

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: P731602 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-70-3S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731602 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-70-3S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

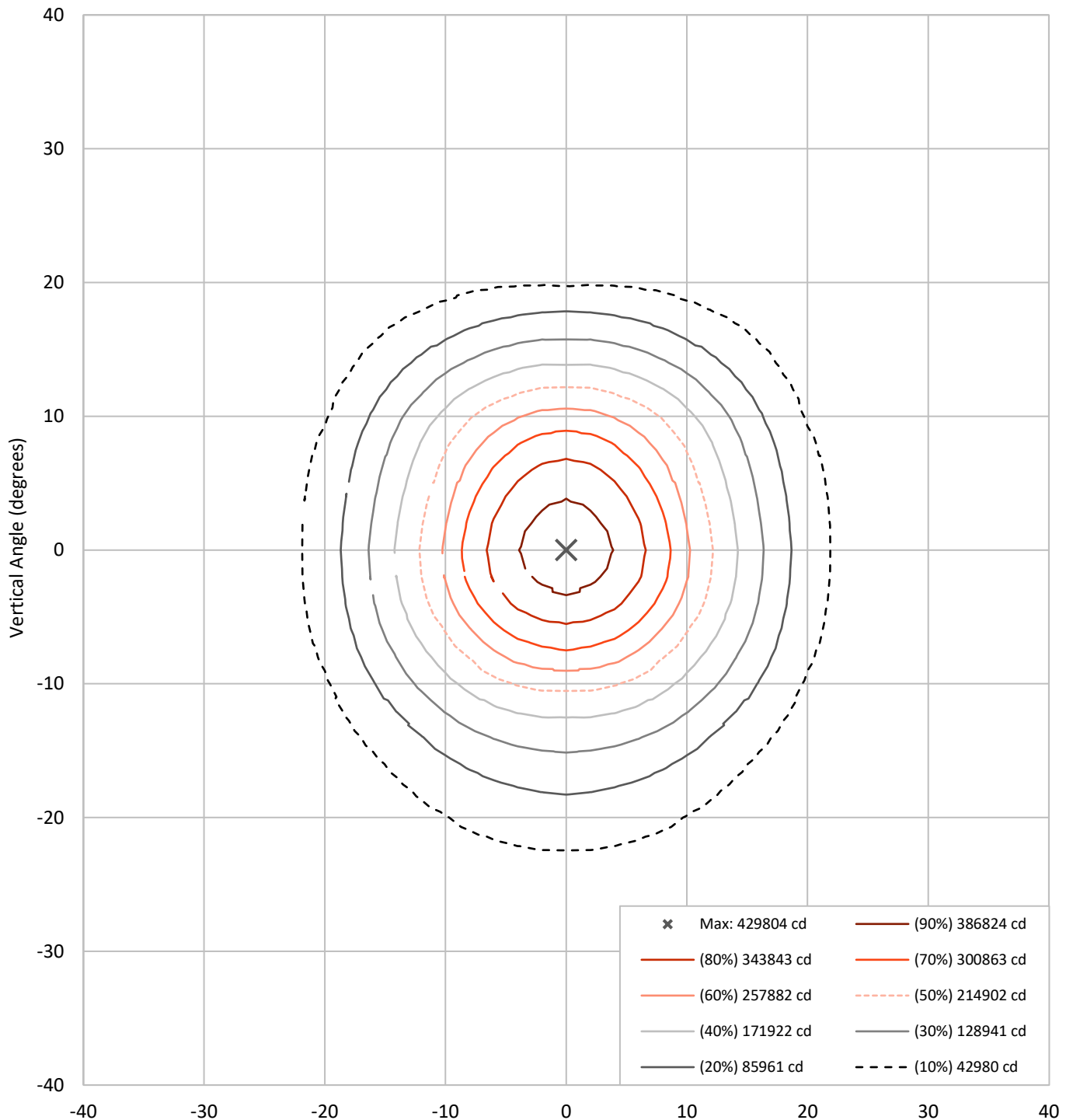
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	89080.4 lumens	Max Intensity:	429804 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	127.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	42005.6 lumens	Field Lumens:	75884.9 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

Input Watts (W): 697.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





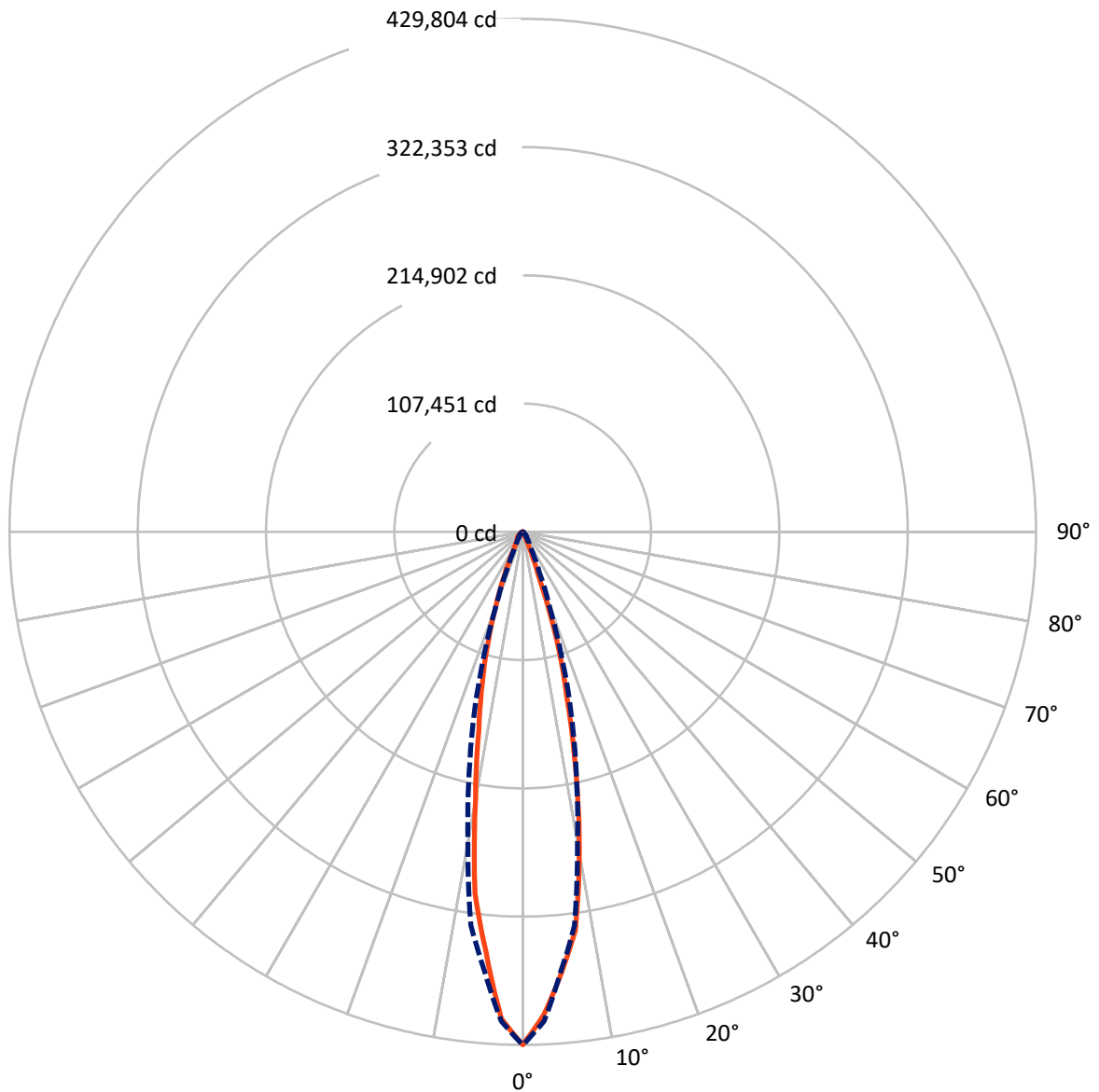
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Lumen Table

90	0.1		0.3		0.5		0.6		0.6		0.6		0.5		0.3		0.1	
80	0.1		0.3		0.5		0.6		0.6		0.6		0.5		0.3		0.1	
70	0.1	0.1	0.2	0.7	0.9	0.7	0.5	0.4	0.4	0.5	0.7	0.9	0.7	0.2	0.1	0.1		
60		0.1	0.5	1.0	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.0	0.5	0.1			
50	0.2	0.3	0.8	0.7	0.9	1.3	2.3	1.6	1.6	2.3	1.3	0.9	0.7	0.8	0.3	0.2		
40		0.5	1.5	3.5	6.2	9.1	12.4	14.9	14.9	12.4	9.1	6.2	3.5	1.5	0.5			
30	0.3	0.8	6.1	19.0	43.9	73.2	150.3	289.2	289.2	150.3	73.2	43.9	19.0	6.1	0.8	0.3		
20		1.8	13.0	48.4	117.1	310.1	1707.2	4028.8	4028.8	1707.2	310.1	117.1	48.4	13.0	1.8			
10	0.4	2.8	17.2	64.4	150.7	661.3	4092.7	9598.2	9598.2	4092.7	661.3	150.7	64.4	17.2	2.8	0.4		
0		3.5	18.5	65.5	151.0	654.8	4021.2	9198.0	9198.0	4021.2	654.8	151.0	65.5	18.5	3.5			
-10	0.8	4.1	17.5	54.3	118.7	312.6	1630.3	3679.6	3679.6	1630.3	312.6	118.7	54.3	17.5	4.1	0.8		
-20		4.4	16.2	40.7	101.2	177.2	405.7	829.3	829.3	405.7	177.2	101.2	40.7	16.2	4.4			
-30	0.6	3.8	14.0	30.8	74.7	146.5	205.8	252.7	252.7	205.8	146.5	74.7	30.8	14.0	3.8	0.6		
-40		2.7	10.6	24.3	45.3	80.5	131.8	168.7	168.7	131.8	80.5	45.3	24.3	10.6	2.7			
-50	0.3	1.4	6.5	16.3	30.9	47.6	63.7	73.8	73.8	63.7	47.6	30.9	16.3	6.5	1.4	0.3		
-60		0.5	2.2	7.1	14.4	22.9	31.2	36.0	36.0	31.2	22.9	14.4	7.1	2.2	0.5			
-70	0.2	1.3	4.5	11.7	15.9	11.7	4.5	1.3	0.2	0.2								
-80		1.3	4.5	11.7	15.9	11.7	4.5	1.3	0.2									
-90	0.2		1.3		4.5		11.7		15.9		11.7		4.5		1.3		0.2	

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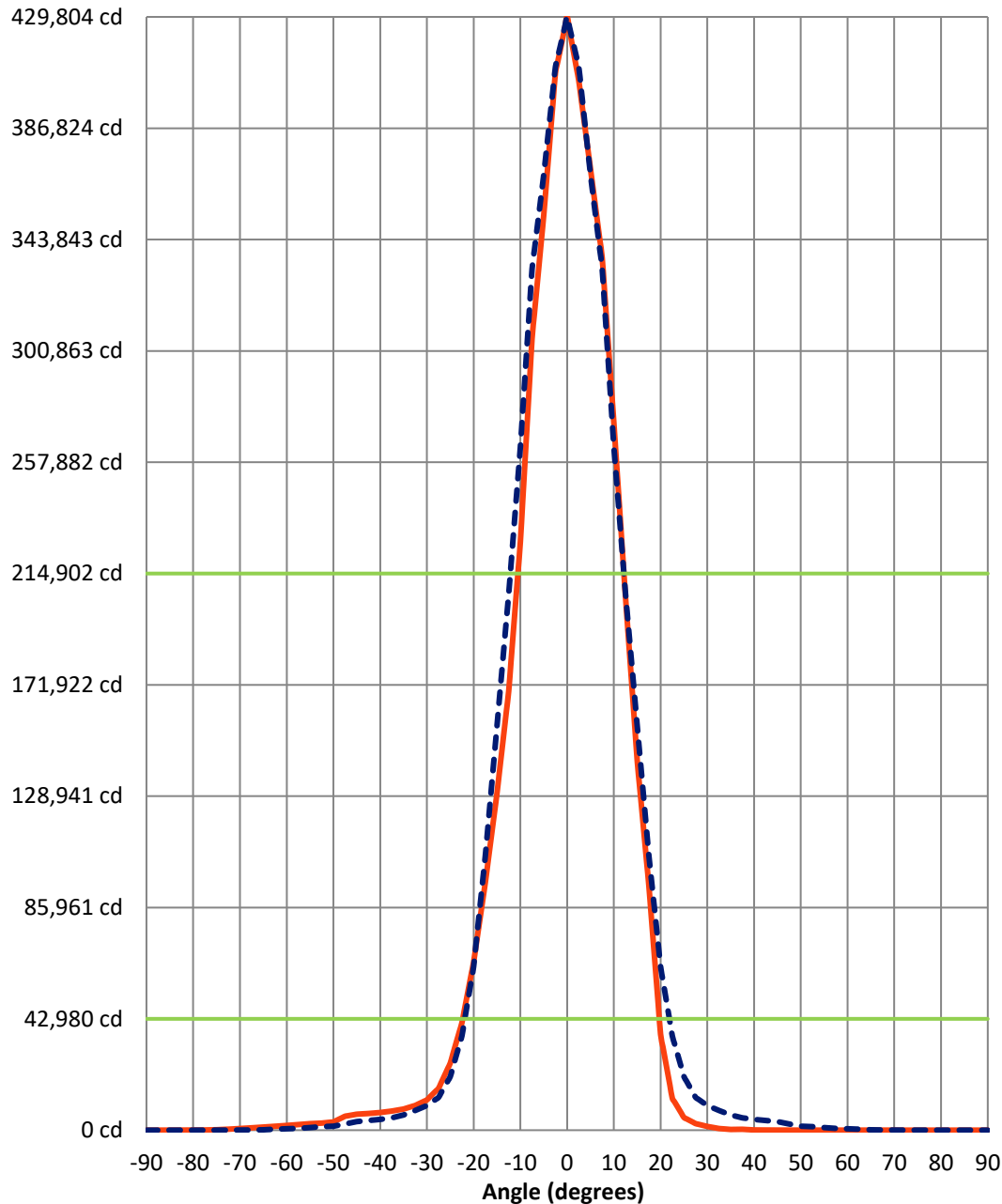
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.3°
 V Angle: 22.7°
 Lumens: 42005.6
 Efficiency: 47.2%

Field:
 H Angle: 43.8°
 V Angle: 42.1°
 Lumens: 75884.9
 Efficiency: 85.2%

Spill:
 Lumens: 13195.5
 Efficiency: 14.8%

— 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°	4.4	5.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
87.5°	4.4	4.5	4.6	4.6	4.6	4.5	4.4	4.4	4.4	4.4	4.4
85°	4.4	4.6	4.8	4.8	4.8	4.6	4.4	4.4	4.4	4.4	4.4
82.5°	4.4	4.7	5.0	5.0	5.0	4.8	4.4	4.4	4.4	4.5	4.4
80°	4.4	4.8	5.2	5.3	5.2	4.9	4.5	4.7	4.8	4.7	4.5
77.5°	4.4	4.9	5.4	5.5	5.4	5.1	5.1	5.3	5.2	5.0	4.5
75°	4.4	5.0	5.5	5.7	5.6	5.5	5.6	5.8	5.6	5.1	4.6
72.5°	4.4	5.1	5.7	6.0	5.8	5.8	6.2	6.2	5.7	5.2	4.6
70°	4.4	5.2	5.9	6.2	6.0	6.2	6.6	6.3	5.7	5.2	5.3
67.5°	4.4	5.2	6.1	6.2	6.2	6.5	6.6	6.3	5.8	5.8	6.1
65°	4.4	5.3	6.3	6.3	6.3	6.6	6.6	6.4	6.1	6.3	6.7
62.5°	4.4	5.4	6.4	6.4	6.5	6.6	6.6	6.5	6.4	6.7	6.9
60°	4.4	5.5	6.6	6.4	6.6	6.6	6.6	6.6	6.6	7.1	7.2
57.5°	4.4	5.6	6.6	6.5	6.6	6.6	6.7	6.6	7.0	7.5	7.5
55°	4.4	5.7	6.6	6.5	6.6	6.6	6.8	6.7	7.5	8.0	8.0
52.5°	4.4	5.7	6.6	6.6	6.6	6.6	7.0	7.3	8.1	8.6	8.6
50°	4.4	5.8	6.6	6.6	6.6	6.8	7.2	7.9	8.7	9.3	11.5
47.5°	4.4	5.9	6.6	6.6	6.6	7.0	7.5	8.5	9.5	10.0	14.5
45°	4.4	6.0	6.6	6.6	6.6	7.3	8.0	9.0	10.1	12.3	17.1
42.5°	4.4	6.0	6.6	6.6	6.6	7.5	8.5	9.6	10.8	14.4	22.1
40°	4.4	6.1	6.6	6.6	6.7	7.8	8.9	10.2	11.8	16.3	27.2
37.5°	4.4	6.1	6.6	6.6	6.9	8.1	9.4	10.8	13.3	18.8	32.0
35°	4.4	6.2	6.6	6.6	7.1	8.4	9.9	11.3	14.6	23.2	36.0
32.5°	4.4	6.3	6.6	6.6	7.3	8.8	10.3	11.8	15.8	27.6	39.6
30°	4.4	6.3	6.6	6.6	7.6	9.1	10.7	12.4	16.9	32.0	43.3
27.5°	4.4	6.4	6.6	6.6	7.7	9.5	11.1	13.3	18.8	36.4	47.1
25°	4.4	6.4	6.6	6.6	7.9	9.8	11.5	14.2	22.3	39.9	51.2
22.5°	4.4	6.4	6.6	6.6	8.1	10.1	11.9	14.9	25.6	43.1	58.3
20°	4.4	6.5	6.6	6.6	8.2	10.2	12.2	15.5	28.8	46.2	66.0
17.5°	4.4	6.5	6.6	6.6	8.3	10.4	12.6	16.0	31.8	49.2	74.1
15°	4.4	6.5	6.6	6.6	8.4	10.5	13.0	16.7	34.5	52.1	82.3
12.5°	4.4	6.5	6.6	6.6	8.5	10.6	13.4	17.6	37.7	54.9	90.6
10°	4.4	6.6	6.6	6.6	8.6	10.7	13.8	18.5	41.2	59.4	99.9
7.5°	4.4	6.6	6.6	6.6	8.6	10.8	14.2	19.4	44.5	64.0	111.3
5°	4.4	6.6	6.6	6.6	8.7	10.9	14.6	20.3	47.5	68.4	122.3
2.5°	4.4	6.6	6.6	6.6	8.7	10.9	15.0	21.1	50.2	72.6	132.6
0°	4.4	6.6	6.6	6.6	8.7	10.9	15.3	21.8	52.4	76.4	141.9
-2.5°	4.4	6.6	6.7	6.9	9.1	11.9	17.9	28.6	64.4	96.0	167.2
-5°	4.4	6.6	6.8	7.2	9.4	12.8	20.4	35.2	75.8	114.8	190.8
-7.5°	4.4	6.6	6.9	7.4	9.8	13.7	22.7	41.3	86.1	132.5	212.5
-10°	4.4	6.6	7.0	7.7	10.1	14.5	24.8	46.8	95.3	148.6	232.1
-12.5°	4.4	6.6	7.0	8.0	10.4	15.2	26.6	51.6	103.1	163.0	251.9
-15°	4.4	6.5	7.1	8.2	10.7	15.8	28.1	55.4	110.0	176.1	269.3
-17.5°	4.4	6.5	7.2	8.4	11.0	16.3	29.3	59.1	116.1	187.0	282.7
-20°	4.4	6.5	7.2	8.6	11.2	16.7	30.4	62.2	120.2	195.6	291.6



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 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.4	6.5	7.3	8.8	11.4	16.9	31.4	63.9	122.1	201.7	295.6
-25°	4.4	6.4	7.3	8.9	11.6	17.2	31.7	64.2	121.8	205.1	294.4
-27.5°	4.4	6.4	7.4	9.1	11.8	17.2	31.2	63.0	119.0	205.3	297.2
-30°	4.4	6.4	7.4	9.2	11.9	17.1	30.0	60.1	116.3	201.6	296.7
-32.5°	4.4	6.3	7.4	9.2	12.0	16.8	27.8	58.1	112.9	194.6	292.4
-35°	4.4	6.3	7.4	9.3	12.1	16.3	26.7	55.6	107.1	184.2	284.3
-37.5°	4.4	6.3	7.4	9.3	12.1	15.9	26.1	51.8	98.9	170.3	266.2
-40°	4.4	6.3	7.3	9.3	12.0	15.8	25.1	46.6	88.4	157.4	243.7
-42.5°	4.4	6.2	7.3	9.2	11.9	15.7	23.8	40.1	79.3	140.8	217.8
-45°	4.4	6.2	7.2	9.1	11.8	15.5	22.1	34.9	70.3	121.5	189.8
-47.5°	4.4	6.1	7.1	9.0	11.7	15.2	20.2	32.5	59.6	100.0	165.2
-50°	4.4	6.1	7.1	8.9	11.5	14.8	19.4	29.8	46.7	85.1	137.8
-52.5°	4.4	6.1	7.0	8.7	11.2	14.3	18.8	26.6	39.7	68.9	109.0
-55°	4.4	6.0	6.9	8.5	10.9	13.9	18.0	23.3	35.3	51.5	88.9
-57.5°	4.4	6.0	6.7	8.3	10.6	13.5	17.1	22.1	30.6	43.1	67.3
-60°	4.4	6.0	6.6	8.1	10.3	13.0	16.1	20.7	26.3	37.2	49.7
-62.5°	4.4	5.9	6.6	7.9	9.9	12.4	15.4	19.3	24.5	31.0	42.6
-65°	4.4	5.9	6.6	7.6	9.5	11.9	14.6	18.0	22.7	27.9	35.0
-67.5°	4.4	5.9	6.6	7.4	9.1	11.2	13.8	16.9	20.7	25.5	30.7
-70°	4.4	5.8	6.6	7.1	8.7	10.6	12.9	15.8	19.2	23.0	27.8
-72.5°	4.4	5.8	6.6	7.0	8.2	9.9	11.9	14.6	17.7	21.1	24.8
-75°	4.4	5.8	6.6	7.0	7.7	9.1	10.9	13.3	16.2	19.2	22.4
-77.5°	4.4	5.7	6.6	6.9	7.5	8.4	9.9	12.0	14.5	17.1	20.0
-80°	4.4	5.7	6.6	6.9	7.3	7.9	8.8	10.7	12.7	15.0	17.4
-82.5°	4.4	5.6	6.6	6.8	7.1	7.6	8.2	9.4	11.0	12.8	14.8
-85°	4.4	5.6	6.6	6.7	7.0	7.3	7.7	8.5	9.5	10.7	12.1
-87.5°	4.4	5.5	6.6	6.7	6.8	6.9	7.1	7.6	8.1	8.7	9.3
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



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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°	7.1	7.7	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	3.9	3.3	2.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	3.9	3.3	2.9	2.5	2.6	2.5	2.4	2.2	2.2	2.2	2.2
82.5°	4.1	3.9	3.8	3.8	3.6	3.3	2.8	2.5	2.6	2.5	2.4
80°	4.3	4.4	4.4	4.4	4.1	4.0	3.9	4.0	3.8	3.5	3.2
77.5°	4.4	4.4	4.4	4.4	4.4	4.6	4.9	5.5	5.5	5.2	5.0
75°	4.4	4.4	4.5	4.5	4.6	5.1	5.9	6.4	6.4	6.2	6.2
72.5°	4.8	5.0	5.0	4.7	5.1	5.8	6.3	6.6	7.9	9.6	10.9
70°	5.6	5.7	5.6	5.7	6.2	7.1	9.4	12.4	15.5	17.7	20.6
67.5°	6.5	6.2	6.3	6.8	8.4	10.9	14.3	22.0	30.6	34.0	35.6
65°	6.6	6.5	7.1	8.5	10.7	17.1	25.6	35.6	46.1	48.4	48.2
62.5°	6.6	6.9	8.0	11.3	17.4	25.5	36.5	47.7	58.7	56.9	50.3
60°	6.8	7.1	11.0	17.5	24.8	35.6	47.7	53.6	57.1	56.8	48.9
57.5°	7.1	9.6	16.3	24.5	34.9	44.2	48.1	51.6	53.7	55.4	46.0
55°	8.9	14.0	22.4	33.3	41.7	43.6	45.9	47.1	48.9	45.4	35.1
52.5°	12.9	19.0	30.0	39.6	43.3	42.9	40.7	40.9	37.9	33.0	27.9
50°	16.6	26.2	36.6	42.6	44.4	41.1	35.3	33.5	30.3	26.4	22.9
47.5°	22.2	33.1	40.6	45.6	44.5	39.9	33.1	29.0	25.7	24.7	21.3
45°	28.3	38.0	45.1	47.2	44.9	39.0	33.5	26.1	27.7	27.5	27.1
42.5°	34.2	42.1	48.1	49.8	44.9	41.0	36.1	34.4	34.2	38.5	41.5
40°	38.0	46.0	51.6	52.1	46.7	45.7	49.0	51.1	49.1	56.5	62.8
37.5°	41.5	50.0	56.9	59.5	52.8	58.2	66.4	89.4	91.6	78.4	100.4
35°	44.7	54.7	67.6	77.8	77.5	78.0	113.3	148.2	164.5	144.0	163.1
32.5°	48.7	60.0	82.4	109.0	131.0	134.5	172.7	243.8	277.2	278.6	275.9
30°	54.4	74.1	105.5	149.3	204.8	258.6	287.8	366.0	419.6	511.4	580.9
27.5°	62.4	92.2	144.4	217.4	305.0	411.8	476.8	522.1	654.3	825.9	1010.9
25°	71.5	128.7	189.3	304.7	453.5	589.3	672.2	726.5	957.4	1297.9	1536.2
22.5°	91.3	175.7	255.0	404.0	621.3	773.9	861.5	1036.5	1394.6	1851.7	2133.8
20°	125.6	233.2	332.1	494.4	792.9	962.9	1045.8	1393.2	1946.0	2414.7	2803.2
17.5°	165.2	291.2	408.6	600.5	889.4	1108.4	1249.2	1775.1	2533.4	2954.4	3399.4
15°	208.7	349.1	476.8	694.7	982.3	1194.5	1499.2	2235.4	3070.6	3472.7	3931.8
12.5°	254.8	406.3	537.1	777.3	1073.9	1274.0	1722.9	2563.8	3348.0	3892.4	4488.0
10°	301.9	462.1	590.3	848.6	1162.3	1347.2	1933.1	2837.5	3494.6	4006.6	4701.7
7.5°	331.0	500.6	633.9	908.9	1245.4	1414.1	2124.9	3058.4	3598.7	4074.3	4730.8
5°	352.1	519.1	655.3	950.0	1303.4	1467.3	2281.5	3228.8	3666.4	4101.3	4679.0
2.5°	367.7	533.5	673.4	980.8	1339.1	1503.8	2355.1	3294.4	3711.2	4134.3	4686.7
0°	377.8	543.8	687.9	1002.4	1362.7	1535.2	2393.4	3317.2	3738.7	4162.3	4765.0
-2.5°	391.2	558.7	710.8	1024.3	1368.7	1542.2	2399.0	3308.3	3754.5	4229.3	4849.8
-5°	400.0	569.4	729.2	1036.7	1364.4	1543.1	2368.9	3261.0	3731.6	4212.8	4817.2
-7.5°	405.2	576.0	742.3	1037.7	1341.0	1519.8	2266.2	3112.4	3603.6	4055.0	4649.0
-10°	409.6	585.3	754.7	1020.1	1295.9	1479.1	2121.2	2936.1	3461.4	3877.2	4435.0
-12.5°	423.3	598.0	763.9	998.8	1249.5	1433.2	1943.8	2737.3	3308.0	3681.9	4204.2
-15°	432.9	608.2	769.4	975.5	1204.7	1382.5	1735.4	2520.6	3191.1	3611.1	4058.9
-17.5°	438.6	616.4	771.3	951.9	1163.8	1327.3	1506.3	2319.6	3098.1	3572.8	3986.2
-20°	440.3	623.1	770.0	929.6	1127.8	1294.5	1455.4	2075.5	2870.5	3511.6	3922.0



REPORT NUMBER: P731602 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	438.1	628.5	768.0	919.4	1104.5	1279.7	1436.0	1805.8	2570.0	3423.4	3839.7
-25°	436.8	621.1	767.7	905.0	1078.3	1261.8	1415.8	1553.6	2232.1	3084.4	3729.3
-27.5°	434.1	609.5	752.2	882.2	1045.5	1236.7	1392.1	1528.0	1920.7	2699.1	3555.7
-30°	424.3	578.5	731.0	853.8	1012.3	1194.4	1365.2	1509.2	1656.1	2305.8	3104.9
-32.5°	402.4	544.5	696.1	826.1	971.1	1145.3	1327.1	1476.2	1625.3	1863.8	2621.7
-35°	379.1	512.5	655.3	791.8	921.2	1088.8	1262.6	1432.0	1580.4	1736.4	2106.2
-37.5°	361.2	477.4	612.8	748.8	877.4	1024.6	1190.9	1362.3	1522.1	1683.2	1865.3
-40°	339.5	439.4	570.4	700.7	829.0	961.9	1115.4	1277.4	1444.9	1630.3	1801.1
-42.5°	313.7	411.0	525.7	651.1	775.6	903.2	1035.6	1189.1	1364.2	1560.2	1740.8
-45°	281.2	378.7	479.9	597.5	717.7	839.3	965.2	1098.1	1273.6	1460.8	1652.9
-47.5°	244.9	341.0	438.8	539.3	654.7	771.9	889.6	1023.8	1172.2	1346.4	1533.1
-50°	207.2	296.2	391.7	484.6	586.5	699.0	812.5	941.9	1081.6	1226.8	1390.2
-52.5°	172.9	247.3	336.5	428.5	520.1	619.9	730.7	851.3	980.8	1118.9	1253.4
-55°	135.5	202.1	276.1	363.8	454.1	543.1	638.4	748.9	868.0	994.1	1120.0
-57.5°	105.3	155.2	218.9	292.2	377.6	466.2	550.9	639.1	743.4	856.4	966.6
-60°	79.0	114.7	162.9	224.9	293.7	375.3	459.7	541.4	624.1	707.6	805.0
-62.5°	54.8	82.5	116.0	158.8	217.8	281.6	355.6	433.4	512.3	584.1	655.2
-65°	46.0	55.3	78.3	109.6	142.8	196.8	256.0	318.1	387.4	449.4	513.4
-67.5°	36.8	45.3	53.6	66.1	94.6	125.8	159.4	211.8	265.9	310.6	356.3
-70°	32.1	35.9	42.6	50.0	57.2	69.9	97.2	126.4	155.5	184.6	222.1
-72.5°	28.2	31.4	34.8	38.5	44.4	50.5	56.6	62.8	79.1	101.3	121.8
-75°	24.8	26.9	29.7	32.6	35.6	38.3	41.4	46.5	51.6	56.7	61.8
-77.5°	21.7	23.3	25.1	27.0	29.1	31.5	33.9	36.1	38.2	40.3	42.4
-80°	18.6	19.6	20.8	22.2	23.6	25.2	26.8	28.6	30.0	31.3	32.7
-82.5°	15.6	16.4	17.1	17.8	18.5	19.2	19.9	21.0	22.0	22.9	23.8
-85°	12.6	13.1	13.6	14.1	14.5	15.0	15.4	15.8	16.2	16.6	17.0
-87.5°	9.9	10.4	10.8	11.2	11.4	11.5	11.7	11.8	11.9	12.1	12.2
-90°	3.9	3.3	2.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.7	9.3	9.8	10.4	10.9	10.9	10.9	10.9	10.9	10.9	10.9
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.7	1.1
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.9	2.8	2.7	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	4.7	4.4	4.1	3.8	3.5	3.3	3.0	2.7	2.3	2.2	2.2
75°	6.4	6.5	6.5	6.3	5.6	5.2	4.8	4.5	4.1	4.1	4.2
72.5°	11.6	11.5	11.1	11.0	10.3	10.0	10.1	9.9	9.6	9.8	10.2
70°	22.4	22.9	22.5	21.1	18.7	17.0	16.0	14.8	13.2	13.0	13.7
67.5°	35.2	33.6	31.6	29.0	25.0	21.7	20.0	18.4	16.9	16.6	17.0
65°	44.8	38.0	33.3	29.5	26.4	23.3	21.2	19.1	17.1	15.9	15.7
62.5°	43.2	35.5	30.4	26.9	24.0	21.4	18.8	16.3	13.9	12.3	12.4
60°	40.6	32.1	25.4	22.1	19.5	17.6	15.3	13.3	11.8	10.9	11.1
57.5°	34.5	25.3	19.4	17.8	16.0	14.0	12.5	11.7	11.2	10.9	10.9
55°	26.6	21.4	17.8	15.9	14.0	12.1	11.0	11.3	11.2	10.9	11.4
52.5°	22.0	18.9	16.4	14.6	13.7	13.2	12.9	12.9	13.2	13.5	13.9
50°	19.7	17.5	16.4	15.1	15.0	15.1	15.1	15.8	16.4	16.6	16.4
47.5°	19.8	19.0	20.0	17.4	17.8	19.5	19.6	19.8	21.2	21.6	21.4
45°	25.0	30.2	30.3	27.9	26.4	32.2	32.6	29.6	45.3	44.4	33.6
42.5°	44.6	47.6	47.8	50.4	55.9	73.4	106.0	135.4	139.9	122.9	84.3
40°	72.0	69.5	75.0	90.1	133.5	173.1	203.1	292.7	292.0	228.5	230.2
37.5°	117.2	114.5	122.9	168.5	182.5	157.8	222.2	228.5	195.7	233.2	236.5
35°	201.8	228.7	199.4	247.6	249.9	223.5	239.9	267.7	228.3	273.1	292.6
32.5°	367.8	415.4	419.9	416.2	441.0	465.2	451.0	518.6	530.7	575.6	625.0
30°	597.5	689.2	759.2	745.7	786.8	859.1	882.6	985.9	1088.9	1152.7	1309.1
27.5°	1041.3	1087.6	1231.2	1332.2	1308.8	1426.8	1660.8	1733.1	2028.5	2169.8	2373.4
25°	1648.9	1731.0	1935.6	2175.6	2278.3	2476.0	2856.1	3038.1	3425.9	3623.8	4370.3
22.5°	2401.6	2679.8	2936.6	3259.0	3721.6	4114.5	4537.1	5247.6	6401.8	8060.2	10040.0
20°	3261.1	3727.4	4115.6	4711.2	5478.0	6217.0	7310.4	10462.8	13810.9	20794.5	25539.4
17.5°	4074.2	4814.4	5356.8	6147.8	7280.5	9130.2	12896.6	19943.1	31017.5	44545.9	57459.8
15°	4708.7	5465.3	6470.7	7664.5	9394.6	13014.5	19894.2	33822.2	54936.5	75550.8	97240.6
12.5°	5244.9	6045.0	7147.0	8764.3	11351.9	17858.5	30228.2	51209.0	79042.8	109731.1	142156.2
10°	5590.0	6561.6	7881.4	10017.2	14317.4	23561.4	39642.5	67757.1	105170.5	145237.1	181276.9
7.5°	5650.7	6836.3	8508.0	11106.0	17259.7	29510.6	50840.0	83913.5	124888.8	170015.3	215404.6
5°	5675.0	7092.1	9037.7	11961.3	19281.1	33813.9	57290.5	94264.3	139761.8	186107.4	234956.9
2.5°	5739.7	7343.2	9426.4	12559.7	20447.2	36380.1	61018.2	101678.7	149678.3	200004.0	254468.4
0°	5874.4	7606.2	9510.4	12661.7	20691.5	36434.5	63168.5	105927.2	156145.8	206991.1	263800.5
-2.5°	5947.5	7572.5	9439.5	12453.7	20376.5	36440.2	61102.0	102971.4	152773.3	202381.9	259629.3
-5°	5822.1	7234.3	9002.8	11825.9	18998.0	33526.0	56996.8	95339.1	141306.0	185909.7	231944.4
-7.5°	5552.8	6758.5	8382.0	10934.6	16860.5	29009.1	49576.8	81060.9	120094.1	158870.7	194735.5
-10°	5239.2	6254.2	7585.8	9640.6	13839.8	22937.3	38791.3	63563.8	97091.2	130379.3	160646.0
-12.5°	4900.8	5691.2	6677.1	8098.4	10712.5	17319.1	29398.8	48385.7	71568.8	96680.6	124172.2
-15°	4611.6	5194.3	5941.7	7152.0	9146.1	12902.4	19734.1	32369.1	48993.0	68679.5	88944.9
-17.5°	4417.2	4850.5	5501.3	6424.6	7650.3	9881.4	14825.9	22317.0	33013.4	47747.4	61131.6
-20°	4277.7	4685.2	5201.6	5928.6	6955.1	8528.2	10947.6	16110.7	23149.3	32699.2	41784.1



REPORT NUMBER: P731602 (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°
-22.5°	4178.2	4544.8	4981.2	5566.2	6483.0	7712.3	9256.7	11762.5	16195.2	21826.8	28142.7
-25°	4080.2	4384.3	4865.7	5494.6	6124.8	7004.4	8071.8	9302.1	11663.6	14167.4	18044.3
-27.5°	3968.2	4344.4	4882.3	5469.8	6037.6	6474.1	7231.8	8080.4	9330.8	10541.3	12533.0
-30°	3886.6	4367.7	4902.8	5467.5	5905.0	6290.8	6714.5	7363.0	8172.1	9027.7	9943.3
-32.5°	3480.4	4296.1	4845.3	5351.6	5713.5	6072.0	6447.4	6897.3	7414.5	7956.5	8512.7
-35°	2936.0	3804.8	4656.8	5053.8	5420.5	5782.1	6173.5	6538.0	6902.9	7269.5	7618.7
-37.5°	2268.9	3120.2	3925.1	4618.6	5039.6	5407.9	5825.2	6199.3	6519.3	6794.8	7063.6
-40°	1982.1	2279.4	3058.0	3787.9	4400.6	4984.2	5377.5	5791.9	6148.8	6402.8	6631.1
-42.5°	1903.1	2070.6	2243.2	2803.0	3479.5	4079.2	4612.8	5131.1	5621.8	5975.0	6246.5
-45°	1834.6	1976.3	2124.2	2289.3	2454.2	2980.0	3534.7	4093.1	4670.6	5187.5	5606.0
-47.5°	1707.9	1879.5	2025.1	2161.7	2292.9	2442.4	2597.0	2819.4	3326.1	3843.4	4314.8
-50°	1551.3	1712.1	1874.4	2036.0	2157.5	2272.3	2389.8	2522.5	2670.2	2820.9	2947.9
-52.5°	1380.8	1528.7	1678.5	1821.0	1957.0	2089.2	2218.3	2335.2	2445.3	2551.4	2613.8
-55°	1242.3	1360.7	1478.8	1600.8	1724.9	1845.8	1965.7	2086.7	2203.2	2314.4	2376.6
-57.5°	1080.7	1198.7	1311.7	1404.8	1501.0	1599.3	1701.9	1806.1	1908.3	2003.4	2056.9
-60°	905.2	1007.6	1105.5	1195.9	1285.0	1372.1	1456.2	1538.8	1618.3	1687.3	1729.3
-62.5°	728.7	812.0	893.2	970.1	1044.9	1118.3	1197.0	1271.7	1341.9	1398.7	1433.6
-65°	578.2	641.8	698.2	753.5	808.1	871.0	938.0	1001.4	1060.9	1107.2	1137.8
-67.5°	409.5	464.2	515.9	565.2	610.5	655.3	703.0	749.5	794.3	829.0	853.6
-70°	258.0	292.6	326.6	363.0	402.7	442.1	481.4	517.6	550.6	575.4	594.2
-72.5°	140.6	157.2	174.6	200.4	225.2	251.5	278.5	304.1	327.9	344.6	357.0
-75°	66.8	74.2	87.6	99.6	110.2	121.8	133.5	144.3	154.1	159.2	162.2
-77.5°	45.8	49.5	52.8	55.8	58.4	61.9	65.6	69.3	73.0	75.4	77.3
-80°	34.1	35.6	37.1	38.6	40.1	41.7	43.2	44.6	45.9	47.1	48.1
-82.5°	24.7	25.5	26.2	26.9	27.5	28.6	29.7	30.7	31.6	32.5	33.3
-85°	17.3	17.8	18.2	18.6	18.9	19.5	20.1	20.7	21.3	21.5	21.6
-87.5°	12.3	13.0	13.6	14.2	14.9	15.0	15.0	15.1	15.1	15.2	15.2
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.7	1.1



REPORT NUMBER: P731602 (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°
90°	10.9	10.9	12.0	13.1	12.0	10.9	10.9	10.9	10.9	10.9	10.9
87.5°	0.6	0.0	1.1	2.2	1.1	0.0	0.6	1.1	1.7	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	3.3	4.4	3.3	2.2	2.2	2.2	2.2	2.3	2.7
75°	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.2	4.1	4.1	4.5
72.5°	10.5	10.7	10.9	10.9	10.9	10.7	10.5	10.2	9.8	9.6	9.9
70°	14.4	15.1	15.3	15.3	15.3	15.1	14.4	13.7	13.0	13.2	14.8
67.5°	17.3	17.4	17.5	17.5	17.5	17.4	17.3	17.0	16.6	16.9	18.4
65°	15.5	15.4	14.3	13.1	14.3	15.4	15.5	15.7	15.9	17.1	19.1
62.5°	12.6	13.1	13.1	13.1	13.1	13.1	12.6	12.4	12.3	13.9	16.3
60°	11.1	11.0	10.9	10.9	10.9	11.0	11.1	11.1	10.9	11.8	13.3
57.5°	10.9	10.9	11.8	13.1	11.8	10.9	10.9	10.9	10.9	11.2	11.7
55°	12.0	12.7	13.1	13.1	13.1	12.7	12.0	11.4	10.9	11.2	11.3
52.5°	13.8	13.3	13.1	13.1	13.1	13.3	13.8	13.9	13.5	13.2	12.9
50°	16.0	15.5	15.3	15.3	15.3	15.5	16.0	16.4	16.6	16.4	15.8
47.5°	20.9	20.1	19.6	19.7	19.6	20.1	20.9	21.4	21.6	21.2	19.8
45°	34.4	34.5	34.6	34.9	34.6	34.5	34.4	33.6	44.4	45.3	29.6
42.5°	81.0	70.0	60.5	61.1	60.5	70.0	81.0	84.3	122.9	139.9	135.4
40°	207.5	155.2	103.2	87.4	103.2	155.2	207.5	230.2	228.5	292.0	292.7
37.5°	213.6	217.9	256.4	345.0	256.4	217.9	213.6	236.5	233.2	195.7	228.5
35°	298.5	303.2	292.5	286.1	292.5	303.2	298.5	292.6	273.1	228.3	267.7
32.5°	634.8	663.0	659.5	642.0	659.5	663.0	634.8	625.0	575.6	530.7	518.6
30°	1367.4	1439.0	1431.3	1445.7	1431.3	1439.0	1367.4	1309.1	1152.7	1088.9	985.9
27.5°	2454.2	2542.5	2558.6	2539.8	2558.6	2542.5	2454.2	2373.4	2169.8	2028.5	1733.1
25°	4871.5	5011.3	4960.3	4893.9	4960.3	5011.3	4871.5	4370.3	3623.8	3425.9	3038.1
22.5°	12354.5	12907.7	12850.8	12384.3	12850.8	12907.7	12354.5	10040.0	8060.2	6401.8	5247.6
20°	33942.9	37595.3	39184.8	37030.6	39184.8	37595.3	33942.9	25539.4	20794.5	13810.9	10462.8
17.5°	71844.8	82973.0	90885.5	94187.2	90885.5	82973.0	71844.8	57459.8	44545.9	31017.5	19943.1
15°	117519.7	134271.1	144013.5	142704.6	144013.5	134271.1	117519.7	97240.6	75550.8	54936.5	33822.2
12.5°	168987.6	188842.1	205296.2	205644.9	205296.2	188842.1	168987.6	142156.2	109731.1	79042.8	51209.0
10°	218770.1	246326.3	268784.2	273136.2	268784.2	246326.3	218770.1	181276.9	145237.1	105170.5	67757.1
7.5°	256118.3	298361.5	326552.6	336882.3	326552.6	298361.5	256118.3	215404.6	170015.3	124888.8	83913.5
5°	293027.1	337291.3	366016.3	371112.2	366016.3	337291.3	293027.1	234956.9	186107.4	139761.8	94264.3
2.5°	317921.6	362572.3	387709.1	405144.5	387709.1	362572.3	317921.6	254468.4	200004.0	149678.3	101678.7
0°	332503.8	368884.8	410478.4	429804.0	410478.4	368884.8	332503.8	263800.5	206991.1	156145.8	105927.2
-2.5°	321478.4	362406.2	386219.2	408180.0	386219.2	362406.2	321478.4	259629.3	202381.9	152773.3	102971.4
-5°	284963.6	329474.7	350512.5	353257.5	350512.5	329474.7	284963.6	231944.4	185909.7	141306.0	95339.1
-7.5°	232848.8	274292.1	294490.6	305640.9	294490.6	274292.1	232848.8	194735.5	158870.7	120094.1	81060.9
-10°	188493.3	212679.0	226276.3	227171.6	226276.3	212679.0	188493.3	160646.0	130379.3	97091.2	63563.8
-12.5°	145526.8	161749.7	169791.6	169497.6	169791.6	161749.7	145526.8	124172.2	96680.6	71568.8	48385.7
-15°	106790.1	119393.6	126647.6	130125.9	126647.6	119393.6	106790.1	88944.9	68679.5	48993.0	32369.1
-17.5°	75376.0	85388.3	92657.0	95593.5	92657.0	85388.3	75376.0	61131.6	47747.4	33013.4	22317.0
-20°	51386.2	58248.1	62963.9	64965.8	62963.9	58248.1	51386.2	41784.1	32699.2	23149.3	16110.7



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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°	33847.5	38447.7	41681.0	41507.4	41681.0	38447.7	33847.5	28142.7	21826.8	16195.2	11762.5
-25°	21577.3	24106.7	25767.5	25902.0	25767.5	24106.7	21577.3	18044.3	14167.4	11663.6	9302.1
-27.5°	14281.3	15393.2	16063.4	16179.8	16063.4	15393.2	14281.3	12533.0	10541.3	9330.8	8080.4
-30°	10809.0	11320.7	11703.7	11687.7	11703.7	11320.7	10809.0	9943.3	9027.7	8172.1	7363.0
-32.5°	8985.9	9237.6	9405.4	9541.0	9405.4	9237.6	8985.9	8512.7	7956.5	7414.5	6897.3
-35°	7858.3	7986.5	8080.1	8165.2	8080.1	7986.5	7858.3	7618.7	7269.5	6902.9	6538.0
-37.5°	7218.2	7306.8	7365.6	7385.6	7365.6	7306.8	7218.2	7063.6	6794.8	6519.3	6199.3
-40°	6718.3	6768.3	6798.0	6815.6	6798.0	6768.3	6718.3	6631.1	6402.8	6148.8	5791.9
-42.5°	6343.2	6411.8	6447.2	6446.6	6447.2	6411.8	6343.2	6246.5	5975.0	5621.8	5131.1
-45°	5846.1	6019.5	6124.6	6169.2	6124.6	6019.5	5846.1	5606.0	5187.5	4670.6	4093.1
-47.5°	4701.3	5030.6	5261.7	5383.1	5261.7	5030.6	4701.3	4314.8	3843.4	3326.1	2819.4
-50°	3062.2	3172.3	3218.6	3199.3	3218.6	3172.3	3062.2	2947.9	2820.9	2670.2	2522.5
-52.5°	2660.1	2699.6	2723.5	2734.1	2723.5	2699.6	2660.1	2613.8	2551.4	2445.3	2335.2
-55°	2428.9	2472.8	2501.1	2515.7	2501.1	2472.8	2428.9	2376.6	2314.4	2203.2	2086.7
-57.5°	2101.5	2136.9	2158.5	2168.5	2158.5	2136.9	2101.5	2056.9	2003.4	1908.3	1806.1
-60°	1765.1	1794.2	1813.3	1823.5	1813.3	1794.2	1765.1	1729.3	1687.3	1618.3	1538.8
-62.5°	1461.9	1483.4	1502.2	1515.6	1502.2	1483.4	1461.9	1433.6	1398.7	1341.9	1271.7
-65°	1162.7	1181.7	1195.5	1203.3	1195.5	1181.7	1162.7	1137.8	1107.2	1060.9	1001.4
-67.5°	873.8	889.4	902.3	910.6	902.3	889.4	873.8	853.6	829.0	794.3	749.5
-70°	609.4	620.8	632.0	639.9	632.0	620.8	609.4	594.2	575.4	550.6	517.6
-72.5°	366.9	374.1	377.5	377.8	377.5	374.1	366.9	357.0	344.6	327.9	304.1
-75°	163.8	164.2	167.6	170.3	167.6	164.2	163.8	162.2	159.2	154.1	144.3
-77.5°	78.9	80.2	81.7	83.0	81.7	80.2	78.9	77.3	75.4	73.0	69.3
-80°	49.1	49.9	50.1	50.2	50.1	49.9	49.1	48.1	47.1	45.9	44.6
-82.5°	34.0	34.7	34.9	34.9	34.9	34.7	34.0	33.3	32.5	31.6	30.7
-85°	21.7	21.8	21.8	21.8	21.8	21.8	21.7	21.6	21.5	21.3	20.7
-87.5°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.2	15.2	15.1	15.1
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	10.9	10.9	10.9	10.4	9.8	9.3	8.7	8.7	8.7	8.7	8.7
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.5	2.6	2.5
80°	2.2	2.2	2.2	2.5	2.7	2.8	2.9	3.2	3.5	3.8	4.0
77.5°	3.0	3.3	3.5	3.8	4.1	4.4	4.7	5.0	5.2	5.5	5.5
75°	4.8	5.2	5.6	6.3	6.5	6.5	6.4	6.2	6.2	6.4	6.4
72.5°	10.1	10.0	10.3	11.0	11.1	11.5	11.6	10.9	9.6	7.9	6.6
70°	16.0	17.0	18.7	21.1	22.5	22.9	22.4	20.6	17.7	15.5	12.4
67.5°	20.0	21.7	25.0	29.0	31.6	33.6	35.2	35.6	34.0	30.6	22.0
65°	21.2	23.3	26.4	29.5	33.3	38.0	44.8	48.2	48.4	46.1	35.6
62.5°	18.8	21.4	24.0	26.9	30.4	35.5	43.2	50.3	56.9	58.7	47.7
60°	15.3	17.6	19.5	22.1	25.4	32.1	40.6	48.9	56.8	57.1	53.6
57.5°	12.5	14.0	16.0	17.8	19.4	25.3	34.5	46.0	55.4	53.7	51.6
55°	11.0	12.1	14.0	15.9	17.8	21.4	26.6	35.1	45.4	48.9	47.1
52.5°	12.9	13.2	13.7	14.6	16.4	18.9	22.0	27.9	33.0	37.9	40.9
50°	15.1	15.1	15.0	15.1	16.4	17.5	19.7	22.9	26.4	30.3	33.5
47.5°	19.6	19.5	17.8	17.4	20.0	19.0	19.8	21.3	24.7	25.7	29.0
45°	32.6	32.2	26.4	27.9	30.3	30.2	25.0	27.1	27.5	27.7	26.1
42.5°	106.0	73.4	55.9	50.4	47.8	47.6	44.6	41.5	38.5	34.2	34.4
40°	203.1	173.1	133.5	90.1	75.0	69.5	72.0	62.8	56.5	49.1	51.1
37.5°	222.2	157.8	182.5	168.5	122.9	114.5	117.2	100.4	78.4	91.6	89.4
35°	239.9	223.5	249.9	247.6	199.4	228.7	201.8	163.1	144.0	164.5	148.2
32.5°	451.0	465.2	441.0	416.2	419.9	415.4	367.8	275.9	278.6	277.2	243.8
30°	882.6	859.1	786.8	745.7	759.2	689.2	597.5	580.9	511.4	419.6	366.0
27.5°	1660.8	1426.8	1308.8	1332.2	1231.2	1087.6	1041.3	1010.9	825.9	654.3	522.1
25°	2856.1	2476.0	2278.3	2175.6	1935.6	1731.0	1648.9	1536.2	1297.9	957.4	726.5
22.5°	4537.1	4114.5	3721.6	3259.0	2936.6	2679.8	2401.6	2133.8	1851.7	1394.6	1036.5
20°	7310.4	6217.0	5478.0	4711.2	4115.6	3727.4	3261.1	2803.2	2414.7	1946.0	1393.2
17.5°	12896.6	9130.2	7280.5	6147.8	5356.8	4814.4	4074.2	3399.4	2954.4	2533.4	1775.1
15°	19894.2	13014.5	9394.6	7664.5	6470.7	5465.3	4708.7	3931.8	3472.7	3070.6	2235.4
12.5°	30228.2	17858.5	11351.9	8764.3	7147.0	6045.0	5244.9	4488.0	3892.4	3348.0	2563.8
10°	39642.5	23561.4	14317.4	10017.2	7881.4	6561.6	5590.0	4701.7	4006.6	3494.6	2837.5
7.5°	50840.0	29510.6	17259.7	11106.0	8508.0	6836.3	5650.7	4730.8	4074.3	3598.7	3058.4
5°	57290.5	33813.9	19281.1	11961.3	9037.7	7092.1	5675.0	4679.0	4101.3	3666.4	3228.8
2.5°	61018.2	36380.1	20447.2	12559.7	9426.4	7343.2	5739.7	4686.7	4134.3	3711.2	3294.4
0°	63168.5	36434.5	20691.5	12661.7	9510.4	7606.2	5874.4	4765.0	4162.3	3738.7	3317.2
-2.5°	61102.0	36440.2	20376.5	12453.7	9439.5	7572.5	5947.5	4849.8	4229.3	3754.5	3308.3
-5°	56996.8	33526.0	18998.0	11825.9	9002.8	7234.3	5822.1	4817.2	4212.8	3731.6	3261.0
-7.5°	49576.8	29009.1	16860.5	10934.6	8382.0	6758.5	5552.8	4649.0	4055.0	3603.6	3112.4
-10°	38791.3	22937.3	13839.8	9640.6	7585.8	6254.2	5239.2	4435.0	3877.2	3461.4	2936.1
-12.5°	29398.8	17319.1	10712.5	8098.4	6677.1	5691.2	4900.8	4204.2	3681.9	3308.0	2737.3
-15°	19734.1	12902.4	9146.1	7152.0	5941.7	5194.3	4611.6	4058.9	3611.1	3191.1	2520.6
-17.5°	14825.9	9881.4	7650.3	6424.6	5501.3	4850.5	4417.2	3986.2	3572.8	3098.1	2319.6
-20°	10947.6	8528.2	6955.1	5928.6	5201.6	4685.2	4277.7	3922.0	3511.6	2870.5	2075.5



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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°	9256.7	7712.3	6483.0	5566.2	4981.2	4544.8	4178.2	3839.7	3423.4	2570.0	1805.8
-25°	8071.8	7004.4	6124.8	5494.6	4865.7	4384.3	4080.2	3729.3	3084.4	2232.1	1553.6
-27.5°	7231.8	6474.1	6037.6	5469.8	4882.3	4344.4	3968.2	3555.7	2699.1	1920.7	1528.0
-30°	6714.5	6290.8	5905.0	5467.5	4902.8	4367.7	3886.6	3104.9	2305.8	1656.1	1509.2
-32.5°	6447.4	6072.0	5713.5	5351.6	4845.3	4296.1	3480.4	2621.7	1863.8	1625.3	1476.2
-35°	6173.5	5782.1	5420.5	5053.8	4656.8	3804.8	2936.0	2106.2	1736.4	1580.4	1432.0
-37.5°	5825.2	5407.9	5039.6	4618.6	3925.1	3120.2	2268.9	1865.3	1683.2	1522.1	1362.3
-40°	5377.5	4984.2	4400.6	3787.9	3058.0	2279.4	1982.1	1801.1	1630.3	1444.9	1277.4
-42.5°	4612.8	4079.2	3479.5	2803.0	2243.2	2070.6	1903.1	1740.8	1560.2	1364.2	1189.1
-45°	3534.7	2980.0	2454.2	2289.3	2124.2	1976.3	1834.6	1652.9	1460.8	1273.6	1098.1
-47.5°	2597.0	2442.4	2292.9	2161.7	2025.1	1879.5	1707.9	1533.1	1346.4	1172.2	1023.8
-50°	2389.8	2272.3	2157.5	2036.0	1874.4	1712.1	1551.3	1390.2	1226.8	1081.6	941.9
-52.5°	2218.3	2089.2	1957.0	1821.0	1678.5	1528.7	1380.8	1253.4	1118.9	980.8	851.3
-55°	1965.7	1845.8	1724.9	1600.8	1478.8	1360.7	1242.3	1120.0	994.1	868.0	748.9
-57.5°	1701.9	1599.3	1501.0	1404.8	1311.7	1198.7	1080.7	966.6	856.4	743.4	639.1
-60°	1456.2	1372.1	1285.0	1195.9	1105.5	1007.6	905.2	805.0	707.6	624.1	541.4
-62.5°	1197.0	1118.3	1044.9	970.1	893.2	812.0	728.7	655.2	584.1	512.3	433.4
-65°	938.0	871.0	808.1	753.5	698.2	641.8	578.2	513.4	449.4	387.4	318.1
-67.5°	703.0	655.3	610.5	565.2	515.9	464.2	409.5	356.3	310.6	265.9	211.8
-70°	481.4	442.1	402.7	363.0	326.6	292.6	258.0	222.1	184.6	155.5	126.4
-72.5°	278.5	251.5	225.2	200.4	174.6	157.2	140.6	121.8	101.3	79.1	62.8
-75°	133.5	121.8	110.2	99.6	87.6	74.2	66.8	61.8	56.7	51.6	46.5
-77.5°	65.6	61.9	58.4	55.8	52.8	49.5	45.8	42.4	40.3	38.2	36.1
-80°	43.2	41.7	40.1	38.6	37.1	35.6	34.1	32.7	31.3	30.0	28.6
-82.5°	29.7	28.6	27.5	26.9	26.2	25.5	24.7	23.8	22.9	22.0	21.0
-85°	20.1	19.5	18.9	18.6	18.2	17.8	17.3	17.0	16.6	16.2	15.8
-87.5°	15.0	15.0	14.9	14.2	13.6	13.0	12.3	12.2	12.1	11.9	11.8
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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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°	8.7	8.7	8.7	8.7	8.2	7.7	7.1	6.6	6.6	6.6	6.6
87.5°	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	4.4	4.4	4.4
85°	2.4	2.5	2.6	2.5	2.9	3.3	3.9	4.4	4.4	4.4	4.4
82.5°	2.8	3.3	3.6	3.8	3.8	3.9	4.1	4.4	4.5	4.4	4.4
80°	3.9	4.0	4.1	4.4	4.4	4.4	4.3	4.5	4.7	4.8	4.7
77.5°	4.9	4.6	4.4	4.4	4.4	4.4	4.4	4.5	5.0	5.2	5.3
75°	5.9	5.1	4.6	4.5	4.5	4.4	4.4	4.6	5.1	5.6	5.8
72.5°	6.3	5.8	5.1	4.7	5.0	5.0	4.8	4.6	5.2	5.7	6.2
70°	9.4	7.1	6.2	5.7	5.6	5.7	5.6	5.3	5.2	5.7	6.3
67.5°	14.3	10.9	8.4	6.8	6.3	6.2	6.5	6.1	5.8	5.8	6.3
65°	25.6	17.1	10.7	8.5	7.1	6.5	6.6	6.7	6.3	6.1	6.4
62.5°	36.5	25.5	17.4	11.3	8.0	6.9	6.6	6.9	6.7	6.4	6.5
60°	47.7	35.6	24.8	17.5	11.0	7.1	6.8	7.2	7.1	6.6	6.6
57.5°	48.1	44.2	34.9	24.5	16.3	9.6	7.1	7.5	7.5	7.0	6.6
55°	45.9	43.6	41.7	33.3	22.4	14.0	8.9	8.0	8.0	7.5	6.7
52.5°	40.7	42.9	43.3	39.6	30.0	19.0	12.9	8.6	8.6	8.1	7.3
50°	35.3	41.1	44.4	42.6	36.6	26.2	16.6	11.5	9.3	8.7	7.9
47.5°	33.1	39.9	44.5	45.6	40.6	33.1	22.2	14.5	10.0	9.5	8.5
45°	33.5	39.0	44.9	47.2	45.1	38.0	28.3	17.1	12.3	10.1	9.0
42.5°	36.1	41.0	44.9	49.8	48.1	42.1	34.2	22.1	14.4	10.8	9.6
40°	49.0	45.7	46.7	52.1	51.6	46.0	38.0	27.2	16.3	11.8	10.2
37.5°	66.4	58.2	52.8	59.5	56.9	50.0	41.5	32.0	18.8	13.3	10.8
35°	113.3	78.0	77.5	77.8	67.6	54.7	44.7	36.0	23.2	14.6	11.3
32.5°	172.7	134.5	131.0	109.0	82.4	60.0	48.7	39.6	27.6	15.8	11.8
30°	287.8	258.6	204.8	149.3	105.5	74.1	54.4	43.3	32.0	16.9	12.4
27.5°	476.8	411.8	305.0	217.4	144.4	92.2	62.4	47.1	36.4	18.8	13.3
25°	672.2	589.3	453.5	304.7	189.3	128.7	71.5	51.2	39.9	22.3	14.2
22.5°	861.5	773.9	621.3	404.0	255.0	175.7	91.3	58.3	43.1	25.6	14.9
20°	1045.8	962.9	792.9	494.4	332.1	233.2	125.6	66.0	46.2	28.8	15.5
17.5°	1249.2	1108.4	889.4	600.5	408.6	291.2	165.2	74.1	49.2	31.8	16.0
15°	1499.2	1194.5	982.3	694.7	476.8	349.1	208.7	82.3	52.1	34.5	16.7
12.5°	1722.9	1274.0	1073.9	777.3	537.1	406.3	254.8	90.6	54.9	37.7	17.6
10°	1933.1	1347.2	1162.3	848.6	590.3	462.1	301.9	99.9	59.4	41.2	18.5
7.5°	2124.9	1414.1	1245.4	908.9	633.9	500.6	331.0	111.3	64.0	44.5	19.4
5°	2281.5	1467.3	1303.4	950.0	655.3	519.1	352.1	122.3	68.4	47.5	20.3
2.5°	2355.1	1503.8	1339.1	980.8	673.4	533.5	367.7	132.6	72.6	50.2	21.1
0°	2393.4	1535.2	1362.7	1002.4	687.9	543.8	377.8	141.9	76.4	52.4	21.8
-2.5°	2399.0	1542.2	1368.7	1024.3	710.8	558.7	391.2	167.2	96.0	64.4	28.6
-5°	2368.9	1543.1	1364.4	1036.7	729.2	569.4	400.0	190.8	114.8	75.8	35.2
-7.5°	2266.2	1519.8	1341.0	1037.7	742.3	576.0	405.2	212.5	132.5	86.1	41.3
-10°	2121.2	1479.1	1295.9	1020.1	754.7	585.3	409.6	232.1	148.6	95.3	46.8
-12.5°	1943.8	1433.2	1249.5	998.8	763.9	598.0	423.3	251.9	163.0	103.1	51.6
-15°	1735.4	1382.5	1204.7	975.5	769.4	608.2	432.9	269.3	176.1	110.0	55.4
-17.5°	1506.3	1327.3	1163.8	951.9	771.3	616.4	438.6	282.7	187.0	116.1	59.1
-20°	1455.4	1294.5	1127.8	929.6	770.0	623.1	440.3	291.6	195.6	120.2	62.2



REPORT NUMBER: P731602 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1436.0	1279.7	1104.5	919.4	768.0	628.5	438.1	295.6	201.7	122.1	63.9
-25°	1415.8	1261.8	1078.3	905.0	767.7	621.1	436.8	294.4	205.1	121.8	64.2
-27.5°	1392.1	1236.7	1045.5	882.2	752.2	609.5	434.1	297.2	205.3	119.0	63.0
-30°	1365.2	1194.4	1012.3	853.8	731.0	578.5	424.3	296.7	201.6	116.3	60.1
-32.5°	1327.1	1145.3	971.1	826.1	696.1	544.5	402.4	292.4	194.6	112.9	58.1
-35°	1262.6	1088.8	921.2	791.8	655.3	512.5	379.1	284.3	184.2	107.1	55.6
-37.5°	1190.9	1024.6	877.4	748.8	612.8	477.4	361.2	266.2	170.3	98.9	51.8
-40°	1115.4	961.9	829.0	700.7	570.4	439.4	339.5	243.7	157.4	88.4	46.6
-42.5°	1035.6	903.2	775.6	651.1	525.7	411.0	313.7	217.8	140.8	79.3	40.1
-45°	965.2	839.3	717.7	597.5	479.9	378.7	281.2	189.8	121.5	70.3	34.9
-47.5°	889.6	771.9	654.7	539.3	438.8	341.0	244.9	165.2	100.0	59.6	32.5
-50°	812.5	699.0	586.5	484.6	391.7	296.2	207.2	137.8	85.1	46.7	29.8
-52.5°	730.7	619.9	520.1	428.5	336.5	247.3	172.9	109.0	68.9	39.7	26.6
-55°	638.4	543.1	454.1	363.8	276.1	202.1	135.5	88.9	51.5	35.3	23.3
-57.5°	550.9	466.2	377.6	292.2	218.9	155.2	105.3	67.3	43.1	30.6	22.1
-60°	459.7	375.3	293.7	224.9	162.9	114.7	79.0	49.7	37.2	26.3	20.7
-62.5°	355.6	281.6	217.8	158.8	116.0	82.5	54.8	42.6	31.0	24.5	19.3
-65°	256.0	196.8	142.8	109.6	78.3	55.3	46.0	35.0	27.9	22.7	18.0
-67.5°	159.4	125.8	94.6	66.1	53.6	45.3	36.8	30.7	25.5	20.7	16.9
-70°	97.2	69.9	57.2	50.0	42.6	35.9	32.1	27.8	23.0	19.2	15.8
-72.5°	56.6	50.5	44.4	38.5	34.8	31.4	28.2	24.8	21.1	17.7	14.6
-75°	41.4	38.3	35.6	32.6	29.7	26.9	24.8	22.4	19.2	16.2	13.3
-77.5°	33.9	31.5	29.1	27.0	25.1	23.3	21.7	20.0	17.1	14.5	12.0
-80°	26.8	25.2	23.6	22.2	20.8	19.6	18.6	17.4	15.0	12.7	10.7
-82.5°	19.9	19.2	18.5	17.8	17.1	16.4	15.6	14.8	12.8	11.0	9.4
-85°	15.4	15.0	14.5	14.1	13.6	13.1	12.6	12.1	10.7	9.5	8.5
-87.5°	11.7	11.5	11.4	11.2	10.8	10.4	9.9	9.3	8.7	8.1	7.6
-90°	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	4.4	4.4	4.4



REPORT NUMBER: P731602 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.6	6.6	6.6	6.6	6.6	5.5	4.4
87.5°	4.4	4.5	4.6	4.6	4.6	4.5	4.4
85°	4.4	4.6	4.8	4.8	4.8	4.6	4.4
82.5°	4.4	4.8	5.0	5.0	5.0	4.7	4.4
80°	4.5	4.9	5.2	5.3	5.2	4.8	4.4
77.5°	5.1	5.1	5.4	5.5	5.4	4.9	4.4
75°	5.6	5.5	5.6	5.7	5.5	5.0	4.4
72.5°	6.2	5.8	5.8	6.0	5.7	5.1	4.4
70°	6.6	6.2	6.0	6.2	5.9	5.2	4.4
67.5°	6.6	6.5	6.2	6.2	6.1	5.2	4.4
65°	6.6	6.6	6.3	6.3	6.3	5.3	4.4
62.5°	6.6	6.6	6.5	6.4	6.4	5.4	4.4
60°	6.6	6.6	6.6	6.4	6.6	5.5	4.4
57.5°	6.7	6.6	6.6	6.5	6.6	5.6	4.4
55°	6.8	6.6	6.6	6.5	6.6	5.7	4.4
52.5°	7.0	6.6	6.6	6.6	6.6	5.7	4.4
50°	7.2	6.8	6.6	6.6	6.6	5.8	4.4
47.5°	7.5	7.0	6.6	6.6	6.6	5.9	4.4
45°	8.0	7.3	6.6	6.6	6.6	6.0	4.4
42.5°	8.5	7.5	6.6	6.6	6.6	6.0	4.4
40°	8.9	7.8	6.7	6.6	6.6	6.1	4.4
37.5°	9.4	8.1	6.9	6.6	6.6	6.1	4.4
35°	9.9	8.4	7.1	6.6	6.6	6.2	4.4
32.5°	10.3	8.8	7.3	6.6	6.6	6.3	4.4
30°	10.7	9.1	7.6	6.6	6.6	6.3	4.4
27.5°	11.1	9.5	7.7	6.6	6.6	6.4	4.4
25°	11.5	9.8	7.9	6.6	6.6	6.4	4.4
22.5°	11.9	10.1	8.1	6.6	6.6	6.4	4.4
20°	12.2	10.2	8.2	6.6	6.6	6.5	4.4
17.5°	12.6	10.4	8.3	6.6	6.6	6.5	4.4
15°	13.0	10.5	8.4	6.6	6.6	6.5	4.4
12.5°	13.4	10.6	8.5	6.6	6.6	6.5	4.4
10°	13.8	10.7	8.6	6.6	6.6	6.6	4.4
7.5°	14.2	10.8	8.6	6.6	6.6	6.6	4.4
5°	14.6	10.9	8.7	6.6	6.6	6.6	4.4
2.5°	15.0	10.9	8.7	6.6	6.6	6.6	4.4
0°	15.3	10.9	8.7	6.6	6.6	6.6	4.4
-2.5°	17.9	11.9	9.1	6.9	6.7	6.6	4.4
-5°	20.4	12.8	9.4	7.2	6.8	6.6	4.4
-7.5°	22.7	13.7	9.8	7.4	6.9	6.6	4.4
-10°	24.8	14.5	10.1	7.7	7.0	6.6	4.4
-12.5°	26.6	15.2	10.4	8.0	7.0	6.6	4.4
-15°	28.1	15.8	10.7	8.2	7.1	6.5	4.4
-17.5°	29.3	16.3	11.0	8.4	7.2	6.5	4.4
-20°	30.4	16.7	11.2	8.6	7.2	6.5	4.4



REPORT NUMBER: P731602 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	31.4	16.9	11.4	8.8	7.3	6.5	4.4
-25°	31.7	17.2	11.6	8.9	7.3	6.4	4.4
-27.5°	31.2	17.2	11.8	9.1	7.4	6.4	4.4
-30°	30.0	17.1	11.9	9.2	7.4	6.4	4.4
-32.5°	27.8	16.8	12.0	9.2	7.4	6.3	4.4
-35°	26.7	16.3	12.1	9.3	7.4	6.3	4.4
-37.5°	26.1	15.9	12.1	9.3	7.4	6.3	4.4
-40°	25.1	15.8	12.0	9.3	7.3	6.3	4.4
-42.5°	23.8	15.7	11.9	9.2	7.3	6.2	4.4
-45°	22.1	15.5	11.8	9.1	7.2	6.2	4.4
-47.5°	20.2	15.2	11.7	9.0	7.1	6.1	4.4
-50°	19.4	14.8	11.5	8.9	7.1	6.1	4.4
-52.5°	18.8	14.3	11.2	8.7	7.0	6.1	4.4
-55°	18.0	13.9	10.9	8.5	6.9	6.0	4.4
-57.5°	17.1	13.5	10.6	8.3	6.7	6.0	4.4
-60°	16.1	13.0	10.3	8.1	6.6	6.0	4.4
-62.5°	15.4	12.4	9.9	7.9	6.6	5.9	4.4
-65°	14.6	11.9	9.5	7.6	6.6	5.9	4.4
-67.5°	13.8	11.2	9.1	7.4	6.6	5.9	4.4
-70°	12.9	10.6	8.7	7.1	6.6	5.8	4.4
-72.5°	11.9	9.9	8.2	7.0	6.6	5.8	4.4
-75°	10.9	9.1	7.7	7.0	6.6	5.8	4.4
-77.5°	9.9	8.4	7.5	6.9	6.6	5.7	4.4
-80°	8.8	7.9	7.3	6.9	6.6	5.7	4.4
-82.5°	8.2	7.6	7.1	6.8	6.6	5.6	4.4
-85°	7.7	7.3	7.0	6.7	6.6	5.6	4.4
-87.5°	7.1	6.9	6.8	6.7	6.6	5.5	4.4
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4

(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

