

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: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-80-7F-HEG-A**

Issue Date: 2/3/2026

Test Information

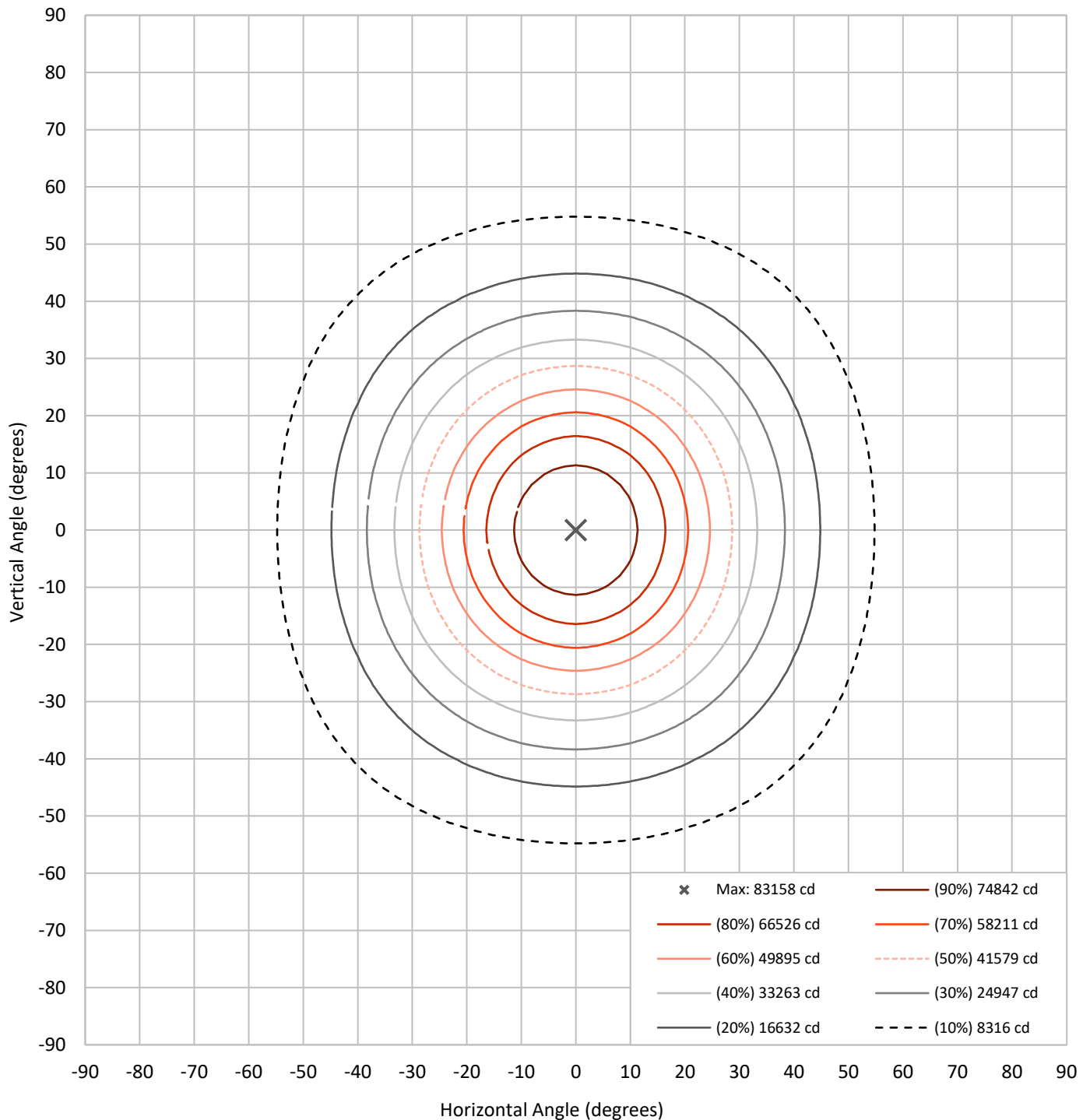
Test Method: LM-79-08
Report Number: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680R-40-80-7F-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 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:	93827.6 lumens	Max Intensity:	83158 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.4 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:	46210 lumens	Field Lumens:	85121.8 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
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





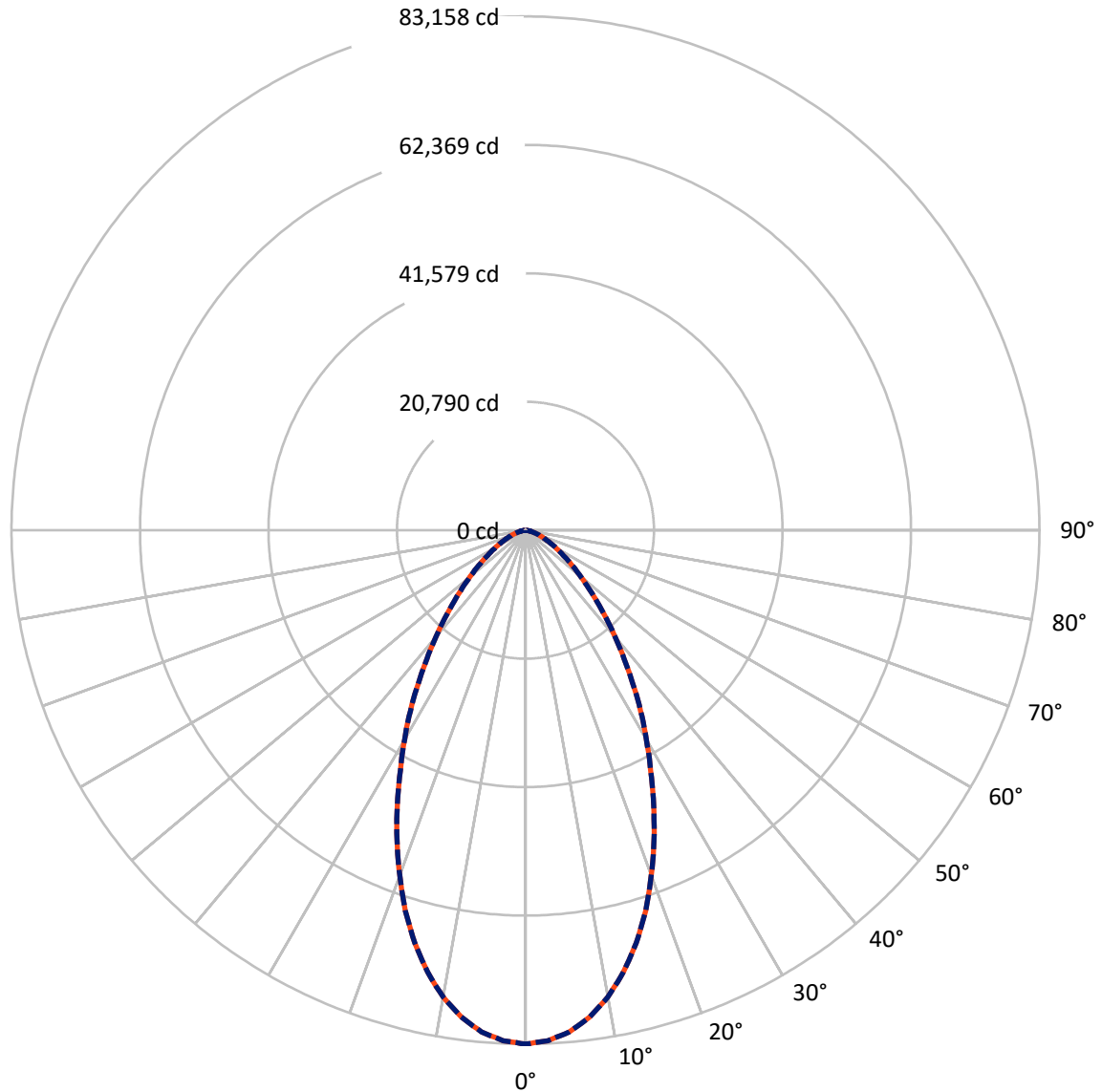
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Lumen Table

90																			
80	1.1	12.7		43.0		78.8		94.4		78.8		43.0		12.7		1.1			
70	6.1	8.3	20.7	39.2	61.7	84.7	104.0	114.7	114.7	104.0	84.7	61.7	39.2	20.7	8.3	6.1			
60		15.5	38.9	74.7	121.5	173.8	220.9	248.7	248.7	220.9	173.8	121.5	74.7	38.9	15.5				
50	14.2	23.8	60.9	122.6	212.6	323.1	429.4	495.5	495.5	429.4	323.1	212.6	122.6	60.9	23.8	14.2			
40		32.5	85.8	184.2	342.1	551.9	765.2	902.8	902.8	765.2	551.9	342.1	184.2	85.8	32.5				
30	21.6	40.4	111.2	253.6	500.1	846.5	1208.8	1450.2	1450.2	1208.8	846.5	500.1	253.6	111.2	40.4	21.6			
20		46.6	132.9	316.8	651.7	1136.1	1668.0	2026.5	2026.5	1668.0	1136.1	651.7	316.8	132.9	46.6				
10	24.4	49.8	145.2	354.8	746.1	1322.7	1966.6	2386.0	2386.0	1966.6	1322.7	746.1	354.8	145.2	49.8	24.4			
0		49.8	145.2	354.8	746.1	1322.7	1966.6	2386.0	2386.0	1966.6	1322.7	746.1	354.8	145.2	49.8				
-10	21.6	46.6	132.9	316.8	651.7	1136.1	1668.0	2026.5	2026.5	1668.0	1136.1	651.7	316.8	132.9	46.6	21.6			
-20		40.4	111.2	253.6	500.1	846.5	1208.8	1450.2	1450.2	1208.8	846.5	500.1	253.6	111.2	40.4				
-30	14.2	32.5	85.8	184.2	342.1	551.9	765.2	902.8	902.8	765.2	551.9	342.1	184.2	85.8	32.5	14.2			
-40		23.8	60.9	122.6	212.6	323.1	429.4	495.5	495.5	429.4	323.1	212.6	122.6	60.9	23.8				
-50	6.1	15.5	38.9	74.7	121.5	173.8	220.9	248.7	248.7	220.9	173.8	121.5	74.7	38.9	15.5	6.1			
-60		8.3	20.7	39.2	61.7	84.7	104.0	114.7	114.7	104.0	84.7	61.7	39.2	20.7	8.3				
-70																			
-80	1.1	12.7		43.0		78.8		94.4		78.8		43.0		12.7		1.1			
-90																			

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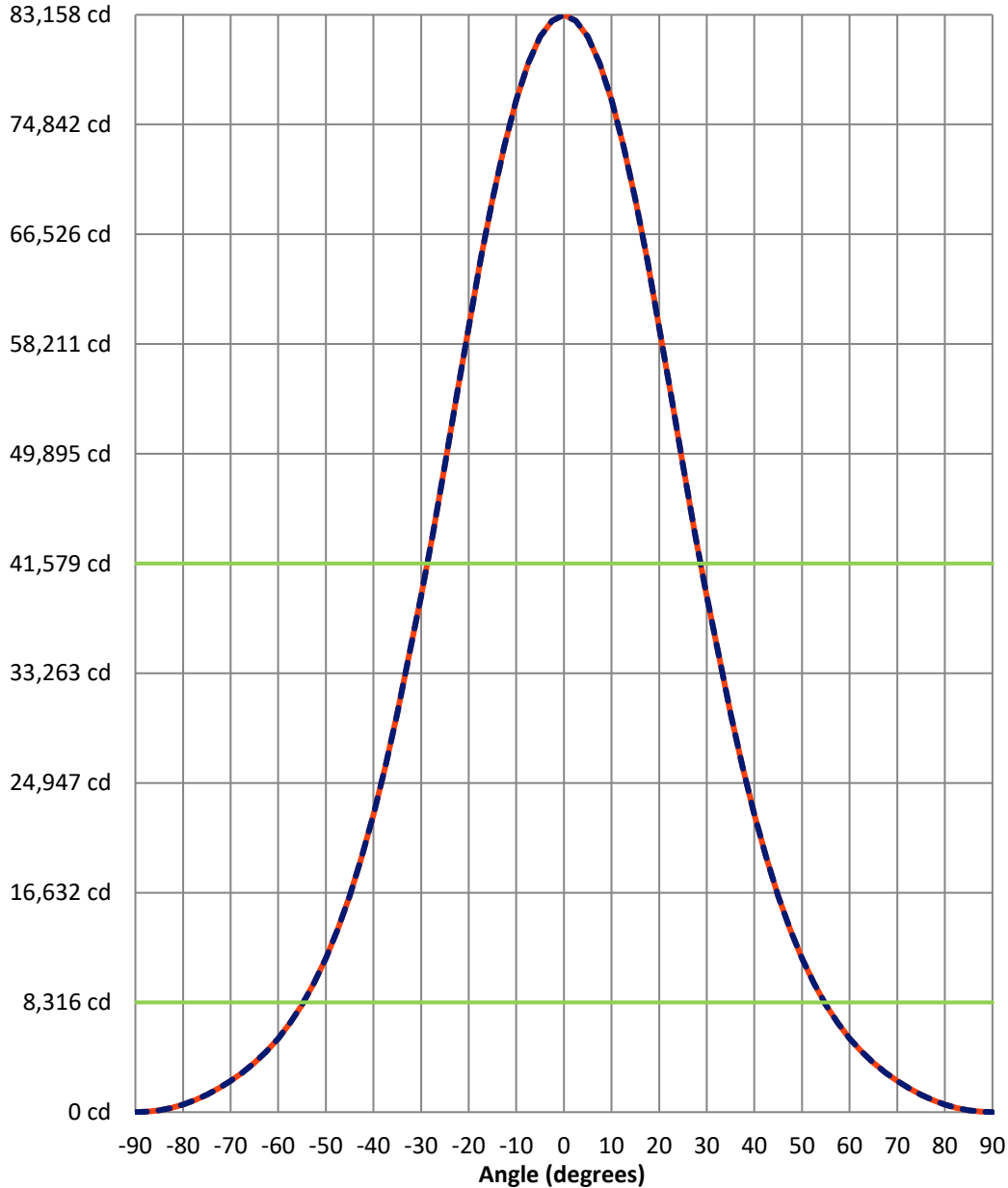
Luminous Intensity Polar Plot



— 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: 46210
 Efficiency: 49.2%

Field:
 H Angle: 109.4°
 V Angle: 109.4°
 Lumens: 85121.8
 Efficiency: 90.7%

Spill:
 Lumens: 8705.8
 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	1.8	3.7	5.5	7.3	9.2	10.9	12.7	14.5	16.2	17.9
85°	0.0	3.7	7.4	11.0	14.7	18.3	21.9	25.4	28.9	32.3	35.7
82.5°	0.0	5.5	11.0	16.5	22.0	27.4	32.8	38.1	44.6	56.3	67.8
80°	0.0	7.3	14.7	22.0	29.2	36.4	45.2	61.3	77.2	92.8	108.2
77.5°	0.0	9.2	18.3	27.4	36.4	49.4	69.7	89.8	109.6	129.1	156.2
75°	0.0	10.9	21.9	32.8	45.2	69.7	94.0	118.0	144.2	186.8	228.7
72.5°	0.0	12.7	25.4	38.1	61.3	89.8	118.0	151.9	202.2	251.8	300.6
70°	0.0	14.5	28.9	44.6	77.2	109.6	144.2	202.2	259.6	316.8	399.1
67.5°	0.0	16.2	32.3	56.3	92.8	129.1	186.8	251.8	316.8	410.5	502.8
65°	0.0	17.9	35.7	67.8	108.2	156.2	228.7	300.6	399.1	502.8	613.7
62.5°	0.0	19.5	39.0	79.1	123.2	190.5	269.8	364.7	479.9	598.8	742.9
60°	0.0	21.1	42.3	90.2	138.0	224.0	310.1	434.1	559.0	713.1	869.6
57.5°	0.0	22.7	49.4	101.0	163.6	256.8	366.0	501.9	653.9	824.9	1012.2
55°	0.0	24.3	56.4	111.5	189.1	288.7	422.6	567.9	750.9	939.3	1160.1
52.5°	0.0	25.7	63.2	121.6	213.9	322.0	477.6	648.4	845.3	1068.9	1304.1
50°	0.0	27.2	69.7	131.5	237.8	366.4	530.9	728.4	942.6	1194.7	1468.7
47.5°	0.0	28.6	76.1	142.9	260.9	409.2	584.4	805.6	1050.6	1316.4	1631.0
45°	0.0	29.9	82.1	159.5	283.2	450.4	648.0	880.0	1154.7	1456.4	1787.6
42.5°	0.0	31.2	88.0	175.5	304.4	489.8	709.1	960.5	1254.5	1591.5	1955.8
40°	0.0	32.4	93.5	190.7	329.6	527.5	767.3	1043.8	1356.2	1720.7	2119.8
37.5°	0.0	33.6	98.8	205.1	358.2	563.3	822.7	1123.0	1465.1	1848.5	2276.2
35°	0.0	34.6	103.8	218.8	385.2	603.4	875.1	1198.0	1568.3	1981.2	2432.2
32.5°	0.0	35.7	108.4	231.6	410.6	644.4	927.6	1268.6	1665.5	2106.4	2591.3
30°	0.0	36.6	112.8	243.6	434.3	682.6	984.0	1337.7	1756.5	2223.6	2740.4
27.5°	0.0	37.5	116.9	254.7	456.3	718.2	1036.3	1411.3	1845.4	2332.7	2879.1
25°	0.0	38.3	120.6	264.9	476.5	750.8	1084.4	1479.0	1934.1	2442.2	3008.1
22.5°	0.0	39.1	124.0	274.2	495.0	780.6	1128.3	1540.8	2015.1	2546.5	3144.5
20°	0.0	39.7	127.0	282.6	511.6	807.4	1167.9	1596.5	2088.0	2640.6	3267.6
17.5°	0.0	40.3	129.8	290.0	526.3	831.2	1203.0	1645.9	2152.9	2724.3	3377.2
15°	0.0	40.9	132.1	296.5	539.2	852.0	1233.6	1689.0	2209.4	2797.3	3472.8
12.5°	0.0	41.3	134.1	302.0	550.1	869.6	1259.6	1725.7	2257.5	2859.5	3554.2
10°	0.0	41.7	135.8	306.5	559.0	884.1	1280.9	1755.8	2297.0	2910.6	3621.1
7.5°	0.0	41.9	137.0	310.1	566.0	895.3	1297.6	1779.3	2327.9	2950.4	3673.4
5°	0.0	42.1	138.0	312.6	571.0	903.4	1309.5	1796.1	2350.0	2979.0	3710.9
2.5°	0.0	42.3	138.5	314.1	574.0	908.3	1316.7	1806.2	2363.3	2996.2	3733.4
0°	0.0	42.3	138.7	314.6	575.0	909.9	1319.1	1809.6	2367.7	3001.9	3740.9
-2.5°	0.0	42.3	138.5	314.1	574.0	908.3	1316.7	1806.2	2363.3	2996.2	3733.4
-5°	0.0	42.1	138.0	312.6	571.0	903.4	1309.5	1796.1	2350.0	2979.0	3710.9
-7.5°	0.0	41.9	137.0	310.1	566.0	895.3	1297.6	1779.3	2327.9	2950.4	3673.4
-10°	0.0	41.7	135.8	306.5	559.0	884.1	1280.9	1755.8	2297.0	2910.6	3621.1
-12.5°	0.0	41.3	134.1	302.0	550.1	869.6	1259.6	1725.7	2257.5	2859.5	3554.2
-15°	0.0	40.9	132.1	296.5	539.2	852.0	1233.6	1689.0	2209.4	2797.3	3472.8
-17.5°	0.0	40.3	129.8	290.0	526.3	831.2	1203.0	1645.9	2152.9	2724.3	3377.2
-20°	0.0	39.7	127.0	282.6	511.6	807.4	1167.9	1596.5	2088.0	2640.6	3267.6



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	39.1	124.0	274.2	495.0	780.6	1128.3	1540.8	2015.1	2546.5	3144.5
-25°	0.0	38.3	120.6	264.9	476.5	750.8	1084.4	1479.0	1934.1	2442.2	3008.1
-27.5°	0.0	37.5	116.9	254.7	456.3	718.2	1036.3	1411.3	1845.4	2332.7	2879.1
-30°	0.0	36.6	112.8	243.6	434.3	682.6	984.0	1337.7	1756.5	2223.6	2740.4
-32.5°	0.0	35.7	108.4	231.6	410.6	644.4	927.6	1268.6	1665.5	2106.4	2591.3
-35°	0.0	34.6	103.8	218.8	385.2	603.4	875.1	1198.0	1568.3	1981.2	2432.2
-37.5°	0.0	33.6	98.8	205.1	358.2	563.3	822.7	1123.0	1465.1	1848.5	2276.2
-40°	0.0	32.4	93.5	190.7	329.6	527.5	767.3	1043.8	1356.2	1720.7	2119.8
-42.5°	0.0	31.2	88.0	175.5	304.4	489.8	709.1	960.5	1254.5	1591.5	1955.8
-45°	0.0	29.9	82.1	159.5	283.2	450.4	648.0	880.0	1154.7	1456.4	1787.6
-47.5°	0.0	28.6	76.1	142.9	260.9	409.2	584.4	805.6	1050.6	1316.4	1631.0
-50°	0.0	27.2	69.7	131.5	237.8	366.4	530.9	728.4	942.6	1194.7	1468.7
-52.5°	0.0	25.7	63.2	121.6	213.9	322.0	477.6	648.4	845.3	1068.9	1304.1
-55°	0.0	24.3	56.4	111.5	189.1	288.7	422.6	567.9	750.9	939.3	1160.1
-57.5°	0.0	22.7	49.4	101.0	163.6	256.8	366.0	501.9	653.9	824.9	1012.2
-60°	0.0	21.1	42.3	90.2	138.0	224.0	310.1	434.1	559.0	713.1	869.6
-62.5°	0.0	19.5	39.0	79.1	123.2	190.5	269.8	364.7	479.9	598.8	742.9
-65°	0.0	17.9	35.7	67.8	108.2	156.2	228.7	300.6	399.1	502.8	613.7
-67.5°	0.0	16.2	32.3	56.3	92.8	129.1	186.8	251.8	316.8	410.5	502.8
-70°	0.0	14.5	28.9	44.6	77.2	109.6	144.2	202.2	259.6	316.8	399.1
-72.5°	0.0	12.7	25.4	38.1	61.3	89.8	118.0	151.9	202.2	251.8	300.6
-75°	0.0	10.9	21.9	32.8	45.2	69.7	94.0	118.0	144.2	186.8	228.7
-77.5°	0.0	9.2	18.3	27.4	36.4	49.4	69.7	89.8	109.6	129.1	156.2
-80°	0.0	7.3	14.7	22.0	29.2	36.4	45.2	61.3	77.2	92.8	108.2
-82.5°	0.0	5.5	11.0	16.5	22.0	27.4	32.8	38.1	44.6	56.3	67.8
-85°	0.0	3.7	7.4	11.0	14.7	18.3	21.9	25.4	28.9	32.3	35.7
-87.5°	0.0	1.8	3.7	5.5	7.3	9.2	10.9	12.7	14.5	16.2	17.9
-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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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°	19.5	21.1	22.7	24.3	25.7	27.2	28.6	29.9	31.2	32.4	33.6
85°	39.0	42.3	49.4	56.4	63.2	69.7	76.1	82.1	88.0	93.5	98.8
82.5°	79.1	90.2	101.0	111.5	121.6	131.5	142.9	159.5	175.5	190.7	205.1
80°	123.2	138.0	163.6	189.1	213.9	237.8	260.9	283.2	304.4	329.6	358.2
77.5°	190.5	224.0	256.8	288.7	322.0	366.4	409.2	450.4	489.8	527.5	563.3
75°	269.8	310.1	366.0	422.6	477.6	530.9	584.4	648.0	709.1	767.3	822.7
72.5°	364.7	434.1	501.9	567.9	648.4	728.4	805.6	880.0	960.5	1043.8	1123.0
70°	479.9	559.0	653.9	750.9	845.3	942.6	1050.6	1154.7	1254.5	1356.2	1465.1
67.5°	598.8	713.1	824.9	939.3	1068.9	1194.7	1316.4	1456.4	1591.5	1720.7	1848.5
65°	742.9	869.6	1012.2	1160.1	1304.1	1468.7	1631.0	1787.6	1955.8	2119.8	2276.2
62.5°	884.5	1048.8	1215.2	1389.3	1579.2	1763.7	1960.7	2157.1	2346.2	2549.1	2745.5
60°	1048.8	1233.6	1433.7	1645.9	1858.9	2088.0	2310.2	2546.5	2781.6	3008.1	3259.2
57.5°	1215.2	1433.7	1668.3	1910.0	2165.0	2419.5	2693.5	2958.6	3249.3	3535.5	3819.8
55°	1389.3	1645.9	1910.0	2190.8	2478.5	2782.4	3090.3	3423.9	3746.7	4104.6	4447.4
52.5°	1579.2	1858.9	2165.0	2478.5	2812.2	3160.2	3529.5	3910.6	4310.9	4711.7	5137.0
50°	1763.7	2088.0	2419.5	2782.4	3160.2	3564.9	3993.1	4435.8	4904.9	5380.6	5893.3
47.5°	1960.7	2310.2	2693.5	3090.3	3529.5	3993.1	4477.6	5002.3	5528.2	6134.9	6728.9
45°	2157.1	2546.5	2958.6	3423.9	3910.6	4435.8	5002.3	5577.6	6256.6	6933.9	7657.1
42.5°	2346.2	2781.6	3249.3	3746.7	4310.9	4904.9	5528.2	6256.6	7004.7	7800.7	8659.0
40°	2549.1	3008.1	3535.5	4104.6	4711.7	5380.6	6134.9	6933.9	7800.7	8747.5	9730.2
37.5°	2745.5	3259.2	3819.8	4447.4	5137.0	5893.3	6728.9	7657.1	8659.0	9730.2	10910.8
35°	2932.1	3498.0	4120.9	4801.1	5543.0	6423.9	7372.1	8395.2	9550.2	10805.4	12126.3
32.5°	3125.9	3723.7	4405.8	5157.3	6003.7	6950.5	7990.4	9193.4	10491.5	11874.4	13417.4
30°	3318.5	3966.0	4685.6	5492.7	6445.2	7494.5	8666.3	9974.8	11417.0	13032.1	14764.1
27.5°	3498.0	4194.5	4973.5	5855.5	6870.9	8004.6	9329.2	10789.1	12398.9	14165.4	16101.3
25°	3663.8	4405.8	5239.9	6208.7	7308.9	8549.6	9970.5	11549.0	13355.9	15339.3	17517.9
22.5°	3827.0	4599.9	5484.1	6532.7	7711.3	9075.8	10620.9	12352.8	14296.6	16437.0	18878.1
20°	3985.3	4801.1	5732.6	6834.1	8076.5	9554.0	11213.0	13102.9	15222.5	17597.5	20215.0
17.5°	4126.3	4980.3	5972.1	7133.3	8458.1	10011.1	11758.6	13776.6	16055.9	18644.5	21465.3
15°	4249.4	5137.0	6181.6	7395.4	8803.1	10440.5	12305.4	14443.1	16858.3	19598.3	22577.9
12.5°	4354.2	5270.6	6360.3	7619.1	9098.0	10807.9	12773.9	15025.3	17593.2	20480.2	23657.4
10°	4440.5	5380.6	6507.6	7803.6	9341.3	11111.4	13161.3	15507.3	18202.6	21213.0	24556.3
7.5°	4507.9	5466.5	6622.7	7948.0	9531.8	11349.2	13465.2	15885.9	18681.8	21790.2	25265.7
5°	4556.2	5528.2	6705.3	8051.5	9668.6	11520.1	13683.7	16158.4	19027.1	22206.5	25778.1
2.5°	4585.3	5565.2	6755.0	8113.9	9751.0	11623.0	13815.4	16322.7	19235.5	22457.9	26087.9
0°	4595.0	5577.6	6771.6	8134.7	9778.5	11657.4	13859.4	16377.6	19305.1	22542.0	26191.6
-2.5°	4585.3	5565.2	6755.0	8113.9	9751.0	11623.0	13815.4	16322.7	19235.5	22457.9	26087.9
-5°	4556.2	5528.2	6705.3	8051.5	9668.6	11520.1	13683.7	16158.4	19027.1	22206.5	25778.1
-7.5°	4507.9	5466.5	6622.7	7948.0	9531.8	11349.2	13465.2	15885.9	18681.8	21790.2	25265.7
-10°	4440.5	5380.6	6507.6	7803.6	9341.3	11111.4	13161.3	15507.3	18202.6	21213.0	24556.3
-12.5°	4354.2	5270.6	6360.3	7619.1	9098.0	10807.9	12773.9	15025.3	17593.2	20480.2	23657.4
-15°	4249.4	5137.0	6181.6	7395.4	8803.1	10440.5	12305.4	14443.1	16858.3	19598.3	22577.9
-17.5°	4126.3	4980.3	5972.1	7133.3	8458.1	10011.1	11758.6	13776.6	16055.9	18644.5	21465.3
-20°	3985.3	4801.1	5732.6	6834.1	8076.5	9554.0	11213.0	13102.9	15222.5	17597.5	20215.0



REPORT NUMBER: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3827.0	4599.9	5484.1	6532.7	7711.3	9075.8	10620.9	12352.8	14296.6	16437.0	18878.1
-25°	3663.8	4405.8	5239.9	6208.7	7308.9	8549.6	9970.5	11549.0	13355.9	15339.3	17517.9
-27.5°	3498.0	4194.5	4973.5	5855.5	6870.9	8004.6	9329.2	10789.1	12398.9	14165.4	16101.3
-30°	3318.5	3966.0	4685.6	5492.7	6445.2	7494.5	8666.3	9974.8	11417.0	13032.1	14764.1
-32.5°	3125.9	3723.7	4405.8	5157.3	6003.7	6950.5	7990.4	9193.4	10491.5	11874.4	13417.4
-35°	2932.1	3498.0	4120.9	4801.1	5543.0	6423.9	7372.1	8395.2	9550.2	10805.4	12126.3
-37.5°	2745.5	3259.2	3819.8	4447.4	5137.0	5893.3	6728.9	7657.1	8659.0	9730.2	10910.8
-40°	2549.1	3008.1	3535.5	4104.6	4711.7	5380.6	6134.9	6933.9	7800.7	8747.5	9730.2
-42.5°	2346.2	2781.6	3249.3	3746.7	4310.9	4904.9	5528.2	6256.6	7004.7	7800.7	8659.0
-45°	2157.1	2546.5	2958.6	3423.9	3910.6	4435.8	5002.3	5577.6	6256.6	6933.9	7657.1
-47.5°	1960.7	2310.2	2693.5	3090.3	3529.5	3993.1	4477.6	5002.3	5528.2	6134.9	6728.9
-50°	1763.7	2088.0	2419.5	2782.4	3160.2	3564.9	3993.1	4435.8	4904.9	5380.6	5893.3
-52.5°	1579.2	1858.9	2165.0	2478.5	2812.2	3160.2	3529.5	3910.6	4310.9	4711.7	5137.0
-55°	1389.3	1645.9	1910.0	2190.8	2478.5	2782.4	3090.3	3423.9	3746.7	4104.6	4447.4
-57.5°	1215.2	1433.7	1668.3	1910.0	2165.0	2419.5	2693.5	2958.6	3249.3	3535.5	3819.8
-60°	1048.8	1233.6	1433.7	1645.9	1858.9	2088.0	2310.2	2546.5	2781.6	3008.1	3259.2
-62.5°	884.5	1048.8	1215.2	1389.3	1579.2	1763.7	1960.7	2157.1	2346.2	2549.1	2745.5
-65°	742.9	869.6	1012.2	1160.1	1304.1	1468.7	1631.0	1787.6	1955.8	2119.8	2276.2
-67.5°	598.8	713.1	824.9	939.3	1068.9	1194.7	1316.4	1456.4	1591.5	1720.7	1848.5
-70°	479.9	559.0	653.9	750.9	845.3	942.6	1050.6	1154.7	1254.5	1356.2	1465.1
-72.5°	364.7	434.1	501.9	567.9	648.4	728.4	805.6	880.0	960.5	1043.8	1123.0
-75°	269.8	310.1	366.0	422.6	477.6	530.9	584.4	648.0	709.1	767.3	822.7
-77.5°	190.5	224.0	256.8	288.7	322.0	366.4	409.2	450.4	489.8	527.5	563.3
-80°	123.2	138.0	163.6	189.1	213.9	237.8	260.9	283.2	304.4	329.6	358.2
-82.5°	79.1	90.2	101.0	111.5	121.6	131.5	142.9	159.5	175.5	190.7	205.1
-85°	39.0	42.3	49.4	56.4	63.2	69.7	76.1	82.1	88.0	93.5	98.8
-87.5°	19.5	21.1	22.7	24.3	25.7	27.2	28.6	29.9	31.2	32.4	33.6
-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: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	34.6	35.7	36.6	37.5	38.3	39.1	39.7	40.3	40.9	41.3	41.7
85°	103.8	108.4	112.8	116.9	120.6	124.0	127.0	129.8	132.1	134.1	135.8
82.5°	218.8	231.6	243.6	254.7	264.9	274.2	282.6	290.0	296.5	302.0	306.5
80°	385.2	410.6	434.3	456.3	476.5	495.0	511.6	526.3	539.2	550.1	559.0
77.5°	603.4	644.4	682.6	718.2	750.8	780.6	807.4	831.2	852.0	869.6	884.1
75°	875.1	927.6	984.0	1036.3	1084.4	1128.3	1167.9	1203.0	1233.6	1259.6	1280.9
72.5°	1198.0	1268.6	1337.7	1411.3	1479.0	1540.8	1596.5	1645.9	1689.0	1725.7	1755.8
70°	1568.3	1665.5	1756.5	1845.4	1934.1	2015.1	2088.0	2152.9	2209.4	2257.5	2297.0
67.5°	1981.2	2106.4	2223.6	2332.7	2442.2	2546.5	2640.6	2724.3	2797.3	2859.5	2910.6
65°	2432.2	2591.3	2740.4	2879.1	3008.1	3144.5	3267.6	3377.2	3472.8	3554.2	3621.1
62.5°	2932.1	3125.9	3318.5	3498.0	3663.8	3827.0	3985.3	4126.3	4249.4	4354.2	4440.5
60°	3498.0	3723.7	3966.0	4194.5	4405.8	4599.9	4801.1	4980.3	5137.0	5270.6	5380.6
57.5°	4120.9	4405.8	4685.6	4973.5	5239.9	5484.1	5732.6	5972.1	6181.6	6360.3	6507.6
55°	4801.1	5157.3	5492.7	5855.5	6208.7	6532.7	6834.1	7133.3	7395.4	7619.1	7803.6
52.5°	5543.0	6003.7	6445.2	6870.9	7308.9	7711.3	8076.5	8458.1	8803.1	9098.0	9341.3
50°	6423.9	6950.5	7494.5	8004.6	8549.6	9075.8	9554.0	10011.1	10440.5	10807.9	11111.4
47.5°	7372.1	7990.4	8666.3	9329.2	9970.5	10620.9	11213.0	11758.6	12305.4	12773.9	13161.3
45°	8395.2	9193.4	9974.8	10789.1	11549.0	12352.8	13102.9	13776.6	14443.1	15025.3	15507.3
42.5°	9550.2	10491.5	11417.0	12398.9	13355.9	14296.6	15222.5	16055.9	16858.3	17593.2	18202.6
40°	10805.4	11874.4	13032.1	14165.4	15339.3	16437.0	17597.5	18644.5	19598.3	20480.2	21213.0
37.5°	12126.3	13417.4	14764.1	16101.3	17517.9	18878.1	20215.0	21465.3	22577.9	23657.4	24556.3
35°	13546.8	15066.8	16596.2	18253.4	19870.4	21483.8	23026.0	24548.1	25901.9	27165.8	28246.0
32.5°	15066.8	16777.5	18625.7	20503.8	22349.3	24274.3	26078.4	27879.9	29498.6	30977.3	32279.0
30°	16596.2	18625.7	20716.9	22819.6	25038.5	27222.4	29362.5	31435.7	33374.7	35065.3	36482.3
27.5°	18253.4	20503.8	22819.6	25295.8	27809.8	30278.7	32819.1	35152.8	37248.8	39087.3	40759.2
25°	19870.4	22349.3	25038.5	27809.8	30617.9	33524.2	36246.0	38758.6	41185.3	43349.5	45301.8
22.5°	21483.8	24274.3	27222.4	30278.7	33524.2	36615.6	39564.5	42486.8	45265.1	47839.5	50065.7
20°	23026.0	26078.4	29362.5	32819.1	36246.0	39564.5	42928.2	46273.1	49434.8	52326.6	54809.5
17.5°	24548.1	27879.9	31435.7	35152.8	38758.6	42486.8	46273.1	49987.5	53498.7	56610.1	59306.5
15°	25901.9	29498.6	33374.7	37248.8	41185.3	45265.1	49434.8	53498.7	57227.6	60631.8	63654.7
12.5°	27165.8	30977.3	35065.3	39087.3	43349.5	47839.5	52326.6	56610.1	60631.8	64388.9	67419.2
10°	28246.0	32279.0	36482.3	40759.2	45301.8	50065.7	54809.5	59306.5	63654.7	67419.2	70723.7
7.5°	29100.5	33311.4	37610.1	42095.8	46905.8	51888.6	56785.6	61537.4	66008.7	69955.5	73271.4
5°	29718.8	34060.1	38430.2	43071.2	48081.5	53232.5	58253.7	63212.6	67719.4	71786.0	75176.8
2.5°	30093.1	34514.1	38928.4	43665.2	48799.8	54056.9	59159.6	64254.8	68796.5	72877.3	76316.9
0°	30218.4	34666.2	39095.5	43864.7	49041.4	54334.9	59466.0	64608.9	69165.0	73237.5	76709.5
-2.5°	30093.1	34514.1	38928.4	43665.2	48799.8	54056.9	59159.6	64254.8	68796.5	72877.3	76316.9
-5°	29718.8	34060.1	38430.2	43071.2	48081.5	53232.5	58253.7	63212.6	67719.4	71786.0	75176.8
-7.5°	29100.5	33311.4	37610.1	42095.8	46905.8	51888.6	56785.6	61537.4	66008.7	69955.5	73271.4
-10°	28246.0	32279.0	36482.3	40759.2	45301.8	50065.7	54809.5	59306.5	63654.7	67419.2	70723.7
-12.5°	27165.8	30977.3	35065.3	39087.3	43349.5	47839.5	52326.6	56610.1	60631.8	64388.9	67419.2
-15°	25901.9	29498.6	33374.7	37248.8	41185.3	45265.1	49434.8	53498.7	57227.6	60631.8	63654.7
-17.5°	24548.1	27879.9	31435.7	35152.8	38758.6	42486.8	46273.1	49987.5	53498.7	56610.1	59306.5
-20°	23026.0	26078.4	29362.5	32819.1	36246.0	39564.5	42928.2	46273.1	49434.8	52326.6	54809.5



REPORT NUMBER: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21483.8	24274.3	27222.4	30278.7	33524.2	36615.6	39564.5	42486.8	45265.1	47839.5	50065.7
-25°	19870.4	22349.3	25038.5	27809.8	30617.9	33524.2	36246.0	38758.6	41185.3	43349.5	45301.8
-27.5°	18253.4	20503.8	22819.6	25295.8	27809.8	30278.7	32819.1	35152.8	37248.8	39087.3	40759.2
-30°	16596.2	18625.7	20716.9	22819.6	25038.5	27222.4	29362.5	31435.7	33374.7	35065.3	36482.3
-32.5°	15066.8	16777.5	18625.7	20503.8	22349.3	24274.3	26078.4	27879.9	29498.6	30977.3	32279.0
-35°	13546.8	15066.8	16596.2	18253.4	19870.4	21483.8	23026.0	24548.1	25901.9	27165.8	28246.0
-37.5°	12126.3	13417.4	14764.1	16101.3	17517.9	18878.1	20215.0	21465.3	22577.9	23657.4	24556.3
-40°	10805.4	11874.4	13032.1	14165.4	15339.3	16437.0	17597.5	18644.5	19598.3	20480.2	21213.0
-42.5°	9550.2	10491.5	11417.0	12398.9	13355.9	14296.6	15222.5	16055.9	16858.3	17593.2	18202.6
-45°	8395.2	9193.4	9974.8	10789.1	11549.0	12352.8	13102.9	13776.6	14443.1	15025.3	15507.3
-47.5°	7372.1	7990.4	8666.3	9329.2	9970.5	10620.9	11213.0	11758.6	12305.4	12773.9	13161.3
-50°	6423.9	6950.5	7494.5	8004.6	8549.6	9075.8	9554.0	10011.1	10440.5	10807.9	11111.4
-52.5°	5543.0	6003.7	6445.2	6870.9	7308.9	7711.3	8076.5	8458.1	8803.1	9098.0	9341.3
-55°	4801.1	5157.3	5492.7	5855.5	6208.7	6532.7	6834.1	7133.3	7395.4	7619.1	7803.6
-57.5°	4120.9	4405.8	4685.6	4973.5	5239.9	5484.1	5732.6	5972.1	6181.6	6360.3	6507.6
-60°	3498.0	3723.7	3966.0	4194.5	4405.8	4599.9	4801.1	4980.3	5137.0	5270.6	5380.6
-62.5°	2932.1	3125.9	3318.5	3498.0	3663.8	3827.0	3985.3	4126.3	4249.4	4354.2	4440.5
-65°	2432.2	2591.3	2740.4	2879.1	3008.1	3144.5	3267.6	3377.2	3472.8	3554.2	3621.1
-67.5°	1981.2	2106.4	2223.6	2332.7	2442.2	2546.5	2640.6	2724.3	2797.3	2859.5	2910.6
-70°	1568.3	1665.5	1756.5	1845.4	1934.1	2015.1	2088.0	2152.9	2209.4	2257.5	2297.0
-72.5°	1198.0	1268.6	1337.7	1411.3	1479.0	1540.8	1596.5	1645.9	1689.0	1725.7	1755.8
-75°	875.1	927.6	984.0	1036.3	1084.4	1128.3	1167.9	1203.0	1233.6	1259.6	1280.9
-77.5°	603.4	644.4	682.6	718.2	750.8	780.6	807.4	831.2	852.0	869.6	884.1
-80°	385.2	410.6	434.3	456.3	476.5	495.0	511.6	526.3	539.2	550.1	559.0
-82.5°	218.8	231.6	243.6	254.7	264.9	274.2	282.6	290.0	296.5	302.0	306.5
-85°	103.8	108.4	112.8	116.9	120.6	124.0	127.0	129.8	132.1	134.1	135.8
-87.5°	34.6	35.7	36.6	37.5	38.3	39.1	39.7	40.3	40.9	41.3	41.7
-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: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-80-7F-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°	41.9	42.1	42.3	42.3	42.3	42.1	41.9	41.7	41.3	40.9	40.3
85°	137.0	138.0	138.5	138.7	138.5	138.0	137.0	135.8	134.1	132.1	129.8
82.5°	310.1	312.6	314.1	314.6	314.1	312.6	310.1	306.5	302.0	296.5	290.0
80°	566.0	571.0	574.0	575.0	574.0	571.0	566.0	559.0	550.1	539.2	526.3
77.5°	895.3	903.4	908.3	909.9	908.3	903.4	895.3	884.1	869.6	852.0	831.2
75°	1297.6	1309.5	1316.7	1319.1	1316.7	1309.5	1297.6	1280.9	1259.6	1233.6	1203.0
72.5°	1779.3	1796.1	1806.2	1809.6	1806.2	1796.1	1779.3	1755.8	1725.7	1689.0	1645.9
70°	2327.9	2350.0	2363.3	2367.7	2363.3	2350.0	2327.9	2297.0	2257.5	2209.4	2152.9
67.5°	2950.4	2979.0	2996.2	3001.9	2996.2	2979.0	2950.4	2910.6	2859.5	2797.3	2724.3
65°	3673.4	3710.9	3733.4	3740.9	3733.4	3710.9	3673.4	3621.1	3554.2	3472.8	3377.2
62.5°	4507.9	4556.2	4585.3	4595.0	4585.3	4556.2	4507.9	4440.5	4354.2	4249.4	4126.3
60°	5466.5	5528.2	5565.2	5577.6	5565.2	5528.2	5466.5	5380.6	5270.6	5137.0	4980.3
57.5°	6622.7	6705.3	6755.0	6771.6	6755.0	6705.3	6622.7	6507.6	6360.3	6181.6	5972.1
55°	7948.0	8051.5	8113.9	8134.7	8113.9	8051.5	7948.0	7803.6	7619.1	7395.4	7133.3
52.5°	9531.8	9668.6	9751.0	9778.5	9751.0	9668.6	9531.8	9341.3	9098.0	8803.1	8458.1
50°	11349.2	11520.1	11623.0	11657.4	11623.0	11520.1	11349.2	11111.4	10807.9	10440.5	10011.1
47.5°	13465.2	13683.7	13815.4	13859.4	13815.4	13683.7	13465.2	13161.3	12773.9	12305.4	11758.6
45°	15885.9	16158.4	16322.7	16377.6	16322.7	16158.4	15885.9	15507.3	15025.3	14443.1	13776.6
42.5°	18681.8	19027.1	19235.5	19305.1	19235.5	19027.1	18681.8	18202.6	17593.2	16858.3	16055.9
40°	21790.2	22206.5	22457.9	22542.0	22457.9	22206.5	21790.2	21213.0	20480.2	19598.3	18644.5
37.5°	25265.7	25778.1	26087.9	26191.6	26087.9	25778.1	25265.7	24556.3	23657.4	22577.9	21465.3
35°	29100.5	29718.8	30093.1	30218.4	30093.1	29718.8	29100.5	28246.0	27165.8	25901.9	24548.1
32.5°	33311.4	34060.1	34514.1	34666.2	34514.1	34060.1	33311.4	32279.0	30977.3	29498.6	27879.9
30°	37610.1	38430.2	38928.4	39095.5	38928.4	38430.2	37610.1	36482.3	35065.3	33374.7	31435.7
27.5°	42095.8	43071.2	43665.2	43864.7	43665.2	43071.2	42095.8	40759.2	39087.3	37248.8	35152.8
25°	46905.8	48081.5	48799.8	49041.4	48799.8	48081.5	46905.8	45301.8	43349.5	41185.3	38758.6
22.5°	51888.6	53232.5	54056.9	54334.9	54056.9	53232.5	51888.6	50065.7	47839.5	45265.1	42486.8
20°	56785.6	58253.7	59159.6	59466.0	59159.6	58253.7	56785.6	54809.5	52326.6	49434.8	46273.1
17.5°	61537.4	63212.6	64254.8	64608.9	64254.8	63212.6	61537.4	59306.5	56610.1	53498.7	49987.5
15°	66008.7	67719.4	68796.5	69165.0	68796.5	67719.4	66008.7	63654.7	60631.8	57227.6	53498.7
12.5°	69955.5	71786.0	72877.3	73237.5	72877.3	71786.0	69955.5	67419.2	64388.9	60631.8	56610.1
10°	73271.4	75176.8	76316.9	76709.5	76316.9	75176.8	73271.4	70723.7	67419.2	63654.7	59306.5
7.5°	75947.3	77888.0	79093.9	79482.2	79093.9	77888.0	75947.3	73271.4	69955.5	66008.7	61537.4
5°	77888.0	79899.2	81066.8	81498.9	81066.8	79899.2	77888.0	75176.8	71786.0	67719.4	63212.6
2.5°	79093.9	81066.8	82282.7	82695.5	82282.7	81066.8	79093.9	76316.9	72877.3	68796.5	64254.8
0°	79482.2	81498.9	82695.5	83158.0	82695.5	81498.9	79482.2	76709.5	73237.5	69165.0	64608.9
-2.5°	79093.9	81066.8	82282.7	82695.5	82282.7	81066.8	79093.9	76316.9	72877.3	68796.5	64254.8
-5°	77888.0	79899.2	81066.8	81498.9	81066.8	79899.2	77888.0	75176.8	71786.0	67719.4	63212.6
-7.5°	75947.3	77888.0	79093.9	79482.2	79093.9	77888.0	75947.3	73271.4	69955.5	66008.7	61537.4
-10°	73271.4	75176.8	76316.9	76709.5	76316.9	75176.8	73271.4	70723.7	67419.2	63654.7	59306.5
-12.5°	69955.5	71786.0	72877.3	73237.5	72877.3	71786.0	69955.5	67419.2	64388.9	60631.8	56610.1
-15°	66008.7	67719.4	68796.5	69165.0	68796.5	67719.4	66008.7	63654.7	60631.8	57227.6	53498.7
-17.5°	61537.4	63212.6	64254.8	64608.9	64254.8	63212.6	61537.4	59306.5	56610.1	53498.7	49987.5
-20°	56785.6	58253.7	59159.6	59466.0	59159.6	58253.7	56785.6	54809.5	52326.6	49434.8	46273.1



REPORT NUMBER: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	51888.6	53232.5	54056.9	54334.9	54056.9	53232.5	51888.6	50065.7	47839.5	45265.1	42486.8
-25°	46905.8	48081.5	48799.8	49041.4	48799.8	48081.5	46905.8	45301.8	43349.5	41185.3	38758.6
-27.5°	42095.8	43071.2	43665.2	43864.7	43665.2	43071.2	42095.8	40759.2	39087.3	37248.8	35152.8
-30°	37610.1	38430.2	38928.4	39095.5	38928.4	38430.2	37610.1	36482.3	35065.3	33374.7	31435.7
-32.5°	33311.4	34060.1	34514.1	34666.2	34514.1	34060.1	33311.4	32279.0	30977.3	29498.6	27879.9
-35°	29100.5	29718.8	30093.1	30218.4	30093.1	29718.8	29100.5	28246.0	27165.8	25901.9	24548.1
-37.5°	25265.7	25778.1	26087.9	26191.6	26087.9	25778.1	25265.7	24556.3	23657.4	22577.9	21465.3
-40°	21790.2	22206.5	22457.9	22542.0	22457.9	22206.5	21790.2	21213.0	20480.2	19598.3	18644.5
-42.5°	18681.8	19027.1	19235.5	19305.1	19235.5	19027.1	18681.8	18202.6	17593.2	16858.3	16055.9
-45°	15885.9	16158.4	16322.7	16377.6	16322.7	16158.4	15885.9	15507.3	15025.3	14443.1	13776.6
-47.5°	13465.2	13683.7	13815.4	13859.4	13815.4	13683.7	13465.2	13161.3	12773.9	12305.4	11758.6
-50°	11349.2	11520.1	11623.0	11657.4	11623.0	11520.1	11349.2	11111.4	10807.9	10440.5	10011.1
-52.5°	9531.8	9668.6	9751.0	9778.5	9751.0	9668.6	9531.8	9341.3	9098.0	8803.1	8458.1
-55°	7948.0	8051.5	8113.9	8134.7	8113.9	8051.5	7948.0	7803.6	7619.1	7395.4	7133.3
-57.5°	6622.7	6705.3	6755.0	6771.6	6755.0	6705.3	6622.7	6507.6	6360.3	6181.6	5972.1
-60°	5466.5	5528.2	5565.2	5577.6	5565.2	5528.2	5466.5	5380.6	5270.6	5137.0	4980.3
-62.5°	4507.9	4556.2	4585.3	4595.0	4585.3	4556.2	4507.9	4440.5	4354.2	4249.4	4126.3
-65°	3673.4	3710.9	3733.4	3740.9	3733.4	3710.9	3673.4	3621.1	3554.2	3472.8	3377.2
-67.5°	2950.4	2979.0	2996.2	3001.9	2996.2	2979.0	2950.4	2910.6	2859.5	2797.3	2724.3
-70°	2327.9	2350.0	2363.3	2367.7	2363.3	2350.0	2327.9	2297.0	2257.5	2209.4	2152.9
-72.5°	1779.3	1796.1	1806.2	1809.6	1806.2	1796.1	1779.3	1755.8	1725.7	1689.0	1645.9
-75°	1297.6	1309.5	1316.7	1319.1	1316.7	1309.5	1297.6	1280.9	1259.6	1233.6	1203.0
-77.5°	895.3	903.4	908.3	909.9	908.3	903.4	895.3	884.1	869.6	852.0	831.2
-80°	566.0	571.0	574.0	575.0	574.0	571.0	566.0	559.0	550.1	539.2	526.3
-82.5°	310.1	312.6	314.1	314.6	314.1	312.6	310.1	306.5	302.0	296.5	290.0
-85°	137.0	138.0	138.5	138.7	138.5	138.0	137.0	135.8	134.1	132.1	129.8
-87.5°	41.9	42.1	42.3	42.3	42.3	42.1	41.9	41.7	41.3	40.9	40.3
-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: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-80-7F-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°	39.7	39.1	38.3	37.5	36.6	35.7	34.6	33.6	32.4	31.2	29.9
85°	127.0	124.0	120.6	116.9	112.8	108.4	103.8	98.8	93.5	88.0	82.1
82.5°	282.6	274.2	264.9	254.7	243.6	231.6	218.8	205.1	190.7	175.5	159.5
80°	511.6	495.0	476.5	456.3	434.3	410.6	385.2	358.2	329.6	304.4	283.2
77.5°	807.4	780.6	750.8	718.2	682.6	644.4	603.4	563.3	527.5	489.8	450.4
75°	1167.9	1128.3	1084.4	1036.3	984.0	927.6	875.1	822.7	767.3	709.1	648.0
72.5°	1596.5	1540.8	1479.0	1411.3	1337.7	1268.6	1198.0	1123.0	1043.8	960.5	880.0
70°	2088.0	2015.1	1934.1	1845.4	1756.5	1665.5	1568.3	1465.1	1356.2	1254.5	1154.7
67.5°	2640.6	2546.5	2442.2	2332.7	2223.6	2106.4	1981.2	1848.5	1720.7	1591.5	1456.4
65°	3267.6	3144.5	3008.1	2879.1	2740.4	2591.3	2432.2	2276.2	2119.8	1955.8	1787.6
62.5°	3985.3	3827.0	3663.8	3498.0	3318.5	3125.9	2932.1	2745.5	2549.1	2346.2	2157.1
60°	4801.1	4599.9	4405.8	4194.5	3966.0	3723.7	3498.0	3259.2	3008.1	2781.6	2546.5
57.5°	5732.6	5484.1	5239.9	4973.5	4685.6	4405.8	4120.9	3819.8	3535.5	3249.3	2958.6
55°	6834.1	6532.7	6208.7	5855.5	5492.7	5157.3	4801.1	4447.4	4104.6	3746.7	3423.9
52.5°	8076.5	7711.3	7308.9	6870.9	6445.2	6003.7	5543.0	5137.0	4711.7	4310.9	3910.6
50°	9554.0	9075.8	8549.6	8004.6	7494.5	6950.5	6423.9	5893.3	5380.6	4904.9	4435.8
47.5°	11213.0	10620.9	9970.5	9329.2	8666.3	7990.4	7372.1	6728.9	6134.9	5528.2	5002.3
45°	13102.9	12352.8	11549.0	10789.1	9974.8	9193.4	8395.2	7657.1	6933.9	6256.6	5577.6
42.5°	15222.5	14296.6	13355.9	12398.9	11417.0	10491.5	9550.2	8659.0	7800.7	7004.7	6256.6
40°	17597.5	16437.0	15339.3	14165.4	13032.1	11874.4	10805.4	9730.2	8747.5	7800.7	6933.9
37.5°	20215.0	18878.1	17517.9	16101.3	14764.1	13417.4	12126.3	10910.8	9730.2	8659.0	7657.1
35°	23026.0	21483.8	19870.4	18253.4	16596.2	15066.8	13546.8	12126.3	10805.4	9550.2	8395.2
32.5°	26078.4	24274.3	22349.3	20503.8	18625.7	16777.5	15066.8	13417.4	11874.4	10491.5	9193.4
30°	29362.5	27222.4	25038.5	22819.6	20716.9	18625.7	16596.2	14764.1	13032.1	11417.0	9974.8
27.5°	32819.1	30278.7	27809.8	25295.8	22819.6	20503.8	18253.4	16101.3	14165.4	12398.9	10789.1
25°	36246.0	33524.2	30617.9	27809.8	25038.5	22349.3	19870.4	17517.9	15339.3	13355.9	11549.0
22.5°	39564.5	36615.6	33524.2	30278.7	27222.4	24274.3	21483.8	18878.1	16437.0	14296.6	12352.8
20°	42928.2	39564.5	36246.0	32819.1	29362.5	26078.4	23026.0	20215.0	17597.5	15222.5	13102.9
17.5°	46273.1	42486.8	38758.6	35152.8	31435.7	27879.9	24548.1	21465.3	18644.5	16055.9	13776.6
15°	49434.8	45265.1	41185.3	37248.8	33374.7	29498.6	25901.9	22577.9	19598.3	16858.3	14443.1
12.5°	52326.6	47839.5	43349.5	39087.3	35065.3	30977.3	27165.8	23657.4	20480.2	17593.2	15025.3
10°	54809.5	50065.7	45301.8	40759.2	36482.3	32279.0	28246.0	24556.3	21213.0	18202.6	15507.3
7.5°	56785.6	51888.6	46905.8	42095.8	37610.1	33311.4	29100.5	25265.7	21790.2	18681.8	15885.9
5°	58253.7	53232.5	48081.5	43071.2	38430.2	34060.1	29718.8	25778.1	22206.5	19027.1	16158.4
2.5°	59159.6	54056.9	48799.8	43665.2	38928.4	34514.1	30093.1	26087.9	22457.9	19235.5	16322.7
0°	59466.0	54334.9	49041.4	43864.7	39095.5	34666.2	30218.4	26191.6	22542.0	19305.1	16377.6
-2.5°	59159.6	54056.9	48799.8	43665.2	38928.4	34514.1	30093.1	26087.9	22457.9	19235.5	16322.7
-5°	58253.7	53232.5	48081.5	43071.2	38430.2	34060.1	29718.8	25778.1	22206.5	19027.1	16158.4
-7.5°	56785.6	51888.6	46905.8	42095.8	37610.1	33311.4	29100.5	25265.7	21790.2	18681.8	15885.9
-10°	54809.5	50065.7	45301.8	40759.2	36482.3	32279.0	28246.0	24556.3	21213.0	18202.6	15507.3
-12.5°	52326.6	47839.5	43349.5	39087.3	35065.3	30977.3	27165.8	23657.4	20480.2	17593.2	15025.3
-15°	49434.8	45265.1	41185.3	37248.8	33374.7	29498.6	25901.9	22577.9	19598.3	16858.3	14443.1
-17.5°	46273.1	42486.8	38758.6	35152.8	31435.7	27879.9	24548.1	21465.3	18644.5	16055.9	13776.6
-20°	42928.2	39564.5	36246.0	32819.1	29362.5	26078.4	23026.0	20215.0	17597.5	15222.5	13102.9



REPORT NUMBER: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	39564.5	36615.6	33524.2	30278.7	27222.4	24274.3	21483.8	18878.1	16437.0	14296.6	12352.8
-25°	36246.0	33524.2	30617.9	27809.8	25038.5	22349.3	19870.4	17517.9	15339.3	13355.9	11549.0
-27.5°	32819.1	30278.7	27809.8	25295.8	22819.6	20503.8	18253.4	16101.3	14165.4	12398.9	10789.1
-30°	29362.5	27222.4	25038.5	22819.6	20716.9	18625.7	16596.2	14764.1	13032.1	11417.0	9974.8
-32.5°	26078.4	24274.3	22349.3	20503.8	18625.7	16777.5	15066.8	13417.4	11874.4	10491.5	9193.4
-35°	23026.0	21483.8	19870.4	18253.4	16596.2	15066.8	13546.8	12126.3	10805.4	9550.2	8395.2
-37.5°	20215.0	18878.1	17517.9	16101.3	14764.1	13417.4	12126.3	10910.8	9730.2	8659.0	7657.1
-40°	17597.5	16437.0	15339.3	14165.4	13032.1	11874.4	10805.4	9730.2	8747.5	7800.7	6933.9
-42.5°	15222.5	14296.6	13355.9	12398.9	11417.0	10491.5	9550.2	8659.0	7800.7	7004.7	6256.6
-45°	13102.9	12352.8	11549.0	10789.1	9974.8	9193.4	8395.2	7657.1	6933.9	6256.6	5577.6
-47.5°	11213.0	10620.9	9970.5	9329.2	8666.3	7990.4	7372.1	6728.9	6134.9	5528.2	5002.3
-50°	9554.0	9075.8	8549.6	8004.6	7494.5	6950.5	6423.9	5893.3	5380.6	4904.9	4435.8
-52.5°	8076.5	7711.3	7308.9	6870.9	6445.2	6003.7	5543.0	5137.0	4711.7	4310.9	3910.6
-55°	6834.1	6532.7	6208.7	5855.5	5492.7	5157.3	4801.1	4447.4	4104.6	3746.7	3423.9
-57.5°	5732.6	5484.1	5239.9	4973.5	4685.6	4405.8	4120.9	3819.8	3535.5	3249.3	2958.6
-60°	4801.1	4599.9	4405.8	4194.5	3966.0	3723.7	3498.0	3259.2	3008.1	2781.6	2546.5
-62.5°	3985.3	3827.0	3663.8	3498.0	3318.5	3125.9	2932.1	2745.5	2549.1	2346.2	2157.1
-65°	3267.6	3144.5	3008.1	2879.1	2740.4	2591.3	2432.2	2276.2	2119.8	1955.8	1787.6
-67.5°	2640.6	2546.5	2442.2	2332.7	2223.6	2106.4	1981.2	1848.5	1720.7	1591.5	1456.4
-70°	2088.0	2015.1	1934.1	1845.4	1756.5	1665.5	1568.3	1465.1	1356.2	1254.5	1154.7
-72.5°	1596.5	1540.8	1479.0	1411.3	1337.7	1268.6	1198.0	1123.0	1043.8	960.5	880.0
-75°	1167.9	1128.3	1084.4	1036.3	984.0	927.6	875.1	822.7	767.3	709.1	648.0
-77.5°	807.4	780.6	750.8	718.2	682.6	644.4	603.4	563.3	527.5	489.8	450.4
-80°	511.6	495.0	476.5	456.3	434.3	410.6	385.2	358.2	329.6	304.4	283.2
-82.5°	282.6	274.2	264.9	254.7	243.6	231.6	218.8	205.1	190.7	175.5	159.5
-85°	127.0	124.0	120.6	116.9	112.8	108.4	103.8	98.8	93.5	88.0	82.1
-87.5°	39.7	39.1	38.3	37.5	36.6	35.7	34.6	33.6	32.4	31.2	29.9
-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: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-80-7F-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°	28.6	27.2	25.7	24.3	22.7	21.1	19.5	17.9	16.2	14.5	12.7
85°	76.1	69.7	63.2	56.4	49.4	42.3	39.0	35.7	32.3	28.9	25.4
82.5°	142.9	131.5	121.6	111.5	101.0	90.2	79.1	67.8	56.3	44.6	38.1
80°	260.9	237.8	213.9	189.1	163.6	138.0	123.2	108.2	92.8	77.2	61.3
77.5°	409.2	366.4	322.0	288.7	256.8	224.0	190.5	156.2	129.1	109.6	89.8
75°	584.4	530.9	477.6	422.6	366.0	310.1	269.8	228.7	186.8	144.2	118.0
72.5°	805.6	728.4	648.4	567.9	501.9	434.1	364.7	300.6	251.8	202.2	151.9
70°	1050.6	942.6	845.3	750.9	653.9	559.0	479.9	399.1	316.8	259.6	202.2
67.5°	1316.4	1194.7	1068.9	939.3	824.9	713.1	598.8	502.8	410.5	316.8	251.8
65°	1631.0	1468.7	1304.1	1160.1	1012.2	869.6	742.9	613.7	502.8	399.1	300.6
62.5°	1960.7	1763.7	1579.2	1389.3	1215.2	1048.8	884.5	742.9	598.8	479.9	364.7
60°	2310.2	2088.0	1858.9	1645.9	1433.7	1233.6	1048.8	869.6	713.1	559.0	434.1
57.5°	2693.5	2419.5	2165.0	1910.0	1668.3	1433.7	1215.2	1012.2	824.9	653.9	501.9
55°	3090.3	2782.4	2478.5	2190.8	1910.0	1645.9	1389.3	1160.1	939.3	750.9	567.9
52.5°	3529.5	3160.2	2812.2	2478.5	2165.0	1858.9	1579.2	1304.1	1068.9	845.3	648.4
50°	3993.1	3564.9	3160.2	2782.4	2419.5	2088.0	1763.7	1468.7	1194.7	942.6	728.4
47.5°	4477.6	3993.1	3529.5	3090.3	2693.5	2310.2	1960.7	1631.0	1316.4	1050.6	805.6
45°	5002.3	4435.8	3910.6	3423.9	2958.6	2546.5	2157.1	1787.6	1456.4	1154.7	880.0
42.5°	5528.2	4904.9	4310.9	3746.7	3249.3	2781.6	2346.2	1955.8	1591.5	1254.5	960.5
40°	6134.9	5380.6	4711.7	4104.6	3535.5	3008.1	2549.1	2119.8	1720.7	1356.2	1043.8
37.5°	6728.9	5893.3	5137.0	4447.4	3819.8	3259.2	2745.5	2276.2	1848.5	1465.1	1123.0
35°	7372.1	6423.9	5543.0	4801.1	4120.9	3498.0	2932.1	2432.2	1981.2	1568.3	1198.0
32.5°	7990.4	6950.5	6003.7	5157.3	4405.8	3723.7	3125.9	2591.3	2106.4	1665.5	1268.6
30°	8666.3	7494.5	6445.2	5492.7	4685.6	3966.0	3318.5	2740.4	2223.6	1756.5	1337.7
27.5°	9329.2	8004.6	6870.9	5855.5	4973.5	4194.5	3498.0	2879.1	2332.7	1845.4	1411.3
25°	9970.5	8549.6	7308.9	6208.7	5239.9	4405.8	3663.8	3008.1	2442.2	1934.1	1479.0
22.5°	10620.9	9075.8	7711.3	6532.7	5484.1	4599.9	3827.0	3144.5	2546.5	2015.1	1540.8
20°	11213.0	9554.0	8076.5	6834.1	5732.6	4801.1	3985.3	3267.6	2640.6	2088.0	1596.5
17.5°	11758.6	10011.1	8458.1	7133.3	5972.1	4980.3	4126.3	3377.2	2724.3	2152.9	1645.9
15°	12305.4	10440.5	8803.1	7395.4	6181.6	5137.0	4249.4	3472.8	2797.3	2209.4	1689.0
12.5°	12773.9	10807.9	9098.0	7619.1	6360.3	5270.6	4354.2	3554.2	2859.5	2257.5	1725.7
10°	13161.3	11111.4	9341.3	7803.6	6507.6	5380.6	4440.5	3621.1	2910.6	2297.0	1755.8
7.5°	13465.2	11349.2	9531.8	7948.0	6622.7	5466.5	4507.9	3673.4	2950.4	2327.9	1779.3
5°	13683.7	11520.1	9668.6	8051.5	6705.3	5528.2	4556.2	3710.9	2979.0	2350.0	1796.1
2.5°	13815.4	11623.0	9751.0	8113.9	6755.0	5565.2	4585.3	3733.4	2996.2	2363.3	1806.2
0°	13859.4	11657.4	9778.5	8134.7	6771.6	5577.6	4595.0	3740.9	3001.9	2367.7	1809.6
-2.5°	13815.4	11623.0	9751.0	8113.9	6755.0	5565.2	4585.3	3733.4	2996.2	2363.3	1806.2
-5°	13683.7	11520.1	9668.6	8051.5	6705.3	5528.2	4556.2	3710.9	2979.0	2350.0	1796.1
-7.5°	13465.2	11349.2	9531.8	7948.0	6622.7	5466.5	4507.9	3673.4	2950.4	2327.9	1779.3
-10°	13161.3	11111.4	9341.3	7803.6	6507.6	5380.6	4440.5	3621.1	2910.6	2297.0	1755.8
-12.5°	12773.9	10807.9	9098.0	7619.1	6360.3	5270.6	4354.2	3554.2	2859.5	2257.5	1725.7
-15°	12305.4	10440.5	8803.1	7395.4	6181.6	5137.0	4249.4	3472.8	2797.3	2209.4	1689.0
-17.5°	11758.6	10011.1	8458.1	7133.3	5972.1	4980.3	4126.3	3377.2	2724.3	2152.9	1645.9
-20°	11213.0	9554.0	8076.5	6834.1	5732.6	4801.1	3985.3	3267.6	2640.6	2088.0	1596.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	10620.9	9075.8	7711.3	6532.7	5484.1	4599.9	3827.0	3144.5	2546.5	2015.1	1540.8
-25°	9970.5	8549.6	7308.9	6208.7	5239.9	4405.8	3663.8	3008.1	2442.2	1934.1	1479.0
-27.5°	9329.2	8004.6	6870.9	5855.5	4973.5	4194.5	3498.0	2879.1	2332.7	1845.4	1411.3
-30°	8666.3	7494.5	6445.2	5492.7	4685.6	3966.0	3318.5	2740.4	2223.6	1756.5	1337.7
-32.5°	7990.4	6950.5	6003.7	5157.3	4405.8	3723.7	3125.9	2591.3	2106.4	1665.5	1268.6
-35°	7372.1	6423.9	5543.0	4801.1	4120.9	3498.0	2932.1	2432.2	1981.2	1568.3	1198.0
-37.5°	6728.9	5893.3	5137.0	4447.4	3819.8	3259.2	2745.5	2276.2	1848.5	1465.1	1123.0
-40°	6134.9	5380.6	4711.7	4104.6	3535.5	3008.1	2549.1	2119.8	1720.7	1356.2	1043.8
-42.5°	5528.2	4904.9	4310.9	3746.7	3249.3	2781.6	2346.2	1955.8	1591.5	1254.5	960.5
-45°	5002.3	4435.8	3910.6	3423.9	2958.6	2546.5	2157.1	1787.6	1456.4	1154.7	880.0
-47.5°	4477.6	3993.1	3529.5	3090.3	2693.5	2310.2	1960.7	1631.0	1316.4	1050.6	805.6
-50°	3993.1	3564.9	3160.2	2782.4	2419.5	2088.0	1763.7	1468.7	1194.7	942.6	728.4
-52.5°	3529.5	3160.2	2812.2	2478.5	2165.0	1858.9	1579.2	1304.1	1068.9	845.3	648.4
-55°	3090.3	2782.4	2478.5	2190.8	1910.0	1645.9	1389.3	1160.1	939.3	750.9	567.9
-57.5°	2693.5	2419.5	2165.0	1910.0	1668.3	1433.7	1215.2	1012.2	824.9	653.9	501.9
-60°	2310.2	2088.0	1858.9	1645.9	1433.7	1233.6	1048.8	869.6	713.1	559.0	434.1
-62.5°	1960.7	1763.7	1579.2	1389.3	1215.2	1048.8	884.5	742.9	598.8	479.9	364.7
-65°	1631.0	1468.7	1304.1	1160.1	1012.2	869.6	742.9	613.7	502.8	399.1	300.6
-67.5°	1316.4	1194.7	1068.9	939.3	824.9	713.1	598.8	502.8	410.5	316.8	251.8
-70°	1050.6	942.6	845.3	750.9	653.9	559.0	479.9	399.1	316.8	259.6	202.2
-72.5°	805.6	728.4	648.4	567.9	501.9	434.1	364.7	300.6	251.8	202.2	151.9
-75°	584.4	530.9	477.6	422.6	366.0	310.1	269.8	228.7	186.8	144.2	118.0
-77.5°	409.2	366.4	322.0	288.7	256.8	224.0	190.5	156.2	129.1	109.6	89.8
-80°	260.9	237.8	213.9	189.1	163.6	138.0	123.2	108.2	92.8	77.2	61.3
-82.5°	142.9	131.5	121.6	111.5	101.0	90.2	79.1	67.8	56.3	44.6	38.1
-85°	76.1	69.7	63.2	56.4	49.4	42.3	39.0	35.7	32.3	28.9	25.4
-87.5°	28.6	27.2	25.7	24.3	22.7	21.1	19.5	17.9	16.2	14.5	12.7
-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: P1305424 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	10.9	9.2	7.3	5.5	3.7	1.8	0.0
85°	21.9	18.3	14.7	11.0	7.4	3.7	0.0
82.5°	32.8	27.4	22.0	16.5	11.0	5.5	0.0
80°	45.2	36.4	29.2	22.0	14.7	7.3	0.0
77.5°	69.7	49.4	36.4	27.4	18.3	9.2	0.0
75°	94.0	69.7	45.2	32.8	21.9	10.9	0.0
72.5°	118.0	89.8	61.3	38.1	25.4	12.7	0.0
70°	144.2	109.6	77.2	44.6	28.9	14.5	0.0
67.5°	186.8	129.1	92.8	56.3	32.3	16.2	0.0
65°	228.7	156.2	108.2	67.8	35.7	17.9	0.0
62.5°	269.8	190.5	123.2	79.1	39.0	19.5	0.0
60°	310.1	224.0	138.0	90.2	42.3	21.1	0.0
57.5°	366.0	256.8	163.6	101.0	49.4	22.7	0.0
55°	422.6	288.7	189.1	111.5	56.4	24.3	0.0
52.5°	477.6	322.0	213.9	121.6	63.2	25.7	0.0
50°	530.9	366.4	237.8	131.5	69.7	27.2	0.0
47.5°	584.4	409.2	260.9	142.9	76.1	28.6	0.0
45°	648.0	450.4	283.2	159.5	82.1	29.9	0.0
42.5°	709.1	489.8	304.4	175.5	88.0	31.2	0.0
40°	767.3	527.5	329.6	190.7	93.5	32.4	0.0
37.5°	822.7	563.3	358.2	205.1	98.8	33.6	0.0
35°	875.1	603.4	385.2	218.8	103.8	34.6	0.0
32.5°	927.6	644.4	410.6	231.6	108.4	35.7	0.0
30°	984.0	682.6	434.3	243.6	112.8	36.6	0.0
27.5°	1036.3	718.2	456.3	254.7	116.9	37.5	0.0
25°	1084.4	750.8	476.5	264.9	120.6	38.3	0.0
22.5°	1128.3	780.6	495.0	274.2	124.0	39.1	0.0
20°	1167.9	807.4	511.6	282.6	127.0	39.7	0.0
17.5°	1203.0	831.2	526.3	290.0	129.8	40.3	0.0
15°	1233.6	852.0	539.2	296.5	132.1	40.9	0.0
12.5°	1259.6	869.6	550.1	302.0	134.1	41.3	0.0
10°	1280.9	884.1	559.0	306.5	135.8	41.7	0.0
7.5°	1297.6	895.3	566.0	310.1	137.0	41.9	0.0
5°	1309.5	903.4	571.0	312.6	138.0	42.1	0.0
2.5°	1316.7	908.3	574.0	314.1	138.5	42.3	0.0
0°	1319.1	909.9	575.0	314.6	138.7	42.3	0.0
-2.5°	1316.7	908.3	574.0	314.1	138.5	42.3	0.0
-5°	1309.5	903.4	571.0	312.6	138.0	42.1	0.0
-7.5°	1297.6	895.3	566.0	310.1	137.0	41.9	0.0
-10°	1280.9	884.1	559.0	306.5	135.8	41.7	0.0
-12.5°	1259.6	869.6	550.1	302.0	134.1	41.3	0.0
-15°	1233.6	852.0	539.2	296.5	132.1	40.9	0.0
-17.5°	1203.0	831.2	526.3	290.0	129.8	40.3	0.0
-20°	1167.9	807.4	511.6	282.6	127.0	39.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1128.3	780.6	495.0	274.2	124.0	39.1	0.0
-25°	1084.4	750.8	476.5	264.9	120.6	38.3	0.0
-27.5°	1036.3	718.2	456.3	254.7	116.9	37.5	0.0
-30°	984.0	682.6	434.3	243.6	112.8	36.6	0.0
-32.5°	927.6	644.4	410.6	231.6	108.4	35.7	0.0
-35°	875.1	603.4	385.2	218.8	103.8	34.6	0.0
-37.5°	822.7	563.3	358.2	205.1	98.8	33.6	0.0
-40°	767.3	527.5	329.6	190.7	93.5	32.4	0.0
-42.5°	709.1	489.8	304.4	175.5	88.0	31.2	0.0
-45°	648.0	450.4	283.2	159.5	82.1	29.9	0.0
-47.5°	584.4	409.2	260.9	142.9	76.1	28.6	0.0
-50°	530.9	366.4	237.8	131.5	69.7	27.2	0.0
-52.5°	477.6	322.0	213.9	121.6	63.2	25.7	0.0
-55°	422.6	288.7	189.1	111.5	56.4	24.3	0.0
-57.5°	366.0	256.8	163.6	101.0	49.4	22.7	0.0
-60°	310.1	224.0	138.0	90.2	42.3	21.1	0.0
-62.5°	269.8	190.5	123.2	79.1	39.0	19.5	0.0
-65°	228.7	156.2	108.2	67.8	35.7	17.9	0.0
-67.5°	186.8	129.1	92.8	56.3	32.3	16.2	0.0
-70°	144.2	109.6	77.2	44.6	28.9	14.5	0.0
-72.5°	118.0	89.8	61.3	38.1	25.4	12.7	0.0
-75°	94.0	69.7	45.2	32.8	21.9	10.9	0.0
-77.5°	69.7	49.4	36.4	27.4	18.3	9.2	0.0
-80°	45.2	36.4	29.2	22.0	14.7	7.3	0.0
-82.5°	32.8	27.4	22.0	16.5	11.0	5.5	0.0
-85°	21.9	18.3	14.7	11.0	7.4	3.7	0.0
-87.5°	10.9	9.2	7.3	5.5	3.7	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)