

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: McGRAW-EDISON

Report Number: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-720PL-RGB-4S_ALL-ON**

Issue Date: 11/1/2023

Test Information

Test Method: LM-79-08
Report Number: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-140-16)
Test Lab: INNOVATION CENTER
Issue Date: 11/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: EPH-LS-16-720PL-RGB-4S_ALL-ON
Description: LUMASPORT 16 PRISM RGB
Light Source: -
Ballast/Driver: -

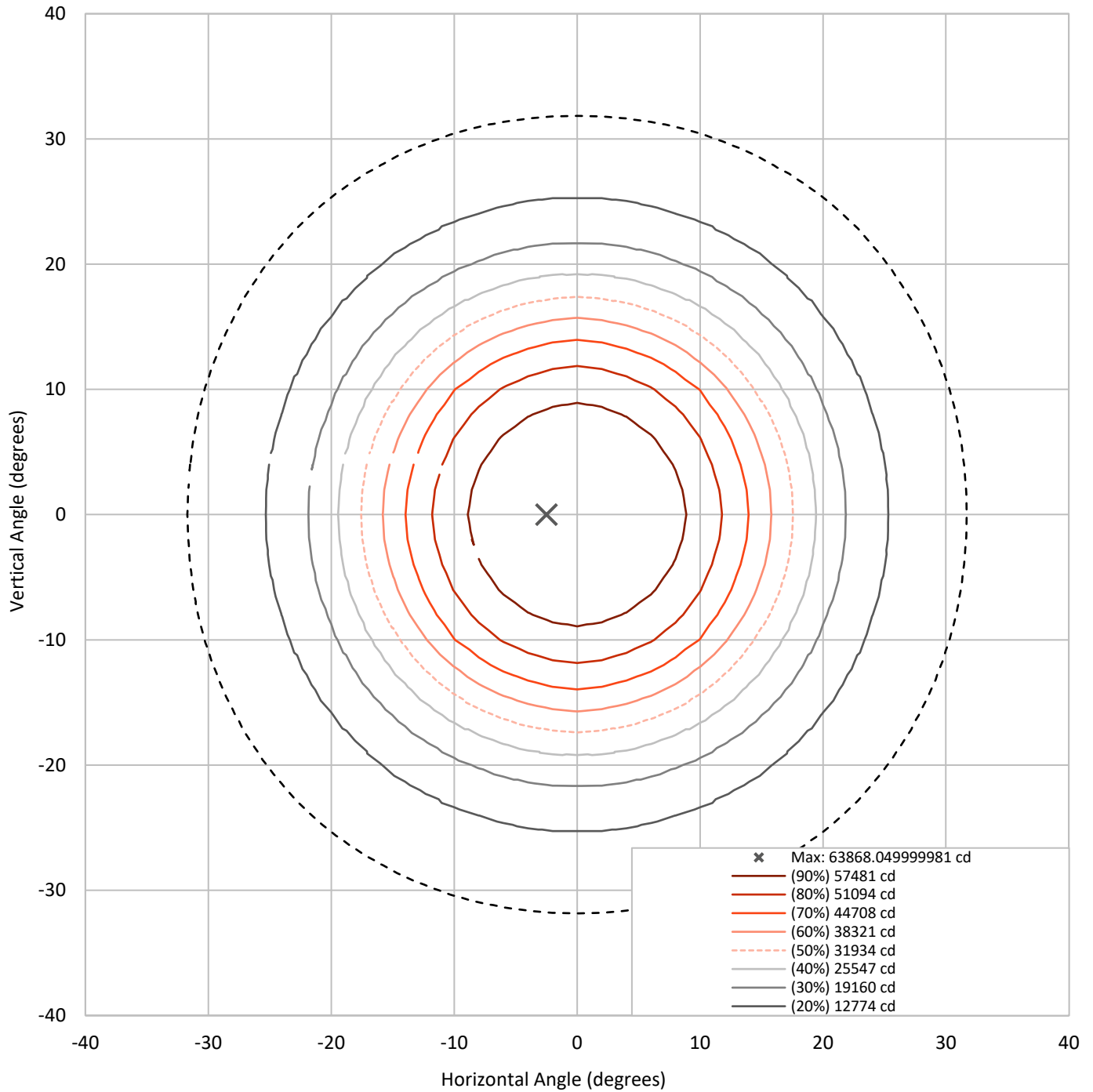
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	27110.8 lumens	Max Intensity:	63868 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	37.3 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	35°H x 34.3°V	Field Angle (10%):	63.4°H x 63.6°V
Beam Lumens:	14057.1 lumens	Field Lumens:	23648.2 lumens
Beam Efficiency:	51.9%	Field Efficiency:	87.2%
Input Watts (W):	727.2		
Input Voltage (V):	NR		
Input Current (A _{in}):	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		

REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

Iso-Candela Plot





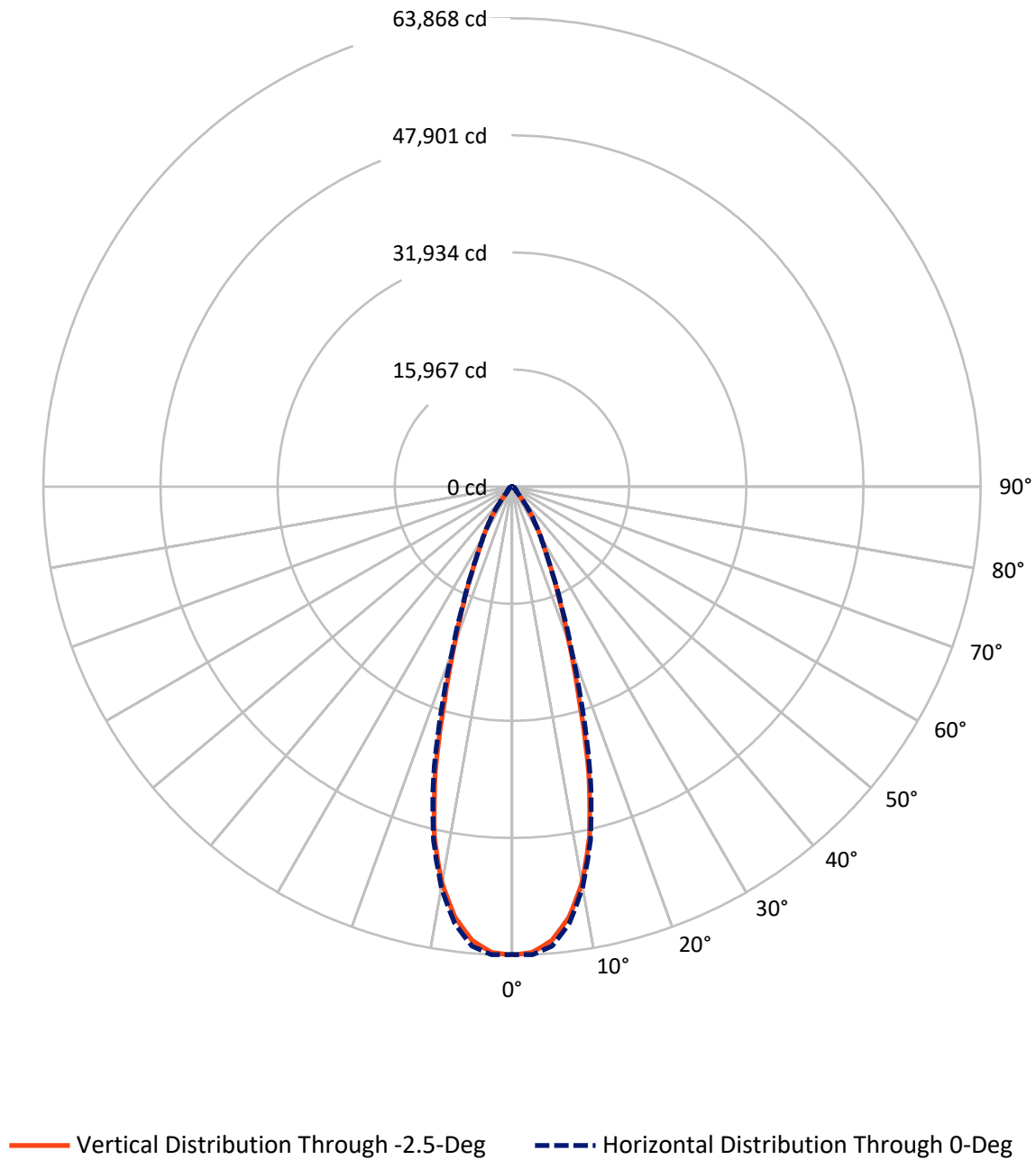
REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

Lumen Table

90	0.1	0.6	1.6	3.2	3.9	3.2	1.6	0.6	0.1										
80																			
70																			
60	0.3	0.3	0.8	1.8	3.4	5.2	6.7	7.6	7.6	6.7	5.2	3.4	1.8	0.8	0.3				0.3
50		0.6	2.0	4.9	8.4	11.6	14.1	15.6	15.6	14.1	11.6	8.4	4.9	2.0	0.6				
40	0.5	1.1	4.0	8.3	13.2	18.5	23.6	27.6	27.6	23.6	18.5	13.2	8.3	4.0	1.1				0.5
30		1.8	5.9	11.5	19.1	38.2	85.5	127.0	127.0	85.5	38.2	19.1	11.5	5.9	1.8				
20	0.8	2.5	7.3	14.6	35.4	124.0	262.6	393.2	393.2	262.6	124.0	35.4	14.6	7.3	2.5				0.8
10		3.1	8.4	17.7	73.8	246.2	632.3	1115.7	1115.7	632.3	246.2	73.8	17.7	8.4	3.1				
0	1.0	3.3	9.0	20.5	105.2	361.7	1093.6	1769.7	1769.7	1093.6	361.7	105.2	20.5	9.0	3.3				1.0
-10		3.3	9.0	20.5	105.2	361.7	1093.6	1769.7	1769.7	1093.6	361.7	105.2	20.5	9.0	3.3				
-20	0.8	3.1	8.4	17.7	73.8	246.2	632.3	1115.7	1115.7	632.3	246.2	73.8	17.7	8.4	3.1				0.8
-30		2.5	7.3	14.6	35.4	124.0	262.6	393.2	393.2	262.6	124.0	35.4	14.6	7.3	2.5				
-40	0.5	1.8	5.9	11.5	19.1	38.2	85.5	127.0	127.0	85.5	38.2	19.1	11.5	5.9	1.8				0.5
-50		1.1	4.0	8.3	13.2	18.5	23.6	27.6	27.6	23.6	18.5	13.2	8.3	4.0	1.1				
-60	0.3	0.6	2.0	4.9	8.4	11.6	14.1	15.6	15.6	14.1	11.6	8.4	4.9	2.0	0.6				0.3
-70		0.3	0.8	1.8	3.4	5.2	6.7	7.6	7.6	6.7	5.2	3.4	1.8	0.8	0.3				
-80	0.1	0.6	1.6	3.2	3.9	3.2	1.6	0.6	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

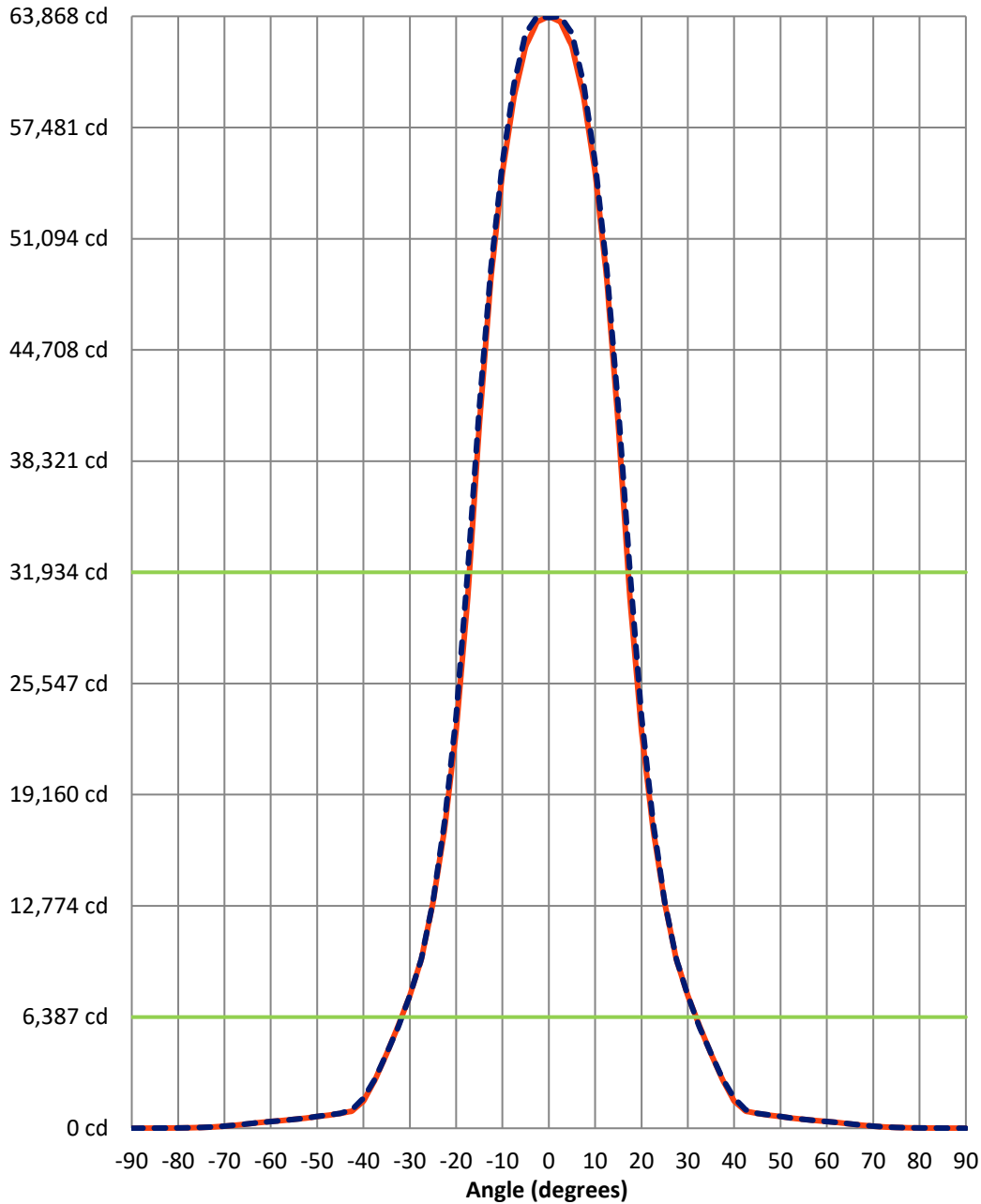
REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

Luminous Intensity Polar Plot



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 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

Luminous Intensity Plot



Beam:
 H Angle: 35°
 V Angle: 34.3°
 Lumens: 14057.1
 Efficiency: 51.9%

Field:
 H Angle: 63.4°
 V Angle: 63.6°
 Lumens: 23648.2
 Efficiency: 87.2%

Spill:
 Lumens: 3462.6
 Efficiency: 12.8%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	6.6	6.9
80°	0.0	1.1	2.2	3.2	4.3	5.3	6.3	6.7	7.1	7.5	7.9
77.5°	0.0	1.3	2.7	4.0	5.3	6.4	6.9	7.4	7.9	8.5	9.2
75°	0.0	1.6	3.2	4.8	6.3	6.9	7.5	8.2	8.9	10.1	11.3
72.5°	0.0	1.9	3.7	5.6	6.7	7.4	8.2	9.1	10.5	11.9	13.3
70°	0.0	2.1	4.2	6.3	7.1	7.9	8.9	10.5	12.1	13.7	15.3
67.5°	0.0	2.4	4.7	6.6	7.5	8.5	10.1	11.9	13.7	15.5	17.2
65°	0.0	2.6	5.2	6.9	7.9	9.2	11.3	13.3	15.3	17.2	19.8
62.5°	0.0	2.9	5.7	7.2	8.3	10.2	12.4	14.6	16.8	19.3	23.6
60°	0.0	3.1	6.2	7.4	8.7	11.1	13.6	15.9	18.3	22.7	27.4
57.5°	0.0	3.3	6.4	7.7	9.4	12.1	14.7	17.2	21.0	26.1	33.4
55°	0.0	3.6	6.6	8.0	10.1	13.0	15.7	18.5	23.9	30.0	40.3
52.5°	0.0	3.8	6.7	8.3	10.8	13.8	16.8	20.8	26.7	36.1	47.1
50°	0.0	4.0	6.9	8.5	11.5	14.7	17.8	23.1	30.2	42.2	56.6
47.5°	0.0	4.2	7.1	8.8	12.2	15.5	18.9	25.3	35.4	48.0	66.1
45°	0.0	4.4	7.2	9.3	12.8	16.3	20.7	27.4	40.4	56.2	75.3
42.5°	0.0	4.6	7.4	9.7	13.4	17.0	22.4	30.7	45.1	64.2	89.3
40°	0.0	4.7	7.5	10.2	14.0	17.7	24.0	34.6	50.3	71.8	103.4
37.5°	0.0	4.9	7.7	10.6	14.5	18.4	25.4	38.4	56.6	80.2	116.6
35°	0.0	5.1	7.8	11.0	15.0	19.4	26.8	42.0	62.5	91.4	130.1
32.5°	0.0	5.2	7.9	11.3	15.5	20.5	28.6	45.3	68.1	102.0	144.7
30°	0.0	5.4	8.0	11.7	16.0	21.5	31.2	48.8	73.3	111.9	158.4
27.5°	0.0	5.5	8.1	12.0	16.4	22.4	33.7	53.0	79.4	121.2	171.0
25°	0.0	5.6	8.2	12.3	16.7	23.2	36.0	56.8	86.9	131.0	182.7
22.5°	0.0	5.7	8.3	12.6	17.1	24.0	38.0	60.4	93.8	140.4	195.5
20°	0.0	5.8	8.4	12.8	17.4	24.8	39.9	63.5	100.1	148.9	207.3
17.5°	0.0	5.9	8.5	13.0	17.7	25.5	41.6	66.3	105.6	156.5	218.0
15°	0.0	6.0	8.5	13.2	17.9	26.2	43.1	68.8	110.5	163.0	227.5
12.5°	0.0	6.1	8.6	13.3	18.1	26.8	44.4	70.9	114.5	168.5	235.8
10°	0.0	6.1	8.6	13.5	18.3	27.3	45.4	72.7	117.8	172.9	242.7
7.5°	0.0	6.1	8.7	13.6	18.4	27.8	46.2	74.0	120.2	176.2	247.9
5°	0.0	6.2	8.7	13.6	18.5	28.1	46.8	75.0	121.9	178.5	251.6
2.5°	0.0	6.2	8.7	13.7	18.6	28.4	47.1	75.6	122.8	179.8	253.8
0°	0.0	6.2	8.7	13.7	18.6	28.6	47.2	75.8	122.9	180.1	254.6
-2.5°	0.0	6.2	8.7	13.7	18.6	28.4	47.1	75.6	122.8	179.8	253.8
-5°	0.0	6.2	8.7	13.6	18.5	28.1	46.8	75.0	121.9	178.5	251.6
-7.5°	0.0	6.1	8.7	13.6	18.4	27.8	46.2	74.0	120.2	176.2	247.9
-10°	0.0	6.1	8.6	13.5	18.3	27.3	45.4	72.7	117.8	172.9	242.7
-12.5°	0.0	6.1	8.6	13.3	18.1	26.8	44.4	70.9	114.5	168.5	235.8
-15°	0.0	6.0	8.5	13.2	17.9	26.2	43.1	68.8	110.5	163.0	227.5
-17.5°	0.0	5.9	8.5	13.0	17.7	25.5	41.6	66.3	105.6	156.5	218.0
-20°	0.0	5.8	8.4	12.8	17.4	24.8	39.9	63.5	100.1	148.9	207.3



REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.7	8.3	12.6	17.1	24.0	38.0	60.4	93.8	140.4	195.5
-25°	0.0	5.6	8.2	12.3	16.7	23.2	36.0	56.8	86.9	131.0	182.7
-27.5°	0.0	5.5	8.1	12.0	16.4	22.4	33.7	53.0	79.4	121.2	171.0
-30°	0.0	5.4	8.0	11.7	16.0	21.5	31.2	48.8	73.3	111.9	158.4
-32.5°	0.0	5.2	7.9	11.3	15.5	20.5	28.6	45.3	68.1	102.0	144.7
-35°	0.0	5.1	7.8	11.0	15.0	19.4	26.8	42.0	62.5	91.4	130.1
-37.5°	0.0	4.9	7.7	10.6	14.5	18.4	25.4	38.4	56.6	80.2	116.6
-40°	0.0	4.7	7.5	10.2	14.0	17.7	24.0	34.6	50.3	71.8	103.4
-42.5°	0.0	4.6	7.4	9.7	13.4	17.0	22.4	30.7	45.1	64.2	89.3
-45°	0.0	4.4	7.2	9.3	12.8	16.3	20.7	27.4	40.4	56.2	75.3
-47.5°	0.0	4.2	7.1	8.8	12.2	15.5	18.9	25.3	35.4	48.0	66.1
-50°	0.0	4.0	6.9	8.5	11.5	14.7	17.8	23.1	30.2	42.2	56.6
-52.5°	0.0	3.8	6.7	8.3	10.8	13.8	16.8	20.8	26.7	36.1	47.1
-55°	0.0	3.6	6.6	8.0	10.1	13.0	15.7	18.5	23.9	30.0	40.3
-57.5°	0.0	3.3	6.4	7.7	9.4	12.1	14.7	17.2	21.0	26.1	33.4
-60°	0.0	3.1	6.2	7.4	8.7	11.1	13.6	15.9	18.3	22.7	27.4
-62.5°	0.0	2.9	5.7	7.2	8.3	10.2	12.4	14.6	16.8	19.3	23.6
-65°	0.0	2.6	5.2	6.9	7.9	9.2	11.3	13.3	15.3	17.2	19.8
-67.5°	0.0	2.4	4.7	6.6	7.5	8.5	10.1	11.9	13.7	15.5	17.2
-70°	0.0	2.1	4.2	6.3	7.1	7.9	8.9	10.5	12.1	13.7	15.3
-72.5°	0.0	1.9	3.7	5.6	6.7	7.4	8.2	9.1	10.5	11.9	13.3
-75°	0.0	1.6	3.2	4.8	6.3	6.9	7.5	8.2	8.9	10.1	11.3
-77.5°	0.0	1.3	2.7	4.0	5.3	6.4	6.9	7.4	7.9	8.5	9.2
-80°	0.0	1.1	2.2	3.2	4.3	5.3	6.3	6.7	7.1	7.5	7.9
-82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	6.6	6.9
-85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
-87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
85°	5.7	6.2	6.4	6.6	6.7	6.9	7.1	7.2	7.4	7.5	7.7
82.5°	7.2	7.4	7.7	8.0	8.3	8.5	8.8	9.3	9.7	10.2	10.6
80°	8.3	8.7	9.4	10.1	10.8	11.5	12.2	12.8	13.4	14.0	14.5
77.5°	10.2	11.1	12.1	13.0	13.8	14.7	15.5	16.3	17.0	17.7	18.4
75°	12.4	13.6	14.7	15.7	16.8	17.8	18.9	20.8	22.6	24.3	26.0
72.5°	14.6	15.9	17.2	18.5	20.8	23.2	25.5	27.7	30.9	34.7	38.3
70°	16.8	18.3	21.0	23.9	26.7	30.1	35.0	39.7	44.3	49.6	56.2
67.5°	19.3	22.7	26.1	29.9	35.8	41.5	47.1	56.1	65.1	72.8	80.9
65°	23.6	27.4	33.2	40.0	46.5	56.5	66.9	77.4	91.8	105.2	118.2
62.5°	27.8	34.9	42.5	51.4	63.0	74.6	91.0	108.3	124.8	143.6	162.0
60°	34.9	43.3	54.0	66.8	81.1	101.3	120.9	143.0	165.4	186.9	209.4
57.5°	42.6	53.9	67.8	85.4	107.9	130.3	156.4	181.6	208.2	233.8	259.3
55°	51.5	66.3	85.1	110.3	135.9	164.3	193.4	223.9	253.0	283.4	313.5
52.5°	62.7	80.3	108.1	136.1	166.4	199.2	233.7	267.5	301.5	333.3	361.9
50°	73.5	101.1	131.1	163.0	198.3	236.8	274.9	312.6	346.2	377.5	406.0
47.5°	89.7	121.0	154.8	190.7	233.2	275.2	316.7	352.4	386.5	416.8	445.1
45°	107.0	141.7	177.6	222.6	268.2	313.8	352.6	388.8	422.2	455.2	490.4
42.5°	123.4	162.3	205.3	253.8	303.5	347.1	385.6	421.8	458.9	498.5	536.9
40°	141.4	182.5	232.7	285.2	335.9	376.6	415.4	454.9	499.6	541.3	582.9
37.5°	159.1	206.1	258.8	314.9	362.0	403.6	443.6	492.5	538.6	582.0	644.7
35°	176.0	228.3	284.7	339.7	385.8	428.4	477.5	529.0	576.7	638.9	701.7
32.5°	193.8	248.8	308.9	360.5	407.5	454.2	511.0	564.2	624.1	692.1	749.8
30°	211.4	269.4	330.1	380.0	428.3	483.2	542.6	600.7	671.4	735.6	801.6
27.5°	228.0	288.6	346.7	398.1	449.2	509.8	571.1	641.1	711.5	778.8	853.7
25°	243.7	307.5	362.1	415.2	471.7	534.2	599.5	677.7	748.1	824.4	936.2
22.5°	258.9	325.1	377.5	431.2	491.9	556.6	631.1	709.4	783.5	867.8	1022.8
20°	273.4	338.0	391.6	446.6	509.9	576.8	660.5	737.5	817.6	939.9	1228.0
17.5°	286.4	349.6	404.0	461.8	527.0	597.6	686.8	762.3	847.3	1004.7	1473.4
15°	297.9	359.7	414.7	475.2	541.6	618.6	706.5	786.2	888.1	1103.1	1698.6
12.5°	308.0	368.4	423.7	486.6	553.4	636.7	723.2	807.8	934.8	1278.6	2031.2
10°	316.5	375.6	430.9	496.0	562.6	651.6	736.8	826.6	973.7	1430.2	2308.2
7.5°	322.1	380.8	436.4	503.4	569.3	663.3	747.3	842.2	1003.7	1553.8	2526.1
5°	325.8	384.0	440.3	508.3	574.6	672.2	755.2	854.2	1024.9	1647.2	2681.8
2.5°	327.7	385.8	442.6	511.1	578.4	678.2	762.3	857.9	1046.4	1708.5	2785.7
0°	327.9	386.2	443.4	511.7	580.0	680.6	766.2	856.9	1061.8	1734.9	2837.7
-2.5°	327.7	385.8	442.6	511.1	578.4	678.2	762.3	857.9	1046.4	1708.5	2785.7
-5°	325.8	384.0	440.3	508.3	574.6	672.2	755.2	854.2	1024.9	1647.2	2681.8
-7.5°	322.1	380.8	436.4	503.4	569.3	663.3	747.3	842.2	1003.7	1553.8	2526.1
-10°	316.5	375.6	430.9	496.0	562.6	651.6	736.8	826.6	973.7	1430.2	2308.2
-12.5°	308.0	368.4	423.7	486.6	553.4	636.7	723.2	807.8	934.8	1278.6	2031.2
-15°	297.9	359.7	414.7	475.2	541.6	618.6	706.5	786.2	888.1	1103.1	1698.6
-17.5°	286.4	349.6	404.0	461.8	527.0	597.6	686.8	762.3	847.3	1004.7	1473.4
-20°	273.4	338.0	391.6	446.6	509.9	576.8	660.5	737.5	817.6	939.9	1228.0



REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	258.9	325.1	377.5	431.2	491.9	556.6	631.1	709.4	783.5	867.8	1022.8
-25°	243.7	307.5	362.1	415.2	471.7	534.2	599.5	677.7	748.1	824.4	936.2
-27.5°	228.0	288.6	346.7	398.1	449.2	509.8	571.1	641.1	711.5	778.8	853.7
-30°	211.4	269.4	330.1	380.0	428.3	483.2	542.6	600.7	671.4	735.6	801.6
-32.5°	193.8	248.8	308.9	360.5	407.5	454.2	511.0	564.2	624.1	692.1	749.8
-35°	176.0	228.3	284.7	339.7	385.8	428.4	477.5	529.0	576.7	638.9	701.7
-37.5°	159.1	206.1	258.8	314.9	362.0	403.6	443.6	492.5	538.6	582.0	644.7
-40°	141.4	182.5	232.7	285.2	335.9	376.6	415.4	454.9	499.6	541.3	582.9
-42.5°	123.4	162.3	205.3	253.8	303.5	347.1	385.6	421.8	458.9	498.5	536.9
-45°	107.0	141.7	177.6	222.6	268.2	313.8	352.6	388.8	422.2	455.2	490.4
-47.5°	89.7	121.0	154.8	190.7	233.2	275.2	316.7	352.4	386.5	416.8	445.1
-50°	73.5	101.1	131.1	163.0	198.3	236.8	274.9	312.6	346.2	377.5	406.0
-52.5°	62.7	80.3	108.1	136.1	166.4	199.2	233.7	267.5	301.5	333.3	361.9
-55°	51.5	66.3	85.1	110.3	135.9	164.3	193.4	223.9	253.0	283.4	313.5
-57.5°	42.6	53.9	67.8	85.4	107.9	130.3	156.4	181.6	208.2	233.8	259.3
-60°	34.9	43.3	54.0	66.8	81.1	101.3	120.9	143.0	165.4	186.9	209.4
-62.5°	27.8	34.9	42.5	51.4	63.0	74.6	91.0	108.3	124.8	143.6	162.0
-65°	23.6	27.4	33.2	40.0	46.5	56.5	66.9	77.4	91.8	105.2	118.2
-67.5°	19.3	22.7	26.1	29.9	35.8	41.5	47.1	56.1	65.1	72.8	80.9
-70°	16.8	18.3	21.0	23.9	26.7	30.1	35.0	39.7	44.3	49.6	56.2
-72.5°	14.6	15.9	17.2	18.5	20.8	23.2	25.5	27.7	30.9	34.7	38.3
-75°	12.4	13.6	14.7	15.7	16.8	17.8	18.9	20.8	22.6	24.3	26.0
-77.5°	10.2	11.1	12.1	13.0	13.8	14.7	15.5	16.3	17.0	17.7	18.4
-80°	8.3	8.7	9.4	10.1	10.8	11.5	12.2	12.8	13.4	14.0	14.5
-82.5°	7.2	7.4	7.7	8.0	8.3	8.5	8.8	9.3	9.7	10.2	10.6
-85°	5.7	6.2	6.4	6.6	6.7	6.9	7.1	7.2	7.4	7.5	7.7
-87.5°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
85°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.6
82.5°	11.0	11.3	11.7	12.0	12.3	12.6	12.8	13.0	13.2	13.3	13.5
80°	15.0	15.5	16.0	16.4	16.7	17.1	17.4	17.7	17.9	18.1	18.3
77.5°	19.4	20.7	21.8	22.9	23.9	24.7	25.5	26.3	26.9	27.4	27.8
75°	27.6	29.4	32.1	34.6	37.0	39.1	40.8	42.2	43.4	44.5	45.5
72.5°	41.7	45.0	48.7	53.2	57.2	60.7	63.7	66.4	68.8	70.7	72.1
70°	62.0	67.4	72.7	78.9	86.6	93.6	99.9	105.6	110.5	114.3	117.0
67.5°	91.7	102.1	112.3	121.7	131.4	141.0	149.9	157.7	164.6	170.0	174.2
65°	131.9	146.9	160.7	173.4	184.9	197.0	208.4	218.5	227.3	234.4	239.6
62.5°	179.6	197.5	214.6	230.5	245.3	259.6	273.0	284.5	294.1	302.3	310.4
60°	231.0	251.6	273.4	293.2	311.1	327.1	339.0	349.7	359.3	368.0	376.3
57.5°	286.2	312.4	335.7	352.9	369.0	384.1	397.2	408.7	418.9	427.8	435.0
55°	340.9	364.5	385.9	404.2	420.7	435.9	450.4	465.5	478.2	488.5	497.1
52.5°	388.9	411.4	432.6	452.9	474.1	494.5	513.5	528.7	542.2	553.8	564.1
50°	431.0	456.3	482.4	507.0	532.2	555.0	574.6	595.0	616.3	634.8	650.0
47.5°	476.2	506.0	536.6	566.2	595.0	626.5	655.1	680.9	701.9	720.1	734.0
45°	524.5	560.1	596.1	636.6	673.5	704.4	732.0	757.0	783.0	804.8	821.9
42.5°	575.9	623.1	669.8	708.4	743.4	778.9	814.6	846.7	881.0	913.5	938.7
40°	639.5	692.1	733.6	775.3	820.9	864.5	923.9	973.5	1052.2	1200.3	1322.6
37.5°	701.6	748.9	798.8	849.9	924.3	997.6	1170.0	1381.3	1577.8	1939.0	2240.7
35°	754.1	811.2	871.9	965.6	1122.9	1391.9	1733.3	2252.3	2703.8	3170.6	3583.5
32.5°	812.5	885.5	990.6	1247.0	1569.3	2175.4	2791.9	3450.4	4055.3	4607.2	5087.4
30°	877.6	998.5	1300.3	1724.1	2444.0	3201.4	3998.4	4753.2	5458.2	6104.2	6665.4
27.5°	981.1	1273.2	1741.3	2529.5	3391.7	4285.8	5227.0	6080.4	6959.3	7704.4	8388.7
25°	1156.8	1631.9	2446.5	3385.5	4386.8	5488.2	6552.0	7578.4	8586.1	9546.9	10476.6
22.5°	1471.5	2218.0	3176.1	4258.4	5464.9	6702.4	7918.7	9141.6	10648.6	12223.8	13941.5
20°	1834.7	2795.3	3932.2	5187.4	6505.7	7875.0	9331.6	11217.3	13580.7	15809.9	18008.6
17.5°	2317.2	3422.3	4676.3	6058.0	7498.9	9112.8	11200.7	13946.9	16764.1	19961.9	22960.5
15°	2734.2	3992.5	5390.4	6888.9	8557.2	10529.2	13509.2	16895.6	20659.0	24995.8	29951.9
12.5°	3167.0	4540.1	6022.7	7609.2	9512.7	12279.0	15926.6	20097.9	25044.1	31321.9	37320.6
10°	3564.7	5021.2	6576.3	8331.7	10488.2	13914.3	18128.0	23155.9	29988.1	37568.1	44555.6
7.5°	3887.5	5380.6	7007.2	8903.6	11492.1	15458.0	20179.7	26683.4	34953.4	42927.7	49426.6
5°	4125.6	5629.5	7317.2	9355.2	12357.8	16646.4	21976.9	29694.3	38475.5	46508.7	52561.3
2.5°	4266.5	5772.7	7511.4	9647.1	12931.8	17499.1	23197.0	31637.0	40814.5	48715.3	54695.9
0°	4300.7	5819.5	7621.5	9743.3	13017.5	17600.1	23674.2	32012.3	41386.1	49369.6	55444.3
-2.5°	4266.5	5772.7	7511.4	9647.1	12931.8	17499.1	23197.0	31637.0	40814.5	48715.3	54695.9
-5°	4125.6	5629.5	7317.2	9355.2	12357.8	16646.4	21976.9	29694.3	38475.5	46508.7	52561.3
-7.5°	3887.5	5380.6	7007.2	8903.6	11492.1	15458.0	20179.7	26683.4	34953.4	42927.7	49426.6
-10°	3564.7	5021.2	6576.3	8331.7	10488.2	13914.3	18128.0	23155.9	29988.1	37568.1	44555.6
-12.5°	3167.0	4540.1	6022.7	7609.2	9512.7	12279.0	15926.6	20097.9	25044.1	31321.9	37320.6
-15°	2734.2	3992.5	5390.4	6888.9	8557.2	10529.2	13509.2	16895.6	20659.0	24995.8	29951.9
-17.5°	2317.2	3422.3	4676.3	6058.0	7498.9	9112.8	11200.7	13946.9	16764.1	19961.9	22960.5
-20°	1834.7	2795.3	3932.2	5187.4	6505.7	7875.0	9331.6	11217.3	13580.7	15809.9	18008.6



REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1471.5	2218.0	3176.1	4258.4	5464.9	6702.4	7918.7	9141.6	10648.6	12223.8	13941.5
-25°	1156.8	1631.9	2446.5	3385.5	4386.8	5488.2	6552.0	7578.4	8586.1	9546.9	10476.6
-27.5°	981.1	1273.2	1741.3	2529.5	3391.7	4285.8	5227.0	6080.4	6959.3	7704.4	8388.7
-30°	877.6	998.5	1300.3	1724.1	2444.0	3201.4	3998.4	4753.2	5458.2	6104.2	6665.4
-32.5°	812.5	885.5	990.6	1247.0	1569.3	2175.4	2791.9	3450.4	4055.3	4607.2	5087.4
-35°	754.1	811.2	871.9	965.6	1122.9	1391.9	1733.3	2252.3	2703.8	3170.6	3583.5
-37.5°	701.6	748.9	798.8	849.9	924.3	997.6	1170.0	1381.3	1577.8	1939.0	2240.7
-40°	639.5	692.1	733.6	775.3	820.9	864.5	923.9	973.5	1052.2	1200.3	1322.6
-42.5°	575.9	623.1	669.8	708.4	743.4	778.9	814.6	846.7	881.0	913.5	938.7
-45°	524.5	560.1	596.1	636.6	673.5	704.4	732.0	757.0	783.0	804.8	821.9
-47.5°	476.2	506.0	536.6	566.2	595.0	626.5	655.1	680.9	701.9	720.1	734.0
-50°	431.0	456.3	482.4	507.0	532.2	555.0	574.6	595.0	616.3	634.8	650.0
-52.5°	388.9	411.4	432.6	452.9	474.1	494.5	513.5	528.7	542.2	553.8	564.1
-55°	340.9	364.5	385.9	404.2	420.7	435.9	450.4	465.5	478.2	488.5	497.1
-57.5°	286.2	312.4	335.7	352.9	369.0	384.1	397.2	408.7	418.9	427.8	435.0
-60°	231.0	251.6	273.4	293.2	311.1	327.1	339.0	349.7	359.3	368.0	376.3
-62.5°	179.6	197.5	214.6	230.5	245.3	259.6	273.0	284.5	294.1	302.3	310.4
-65°	131.9	146.9	160.7	173.4	184.9	197.0	208.4	218.5	227.3	234.4	239.6
-67.5°	91.7	102.1	112.3	121.7	131.4	141.0	149.9	157.7	164.6	170.0	174.2
-70°	62.0	67.4	72.7	78.9	86.6	93.6	99.9	105.6	110.5	114.3	117.0
-72.5°	41.7	45.0	48.7	53.2	57.2	60.7	63.7	66.4	68.8	70.7	72.1
-75°	27.6	29.4	32.1	34.6	37.0	39.1	40.8	42.2	43.4	44.5	45.5
-77.5°	19.4	20.7	21.8	22.9	23.9	24.7	25.5	26.3	26.9	27.4	27.8
-80°	15.0	15.5	16.0	16.4	16.7	17.1	17.4	17.7	17.9	18.1	18.3
-82.5°	11.0	11.3	11.7	12.0	12.3	12.6	12.8	13.0	13.2	13.3	13.5
-85°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.6
-87.5°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5
82.5°	13.6	13.6	13.7	13.7	13.7	13.6	13.6	13.5	13.3	13.2	13.0
80°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.3	18.1	17.9	17.7
77.5°	28.2	28.4	28.6	28.6	28.6	28.4	28.2	27.8	27.4	26.9	26.3
75°	46.2	46.8	47.1	47.2	47.1	46.8	46.2	45.5	44.5	43.4	42.2
72.5°	73.2	73.8	73.7	73.3	73.7	73.8	73.2	72.1	70.7	68.8	66.4
70°	119.1	120.3	120.8	120.5	120.8	120.3	119.1	117.0	114.3	110.5	105.6
67.5°	177.2	179.3	179.6	178.8	179.6	179.3	177.2	174.2	170.0	164.6	157.7
65°	243.4	245.9	248.2	249.6	248.2	245.9	243.4	239.6	234.4	227.3	218.5
62.5°	317.2	322.8	326.3	327.9	326.3	322.8	317.2	310.4	302.3	294.1	284.5
60°	382.9	387.7	389.9	390.0	389.9	387.7	382.9	376.3	368.0	359.3	349.7
57.5°	440.4	444.1	445.8	445.8	445.8	444.1	440.4	435.0	427.8	418.9	408.7
55°	504.0	508.9	512.3	514.1	512.3	508.9	504.0	497.1	488.5	478.2	465.5
52.5°	572.6	578.8	581.6	581.2	581.6	578.8	572.6	564.1	553.8	542.2	528.7
50°	661.4	669.2	673.0	673.1	673.0	669.2	661.4	650.0	634.8	616.3	595.0
47.5°	743.2	748.8	752.6	755.1	752.6	748.8	743.2	734.0	720.1	701.9	680.9
45°	835.1	844.9	851.0	853.2	851.0	844.9	835.1	821.9	804.8	783.0	757.0
42.5°	959.3	973.4	984.5	996.0	984.5	973.4	959.3	938.7	913.5	881.0	846.7
40°	1428.5	1510.1	1562.1	1578.4	1562.1	1510.1	1428.5	1322.6	1200.3	1052.2	973.5
37.5°	2484.8	2663.0	2789.2	2912.2	2789.2	2663.0	2484.8	2240.7	1939.0	1577.8	1381.3
35°	3910.1	4141.3	4278.3	4323.0	4278.3	4141.3	3910.1	3583.5	3170.6	2703.8	2252.3
32.5°	5466.9	5731.4	5888.3	5942.5	5888.3	5731.4	5466.9	5087.4	4607.2	4055.3	3450.4
30°	7099.3	7418.5	7616.6	7642.6	7616.6	7418.5	7099.3	6665.4	6104.2	5458.2	4753.2
27.5°	8980.5	9430.0	9717.6	9760.7	9717.6	9430.0	8980.5	8388.7	7704.4	6959.3	6080.4
25°	11514.2	12408.4	12959.9	12959.1	12959.9	12408.4	11514.2	10476.6	9546.9	8586.1	7578.4
22.5°	15344.2	16416.4	17202.9	17318.2	17202.9	16416.4	15344.2	13941.5	12223.8	10648.6	9141.6
20°	20024.7	21726.2	22837.8	22860.8	22837.8	21726.2	20024.7	18008.6	15809.9	13580.7	11217.3
17.5°	26180.4	28732.5	30489.5	31327.4	30489.5	28732.5	26180.4	22960.5	19961.9	16764.1	13946.9
15°	34370.5	37958.6	40379.9	41259.4	40379.9	37958.6	34370.5	29951.9	24995.8	20659.0	16895.6
12.5°	42938.6	46575.0	48806.3	49503.1	48806.3	46575.0	42938.6	37320.6	31321.9	25044.1	20097.9
10°	49460.5	52871.0	54899.1	55713.8	54899.1	52871.0	49460.5	44555.6	37568.1	29988.1	23155.9
7.5°	54155.0	57354.0	59253.6	59830.1	59253.6	57354.0	54155.0	49426.6	42927.7	34953.4	26683.4
5°	57331.9	60658.2	62137.5	62540.4	62137.5	60658.2	57331.9	52561.3	46508.7	38475.5	29694.3
2.5°	59289.2	62187.4	63552.0	63558.2	63552.0	62187.4	59289.2	54695.9	48715.3	40814.5	31637.0
0°	60000.8	62883.2	63868.0	63798.5	63868.0	62883.2	60000.8	55444.3	49369.6	41386.1	32012.3
-2.5°	59289.2	62187.4	63552.0	63558.2	63552.0	62187.4	59289.2	54695.9	48715.3	40814.5	31637.0
-5°	57331.9	60658.2	62137.5	62540.4	62137.5	60658.2	57331.9	52561.3	46508.7	38475.5	29694.3
-7.5°	54155.0	57354.0	59253.6	59830.0	59253.6	57354.0	54155.0	49426.6	42927.7	34953.4	26683.4
-10°	49460.5	52871.0	54899.1	55713.8	54899.1	52871.0	49460.5	44555.6	37568.1	29988.1	23155.9
-12.5°	42938.6	46575.0	48806.3	49503.1	48806.3	46575.0	42938.6	37320.6	31321.9	25044.1	20097.9
-15°	34370.5	37958.6	40379.9	41259.4	40379.9	37958.6	34370.5	29951.9	24995.8	20659.0	16895.6
-17.5°	26180.4	28732.5	30489.5	31327.3	30489.5	28732.5	26180.4	22960.5	19961.9	16764.1	13946.9
-20°	20024.7	21726.2	22837.8	22860.8	22837.8	21726.2	20024.7	18008.6	15809.9	13580.7	11217.3



REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15344.2	16416.4	17202.9	17318.2	17202.9	16416.4	15344.2	13941.5	12223.8	10648.6	9141.6
-25°	11514.2	12408.4	12959.9	12959.1	12959.9	12408.4	11514.2	10476.6	9546.9	8586.1	7578.4
-27.5°	8980.5	9430.0	9717.6	9760.7	9717.6	9430.0	8980.5	8388.7	7704.4	6959.3	6080.4
-30°	7099.3	7418.5	7616.6	7642.6	7616.6	7418.5	7099.3	6665.4	6104.2	5458.2	4753.2
-32.5°	5466.9	5731.4	5888.3	5942.5	5888.3	5731.4	5466.9	5087.4	4607.2	4055.3	3450.4
-35°	3910.1	4141.3	4278.3	4323.0	4278.3	4141.3	3910.1	3583.5	3170.6	2703.8	2252.3
-37.5°	2484.8	2663.0	2789.2	2912.2	2789.2	2663.0	2484.8	2240.7	1939.0	1577.8	1381.3
-40°	1428.5	1510.1	1562.1	1578.4	1562.1	1510.1	1428.5	1322.6	1200.3	1052.2	973.5
-42.5°	959.3	973.4	984.5	996.0	984.5	973.4	959.3	938.7	913.5	881.0	846.7
-45°	835.1	844.9	851.0	853.2	851.0	844.9	835.1	821.9	804.8	783.0	757.0
-47.5°	743.2	748.8	752.6	755.1	752.6	748.8	743.2	734.0	720.1	701.9	680.9
-50°	661.4	669.2	673.0	673.1	673.0	669.2	661.4	650.0	634.8	616.3	595.0
-52.5°	572.6	578.8	581.6	581.2	581.6	578.8	572.6	564.1	553.8	542.2	528.7
-55°	504.0	508.9	512.3	514.1	512.3	508.9	504.0	497.1	488.5	478.2	465.5
-57.5°	440.4	444.1	445.8	445.8	445.8	444.1	440.4	435.0	427.8	418.9	408.7
-60°	382.9	387.7	389.9	390.0	389.9	387.7	382.9	376.3	368.0	359.3	349.7
-62.5°	317.2	322.8	326.3	327.9	326.3	322.8	317.2	310.4	302.3	294.1	284.5
-65°	243.4	245.9	248.2	249.6	248.2	245.9	243.4	239.6	234.4	227.3	218.5
-67.5°	177.2	179.3	179.6	178.8	179.6	179.3	177.2	174.2	170.0	164.6	157.7
-70°	119.1	120.3	120.8	120.5	120.8	120.3	119.1	117.0	114.3	110.5	105.6
-72.5°	73.2	73.8	73.7	73.3	73.7	73.8	73.2	72.1	70.7	68.8	66.4
-75°	46.2	46.8	47.1	47.2	47.1	46.8	46.2	45.5	44.5	43.4	42.2
-77.5°	28.2	28.4	28.6	28.6	28.6	28.4	28.2	27.8	27.4	26.9	26.3
-80°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.3	18.1	17.9	17.7
-82.5°	13.6	13.6	13.7	13.7	13.7	13.6	13.6	13.5	13.3	13.2	13.0
-85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5
-87.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
85°	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.5	7.4	7.2
82.5°	12.8	12.6	12.3	12.0	11.7	11.3	11.0	10.6	10.2	9.7	9.3
80°	17.4	17.1	16.7	16.4	16.0	15.5	15.0	14.5	14.0	13.4	12.8
77.5°	25.5	24.7	23.9	22.9	21.8	20.7	19.4	18.4	17.7	17.0	16.3
75°	40.8	39.1	37.0	34.6	32.1	29.4	27.6	26.0	24.3	22.6	20.8
72.5°	63.7	60.7	57.2	53.2	48.7	45.0	41.7	38.3	34.7	30.9	27.7
70°	99.9	93.6	86.6	78.9	72.7	67.4	62.0	56.2	49.6	44.3	39.7
67.5°	149.9	141.0	131.4	121.7	112.3	102.1	91.7	80.9	72.8	65.1	56.1
65°	208.4	197.0	184.9	173.4	160.7	146.9	131.9	118.2	105.2	91.8	77.4
62.5°	273.0	259.6	245.3	230.5	214.6	197.5	179.6	162.0	143.6	124.8	108.3
60°	339.0	327.1	311.1	293.2	273.4	251.6	231.0	209.4	186.9	165.4	143.0
57.5°	397.2	384.1	369.0	352.9	335.7	312.4	286.2	259.3	233.8	208.2	181.6
55°	450.4	435.9	420.7	404.2	385.9	364.5	340.9	313.5	283.4	253.0	223.9
52.5°	513.5	494.5	474.1	452.9	432.6	411.4	388.9	361.9	333.3	301.5	267.5
50°	574.6	555.0	532.2	507.0	482.4	456.3	431.0	406.0	377.5	346.2	312.6
47.5°	655.1	626.5	595.0	566.2	536.6	506.0	476.2	445.1	416.8	386.5	352.4
45°	732.0	704.4	673.5	636.6	596.1	560.1	524.5	490.4	455.2	422.2	388.8
42.5°	814.6	778.9	743.4	708.4	669.8	623.1	575.9	536.9	498.5	458.9	421.8
40°	923.9	864.5	820.9	775.3	733.6	692.1	639.5	582.9	541.3	499.6	454.9
37.5°	1170.0	997.6	924.3	849.9	798.8	748.9	701.6	644.7	582.0	538.6	492.5
35°	1733.3	1391.9	1122.9	965.6	871.9	811.2	754.1	701.7	638.9	576.7	529.0
32.5°	2791.9	2175.4	1569.3	1247.0	990.6	885.5	812.5	749.8	692.1	624.1	564.2
30°	3998.4	3201.4	2444.0	1724.1	1300.3	998.5	877.6	801.6	735.6	671.4	600.7
27.5°	5227.0	4285.8	3391.7	2529.5	1741.3	1273.2	981.1	853.7	778.8	711.5	641.1
25°	6552.0	5488.2	4386.8	3385.5	2446.5	1631.9	1156.8	936.2	824.4	748.1	677.7
22.5°	7918.7	6702.4	5464.9	4258.4	3176.1	2218.0	1471.5	1022.8	867.8	783.5	709.4
20°	9331.6	7875.0	6505.7	5187.4	3932.2	2795.3	1834.7	1228.0	939.9	817.6	737.5
17.5°	11200.7	9112.8	7498.9	6058.0	4676.3	3422.3	2317.2	1473.4	1004.7	847.3	762.3
15°	13509.2	10529.2	8557.2	6888.9	5390.4	3992.5	2734.2	1698.6	1103.1	888.1	786.2
12.5°	15926.6	12279.0	9512.7	7609.2	6022.7	4540.1	3167.0	2031.2	1278.6	934.8	807.8
10°	18128.0	13914.3	10488.2	8331.7	6576.3	5021.2	3564.7	2308.2	1430.2	973.7	826.6
7.5°	20179.7	15458.0	11492.1	8903.6	7007.2	5380.6	3887.5	2526.1	1553.8	1003.7	842.2
5°	21976.9	16646.4	12357.8	9355.2	7317.2	5629.5	4125.6	2681.8	1647.2	1024.9	854.2
2.5°	23197.0	17499.1	12931.8	9647.1	7511.4	5772.7	4266.5	2785.7	1708.5	1046.4	857.9
0°	23674.2	17600.1	13017.5	9743.3	7621.5	5819.5	4300.7	2837.7	1734.9	1061.8	856.9
-2.5°	23197.0	17499.1	12931.8	9647.1	7511.4	5772.7	4266.5	2785.7	1708.5	1046.4	857.9
-5°	21976.9	16646.4	12357.8	9355.2	7317.2	5629.5	4125.6	2681.8	1647.2	1024.9	854.2
-7.5°	20179.7	15458.0	11492.1	8903.6	7007.2	5380.6	3887.5	2526.1	1553.8	1003.7	842.2
-10°	18128.0	13914.3	10488.2	8331.7	6576.3	5021.2	3564.7	2308.2	1430.2	973.7	826.6
-12.5°	15926.6	12279.0	9512.7	7609.2	6022.7	4540.1	3167.0	2031.2	1278.6	934.8	807.8
-15°	13509.2	10529.2	8557.2	6888.9	5390.4	3992.5	2734.2	1698.6	1103.1	888.1	786.2
-17.5°	11200.7	9112.8	7498.9	6058.0	4676.3	3422.3	2317.2	1473.4	1004.7	847.3	762.3
-20°	9331.6	7875.0	6505.7	5187.4	3932.2	2795.3	1834.7	1228.0	939.9	817.6	737.5



REPORT NUMBER: P722784 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-720PL-RGB-4S_ALL-ON

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7918.7	6702.4	5464.9	4258.4	3176.1	2218.0	1471.5	1022.8	867.8	783.5	709.4
-25°	6552.0	5488.2	4386.8	3385.5	2446.5	1631.9	1156.8	936.2	824.4	748.1	677.7
-27.5°	5227.0	4285.8	3391.7	2529.5	1741.3	1273.2	981.1	853.7	778.8	711.5	641.1
-30°	3998.4	3201.4	2444.0	1724.1	1300.3	998.5	877.6	801.6	735.6	671.4	600.7
-32.5°	2791.9	2175.4	1569.3	1247.0	990.6	885.5	812.5	749.8	692.1	624.1	564.2
-35°	1733.3	1391.9	1122.9	965.6	871.9	811.2	754.1	701.7	638.9	576.7	529.0
-37.5°	1170.0	997.6	924.3	849.9	798.8	748.9	701.6	644.7	582.0	538.6	492.5
-40°	923.9	864.5	820.9	775.3	733.6	692.1	639.5	582.9	541.3	499.6	454.9
-42.5°	814.6	778.9	743.4	708.4	669.8	623.1	575.9	536.9	498.5	458.9	421.8
-45°	732.0	704.4	673.5	636.6	596.1	560.1	524.5	490.4	455.2	422.2	388.8
-47.5°	655.1	626.5	595.0	566.2	536.6	506.0	476.2	445.1	416.8	386.5	352.4
-50°	574.6	555.0	532.2	507.0	482.4	456.3	431.0	406.0	377.5	346.2	312.6
-52.5°	513.5	494.5	474.1	452.9	432.6	411.4	388.9	361.9	333.3	301.5	267.5
-55°	450.4	435.9	420.7	404.2	385.9	364.5	340.9	313.5	283.4	253.0	223.9
-57.5°	397.2	384.1	369.0	352.9	335.7	312.4	286.2	259.3	233.8	208.2	181.6
-60°	339.0	327.1	311.1	293.2	273.4	251.6	231.0	209.4	186.9	165.4	143.0
-62.5°	273.0	259.6	245.3	230.5	214.6	197.5	179.6	162.0	143.6	124.8	108.3
-65°	208.4	197.0	184.9	173.4	160.7	146.9	131.9	118.2	105.2	91.8	77.4
-67.5°	149.9	141.0	131.4	121.7	112.3	102.1	91.7	80.9	72.8	65.1	56.1
-70°	99.9	93.6	86.6	78.9	72.7	67.4	62.0	56.2	49.6	44.3	39.7
-72.5°	63.7	60.7	57.2	53.2	48.7	45.0	41.7	38.3	34.7	30.9	27.7
-75°	40.8	39.1	37.0	34.6	32.1	29.4	27.6	26.0	24.3	22.6	20.8
-77.5°	25.5	24.7	23.9	22.9	21.8	20.7	19.4	18.4	17.7	17.0	16.3
-80°	17.4	17.1	16.7	16.4	16.0	15.5	15.0	14.5	14.0	13.4	12.8
-82.5°	12.8	12.6	12.3	12.0	11.7	11.3	11.0	10.6	10.2	9.7	9.3
-85°	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.5	7.4	7.2
-87.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
85°	7.1	6.9	6.7	6.6	6.4	6.2	5.7	5.2	4.7	4.2	3.7
82.5°	8.8	8.5	8.3	8.0	7.7	7.4	7.2	6.9	6.6	6.3	5.6
80°	12.2	11.5	10.8	10.1	9.4	8.7	8.3	7.9	7.5	7.1	6.7
77.5°	15.5	14.7	13.8	13.0	12.1	11.1	10.2	9.2	8.5	7.9	7.4
75°	18.9	17.8	16.8	15.7	14.7	13.6	12.4	11.3	10.1	8.9	8.2
72.5°	25.5	23.2	20.8	18.5	17.2	15.9	14.6	13.3	11.9	10.5	9.1
70°	35.0	30.1	26.7	23.9	21.0	18.3	16.8	15.3	13.7	12.1	10.5
67.5°	47.1	41.5	35.8	29.9	26.1	22.7	19.3	17.2	15.5	13.7	11.9
65°	66.9	56.5	46.5	40.0	33.2	27.4	23.6	19.8	17.2	15.3	13.3
62.5°	91.0	74.6	63.0	51.4	42.5	34.9	27.8	23.6	19.3	16.8	14.6
60°	120.9	101.3	81.1	66.8	54.0	43.3	34.9	27.4	22.7	18.3	15.9
57.5°	156.4	130.3	107.9	85.4	67.8	53.9	42.6	33.4	26.1	21.0	17.2
55°	193.4	164.3	135.9	110.3	85.1	66.3	51.5	40.3	30.0	23.9	18.5
52.5°	233.7	199.2	166.4	136.1	108.1	80.3	62.7	47.1	36.1	26.7	20.8
50°	274.9	236.8	198.3	163.0	131.1	101.1	73.5	56.6	42.2	30.2	23.1
47.5°	316.7	275.2	233.2	190.7	154.8	121.0	89.7	66.1	48.0	35.4	25.3
45°	352.6	313.8	268.2	222.6	177.6	141.7	107.0	75.3	56.2	40.4	27.4
42.5°	385.6	347.1	303.5	253.8	205.3	162.3	123.4	89.3	64.2	45.1	30.7
40°	415.4	376.6	335.9	285.2	232.7	182.5	141.4	103.4	71.8	50.3	34.6
37.5°	443.6	403.6	362.0	314.9	258.8	206.1	159.1	116.6	80.2	56.6	38.4
35°	477.5	428.4	385.8	339.7	284.7	228.3	176.0	130.1	91.4	62.5	42.0
32.5°	511.0	454.2	407.5	360.5	308.9	248.8	193.8	144.7	102.0	68.1	45.3
30°	542.6	483.2	428.3	380.0	330.1	269.4	211.4	158.4	111.9	73.3	48.8
27.5°	571.1	509.8	449.2	398.1	346.7	288.6	228.0	171.0	121.2	79.4	53.0
25°	599.5	534.2	471.7	415.2	362.1	307.5	243.7	182.7	131.0	86.9	56.8
22.5°	631.1	556.6	491.9	431.2	377.5	325.1	258.9	195.5	140.4	93.8	60.4
20°	660.5	576.8	509.9	446.6	391.6	338.0	273.4	207.3	148.9	100.1	63.5
17.5°	686.8	597.6	527.0	461.8	404.0	349.6	286.4	218.0	156.5	105.6	66.3
15°	706.5	618.6	541.6	475.2	414.7	359.7	297.9	227.5	163.0	110.5	68.8
12.5°	723.2	636.7	553.4	486.6	423.7	368.4	308.0	235.8	168.5	114.5	70.9
10°	736.8	651.6	562.6	496.0	430.9	375.6	316.5	242.7	172.9	117.8	72.7
7.5°	747.3	663.3	569.3	503.4	436.4	380.8	322.1	247.9	176.2	120.2	74.0
5°	755.2	672.2	574.6	508.3	440.3	384.0	325.8	251.6	178.5	121.9	75.0
2.5°	762.3	678.2	578.4	511.1	442.6	385.8	327.7	253.8	179.8	122.8	75.6
0°	766.2	680.6	580.0	511.7	443.4	386.2	327.9	254.6	180.1	122.9	75.8
-2.5°	762.3	678.2	578.4	511.1	442.6	385.8	327.7	253.8	179.8	122.8	75.6
-5°	755.2	672.2	574.6	508.3	440.3	384.0	325.8	251.6	178.5	121.9	75.0
-7.5°	747.3	663.3	569.3	503.4	436.4	380.8	322.1	247.9	176.2	120.2	74.0
-10°	736.8	651.6	562.6	496.0	430.9	375.6	316.5	242.7	172.9	117.8	72.7
-12.5°	723.2	636.7	553.4	486.6	423.7	368.4	308.0	235.8	168.5	114.5	70.9
-15°	706.5	618.6	541.6	475.2	414.7	359.7	297.9	227.5	163.0	110.5	68.8
-17.5°	686.8	597.6	527.0	461.8	404.0	349.6	286.4	218.0	156.5	105.6	66.3
-20°	660.5	576.8	509.9	446.6	391.6	338.0	273.4	207.3	148.9	100.1	63.5



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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°	631.1	556.6	491.9	431.2	377.5	325.1	258.9	195.5	140.4	93.8	60.4
-25°	599.5	534.2	471.7	415.2	362.1	307.5	243.7	182.7	131.0	86.9	56.8
-27.5°	571.1	509.8	449.2	398.1	346.7	288.6	228.0	171.0	121.2	79.4	53.0
-30°	542.6	483.2	428.3	380.0	330.1	269.4	211.4	158.4	111.9	73.3	48.8
-32.5°	511.0	454.2	407.5	360.5	308.9	248.8	193.8	144.7	102.0	68.1	45.3
-35°	477.5	428.4	385.8	339.7	284.7	228.3	176.0	130.1	91.4	62.5	42.0
-37.5°	443.6	403.6	362.0	314.9	258.8	206.1	159.1	116.6	80.2	56.6	38.4
-40°	415.4	376.6	335.9	285.2	232.7	182.5	141.4	103.4	71.8	50.3	34.6
-42.5°	385.6	347.1	303.5	253.8	205.3	162.3	123.4	89.3	64.2	45.1	30.7
-45°	352.6	313.8	268.2	222.6	177.6	141.7	107.0	75.3	56.2	40.4	27.4
-47.5°	316.7	275.2	233.2	190.7	154.8	121.0	89.7	66.1	48.0	35.4	25.3
-50°	274.9	236.8	198.3	163.0	131.1	101.1	73.5	56.6	42.2	30.2	23.1
-52.5°	233.7	199.2	166.4	136.1	108.1	80.3	62.7	47.1	36.1	26.7	20.8
-55°	193.4	164.3	135.9	110.3	85.1	66.3	51.5	40.3	30.0	23.9	18.5
-57.5°	156.4	130.3	107.9	85.4	67.8	53.9	42.6	33.4	26.1	21.0	17.2
-60°	120.9	101.3	81.1	66.8	54.0	43.3	34.9	27.4	22.7	18.3	15.9
-62.5°	91.0	74.6	63.0	51.4	42.5	34.9	27.8	23.6	19.3	16.8	14.6
-65°	66.9	56.5	46.5	40.0	33.2	27.4	23.6	19.8	17.2	15.3	13.3
-67.5°	47.1	41.5	35.8	29.9	26.1	22.7	19.3	17.2	15.5	13.7	11.9
-70°	35.0	30.1	26.7	23.9	21.0	18.3	16.8	15.3	13.7	12.1	10.5
-72.5°	25.5	23.2	20.8	18.5	17.2	15.9	14.6	13.3	11.9	10.5	9.1
-75°	18.9	17.8	16.8	15.7	14.7	13.6	12.4	11.3	10.1	8.9	8.2
-77.5°	15.5	14.7	13.8	13.0	12.1	11.1	10.2	9.2	8.5	7.9	7.4
-80°	12.2	11.5	10.8	10.1	9.4	8.7	8.3	7.9	7.5	7.1	6.7
-82.5°	8.8	8.5	8.3	8.0	7.7	7.4	7.2	6.9	6.6	6.3	5.6
-85°	7.1	6.9	6.7	6.6	6.4	6.2	5.7	5.2	4.7	4.2	3.7
-87.5°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
80°	6.3	5.3	4.3	3.2	2.2	1.1	0.0
77.5°	6.9	6.4	5.3	4.0	2.7	1.3	0.0
75°	7.5	6.9	6.3	4.8	3.2	1.6	0.0
72.5°	8.2	7.4	6.7	5.6	3.7	1.9	0.0
70°	8.9	7.9	7.1	6.3	4.2	2.1	0.0
67.5°	10.1	8.5	7.5	6.6	4.7	2.4	0.0
65°	11.3	9.2	7.9	6.9	5.2	2.6	0.0
62.5°	12.4	10.2	8.3	7.2	5.7	2.9	0.0
60°	13.6	11.1	8.7	7.4	6.2	3.1	0.0
57.5°	14.7	12.1	9.4	7.7	6.4	3.3	0.0
55°	15.7	13.0	10.1	8.0	6.6	3.6	0.0
52.5°	16.8	13.8	10.8	8.3	6.7	3.8	0.0
50°	17.8	14.7	11.5	8.5	6.9	4.0	0.0
47.5°	18.9	15.5	12.2	8.8	7.1	4.2	0.0
45°	20.7	16.3	12.8	9.3	7.2	4.4	0.0
42.5°	22.4	17.0	13.4	9.7	7.4	4.6	0.0
40°	24.0	17.7	14.0	10.2	7.5	4.7	0.0
37.5°	25.4	18.4	14.5	10.6	7.7	4.9	0.0
35°	26.8	19.4	15.0	11.0	7.8	5.1	0.0
32.5°	28.6	20.5	15.5	11.3	7.9	5.2	0.0
30°	31.2	21.5	16.0	11.7	8.0	5.4	0.0
27.5°	33.7	22.4	16.4	12.0	8.1	5.5	0.0
25°	36.0	23.2	16.7	12.3	8.2	5.6	0.0
22.5°	38.0	24.0	17.1	12.6	8.3	5.7	0.0
20°	39.9	24.8	17.4	12.8	8.4	5.8	0.0
17.5°	41.6	25.5	17.7	13.0	8.5	5.9	0.0
15°	43.1	26.2	17.9	13.2	8.5	6.0	0.0
12.5°	44.4	26.8	18.1	13.3	8.6	6.1	0.0
10°	45.4	27.3	18.3	13.5	8.6	6.1	0.0
7.5°	46.2	27.8	18.4	13.6	8.7	6.1	0.0
5°	46.8	28.1	18.5	13.6	8.7	6.2	0.0
2.5°	47.1	28.4	18.6	13.7	8.7	6.2	0.0
0°	47.2	28.6	18.6	13.7	8.7	6.2	0.0
-2.5°	47.1	28.4	18.6	13.7	8.7	6.2	0.0
-5°	46.8	28.1	18.5	13.6	8.7	6.2	0.0
-7.5°	46.2	27.8	18.4	13.6	8.7	6.1	0.0
-10°	45.4	27.3	18.3	13.5	8.6	6.1	0.0
-12.5°	44.4	26.8	18.1	13.3	8.6	6.1	0.0
-15°	43.1	26.2	17.9	13.2	8.5	6.0	0.0
-17.5°	41.6	25.5	17.7	13.0	8.5	5.9	0.0
-20°	39.9	24.8	17.4	12.8	8.4	5.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	38.0	24.0	17.1	12.6	8.3	5.7	0.0
-25°	36.0	23.2	16.7	12.3	8.2	5.6	0.0
-27.5°	33.7	22.4	16.4	12.0	8.1	5.5	0.0
-30°	31.2	21.5	16.0	11.7	8.0	5.4	0.0
-32.5°	28.6	20.5	15.5	11.3	7.9	5.2	0.0
-35°	26.8	19.4	15.0	11.0	7.8	5.1	0.0
-37.5°	25.4	18.4	14.5	10.6	7.7	4.9	0.0
-40°	24.0	17.7	14.0	10.2	7.5	4.7	0.0
-42.5°	22.4	17.0	13.4	9.7	7.4	4.6	0.0
-45°	20.7	16.3	12.8	9.3	7.2	4.4	0.0
-47.5°	18.9	15.5	12.2	8.8	7.1	4.2	0.0
-50°	17.8	14.7	11.5	8.5	6.9	4.0	0.0
-52.5°	16.8	13.8	10.8	8.3	6.7	3.8	0.0
-55°	15.7	13.0	10.1	8.0	6.6	3.6	0.0
-57.5°	14.7	12.1	9.4	7.7	6.4	3.3	0.0
-60°	13.6	11.1	8.7	7.4	6.2	3.1	0.0
-62.5°	12.4	10.2	8.3	7.2	5.7	2.9	0.0
-65°	11.3	9.2	7.9	6.9	5.2	2.6	0.0
-67.5°	10.1	8.5	7.5	6.6	4.7	2.4	0.0
-70°	8.9	7.9	7.1	6.3	4.2	2.1	0.0
-72.5°	8.2	7.4	6.7	5.6	3.7	1.9	0.0
-75°	7.5	6.9	6.3	4.8	3.2	1.6	0.0
-77.5°	6.9	6.4	5.3	4.0	2.7	1.3	0.0
-80°	6.3	5.3	4.3	3.2	2.2	1.1	0.0
-82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
-87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)