

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: P731706 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-5S-CV1**

Issue Date: 11/16/2023

Test Information

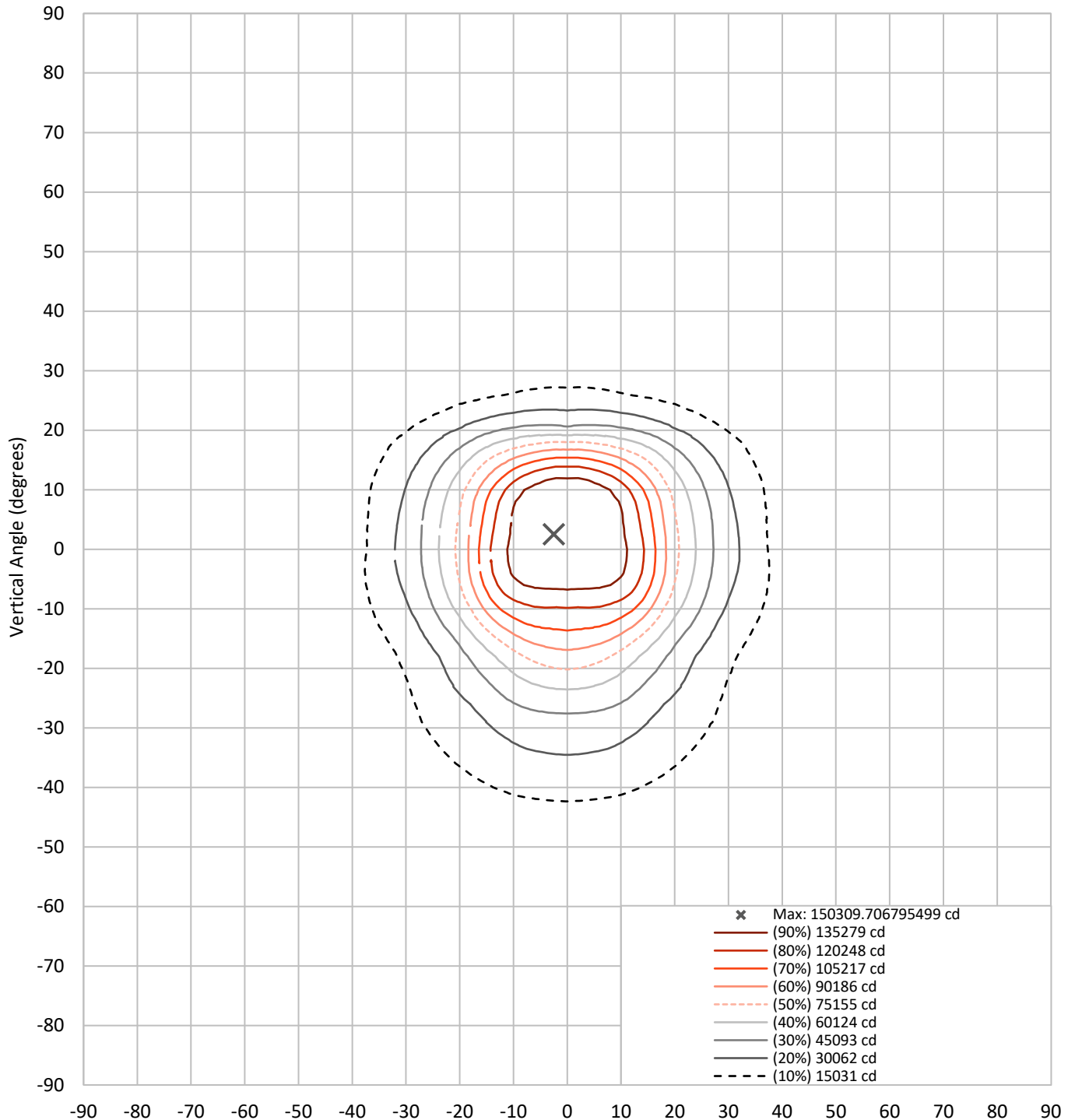
Test Method: LM-79-08
Report Number: P731706 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-5S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	80248 lumens	Max Intensity:	150309.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	115.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	44217.1 lumens	Field Lumens:	74629.1 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%
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





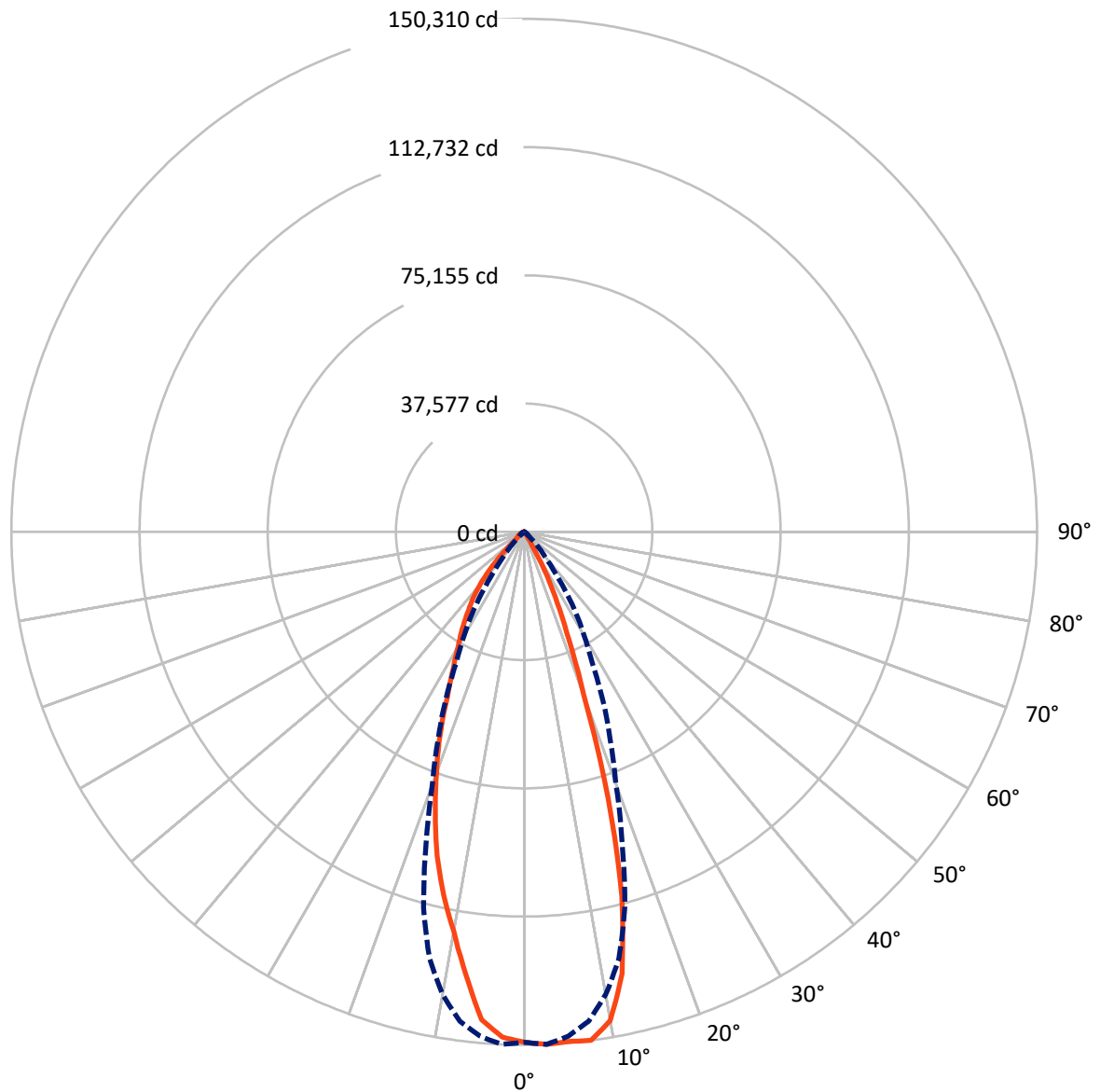
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Lumen Table

90																
80	0.1	0.3		0.6		0.6		0.4		0.6		0.6		0.3		0.1
70																
60	0.1	0.1	0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	0.1	0.1
50		0.1	0.3	0.8	0.9	0.4	0.3	0.3	0.3	0.3	0.4	0.9	0.8	0.3	0.1	
40	0.2	0.1	0.3	0.6	0.8	1.1	1.3	1.2	1.2	1.3	1.1	0.8	0.6	0.3	0.1	0.2
30		0.2	0.8	2.4	5.2	11.3	26.7	38.2	38.2	26.7	11.3	5.2	2.4	0.8	0.2	
20	0.2	0.4	4.3	16.0	87.5	268.7	540.6	727.3	727.3	540.6	268.7	87.5	16.0	4.3	0.4	0.2
10		1.2	10.5	57.8	360.6	1026.5	2128.0	3064.7	3064.7	2128.0	1026.5	360.6	57.8	10.5	1.2	
0	0.3	2.0	14.1	91.2	518.3	1476.7	3190.7	4412.2	4412.2	3190.7	1476.7	518.3	91.2	14.1	2.0	0.3
-10		2.4	15.1	95.4	522.0	1439.6	3144.3	4167.7	4167.7	3144.3	1439.6	522.0	95.4	15.1	2.4	
-20	0.4	2.9	14.6	64.1	343.2	949.6	2020.0	2873.3	2873.3	2020.0	949.6	343.2	64.1	14.6	2.9	0.4
-30		2.8	13.8	35.7	202.2	581.6	1130.4	1598.7	1598.7	1130.4	581.6	202.2	35.7	13.8	2.8	
-40	0.4	2.3	11.2	26.5	81.3	320.6	625.6	856.1	856.1	625.6	320.6	81.3	26.5	11.2	2.3	0.4
-50		1.4	7.3	20.8	40.0	74.6	176.7	274.7	274.7	176.7	74.6	40.0	20.8	7.3	1.4	
-60	0.2	0.8	3.6	11.3	24.5	39.9	54.5	63.1	63.1	54.5	39.9	24.5	11.3	3.6	0.8	0.2
-70		0.3	1.3	3.8	8.4	14.3	21.1	24.9	24.9	21.1	14.3	8.4	3.8	1.3	0.3	
-80																
-90	0.2	0.8		2.8		6.7		9.0		6.7		2.8		0.8		0.2

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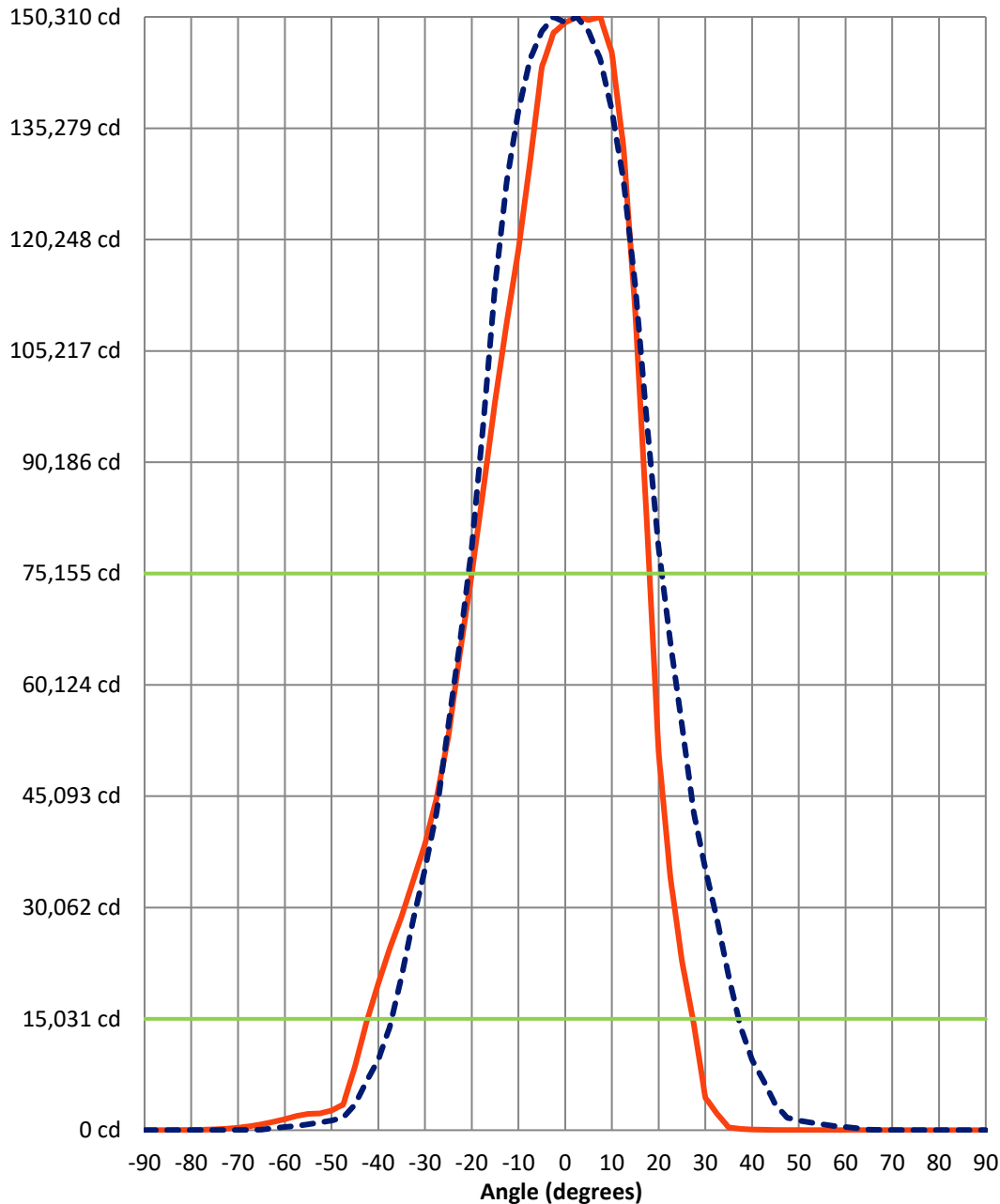
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.4°
 V Angle: 38°
 Lumens: 44217.1
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 74629.1
 Efficiency: 93.0%

Spill:
 Lumens: 5618.8
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 2.5-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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.9	5.4	4.8	4.3
85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.9	5.4	4.8	4.3
82.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.9	5.4	5.1	4.9
80°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.0	5.8	5.7	5.8
77.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.1	6.3	6.4
75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.4	6.4	6.4
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
67.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
62.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
60°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
57.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.6
55°	6.4	6.4	6.4	6.4	6.4	6.4	6.6	6.5	6.4	6.5	7.0
52.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.8	6.6	6.4	7.0	7.4
50°	6.4	6.4	6.4	6.4	6.4	6.6	7.0	6.7	6.6	7.5	8.5
47.5°	6.4	6.4	6.4	6.4	6.4	6.9	7.2	6.8	7.2	8.2	9.6
45°	6.4	6.4	6.4	6.4	6.4	7.1	7.3	6.9	7.8	9.0	10.6
42.5°	6.4	6.4	6.4	6.4	6.4	7.4	7.4	7.3	8.5	9.7	11.3
40°	6.4	6.4	6.4	6.4	6.5	7.6	7.6	7.9	9.1	10.3	11.9
37.5°	6.4	6.4	6.4	6.5	6.7	7.9	7.7	8.4	9.8	11.1	12.5
35°	6.4	6.4	6.4	6.5	7.0	8.1	7.8	9.0	10.4	11.8	13.4
32.5°	6.4	6.4	6.4	6.6	7.2	8.2	8.0	9.5	10.9	12.7	15.1
30°	6.4	6.4	6.4	6.7	7.4	8.3	8.4	10.0	11.5	13.6	17.2
27.5°	6.4	6.4	6.4	6.8	7.7	8.4	8.8	10.4	12.1	14.5	19.6
25°	6.4	6.4	6.4	7.0	7.9	8.5	9.2	10.9	12.9	16.1	22.3
22.5°	6.4	6.4	6.4	7.1	8.1	8.6	9.5	11.3	13.6	18.1	27.4
20°	6.4	6.4	6.4	7.3	8.2	8.6	9.9	11.7	14.4	20.3	32.9
17.5°	6.4	6.4	6.4	7.4	8.4	8.6	10.1	12.1	15.1	22.5	38.6
15°	6.4	6.4	6.4	7.6	8.4	8.6	10.3	12.4	15.8	24.8	44.5
12.5°	6.4	6.4	6.4	7.8	8.5	8.6	10.4	12.5	16.5	27.1	50.5
10°	6.4	6.4	6.4	7.9	8.6	8.6	10.5	12.7	17.2	29.6	56.4
7.5°	6.4	6.4	6.4	8.1	8.6	8.6	10.6	12.8	17.8	32.1	61.8
5°	6.4	6.4	6.4	8.3	8.6	8.6	10.7	12.8	18.4	34.5	66.9
2.5°	6.4	6.4	6.4	8.4	8.6	8.6	10.7	12.9	18.9	36.8	71.3
0°	6.4	6.4	6.4	8.6	8.6	8.6	10.7	12.9	19.3	38.7	75.2
-2.5°	6.4	6.4	6.5	8.6	8.6	8.8	11.3	15.2	25.9	50.5	93.8
-5°	6.4	6.4	6.6	8.6	8.6	9.1	11.8	17.5	32.1	61.7	111.3
-7.5°	6.4	6.4	6.7	8.6	8.6	9.3	12.3	19.5	37.9	71.9	127.3
-10°	6.4	6.4	6.8	8.5	8.6	9.5	12.7	21.3	43.0	81.1	141.4
-12.5°	6.4	6.4	6.9	8.5	8.6	9.6	13.0	22.8	47.2	89.0	154.9
-15°	6.4	6.4	6.9	8.5	8.6	9.7	13.3	23.9	51.1	96.7	166.4
-17.5°	6.4	6.4	7.0	8.4	8.6	9.8	13.5	25.7	54.8	102.6	174.8
-20°	6.4	6.4	7.1	8.4	8.6	9.9	14.1	27.8	57.4	106.5	179.7



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.4	6.4	7.1	8.4	8.6	9.9	15.2	29.3	58.7	108.2	180.9
-25°	6.4	6.4	7.2	8.4	8.6	10.1	15.9	30.1	58.6	107.5	178.1
-27.5°	6.4	6.4	7.2	8.4	8.6	10.3	16.4	30.2	57.0	105.5	176.9
-30°	6.4	6.4	7.2	8.4	8.6	10.3	16.4	29.5	56.0	103.5	172.7
-32.5°	6.4	6.4	7.2	8.4	8.7	10.2	16.0	29.2	55.1	99.5	165.1
-35°	6.4	6.4	7.2	8.4	8.8	10.0	15.7	28.8	53.1	93.3	154.2
-37.5°	6.4	6.4	7.2	8.5	8.9	9.7	15.4	27.7	49.9	85.0	140.0
-40°	6.4	6.4	7.2	8.5	8.9	9.8	14.8	25.9	45.5	78.8	126.2
-42.5°	6.4	6.4	7.1	8.6	9.0	9.9	14.0	23.5	42.0	71.5	110.7
-45°	6.4	6.4	7.0	8.6	9.0	9.9	12.9	21.2	38.4	63.1	94.6
-47.5°	6.4	6.4	7.0	8.6	9.0	9.8	11.5	19.5	34.0	53.9	84.2
-50°	6.4	6.4	6.9	8.4	8.9	9.8	11.2	17.5	28.5	47.5	72.8
-52.5°	6.4	6.4	6.8	8.2	8.9	9.7	11.0	15.1	24.6	40.4	60.9
-55°	6.4	6.4	6.7	8.1	8.8	9.5	10.8	12.6	21.2	32.6	51.7
-57.5°	6.4	6.4	6.5	7.9	8.7	9.4	10.6	12.2	17.6	27.3	41.8
-60°	6.4	6.4	6.4	7.7	8.6	9.2	10.2	11.8	14.3	22.5	32.7
-62.5°	6.4	6.4	6.4	7.5	8.4	9.0	9.9	11.3	13.5	17.4	26.6
-65°	6.4	6.4	6.4	7.3	8.2	8.7	9.5	10.7	12.6	15.2	20.0
-67.5°	6.4	6.4	6.4	7.1	8.0	8.5	9.1	10.2	11.5	13.7	16.6
-70°	6.4	6.4	6.4	6.9	7.8	8.4	8.7	9.7	10.9	12.1	14.5
-72.5°	6.4	6.4	6.4	6.8	7.6	8.3	8.6	9.1	10.2	11.4	12.5
-75°	6.4	6.4	6.4	6.8	7.5	8.1	8.6	8.9	9.6	10.6	11.7
-77.5°	6.4	6.4	6.4	6.7	7.3	8.0	8.5	8.8	9.3	9.9	10.8
-80°	6.4	6.4	6.4	6.7	7.1	7.8	8.6	8.7	9.0	9.4	10.0
-82.5°	6.4	6.4	6.4	6.6	7.0	7.5	8.1	8.4	8.6	8.8	9.1
-85°	6.4	6.4	6.4	6.5	6.8	7.1	7.5	7.7	7.9	8.1	8.3
-87.5°	6.4	6.4	6.4	6.5	6.6	6.8	7.0	7.1	7.2	7.2	7.3
-90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.9	5.4	4.8	4.3



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	4.9	4.8	4.6	4.3	4.3	4.3	4.3	4.5	4.6	4.6	4.5
80°	5.7	5.4	4.9	4.4	4.5	4.8	5.3	5.9	5.9	5.5	5.2
77.5°	6.0	5.5	5.0	4.4	4.7	5.4	6.0	6.3	6.3	6.2	6.3
75°	6.0	5.5	5.3	5.3	5.7	6.2	6.4	6.8	7.1	7.2	7.0
72.5°	6.2	6.0	6.0	6.4	6.5	6.8	7.3	8.1	8.6	8.5	8.4
70°	6.3	6.4	6.4	6.4	6.5	7.3	8.4	9.5	10.2	10.6	11.7
67.5°	6.4	6.4	6.4	6.5	7.3	8.5	9.7	12.2	15.4	16.7	17.8
65°	6.4	6.4	6.7	7.4	8.5	10.2	12.9	16.6	22.9	25.9	27.3
62.5°	6.4	6.6	7.1	8.3	9.6	11.8	17.3	24.4	32.4	36.8	35.9
60°	6.5	6.7	8.1	9.7	11.4	16.2	23.4	31.6	41.8	49.1	44.1
57.5°	6.6	7.6	9.7	11.7	15.3	20.1	27.4	37.3	47.7	58.8	50.8
55°	7.4	9.3	11.4	14.3	18.2	21.8	29.1	38.3	49.9	57.0	50.0
52.5°	8.9	10.9	12.8	16.2	20.0	22.9	27.2	35.9	42.7	48.5	44.6
50°	10.4	11.8	13.9	17.8	21.1	22.9	22.6	29.2	34.9	37.4	37.9
47.5°	11.3	12.7	15.2	19.1	21.8	22.3	20.2	23.5	27.8	30.4	29.7
45°	12.1	14.1	16.9	20.2	22.2	21.4	21.1	19.9	25.2	27.5	28.0
42.5°	12.8	15.7	19.0	21.6	22.4	23.5	24.0	24.1	26.9	32.2	35.0
40°	14.1	17.3	21.6	23.8	24.2	27.9	31.7	34.6	36.5	43.8	49.0
37.5°	15.5	20.0	25.1	28.9	29.5	36.0	42.0	60.9	64.8	59.2	77.9
35°	16.7	23.0	31.7	40.8	46.0	47.7	73.9	99.6	110.7	108.4	124.1
32.5°	18.9	26.3	40.3	61.0	81.4	86.7	114.6	158.1	197.1	212.8	203.2
30°	22.7	34.3	54.2	86.7	132.9	183.6	191.5	239.9	318.6	382.8	478.8
27.5°	28.2	44.7	78.7	133.8	207.8	311.6	337.0	379.1	496.2	657.3	966.5
25°	34.6	71.2	106.8	196.6	333.4	455.2	503.2	582.5	718.3	1239.0	1951.1
22.5°	48.9	106.6	164.5	269.0	479.9	605.8	692.5	825.6	1148.4	1979.8	3366.0
20°	74.4	155.7	237.4	360.3	635.0	764.7	881.2	1083.6	1804.2	3350.2	5603.2
17.5°	104.4	208.8	312.8	470.4	718.6	895.9	1076.3	1348.1	2492.4	4948.5	7941.9
15°	137.9	264.8	383.7	565.7	791.9	982.5	1234.3	1860.8	3585.0	6773.3	10090.0
12.5°	173.7	322.7	450.1	647.1	859.8	1063.8	1363.8	2298.9	4723.9	8431.1	12297.1
10°	210.6	381.2	512.0	715.7	922.1	1139.2	1481.1	2699.1	5526.9	9053.0	13354.3
7.5°	233.5	417.7	562.0	772.7	978.4	1207.9	1585.1	3052.7	6095.1	9366.7	13789.9
5°	250.8	427.0	567.0	789.5	1014.3	1262.6	1666.2	3349.2	6448.2	9411.1	13924.3
2.5°	264.0	430.7	568.0	794.7	1036.0	1299.6	1693.9	3447.3	6610.1	9497.3	14017.4
0°	272.9	429.7	565.1	792.9	1050.7	1327.9	1703.9	3465.8	6613.5	9552.9	14052.2
-2.5°	287.5	445.1	593.8	826.2	1067.3	1333.8	1717.8	3563.3	6934.4	10154.3	15112.5
-5°	297.8	456.6	617.8	852.1	1077.2	1330.9	1715.4	3568.5	6974.7	10293.8	15155.5
-7.5°	304.2	464.3	635.8	867.5	1068.6	1297.4	1656.8	3280.2	6361.0	9662.5	14125.8
-10°	308.0	474.0	648.5	858.5	1036.7	1242.5	1573.6	2923.5	5627.0	8850.4	12881.4
-12.5°	315.1	485.4	657.0	848.0	1007.0	1182.0	1475.7	2508.7	4793.6	7857.8	11439.4
-15°	317.3	492.8	661.2	837.8	982.2	1116.9	1363.6	2044.0	3958.3	6986.4	10011.9
-17.5°	314.5	496.4	661.4	829.4	964.5	1048.2	1248.9	1642.2	3335.6	6140.4	8932.2
-20°	306.6	496.0	657.9	824.4	953.5	1025.7	1211.1	1554.7	2800.4	5149.4	7912.0



REPORT NUMBER: P731706 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	293.4	491.9	651.5	815.7	952.5	1046.4	1179.1	1444.4	2129.0	4004.8	6854.6
-25°	284.7	473.3	641.5	793.2	946.1	1068.7	1144.6	1326.5	1708.6	3130.8	5429.5
-27.5°	280.7	448.5	611.7	761.0	929.5	1081.6	1151.0	1283.6	1554.0	2170.7	3928.3
-30°	271.1	406.8	575.8	720.3	890.6	1055.9	1176.5	1239.3	1414.0	1773.3	2807.3
-32.5°	252.1	364.0	528.4	676.2	836.7	1017.9	1181.0	1243.0	1355.8	1562.8	1950.3
-35°	230.2	336.6	476.7	625.2	772.2	955.8	1128.3	1260.4	1310.0	1459.7	1730.3
-37.5°	211.0	304.6	424.1	568.0	710.3	879.3	1069.2	1222.8	1324.7	1390.3	1590.3
-40°	188.6	268.0	380.4	509.7	647.8	802.0	977.8	1157.2	1301.8	1426.0	1509.9
-42.5°	164.2	239.8	335.5	451.3	584.6	727.6	879.7	1057.3	1242.3	1419.3	1548.8
-45°	145.1	208.4	288.1	397.0	517.5	649.5	792.1	942.0	1135.3	1335.0	1515.8
-47.5°	124.0	176.8	249.6	337.8	449.4	570.4	699.7	841.5	1000.9	1193.0	1400.5
-50°	103.7	151.2	207.2	286.0	379.4	489.2	607.4	731.4	872.3	1032.1	1214.7
-52.5°	89.8	123.5	173.5	233.7	313.9	407.2	511.7	621.0	741.3	872.6	1022.6
-55°	74.8	104.0	140.2	189.8	250.2	329.9	415.1	512.2	612.0	726.2	841.7
-57.5°	61.6	85.6	113.8	150.2	198.5	253.4	327.5	404.1	492.9	585.2	677.3
-60°	49.2	68.2	91.5	119.2	152.0	197.3	244.3	308.3	379.2	448.8	525.7
-62.5°	37.0	52.5	70.8	92.5	119.2	145.6	183.0	226.8	273.3	330.6	386.9
-65°	29.2	38.0	51.8	69.3	88.2	110.8	134.1	157.8	195.1	232.3	267.5
-67.5°	21.0	28.9	37.0	46.8	62.8	78.8	95.5	116.2	136.9	156.4	179.2
-70°	17.3	20.4	26.7	34.0	41.1	49.6	63.6	78.1	92.8	107.4	123.8
-72.5°	14.5	17.0	19.8	22.8	28.6	34.3	39.8	45.1	54.4	66.4	77.9
-75°	12.6	13.7	15.8	18.3	20.7	23.0	25.6	30.3	34.9	39.5	44.1
-77.5°	11.5	12.2	13.1	14.3	15.6	17.7	19.6	21.5	23.4	25.1	26.8
-80°	10.4	10.7	11.2	11.9	12.7	13.7	14.8	16.0	17.2	18.7	20.1
-82.5°	9.4	9.6	9.9	10.1	10.3	10.5	10.8	11.5	12.2	12.9	13.7
-85°	8.4	8.6	8.8	8.9	9.1	9.2	9.3	9.5	9.6	9.7	9.8
-87.5°	7.4	7.5	7.6	7.7	7.7	7.8	7.9	8.0	8.0	8.1	8.1
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



REPORT NUMBER: P731706 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.4	6.4	6.4	6.4	6.4	5.9	5.4	4.8	4.3	4.3	4.3
87.5°	4.3	4.3	4.3	4.3	4.3	3.8	3.2	2.7	2.1	2.1	2.1
85°	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.2	3.7	3.2
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.2
80°	4.9	4.9	4.8	4.6	4.3	4.3	4.3	4.3	4.3	3.8	3.2
77.5°	6.4	6.0	5.5	4.9	4.4	4.3	4.3	4.3	4.3	3.8	3.3
75°	6.6	6.2	5.9	5.7	5.4	5.2	5.0	4.8	4.4	4.2	4.2
72.5°	8.2	8.1	8.0	8.1	8.1	7.9	7.5	6.9	6.1	6.0	6.2
70°	12.4	12.8	12.9	12.7	12.0	11.0	10.2	9.3	8.4	8.2	8.3
67.5°	19.0	19.3	18.7	17.3	15.0	13.1	12.0	10.7	9.3	8.8	9.4
65°	27.0	23.8	21.2	19.0	16.9	15.1	13.8	12.4	10.9	10.6	11.9
62.5°	32.2	25.3	21.4	19.6	18.3	17.0	15.0	13.2	11.6	10.8	11.0
60°	36.7	27.0	20.4	18.6	16.9	15.2	13.3	11.6	10.2	9.3	9.0
57.5°	38.8	27.5	18.6	16.2	13.9	11.6	10.6	10.2	9.4	8.6	9.1
55°	37.4	25.6	15.8	14.0	13.3	12.9	12.5	11.4	10.6	9.9	10.3
52.5°	32.0	23.3	16.9	14.6	14.0	13.4	12.8	12.6	12.4	12.1	12.3
50°	28.5	21.8	17.3	14.8	14.8	14.8	14.8	15.0	15.3	15.5	15.6
47.5°	25.4	20.4	19.4	17.0	17.4	18.7	19.0	19.4	20.5	20.3	19.8
45°	25.4	27.3	26.7	25.2	24.3	33.8	34.4	28.9	34.3	33.6	29.4
42.5°	37.2	39.9	40.5	49.8	67.3	66.4	64.7	73.2	67.4	58.9	53.0
40°	57.7	57.7	68.5	84.1	83.5	80.3	90.9	92.3	91.6	96.5	95.0
37.5°	91.9	92.9	97.9	107.3	123.7	115.9	139.1	154.1	156.5	177.3	193.3
35°	152.8	179.1	155.7	211.5	248.0	240.2	274.0	334.6	277.5	424.9	451.5
32.5°	286.4	345.5	390.8	454.6	536.9	658.6	667.6	1098.4	1184.6	1438.9	1786.5
30°	493.2	664.2	992.8	1078.6	1211.1	1715.3	2311.3	3057.2	3750.6	4245.8	4897.3
27.5°	1187.4	1470.0	2177.8	2946.9	2902.1	3844.1	5976.1	6632.0	8432.3	9031.2	10550.9
25°	2656.0	3332.6	5046.0	6573.0	7351.2	9833.2	12646.1	13914.6	16286.2	17547.2	19407.6
22.5°	5194.0	7050.2	9322.7	11667.7	14589.7	18390.1	21867.3	24405.5	27598.7	30162.3	31679.7
20°	8406.9	10975.3	14475.0	18117.6	22637.4	27630.0	31259.4	36401.8	41204.4	45764.9	47822.0
17.5°	11466.3	15757.5	19991.6	24388.1	30317.1	36847.7	42763.1	50284.0	58247.4	64371.4	69363.7
15°	14058.6	18833.5	24942.6	30197.0	36983.2	45127.0	53921.1	63536.3	74988.7	83693.1	93066.9
12.5°	16451.6	21239.5	27867.8	34143.2	43280.8	52478.7	62741.2	74688.3	87927.0	100803.2	112881.6
10°	17992.3	23510.4	30613.3	38237.3	47597.4	58277.9	69951.9	83335.8	100301.3	115021.8	128629.5
7.5°	18924.3	25581.4	32936.3	41065.9	51086.0	62076.7	74371.1	90149.0	107974.6	123350.7	135575.5
5°	19840.9	27278.1	34435.8	42429.4	53356.7	64540.8	76532.6	92359.4	110744.9	126135.6	137113.4
2.5°	20760.2	28446.2	35259.6	42972.0	54646.0	65933.3	78629.7	95491.1	113971.5	128106.5	137642.6
0°	21600.4	28862.8	35555.8	43108.3	55207.4	66541.5	79467.8	96117.6	116733.9	130328.4	139561.2
-2.5°	21905.1	28840.2	35235.4	42723.6	54738.7	65709.0	78573.9	96517.3	115756.5	129589.5	138964.6
-5°	20978.3	27271.9	33495.5	41080.3	52249.4	63573.0	76524.3	94316.7	112579.6	126900.3	135840.2
-7.5°	19235.9	24922.3	31043.8	38559.9	48708.1	59650.6	71440.5	86981.7	104961.2	118302.4	125343.5
-10°	17412.1	22289.5	28072.4	35028.8	43971.7	54363.4	64136.1	77360.0	93977.6	105805.3	113011.2
-12.5°	15327.3	19285.2	24622.7	30703.0	38685.6	47745.2	56683.7	67868.7	80559.7	92724.9	100226.8
-15°	13138.6	16323.8	20961.4	26795.9	33100.1	39876.4	48142.2	57202.6	67322.1	77182.6	85728.7
-17.5°	11386.7	13844.7	18100.5	23343.8	28150.8	33648.2	41704.6	49070.1	56476.1	64428.7	71548.1
-20°	10259.9	12567.2	16004.9	20382.8	25151.4	30692.9	36918.6	43360.7	50245.1	56350.9	62625.9



REPORT NUMBER: P731706 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9360.6	11732.0	14384.5	18033.1	23108.8	28199.8	32989.0	37919.1	43630.6	49867.4	55124.1
-25°	8192.4	10679.3	13199.3	16669.6	20943.0	25442.8	28968.8	32479.0	37632.4	42936.4	47282.0
-27.5°	6567.8	9379.6	12321.8	15146.4	18789.2	21989.5	25088.0	28269.2	32762.7	37240.0	40486.9
-30°	4686.7	7934.4	10989.9	13876.1	16377.2	18897.3	21488.7	24745.2	28501.6	32104.1	34864.1
-32.5°	3429.4	5862.9	9167.3	12113.1	14560.7	16670.3	18660.4	21558.1	24496.9	27385.5	30023.6
-35°	2188.3	3967.0	6541.9	9541.5	12415.1	14654.8	16818.7	18918.2	21126.9	23588.8	25871.7
-37.5°	1884.2	2362.3	3944.2	6182.2	8936.2	11862.9	13990.4	16080.5	18335.1	20184.8	22104.0
-40°	1707.6	1957.4	2358.1	3151.9	5231.4	7296.1	9686.4	11921.9	14077.0	15975.5	17729.3
-42.5°	1630.5	1780.0	1941.8	2243.0	2578.5	3568.5	5311.1	6938.8	8856.9	10762.6	12427.1
-45°	1669.6	1720.9	1803.3	1951.3	2088.7	2367.5	2661.2	2968.0	4278.7	5653.0	6830.6
-47.5°	1562.7	1712.4	1792.2	1856.6	1927.2	2048.5	2174.1	2345.0	2640.5	2939.9	3177.2
-50°	1385.3	1544.8	1684.9	1823.0	1889.8	1938.3	1990.1	2090.2	2227.3	2368.4	2472.2
-52.5°	1164.7	1319.1	1473.2	1613.1	1727.2	1837.4	1946.4	2028.3	2099.9	2170.8	2205.0
-55°	967.3	1096.1	1220.3	1346.3	1470.6	1588.5	1709.3	1832.1	1946.2	2051.6	2103.8
-57.5°	781.8	889.8	996.6	1092.7	1191.8	1292.7	1404.5	1523.8	1641.9	1752.1	1809.2
-60°	605.9	688.7	776.1	854.4	928.1	997.1	1093.7	1191.6	1285.3	1365.3	1407.7
-62.5°	443.0	507.3	573.6	635.9	694.9	753.4	826.2	897.0	965.1	1020.1	1052.1
-65°	307.1	354.9	399.5	442.5	484.3	534.2	589.3	642.3	692.6	730.2	751.4
-67.5°	209.5	238.0	262.9	286.1	316.2	351.4	389.9	426.2	460.1	484.6	500.9
-70°	140.0	155.5	169.2	184.9	203.9	223.1	244.0	264.6	284.6	298.5	307.0
-72.5°	88.9	98.7	108.0	118.9	129.0	139.2	149.3	158.7	167.4	175.4	182.8
-75°	48.8	53.9	61.3	68.2	74.5	81.4	88.0	93.9	99.0	102.5	105.1
-77.5°	29.8	33.1	36.2	38.9	41.3	44.4	47.7	51.2	54.7	57.0	58.9
-80°	21.5	22.6	23.7	24.8	26.0	26.9	27.7	28.4	28.9	29.8	30.6
-82.5°	14.6	15.2	15.8	16.4	16.9	17.8	18.8	19.7	20.6	21.4	22.1
-85°	9.9	9.9	9.8	9.9	9.9	10.5	11.1	11.8	12.4	12.6	12.7
-87.5°	8.2	7.8	7.4	6.9	6.4	6.4	6.3	6.3	6.3	6.4	6.4
-90°	4.3	4.3	4.3	4.3	4.3	3.8	3.2	2.7	2.1	2.1	2.1



REPORT NUMBER: P731706 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.7
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.1
82.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3
80°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3
77.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.3	3.8	4.3	4.3
75°	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.4	4.8
72.5°	6.3	6.3	6.4	6.4	6.4	6.3	6.3	6.2	6.0	6.1	6.9
70°	8.4	8.5	8.6	8.6	8.6	8.5	8.4	8.3	8.2	8.4	9.3
67.5°	9.9	10.5	10.7	10.7	10.7	10.5	9.9	9.4	8.8	9.3	10.7
65°	13.3	14.6	14.0	12.9	14.0	14.6	13.3	11.9	10.6	10.9	12.4
62.5°	11.0	10.9	10.7	10.7	10.7	10.9	11.0	11.0	10.8	11.6	13.2
60°	8.8	8.7	8.6	8.6	8.6	8.7	8.8	9.0	9.3	10.2	11.6
57.5°	9.7	10.4	10.7	10.7	10.7	10.4	9.7	9.1	8.6	9.4	10.2
55°	10.6	10.7	10.7	10.7	10.7	10.7	10.6	10.3	9.9	10.6	11.4
52.5°	12.6	12.8	12.9	12.9	12.9	12.8	12.6	12.3	12.1	12.4	12.6
50°	15.5	15.2	15.0	15.0	15.0	15.2	15.5	15.6	15.5	15.3	15.0
47.5°	19.7	19.3	19.2	19.3	19.2	19.3	19.7	19.8	20.3	20.5	19.4
45°	29.4	28.4	27.7	27.9	27.7	28.4	29.4	29.4	33.6	34.3	28.9
42.5°	56.2	58.2	60.5	64.5	60.5	58.2	56.2	53.0	58.9	67.4	73.2
40°	95.9	93.1	89.4	90.2	89.4	93.1	95.9	95.0	96.5	91.6	92.3
37.5°	199.3	191.8	177.4	167.6	177.4	191.8	199.3	193.3	177.3	156.5	154.1
35°	409.6	399.9	376.4	369.6	376.4	399.9	409.6	451.5	424.9	277.5	334.6
32.5°	1928.1	2149.2	2218.6	2221.7	2218.6	2149.2	1928.1	1786.5	1438.9	1184.6	1098.4
30°	4948.0	4894.2	4416.8	3925.6	4416.8	4894.2	4948.0	4897.3	4245.8	3750.6	3057.2
27.5°	11908.3	13363.1	14413.9	14073.6	14413.9	13363.1	11908.3	10550.9	9031.2	8432.3	6632.0
25°	21448.0	22477.6	22815.4	22313.7	22815.4	22477.6	21448.0	19407.6	17547.2	16286.2	13914.6
22.5°	33673.1	34291.3	34237.5	33108.5	34237.5	34291.3	33673.1	31679.7	30162.3	27598.7	24405.5
20°	50708.8	50610.2	51116.7	48819.4	51116.7	50610.2	50708.8	47822.0	45764.9	41204.4	36401.8
17.5°	74803.5	78760.9	81773.9	81485.3	81773.9	78760.9	74803.5	69363.7	64371.4	58247.4	50284.0
15°	100398.6	106378.2	110465.2	110730.6	110465.2	106378.2	100398.6	93066.9	83693.1	74988.7	63536.3
12.5°	122647.7	129042.4	132513.6	131986.1	132513.6	129042.4	122647.7	112881.6	100803.2	87927.0	74688.3
10°	136820.9	141743.0	145396.1	146303.6	145396.1	141743.0	136820.9	128629.5	115021.8	100301.3	83335.8
7.5°	142504.3	147110.9	150295.3	150247.5	150295.3	147110.9	142504.3	135575.5	123350.7	107974.6	90149.0
5°	143556.0	148091.6	149894.0	150235.6	149894.0	148091.6	143556.0	137113.4	126135.6	110744.9	92359.4
2.5°	144590.3	148350.7	150309.7	149565.3	150309.7	148350.7	144590.3	137642.6	128106.5	113971.5	95491.1
0°	144995.0	148009.6	149540.6	149066.8	149540.6	148009.6	144995.0	139561.2	130328.4	116733.9	96117.6
-2.5°	144856.5	146839.5	148135.3	147687.3	148135.3	146839.5	144856.5	138964.6	129589.5	115756.5	96517.3
-5°	141149.5	142857.2	143461.1	143791.8	143461.1	142857.2	141149.5	135840.2	126900.3	112579.6	94316.7
-7.5°	129237.0	131481.6	130759.8	131848.6	130759.8	131481.6	129237.0	125343.5	118302.4	104961.2	86981.7
-10°	117452.4	119636.7	118887.2	119589.5	118887.2	119636.7	117452.4	113011.2	105805.3	93977.6	77360.0
-12.5°	106339.8	109087.2	109046.5	110043.0	109046.5	109087.2	106339.8	100226.8	92724.9	80559.7	67868.7
-15°	92979.6	96478.9	98384.6	99607.0	98384.6	96478.9	92979.6	85728.7	77182.6	67322.1	57202.6
-17.5°	78866.8	83366.7	86572.7	87065.4	86572.7	83366.7	78866.8	71548.1	64428.7	56476.1	49070.1
-20°	68016.9	72073.7	75091.0	76064.3	75091.0	72073.7	68016.9	62625.9	56350.9	50245.1	43360.7



REPORT NUMBER: P731706 (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°	58927.9	62275.6	64457.3	64994.5	64457.3	62275.6	58927.9	55124.1	49867.4	43630.6	37919.1
-25°	50129.3	52001.2	53146.2	53578.7	53146.2	52001.2	50129.3	47282.0	42936.4	37632.4	32479.0
-27.5°	42968.3	44303.4	44875.2	45100.1	44875.2	44303.4	42968.3	40486.9	37240.0	32762.7	28269.2
-30°	36974.0	37999.2	38627.3	38860.5	38627.3	37999.2	36974.0	34864.1	32104.1	28501.6	24745.2
-32.5°	32039.5	33060.0	33721.9	33959.4	33721.9	33060.0	32039.5	30023.6	27385.5	24496.9	21558.1
-35°	27419.3	28262.8	28865.9	29146.4	28865.9	28262.8	27419.3	25871.7	23588.8	21126.9	18918.2
-37.5°	23335.3	24096.4	24598.7	24754.6	24598.7	24096.4	23335.3	22104.0	20184.8	18335.1	16080.5
-40°	18717.4	19404.2	19786.2	19767.6	19786.2	19404.2	18717.4	17729.3	15975.5	14077.0	11921.9
-42.5°	13410.6	14104.3	14594.6	14963.2	14594.6	14104.3	13410.6	12427.1	10762.6	8856.9	6938.8
-45°	7618.8	8188.8	8555.7	8727.8	8555.7	8188.8	7618.8	6830.6	5653.0	4278.7	2968.0
-47.5°	3318.2	3421.7	3473.7	3474.4	3473.7	3421.7	3318.2	3177.2	2939.9	2640.5	2345.0
-50°	2547.4	2612.4	2650.0	2660.0	2650.0	2612.4	2547.4	2472.2	2368.4	2227.3	2090.2
-52.5°	2228.9	2251.4	2261.5	2262.5	2261.5	2251.4	2228.9	2205.0	2170.8	2099.9	2028.3
-55°	2147.9	2185.3	2200.3	2198.1	2200.3	2185.3	2147.9	2103.8	2051.6	1946.2	1832.1
-57.5°	1856.8	1894.1	1915.7	1923.0	1915.7	1894.1	1856.8	1809.2	1752.1	1641.9	1523.8
-60°	1440.6	1464.0	1484.3	1497.6	1484.3	1464.0	1440.6	1407.7	1365.3	1285.3	1191.6
-62.5°	1078.2	1097.8	1116.8	1130.2	1116.8	1097.8	1078.2	1052.1	1020.1	965.1	897.0
-65°	766.9	776.6	792.4	805.7	792.4	776.6	766.9	751.4	730.2	692.6	642.3
-67.5°	513.8	523.1	528.8	530.7	528.8	523.1	513.8	500.9	484.6	460.1	426.2
-70°	312.9	316.4	323.1	328.7	323.1	316.4	312.9	307.0	298.5	284.6	264.6
-72.5°	189.4	195.0	195.1	193.4	195.1	195.0	189.4	182.8	175.4	167.4	158.7
-75°	107.1	108.5	109.3	109.6	109.3	108.5	107.1	105.1	102.5	99.0	93.9
-77.5°	60.4	61.7	61.1	60.2	61.1	61.7	60.4	58.9	57.0	54.7	51.2
-80°	31.4	32.1	32.2	32.2	32.2	32.1	31.4	30.6	29.8	28.9	28.4
-82.5°	22.8	23.5	22.5	21.5	22.5	23.5	22.8	22.1	21.4	20.6	19.7
-85°	12.8	12.9	12.9	12.9	12.9	12.9	12.8	12.7	12.6	12.4	11.8
-87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.3
-90°	2.1	2.1	1.1	0.0	1.1	2.1	2.1	2.1	2.1	2.1	2.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.4	5.9	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	3.2	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.5	4.6	4.6	4.5
80°	4.3	4.3	4.3	4.6	4.8	4.9	4.9	5.2	5.5	5.9	5.9
77.5°	4.3	4.3	4.4	4.9	5.5	6.0	6.4	6.3	6.2	6.3	6.3
75°	5.0	5.2	5.4	5.7	5.9	6.2	6.6	7.0	7.2	7.1	6.8
72.5°	7.5	7.9	8.1	8.1	8.0	8.1	8.2	8.4	8.5	8.6	8.1
70°	10.2	11.0	12.0	12.7	12.9	12.8	12.4	11.7	10.6	10.2	9.5
67.5°	12.0	13.1	15.0	17.3	18.7	19.3	19.0	17.8	16.7	15.4	12.2
65°	13.8	15.1	16.9	19.0	21.2	23.8	27.0	27.3	25.9	22.9	16.6
62.5°	15.0	17.0	18.3	19.6	21.4	25.3	32.2	35.9	36.8	32.4	24.4
60°	13.3	15.2	16.9	18.6	20.4	27.0	36.7	44.1	49.1	41.8	31.6
57.5°	10.6	11.6	13.9	16.2	18.6	27.5	38.8	50.8	58.8	47.7	37.3
55°	12.5	12.9	13.3	14.0	15.8	25.6	37.4	50.0	57.0	49.9	38.3
52.5°	12.8	13.4	14.0	14.6	16.9	23.3	32.0	44.6	48.5	42.7	35.9
50°	14.8	14.8	14.8	14.8	17.3	21.8	28.5	37.9	37.4	34.9	29.2
47.5°	19.0	18.7	17.4	17.0	19.4	20.4	25.4	29.7	30.4	27.8	23.5
45°	34.4	33.8	24.3	25.2	26.7	27.3	25.4	28.0	27.5	25.2	19.9
42.5°	64.7	66.4	67.3	49.8	40.5	39.9	37.2	35.0	32.2	26.9	24.1
40°	90.9	80.3	83.5	84.1	68.5	57.7	57.7	49.0	43.8	36.5	34.6
37.5°	139.1	115.9	123.7	107.3	97.9	92.9	91.9	77.9	59.2	64.8	60.9
35°	274.0	240.2	248.0	211.5	155.7	179.1	152.8	124.1	108.4	110.7	99.6
32.5°	667.6	658.6	536.9	454.6	390.8	345.5	286.4	203.2	212.8	197.1	158.1
30°	2311.3	1715.3	1211.1	1078.6	992.8	664.2	493.2	478.8	382.8	318.6	239.9
27.5°	5976.1	3844.1	2902.1	2946.9	2177.8	1470.0	1187.4	966.5	657.3	496.2	379.1
25°	12646.1	9833.2	7351.2	6573.0	5046.0	3332.6	2656.0	1951.1	1239.0	718.3	582.5
22.5°	21867.3	18390.1	14589.7	11667.7	9322.7	7050.2	5194.0	3366.0	1979.8	1148.4	825.6
20°	31259.4	27630.0	22637.4	18117.6	14475.0	10975.3	8406.9	5603.2	3350.2	1804.2	1083.6
17.5°	42763.1	36847.7	30317.1	24388.1	19991.6	15757.5	11466.3	7941.9	4948.5	2492.4	1348.1
15°	53921.1	45127.0	36983.2	30197.0	24942.6	18833.5	14058.6	10090.0	6773.3	3585.0	1860.8
12.5°	62741.2	52478.7	43280.8	34143.2	27867.8	21239.5	16451.6	12297.1	8431.1	4723.9	2298.9
10°	69951.9	58277.9	47597.4	38237.3	30613.3	23510.4	17992.3	13354.3	9053.0	5526.9	2699.1
7.5°	74371.1	62076.7	51086.0	41065.9	32936.3	25581.4	18924.3	13789.9	9366.7	6095.1	3052.7
5°	76532.6	64540.8	53356.7	42429.4	34435.8	27278.1	19840.9	13924.3	9411.1	6448.2	3349.2
2.5°	78629.7	65933.3	54646.0	42972.0	35259.6	28446.2	20760.2	14017.4	9497.3	6610.1	3447.3
0°	79467.8	66541.5	55207.4	43108.3	35555.8	28862.8	21600.4	14052.2	9552.9	6613.5	3465.8
-2.5°	78573.9	65709.0	54738.7	42723.6	35235.4	28840.2	21905.1	15112.5	10154.3	6934.4	3563.3
-5°	76524.3	63573.0	52249.4	41080.3	33495.5	27271.9	20978.3	15155.5	10293.8	6974.7	3568.5
-7.5°	71440.5	59650.6	48708.1	38559.9	31043.8	24922.3	19235.9	14125.8	9662.5	6361.0	3280.2
-10°	64136.1	54363.4	43971.7	35028.8	28072.4	22289.5	17412.1	12881.4	8850.4	5627.0	2923.5
-12.5°	56683.7	47745.2	38685.6	30703.0	24622.7	19285.2	15327.3	11439.4	7857.8	4793.6	2508.7
-15°	48142.2	39876.4	33100.1	26795.9	20961.4	16323.8	13138.6	10011.9	6986.4	3958.3	2044.0
-17.5°	41704.6	33648.2	28150.8	23343.8	18100.5	13844.7	11386.7	8932.2	6140.4	3335.6	1642.2
-20°	36918.6	30692.9	25151.4	20382.8	16004.9	12567.2	10259.9	7912.0	5149.4	2800.4	1554.7



REPORT NUMBER: P731706 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	32989.0	28199.8	23108.8	18033.1	14384.5	11732.0	9360.6	6854.6	4004.8	2129.0	1444.4
-25°	28968.8	25442.8	20943.0	16669.6	13199.3	10679.3	8192.4	5429.5	3130.8	1708.6	1326.5
-27.5°	25088.0	21989.5	18789.2	15146.4	12321.8	9379.6	6567.8	3928.3	2170.7	1554.0	1283.6
-30°	21488.7	18897.3	16377.2	13876.1	10989.9	7934.4	4686.7	2807.3	1773.3	1414.0	1239.3
-32.5°	18660.4	16670.3	14560.7	12113.1	9167.3	5862.9	3429.4	1950.3	1562.8	1355.8	1243.0
-35°	16818.7	14654.8	12415.1	9541.5	6541.9	3967.0	2188.3	1730.3	1459.7	1310.0	1260.4
-37.5°	13990.4	11862.9	8936.2	6182.2	3944.2	2362.3	1884.2	1590.3	1390.3	1324.7	1222.8
-40°	9686.4	7296.1	5231.4	3151.9	2358.1	1957.4	1707.6	1509.9	1426.0	1301.8	1157.2
-42.5°	5311.1	3568.5	2578.5	2243.0	1941.8	1780.0	1630.5	1548.8	1419.3	1242.3	1057.3
-45°	2661.2	2367.5	2088.7	1951.3	1803.3	1720.9	1669.6	1515.8	1335.0	1135.3	942.0
-47.5°	2174.1	2048.5	1927.2	1856.6	1792.2	1712.4	1562.7	1400.5	1193.0	1000.9	841.5
-50°	1990.1	1938.3	1889.8	1823.0	1684.9	1544.8	1385.3	1214.7	1032.1	872.3	731.4
-52.5°	1946.4	1837.4	1727.2	1613.1	1473.2	1319.1	1164.7	1022.6	872.6	741.3	621.0
-55°	1709.3	1588.5	1470.6	1346.3	1220.3	1096.1	967.3	841.7	726.2	612.0	512.2
-57.5°	1404.5	1292.7	1191.8	1092.7	996.6	889.8	781.8	677.3	585.2	492.9	404.1
-60°	1093.7	997.1	928.1	854.4	776.1	688.7	605.9	525.7	448.8	379.2	308.3
-62.5°	826.2	753.4	694.9	635.9	573.6	507.3	443.0	386.9	330.6	273.3	226.8
-65°	589.3	534.2	484.3	442.5	399.5	354.9	307.1	267.5	232.3	195.1	157.8
-67.5°	389.9	351.4	316.2	286.1	262.9	238.0	209.5	179.2	156.4	136.9	116.2
-70°	244.0	223.1	203.9	184.9	169.2	155.5	140.0	123.8	107.4	92.8	78.1
-72.5°	149.3	139.2	129.0	118.9	108.0	98.7	88.9	77.9	66.4	54.4	45.1
-75°	88.0	81.4	74.5	68.2	61.3	53.9	48.8	44.1	39.5	34.9	30.3
-77.5°	47.7	44.4	41.3	38.9	36.2	33.1	29.8	26.8	25.1	23.4	21.5
-80°	27.7	26.9	26.0	24.8	23.7	22.6	21.5	20.1	18.7	17.2	16.0
-82.5°	18.8	17.8	16.9	16.4	15.8	15.2	14.6	13.7	12.9	12.2	11.5
-85°	11.1	10.5	9.9	9.9	9.8	9.9	9.9	9.8	9.7	9.6	9.5
-87.5°	6.3	6.4	6.4	6.9	7.4	7.8	8.2	8.1	8.1	8.0	8.0
-90°	3.2	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



REPORT NUMBER: P731706 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	5.9
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	5.9
82.5°	4.3	4.3	4.3	4.3	4.6	4.8	4.9	4.9	5.1	5.4	5.9
80°	5.3	4.8	4.5	4.4	4.9	5.4	5.7	5.8	5.7	5.8	6.0
77.5°	6.0	5.4	4.7	4.4	5.0	5.5	6.0	6.4	6.3	6.1	6.2
75°	6.4	6.2	5.7	5.3	5.3	5.5	6.0	6.4	6.4	6.4	6.3
72.5°	7.3	6.8	6.5	6.4	6.0	6.0	6.2	6.4	6.4	6.4	6.4
70°	8.4	7.3	6.5	6.4	6.4	6.4	6.3	6.4	6.4	6.4	6.4
67.5°	9.7	8.5	7.3	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	12.9	10.2	8.5	7.4	6.7	6.4	6.4	6.4	6.4	6.4	6.4
62.5°	17.3	11.8	9.6	8.3	7.1	6.6	6.4	6.4	6.4	6.4	6.4
60°	23.4	16.2	11.4	9.7	8.1	6.7	6.5	6.4	6.4	6.4	6.4
57.5°	27.4	20.1	15.3	11.7	9.7	7.6	6.6	6.6	6.4	6.4	6.4
55°	29.1	21.8	18.2	14.3	11.4	9.3	7.4	7.0	6.5	6.4	6.5
52.5°	27.2	22.9	20.0	16.2	12.8	10.9	8.9	7.4	7.0	6.4	6.6
50°	22.6	22.9	21.1	17.8	13.9	11.8	10.4	8.5	7.5	6.6	6.7
47.5°	20.2	22.3	21.8	19.1	15.2	12.7	11.3	9.6	8.2	7.2	6.8
45°	21.1	21.4	22.2	20.2	16.9	14.1	12.1	10.6	9.0	7.8	6.9
42.5°	24.0	23.5	22.4	21.6	19.0	15.7	12.8	11.3	9.7	8.5	7.3
40°	31.7	27.9	24.2	23.8	21.6	17.3	14.1	11.9	10.3	9.1	7.9
37.5°	42.0	36.0	29.5	28.9	25.1	20.0	15.5	12.5	11.1	9.8	8.4
35°	73.9	47.7	46.0	40.8	31.7	23.0	16.7	13.4	11.8	10.4	9.0
32.5°	114.6	86.7	81.4	61.0	40.3	26.3	18.9	15.1	12.7	10.9	9.5
30°	191.5	183.6	132.9	86.7	54.2	34.3	22.7	17.2	13.6	11.5	10.0
27.5°	337.0	311.6	207.8	133.8	78.7	44.7	28.2	19.6	14.5	12.1	10.4
25°	503.2	455.2	333.4	196.6	106.8	71.2	34.6	22.3	16.1	12.9	10.9
22.5°	692.5	605.8	479.9	269.0	164.5	106.6	48.9	27.4	18.1	13.6	11.3
20°	881.2	764.7	635.0	360.3	237.4	155.7	74.4	32.9	20.3	14.4	11.7
17.5°	1076.3	895.9	718.6	470.4	312.8	208.8	104.4	38.6	22.5	15.1	12.1
15°	1234.3	982.5	791.9	565.7	383.7	264.8	137.9	44.5	24.8	15.8	12.4
12.5°	1363.8	1063.8	859.8	647.1	450.1	322.7	173.7	50.5	27.1	16.5	12.5
10°	1481.1	1139.2	922.1	715.7	512.0	381.2	210.6	56.4	29.6	17.2	12.7
7.5°	1585.1	1207.9	978.4	772.7	562.0	417.7	233.5	61.8	32.1	17.8	12.8
5°	1666.2	1262.6	1014.3	789.5	567.0	427.0	250.8	66.9	34.5	18.4	12.8
2.5°	1693.9	1299.6	1036.0	794.7	568.0	430.7	264.0	71.3	36.8	18.9	12.9
0°	1703.9	1327.9	1050.7	792.9	565.1	429.7	272.9	75.2	38.7	19.3	12.9
-2.5°	1717.8	1333.8	1067.3	826.2	593.8	445.1	287.5	93.8	50.5	25.9	15.2
-5°	1715.4	1330.9	1077.2	852.1	617.8	456.6	297.8	111.3	61.7	32.1	17.5
-7.5°	1656.8	1297.4	1068.6	867.5	635.8	464.3	304.2	127.3	71.9	37.9	19.5
-10°	1573.6	1242.5	1036.7	858.5	648.5	474.0	308.0	141.4	81.1	43.0	21.3
-12.5°	1475.7	1182.0	1007.0	848.0	657.0	485.4	315.1	154.9	89.0	47.2	22.8
-15°	1363.6	1116.9	982.2	837.8	661.2	492.8	317.3	166.4	96.7	51.1	23.9
-17.5°	1248.9	1048.2	964.5	829.4	661.4	496.4	314.5	174.8	102.6	54.8	25.7
-20°	1211.1	1025.7	953.5	824.4	657.9	496.0	306.6	179.7	106.5	57.4	27.8



REPORT NUMBER: P731706 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1179.1	1046.4	952.5	815.7	651.5	491.9	293.4	180.9	108.2	58.7	29.3
-25°	1144.6	1068.7	946.1	793.2	641.5	473.3	284.7	178.1	107.5	58.6	30.1
-27.5°	1151.0	1081.6	929.5	761.0	611.7	448.5	280.7	176.9	105.5	57.0	30.2
-30°	1176.5	1055.9	890.6	720.3	575.8	406.8	271.1	172.7	103.5	56.0	29.5
-32.5°	1181.0	1017.9	836.7	676.2	528.4	364.0	252.1	165.1	99.5	55.1	29.2
-35°	1128.3	955.8	772.2	625.2	476.7	336.6	230.2	154.2	93.3	53.1	28.8
-37.5°	1069.2	879.3	710.3	568.0	424.1	304.6	211.0	140.0	85.0	49.9	27.7
-40°	977.8	802.0	647.8	509.7	380.4	268.0	188.6	126.2	78.8	45.5	25.9
-42.5°	879.7	727.6	584.6	451.3	335.5	239.8	164.2	110.7	71.5	42.0	23.5
-45°	792.1	649.5	517.5	397.0	288.1	208.4	145.1	94.6	63.1	38.4	21.2
-47.5°	699.7	570.4	449.4	337.8	249.6	176.8	124.0	84.2	53.9	34.0	19.5
-50°	607.4	489.2	379.4	286.0	207.2	151.2	103.7	72.8	47.5	28.5	17.5
-52.5°	511.7	407.2	313.9	233.7	173.5	123.5	89.8	60.9	40.4	24.6	15.1
-55°	415.1	329.9	250.2	189.8	140.2	104.0	74.8	51.7	32.6	21.2	12.6
-57.5°	327.5	253.4	198.5	150.2	113.8	85.6	61.6	41.8	27.3	17.6	12.2
-60°	244.3	197.3	152.0	119.2	91.5	68.2	49.2	32.7	22.5	14.3	11.8
-62.5°	183.0	145.6	119.2	92.5	70.8	52.5	37.0	26.6	17.4	13.5	11.3
-65°	134.1	110.8	88.2	69.3	51.8	38.0	29.2	20.0	15.2	12.6	10.7
-67.5°	95.5	78.8	62.8	46.8	37.0	28.9	21.0	16.6	13.7	11.5	10.2
-70°	63.6	49.6	41.1	34.0	26.7	20.4	17.3	14.5	12.1	10.9	9.7
-72.5°	39.8	34.3	28.6	22.8	19.8	17.0	14.5	12.5	11.4	10.2	9.1
-75°	25.6	23.0	20.7	18.3	15.8	13.7	12.6	11.7	10.6	9.6	8.9
-77.5°	19.6	17.7	15.6	14.3	13.1	12.2	11.5	10.8	9.9	9.3	8.8
-80°	14.8	13.7	12.7	11.9	11.2	10.7	10.4	10.0	9.4	9.0	8.7
-82.5°	10.8	10.5	10.3	10.1	9.9	9.6	9.4	9.1	8.8	8.6	8.4
-85°	9.3	9.2	9.1	8.9	8.8	8.6	8.4	8.3	8.1	7.9	7.7
-87.5°	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.2	7.1
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	5.9



REPORT NUMBER: P731706 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
82.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
80°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
77.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
67.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
62.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
60°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
57.5°	6.5	6.4	6.4	6.4	6.4	6.4	6.4
55°	6.6	6.4	6.4	6.4	6.4	6.4	6.4
52.5°	6.8	6.4	6.4	6.4	6.4	6.4	6.4
50°	7.0	6.6	6.4	6.4	6.4	6.4	6.4
47.5°	7.2	6.9	6.4	6.4	6.4	6.4	6.4
45°	7.3	7.1	6.4	6.4	6.4	6.4	6.4
42.5°	7.4	7.4	6.4	6.4	6.4	6.4	6.4
40°	7.6	7.6	6.5	6.4	6.4	6.4	6.4
37.5°	7.7	7.9	6.7	6.5	6.4	6.4	6.4
35°	7.8	8.1	7.0	6.5	6.4	6.4	6.4
32.5°	8.0	8.2	7.2	6.6	6.4	6.4	6.4
30°	8.4	8.3	7.4	6.7	6.4	6.4	6.4
27.5°	8.8	8.4	7.7	6.8	6.4	6.4	6.4
25°	9.2	8.5	7.9	7.0	6.4	6.4	6.4
22.5°	9.5	8.6	8.1	7.1	6.4	6.4	6.4
20°	9.9	8.6	8.2	7.3	6.4	6.4	6.4
17.5°	10.1	8.6	8.4	7.4	6.4	6.4	6.4
15°	10.3	8.6	8.4	7.6	6.4	6.4	6.4
12.5°	10.4	8.6	8.5	7.8	6.4	6.4	6.4
10°	10.5	8.6	8.6	7.9	6.4	6.4	6.4
7.5°	10.6	8.6	8.6	8.1	6.4	6.4	6.4
5°	10.7	8.6	8.6	8.3	6.4	6.4	6.4
2.5°	10.7	8.6	8.6	8.4	6.4	6.4	6.4
0°	10.7	8.6	8.6	8.6	6.4	6.4	6.4
-2.5°	11.3	8.8	8.6	8.6	6.5	6.4	6.4
-5°	11.8	9.1	8.6	8.6	6.6	6.4	6.4
-7.5°	12.3	9.3	8.6	8.6	6.7	6.4	6.4
-10°	12.7	9.5	8.6	8.5	6.8	6.4	6.4
-12.5°	13.0	9.6	8.6	8.5	6.9	6.4	6.4
-15°	13.3	9.7	8.6	8.5	6.9	6.4	6.4
-17.5°	13.5	9.8	8.6	8.4	7.0	6.4	6.4
-20°	14.1	9.9	8.6	8.4	7.1	6.4	6.4



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.2	9.9	8.6	8.4	7.1	6.4	6.4
-25°	15.9	10.1	8.6	8.4	7.2	6.4	6.4
-27.5°	16.4	10.3	8.6	8.4	7.2	6.4	6.4
-30°	16.4	10.3	8.6	8.4	7.2	6.4	6.4
-32.5°	16.0	10.2	8.7	8.4	7.2	6.4	6.4
-35°	15.7	10.0	8.8	8.4	7.2	6.4	6.4
-37.5°	15.4	9.7	8.9	8.5	7.2	6.4	6.4
-40°	14.8	9.8	8.9	8.5	7.2	6.4	6.4
-42.5°	14.0	9.9	9.0	8.6	7.1	6.4	6.4
-45°	12.9	9.9	9.0	8.6	7.0	6.4	6.4
-47.5°	11.5	9.8	9.0	8.6	7.0	6.4	6.4
-50°	11.2	9.8	8.9	8.4	6.9	6.4	6.4
-52.5°	11.0	9.7	8.9	8.2	6.8	6.4	6.4
-55°	10.8	9.5	8.8	8.1	6.7	6.4	6.4
-57.5°	10.6	9.4	8.7	7.9	6.5	6.4	6.4
-60°	10.2	9.2	8.6	7.7	6.4	6.4	6.4
-62.5°	9.9	9.0	8.4	7.5	6.4	6.4	6.4
-65°	9.5	8.7	8.2	7.3	6.4	6.4	6.4
-67.5°	9.1	8.5	8.0	7.1	6.4	6.4	6.4
-70°	8.7	8.4	7.8	6.9	6.4	6.4	6.4
-72.5°	8.6	8.3	7.6	6.8	6.4	6.4	6.4
-75°	8.6	8.1	7.5	6.8	6.4	6.4	6.4
-77.5°	8.5	8.0	7.3	6.7	6.4	6.4	6.4
-80°	8.6	7.8	7.1	6.7	6.4	6.4	6.4
-82.5°	8.1	7.5	7.0	6.6	6.4	6.4	6.4
-85°	7.5	7.1	6.8	6.5	6.4	6.4	6.4
-87.5°	7.0	6.8	6.6	6.5	6.4	6.4	6.4
-90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4

(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

