°	78.9	101.5	128.8	160.1	196.4	252.9	307.7	374.8	444.3	511.5	591.0
57.5°	99.2	128.8	163.4	209.0	271.9	337.2	418.3	496.7	587.8	678.5	769.9
55°	122.3	160.1	209.0	278.2	354.7	444.6	537.5	643.1	745.4	865.2	979.9
52.5°	150.2	196.4	271.9	354.7	453.4	559.6	676.6	800.3	934.2	1068.5	1211.6
50°	177.4	252.9	337.2	444.6	559.6	687.8	827.9	976.0	1133.5	1293.4	1458.9
47.5°	221.5	307.7	418.3	537.5	676.6	827.9	990.0	1166.2	1343.1	1534.8	1721.5
45°	269.9	374.8	496.7	643.1	800.3	976.0	1166.2	1359.7	1573.1	1773.4	1945.1
42.5°	316.6	444.3	587.8	745.4	934.2	1133.5	1343.1	1573.1	1790.2	1979.2	2104.6
40°	375.6	511.5	678.5	865.2	1068.5	1293.4	1534.8	1773.4	1979.2	2112.4	2198.9
37.5°	433.7	591.0	769.9	979.9	1211.6	1458.9	1721.5	1945.1	2104.6	2198.9	2429.2
35°	488.9	666.6	870.6	1098.6	1348.1	1625.6	1877.5	2081.4	2183.0	2408.2	2835.2
32.5°	548.7	738.0	966.0	1218.4	1493.6	1777.4	2024.2	2151.6	2345.5	2697.2	3542.7
30°	609.8	818.8	1059.8	1331.2	1632.3	1906.5	2105.3	2242.3	2530.3	3331.6	5615.2
27.5°	666.6	895.3	1156.6	1447.0	1758.5	2027.6	2163.6	2404.9	2984.6	4404.0	8320.5
25°	719.1	966.0	1246.2	1558.0	1862.5	2095.0	2241.4	2556.6	3509.0	6779.0	10742.8
22.5°	772.3	1030.9	1328.3	1659.8	1958.0	2141.3	2371.3	2959.3	4669.3	8976.7	12965.1
20°	825.3	1098.6	1408.4	1749.7	2044.7	2183.4	2489.5	3370.4	6542.7	10872.8	14865.5
17.5°	872.4	1158.9	1483.7	1820.8	2086.9	2249.5	2633.7	3739.5	8228.7	12583.3	16518.3
15°	913.6	1211.6	1549.5	1883.0	2117.3	2335.3	2933.4	4965.9	9665.1	14050.3	17985.5
12.5°	948.7	1256.5	1605.7	1936.1	2143.2	2408.7	3190.1	6143.7	10865.6	15216.1	19302.9
10°	977.6	1293.4	1651.9	1979.9	2164.6	2469.3	3402.3	7118.9	11861.3	16184.7	20400.1
7.5°	1000.2	1322.4	1688.1	2014.2	2181.4	2516.8	3568.9	7884.9	12644.4	16947.7	21265.9
5°	1016.3	1343.1	1714.1	2038.8	2193.4	2550.9	3688.6	8436.1	13208.5	17498.1	21891.4
2.5°	1026.1	1355.5	1729.7	2053.6	2200.7	2571.4	3760.8	8768.5	13548.9	17830.4	22269.5
0°	1029.3	1359.7	1734.9	2058.5	2203.1	2578.3	3784.9	8879.6	13662.7	17941.6	22396.0
-2.5°	1026.1	1355.5	1729.7	2053.6	2200.7	2571.4	3760.8	8768.5	13548.9	17830.4	22269.5
-5°	1016.3	1343.1	1714.1	2038.8	2193.4	2550.9	3688.6	8436.1	13208.5	17498.1	21891.4
-7.5°	1000.2	1322.4	1688.1	2014.2	2181.4	2516.8	3568.9	7884.9	12644.4	16947.7	21265.9
-10°	977.6	1293.4	1651.9	1979.9	2164.6	2469.3	3402.3	7118.9	11861.3	16184.7	20400.1
-12.5°	948.7	1256.5	1605.7	1936.1	2143.2	2408.7	3190.1	6143.7	10865.6	15216.1	19302.9
-15°	913.6	1211.6	1549.5	1883.0	2117.3	2335.3	2933.4	4965.9	9665.1	14050.3	17985.5
-17.5°	872.4	1158.9	1483.7	1820.8	2086.9	2249.5	2633.7	3739.5	8228.7	12583.3	16518.3
-20°	825.3	1098.6	1408.4	1749.7	2044.7	2183.4	2489.5	3370.4	6542.7	10872.8	14865.5



REPORT NUMBER: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	772.3	1030.9	1328.3	1659.8	1958.0	2141.3	2371.3	2959.3	4669.3	8976.7	12965.1
-25°	719.1	966.0	1246.2	1558.0	1862.5	2095.0	2241.4	2556.6	3509.0	6779.0	10742.8
-27.5°	666.6	895.3	1156.6	1447.0	1758.5	2027.6	2163.6	2404.9	2984.6	4404.0	8320.5
-30°	609.8	818.8	1059.8	1331.2	1632.3	1906.5	2105.3	2242.3	2530.3	3331.6	5615.2
-32.5°	548.7	738.0	966.0	1218.4	1493.6	1777.4	2024.2	2151.6	2345.5	2697.2	3542.7
-35°	488.9	666.6	870.6	1098.6	1348.1	1625.6	1877.5	2081.4	2183.0	2408.2	2835.2
-37.5°	433.7	591.0	769.9	979.9	1211.6	1458.9	1721.5	1945.1	2104.6	2198.9	2429.2
-40°	375.6	511.5	678.5	865.2	1068.5	1293.4	1534.8	1773.4	1979.2	2112.4	2198.9
-42.5°	316.6	444.3	587.8	745.4	934.2	1133.5	1343.1	1573.1	1790.2	1979.2	2104.6
-45°	269.9	374.8	496.7	643.1	800.3	976.0	1166.2	1359.7	1573.1	1773.4	1945.1
-47.5°	221.5	307.7	418.3	537.5	676.6	827.9	990.0	1166.2	1343.1	1534.8	1721.5
-50°	177.4	252.9	337.2	444.6	559.6	687.8	827.9	976.0	1133.5	1293.4	1458.9
-52.5°	150.2	196.4	271.9	354.7	453.4	559.6	676.6	800.3	934.2	1068.5	1211.6
-55°	122.3	160.1	209.0	278.2	354.7	444.6	537.5	643.1	745.4	865.2	979.9
-57.5°	99.2	128.8	163.4	209.0	271.9	337.2	418.3	496.7	587.8	678.5	769.9
-60°	78.9	101.5	128.8	160.1	196.4	252.9	307.7	374.8	444.3	511.5	591.0
-62.5°	59.9	78.9	99.2	122.3	150.2	177.4	221.5	269.9	316.6	375.6	433.7
-65°	48.2	58.7	74.5	92.5	110.1	134.0	157.9	181.0	220.3	260.7	299.3
-67.5°	36.4	45.8	55.0	65.6	81.4	96.7	111.6	132.1	152.0	171.1	193.8
-70°	30.0	33.7	40.9	48.9	56.7	66.0	79.2	91.8	104.0	117.4	133.4
-72.5°	24.7	27.9	31.0	34.1	40.4	47.0	53.4	59.5	68.2	78.3	88.0
-75°	20.2	22.2	24.8	27.4	29.9	32.4	35.2	40.4	45.4	50.2	54.8
-77.5°	16.3	18.0	19.6	21.1	22.7	24.8	26.8	28.7	30.5	32.2	33.9
-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: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	5.7	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	26.8	27.9	28.9	29.9	30.7	31.5	32.2	32.7	33.3	33.7
77.5°	36.7	40.1	43.3	46.2	48.9	51.3	53.6	55.5	57.2	58.7	59.9
75°	59.1	64.2	71.0	77.4	83.3	88.6	93.5	97.7	101.5	104.6	107.2
72.5°	97.1	105.7	114.6	125.5	135.5	144.6	152.8	160.1	166.4	171.8	176.3
70°	148.6	163.0	176.4	193.0	214.9	234.9	252.9	268.9	282.8	294.7	304.5
67.5°	226.5	257.4	286.4	313.3	343.9	374.8	402.6	427.4	449.0	467.4	482.5
65°	341.0	388.0	432.1	473.2	511.5	554.7	593.6	628.3	658.6	684.4	705.6
62.5°	488.9	548.7	609.8	666.6	719.1	772.3	825.3	872.4	913.6	948.7	977.6
60°	666.6	738.0	818.8	895.3	966.0	1030.9	1098.6	1158.9	1211.6	1256.5	1293.4
57.5°	870.6	966.0	1059.8	1156.6	1246.2	1328.3	1408.4	1483.7	1549.5	1605.7	1651.9
55°	1098.6	1218.4	1331.2	1447.0	1558.0	1659.8	1749.7	1820.8	1883.0	1936.1	1979.9
52.5°	1348.1	1493.6	1632.3	1758.5	1862.5	1958.0	2044.7	2086.9	2117.3	2143.2	2164.6
50°	1625.6	1777.4	1906.5	2027.6	2095.0	2141.3	2183.4	2249.5	2335.3	2408.7	2469.3
47.5°	1877.5	2024.2	2105.3	2163.6	2241.4	2371.3	2489.5	2633.7	2933.4	3190.1	3402.3
45°	2081.4	2151.6	2242.3	2404.9	2556.6	2959.3	3370.4	3739.5	4965.9	6143.7	7118.9
42.5°	2183.0	2345.5	2530.3	2984.6	3509.0	4669.3	6542.7	8228.7	9665.1	10865.6	11861.3
40°	2408.2	2697.2	3331.6	4404.0	6779.0	8976.7	10872.8	12583.3	14050.3	15216.1	16184.7
37.5°	2835.2	3542.7	5615.2	8320.5	10742.8	12965.1	14865.5	16518.3	17985.5	19302.9	20400.1
35°	3613.6	6227.7	9236.7	11944.3	14410.0	16542.8	18532.3	20390.0	22042.4	23618.5	24974.2
32.5°	6227.7	9533.0	12552.6	15247.3	17686.9	20056.0	22257.8	24514.7	26546.1	28605.1	30587.1
30°	9236.7	12552.6	15528.9	18280.5	20988.6	23689.6	26375.4	29303.0	32255.5	35159.6	38488.3
27.5°	11944.3	15247.3	18280.5	21302.7	24426.7	27541.2	31409.6	35365.2	40288.8	44607.5	48325.8
25°	14410.0	17686.9	20988.6	24426.7	28057.8	32483.2	37933.1	43835.3	49273.2	54085.4	58150.9
22.5°	16542.8	20056.0	23689.6	27541.2	32483.2	38801.4	45669.5	52167.2	58076.2	63307.0	68053.5
20°	18532.3	22257.8	26375.4	31409.6	37933.1	45669.5	53148.7	60124.3	66634.1	73139.7	78978.6
17.5°	20390.0	24514.7	29303.0	35365.2	43835.3	52167.2	60124.3	67877.6	75776.6	83988.5	91491.3
15°	22042.4	26546.1	32255.5	40288.8	49273.2	58076.2	66634.1	75776.6	85706.9	95723.2	105545.4
12.5°	23618.5	28605.1	35159.6	44607.5	54085.4	63307.0	73139.7	83988.5	95723.2	107931.0	116370.8
10°	24974.2	30587.1	38488.3	48325.8	58150.9	68053.5	78978.6	91491.3	105545.4	116370.8	124488.2
7.5°	26046.5	32159.2	41137.4	51297.8	61410.0	72154.4	84476.9	98665.6	112493.5	122852.6	129413.9
5°	26822.4	33299.3	43063.9	53466.7	63798.8	75177.7	88561.8	104108.9	117195.8	126623.0	132402.4
2.5°	27292.1	33990.6	44234.2	54787.3	65258.1	77032.5	91082.5	107495.4	120156.5	128711.9	134007.6
0°	27449.4	34222.2	44626.7	55230.9	65749.1	77657.9	91935.1	108646.0	121169.3	129353.5	134556.7
-2.5°	27292.1	33990.6	44234.2	54787.3	65258.1	77032.5	91082.5	107495.4	120156.5	128711.9	134007.6
-5°	26822.4	33299.3	43063.9	53466.7	63798.8	75177.7	88561.8	104108.9	117195.8	126623.0	132402.4
-7.5°	26046.5	32159.2	41137.4	51297.8	61410.0	72154.4	84476.9	98665.6	112493.5	122852.6	129413.9
-10°	24974.2	30587.1	38488.3	48325.8	58150.9	68053.5	78978.6	91491.3	105545.4	116370.8	124488.2
-12.5°	23618.5	28605.1	35159.6	44607.5	54085.4	63307.0	73139.7	83988.5	95723.2	107931.0	116370.8
-15°	22042.4	26546.1	32255.5	40288.8	49273.2	58076.2	66634.1	75776.6	85706.9	95723.2	105545.4
-17.5°	20390.0	24514.7	29303.0	35365.2	43835.3	52167.2	60124.3	67877.6	75776.6	83988.5	91491.3
-20°	18532.3	22257.8	26375.4	31409.6	37933.1	45669.5	53148.7	60124.3	66634.1	73139.7	78978.6



REPORT NUMBER: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	16542.8	20056.0	23689.6	27541.2	32483.2	38801.4	45669.5	52167.2	58076.2	63307.0	68053.5
-25°	14410.0	17686.9	20988.6	24426.7	28057.8	32483.2	37933.1	43835.3	49273.2	54085.4	58150.9
-27.5°	11944.3	15247.3	18280.5	21302.7	24426.7	27541.2	31409.6	35365.2	40288.8	44607.5	48325.8
-30°	9236.7	12552.6	15528.9	18280.5	20988.6	23689.6	26375.4	29303.0	32255.5	35159.6	38488.3
-32.5°	6227.7	9533.0	12552.6	15247.3	17686.9	20056.0	22257.8	24514.7	26546.1	28605.1	30587.1
-35°	3613.6	6227.7	9236.7	11944.3	14410.0	16542.8	18532.3	20390.0	22042.4	23618.5	24974.2
-37.5°	2835.2	3542.7	5615.2	8320.5	10742.8	12965.1	14865.5	16518.3	17985.5	19302.9	20400.1
-40°	2408.2	2697.2	3331.6	4404.0	6779.0	8976.7	10872.8	12583.3	14050.3	15216.1	16184.7
-42.5°	2183.0	2345.5	2530.3	2984.6	3509.0	4669.3	6542.7	8228.7	9665.1	10865.6	11861.3
-45°	2081.4	2151.6	2242.3	2404.9	2556.6	2959.3	3370.4	3739.5	4965.9	6143.7	7118.9
-47.5°	1877.5	2024.2	2105.3	2163.6	2241.4	2371.3	2489.5	2633.7	2933.4	3190.1	3402.3
-50°	1625.6	1777.4	1906.5	2027.6	2095.0	2141.3	2183.4	2249.5	2335.3	2408.7	2469.3
-52.5°	1348.1	1493.6	1632.3	1758.5	1862.5	1958.0	2044.7	2086.9	2117.3	2143.2	2164.6
-55°	1098.6	1218.4	1331.2	1447.0	1558.0	1659.8	1749.7	1820.8	1883.0	1936.1	1979.9
-57.5°	870.6	966.0	1059.8	1156.6	1246.2	1328.3	1408.4	1483.7	1549.5	1605.7	1651.9
-60°	666.6	738.0	818.8	895.3	966.0	1030.9	1098.6	1158.9	1211.6	1256.5	1293.4
-62.5°	488.9	548.7	609.8	666.6	719.1	772.3	825.3	872.4	913.6	948.7	977.6
-65°	341.0	388.0	432.1	473.2	511.5	554.7	593.6	628.3	658.6	684.4	705.6
-67.5°	226.5	257.4	286.4	313.3	343.9	374.8	402.6	427.4	449.0	467.4	482.5
-70°	148.6	163.0	176.4	193.0	214.9	234.9	252.9	268.9	282.8	294.7	304.5
-72.5°	97.1	105.7	114.6	125.5	135.5	144.6	152.8	160.1	166.4	171.8	176.3
-75°	59.1	64.2	71.0	77.4	83.3	88.6	93.5	97.7	101.5	104.6	107.2
-77.5°	36.7	40.1	43.3	46.2	48.9	51.3	53.6	55.5	57.2	58.7	59.9
-80°	25.7	26.8	27.9	28.9	29.9	30.7	31.5	32.2	32.7	33.3	33.7
-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: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	6.8	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°	34.0	34.2	34.4	34.4	34.4	34.2	34.0	33.7	33.3	32.7	32.2
77.5°	60.8	61.5	61.9	62.0	61.9	61.5	60.8	59.9	58.7	57.2	55.5
75°	109.3	110.7	111.6	111.9	111.6	110.7	109.3	107.2	104.6	101.5	97.7
72.5°	179.7	182.2	183.7	184.2	183.7	182.2	179.7	176.3	171.8	166.4	160.1
70°	312.1	317.5	320.8	321.9	320.8	317.5	312.1	304.5	294.7	282.8	268.9
67.5°	494.3	502.7	507.8	509.5	507.8	502.7	494.3	482.5	467.4	449.0	427.4
65°	722.1	734.0	741.1	743.5	741.1	734.0	722.1	705.6	684.4	658.6	628.3
62.5°	1000.2	1016.3	1026.1	1029.3	1026.1	1016.3	1000.2	977.6	948.7	913.6	872.4
60°	1322.4	1343.1	1355.5	1359.7	1355.5	1343.1	1322.4	1293.4	1256.5	1211.6	1158.9
57.5°	1688.1	1714.1	1729.7	1734.9	1729.7	1714.1	1688.1	1651.9	1605.7	1549.5	1483.7
55°	2014.2	2038.8	2053.6	2058.5	2053.6	2038.8	2014.2	1979.9	1936.1	1883.0	1820.8
52.5°	2181.4	2193.4	2200.7	2203.1	2200.7	2193.4	2181.4	2164.6	2143.2	2117.3	2086.9
50°	2516.8	2550.9	2571.4	2578.3	2571.4	2550.9	2516.8	2469.3	2408.7	2335.3	2249.5
47.5°	3568.9	3688.6	3760.8	3784.9	3760.8	3688.6	3568.9	3402.3	3190.1	2933.4	2633.7
45°	7884.9	8436.1	8768.5	8879.6	8768.5	8436.1	7884.9	7118.9	6143.7	4965.9	3739.5
42.5°	12644.4	13208.5	13548.9	13662.7	13548.9	13208.5	12644.4	11861.3	10865.6	9665.1	8228.7
40°	16947.7	17498.1	17830.4	17941.6	17830.4	17498.1	16947.7	16184.7	15216.1	14050.3	12583.3
37.5°	21265.9	21891.4	22269.5	22396.0	22269.5	21891.4	21265.9	20400.1	19302.9	17985.5	16518.3
35°	26046.5	26822.4	27292.1	27449.4	27292.1	26822.4	26046.5	24974.2	23618.5	22042.4	20390.0
32.5°	32159.2	33299.3	33990.6	34222.2	33990.6	33299.3	32159.2	30587.1	28605.1	26546.1	24514.7
30°	41137.4	43063.9	44234.2	44626.7	44234.2	43063.9	41137.4	38488.3	35159.6	32255.5	29303.0
27.5°	51297.8	53466.7	54787.3	55230.9	54787.3	53466.7	51297.8	48325.8	44607.5	40288.8	35365.2
25°	61410.0	63798.8	65258.1	65749.1	65258.1	63798.8	61410.0	58150.9	54085.4	49273.2	43835.3
22.5°	72154.4	75177.7	77032.5	77657.9	77032.5	75177.7	72154.4	68053.5	63307.0	58076.2	52167.2
20°	84476.9	88561.8	91082.5	91935.1	91082.5	88561.8	84476.9	78978.6	73139.7	66634.1	60124.3
17.5°	98665.6	104108.9	107495.4	108646.0	107495.4	104108.9	98665.6	91491.3	83988.5	75776.6	67877.6
15°	112493.5	117195.8	120156.5	121169.3	120156.5	117195.8	112493.5	105545.4	95723.2	85706.9	75776.6
12.5°	122852.6	126623.0	128711.9	129353.5	128711.9	126623.0	122852.6	116370.8	107931.0	95723.2	83988.5
10°	129413.9	132402.4	134007.6	134556.7	134007.6	132402.4	129413.9	124488.2	116370.8	105545.4	91491.3
7.5°	133490.9	136272.7	137943.7	138532.6	137943.7	136272.7	133490.9	129413.9	122852.6	112493.5	98665.6
5°	136272.7	139165.2	140959.6	141506.8	140959.6	139165.2	136272.7	132402.4	126623.0	117195.8	104108.9
2.5°	137943.7	140959.6	141821.9	141792.5	141821.9	140959.6	137943.7	134007.6	128711.9	120156.5	107495.4
0°	138532.6	141506.8	141792.5	141245.2	141792.5	141506.8	138532.6	134556.7	129353.5	121169.3	108646.0
-2.5°	137943.7	140959.6	141821.9	141792.5	141821.9	140959.6	137943.7	134007.6	128711.9	120156.5	107495.4
-5°	136272.7	139165.2	140959.6	141506.8	140959.6	139165.2	136272.7	132402.4	126623.0	117195.8	104108.9
-7.5°	133490.9	136272.7	137943.7	138532.6	137943.7	136272.7	133490.9	129413.9	122852.6	112493.5	98665.6
-10°	129413.9	132402.4	134007.6	134556.7	134007.6	132402.4	129413.9	124488.2	116370.8	105545.4	91491.3
-12.5°	122852.6	126623.0	128711.9	129353.5	128711.9	126623.0	122852.6	116370.8	107931.0	95723.2	83988.5
-15°	112493.5	117195.8	120156.5	121169.3	120156.5	117195.8	112493.5	105545.4	95723.2	85706.9	75776.6
-17.5°	98665.6	104108.9	107495.4	108646.0	107495.4	104108.9	98665.6	91491.3	83988.5	75776.6	67877.6
-20°	84476.9	88561.8	91082.5	91935.1	91082.5	88561.8	84476.9	78978.6	73139.7	66634.1	60124.3



REPORT NUMBER: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	72154.4	75177.7	77032.5	77657.9	77032.5	75177.7	72154.4	68053.5	63307.0	58076.2	52167.2
-25°	61410.0	63798.8	65258.1	65749.1	65258.1	63798.8	61410.0	58150.9	54085.4	49273.2	43835.3
-27.5°	51297.8	53466.7	54787.3	55230.9	54787.3	53466.7	51297.8	48325.8	44607.5	40288.8	35365.2
-30°	41137.4	43063.9	44234.2	44626.7	44234.2	43063.9	41137.4	38488.3	35159.6	32255.5	29303.0
-32.5°	32159.2	33299.3	33990.6	34222.2	33990.6	33299.3	32159.2	30587.1	28605.1	26546.1	24514.7
-35°	26046.5	26822.4	27292.1	27449.4	27292.1	26822.4	26046.5	24974.2	23618.5	22042.4	20390.0
-37.5°	21265.9	21891.4	22269.5	22396.0	22269.5	21891.4	21265.9	20400.1	19302.9	17985.5	16518.3
-40°	16947.7	17498.1	17830.4	17941.6	17830.4	17498.1	16947.7	16184.7	15216.1	14050.3	12583.3
-42.5°	12644.4	13208.5	13548.9	13662.7	13548.9	13208.5	12644.4	11861.3	10865.6	9665.1	8228.7
-45°	7884.9	8436.1	8768.5	8879.6	8768.5	8436.1	7884.9	7118.9	6143.7	4965.9	3739.5
-47.5°	3568.9	3688.6	3760.8	3784.9	3760.8	3688.6	3568.9	3402.3	3190.1	2933.4	2633.7
-50°	2516.8	2550.9	2571.4	2578.3	2571.4	2550.9	2516.8	2469.3	2408.7	2335.3	2249.5
-52.5°	2181.4	2193.4	2200.7	2203.1	2200.7	2193.4	2181.4	2164.6	2143.2	2117.3	2086.9
-55°	2014.2	2038.8	2053.6	2058.5	2053.6	2038.8	2014.2	1979.9	1936.1	1883.0	1820.8
-57.5°	1688.1	1714.1	1729.7	1734.9	1729.7	1714.1	1688.1	1651.9	1605.7	1549.5	1483.7
-60°	1322.4	1343.1	1355.5	1359.7	1355.5	1343.1	1322.4	1293.4	1256.5	1211.6	1158.9
-62.5°	1000.2	1016.3	1026.1	1029.3	1026.1	1016.3	1000.2	977.6	948.7	913.6	872.4
-65°	722.1	734.0	741.1	743.5	741.1	734.0	722.1	705.6	684.4	658.6	628.3
-67.5°	494.3	502.7	507.8	509.5	507.8	502.7	494.3	482.5	467.4	449.0	427.4
-70°	312.1	317.5	320.8	321.9	320.8	317.5	312.1	304.5	294.7	282.8	268.9
-72.5°	179.7	182.2	183.7	184.2	183.7	182.2	179.7	176.3	171.8	166.4	160.1
-75°	109.3	110.7	111.6	111.9	111.6	110.7	109.3	107.2	104.6	101.5	97.7
-77.5°	60.8	61.5	61.9	62.0	61.9	61.5	60.8	59.9	58.7	57.2	55.5
-80°	34.0	34.2	34.4	34.4	34.4	34.2	34.0	33.7	33.3	32.7	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: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	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°	31.5	30.7	29.9	28.9	27.9	26.8	25.7	24.4	23.1	21.9	20.9
77.5°	53.6	51.3	48.9	46.2	43.3	40.1	36.7	33.9	32.2	30.5	28.7
75°	93.5	88.6	83.3	77.4	71.0	64.2	59.1	54.8	50.2	45.4	40.4
72.5°	152.8	144.6	135.5	125.5	114.6	105.7	97.1	88.0	78.3	68.2	59.5
70°	252.9	234.9	214.9	193.0	176.4	163.0	148.6	133.4	117.4	104.0	91.8
67.5°	402.6	374.8	343.9	313.3	286.4	257.4	226.5	193.8	171.1	152.0	132.1
65°	593.6	554.7	511.5	473.2	432.1	388.0	341.0	299.3	260.7	220.3	181.0
62.5°	825.3	772.3	719.1	666.6	609.8	548.7	488.9	433.7	375.6	316.6	269.9
60°	1098.6	1030.9	966.0	895.3	818.8	738.0	666.6	591.0	511.5	444.3	374.8
57.5°	1408.4	1328.3	1246.2	1156.6	1059.8	966.0	870.6	769.9	678.5	587.8	496.7
55°	1749.7	1659.8	1558.0	1447.0	1331.2	1218.4	1098.6	979.9	865.2	745.4	643.1
52.5°	2044.7	1958.0	1862.5	1758.5	1632.3	1493.6	1348.1	1211.6	1068.5	934.2	800.3
50°	2183.4	2141.3	2095.0	2027.6	1906.5	1777.4	1625.6	1458.9	1293.4	1133.5	976.0
47.5°	2489.5	2371.3	2241.4	2163.6	2105.3	2024.2	1877.5	1721.5	1534.8	1343.1	1166.2
45°	3370.4	2959.3	2556.6	2404.9	2242.3	2151.6	2081.4	1945.1	1773.4	1573.1	1359.7
42.5°	6542.7	4669.3	3509.0	2984.6	2530.3	2345.5	2183.0	2104.6	1979.2	1790.2	1573.1
40°	10872.8	8976.7	6779.0	4404.0	3331.6	2697.2	2408.2	2198.9	2112.4	1979.2	1773.4
37.5°	14865.5	12965.1	10742.8	8320.5	5615.2	3542.7	2835.2	2429.2	2198.9	2104.6	1945.1
35°	18532.3	16542.8	14410.0	11944.3	9236.7	6227.7	3613.6	2835.2	2408.2	2183.0	2081.4
32.5°	22257.8	20056.0	17686.9	15247.3	12552.6	9533.0	6227.7	3542.7	2697.2	2345.5	2151.6
30°	26375.4	23689.6	20988.6	18280.5	15528.9	12552.6	9236.7	5615.2	3331.6	2530.3	2242.3
27.5°	31409.6	27541.2	24426.7	21302.7	18280.5	15247.3	11944.3	8320.5	4404.0	2984.6	2404.9
25°	37933.1	32483.2	28057.8	24426.7	20988.6	17686.9	14410.0	10742.8	6779.0	3509.0	2556.6
22.5°	45669.5	38801.4	32483.2	27541.2	23689.6	20056.0	16542.8	12965.1	8976.7	4669.3	2959.3
20°	53148.7	45669.5	37933.1	31409.6	26375.4	22257.8	18532.3	14865.5	10872.8	6542.7	3370.4
17.5°	60124.3	52167.2	43835.3	35365.2	29303.0	24514.7	20390.0	16518.3	12583.3	8228.7	3739.5
15°	66634.1	58076.2	49273.2	40288.8	32255.5	26546.1	22042.4	17985.5	14050.3	9665.1	4965.9
12.5°	73139.7	63307.0	54085.4	44607.5	35159.6	28605.1	23618.5	19302.9	15216.1	10865.6	6143.7
10°	78978.6	68053.5	58150.9	48325.8	38488.3	30587.1	24974.2	20400.1	16184.7	11861.3	7118.9
7.5°	84476.9	72154.4	61410.0	51297.8	41137.4	32159.2	26046.5	21265.9	16947.7	12644.4	7884.9
5°	88561.8	75177.7	63798.8	53466.7	43063.9	33299.3	26822.4	21891.4	17498.1	13208.5	8436.1
2.5°	91082.5	77032.5	65258.1	54787.3	44234.2	33990.6	27292.1	22269.5	17830.4	13548.9	8768.5
0°	91935.1	77657.9	65749.1	55230.9	44626.7	34222.2	27449.4	22396.0	17941.6	13662.7	8879.6
-2.5°	91082.5	77032.5	65258.1	54787.3	44234.2	33990.6	27292.1	22269.5	17830.4	13548.9	8768.5
-5°	88561.8	75177.7	63798.8	53466.7	43063.9	33299.3	26822.4	21891.4	17498.1	13208.5	8436.1
-7.5°	84476.9	72154.4	61410.0	51297.8	41137.4	32159.2	26046.5	21265.9	16947.7	12644.4	7884.9
-10°	78978.6	68053.5	58150.9	48325.8	38488.3	30587.1	24974.2	20400.1	16184.7	11861.3	7118.9
-12.5°	73139.7	63307.0	54085.4	44607.5	35159.6	28605.1	23618.5	19302.9	15216.1	10865.6	6143.7
-15°	66634.1	58076.2	49273.2	40288.8	32255.5	26546.1	22042.4	17985.5	14050.3	9665.1	4965.9
-17.5°	60124.3	52167.2	43835.3	35365.2	29303.0	24514.7	20390.0	16518.3	12583.3	8228.7	3739.5
-20°	53148.7	45669.5	37933.1	31409.6	26375.4	22257.8	18532.3	14865.5	10872.8	6542.7	3370.4



REPORT NUMBER: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	45669.5	38801.4	32483.2	27541.2	23689.6	20056.0	16542.8	12965.1	8976.7	4669.3	2959.3
-25°	37933.1	32483.2	28057.8	24426.7	20988.6	17686.9	14410.0	10742.8	6779.0	3509.0	2556.6
-27.5°	31409.6	27541.2	24426.7	21302.7	18280.5	15247.3	11944.3	8320.5	4404.0	2984.6	2404.9
-30°	26375.4	23689.6	20988.6	18280.5	15528.9	12552.6	9236.7	5615.2	3331.6	2530.3	2242.3
-32.5°	22257.8	20056.0	17686.9	15247.3	12552.6	9533.0	6227.7	3542.7	2697.2	2345.5	2151.6
-35°	18532.3	16542.8	14410.0	11944.3	9236.7	6227.7	3613.6	2835.2	2408.2	2183.0	2081.4
-37.5°	14865.5	12965.1	10742.8	8320.5	5615.2	3542.7	2835.2	2429.2	2198.9	2104.6	1945.1
-40°	10872.8	8976.7	6779.0	4404.0	3331.6	2697.2	2408.2	2198.9	2112.4	1979.2	1773.4
-42.5°	6542.7	4669.3	3509.0	2984.6	2530.3	2345.5	2183.0	2104.6	1979.2	1790.2	1573.1
-45°	3370.4	2959.3	2556.6	2404.9	2242.3	2151.6	2081.4	1945.1	1773.4	1573.1	1359.7
-47.5°	2489.5	2371.3	2241.4	2163.6	2105.3	2024.2	1877.5	1721.5	1534.8	1343.1	1166.2
-50°	2183.4	2141.3	2095.0	2027.6	1906.5	1777.4	1625.6	1458.9	1293.4	1133.5	976.0
-52.5°	2044.7	1958.0	1862.5	1758.5	1632.3	1493.6	1348.1	1211.6	1068.5	934.2	800.3
-55°	1749.7	1659.8	1558.0	1447.0	1331.2	1218.4	1098.6	979.9	865.2	745.4	643.1
-57.5°	1408.4	1328.3	1246.2	1156.6	1059.8	966.0	870.6	769.9	678.5	587.8	496.7
-60°	1098.6	1030.9	966.0	895.3	818.8	738.0	666.6	591.0	511.5	444.3	374.8
-62.5°	825.3	772.3	719.1	666.6	609.8	548.7	488.9	433.7	375.6	316.6	269.9
-65°	593.6	554.7	511.5	473.2	432.1	388.0	341.0	299.3	260.7	220.3	181.0
-67.5°	402.6	374.8	343.9	313.3	286.4	257.4	226.5	193.8	171.1	152.0	132.1
-70°	252.9	234.9	214.9	193.0	176.4	163.0	148.6	133.4	117.4	104.0	91.8
-72.5°	152.8	144.6	135.5	125.5	114.6	105.7	97.1	88.0	78.3	68.2	59.5
-75°	93.5	88.6	83.3	77.4	71.0	64.2	59.1	54.8	50.2	45.4	40.4
-77.5°	53.6	51.3	48.9	46.2	43.3	40.1	36.7	33.9	32.2	30.5	28.7
-80°	31.5	30.7	29.9	28.9	27.9	26.8	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: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	4.7	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°	35.2	32.4	29.9	27.4	24.8	22.2	20.2	18.2	16.2	14.1	12.3
72.5°	53.4	47.0	40.4	34.1	31.0	27.9	24.7	21.7	19.3	16.9	14.4
70°	79.2	66.0	56.7	48.9	40.9	33.7	30.0	26.3	22.5	19.7	16.9
67.5°	111.6	96.7	81.4	65.6	55.0	45.8	36.4	31.1	26.8	22.5	19.3
65°	157.9	134.0	110.1	92.5	74.5	58.7	48.2	37.6	31.1	26.3	21.7
62.5°	221.5	177.4	150.2	122.3	99.2	78.9	59.9	48.2	36.4	30.0	24.7
60°	307.7	252.9	196.4	160.1	128.8	101.5	78.9	58.7	45.8	33.7	27.9
57.5°	418.3	337.2	271.9	209.0	163.4	128.8	99.2	74.5	55.0	40.9	31.0
55°	537.5	444.6	354.7	278.2	209.0	160.1	122.3	92.5	65.6	48.9	34.1
52.5°	676.6	559.6	453.4	354.7	271.9	196.4	150.2	110.1	81.4	56.7	40.4
50°	827.9	687.8	559.6	444.6	337.2	252.9	177.4	134.0	96.7	66.0	47.0
47.5°	990.0	827.9	676.6	537.5	418.3	307.7	221.5	157.9	111.6	79.2	53.4
45°	1166.2	976.0	800.3	643.1	496.7	374.8	269.9	181.0	132.1	91.8	59.5
42.5°	1343.1	1133.5	934.2	745.4	587.8	444.3	316.6	220.3	152.0	104.0	68.2
40°	1534.8	1293.4	1068.5	865.2	678.5	511.5	375.6	260.7	171.1	117.4	78.3
37.5°	1721.5	1458.9	1211.6	979.9	769.9	591.0	433.7	299.3	193.8	133.4	88.0
35°	1877.5	1625.6	1348.1	1098.6	870.6	666.6	488.9	341.0	226.5	148.6	97.1
32.5°	2024.2	1777.4	1493.6	1218.4	966.0	738.0	548.7	388.0	257.4	163.0	105.7
30°	2105.3	1906.5	1632.3	1331.2	1059.8	818.8	609.8	432.1	286.4	176.4	114.6
27.5°	2163.6	2027.6	1758.5	1447.0	1156.6	895.3	666.6	473.2	313.3	193.0	125.5
25°	2241.4	2095.0	1862.5	1558.0	1246.2	966.0	719.1	511.5	343.9	214.9	135.5
22.5°	2371.3	2141.3	1958.0	1659.8	1328.3	1030.9	772.3	554.7	374.8	234.9	144.6
20°	2489.5	2183.4	2044.7	1749.7	1408.4	1098.6	825.3	593.6	402.6	252.9	152.8
17.5°	2633.7	2249.5	2086.9	1820.8	1483.7	1158.9	872.4	628.3	427.4	268.9	160.1
15°	2933.4	2335.3	2117.3	1883.0	1549.5	1211.6	913.6	658.6	449.0	282.8	166.4
12.5°	3190.1	2408.7	2143.2	1936.1	1605.7	1256.5	948.7	684.4	467.4	294.7	171.8
10°	3402.3	2469.3	2164.6	1979.9	1651.9	1293.4	977.6	705.6	482.5	304.5	176.3
7.5°	3568.9	2516.8	2181.4	2014.2	1688.1	1322.4	1000.2	722.1	494.3	312.1	179.7
5°	3688.6	2550.9	2193.4	2038.8	1714.1	1343.1	1016.3	734.0	502.7	317.5	182.2
2.5°	3760.8	2571.4	2200.7	2053.6	1729.7	1355.5	1026.1	741.1	507.8	320.8	183.7
0°	3784.9	2578.3	2203.1	2058.5	1734.9	1359.7	1029.3	743.5	509.5	321.9	184.2
-2.5°	3760.8	2571.4	2200.7	2053.6	1729.7	1355.5	1026.1	741.1	507.8	320.8	183.7
-5°	3688.6	2550.9	2193.4	2038.8	1714.1	1343.1	1016.3	734.0	502.7	317.5	182.2
-7.5°	3568.9	2516.8	2181.4	2014.2	1688.1	1322.4	1000.2	722.1	494.3	312.1	179.7
-10°	3402.3	2469.3	2164.6	1979.9	1651.9	1293.4	977.6	705.6	482.5	304.5	176.3
-12.5°	3190.1	2408.7	2143.2	1936.1	1605.7	1256.5	948.7	684.4	467.4	294.7	171.8
-15°	2933.4	2335.3	2117.3	1883.0	1549.5	1211.6	913.6	658.6	449.0	282.8	166.4
-17.5°	2633.7	2249.5	2086.9	1820.8	1483.7	1158.9	872.4	628.3	427.4	268.9	160.1
-20°	2489.5	2183.4	2044.7	1749.7	1408.4	1098.6	825.3	593.6	402.6	252.9	152.8



REPORT NUMBER: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	2371.3	2141.3	1958.0	1659.8	1328.3	1030.9	772.3	554.7	374.8	234.9	144.6
-25°	2241.4	2095.0	1862.5	1558.0	1246.2	966.0	719.1	511.5	343.9	214.9	135.5
-27.5°	2163.6	2027.6	1758.5	1447.0	1156.6	895.3	666.6	473.2	313.3	193.0	125.5
-30°	2105.3	1906.5	1632.3	1331.2	1059.8	818.8	609.8	432.1	286.4	176.4	114.6
-32.5°	2024.2	1777.4	1493.6	1218.4	966.0	738.0	548.7	388.0	257.4	163.0	105.7
-35°	1877.5	1625.6	1348.1	1098.6	870.6	666.6	488.9	341.0	226.5	148.6	97.1
-37.5°	1721.5	1458.9	1211.6	979.9	769.9	591.0	433.7	299.3	193.8	133.4	88.0
-40°	1534.8	1293.4	1068.5	865.2	678.5	511.5	375.6	260.7	171.1	117.4	78.3
-42.5°	1343.1	1133.5	934.2	745.4	587.8	444.3	316.6	220.3	152.0	104.0	68.2
-45°	1166.2	976.0	800.3	643.1	496.7	374.8	269.9	181.0	132.1	91.8	59.5
-47.5°	990.0	827.9	676.6	537.5	418.3	307.7	221.5	157.9	111.6	79.2	53.4
-50°	827.9	687.8	559.6	444.6	337.2	252.9	177.4	134.0	96.7	66.0	47.0
-52.5°	676.6	559.6	453.4	354.7	271.9	196.4	150.2	110.1	81.4	56.7	40.4
-55°	537.5	444.6	354.7	278.2	209.0	160.1	122.3	92.5	65.6	48.9	34.1
-57.5°	418.3	337.2	271.9	209.0	163.4	128.8	99.2	74.5	55.0	40.9	31.0
-60°	307.7	252.9	196.4	160.1	128.8	101.5	78.9	58.7	45.8	33.7	27.9
-62.5°	221.5	177.4	150.2	122.3	99.2	78.9	59.9	48.2	36.4	30.0	24.7
-65°	157.9	134.0	110.1	92.5	74.5	58.7	48.2	37.6	31.1	26.3	21.7
-67.5°	111.6	96.7	81.4	65.6	55.0	45.8	36.4	31.1	26.8	22.5	19.3
-70°	79.2	66.0	56.7	48.9	40.9	33.7	30.0	26.3	22.5	19.7	16.9
-72.5°	53.4	47.0	40.4	34.1	31.0	27.9	24.7	21.7	19.3	16.9	14.4
-75°	35.2	32.4	29.9	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: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	1.8	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°	29.9	22.7	17.5	12.6	8.4	4.2	0.0
50°	32.4	24.8	18.6	13.3	8.9	4.4	0.0
47.5°	35.2	26.8	19.8	14.0	9.3	4.7	0.0
45°	40.4	28.7	20.9	14.8	9.8	4.9	0.0
42.5°	45.4	30.5	21.9	15.6	10.2	5.1	0.0
40°	50.2	32.2	23.1	16.3	10.6	5.3	0.0
37.5°	54.8	33.9	24.4	17.0	10.9	5.5	0.0
35°	59.1	36.7	25.7	17.7	11.3	5.7	0.0
32.5°	64.2	40.1	26.8	18.3	11.6	5.8	0.0
30°	71.0	43.3	27.9	18.9	11.9	6.0	0.0
27.5°	77.4	46.2	28.9	19.5	12.2	6.1	0.0
25°	83.3	48.9	29.9	20.0	12.5	6.3	0.0
22.5°	88.6	51.3	30.7	20.4	12.7	6.4	0.0
20°	93.5	53.6	31.5	20.8	13.0	6.5	0.0
17.5°	97.7	55.5	32.2	21.2	13.2	6.6	0.0
15°	101.5	57.2	32.7	21.5	13.3	6.7	0.0
12.5°	104.6	58.7	33.3	21.8	13.5	6.7	0.0
10°	107.2	59.9	33.7	22.0	13.6	6.8	0.0
7.5°	109.3	60.8	34.0	22.2	13.7	6.8	0.0
5°	110.7	61.5	34.2	22.3	13.7	6.9	0.0
2.5°	111.6	61.9	34.4	22.4	13.8	6.9	0.0
0°	111.9	62.0	34.4	22.4	13.8	6.9	0.0
-2.5°	111.6	61.9	34.4	22.4	13.8	6.9	0.0
-5°	110.7	61.5	34.2	22.3	13.7	6.9	0.0
-7.5°	109.3	60.8	34.0	22.2	13.7	6.8	0.0
-10°	107.2	59.9	33.7	22.0	13.6	6.8	0.0
-12.5°	104.6	58.7	33.3	21.8	13.5	6.7	0.0
-15°	101.5	57.2	32.7	21.5	13.3	6.7	0.0
-17.5°	97.7	55.5	32.2	21.2	13.2	6.6	0.0
-20°	93.5	53.6	31.5	20.8	13.0	6.5	0.0



REPORT NUMBER: P1305447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	88.6	51.3	30.7	20.4	12.7	6.4	0.0
-25°	83.3	48.9	29.9	20.0	12.5	6.3	0.0
-27.5°	77.4	46.2	28.9	19.5	12.2	6.1	0.0
-30°	71.0	43.3	27.9	18.9	11.9	6.0	0.0
-32.5°	64.2	40.1	26.8	18.3	11.6	5.8	0.0
-35°	59.1	36.7	25.7	17.7	11.3	5.7	0.0
-37.5°	54.8	33.9	24.4	17.0	10.9	5.5	0.0
-40°	50.2	32.2	23.1	16.3	10.6	5.3	0.0
-42.5°	45.4	30.5	21.9	15.6	10.2	5.1	0.0
-45°	40.4	28.7	20.9	14.8	9.8	4.9	0.0
-47.5°	35.2	26.8	19.8	14.0	9.3	4.7	0.0
-50°	32.4	24.8	18.6	13.3	8.9	4.4	0.0
-52.5°	29.9	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)