

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: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-80-7F-HEG-A**

Issue Date: 2/3/2026

Test Information

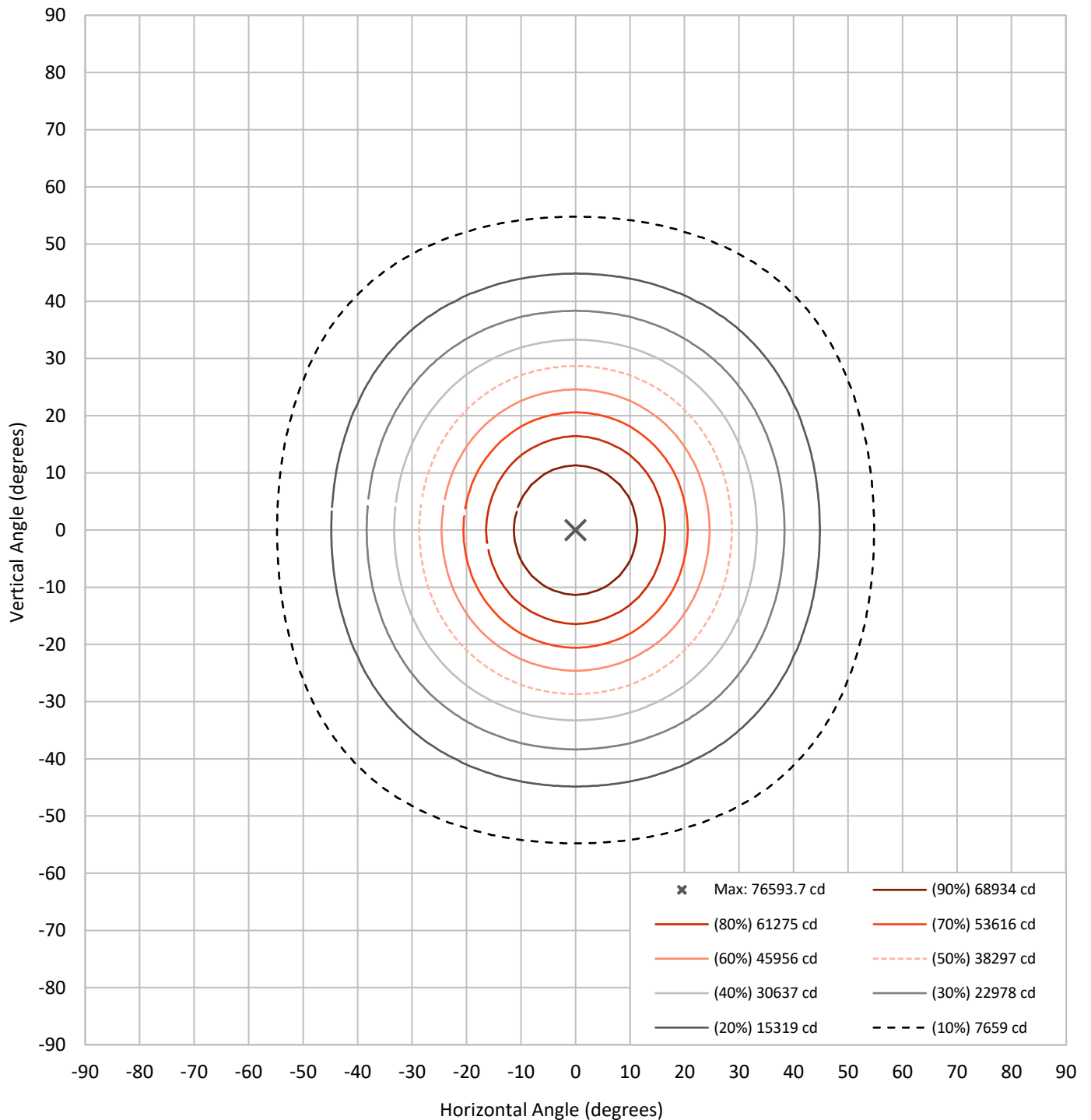
Test Method: LM-79-08
Report Number: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-57-80-7F-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	86420.9 lumens	Max Intensity:	76593.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	42562.3 lumens	Field Lumens:	78402.5 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
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





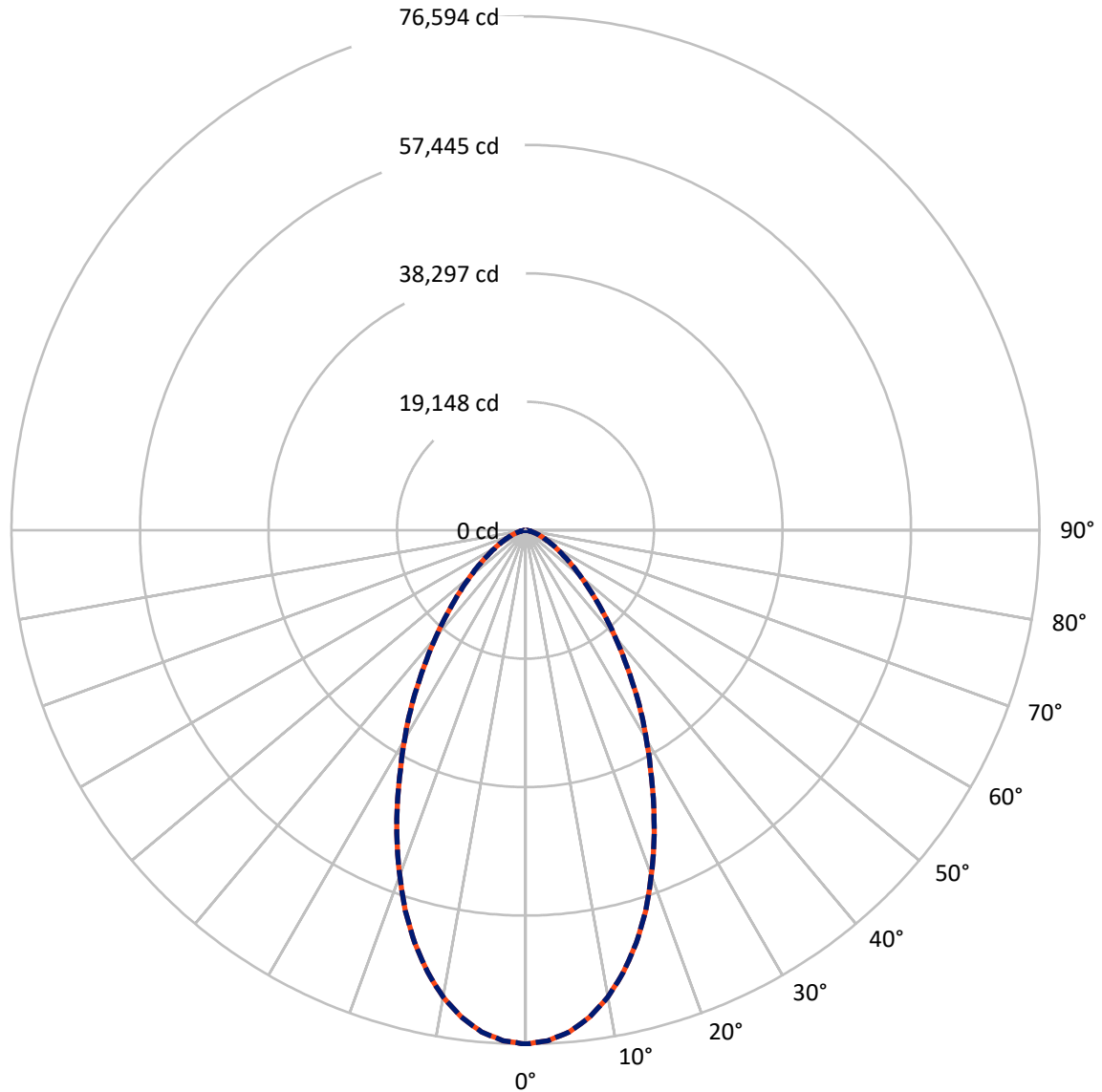
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Lumen Table

90																			
80	1.0	11.7		39.6		72.6		87.0		72.6		39.6		11.7		1.0			
70																			
60	5.6	7.6	19.1	36.1	56.8	78.0	95.8	105.7	105.7	95.8	78.0	56.8	36.1	19.1	7.6	5.6			
50		14.2	35.8	68.8	111.9	160.0	203.4	229.0	229.0	203.4	160.0	111.9	68.8	35.8	14.2				
40	13.1	22.0	56.1	112.9	195.8	297.6	395.5	456.4	456.4	395.5	297.6	195.8	112.9	56.1	22.0	13.1			
30		29.9	79.0	169.6	315.1	508.3	704.8	831.5	831.5	704.8	508.3	315.1	169.6	79.0	29.9				
20	19.9	37.2	102.4	233.6	460.6	779.7	1113.4	1335.7	1335.7	1113.4	779.7	460.6	233.6	102.4	37.2	19.9			
10		42.9	122.4	291.8	600.3	1046.4	1536.3	1866.6	1866.6	1536.3	1046.4	600.3	291.8	122.4	42.9				
0	22.5	45.9	133.7	326.8	687.2	1218.3	1811.3	2197.6	2197.6	1811.3	1218.3	687.2	326.8	133.7	45.9	22.5			
-10		45.9	133.7	326.8	687.2	1218.3	1811.3	2197.6	2197.6	1811.3	1218.3	687.2	326.8	133.7	45.9				
-20	19.9	42.9	122.4	291.8	600.3	1046.4	1536.3	1866.6	1866.6	1536.3	1046.4	600.3	291.8	122.4	42.9	19.9			
-30		37.2	102.4	233.6	460.6	779.7	1113.4	1335.7	1335.7	1113.4	779.7	460.6	233.6	102.4	37.2				
-40	13.1	29.9	79.0	169.6	315.1	508.3	704.8	831.5	831.5	704.8	508.3	315.1	169.6	79.0	29.9	13.1			
-50		22.0	56.1	112.9	195.8	297.6	395.5	456.4	456.4	395.5	297.6	195.8	112.9	56.1	22.0				
-60	5.6	14.2	35.8	68.8	111.9	160.0	203.4	229.0	229.0	203.4	160.0	111.9	68.8	35.8	14.2	5.6			
-70		7.6	19.1	36.1	56.8	78.0	95.8	105.7	105.7	95.8	78.0	56.8	36.1	19.1	7.6				
-80	1.0	11.7		39.6		72.6		87.0		72.6		39.6		11.7		1.0			
-90																			

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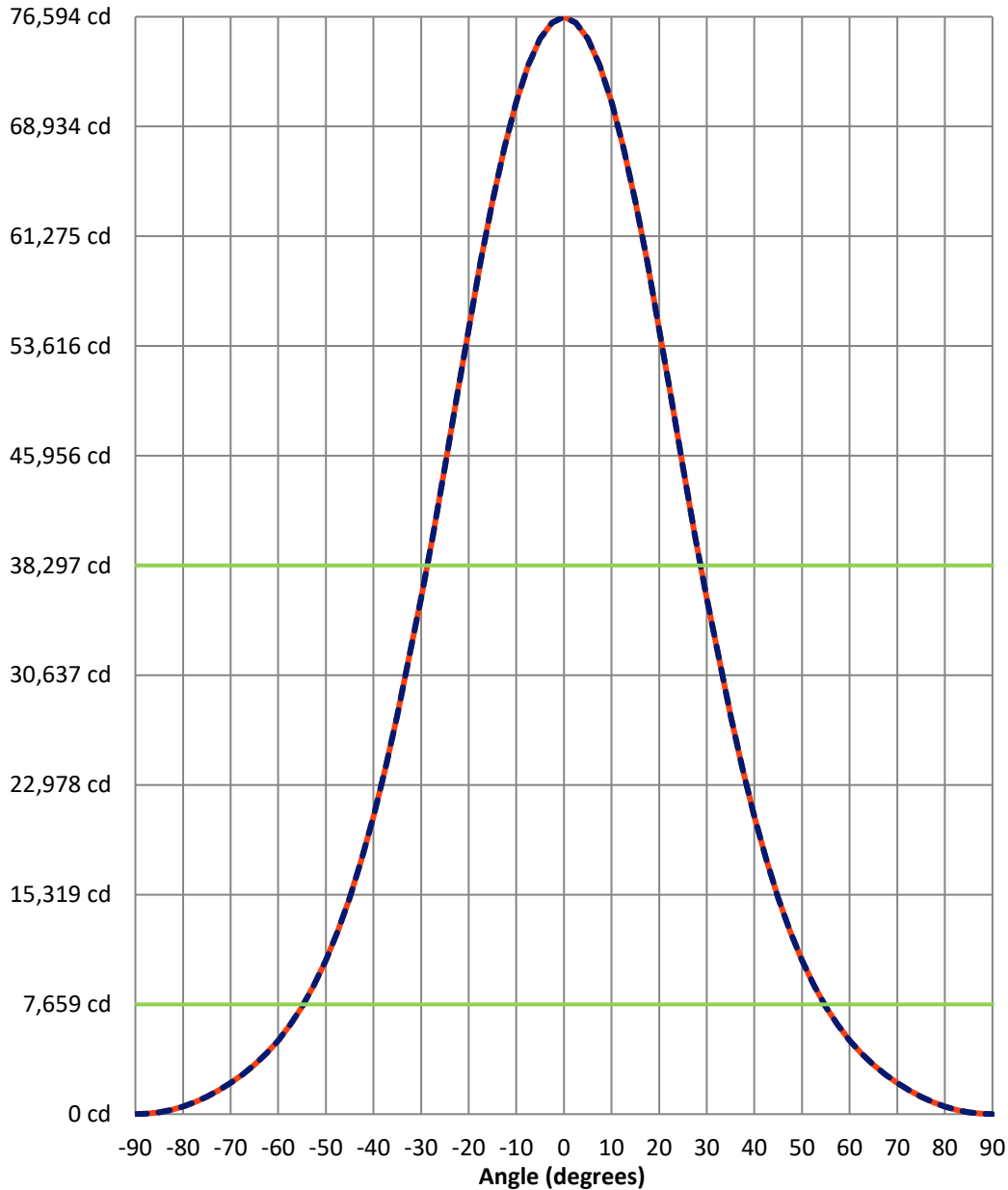
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 57.4°
 V Angle: 57.4°
 Lumens: 42562.3
 Efficiency: 49.2%

Field:
 H Angle: 109.4°
 V Angle: 109.4°
 Lumens: 78402.5
 Efficiency: 90.7%

Spill:
 Lumens: 8018.5
 Efficiency: 9.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-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	1.7	3.4	5.1	6.8	8.4	10.1	11.7	13.3	14.9	16.4
85°	0.0	3.4	6.8	10.1	13.5	16.8	20.1	23.4	26.6	29.7	32.8
82.5°	0.0	5.1	10.1	15.2	20.2	25.2	30.1	35.0	41.0	51.8	62.4
80°	0.0	6.8	13.5	20.2	26.9	33.5	41.6	56.4	71.0	85.4	99.6
77.5°	0.0	8.4	16.8	25.2	33.5	45.5	64.2	82.7	100.9	118.9	143.8
75°	0.0	10.1	20.1	30.1	41.6	64.2	86.5	108.7	132.8	172.0	210.6
72.5°	0.0	11.7	23.4	35.0	56.4	82.7	108.7	139.9	186.2	231.9	276.8
70°	0.0	13.3	26.6	41.0	71.0	100.9	132.8	186.2	239.0	291.7	367.5
67.5°	0.0	14.9	29.7	51.8	85.4	118.9	172.0	231.9	291.7	378.1	463.1
65°	0.0	16.4	32.8	62.4	99.6	143.8	210.6	276.8	367.5	463.1	565.2
62.5°	0.0	18.0	35.9	72.8	113.5	175.4	248.5	335.9	442.0	551.5	684.2
60°	0.0	19.4	38.9	83.0	127.0	206.3	285.5	399.8	514.9	656.8	800.9
57.5°	0.0	20.9	45.4	92.9	150.6	236.4	337.1	462.2	602.3	759.7	932.2
55°	0.0	22.3	51.9	102.6	174.1	265.8	389.2	523.1	691.6	865.1	1068.5
52.5°	0.0	23.7	58.1	112.0	196.9	296.5	439.9	597.2	778.5	984.5	1201.2
50°	0.0	25.0	64.2	121.1	219.0	337.4	489.0	670.8	868.2	1100.4	1352.8
47.5°	0.0	26.3	70.0	131.5	240.3	376.9	538.3	742.0	967.7	1212.5	1502.2
45°	0.0	27.5	75.6	146.9	260.7	414.8	596.9	810.4	1063.5	1341.5	1646.4
42.5°	0.0	28.7	81.0	161.5	280.3	451.1	653.0	884.6	1155.5	1465.8	1801.4
40°	0.0	29.8	86.1	175.6	303.5	485.8	706.7	961.3	1249.1	1584.8	1952.4
37.5°	0.0	30.9	90.9	188.9	329.9	518.8	757.7	1034.3	1349.5	1702.5	2096.5
35°	0.0	31.9	95.5	201.4	354.7	555.8	806.0	1103.4	1444.5	1824.8	2240.2
32.5°	0.0	32.8	99.8	213.2	378.1	593.5	854.3	1168.5	1534.0	1940.1	2386.7
30°	0.0	33.7	103.9	224.3	400.0	628.7	906.2	1232.1	1617.8	2048.1	2524.0
27.5°	0.0	34.5	107.6	234.5	420.2	661.4	954.4	1299.9	1699.7	2148.5	2651.8
25°	0.0	35.3	111.0	243.9	438.9	691.5	998.8	1362.3	1781.4	2249.4	2770.6
22.5°	0.0	35.9	114.2	252.5	455.9	718.9	1039.2	1419.1	1856.0	2345.5	2896.2
20°	0.0	36.6	117.0	260.2	471.2	743.6	1075.7	1470.4	1923.2	2432.2	3009.7
17.5°	0.0	37.1	119.5	267.1	484.8	765.6	1108.0	1516.0	1982.9	2509.3	3110.6
15°	0.0	37.6	121.6	273.0	496.6	784.7	1136.2	1555.7	2035.0	2576.5	3198.6
12.5°	0.0	38.0	123.5	278.1	506.6	800.9	1160.2	1589.4	2079.3	2633.7	3273.6
10°	0.0	38.3	125.0	282.3	514.9	814.2	1179.8	1617.1	2115.7	2680.8	3335.3
7.5°	0.0	38.6	126.2	285.5	521.3	824.6	1195.2	1638.8	2144.1	2717.5	3383.4
5°	0.0	38.8	127.0	287.8	525.9	832.0	1206.2	1654.3	2164.5	2743.8	3417.9
2.5°	0.0	38.9	127.5	289.2	528.7	836.5	1212.8	1663.6	2176.7	2759.6	3438.7
0°	0.0	38.9	127.7	289.7	529.6	838.0	1215.0	1666.7	2180.8	2764.9	3445.6
-2.5°	0.0	38.9	127.5	289.2	528.7	836.5	1212.8	1663.6	2176.7	2759.6	3438.7
-5°	0.0	38.8	127.0	287.8	525.9	832.0	1206.2	1654.3	2164.5	2743.8	3417.9
-7.5°	0.0	38.6	126.2	285.5	521.3	824.6	1195.2	1638.8	2144.1	2717.5	3383.4
-10°	0.0	38.3	125.0	282.3	514.9	814.2	1179.8	1617.1	2115.7	2680.8	3335.3
-12.5°	0.0	38.0	123.5	278.1	506.6	800.9	1160.2	1589.4	2079.3	2633.7	3273.6
-15°	0.0	37.6	121.6	273.0	496.6	784.7	1136.2	1555.7	2035.0	2576.5	3198.6
-17.5°	0.0	37.1	119.5	267.1	484.8	765.6	1108.0	1516.0	1982.9	2509.3	3110.6
-20°	0.0	36.6	117.0	260.2	471.2	743.6	1075.7	1470.4	1923.2	2432.2	3009.7



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 CATALOG NUMBER: EPH-08-640L-57-80-7F-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	35.9	114.2	252.5	455.9	718.9	1039.2	1419.1	1856.0	2345.5	2896.2
-25°	0.0	35.3	111.0	243.9	438.9	691.5	998.8	1362.3	1781.4	2249.4	2770.6
-27.5°	0.0	34.5	107.6	234.5	420.2	661.4	954.4	1299.9	1699.7	2148.5	2651.8
-30°	0.0	33.7	103.9	224.3	400.0	628.7	906.2	1232.1	1617.8	2048.1	2524.0
-32.5°	0.0	32.8	99.8	213.2	378.1	593.5	854.3	1168.5	1534.0	1940.1	2386.7
-35°	0.0	31.9	95.5	201.4	354.7	555.8	806.0	1103.4	1444.5	1824.8	2240.2
-37.5°	0.0	30.9	90.9	188.9	329.9	518.8	757.7	1034.3	1349.5	1702.5	2096.5
-40°	0.0	29.8	86.1	175.6	303.5	485.8	706.7	961.3	1249.1	1584.8	1952.4
-42.5°	0.0	28.7	81.0	161.5	280.3	451.1	653.0	884.6	1155.5	1465.8	1801.4
-45°	0.0	27.5	75.6	146.9	260.7	414.8	596.9	810.4	1063.5	1341.5	1646.4
-47.5°	0.0	26.3	70.0	131.5	240.3	376.9	538.3	742.0	967.7	1212.5	1502.2
-50°	0.0	25.0	64.2	121.1	219.0	337.4	489.0	670.8	868.2	1100.4	1352.8
-52.5°	0.0	23.7	58.1	112.0	196.9	296.5	439.9	597.2	778.5	984.5	1201.2
-55°	0.0	22.3	51.9	102.6	174.1	265.8	389.2	523.1	691.6	865.1	1068.5
-57.5°	0.0	20.9	45.4	92.9	150.6	236.4	337.1	462.2	602.3	759.7	932.2
-60°	0.0	19.4	38.9	83.0	127.0	206.3	285.5	399.8	514.9	656.8	800.9
-62.5°	0.0	18.0	35.9	72.8	113.5	175.4	248.5	335.9	442.0	551.5	684.2
-65°	0.0	16.4	32.8	62.4	99.6	143.8	210.6	276.8	367.5	463.1	565.2
-67.5°	0.0	14.9	29.7	51.8	85.4	118.9	172.0	231.9	291.7	378.1	463.1
-70°	0.0	13.3	26.6	41.0	71.0	100.9	132.8	186.2	239.0	291.7	367.5
-72.5°	0.0	11.7	23.4	35.0	56.4	82.7	108.7	139.9	186.2	231.9	276.8
-75°	0.0	10.1	20.1	30.1	41.6	64.2	86.5	108.7	132.8	172.0	210.6
-77.5°	0.0	8.4	16.8	25.2	33.5	45.5	64.2	82.7	100.9	118.9	143.8
-80°	0.0	6.8	13.5	20.2	26.9	33.5	41.6	56.4	71.0	85.4	99.6
-82.5°	0.0	5.1	10.1	15.2	20.2	25.2	30.1	35.0	41.0	51.8	62.4
-85°	0.0	3.4	6.8	10.1	13.5	16.8	20.1	23.4	26.6	29.7	32.8
-87.5°	0.0	1.7	3.4	5.1	6.8	8.4	10.1	11.7	13.3	14.9	16.4
-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-57-80-7F-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°	18.0	19.4	20.9	22.3	23.7	25.0	26.3	27.5	28.7	29.8	30.9
85°	35.9	38.9	45.4	51.9	58.1	64.2	70.0	75.6	81.0	86.1	90.9
82.5°	72.8	83.0	92.9	102.6	112.0	121.1	131.5	146.9	161.5	175.6	188.9
80°	113.5	127.0	150.6	174.1	196.9	219.0	240.3	260.7	280.3	303.5	329.9
77.5°	175.4	206.3	236.4	265.8	296.5	337.4	376.9	414.8	451.1	485.8	518.8
75°	248.5	285.5	337.1	389.2	439.9	489.0	538.3	596.9	653.0	706.7	757.7
72.5°	335.9	399.8	462.2	523.1	597.2	670.8	742.0	810.4	884.6	961.3	1034.3
70°	442.0	514.9	602.3	691.6	778.5	868.2	967.7	1063.5	1155.5	1249.1	1349.5
67.5°	551.5	656.8	759.7	865.1	984.5	1100.4	1212.5	1341.5	1465.8	1584.8	1702.5
65°	684.2	800.9	932.2	1068.5	1201.2	1352.8	1502.2	1646.4	1801.4	1952.4	2096.5
62.5°	814.6	966.0	1119.2	1279.7	1454.5	1624.4	1805.9	1986.8	2161.0	2347.9	2528.8
60°	966.0	1136.2	1320.5	1516.0	1712.1	1923.2	2127.9	2345.5	2562.0	2770.6	3001.9
57.5°	1119.2	1320.5	1536.5	1759.2	1994.1	2228.5	2480.8	2725.0	2992.8	3256.4	3518.3
55°	1279.7	1516.0	1759.2	2017.8	2282.8	2562.7	2846.4	3153.6	3450.9	3780.6	4096.4
52.5°	1454.5	1712.1	1994.1	2282.8	2590.1	2910.8	3250.9	3601.9	3970.6	4339.8	4731.5
50°	1624.4	1923.2	2228.5	2562.7	2910.8	3283.5	3677.9	4085.7	4517.8	4955.8	5428.1
47.5°	1805.9	2127.9	2480.8	2846.4	3250.9	3677.9	4124.2	4607.4	5091.8	5650.6	6197.6
45°	1986.8	2345.5	2725.0	3153.6	3601.9	4085.7	4607.4	5137.3	5762.7	6386.5	7052.6
42.5°	2161.0	2562.0	2992.8	3450.9	3970.6	4517.8	5091.8	5762.7	6451.7	7184.9	7975.5
40°	2347.9	2770.6	3256.4	3780.6	4339.8	4955.8	5650.6	6386.5	7184.9	8056.9	8962.1
37.5°	2528.8	3001.9	3518.3	4096.4	4731.5	5428.1	6197.6	7052.6	7975.5	8962.1	10049.5
35°	2700.6	3221.8	3795.6	4422.1	5105.4	5916.8	6790.1	7732.5	8796.3	9952.5	11169.1
32.5°	2879.1	3429.7	4058.0	4750.2	5529.8	6401.8	7359.6	8467.7	9663.3	10937.1	12358.3
30°	3056.5	3652.9	4315.8	5059.1	5936.4	6902.8	7982.2	9187.4	10515.8	12003.4	13598.7
27.5°	3221.8	3863.4	4580.9	5393.2	6328.5	7372.7	8592.7	9937.4	11420.2	13047.2	14830.3
25°	3374.6	4058.0	4826.3	5718.5	6731.9	7874.7	9183.4	10637.3	12301.6	14128.5	16135.1
22.5°	3524.9	4236.8	5051.2	6016.9	7102.5	8359.3	9782.5	11377.7	13168.0	15139.5	17387.9
20°	3670.7	4422.1	5280.0	6294.6	7438.9	8799.8	10327.8	12068.6	14020.9	16208.4	18619.3
17.5°	3800.5	4587.2	5500.6	6570.2	7790.3	9220.8	10830.4	12689.1	14788.5	17172.7	19770.9
15°	3913.9	4731.5	5693.6	6811.6	8108.1	9616.3	11334.0	13303.1	15527.6	18051.3	20795.7
12.5°	4010.5	4854.6	5858.2	7017.6	8379.8	9954.7	11765.5	13839.3	16204.4	18863.6	21789.9
10°	4090.0	4955.8	5993.8	7187.5	8603.9	10234.3	12122.4	14283.2	16765.7	19538.5	22617.9
7.5°	4152.1	5035.0	6099.9	7320.5	8779.4	10453.3	12402.3	14632.0	17207.1	20070.1	23271.3
5°	4196.6	5091.8	6175.9	7415.9	8905.4	10610.7	12603.6	14882.9	17525.2	20453.6	23743.3
2.5°	4223.4	5125.9	6221.7	7473.3	8981.3	10705.5	12724.9	15034.2	17717.0	20685.1	24028.6
0°	4232.3	5137.3	6237.0	7492.5	9006.6	10737.2	12765.4	15084.8	17781.2	20762.6	24124.1
-2.5°	4223.4	5125.9	6221.7	7473.3	8981.3	10705.5	12724.9	15034.2	17717.0	20685.1	24028.6
-5°	4196.6	5091.8	6175.9	7415.9	8905.4	10610.7	12603.6	14882.9	17525.2	20453.6	23743.3
-7.5°	4152.1	5035.0	6099.9	7320.5	8779.4	10453.3	12402.3	14632.0	17207.1	20070.1	23271.3
-10°	4090.0	4955.8	5993.8	7187.5	8603.9	10234.3	12122.4	14283.2	16765.7	19538.5	22617.9
-12.5°	4010.5	4854.6	5858.2	7017.6	8379.8	9954.7	11765.5	13839.3	16204.4	18863.6	21789.9
-15°	3913.9	4731.5	5693.6	6811.6	8108.1	9616.3	11334.0	13303.1	15527.6	18051.3	20795.7
-17.5°	3800.5	4587.2	5500.6	6570.2	7790.3	9220.8	10830.4	12689.1	14788.5	17172.7	19770.9
-20°	3670.7	4422.1	5280.0	6294.6	7438.9	8799.8	10327.8	12068.6	14020.9	16208.4	18619.3



REPORT NUMBER: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3524.9	4236.8	5051.2	6016.9	7102.5	8359.3	9782.5	11377.7	13168.0	15139.5	17387.9
-25°	3374.6	4058.0	4826.3	5718.5	6731.9	7874.7	9183.4	10637.3	12301.6	14128.5	16135.1
-27.5°	3221.8	3863.4	4580.9	5393.2	6328.5	7372.7	8592.7	9937.4	11420.2	13047.2	14830.3
-30°	3056.5	3652.9	4315.8	5059.1	5936.4	6902.8	7982.2	9187.4	10515.8	12003.4	13598.7
-32.5°	2879.1	3429.7	4058.0	4750.2	5529.8	6401.8	7359.6	8467.7	9663.3	10937.1	12358.3
-35°	2700.6	3221.8	3795.6	4422.1	5105.4	5916.8	6790.1	7732.5	8796.3	9952.5	11169.1
-37.5°	2528.8	3001.9	3518.3	4096.4	4731.5	5428.1	6197.6	7052.6	7975.5	8962.1	10049.5
-40°	2347.9	2770.6	3256.4	3780.6	4339.8	4955.8	5650.6	6386.5	7184.9	8056.9	8962.1
-42.5°	2161.0	2562.0	2992.8	3450.9	3970.6	4517.8	5091.8	5762.7	6451.7	7184.9	7975.5
-45°	1986.8	2345.5	2725.0	3153.6	3601.9	4085.7	4607.4	5137.3	5762.7	6386.5	7052.6
-47.5°	1805.9	2127.9	2480.8	2846.4	3250.9	3677.9	4124.2	4607.4	5091.8	5650.6	6197.6
-50°	1624.4	1923.2	2228.5	2562.7	2910.8	3283.5	3677.9	4085.7	4517.8	4955.8	5428.1
-52.5°	1454.5	1712.1	1994.1	2282.8	2590.1	2910.8	3250.9	3601.9	3970.6	4339.8	4731.5
-55°	1279.7	1516.0	1759.2	2017.8	2282.8	2562.7	2846.4	3153.6	3450.9	3780.6	4096.4
-57.5°	1119.2	1320.5	1536.5	1759.2	1994.1	2228.5	2480.8	2725.0	2992.8	3256.4	3518.3
-60°	966.0	1136.2	1320.5	1516.0	1712.1	1923.2	2127.9	2345.5	2562.0	2770.6	3001.9
-62.5°	814.6	966.0	1119.2	1279.7	1454.5	1624.4	1805.9	1986.8	2161.0	2347.9	2528.8
-65°	684.2	800.9	932.2	1068.5	1201.2	1352.8	1502.2	1646.4	1801.4	1952.4	2096.5
-67.5°	551.5	656.8	759.7	865.1	984.5	1100.4	1212.5	1341.5	1465.8	1584.8	1702.5
-70°	442.0	514.9	602.3	691.6	778.5	868.2	967.7	1063.5	1155.5	1249.1	1349.5
-72.5°	335.9	399.8	462.2	523.1	597.2	670.8	742.0	810.4	884.6	961.3	1034.3
-75°	248.5	285.5	337.1	389.2	439.9	489.0	538.3	596.9	653.0	706.7	757.7
-77.5°	175.4	206.3	236.4	265.8	296.5	337.4	376.9	414.8	451.1	485.8	518.8
-80°	113.5	127.0	150.6	174.1	196.9	219.0	240.3	260.7	280.3	303.5	329.9
-82.5°	72.8	83.0	92.9	102.6	112.0	121.1	131.5	146.9	161.5	175.6	188.9
-85°	35.9	38.9	45.4	51.9	58.1	64.2	70.0	75.6	81.0	86.1	90.9
-87.5°	18.0	19.4	20.9	22.3	23.7	25.0	26.3	27.5	28.7	29.8	30.9
-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: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-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°	31.9	32.8	33.7	34.5	35.3	35.9	36.6	37.1	37.6	38.0	38.3
85°	95.5	99.8	103.9	107.6	111.0	114.2	117.0	119.5	121.6	123.5	125.0
82.5°	201.4	213.2	224.3	234.5	243.9	252.5	260.2	267.1	273.0	278.1	282.3
80°	354.7	378.1	400.0	420.2	438.9	455.9	471.2	484.8	496.6	506.6	514.9
77.5°	555.8	593.5	628.7	661.4	691.5	718.9	743.6	765.6	784.7	800.9	814.2
75°	806.0	854.3	906.2	954.4	998.8	1039.2	1075.7	1108.0	1136.2	1160.2	1179.8
72.5°	1103.4	1168.5	1232.1	1299.9	1362.3	1419.1	1470.4	1516.0	1555.7	1589.4	1617.1
70°	1444.5	1534.0	1617.8	1699.7	1781.4	1856.0	1923.2	1982.9	2035.0	2079.3	2115.7
67.5°	1824.8	1940.1	2048.1	2148.5	2249.4	2345.5	2432.2	2509.3	2576.5	2633.7	2680.8
65°	2240.2	2386.7	2524.0	2651.8	2770.6	2896.2	3009.7	3110.6	3198.6	3273.6	3335.3
62.5°	2700.6	2879.1	3056.5	3221.8	3374.6	3524.9	3670.7	3800.5	3913.9	4010.5	4090.0
60°	3221.8	3429.7	3652.9	3863.4	4058.0	4236.8	4422.1	4587.2	4731.5	4854.6	4955.8
57.5°	3795.6	4058.0	4315.8	4580.9	4826.3	5051.2	5280.0	5500.6	5693.6	5858.2	5993.8
55°	4422.1	4750.2	5059.1	5393.2	5718.5	6016.9	6294.6	6570.2	6811.6	7017.6	7187.5
52.5°	5105.4	5529.8	5936.4	6328.5	6731.9	7102.5	7438.9	7790.3	8108.1	8379.8	8603.9
50°	5916.8	6401.8	6902.8	7372.7	7874.7	8359.3	8799.8	9220.8	9616.3	9954.7	10234.3
47.5°	6790.1	7359.6	7982.2	8592.7	9183.4	9782.5	10327.8	10830.4	11334.0	11765.5	12122.4
45°	7732.5	8467.7	9187.4	9937.4	10637.3	11377.7	12068.6	12689.1	13303.1	13839.3	14283.2
42.5°	8796.3	9663.3	10515.8	11420.2	12301.6	13168.0	14020.9	14788.5	15527.6	16204.4	16765.7
40°	9952.5	10937.1	12003.4	13047.2	14128.5	15139.5	16208.4	17172.7	18051.3	18863.6	19538.5
37.5°	11169.1	12358.3	13598.7	14830.3	16135.1	17387.9	18619.3	19770.9	20795.7	21789.9	22617.9
35°	12477.5	13877.5	15286.1	16812.5	18301.9	19787.9	21208.4	22610.3	23857.3	25021.3	26016.3
32.5°	13877.5	15453.2	17155.4	18885.3	20585.1	22358.2	24019.8	25679.1	27170.0	28532.0	29730.9
30°	15286.1	17155.4	19081.5	21018.3	23062.0	25073.5	27044.7	28954.2	30740.1	32297.3	33602.5
27.5°	16812.5	18885.3	21018.3	23299.0	25614.5	27888.5	30228.4	32377.9	34308.5	36001.9	37541.7
25°	18301.9	20585.1	23062.0	25614.5	28201.0	30877.8	33384.8	35699.1	37934.2	39927.6	41725.8
22.5°	19787.9	22358.2	25073.5	27888.5	30877.8	33725.2	36441.4	39133.0	41691.9	44063.1	46113.7
20°	21208.4	24019.8	27044.7	30228.4	33384.8	36441.4	39539.6	42620.4	45532.5	48196.0	50483.0
17.5°	22610.3	25679.1	28954.2	32377.9	35699.1	39133.0	42620.4	46041.6	49275.6	52141.4	54625.0
15°	23857.3	27170.0	30740.1	34308.5	37934.2	41691.9	45532.5	49275.6	52710.2	55845.7	58629.9
12.5°	25021.3	28532.0	32297.3	36001.9	39927.6	44063.1	48196.0	52141.4	55845.7	59306.1	62097.3
10°	26016.3	29730.9	33602.5	37541.7	41725.8	46113.7	50483.0	54625.0	58629.9	62097.3	65141.0
7.5°	26803.3	30681.8	34641.2	38772.9	43203.2	47792.6	52303.1	56679.7	60798.1	64433.5	67487.4
5°	27372.8	31371.5	35396.6	39671.3	44286.1	49030.4	53655.3	58222.7	62373.8	66119.4	69242.4
2.5°	27717.6	31789.6	35855.5	40218.4	44947.6	49789.8	54489.7	59182.6	63365.9	67124.5	70292.5
0°	27833.0	31929.7	36009.4	40402.1	45170.2	50045.8	54771.9	59508.8	63705.3	67456.2	70654.2
-2.5°	27717.6	31789.6	35855.5	40218.4	44947.6	49789.8	54489.7	59182.6	63365.9	67124.5	70292.5
-5°	27372.8	31371.5	35396.6	39671.3	44286.1	49030.4	53655.3	58222.7	62373.8	66119.4	69242.4
-7.5°	26803.3	30681.8	34641.2	38772.9	43203.2	47792.6	52303.1	56679.7	60798.1	64433.5	67487.4
-10°	26016.3	29730.9	33602.5	37541.7	41725.8	46113.7	50483.0	54625.0	58629.9	62097.3	65141.0
-12.5°	25021.3	28532.0	32297.3	36001.9	39927.6	44063.1	48196.0	52141.4	55845.7	59306.1	62097.3
-15°	23857.3	27170.0	30740.1	34308.5	37934.2	41691.9	45532.5	49275.6	52710.2	55845.7	58629.9
-17.5°	22610.3	25679.1	28954.2	32377.9	35699.1	39133.0	42620.4	46041.6	49275.6	52141.4	54625.0
-20°	21208.4	24019.8	27044.7	30228.4	33384.8	36441.4	39539.6	42620.4	45532.5	48196.0	50483.0



REPORT NUMBER: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	19787.9	22358.2	25073.5	27888.5	30877.8	33725.2	36441.4	39133.0	41691.9	44063.1	46113.7
-25°	18301.9	20585.1	23062.0	25614.5	28201.0	30877.8	33384.8	35699.1	37934.2	39927.6	41725.8
-27.5°	16812.5	18885.3	21018.3	23299.0	25614.5	27888.5	30228.4	32377.9	34308.5	36001.9	37541.7
-30°	15286.1	17155.4	19081.5	21018.3	23062.0	25073.5	27044.7	28954.2	30740.1	32297.3	33602.5
-32.5°	13877.5	15453.2	17155.4	18885.3	20585.1	22358.2	24019.8	25679.1	27170.0	28532.0	29730.9
-35°	12477.5	13877.5	15286.1	16812.5	18301.9	19787.9	21208.4	22610.3	23857.3	25021.3	26016.3
-37.5°	11169.1	12358.3	13598.7	14830.3	16135.1	17387.9	18619.3	19770.9	20795.7	21789.9	22617.9
-40°	9952.5	10937.1	12003.4	13047.2	14128.5	15139.5	16208.4	17172.7	18051.3	18863.6	19538.5
-42.5°	8796.3	9663.3	10515.8	11420.2	12301.6	13168.0	14020.9	14788.5	15527.6	16204.4	16765.7
-45°	7732.5	8467.7	9187.4	9937.4	10637.3	11377.7	12068.6	12689.1	13303.1	13839.3	14283.2
-47.5°	6790.1	7359.6	7982.2	8592.7	9183.4	9782.5	10327.8	10830.4	11334.0	11765.5	12122.4
-50°	5916.8	6401.8	6902.8	7372.7	7874.7	8359.3	8799.8	9220.8	9616.3	9954.7	10234.3
-52.5°	5105.4	5529.8	5936.4	6328.5	6731.9	7102.5	7438.9	7790.3	8108.1	8379.8	8603.9
-55°	4422.1	4750.2	5059.1	5393.2	5718.5	6016.9	6294.6	6570.2	6811.6	7017.6	7187.5
-57.5°	3795.6	4058.0	4315.8	4580.9	4826.3	5051.2	5280.0	5500.6	5693.6	5858.2	5993.8
-60°	3221.8	3429.7	3652.9	3863.4	4058.0	4236.8	4422.1	4587.2	4731.5	4854.6	4955.8
-62.5°	2700.6	2879.1	3056.5	3221.8	3374.6	3524.9	3670.7	3800.5	3913.9	4010.5	4090.0
-65°	2240.2	2386.7	2524.0	2651.8	2770.6	2896.2	3009.7	3110.6	3198.6	3273.6	3335.3
-67.5°	1824.8	1940.1	2048.1	2148.5	2249.4	2345.5	2432.2	2509.3	2576.5	2633.7	2680.8
-70°	1444.5	1534.0	1617.8	1699.7	1781.4	1856.0	1923.2	1982.9	2035.0	2079.3	2115.7
-72.5°	1103.4	1168.5	1232.1	1299.9	1362.3	1419.1	1470.4	1516.0	1555.7	1589.4	1617.1
-75°	806.0	854.3	906.2	954.4	998.8	1039.2	1075.7	1108.0	1136.2	1160.2	1179.8
-77.5°	555.8	593.5	628.7	661.4	691.5	718.9	743.6	765.6	784.7	800.9	814.2
-80°	354.7	378.1	400.0	420.2	438.9	455.9	471.2	484.8	496.6	506.6	514.9
-82.5°	201.4	213.2	224.3	234.5	243.9	252.5	260.2	267.1	273.0	278.1	282.3
-85°	95.5	99.8	103.9	107.6	111.0	114.2	117.0	119.5	121.6	123.5	125.0
-87.5°	31.9	32.8	33.7	34.5	35.3	35.9	36.6	37.1	37.6	38.0	38.3
-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: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-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°	38.6	38.8	38.9	38.9	38.9	38.8	38.6	38.3	38.0	37.6	37.1
85°	126.2	127.0	127.5	127.7	127.5	127.0	126.2	125.0	123.5	121.6	119.5
82.5°	285.5	287.8	289.2	289.7	289.2	287.8	285.5	282.3	278.1	273.0	267.1
80°	521.3	525.9	528.7	529.6	528.7	525.9	521.3	514.9	506.6	496.6	484.8
77.5°	824.6	832.0	836.5	838.0	836.5	832.0	824.6	814.2	800.9	784.7	765.6
75°	1195.2	1206.2	1212.8	1215.0	1212.8	1206.2	1195.2	1179.8	1160.2	1136.2	1108.0
72.5°	1638.8	1654.3	1663.6	1666.7	1663.6	1654.3	1638.8	1617.1	1589.4	1555.7	1516.0
70°	2144.1	2164.5	2176.7	2180.8	2176.7	2164.5	2144.1	2115.7	2079.3	2035.0	1982.9
67.5°	2717.5	2743.8	2759.6	2764.9	2759.6	2743.8	2717.5	2680.8	2633.7	2576.5	2509.3
65°	3383.4	3417.9	3438.7	3445.6	3438.7	3417.9	3383.4	3335.3	3273.6	3198.6	3110.6
62.5°	4152.1	4196.6	4223.4	4232.3	4223.4	4196.6	4152.1	4090.0	4010.5	3913.9	3800.5
60°	5035.0	5091.8	5125.9	5137.3	5125.9	5091.8	5035.0	4955.8	4854.6	4731.5	4587.2
57.5°	6099.9	6175.9	6221.7	6237.0	6221.7	6175.9	6099.9	5993.8	5858.2	5693.6	5500.6
55°	7320.5	7415.9	7473.3	7492.5	7473.3	7415.9	7320.5	7187.5	7017.6	6811.6	6570.2
52.5°	8779.4	8905.4	8981.3	9006.6	8981.3	8905.4	8779.4	8603.9	8379.8	8108.1	7790.3
50°	10453.3	10610.7	10705.5	10737.2	10705.5	10610.7	10453.3	10234.3	9954.7	9616.3	9220.8
47.5°	12402.3	12603.6	12724.9	12765.4	12724.9	12603.6	12402.3	12122.4	11765.5	11334.0	10830.4
45°	14632.0	14882.9	15034.2	15084.8	15034.2	14882.9	14632.0	14283.2	13839.3	13303.1	12689.1
42.5°	17207.1	17525.2	17717.0	17781.2	17717.0	17525.2	17207.1	16765.7	16204.4	15527.6	14788.5
40°	20070.1	20453.6	20685.1	20762.6	20685.1	20453.6	20070.1	19538.5	18863.6	18051.3	17172.7
37.5°	23271.3	23743.3	24028.6	24124.1	24028.6	23743.3	23271.3	22617.9	21789.9	20795.7	19770.9
35°	26803.3	27372.8	27717.6	27833.0	27717.6	27372.8	26803.3	26016.3	25021.3	23857.3	22610.3
32.5°	30681.8	31371.5	31789.6	31929.7	31789.6	31371.5	30681.8	29730.9	28532.0	27170.0	25679.1
30°	34641.2	35396.6	35855.5	36009.4	35855.5	35396.6	34641.2	33602.5	32297.3	30740.1	28954.2
27.5°	38772.9	39671.3	40218.4	40402.1	40218.4	39671.3	38772.9	37541.7	36001.9	34308.5	32377.9
25°	43203.2	44286.1	44947.6	45170.2	44947.6	44286.1	43203.2	41725.8	39927.6	37934.2	35699.1
22.5°	47792.6	49030.4	49789.8	50045.8	49789.8	49030.4	47792.6	46113.7	44063.1	41691.9	39133.0
20°	52303.1	53655.3	54489.7	54771.9	54489.7	53655.3	52303.1	50483.0	48196.0	45532.5	42620.4
17.5°	56679.7	58222.7	59182.6	59508.8	59182.6	58222.7	56679.7	54625.0	52141.4	49275.6	46041.6
15°	60798.1	62373.8	63365.9	63705.3	63365.9	62373.8	60798.1	58629.9	55845.7	52710.2	49275.6
12.5°	64433.5	66119.4	67124.5	67456.2	67124.5	66119.4	64433.5	62097.3	59306.1	55845.7	52141.4
10°	67487.4	69242.4	70292.5	70654.2	70292.5	69242.4	67487.4	65141.0	62097.3	58629.9	54625.0
7.5°	69952.2	71739.6	72850.5	73208.1	72850.5	71739.6	69952.2	67487.4	64433.5	60798.1	56679.7
5°	71739.6	73592.2	74667.5	75065.6	74667.5	73592.2	71739.6	69242.4	66119.4	62373.8	58222.7
2.5°	72850.5	74667.5	75787.5	76167.7	75787.5	74667.5	72850.5	70292.5	67124.5	63365.9	59182.6
0°	73208.1	75065.6	76167.7	76593.7	76167.7	75065.6	73208.1	70654.2	67456.2	63705.3	59508.8
-2.5°	72850.5	74667.5	75787.5	76167.7	75787.5	74667.5	72850.5	70292.5	67124.5	63365.9	59182.6
-5°	71739.6	73592.2	74667.5	75065.6	74667.5	73592.2	71739.6	69242.4	66119.4	62373.8	58222.7
-7.5°	69952.2	71739.6	72850.5	73208.1	72850.5	71739.6	69952.2	67487.4	64433.5	60798.1	56679.7
-10°	67487.4	69242.4	70292.5	70654.2	70292.5	69242.4	67487.4	65141.0	62097.3	58629.9	54625.0
-12.5°	64433.5	66119.4	67124.5	67456.2	67124.5	66119.4	64433.5	62097.3	59306.1	55845.7	52141.4
-15°	60798.1	62373.8	63365.9	63705.3	63365.9	62373.8	60798.1	58629.9	55845.7	52710.2	49275.6
-17.5°	56679.7	58222.7	59182.6	59508.8	59182.6	58222.7	56679.7	54625.0	52141.4	49275.6	46041.6
-20°	52303.1	53655.3	54489.7	54771.9	54489.7	53655.3	52303.1	50483.0	48196.0	45532.5	42620.4



REPORT NUMBER: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	47792.6	49030.4	49789.8	50045.8	49789.8	49030.4	47792.6	46113.7	44063.1	41691.9	39133.0
-25°	43203.2	44286.1	44947.6	45170.2	44947.6	44286.1	43203.2	41725.8	39927.6	37934.2	35699.1
-27.5°	38772.9	39671.3	40218.4	40402.1	40218.4	39671.3	38772.9	37541.7	36001.9	34308.5	32377.9
-30°	34641.2	35396.6	35855.5	36009.4	35855.5	35396.6	34641.2	33602.5	32297.3	30740.1	28954.2
-32.5°	30681.8	31371.5	31789.6	31929.7	31789.6	31371.5	30681.8	29730.9	28532.0	27170.0	25679.1
-35°	26803.3	27372.8	27717.6	27833.0	27717.6	27372.8	26803.3	26016.3	25021.3	23857.3	22610.3
-37.5°	23271.3	23743.3	24028.6	24124.1	24028.6	23743.3	23271.3	22617.9	21789.9	20795.7	19770.9
-40°	20070.1	20453.6	20685.1	20762.6	20685.1	20453.6	20070.1	19538.5	18863.6	18051.3	17172.7
-42.5°	17207.1	17525.2	17717.0	17781.2	17717.0	17525.2	17207.1	16765.7	16204.4	15527.6	14788.5
-45°	14632.0	14882.9	15034.2	15084.8	15034.2	14882.9	14632.0	14283.2	13839.3	13303.1	12689.1
-47.5°	12402.3	12603.6	12724.9	12765.4	12724.9	12603.6	12402.3	12122.4	11765.5	11334.0	10830.4
-50°	10453.3	10610.7	10705.5	10737.2	10705.5	10610.7	10453.3	10234.3	9954.7	9616.3	9220.8
-52.5°	8779.4	8905.4	8981.3	9006.6	8981.3	8905.4	8779.4	8603.9	8379.8	8108.1	7790.3
-55°	7320.5	7415.9	7473.3	7492.5	7473.3	7415.9	7320.5	7187.5	7017.6	6811.6	6570.2
-57.5°	6099.9	6175.9	6221.7	6237.0	6221.7	6175.9	6099.9	5993.8	5858.2	5693.6	5500.6
-60°	5035.0	5091.8	5125.9	5137.3	5125.9	5091.8	5035.0	4955.8	4854.6	4731.5	4587.2
-62.5°	4152.1	4196.6	4223.4	4232.3	4223.4	4196.6	4152.1	4090.0	4010.5	3913.9	3800.5
-65°	3383.4	3417.9	3438.7	3445.6	3438.7	3417.9	3383.4	3335.3	3273.6	3198.6	3110.6
-67.5°	2717.5	2743.8	2759.6	2764.9	2759.6	2743.8	2717.5	2680.8	2633.7	2576.5	2509.3
-70°	2144.1	2164.5	2176.7	2180.8	2176.7	2164.5	2144.1	2115.7	2079.3	2035.0	1982.9
-72.5°	1638.8	1654.3	1663.6	1666.7	1663.6	1654.3	1638.8	1617.1	1589.4	1555.7	1516.0
-75°	1195.2	1206.2	1212.8	1215.0	1212.8	1206.2	1195.2	1179.8	1160.2	1136.2	1108.0
-77.5°	824.6	832.0	836.5	838.0	836.5	832.0	824.6	814.2	800.9	784.7	765.6
-80°	521.3	525.9	528.7	529.6	528.7	525.9	521.3	514.9	506.6	496.6	484.8
-82.5°	285.5	287.8	289.2	289.7	289.2	287.8	285.5	282.3	278.1	273.0	267.1
-85°	126.2	127.0	127.5	127.7	127.5	127.0	126.2	125.0	123.5	121.6	119.5
-87.5°	38.6	38.8	38.9	38.9	38.9	38.8	38.6	38.3	38.0	37.6	37.1
-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: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-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°	36.6	35.9	35.3	34.5	33.7	32.8	31.9	30.9	29.8	28.7	27.5
85°	117.0	114.2	111.0	107.6	103.9	99.8	95.5	90.9	86.1	81.0	75.6
82.5°	260.2	252.5	243.9	234.5	224.3	213.2	201.4	188.9	175.6	161.5	146.9
80°	471.2	455.9	438.9	420.2	400.0	378.1	354.7	329.9	303.5	280.3	260.7
77.5°	743.6	718.9	691.5	661.4	628.7	593.5	555.8	518.8	485.8	451.1	414.8
75°	1075.7	1039.2	998.8	954.4	906.2	854.3	806.0	757.7	706.7	653.0	596.9
72.5°	1470.4	1419.1	1362.3	1299.9	1232.1	1168.5	1103.4	1034.3	961.3	884.6	810.4
70°	1923.2	1856.0	1781.4	1699.7	1617.8	1534.0	1444.5	1349.5	1249.1	1155.5	1063.5
67.5°	2432.2	2345.5	2249.4	2148.5	2048.1	1940.1	1824.8	1702.5	1584.8	1465.8	1341.5
65°	3009.7	2896.2	2770.6	2651.8	2524.0	2386.7	2240.2	2096.5	1952.4	1801.4	1646.4
62.5°	3670.7	3524.9	3374.6	3221.8	3056.5	2879.1	2700.6	2528.8	2347.9	2161.0	1986.8
60°	4422.1	4236.8	4058.0	3863.4	3652.9	3429.7	3221.8	3001.9	2770.6	2562.0	2345.5
57.5°	5280.0	5051.2	4826.3	4580.9	4315.8	4058.0	3795.6	3518.3	3256.4	2992.8	2725.0
55°	6294.6	6016.9	5718.5	5393.2	5059.1	4750.2	4422.1	4096.4	3780.6	3450.9	3153.6
52.5°	7438.9	7102.5	6731.9	6328.5	5936.4	5529.8	5105.4	4731.5	4339.8	3970.6	3601.9
50°	8799.8	8359.3	7874.7	7372.7	6902.8	6401.8	5916.8	5428.1	4955.8	4517.8	4085.7
47.5°	10327.8	9782.5	9183.4	8592.7	7982.2	7359.6	6790.1	6197.6	5650.6	5091.8	4607.4
45°	12068.6	11377.7	10637.3	9937.4	9187.4	8467.7	7732.5	7052.6	6386.5	5762.7	5137.3
42.5°	14020.9	13168.0	12301.6	11420.2	10515.8	9663.3	8796.3	7975.5	7184.9	6451.7	5762.7
40°	16208.4	15139.5	14128.5	13047.2	12003.4	10937.1	9952.5	8962.1	8056.9	7184.9	6386.5
37.5°	18619.3	17387.9	16135.1	14830.3	13598.7	12358.3	11169.1	10049.5	8962.1	7975.5	7052.6
35°	21208.4	19787.9	18301.9	16812.5	15286.1	13877.5	12477.5	11169.1	9952.5	8796.3	7732.5
32.5°	24019.8	22358.2	20585.1	18885.3	17155.4	15453.2	13877.5	12358.3	10937.1	9663.3	8467.7
30°	27044.7	25073.5	23062.0	21018.3	19081.5	17155.4	15286.1	13598.7	12003.4	10515.8	9187.4
27.5°	30228.4	27888.5	25614.5	23299.0	21018.3	18885.3	16812.5	14830.3	13047.2	11420.2	9937.4
25°	33384.8	30877.8	28201.0	25614.5	23062.0	20585.1	18301.9	16135.1	14128.5	12301.6	10637.3
22.5°	36441.4	33725.2	30877.8	27888.5	25073.5	22358.2	19787.9	17387.9	15139.5	13168.0	11377.7
20°	39539.6	36441.4	33384.8	30228.4	27044.7	24019.8	21208.4	18619.3	16208.4	14020.9	12068.6
17.5°	42620.4	39133.0	35699.1	32377.9	28954.2	25679.1	22610.3	19770.9	17172.7	14788.5	12689.1
15°	45532.5	41691.9	37934.2	34308.5	30740.1	27170.0	23857.3	20795.7	18051.3	15527.6	13303.1
12.5°	48196.0	44063.1	39927.6	36001.9	32297.3	28532.0	25021.3	21789.9	18863.6	16204.4	13839.3
10°	50483.0	46113.7	41725.8	37541.7	33602.5	29730.9	26016.3	22617.9	19538.5	16765.7	14283.2
7.5°	52303.1	47792.6	43203.2	38772.9	34641.2	30681.8	26803.3	23271.3	20070.1	17207.1	14632.0
5°	53655.3	49030.4	44286.1	39671.3	35396.6	31371.5	27372.8	23743.3	20453.6	17525.2	14882.9
2.5°	54489.7	49789.8	44947.6	40218.4	35855.5	31789.6	27717.6	24028.6	20685.1	17717.0	15034.2
0°	54771.9	50045.8	45170.2	40402.1	36009.4	31929.7	27833.0	24124.1	20762.6	17781.2	15084.8
-2.5°	54489.7	49789.8	44947.6	40218.4	35855.5	31789.6	27717.6	24028.6	20685.1	17717.0	15034.2
-5°	53655.3	49030.4	44286.1	39671.3	35396.6	31371.5	27372.8	23743.3	20453.6	17525.2	14882.9
-7.5°	52303.1	47792.6	43203.2	38772.9	34641.2	30681.8	26803.3	23271.3	20070.1	17207.1	14632.0
-10°	50483.0	46113.7	41725.8	37541.7	33602.5	29730.9	26016.3	22617.9	19538.5	16765.7	14283.2
-12.5°	48196.0	44063.1	39927.6	36001.9	32297.3	28532.0	25021.3	21789.9	18863.6	16204.4	13839.3
-15°	45532.5	41691.9	37934.2	34308.5	30740.1	27170.0	23857.3	20795.7	18051.3	15527.6	13303.1
-17.5°	42620.4	39133.0	35699.1	32377.9	28954.2	25679.1	22610.3	19770.9	17172.7	14788.5	12689.1
-20°	39539.6	36441.4	33384.8	30228.4	27044.7	24019.8	21208.4	18619.3	16208.4	14020.9	12068.6



REPORT NUMBER: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	36441.4	33725.2	30877.8	27888.5	25073.5	22358.2	19787.9	17387.9	15139.5	13168.0	11377.7
-25°	33384.8	30877.8	28201.0	25614.5	23062.0	20585.1	18301.9	16135.1	14128.5	12301.6	10637.3
-27.5°	30228.4	27888.5	25614.5	23299.0	21018.3	18885.3	16812.5	14830.3	13047.2	11420.2	9937.4
-30°	27044.7	25073.5	23062.0	21018.3	19081.5	17155.4	15286.1	13598.7	12003.4	10515.8	9187.4
-32.5°	24019.8	22358.2	20585.1	18885.3	17155.4	15453.2	13877.5	12358.3	10937.1	9663.3	8467.7
-35°	21208.4	19787.9	18301.9	16812.5	15286.1	13877.5	12477.5	11169.1	9952.5	8796.3	7732.5
-37.5°	18619.3	17387.9	16135.1	14830.3	13598.7	12358.3	11169.1	10049.5	8962.1	7975.5	7052.6
-40°	16208.4	15139.5	14128.5	13047.2	12003.4	10937.1	9952.5	8962.1	8056.9	7184.9	6386.5
-42.5°	14020.9	13168.0	12301.6	11420.2	10515.8	9663.3	8796.3	7975.5	7184.9	6451.7	5762.7
-45°	12068.6	11377.7	10637.3	9937.4	9187.4	8467.7	7732.5	7052.6	6386.5	5762.7	5137.3
-47.5°	10327.8	9782.5	9183.4	8592.7	7982.2	7359.6	6790.1	6197.6	5650.6	5091.8	4607.4
-50°	8799.8	8359.3	7874.7	7372.7	6902.8	6401.8	5916.8	5428.1	4955.8	4517.8	4085.7
-52.5°	7438.9	7102.5	6731.9	6328.5	5936.4	5529.8	5105.4	4731.5	4339.8	3970.6	3601.9
-55°	6294.6	6016.9	5718.5	5393.2	5059.1	4750.2	4422.1	4096.4	3780.6	3450.9	3153.6
-57.5°	5280.0	5051.2	4826.3	4580.9	4315.8	4058.0	3795.6	3518.3	3256.4	2992.8	2725.0
-60°	4422.1	4236.8	4058.0	3863.4	3652.9	3429.7	3221.8	3001.9	2770.6	2562.0	2345.5
-62.5°	3670.7	3524.9	3374.6	3221.8	3056.5	2879.1	2700.6	2528.8	2347.9	2161.0	1986.8
-65°	3009.7	2896.2	2770.6	2651.8	2524.0	2386.7	2240.2	2096.5	1952.4	1801.4	1646.4
-67.5°	2432.2	2345.5	2249.4	2148.5	2048.1	1940.1	1824.8	1702.5	1584.8	1465.8	1341.5
-70°	1923.2	1856.0	1781.4	1699.7	1617.8	1534.0	1444.5	1349.5	1249.1	1155.5	1063.5
-72.5°	1470.4	1419.1	1362.3	1299.9	1232.1	1168.5	1103.4	1034.3	961.3	884.6	810.4
-75°	1075.7	1039.2	998.8	954.4	906.2	854.3	806.0	757.7	706.7	653.0	596.9
-77.5°	743.6	718.9	691.5	661.4	628.7	593.5	555.8	518.8	485.8	451.1	414.8
-80°	471.2	455.9	438.9	420.2	400.0	378.1	354.7	329.9	303.5	280.3	260.7
-82.5°	260.2	252.5	243.9	234.5	224.3	213.2	201.4	188.9	175.6	161.5	146.9
-85°	117.0	114.2	111.0	107.6	103.9	99.8	95.5	90.9	86.1	81.0	75.6
-87.5°	36.6	35.9	35.3	34.5	33.7	32.8	31.9	30.9	29.8	28.7	27.5
-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: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-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°	26.3	25.0	23.7	22.3	20.9	19.4	18.0	16.4	14.9	13.3	11.7
85°	70.0	64.2	58.1	51.9	45.4	38.9	35.9	32.8	29.7	26.6	23.4
82.5°	131.5	121.1	112.0	102.6	92.9	83.0	72.8	62.4	51.8	41.0	35.0
80°	240.3	219.0	196.9	174.1	150.6	127.0	113.5	99.6	85.4	71.0	56.4
77.5°	376.9	337.4	296.5	265.8	236.4	206.3	175.4	143.8	118.9	100.9	82.7
75°	538.3	489.0	439.9	389.2	337.1	285.5	248.5	210.6	172.0	132.8	108.7
72.5°	742.0	670.8	597.2	523.1	462.2	399.8	335.9	276.8	231.9	186.2	139.9
70°	967.7	868.2	778.5	691.6	602.3	514.9	442.0	367.5	291.7	239.0	186.2
67.5°	1212.5	1100.4	984.5	865.1	759.7	656.8	551.5	463.1	378.1	291.7	231.9
65°	1502.2	1352.8	1201.2	1068.5	932.2	800.9	684.2	565.2	463.1	367.5	276.8
62.5°	1805.9	1624.4	1454.5	1279.7	1119.2	966.0	814.6	684.2	551.5	442.0	335.9
60°	2127.9	1923.2	1712.1	1516.0	1320.5	1136.2	966.0	800.9	656.8	514.9	399.8
57.5°	2480.8	2228.5	1994.1	1759.2	1536.5	1320.5	1119.2	932.2	759.7	602.3	462.2
55°	2846.4	2562.7	2282.8	2017.8	1759.2	1516.0	1279.7	1068.5	865.1	691.6	523.1
52.5°	3250.9	2910.8	2590.1	2282.8	1994.1	1712.1	1454.5	1201.2	984.5	778.5	597.2
50°	3677.9	3283.5	2910.8	2562.7	2228.5	1923.2	1624.4	1352.8	1100.4	868.2	670.8
47.5°	4124.2	3677.9	3250.9	2846.4	2480.8	2127.9	1805.9	1502.2	1212.5	967.7	742.0
45°	4607.4	4085.7	3601.9	3153.6	2725.0	2345.5	1986.8	1646.4	1341.5	1063.5	810.4
42.5°	5091.8	4517.8	3970.6	3450.9	2992.8	2562.0	2161.0	1801.4	1465.8	1155.5	884.6
40°	5650.6	4955.8	4339.8	3780.6	3256.4	2770.6	2347.9	1952.4	1584.8	1249.1	961.3
37.5°	6197.6	5428.1	4731.5	4096.4	3518.3	3001.9	2528.8	2096.5	1702.5	1349.5	1034.3
35°	6790.1	5916.8	5105.4	4422.1	3795.6	3221.8	2700.6	2240.2	1824.8	1444.5	1103.4
32.5°	7359.6	6401.8	5529.8	4750.2	4058.0	3429.7	2879.1	2386.7	1940.1	1534.0	1168.5
30°	7982.2	6902.8	5936.4	5059.1	4315.8	3652.9	3056.5	2524.0	2048.1	1617.8	1232.1
27.5°	8592.7	7372.7	6328.5	5393.2	4580.9	3863.4	3221.8	2651.8	2148.5	1699.7	1299.9
25°	9183.4	7874.7	6731.9	5718.5	4826.3	4058.0	3374.6	2770.6	2249.4	1781.4	1362.3
22.5°	9782.5	8359.3	7102.5	6016.9	5051.2	4236.8	3524.9	2896.2	2345.5	1856.0	1419.1
20°	10327.8	8799.8	7438.9	6294.6	5280.0	4422.1	3670.7	3009.7	2432.2	1923.2	1470.4
17.5°	10830.4	9220.8	7790.3	6570.2	5500.6	4587.2	3800.5	3110.6	2509.3	1982.9	1516.0
15°	11334.0	9616.3	8108.1	6811.6	5693.6	4731.5	3913.9	3198.6	2576.5	2035.0	1555.7
12.5°	11765.5	9954.7	8379.8	7017.6	5858.2	4854.6	4010.5	3273.6	2633.7	2079.3	1589.4
10°	12122.4	10234.3	8603.9	7187.5	5993.8	4955.8	4090.0	3335.3	2680.8	2115.7	1617.1
7.5°	12402.3	10453.3	8779.4	7320.5	6099.9	5035.0	4152.1	3383.4	2717.5	2144.1	1638.8
5°	12603.6	10610.7	8905.4	7415.9	6175.9	5091.8	4196.6	3417.9	2743.8	2164.5	1654.3
2.5°	12724.9	10705.5	8981.3	7473.3	6221.7	5125.9	4223.4	3438.7	2759.6	2176.7	1663.6
0°	12765.4	10737.2	9006.6	7492.5	6237.0	5137.3	4232.3	3445.6	2764.9	2180.8	1666.7
-2.5°	12724.9	10705.5	8981.3	7473.3	6221.7	5125.9	4223.4	3438.7	2759.6	2176.7	1663.6
-5°	12603.6	10610.7	8905.4	7415.9	6175.9	5091.8	4196.6	3417.9	2743.8	2164.5	1654.3
-7.5°	12402.3	10453.3	8779.4	7320.5	6099.9	5035.0	4152.1	3383.4	2717.5	2144.1	1638.8
-10°	12122.4	10234.3	8603.9	7187.5	5993.8	4955.8	4090.0	3335.3	2680.8	2115.7	1617.1
-12.5°	11765.5	9954.7	8379.8	7017.6	5858.2	4854.6	4010.5	3273.6	2633.7	2079.3	1589.4
-15°	11334.0	9616.3	8108.1	6811.6	5693.6	4731.5	3913.9	3198.6	2576.5	2035.0	1555.7
-17.5°	10830.4	9220.8	7790.3	6570.2	5500.6	4587.2	3800.5	3110.6	2509.3	1982.9	1516.0
-20°	10327.8	8799.8	7438.9	6294.6	5280.0	4422.1	3670.7	3009.7	2432.2	1923.2	1470.4



REPORT NUMBER: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	9782.5	8359.3	7102.5	6016.9	5051.2	4236.8	3524.9	2896.2	2345.5	1856.0	1419.1
-25°	9183.4	7874.7	6731.9	5718.5	4826.3	4058.0	3374.6	2770.6	2249.4	1781.4	1362.3
-27.5°	8592.7	7372.7	6328.5	5393.2	4580.9	3863.4	3221.8	2651.8	2148.5	1699.7	1299.9
-30°	7982.2	6902.8	5936.4	5059.1	4315.8	3652.9	3056.5	2524.0	2048.1	1617.8	1232.1
-32.5°	7359.6	6401.8	5529.8	4750.2	4058.0	3429.7	2879.1	2386.7	1940.1	1534.0	1168.5
-35°	6790.1	5916.8	5105.4	4422.1	3795.6	3221.8	2700.6	2240.2	1824.8	1444.5	1103.4
-37.5°	6197.6	5428.1	4731.5	4096.4	3518.3	3001.9	2528.8	2096.5	1702.5	1349.5	1034.3
-40°	5650.6	4955.8	4339.8	3780.6	3256.4	2770.6	2347.9	1952.4	1584.8	1249.1	961.3
-42.5°	5091.8	4517.8	3970.6	3450.9	2992.8	2562.0	2161.0	1801.4	1465.8	1155.5	884.6
-45°	4607.4	4085.7	3601.9	3153.6	2725.0	2345.5	1986.8	1646.4	1341.5	1063.5	810.4
-47.5°	4124.2	3677.9	3250.9	2846.4	2480.8	2127.9	1805.9	1502.2	1212.5	967.7	742.0
-50°	3677.9	3283.5	2910.8	2562.7	2228.5	1923.2	1624.4	1352.8	1100.4	868.2	670.8
-52.5°	3250.9	2910.8	2590.1	2282.8	1994.1	1712.1	1454.5	1201.2	984.5	778.5	597.2
-55°	2846.4	2562.7	2282.8	2017.8	1759.2	1516.0	1279.7	1068.5	865.1	691.6	523.1
-57.5°	2480.8	2228.5	1994.1	1759.2	1536.5	1320.5	1119.2	932.2	759.7	602.3	462.2
-60°	2127.9	1923.2	1712.1	1516.0	1320.5	1136.2	966.0	800.9	656.8	514.9	399.8
-62.5°	1805.9	1624.4	1454.5	1279.7	1119.2	966.0	814.6	684.2	551.5	442.0	335.9
-65°	1502.2	1352.8	1201.2	1068.5	932.2	800.9	684.2	565.2	463.1	367.5	276.8
-67.5°	1212.5	1100.4	984.5	865.1	759.7	656.8	551.5	463.1	378.1	291.7	231.9
-70°	967.7	868.2	778.5	691.6	602.3	514.9	442.0	367.5	291.7	239.0	186.2
-72.5°	742.0	670.8	597.2	523.1	462.2	399.8	335.9	276.8	231.9	186.2	139.9
-75°	538.3	489.0	439.9	389.2	337.1	285.5	248.5	210.6	172.0	132.8	108.7
-77.5°	376.9	337.4	296.5	265.8	236.4	206.3	175.4	143.8	118.9	100.9	82.7
-80°	240.3	219.0	196.9	174.1	150.6	127.0	113.5	99.6	85.4	71.0	56.4
-82.5°	131.5	121.1	112.0	102.6	92.9	83.0	72.8	62.4	51.8	41.0	35.0
-85°	70.0	64.2	58.1	51.9	45.4	38.9	35.9	32.8	29.7	26.6	23.4
-87.5°	26.3	25.0	23.7	22.3	20.9	19.4	18.0	16.4	14.9	13.3	11.7
-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: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-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°	10.1	8.4	6.8	5.1	3.4	1.7	0.0
85°	20.1	16.8	13.5	10.1	6.8	3.4	0.0
82.5°	30.1	25.2	20.2	15.2	10.1	5.1	0.0
80°	41.6	33.5	26.9	20.2	13.5	6.8	0.0
77.5°	64.2	45.5	33.5	25.2	16.8	8.4	0.0
75°	86.5	64.2	41.6	30.1	20.1	10.1	0.0
72.5°	108.7	82.7	56.4	35.0	23.4	11.7	0.0
70°	132.8	100.9	71.0	41.0	26.6	13.3	0.0
67.5°	172.0	118.9	85.4	51.8	29.7	14.9	0.0
65°	210.6	143.8	99.6	62.4	32.8	16.4	0.0
62.5°	248.5	175.4	113.5	72.8	35.9	18.0	0.0
60°	285.5	206.3	127.0	83.0	38.9	19.4	0.0
57.5°	337.1	236.4	150.6	92.9	45.4	20.9	0.0
55°	389.2	265.8	174.1	102.6	51.9	22.3	0.0
52.5°	439.9	296.5	196.9	112.0	58.1	23.7	0.0
50°	489.0	337.4	219.0	121.1	64.2	25.0	0.0
47.5°	538.3	376.9	240.3	131.5	70.0	26.3	0.0
45°	596.9	414.8	260.7	146.9	75.6	27.5	0.0
42.5°	653.0	451.1	280.3	161.5	81.0	28.7	0.0
40°	706.7	485.8	303.5	175.6	86.1	29.8	0.0
37.5°	757.7	518.8	329.9	188.9	90.9	30.9	0.0
35°	806.0	555.8	354.7	201.4	95.5	31.9	0.0
32.5°	854.3	593.5	378.1	213.2	99.8	32.8	0.0
30°	906.2	628.7	400.0	224.3	103.9	33.7	0.0
27.5°	954.4	661.4	420.2	234.5	107.6	34.5	0.0
25°	998.8	691.5	438.9	243.9	111.0	35.3	0.0
22.5°	1039.2	718.9	455.9	252.5	114.2	35.9	0.0
20°	1075.7	743.6	471.2	260.2	117.0	36.6	0.0
17.5°	1108.0	765.6	484.8	267.1	119.5	37.1	0.0
15°	1136.2	784.7	496.6	273.0	121.6	37.6	0.0
12.5°	1160.2	800.9	506.6	278.1	123.5	38.0	0.0
10°	1179.8	814.2	514.9	282.3	125.0	38.3	0.0
7.5°	1195.2	824.6	521.3	285.5	126.2	38.6	0.0
5°	1206.2	832.0	525.9	287.8	127.0	38.8	0.0
2.5°	1212.8	836.5	528.7	289.2	127.5	38.9	0.0
0°	1215.0	838.0	529.6	289.7	127.7	38.9	0.0
-2.5°	1212.8	836.5	528.7	289.2	127.5	38.9	0.0
-5°	1206.2	832.0	525.9	287.8	127.0	38.8	0.0
-7.5°	1195.2	824.6	521.3	285.5	126.2	38.6	0.0
-10°	1179.8	814.2	514.9	282.3	125.0	38.3	0.0
-12.5°	1160.2	800.9	506.6	278.1	123.5	38.0	0.0
-15°	1136.2	784.7	496.6	273.0	121.6	37.6	0.0
-17.5°	1108.0	765.6	484.8	267.1	119.5	37.1	0.0
-20°	1075.7	743.6	471.2	260.2	117.0	36.6	0.0



REPORT NUMBER: P1305412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1039.2	718.9	455.9	252.5	114.2	35.9	0.0
-25°	998.8	691.5	438.9	243.9	111.0	35.3	0.0
-27.5°	954.4	661.4	420.2	234.5	107.6	34.5	0.0
-30°	906.2	628.7	400.0	224.3	103.9	33.7	0.0
-32.5°	854.3	593.5	378.1	213.2	99.8	32.8	0.0
-35°	806.0	555.8	354.7	201.4	95.5	31.9	0.0
-37.5°	757.7	518.8	329.9	188.9	90.9	30.9	0.0
-40°	706.7	485.8	303.5	175.6	86.1	29.8	0.0
-42.5°	653.0	451.1	280.3	161.5	81.0	28.7	0.0
-45°	596.9	414.8	260.7	146.9	75.6	27.5	0.0
-47.5°	538.3	376.9	240.3	131.5	70.0	26.3	0.0
-50°	489.0	337.4	219.0	121.1	64.2	25.0	0.0
-52.5°	439.9	296.5	196.9	112.0	58.1	23.7	0.0
-55°	389.2	265.8	174.1	102.6	51.9	22.3	0.0
-57.5°	337.1	236.4	150.6	92.9	45.4	20.9	0.0
-60°	285.5	206.3	127.0	83.0	38.9	19.4	0.0
-62.5°	248.5	175.4	113.5	72.8	35.9	18.0	0.0
-65°	210.6	143.8	99.6	62.4	32.8	16.4	0.0
-67.5°	172.0	118.9	85.4	51.8	29.7	14.9	0.0
-70°	132.8	100.9	71.0	41.0	26.6	13.3	0.0
-72.5°	108.7	82.7	56.4	35.0	23.4	11.7	0.0
-75°	86.5	64.2	41.6	30.1	20.1	10.1	0.0
-77.5°	64.2	45.5	33.5	25.2	16.8	8.4	0.0
-80°	41.6	33.5	26.9	20.2	13.5	6.8	0.0
-82.5°	30.1	25.2	20.2	15.2	10.1	5.1	0.0
-85°	20.1	16.8	13.5	10.1	6.8	3.4	0.0
-87.5°	10.1	8.4	6.8	5.1	3.4	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)