

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: P731323 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-40-70-5S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731323 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-40-70-5S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

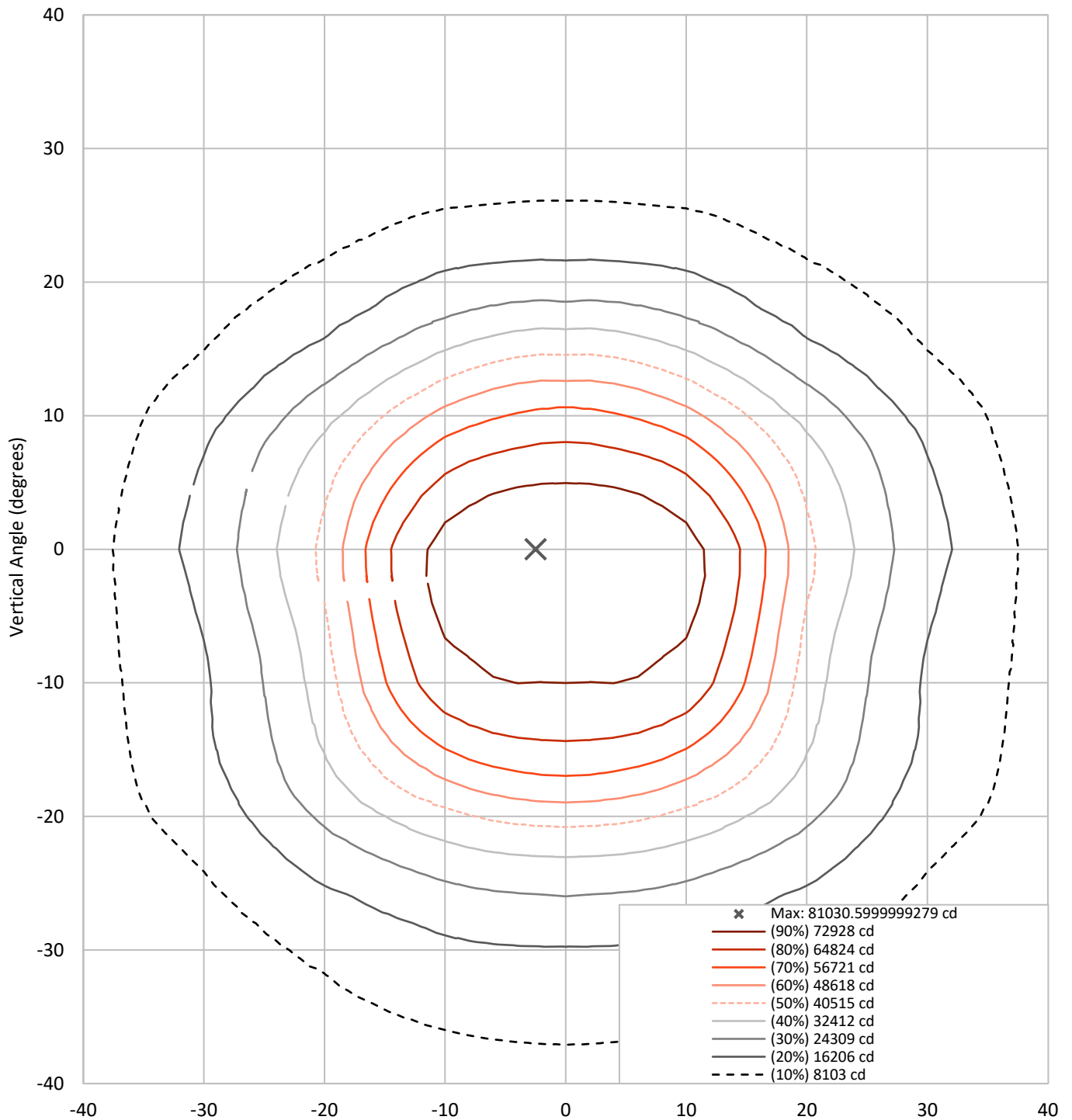
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	39990.9 lumens	Max Intensity:	81030.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	115.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	21995.8 lumens	Field Lumens:	36636.2 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 345.8
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





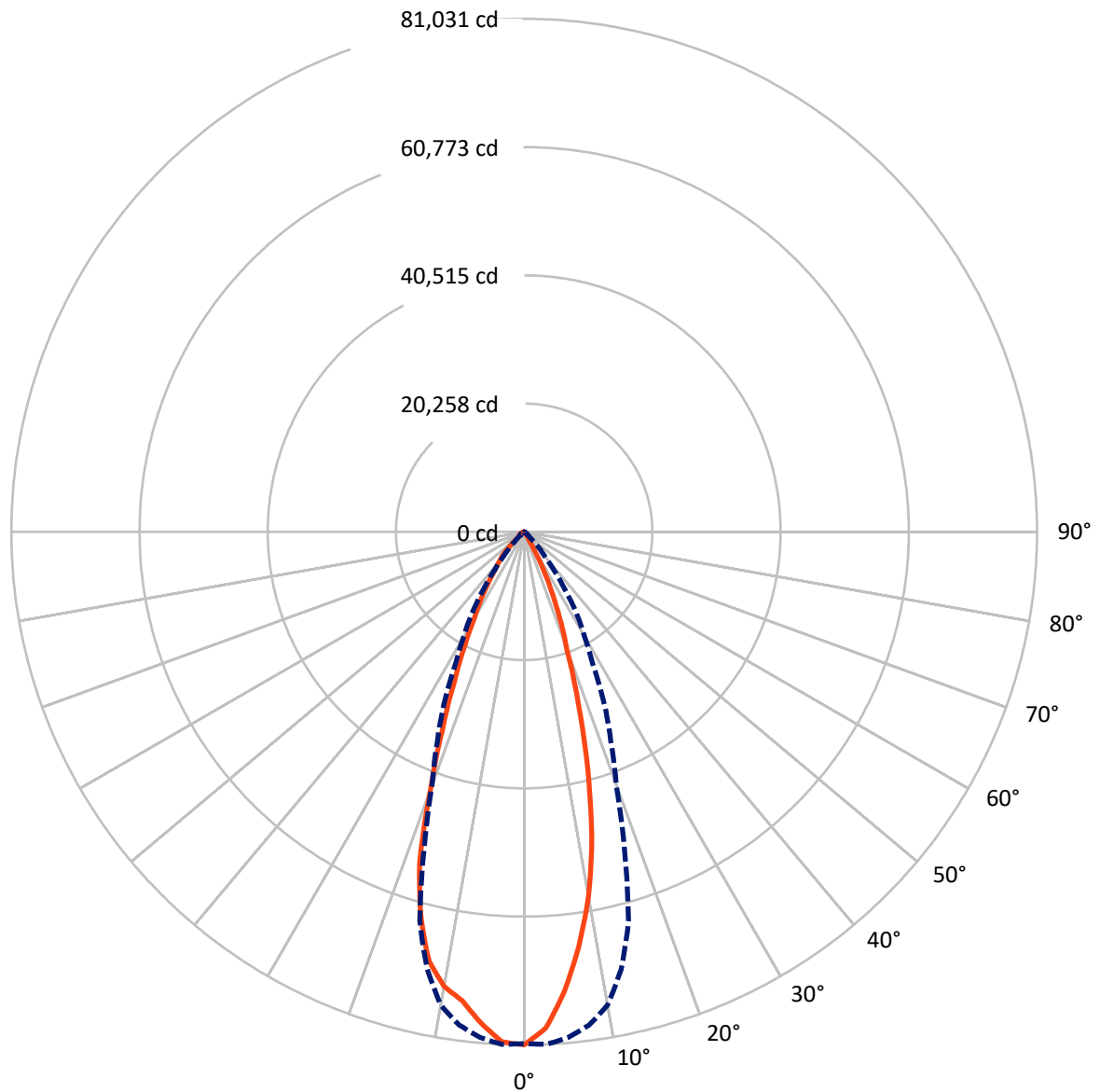
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Lumen Table

90																
80	0.1	0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1
70																
60	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.1	0.1
50		0.1	0.1	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.1	0.1	
40	0.1	0.1	0.2	0.4	0.5	0.7	1.0	1.2	1.2	1.0	0.7	0.5	0.4	0.2	0.1	0.1
30		0.1	0.5	1.2	3.2	9.0	15.6	19.8	19.8	15.6	9.0	3.2	1.2	0.5	0.1	
20	0.1	0.2	1.7	6.1	35.5	102.1	207.5	299.6	299.6	207.5	102.1	35.5	6.1	1.7	0.2	0.1
10		0.5	3.8	19.9	126.3	370.2	758.6	1120.8	1120.8	758.6	370.2	126.3	19.9	3.8	0.5	
0	0.2	0.9	6.4	43.3	259.8	742.1	1553.9	2120.8	2120.8	1553.9	742.1	259.8	43.3	6.4	0.9	0.2
-10		1.5	8.8	52.4	272.1	759.9	1743.9	2324.3	2324.3	1743.9	759.9	272.1	52.4	8.8	1.5	
-20	0.2	1.7	9.0	42.1	231.0	625.7	1317.6	1814.5	1814.5	1317.6	625.7	231.0	42.1	9.0	1.7	0.2
-30		1.5	7.4	19.7	115.9	334.8	615.7	808.5	808.5	615.7	334.8	115.9	19.7	7.4	1.5	
-40	0.2	1.2	5.1	11.5	33.9	126.1	232.1	302.8	302.8	232.1	126.1	33.9	11.5	5.1	1.2	0.2
-50		0.7	3.1	8.1	14.9	28.0	63.1	95.2	95.2	63.1	28.0	14.9	8.1	3.1	0.7	
-60	0.1	0.3	1.5	4.5	9.5	15.7	21.5	24.9	24.9	21.5	15.7	9.5	4.5	1.5	0.3	0.1
-70		0.1	0.6	1.8	4.0	7.0	10.5	12.5	12.5	10.5	7.0	4.0	1.8	0.6	0.1	
-80																
-90	0.1	0.4		1.4		3.8		5.3		3.8		1.4		0.4		0.1

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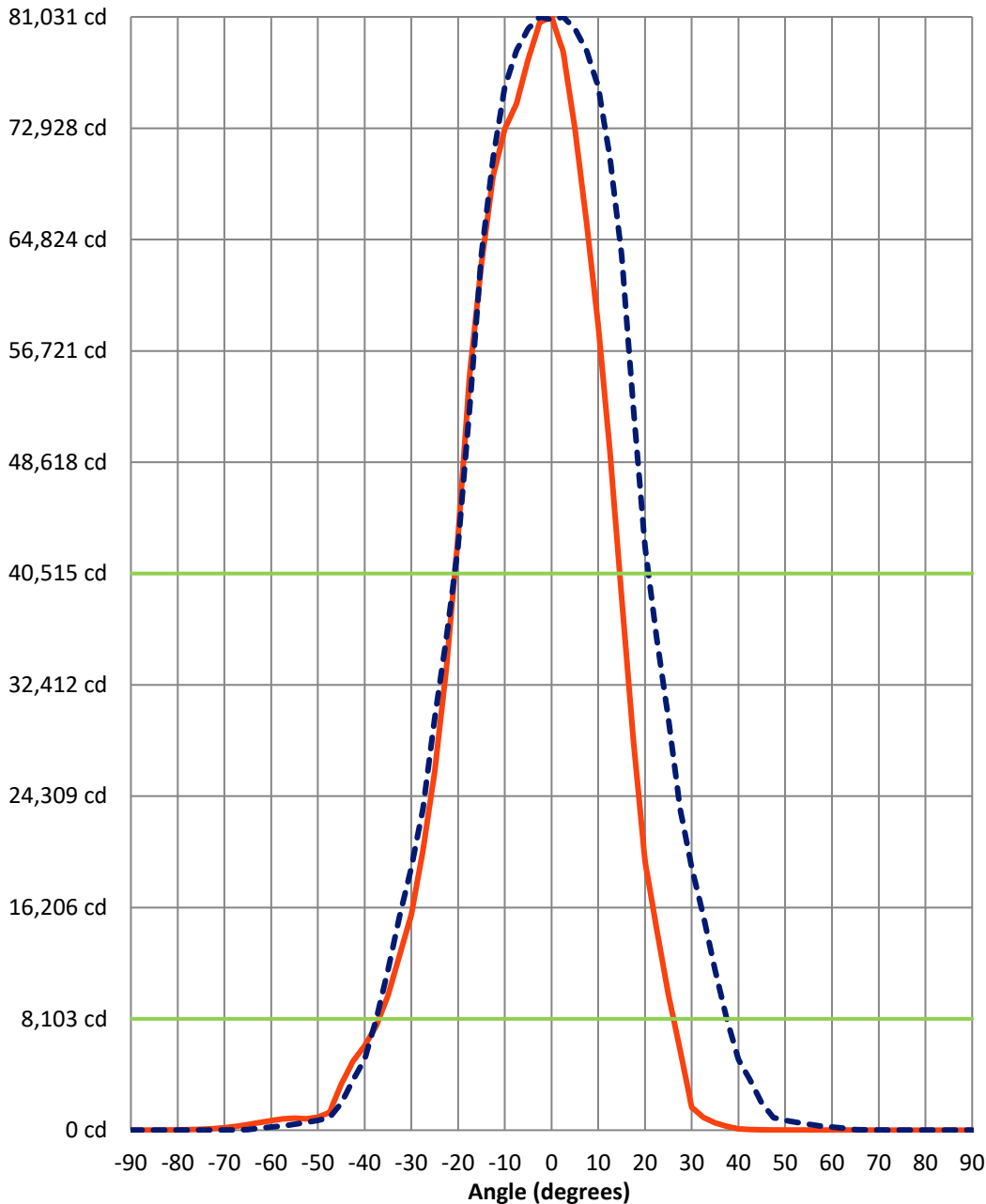
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 21995.8
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 36636.2
 Efficiency: 91.6%

Spill:
 Lumens: 3354.6
 Efficiency: 8.4%

— Vertical Distribution through -2.5-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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.7
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	5.0	5.0	4.8
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.1	5.2	5.2	5.2
67.5°	4.7	4.7	4.7	4.7	4.7	4.7	5.0	5.4	5.5	5.4	5.6
65°	4.7	4.7	4.7	4.7	4.7	4.8	5.3	5.7	5.6	5.7	5.9
62.5°	4.7	4.7	4.7	4.7	4.7	5.1	5.6	5.8	5.8	5.9	5.9
60°	4.7	4.7	4.7	4.7	4.7	5.3	5.9	5.9	5.9	5.9	5.9
57.5°	4.7	4.7	4.7	4.7	4.9	5.5	5.9	5.9	5.9	5.9	5.9
55°	4.7	4.7	4.7	4.7	5.0	5.7	5.9	5.9	5.9	5.9	5.9
52.5°	4.7	4.7	4.7	4.7	5.2	5.9	5.9	5.9	5.9	5.9	5.9
50°	4.7	4.7	4.7	4.7	5.4	5.9	5.9	5.9	5.9	5.9	6.3
47.5°	4.7	4.7	4.7	4.7	5.5	5.9	5.9	5.9	5.9	5.9	6.7
45°	4.7	4.7	4.7	4.8	5.7	5.9	5.9	5.9	5.9	6.2	7.0
42.5°	4.7	4.7	4.7	5.0	5.8	5.9	5.9	5.9	6.0	6.6	7.4
40°	4.7	4.7	4.7	5.0	5.9	5.9	5.9	6.0	6.2	6.9	7.8
37.5°	4.7	4.7	4.7	5.1	5.9	5.9	5.9	6.2	6.6	7.3	8.1
35°	4.7	4.7	4.7	5.2	5.9	5.9	5.9	6.3	6.9	7.7	8.4
32.5°	4.7	4.7	4.7	5.2	5.9	5.9	5.9	6.5	7.2	8.2	9.0
30°	4.7	4.7	4.7	5.2	5.9	5.9	6.1	6.7	7.5	8.7	9.7
27.5°	4.7	4.7	4.7	5.3	5.9	5.9	6.2	6.9	7.9	9.2	10.4
25°	4.7	4.7	4.7	5.2	5.8	5.9	6.3	7.2	8.3	9.7	11.3
22.5°	4.7	4.7	4.7	5.2	5.8	5.9	6.5	7.4	8.7	10.4	13.3
20°	4.7	4.7	4.7	5.2	5.8	5.9	6.6	7.6	9.1	11.1	15.4
17.5°	4.7	4.7	4.7	5.2	5.8	5.9	6.8	7.8	9.5	11.8	17.5
15°	4.7	4.7	4.7	5.1	5.8	5.9	6.8	8.0	9.9	12.6	19.5
12.5°	4.7	4.7	4.7	5.1	5.8	5.9	6.9	8.1	10.2	13.3	21.5
10°	4.7	4.7	4.7	5.0	5.9	5.9	7.0	8.2	10.6	14.4	24.2
7.5°	4.7	4.7	4.7	4.9	5.9	5.9	7.0	8.2	10.9	15.6	28.5
5°	4.7	4.7	4.7	4.9	5.9	5.9	7.1	8.3	11.3	16.8	32.9
2.5°	4.7	4.7	4.7	4.8	5.9	5.9	7.1	8.3	11.6	17.9	37.3
0°	4.7	4.7	4.7	4.7	5.9	5.9	7.1	8.3	11.8	18.9	41.3
-2.5°	4.7	4.7	4.7	4.8	5.9	6.2	7.6	9.4	15.0	25.9	53.4
-5°	4.7	4.7	4.7	4.9	5.9	6.4	8.0	10.5	18.0	32.5	64.8
-7.5°	4.7	4.7	4.7	4.9	5.9	6.7	8.4	11.5	20.8	38.7	75.1
-10°	4.7	4.7	4.7	5.0	5.9	6.9	8.8	12.4	23.2	44.1	84.1
-12.5°	4.7	4.7	4.7	5.1	5.8	7.1	9.1	13.2	25.2	48.6	90.3
-15°	4.7	4.7	4.7	5.1	5.8	7.2	9.4	13.8	27.1	52.5	94.6
-17.5°	4.7	4.7	4.7	5.2	5.8	7.3	9.7	14.7	29.0	55.3	97.4
-20°	4.7	4.7	4.7	5.2	5.8	7.3	10.0	15.8	30.2	57.1	98.7



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 CATALOG NUMBER: EPH-LS-08-0320N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.7	4.7	4.7	5.2	5.8	7.3	10.4	16.5	30.7	57.6	98.4
-25°	4.7	4.7	4.7	5.2	5.8	7.3	10.6	16.9	30.4	56.9	96.4
-27.5°	4.7	4.7	4.7	5.3	5.9	7.2	10.6	17.0	29.2	55.4	95.3
-30°	4.7	4.7	4.7	5.2	5.9	7.1	10.4	16.6	28.5	54.1	92.5
-32.5°	4.7	4.7	4.7	5.2	6.0	6.9	10.0	16.3	28.1	51.5	87.9
-35°	4.7	4.7	4.7	5.2	6.0	6.7	9.7	15.9	27.1	47.6	81.4
-37.5°	4.7	4.7	4.7	5.1	6.1	6.5	9.4	15.2	25.5	42.5	71.8
-40°	4.7	4.7	4.7	5.0	6.1	6.6	9.1	14.1	23.4	39.1	62.8
-42.5°	4.7	4.7	4.7	5.0	6.0	6.6	8.6	12.7	21.4	35.1	53.5
-45°	4.7	4.7	4.7	4.9	5.9	6.6	8.1	11.5	19.5	30.6	44.4
-47.5°	4.7	4.7	4.7	4.8	5.8	6.6	7.5	10.8	17.1	25.9	39.0
-50°	4.7	4.7	4.7	4.8	5.7	6.6	7.3	10.0	14.1	22.5	33.3
-52.5°	4.7	4.7	4.7	4.8	5.6	6.5	7.3	9.1	12.3	18.8	27.4
-55°	4.7	4.7	4.7	4.8	5.4	6.4	7.2	8.1	11.1	14.8	22.9
-57.5°	4.7	4.7	4.7	4.9	5.3	6.2	7.0	7.9	9.7	12.7	18.1
-60°	4.7	4.7	4.7	4.9	5.1	6.0	6.8	7.7	8.5	11.0	14.0
-62.5°	4.7	4.7	4.7	4.9	5.2	5.8	6.6	7.4	8.2	9.3	12.0
-65°	4.7	4.7	4.7	4.9	5.2	5.6	6.4	7.1	7.9	8.6	9.8
-67.5°	4.7	4.7	4.7	4.9	5.2	5.5	6.1	6.8	7.5	8.2	8.9
-70°	4.7	4.7	4.7	4.9	5.2	5.5	5.8	6.5	7.2	7.9	8.5
-72.5°	4.7	4.7	4.7	4.9	5.2	5.5	5.8	6.2	6.8	7.5	8.1
-75°	4.7	4.7	4.7	4.9	5.3	5.6	5.8	6.1	6.5	7.0	7.6
-77.5°	4.7	4.7	4.7	4.9	5.2	5.6	5.9	6.0	6.3	6.7	7.2
-80°	4.7	4.7	4.7	4.8	5.1	5.5	5.9	6.0	6.1	6.4	6.7
-82.5°	4.7	4.7	4.7	4.8	5.0	5.3	5.6	5.8	5.9	6.0	6.2
-85°	4.7	4.7	4.7	4.8	4.9	5.1	5.3	5.4	5.5	5.6	5.7
-87.5°	4.7	4.7	4.7	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.2
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



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 CATALOG NUMBER: EPH-LS-08-0320N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	3.5	3.5	3.5
87.5°	4.5	4.4	4.3	4.2	4.0	3.9	3.7	3.5	3.2	3.0	2.7
85°	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	3.4	3.2	3.2
82.5°	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	3.5	3.5	3.5
80°	4.7	4.7	4.7	4.7	4.5	4.2	3.9	3.6	3.5	3.5	3.6
77.5°	4.7	4.7	4.7	4.7	4.5	4.3	4.2	4.2	4.2	4.1	3.9
75°	4.7	4.7	4.8	4.7	4.6	4.6	4.7	4.7	4.5	4.2	3.9
72.5°	4.9	5.0	5.0	4.8	4.7	4.7	4.7	4.7	4.8	4.9	4.8
70°	5.4	5.4	5.2	4.9	4.7	4.8	5.3	6.0	6.6	6.5	6.4
67.5°	5.8	5.5	5.2	5.0	5.2	5.8	6.5	7.5	8.3	8.3	8.6
65°	5.9	5.6	5.4	5.6	5.9	6.9	8.0	9.0	11.5	13.1	13.8
62.5°	5.9	5.7	5.8	6.2	7.1	8.3	9.8	12.7	16.6	18.8	18.2
60°	5.9	5.9	6.3	7.2	8.2	9.3	11.9	15.8	21.0	24.8	22.6
57.5°	5.9	6.2	7.0	8.0	8.8	9.8	13.2	18.2	24.3	30.8	26.7
55°	6.1	6.7	7.6	8.5	9.3	10.1	13.8	19.4	26.3	30.2	26.3
52.5°	6.5	7.2	8.1	8.9	9.8	10.7	13.4	18.9	22.9	26.0	24.0
50°	7.0	7.7	8.5	9.4	10.4	11.4	11.9	16.3	19.6	20.9	20.8
47.5°	7.4	8.2	8.9	9.9	11.3	12.1	12.1	14.3	16.7	18.2	16.9
45°	7.8	8.6	9.3	10.8	12.3	13.1	13.7	13.2	17.1	18.1	17.3
42.5°	8.3	9.0	10.4	11.8	13.6	15.6	16.6	18.0	19.9	21.7	21.2
40°	8.6	9.4	11.8	14.7	15.9	19.5	23.0	25.2	25.9	27.6	27.6
37.5°	9.0	10.9	14.6	20.5	20.6	25.9	30.9	35.9	37.4	34.7	39.3
35°	9.3	12.6	22.1	29.2	30.3	34.4	42.7	50.3	54.9	52.3	56.6
32.5°	10.4	14.5	31.9	39.3	46.6	50.2	56.2	72.7	88.6	93.4	85.0
30°	12.2	23.4	43.0	50.3	67.6	79.0	82.6	104.8	137.9	166.9	224.1
27.5°	14.6	34.3	53.4	69.0	93.9	114.4	123.3	159.6	216.3	292.8	457.4
25°	17.1	45.8	64.4	92.8	128.3	152.1	166.8	218.0	313.1	557.3	864.8
22.5°	23.1	57.6	78.4	119.3	167.2	187.8	218.7	288.5	448.1	854.0	1364.2
20°	32.5	68.6	98.2	145.4	208.8	221.9	266.6	356.1	633.0	1247.9	1860.8
17.5°	41.7	81.1	120.0	176.3	240.8	267.3	313.0	417.8	788.2	1741.4	2505.4
15°	50.6	94.6	140.5	207.6	278.3	330.4	400.6	556.5	1084.6	2325.7	3358.7
12.5°	59.1	108.9	159.7	238.7	321.6	397.4	501.0	782.7	1613.4	3008.3	4550.2
10°	67.0	123.4	177.5	269.2	369.0	466.8	605.0	1030.2	2147.7	3602.4	5493.6
7.5°	85.3	145.5	197.5	298.2	418.7	537.1	709.9	1287.6	2630.0	4105.1	6282.0
5°	105.7	175.3	235.5	343.8	471.0	603.1	806.1	1542.7	3052.9	4519.2	6992.1
2.5°	125.6	204.2	272.6	389.1	521.1	660.6	865.6	1765.0	3384.7	4869.6	7604.8
0°	144.1	231.4	308.2	431.0	566.8	713.2	916.3	1959.0	3637.1	5153.3	8087.7
-2.5°	166.8	260.6	347.6	470.9	582.2	714.8	917.1	1887.4	3692.0	5421.3	7906.6
-5°	186.4	287.2	384.2	507.2	595.9	712.6	909.8	1777.9	3661.6	5564.9	7760.6
-7.5°	202.1	310.9	417.2	536.1	608.5	720.0	927.5	1802.1	3611.2	5564.9	7669.0
-10°	211.3	317.6	417.4	534.5	616.7	729.3	939.6	1759.5	3457.3	5449.6	7482.7
-12.5°	203.1	309.2	408.8	527.5	621.9	731.2	935.7	1639.0	3197.9	5214.7	7250.3
-15°	193.4	299.2	396.5	514.6	623.7	724.8	913.9	1432.5	2772.7	4708.7	6970.0
-17.5°	182.7	287.7	380.5	495.4	622.2	709.5	860.8	1105.9	2222.4	4001.8	6326.8
-20°	171.2	275.0	360.6	469.5	613.6	674.3	780.0	981.1	1753.4	3209.4	5315.5



REPORT NUMBER: P731323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	159.4	261.2	339.9	444.0	564.0	631.9	704.5	849.3	1239.7	2318.7	4007.9
-25°	152.8	243.8	321.9	410.3	513.2	592.3	628.6	719.7	915.2	1702.1	2926.1
-27.5°	149.7	227.3	299.6	375.5	466.7	550.8	577.4	636.4	782.4	1098.0	1976.7
-30°	144.5	204.8	275.2	342.3	426.1	501.1	540.0	577.4	670.5	841.2	1327.9
-32.5°	133.0	182.0	248.8	313.7	386.0	458.8	517.3	553.1	611.8	700.9	862.3
-35°	118.9	165.1	222.1	282.8	346.5	419.5	485.5	538.0	566.4	627.8	735.8
-37.5°	106.0	146.8	195.2	251.6	310.9	378.5	451.2	508.4	550.2	579.6	657.0
-40°	92.4	127.1	172.2	222.3	275.7	337.5	404.4	470.9	523.7	567.7	602.2
-42.5°	78.6	111.3	149.4	193.6	244.1	298.2	355.7	420.9	486.5	543.7	587.1
-45°	67.8	94.8	126.2	168.5	213.1	260.3	312.3	366.4	436.8	501.6	555.6
-47.5°	56.6	79.0	107.8	142.9	183.9	225.9	269.7	323.8	382.4	446.3	507.9
-50°	46.3	66.4	89.4	121.1	156.1	193.3	232.3	281.7	335.6	390.2	446.6
-52.5°	39.5	53.4	74.7	99.6	130.5	163.7	199.7	241.8	289.6	339.4	389.5
-55°	32.4	44.5	60.3	81.2	105.5	135.2	169.0	205.7	243.2	288.6	333.5
-57.5°	26.2	36.4	48.9	64.4	84.5	106.8	138.2	170.8	205.2	240.3	277.7
-60°	20.3	28.8	39.4	51.4	65.3	85.0	107.4	135.5	166.2	197.0	228.5
-62.5°	14.9	21.8	30.3	40.4	51.8	64.2	82.3	103.5	126.4	152.1	178.5
-65°	12.5	15.5	21.7	30.0	39.2	50.0	61.7	74.4	93.0	111.3	129.6
-67.5°	9.9	12.5	15.5	19.6	27.4	35.9	44.9	55.6	66.8	77.1	89.0
-70°	9.1	9.7	11.8	14.6	17.6	22.3	29.8	37.8	45.8	53.6	62.3
-72.5°	8.5	9.0	9.6	10.4	12.7	15.4	18.5	22.0	27.1	33.3	39.4
-75°	8.0	8.3	8.7	9.2	9.9	10.6	11.7	14.2	16.9	19.5	22.1
-77.5°	7.5	7.7	7.9	8.1	8.4	8.9	9.4	10.1	10.9	12.0	13.2
-80°	6.9	7.1	7.3	7.4	7.5	7.5	7.7	7.9	8.2	8.6	9.2
-82.5°	6.4	6.5	6.6	6.8	6.6	6.4	6.3	6.2	6.4	6.6	6.8
-85°	5.8	5.9	6.0	6.1	5.9	5.7	5.4	5.2	5.3	5.3	5.4
-87.5°	5.3	5.3	5.3	5.4	5.1	4.9	4.6	4.4	4.4	4.4	4.5
-90°	4.4	4.1	3.8	3.5	3.5	3.5	3.5	3.5	3.2	3.0	2.7



REPORT NUMBER: P731323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.5	3.5	3.5	3.5	3.5	3.8	4.1	4.4	4.7	5.3	5.9
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.1	1.8
85°	3.1	3.0	2.8	2.6	2.4	2.4	2.4	2.4	2.4	2.1	1.8
82.5°	3.5	3.2	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.1	1.8
80°	3.5	3.4	3.2	3.1	3.1	3.0	2.8	2.6	2.4	2.1	1.8
77.5°	3.6	3.5	3.5	3.5	3.5	3.3	3.0	2.7	2.4	2.1	1.8
75°	3.6	3.5	3.6	3.6	3.5	3.4	3.3	3.3	3.3	3.1	2.9
72.5°	4.6	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4
70°	6.3	6.2	6.1	5.9	5.6	5.4	5.2	4.9	4.5	4.5	4.5
67.5°	9.3	9.5	9.4	9.0	8.1	7.2	6.8	6.3	5.8	5.8	6.2
65°	13.6	11.9	10.8	9.9	9.1	8.4	8.0	7.5	7.0	7.2	8.2
62.5°	16.2	12.7	10.8	10.1	9.7	9.3	8.6	8.2	8.0	8.2	9.0
60°	18.8	13.6	10.1	9.5	8.9	8.4	8.3	8.3	8.3	8.4	8.8
57.5°	20.1	13.9	9.3	9.0	8.7	8.4	8.4	8.5	8.4	8.3	8.7
55°	19.7	14.0	9.6	9.2	9.1	9.2	9.2	8.8	8.5	8.3	8.6
52.5°	17.9	13.5	10.3	9.5	9.5	9.0	8.3	8.8	9.2	9.6	10.1
50°	16.0	12.7	11.1	10.3	10.4	10.4	10.4	11.0	11.6	12.0	12.5
47.5°	14.7	12.8	12.7	12.5	12.8	13.5	13.8	14.4	16.2	17.1	17.5
45°	14.8	15.7	16.4	16.9	16.9	20.2	22.6	24.0	25.5	27.0	28.2
42.5°	20.0	22.3	24.3	27.4	29.3	34.9	37.7	34.1	41.7	48.2	49.7
40°	30.7	34.0	41.2	49.3	59.0	63.2	82.9	83.7	92.3	113.6	120.5
37.5°	46.6	56.1	81.3	102.7	136.6	156.8	181.8	205.8	225.0	244.8	258.3
35°	72.6	120.9	159.0	225.7	271.3	294.3	324.0	359.4	374.4	436.7	484.3
32.5°	155.2	241.9	345.2	398.5	458.3	504.0	497.7	645.1	702.0	795.5	871.6
30°	286.8	493.9	771.3	771.3	760.5	1012.7	1105.1	1295.5	1490.8	1620.9	1932.0
27.5°	663.0	1102.4	1541.8	1550.6	1740.9	2267.6	2567.6	2657.7	3505.0	4049.2	4791.5
25°	1221.7	1945.0	2551.0	2833.0	3398.4	4256.4	4764.4	5370.0	6634.7	8075.8	8985.6
22.5°	1819.5	2590.3	3501.0	4143.2	5226.7	6330.5	7254.2	8590.6	10290.4	11898.5	12986.5
20°	2269.4	3175.0	4461.3	5810.4	7182.9	8566.6	10001.5	11837.9	14138.9	16097.0	17866.8
17.5°	3186.9	4144.4	5885.3	7720.2	9583.1	11061.4	13327.4	15529.9	18333.2	21174.6	23375.4
15°	4544.6	6088.0	7829.7	10209.9	12830.1	15092.2	17494.8	21360.1	24770.4	28422.4	31685.3
12.5°	6286.8	8332.4	10640.5	13377.8	16811.9	20362.0	24026.3	28106.1	32566.6	36953.3	41609.9
10°	7913.5	10724.9	13704.9	17073.0	21002.8	25486.1	29963.2	34585.9	40784.3	46402.0	51381.5
7.5°	9036.6	12347.8	16005.3	20122.0	24972.6	29741.0	34798.5	41083.8	48325.0	54695.1	59798.2
5°	10045.2	13797.3	17449.3	21611.0	27250.4	32700.7	38676.4	46326.5	54569.6	61555.3	66641.0
2.5°	10923.3	14961.0	18507.6	22700.2	28891.9	34562.6	41088.0	50205.1	59808.0	66805.2	72171.3
0°	11645.6	15586.2	19106.3	23424.7	29971.4	35812.0	42506.3	52645.1	63699.2	70767.8	75925.8
-2.5°	10946.3	14521.0	17995.7	22369.7	28967.0	34948.6	42183.9	52496.9	63345.2	70969.1	76294.9
-5°	10418.1	13682.5	16981.0	21309.1	27111.7	32658.1	39447.6	50053.8	61472.0	69175.3	74564.2
-7.5°	10008.7	12857.6	15856.7	19842.0	25150.1	31031.8	38311.4	48544.7	59334.2	67125.2	72008.0
-10°	9562.4	12009.9	15278.3	19295.2	24457.1	30064.3	36531.4	45997.6	56899.2	64395.3	70114.3
-12.5°	9426.5	12010.7	15302.9	18790.7	23538.7	28923.5	35089.2	43152.4	51508.3	59368.9	64384.1
-15°	9207.2	11829.8	15051.7	18332.1	22636.6	27822.7	32969.7	38928.5	45912.5	51592.3	56831.5
-17.5°	8777.4	11297.5	13718.9	16784.1	20973.6	25781.4	29681.4	34367.6	39406.4	43737.5	47689.4
-20°	7748.5	9462.3	11757.2	14647.7	18238.0	22131.0	25682.0	29063.0	32301.2	35600.7	37886.4



REPORT NUMBER: P731323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5929.0	7574.8	9498.9	11899.9	14746.1	18138.8	21276.8	23566.7	26142.5	28518.4	30471.8
-25°	4335.8	5541.6	7337.5	9386.3	11243.7	13961.1	16369.3	17915.8	20176.8	21952.9	23643.8
-27.5°	3135.5	4316.4	5780.9	7399.8	8792.4	10252.2	12378.1	13854.9	15633.1	16995.0	18405.4
-30°	2140.1	3440.6	4790.2	6114.4	7173.9	8276.8	9454.8	10911.5	12339.1	13483.3	14502.2
-32.5°	1484.3	2426.7	3745.7	4979.4	5937.0	6777.9	7552.0	8658.6	9726.9	10658.2	11421.9
-35°	909.3	1577.7	2491.2	3666.1	4678.3	5486.4	6200.3	6905.2	7588.6	8289.3	8879.7
-37.5°	769.3	928.9	1498.1	2307.1	3271.3	4170.7	4870.0	5452.0	5967.9	6501.2	6921.0
-40°	679.9	775.3	918.2	1214.1	1955.8	2703.4	3457.4	4083.8	4651.1	5124.0	5491.6
-42.5°	621.0	684.8	754.3	870.4	1007.9	1374.3	2022.8	2655.0	3270.4	3786.4	4219.0
-45°	602.6	634.7	672.3	734.4	791.3	902.8	1023.2	1147.8	1637.1	2156.3	2613.7
-47.5°	560.9	612.3	646.4	673.1	704.8	755.2	801.4	860.3	972.7	1084.2	1175.3
-50°	505.6	561.7	608.9	654.7	687.0	709.0	725.8	756.3	801.1	844.7	879.8
-52.5°	438.8	493.1	547.9	603.5	649.4	691.9	731.8	759.4	780.3	798.1	807.2
-55°	377.9	423.4	469.2	525.1	580.5	633.7	684.8	728.4	769.1	807.0	828.5
-57.5°	318.4	357.6	398.5	448.4	497.7	546.0	595.6	645.9	695.0	740.9	767.5
-60°	261.7	296.5	333.5	373.8	416.6	461.3	504.0	546.5	588.8	626.2	648.2
-62.5°	206.3	235.6	265.6	297.5	331.1	366.3	401.7	437.6	473.3	503.4	521.9
-65°	149.8	173.7	196.7	220.0	243.6	270.3	298.3	325.6	352.0	372.7	386.2
-67.5°	104.7	120.2	134.2	148.0	164.7	183.7	203.9	223.5	242.4	256.6	266.2
-70°	71.1	79.7	87.4	96.4	107.4	118.7	130.5	141.9	152.7	161.0	167.4
-72.5°	45.4	51.1	56.6	62.8	68.7	75.2	82.0	88.5	94.5	98.8	102.1
-75°	24.5	27.6	32.1	36.3	40.2	44.9	49.8	54.3	58.6	60.8	62.3
-77.5°	15.0	17.1	19.0	20.8	22.6	25.1	28.0	30.8	33.7	35.0	35.9
-80°	9.9	10.8	11.8	12.8	13.8	15.3	16.9	18.5	20.1	20.6	20.9
-82.5°	7.0	7.3	7.6	8.0	8.4	9.4	10.4	11.4	12.5	13.2	13.9
-85°	5.5	5.5	5.6	5.6	5.7	6.2	6.8	7.4	8.0	8.4	8.7
-87.5°	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	5.0	5.3
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.1	1.8



REPORT NUMBER: P731323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	6.5	7.1	6.5	5.9	6.5	7.1	6.5	5.9	5.3	4.7	4.4
87.5°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.1	2.4	2.4
85°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.6
77.5°	1.5	1.2	1.8	2.4	1.8	1.2	1.5	1.8	2.1	2.4	2.7
75°	2.6	2.4	2.4	2.4	2.4	2.4	2.6	2.9	3.1	3.3	3.3
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.6	3.8
70°	4.6	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.9
67.5°	6.6	7.0	7.1	7.1	7.1	7.0	6.6	6.2	5.8	5.8	6.3
65°	9.2	10.3	10.0	9.4	10.0	10.3	9.2	8.2	7.2	7.0	7.5
62.5°	9.8	10.5	10.6	10.6	10.6	10.5	9.8	9.0	8.2	8.0	8.2
60°	9.1	9.4	9.4	9.4	9.4	9.4	9.1	8.8	8.4	8.3	8.3
57.5°	9.0	9.3	9.4	9.4	9.4	9.3	9.0	8.7	8.3	8.4	8.5
55°	8.9	9.3	9.4	9.4	9.4	9.3	8.9	8.6	8.3	8.5	8.8
52.5°	10.3	10.5	10.6	10.6	10.6	10.5	10.3	10.1	9.6	9.2	8.8
50°	13.1	13.8	13.3	11.8	13.3	13.8	13.1	12.5	12.0	11.6	11.0
47.5°	17.5	16.9	16.4	16.5	16.4	16.9	17.5	17.5	17.1	16.2	14.4
45°	28.5	28.2	28.0	28.3	28.0	28.2	28.5	28.2	27.0	25.5	24.0
42.5°	51.5	51.6	50.8	49.6	50.8	51.6	51.5	49.7	48.2	41.7	34.1
40°	120.2	110.2	96.6	88.6	96.6	110.2	120.2	120.5	113.6	92.3	83.7
37.5°	270.7	278.5	279.3	274.0	279.3	278.5	270.7	258.3	244.8	225.0	205.8
35°	514.3	532.8	533.8	524.3	533.8	532.8	514.3	484.3	436.7	374.4	359.4
32.5°	870.4	911.8	927.3	923.4	927.3	911.8	870.4	871.6	795.5	702.0	645.1
30°	1787.4	1799.7	1672.5	1439.5	1672.5	1799.7	1787.4	1932.0	1620.9	1490.8	1295.5
27.5°	5194.2	5673.6	5847.5	5770.9	5847.5	5673.6	5194.2	4791.5	4049.2	3505.0	2657.7
25°	9246.8	9562.7	9878.0	9914.5	9878.0	9562.7	9246.8	8985.6	8075.8	6634.7	5370.0
22.5°	13740.0	14188.9	14615.0	14517.5	14615.0	14188.9	13740.0	12986.5	11898.5	10290.4	8590.6
20°	18990.9	19300.4	19614.9	19266.9	19614.9	19300.4	18990.9	17866.8	16097.0	14138.9	11837.9
17.5°	25680.7	27138.4	28432.4	27847.1	28432.4	27138.4	25680.7	23375.4	21174.6	18333.2	15529.9
15°	34757.6	37294.6	38782.6	38703.9	38782.6	37294.6	34757.6	31685.3	28422.4	24770.4	21360.1
12.5°	45217.4	47868.6	49387.1	49073.0	49387.1	47868.6	45217.4	41609.9	36953.3	32566.6	28106.1
10°	54654.4	56736.3	58540.6	59247.3	58540.6	56736.3	54654.4	51381.5	46402.0	40784.3	34585.9
7.5°	62989.7	64540.8	66045.8	66314.8	66045.8	64540.8	62989.7	59798.2	54695.1	48325.0	41083.8
5°	69851.3	72048.9	72899.6	73237.0	72899.6	72048.9	69851.3	66641.0	61555.3	54569.6	46326.5
2.5°	75389.0	77399.3	78463.4	78149.3	78463.4	77399.3	75389.0	72171.3	66805.2	59808.0	50205.1
0°	78570.3	80161.5	81030.6	80822.8	81030.6	80161.5	78570.3	75925.8	70767.8	63699.2	52645.1
-2.5°	78883.8	79953.9	80633.7	80367.0	80633.7	79953.9	78883.8	76294.9	70969.1	63345.2	52496.9
-5°	76714.4	77585.2	77942.4	78095.0	77942.4	77585.2	76714.4	74564.2	69175.3	61472.0	50053.8
-7.5°	73725.3	74894.9	74717.1	75024.8	74717.1	74894.9	73725.3	72008.0	67125.2	59334.2	48544.7
-10°	71945.0	73024.4	72868.1	72951.2	72868.1	73024.4	71945.0	70114.3	64395.3	56899.2	45997.6
-12.5°	67625.3	69192.6	69433.2	69703.2	69433.2	69192.6	67625.3	64384.1	59368.9	51508.3	43152.4
-15°	60270.3	61992.5	63033.7	63268.1	63033.7	61992.5	60270.3	56831.5	51592.3	45912.5	38928.5
-17.5°	50974.8	53356.5	55030.9	55420.1	55030.9	53356.5	50974.8	47689.4	43737.5	39406.4	34367.6
-20°	40677.8	42382.7	43250.2	43717.8	43250.2	42382.7	40677.8	37886.4	35600.7	32301.2	29063.0



REPORT NUMBER: P731323 (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°	32017.1	33143.0	33626.3	33705.3	33626.3	33143.0	32017.1	30471.8	28518.4	26142.5	23566.7
-25°	25013.0	25780.5	26109.4	26595.3	26109.4	25780.5	25013.0	23643.8	21952.9	20176.8	17915.8
-27.5°	19411.0	20085.8	20386.6	20833.9	20386.6	20085.8	19411.0	18405.4	16995.0	15633.1	13854.9
-30°	15189.4	15596.0	15697.5	15719.6	15697.5	15596.0	15189.4	14502.2	13483.3	12339.1	10911.5
-32.5°	12014.9	12472.7	12746.0	12867.8	12746.0	12472.7	12014.9	11421.9	10658.2	9726.9	8658.6
-35°	9321.8	9623.6	9803.2	10005.4	9803.2	9623.6	9321.8	8879.7	8289.3	7588.6	6905.2
-37.5°	7247.4	7471.2	7594.9	7636.6	7594.9	7471.2	7247.4	6921.0	6501.2	5967.9	5452.0
-40°	5784.9	6007.1	6140.5	6160.5	6140.5	6007.1	5784.9	5491.6	5124.0	4651.1	4083.8
-42.5°	4547.7	4824.5	5003.6	5044.6	5003.6	4824.5	4547.7	4219.0	3786.4	3270.4	2655.0
-45°	2948.2	3205.9	3342.3	3333.6	3342.3	3205.9	2948.2	2613.7	2156.3	1637.1	1147.8
-47.5°	1233.5	1275.0	1292.8	1287.1	1292.8	1275.0	1233.5	1175.3	1084.2	972.7	860.3
-50°	907.6	931.2	944.1	947.1	944.1	931.2	907.6	879.8	844.7	801.1	756.3
-52.5°	815.0	823.7	826.7	826.6	826.7	823.7	815.0	807.2	798.1	780.3	759.4
-55°	848.5	867.5	875.0	875.0	875.0	867.5	848.5	828.5	807.0	769.1	728.4
-57.5°	791.7	813.0	822.9	825.4	822.9	813.0	791.7	767.5	740.9	695.0	645.9
-60°	667.9	685.1	692.6	694.3	692.6	685.1	667.9	648.2	626.2	588.8	546.5
-62.5°	537.8	550.8	554.8	553.8	554.8	550.8	537.8	521.9	503.4	473.3	437.6
-65°	397.5	406.4	407.1	403.9	407.1	406.4	397.5	386.2	372.7	352.0	325.6
-67.5°	273.8	279.5	279.8	277.5	279.8	279.5	273.8	266.2	256.6	242.4	223.5
-70°	172.7	177.1	177.3	175.9	177.3	177.1	172.7	167.4	161.0	152.7	141.9
-72.5°	105.0	107.3	109.4	111.0	109.4	107.3	105.0	102.1	98.8	94.5	88.5
-75°	63.5	64.3	64.2	63.8	64.2	64.3	63.5	62.3	60.8	58.6	54.3
-77.5°	36.8	37.5	38.8	40.1	38.8	37.5	36.8	35.9	35.0	33.7	30.8
-80°	21.1	21.2	21.8	22.4	21.8	21.2	21.1	20.9	20.6	20.1	18.5
-82.5°	14.6	15.3	15.4	15.4	15.4	15.3	14.6	13.9	13.2	12.5	11.4
-85°	9.1	9.4	10.0	10.6	10.0	9.4	9.1	8.7	8.4	8.0	7.4
-87.5°	5.6	5.9	5.9	5.9	5.9	5.9	5.6	5.3	5.0	4.7	4.7
-90°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.1	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	4.1	3.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.2	3.5
85°	2.4	2.4	2.4	2.6	2.8	3.0	3.1	3.2	3.2	3.4	3.5
82.5°	2.4	2.4	2.4	2.7	3.0	3.2	3.5	3.5	3.5	3.5	3.5
80°	2.8	3.0	3.1	3.1	3.2	3.4	3.5	3.6	3.5	3.5	3.6
77.5°	3.0	3.3	3.5	3.5	3.5	3.5	3.6	3.9	4.1	4.2	4.2
75°	3.3	3.4	3.5	3.6	3.6	3.5	3.6	3.9	4.2	4.5	4.7
72.5°	3.9	4.0	4.1	4.2	4.3	4.4	4.6	4.8	4.9	4.8	4.7
70°	5.2	5.4	5.6	5.9	6.1	6.2	6.3	6.4	6.5	6.6	6.0
67.5°	6.8	7.2	8.1	9.0	9.4	9.5	9.3	8.6	8.3	8.3	7.5
65°	8.0	8.4	9.1	9.9	10.8	11.9	13.6	13.8	13.1	11.5	9.0
62.5°	8.6	9.3	9.7	10.1	10.8	12.7	16.2	18.2	18.8	16.6	12.7
60°	8.3	8.4	8.9	9.5	10.1	13.6	18.8	22.6	24.8	21.0	15.8
57.5°	8.4	8.4	8.7	9.0	9.3	13.9	20.1	26.7	30.8	24.3	18.2
55°	9.2	9.2	9.1	9.2	9.6	14.0	19.7	26.3	30.2	26.3	19.4
52.5°	8.3	9.0	9.5	9.5	10.3	13.5	17.9	24.0	26.0	22.9	18.9
50°	10.4	10.4	10.4	10.3	11.1	12.7	16.0	20.8	20.9	19.6	16.3
47.5°	13.8	13.5	12.8	12.5	12.7	12.8	14.7	16.9	18.2	16.7	14.3
45°	22.6	20.2	16.9	16.9	16.4	15.7	14.8	17.3	18.1	17.1	13.2
42.5°	37.7	34.9	29.3	27.4	24.3	22.3	20.0	21.2	21.7	19.9	18.0
40°	82.9	63.2	59.0	49.3	41.2	34.0	30.7	27.6	27.6	25.9	25.2
37.5°	181.8	156.8	136.6	102.7	81.3	56.1	46.6	39.3	34.7	37.4	35.9
35°	324.0	294.3	271.3	225.7	159.0	120.9	72.6	56.6	52.3	54.9	50.3
32.5°	497.7	504.0	458.3	398.5	345.2	241.9	155.2	85.0	93.4	88.6	72.7
30°	1105.1	1012.7	760.5	771.3	771.3	493.9	286.8	224.1	166.9	137.9	104.8
27.5°	2567.6	2267.6	1740.9	1550.6	1541.8	1102.4	663.0	457.4	292.8	216.3	159.6
25°	4764.4	4256.4	3398.4	2833.0	2551.0	1945.0	1221.7	864.8	557.3	313.1	218.0
22.5°	7254.2	6330.5	5226.7	4143.2	3501.0	2590.3	1819.5	1364.2	854.0	448.1	288.5
20°	10001.5	8566.6	7182.9	5810.4	4461.3	3175.0	2269.4	1860.8	1247.9	633.0	356.1
17.5°	13327.4	11061.4	9583.1	7720.2	5885.3	4144.4	3186.9	2505.4	1741.4	788.2	417.8
15°	17494.8	15092.2	12830.1	10209.9	7829.7	6088.0	4544.6	3358.7	2325.7	1084.6	556.5
12.5°	24026.3	20362.0	16811.9	13377.8	10640.5	8332.4	6286.8	4550.2	3008.3	1613.4	782.7
10°	29963.2	25486.1	21002.8	17073.0	13704.9	10724.9	7913.5	5493.6	3602.4	2147.7	1030.2
7.5°	34798.5	29741.0	24972.6	20122.0	16005.3	12347.8	9036.6	6282.0	4105.1	2630.0	1287.6
5°	38676.4	32700.7	27250.4	21611.0	17449.3	13797.3	10045.2	6992.1	4519.2	3052.9	1542.7
2.5°	41088.0	34562.6	28891.9	22700.2	18507.6	14961.0	10923.3	7604.8	4869.6	3384.7	1765.0
0°	42506.3	35812.0	29971.4	23424.7	19106.3	15586.2	11645.6	8087.7	5153.3	3637.1	1959.0
-2.5°	42183.9	34948.6	28967.0	22369.7	17995.7	14521.0	10946.3	7906.6	5421.3	3692.0	1887.4
-5°	39447.6	32658.1	27111.7	21309.1	16981.0	13682.5	10418.1	7760.6	5564.9	3661.6	1777.9
-7.5°	38311.4	31031.8	25150.1	19842.0	15856.7	12857.6	10008.7	7669.0	5564.9	3611.2	1802.1
-10°	36531.4	30064.3	24457.1	19295.2	15278.3	12009.9	9562.4	7482.7	5449.6	3457.3	1759.5
-12.5°	35089.2	28923.5	23538.7	18790.7	15302.9	12010.7	9426.5	7250.3	5214.7	3197.9	1639.0
-15°	32969.7	27822.7	22636.6	18332.1	15051.7	11829.8	9207.2	6970.0	4708.7	2772.7	1432.5
-17.5°	29681.4	25781.4	20973.6	16784.1	13718.9	11297.5	8777.4	6326.8	4001.8	2222.4	1105.9
-20°	25682.0	22131.0	18238.0	14647.7	11757.2	9462.3	7748.5	5315.5	3209.4	1753.4	981.1



REPORT NUMBER: P731323 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21276.8	18138.8	14746.1	11899.9	9498.9	7574.8	5929.0	4007.9	2318.7	1239.7	849.3
-25°	16369.3	13961.1	11243.7	9386.3	7337.5	5541.6	4335.8	2926.1	1702.1	915.2	719.7
-27.5°	12378.1	10252.2	8792.4	7399.8	5780.9	4316.4	3135.5	1976.7	1098.0	782.4	636.4
-30°	9454.8	8276.8	7173.9	6114.4	4790.2	3440.6	2140.1	1327.9	841.2	670.5	577.4
-32.5°	7552.0	6777.9	5937.0	4979.4	3745.7	2426.7	1484.3	862.3	700.9	611.8	553.1
-35°	6200.3	5486.4	4678.3	3666.1	2491.2	1577.7	909.3	735.8	627.8	566.4	538.0
-37.5°	4870.0	4170.7	3271.3	2307.1	1498.1	928.9	769.3	657.0	579.6	550.2	508.4
-40°	3457.4	2703.4	1955.8	1214.1	918.2	775.3	679.9	602.2	567.7	523.7	470.9
-42.5°	2022.8	1374.3	1007.9	870.4	754.3	684.8	621.0	587.1	543.7	486.5	420.9
-45°	1023.2	902.8	791.3	734.4	672.3	634.7	602.6	555.6	501.6	436.8	366.4
-47.5°	801.4	755.2	704.8	673.1	646.4	612.3	560.9	507.9	446.3	382.4	323.8
-50°	725.8	709.0	687.0	654.7	608.9	561.7	505.6	446.6	390.2	335.6	281.7
-52.5°	731.8	691.9	649.4	603.5	547.9	493.1	438.8	389.5	339.4	289.6	241.8
-55°	684.8	633.7	580.5	525.1	469.2	423.4	377.9	333.5	288.6	243.2	205.7
-57.5°	595.6	546.0	497.7	448.4	398.5	357.6	318.4	277.7	240.3	205.2	170.8
-60°	504.0	461.3	416.6	373.8	333.5	296.5	261.7	228.5	197.0	166.2	135.5
-62.5°	401.7	366.3	331.1	297.5	265.6	235.6	206.3	178.5	152.1	126.4	103.5
-65°	298.3	270.3	243.6	220.0	196.7	173.7	149.8	129.6	111.3	93.0	74.4
-67.5°	203.9	183.7	164.7	148.0	134.2	120.2	104.7	89.0	77.1	66.8	55.6
-70°	130.5	118.7	107.4	96.4	87.4	79.7	71.1	62.3	53.6	45.8	37.8
-72.5°	82.0	75.2	68.7	62.8	56.6	51.1	45.4	39.4	33.3	27.1	22.0
-75°	49.8	44.9	40.2	36.3	32.1	27.6	24.5	22.1	19.5	16.9	14.2
-77.5°	28.0	25.1	22.6	20.8	19.0	17.1	15.0	13.2	12.0	10.9	10.1
-80°	16.9	15.3	13.8	12.8	11.8	10.8	9.9	9.2	8.6	8.2	7.9
-82.5°	10.4	9.4	8.4	8.0	7.6	7.3	7.0	6.8	6.6	6.4	6.2
-85°	6.8	6.2	5.7	5.6	5.6	5.5	5.5	5.4	5.3	5.3	5.2
-87.5°	4.7	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.4
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.2	3.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	3.7	3.9	4.0	4.2	4.3	4.4	4.5	4.7	4.7	4.7	4.7
85°	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	3.9	4.2	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.2	4.3	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.6	4.6	4.7	4.8	4.7	4.7	4.7	4.8	4.7	4.7
72.5°	4.7	4.7	4.7	4.8	5.0	5.0	4.9	4.8	5.0	5.0	4.8
70°	5.3	4.8	4.7	4.9	5.2	5.4	5.4	5.2	5.2	5.2	5.1
67.5°	6.5	5.8	5.2	5.0	5.2	5.5	5.8	5.6	5.4	5.5	5.4
65°	8.0	6.9	5.9	5.6	5.4	5.6	5.9	5.9	5.7	5.6	5.7
62.5°	9.8	8.3	7.1	6.2	5.8	5.7	5.9	5.9	5.9	5.8	5.8
60°	11.9	9.3	8.2	7.2	6.3	5.9	5.9	5.9	5.9	5.9	5.9
57.5°	13.2	9.8	8.8	8.0	7.0	6.2	5.9	5.9	5.9	5.9	5.9
55°	13.8	10.1	9.3	8.5	7.6	6.7	6.1	5.9	5.9	5.9	5.9
52.5°	13.4	10.7	9.8	8.9	8.1	7.2	6.5	5.9	5.9	5.9	5.9
50°	11.9	11.4	10.4	9.4	8.5	7.7	7.0	6.3	5.9	5.9	5.9
47.5°	12.1	12.1	11.3	9.9	8.9	8.2	7.4	6.7	5.9	5.9	5.9
45°	13.7	13.1	12.3	10.8	9.3	8.6	7.8	7.0	6.2	5.9	5.9
42.5°	16.6	15.6	13.6	11.8	10.4	9.0	8.3	7.4	6.6	6.0	5.9
40°	23.0	19.5	15.9	14.7	11.8	9.4	8.6	7.8	6.9	6.2	6.0
37.5°	30.9	25.9	20.6	20.5	14.6	10.9	9.0	8.1	7.3	6.6	6.2
35°	42.7	34.4	30.3	29.2	22.1	12.6	9.3	8.4	7.7	6.9	6.3
32.5°	56.2	50.2	46.6	39.3	31.9	14.5	10.4	9.0	8.2	7.2	6.5
30°	82.6	79.0	67.6	50.3	43.0	23.4	12.2	9.7	8.7	7.5	6.7
27.5°	123.3	114.4	93.9	69.0	53.4	34.3	14.6	10.4	9.2	7.9	6.9
25°	166.8	152.1	128.3	92.8	64.4	45.8	17.1	11.3	9.7	8.3	7.2
22.5°	218.7	187.8	167.2	119.3	78.4	57.6	23.1	13.3	10.4	8.7	7.4
20°	266.6	221.9	208.8	145.4	98.2	68.6	32.5	15.4	11.1	9.1	7.6
17.5°	313.0	267.3	240.8	176.3	120.0	81.1	41.7	17.5	11.8	9.5	7.8
15°	400.6	330.4	278.3	207.6	140.5	94.6	50.6	19.5	12.6	9.9	8.0
12.5°	501.0	397.4	321.6	238.7	159.7	108.9	59.1	21.5	13.3	10.2	8.1
10°	605.0	466.8	369.0	269.2	177.5	123.4	67.0	24.2	14.4	10.6	8.2
7.5°	709.9	537.1	418.7	298.2	197.5	145.5	85.3	28.5	15.6	10.9	8.2
5°	806.1	603.1	471.0	343.8	235.5	175.3	105.7	32.9	16.8	11.3	8.3
2.5°	865.6	660.6	521.1	389.1	272.6	204.2	125.6	37.3	17.9	11.6	8.3
0°	916.3	713.2	566.8	431.0	308.2	231.4	144.1	41.3	18.9	11.8	8.3
-2.5°	917.1	714.8	582.2	470.9	347.6	260.6	166.8	53.4	25.9	15.0	9.4
-5°	909.8	712.6	595.9	507.2	384.2	287.2	186.4	64.8	32.5	18.0	10.5
-7.5°	927.5	720.0	608.5	536.1	417.2	310.9	202.1	75.1	38.7	20.8	11.5
-10°	939.6	729.3	616.7	534.5	417.4	317.6	211.3	84.1	44.1	23.2	12.4
-12.5°	935.7	731.2	621.9	527.5	408.8	309.2	203.1	90.3	48.6	25.2	13.2
-15°	913.9	724.8	623.7	514.6	396.5	299.2	193.4	94.6	52.5	27.1	13.8
-17.5°	860.8	709.5	622.2	495.4	380.5	287.7	182.7	97.4	55.3	29.0	14.7
-20°	780.0	674.3	613.6	469.5	360.6	275.0	171.2	98.7	57.1	30.2	15.8



REPORT NUMBER: P731323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	704.5	631.9	564.0	444.0	339.9	261.2	159.4	98.4	57.6	30.7	16.5
-25°	628.6	592.3	513.2	410.3	321.9	243.8	152.8	96.4	56.9	30.4	16.9
-27.5°	577.4	550.8	466.7	375.5	299.6	227.3	149.7	95.3	55.4	29.2	17.0
-30°	540.0	501.1	426.1	342.3	275.2	204.8	144.5	92.5	54.1	28.5	16.6
-32.5°	517.3	458.8	386.0	313.7	248.8	182.0	133.0	87.9	51.5	28.1	16.3
-35°	485.5	419.5	346.5	282.8	222.1	165.1	118.9	81.4	47.6	27.1	15.9
-37.5°	451.2	378.5	310.9	251.6	195.2	146.8	106.0	71.8	42.5	25.5	15.2
-40°	404.4	337.5	275.7	222.3	172.2	127.1	92.4	62.8	39.1	23.4	14.1
-42.5°	355.7	298.2	244.1	193.6	149.4	111.3	78.6	53.5	35.1	21.4	12.7
-45°	312.3	260.3	213.1	168.5	126.2	94.8	67.8	44.4	30.6	19.5	11.5
-47.5°	269.7	225.9	183.9	142.9	107.8	79.0	56.6	39.0	25.9	17.1	10.8
-50°	232.3	193.3	156.1	121.1	89.4	66.4	46.3	33.3	22.5	14.1	10.0
-52.5°	199.7	163.7	130.5	99.6	74.7	53.4	39.5	27.4	18.8	12.3	9.1
-55°	169.0	135.2	105.5	81.2	60.3	44.5	32.4	22.9	14.8	11.1	8.1
-57.5°	138.2	106.8	84.5	64.4	48.9	36.4	26.2	18.1	12.7	9.7	7.9
-60°	107.4	85.0	65.3	51.4	39.4	28.8	20.3	14.0	11.0	8.5	7.7
-62.5°	82.3	64.2	51.8	40.4	30.3	21.8	14.9	12.0	9.3	8.2	7.4
-65°	61.7	50.0	39.2	30.0	21.7	15.5	12.5	9.8	8.6	7.9	7.1
-67.5°	44.9	35.9	27.4	19.6	15.5	12.5	9.9	8.9	8.2	7.5	6.8
-70°	29.8	22.3	17.6	14.6	11.8	9.7	9.1	8.5	7.9	7.2	6.5
-72.5°	18.5	15.4	12.7	10.4	9.6	9.0	8.5	8.1	7.5	6.8	6.2
-75°	11.7	10.6	9.9	9.2	8.7	8.3	8.0	7.6	7.0	6.5	6.1
-77.5°	9.4	8.9	8.4	8.1	7.9	7.7	7.5	7.2	6.7	6.3	6.0
-80°	7.7	7.5	7.5	7.4	7.3	7.1	6.9	6.7	6.4	6.1	6.0
-82.5°	6.3	6.4	6.6	6.8	6.6	6.5	6.4	6.2	6.0	5.9	5.8
-85°	5.4	5.7	5.9	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4
-87.5°	4.6	4.9	5.1	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.1
-90°	3.5	3.5	3.5	3.5	3.8	4.1	4.4	4.7	4.7	4.7	4.7



REPORT NUMBER: P731323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
67.5°	5.0	4.7	4.7	4.7	4.7	4.7	4.7
65°	5.3	4.8	4.7	4.7	4.7	4.7	4.7
62.5°	5.6	5.1	4.7	4.7	4.7	4.7	4.7
60°	5.9	5.3	4.7	4.7	4.7	4.7	4.7
57.5°	5.9	5.5	4.9	4.7	4.7	4.7	4.7
55°	5.9	5.7	5.0	4.7	4.7	4.7	4.7
52.5°	5.9	5.9	5.2	4.7	4.7	4.7	4.7
50°	5.9	5.9	5.4	4.7	4.7	4.7	4.7
47.5°	5.9	5.9	5.5	4.7	4.7	4.7	4.7
45°	5.9	5.9	5.7	4.8	4.7	4.7	4.7
42.5°	5.9	5.9	5.8	5.0	4.7	4.7	4.7
40°	5.9	5.9	5.9	5.0	4.7	4.7	4.7
37.5°	5.9	5.9	5.9	5.1	4.7	4.7	4.7
35°	5.9	5.9	5.9	5.2	4.7	4.7	4.7
32.5°	5.9	5.9	5.9	5.2	4.7	4.7	4.7
30°	6.1	5.9	5.9	5.2	4.7	4.7	4.7
27.5°	6.2	5.9	5.9	5.3	4.7	4.7	4.7
25°	6.3	5.9	5.8	5.2	4.7	4.7	4.7
22.5°	6.5	5.9	5.8	5.2	4.7	4.7	4.7
20°	6.6	5.9	5.8	5.2	4.7	4.7	4.7
17.5°	6.8	5.9	5.8	5.2	4.7	4.7	4.7
15°	6.8	5.9	5.8	5.1	4.7	4.7	4.7
12.5°	6.9	5.9	5.8	5.1	4.7	4.7	4.7
10°	7.0	5.9	5.9	5.0	4.7	4.7	4.7
7.5°	7.0	5.9	5.9	4.9	4.7	4.7	4.7
5°	7.1	5.9	5.9	4.9	4.7	4.7	4.7
2.5°	7.1	5.9	5.9	4.8	4.7	4.7	4.7
0°	7.1	5.9	5.9	4.8	4.7	4.7	4.7
-2.5°	7.6	6.2	5.9	4.8	4.7	4.7	4.7
-5°	8.0	6.4	5.9	4.9	4.7	4.7	4.7
-7.5°	8.4	6.7	5.9	4.9	4.7	4.7	4.7
-10°	8.8	6.9	5.9	5.0	4.7	4.7	4.7
-12.5°	9.1	7.1	5.8	5.1	4.7	4.7	4.7
-15°	9.4	7.2	5.8	5.1	4.7	4.7	4.7
-17.5°	9.7	7.3	5.8	5.2	4.7	4.7	4.7
-20°	10.0	7.3	5.8	5.2	4.7	4.7	4.7



REPORT NUMBER: P731323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	10.4	7.3	5.8	5.2	4.7	4.7	4.7
-25°	10.6	7.3	5.8	5.2	4.7	4.7	4.7
-27.5°	10.6	7.2	5.9	5.3	4.7	4.7	4.7
-30°	10.4	7.1	5.9	5.2	4.7	4.7	4.7
-32.5°	10.0	6.9	6.0	5.2	4.7	4.7	4.7
-35°	9.7	6.7	6.0	5.2	4.7	4.7	4.7
-37.5°	9.4	6.5	6.1	5.1	4.7	4.7	4.7
-40°	9.1	6.6	6.1	5.0	4.7	4.7	4.7
-42.5°	8.6	6.6	6.0	5.0	4.7	4.7	4.7
-45°	8.1	6.6	5.9	4.9	4.7	4.7	4.7
-47.5°	7.5	6.6	5.8	4.8	4.7	4.7	4.7
-50°	7.3	6.6	5.7	4.8	4.7	4.7	4.7
-52.5°	7.3	6.5	5.6	4.8	4.7	4.7	4.7
-55°	7.2	6.4	5.4	4.8	4.7	4.7	4.7
-57.5°	7.0	6.2	5.3	4.9	4.7	4.7	4.7
-60°	6.8	6.0	5.1	4.9	4.7	4.7	4.7
-62.5°	6.6	5.8	5.2	4.9	4.7	4.7	4.7
-65°	6.4	5.6	5.2	4.9	4.7	4.7	4.7
-67.5°	6.1	5.5	5.2	4.9	4.7	4.7	4.7
-70°	5.8	5.5	5.2	4.9	4.7	4.7	4.7
-72.5°	5.8	5.5	5.2	4.9	4.7	4.7	4.7
-75°	5.8	5.6	5.3	4.9	4.7	4.7	4.7
-77.5°	5.9	5.6	5.2	4.9	4.7	4.7	4.7
-80°	5.9	5.5	5.1	4.8	4.7	4.7	4.7
-82.5°	5.6	5.3	5.0	4.8	4.7	4.7	4.7
-85°	5.3	5.1	4.9	4.8	4.7	4.7	4.7
-87.5°	5.0	4.9	4.8	4.7	4.7	4.7	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

