

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: P731454 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-2S-CV1**

Issue Date: 11/16/2023

Test Information

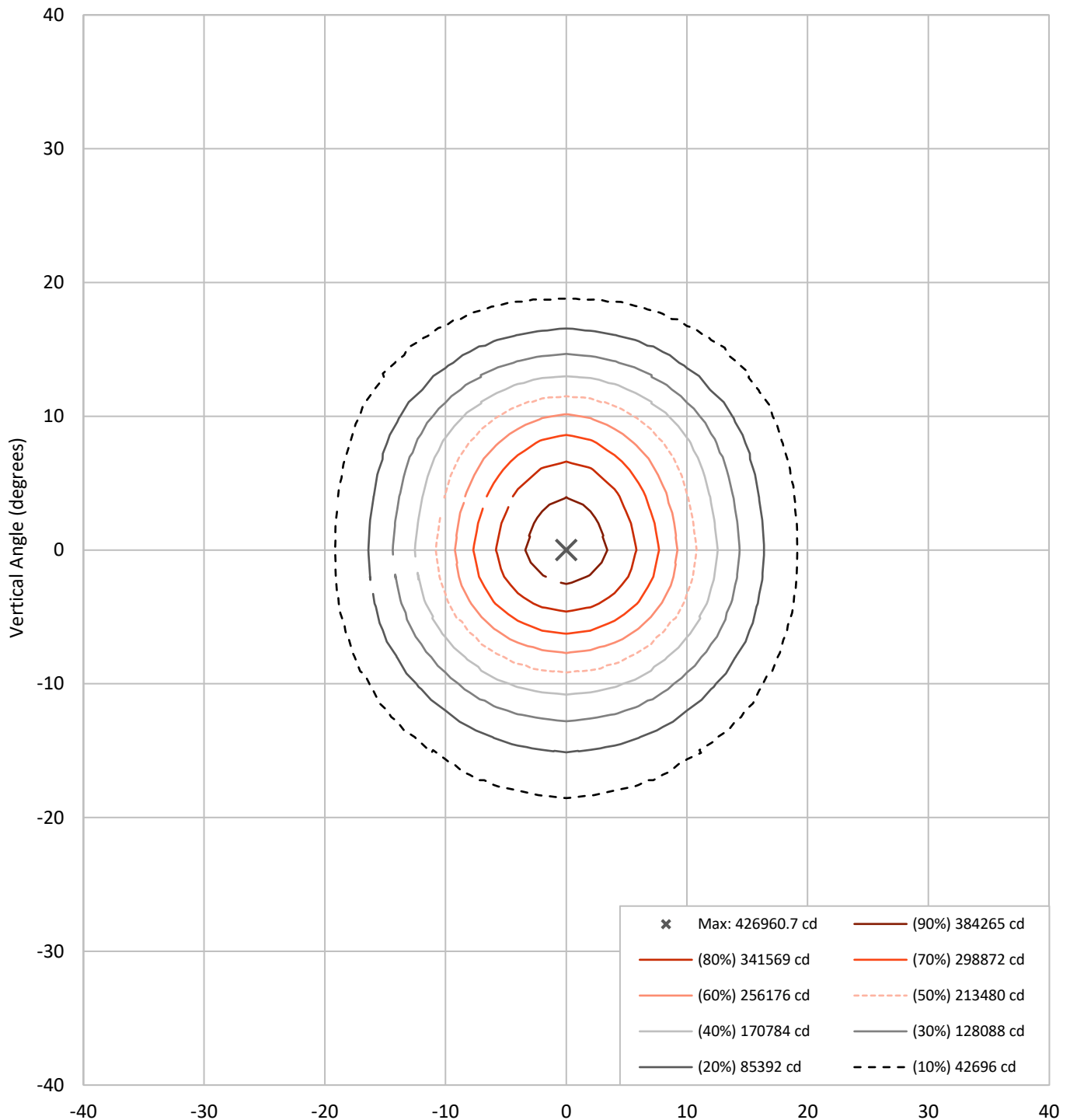
Test Method: LM-79-08
Report Number: P731454 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-70-2S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S 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:	69040 lumens	Max Intensity:	426960.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	32059 lumens	Field Lumens:	58364.8 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%
Input Watts (W):	561.4		
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





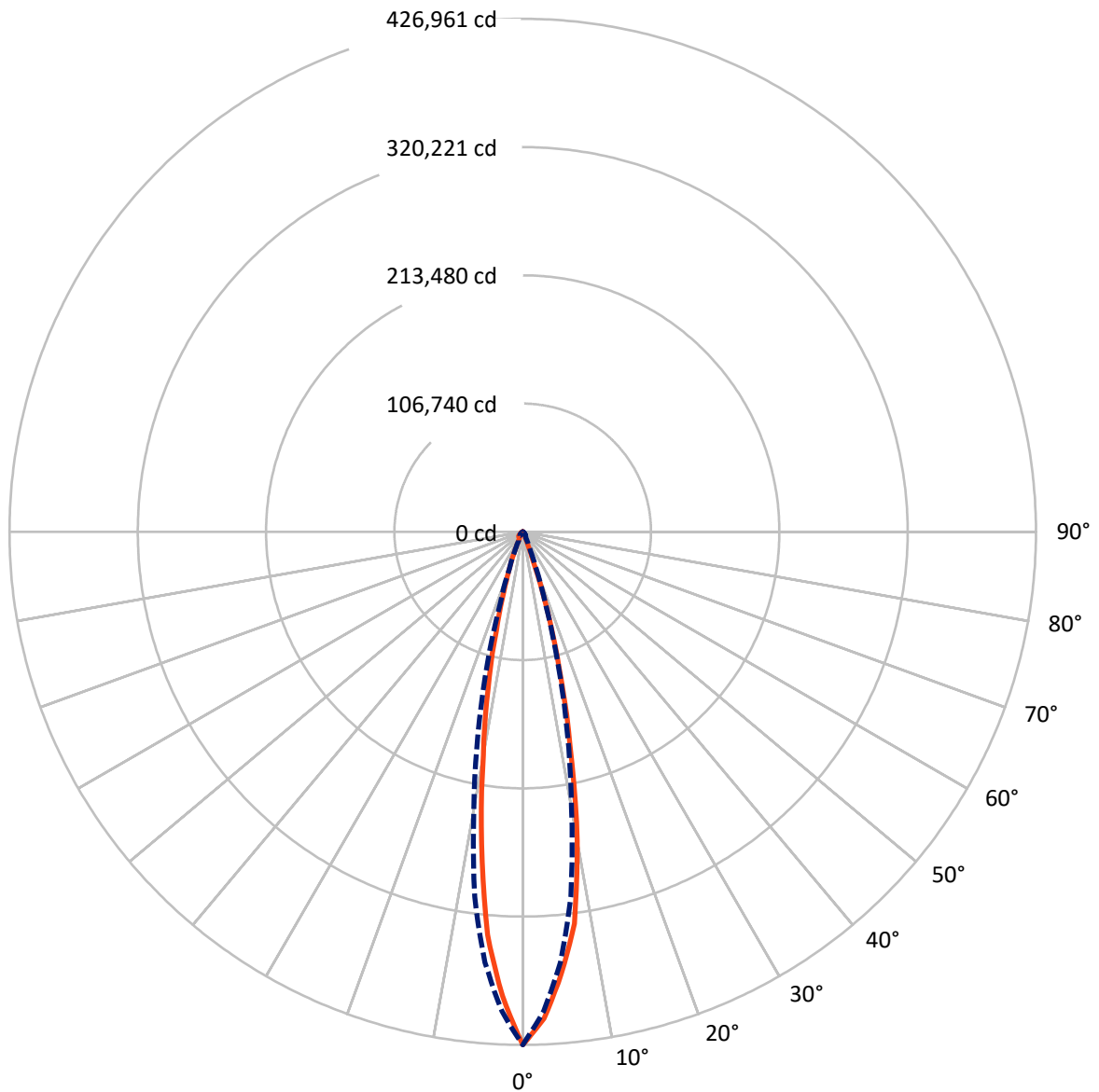
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Lumen Table

90																			
80	0.1	0.3		0.4		0.4		0.4		0.4		0.4		0.3		0.1			
70																			
60	0.1	0.1	0.2	0.6	0.7	0.4	0.2	0.2	0.2	0.2	0.4	0.7	0.6	0.2	0.1	0.1			
50		0.1	0.3	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.3	0.1				
40	0.2	0.2	0.4	0.4	0.5	0.9	1.6	1.0	1.0	1.6	0.9	0.5	0.4	0.4	0.2	0.2			
30		0.3	0.9	2.4	4.6	6.7	9.2	11.1	11.1	9.2	6.7	4.6	2.4	0.9	0.3				
20	0.2	0.5	4.4	13.9	33.0	50.1	86.7	164.4	164.4	86.7	50.1	33.0	13.9	4.4	0.5	0.2			
10		1.3	9.3	36.9	84.6	158.1	1032.9	3200.8	3200.8	1032.9	158.1	84.6	36.9	9.3	1.3				
0	0.3	2.0	12.0	49.5	100.5	316.8	3035.9	9098.8	9098.8	3035.9	316.8	100.5	49.5	12.0	2.0	0.3			
-10		2.5	12.9	49.7	100.2	302.0	2855.3	8275.2	8275.2	2855.3	302.0	100.2	49.7	12.9	2.5				
-20	0.5	3.0	12.3	39.7	84.7	146.9	839.9	2432.2	2432.2	839.9	146.9	84.7	39.7	12.3	3.0	0.5			
-30		3.0	11.6	28.2	75.9	113.4	172.2	332.9	332.9	172.2	113.4	75.9	28.2	11.6	3.0				
-40	0.5	2.6	10.0	21.2	53.0	110.1	143.0	159.8	159.8	143.0	110.1	53.0	21.2	10.0	2.6	0.5			
-50		1.9	7.5	17.4	31.3	53.1	90.7	120.9	120.9	90.7	53.1	31.3	17.4	7.5	1.9				
-60	0.3	0.9	4.5	11.5	22.3	33.8	44.0	49.8	49.8	44.0	33.8	22.3	11.5	4.5	0.9	0.3			
-70		0.4	1.5	4.7	9.8	15.7	21.6	25.1	25.1	21.6	15.7	9.8	4.7	1.5	0.4				
-80	0.2	1.1		3.3		7.7		10.4		7.7		3.3		1.1		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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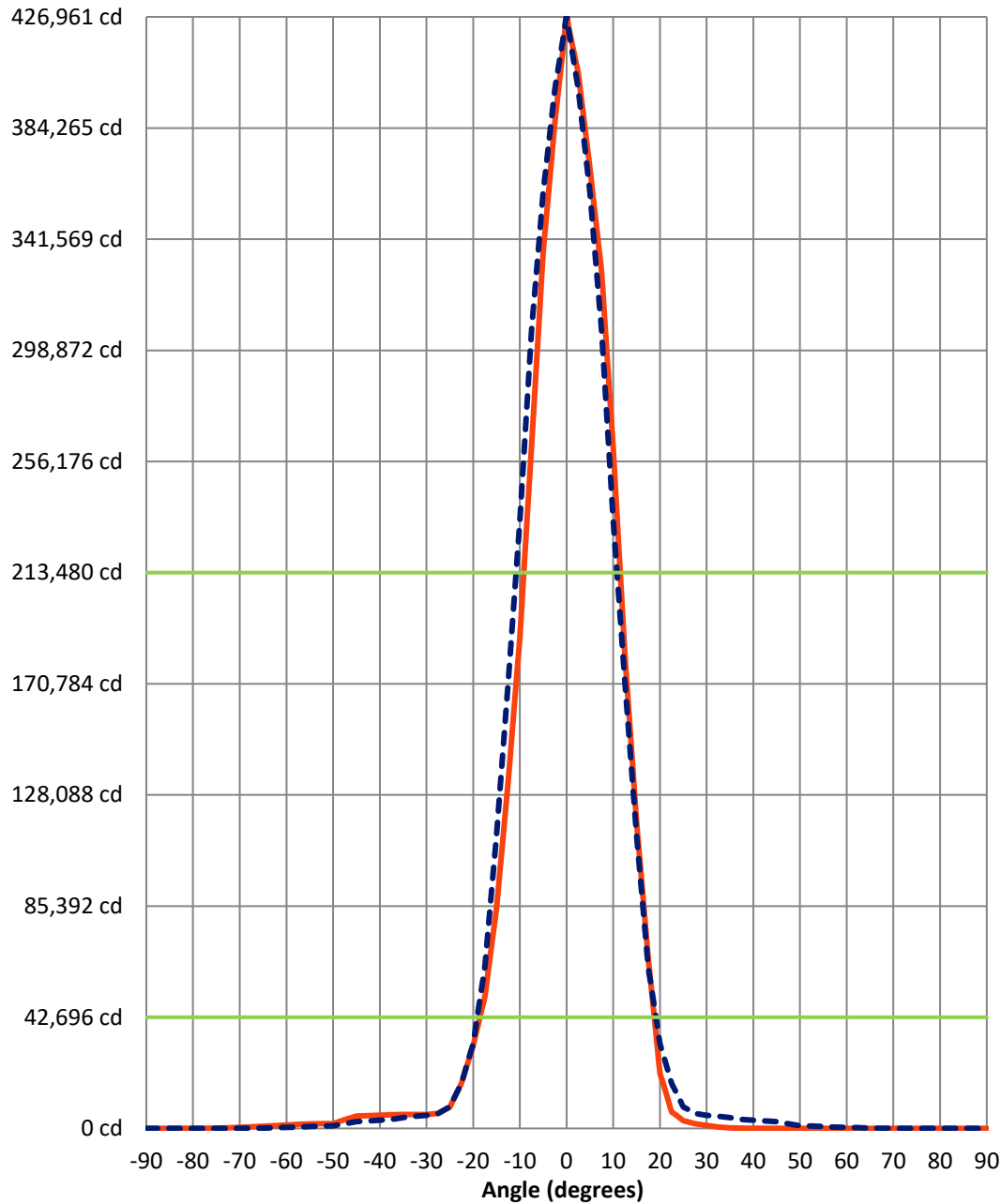
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.6°
 V Angle: 20.7°
 Lumens: 32059
 Efficiency: 46.4%

Field:
 H Angle: 38.3°
 V Angle: 37.3°
 Lumens: 58364.8
 Efficiency: 84.5%

Spill:
 Lumens: 10675.1
 Efficiency: 15.5%

— 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°	5.1	6.0	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.7	10.1
87.5°	5.1	5.1	5.1	4.7	4.4	4.1	3.8	3.8	3.7	3.6	3.4
85°	5.1	5.2	5.1	4.8	4.5	4.4	4.3	4.2	4.0	3.7	3.4
82.5°	5.1	5.2	5.1	4.8	4.7	4.7	4.7	4.6	4.3	4.0	3.9
80°	5.1	5.2	5.1	4.9	4.8	4.9	5.1	4.8	4.6	4.5	4.6
77.5°	5.1	5.3	5.1	5.0	5.0	5.1	5.1	4.9	4.9	5.0	5.1
75°	5.1	5.3	5.1	5.0	5.1	5.2	5.1	5.0	5.1	5.1	5.1
72.5°	5.1	5.4	5.1	5.1	5.3	5.4	5.2	5.1	5.1	5.1	5.1
70°	5.1	5.4	5.2	5.1	5.4	5.5	5.2	5.1	5.1	5.1	5.2
67.5°	5.1	5.4	5.2	5.3	5.6	5.6	5.3	5.1	5.1	5.4	5.3
65°	5.1	5.5	5.2	5.5	5.8	5.7	5.3	5.1	5.5	5.6	5.5
62.5°	5.1	5.5	5.3	5.6	6.0	5.8	5.4	5.4	5.9	5.9	5.5
60°	5.1	5.6	5.3	5.8	6.2	5.8	5.4	5.9	6.3	6.0	5.6
57.5°	5.1	5.6	5.5	6.0	6.2	5.8	5.8	6.3	6.4	6.1	6.1
55°	5.1	5.7	5.6	6.2	6.3	5.9	6.3	6.8	6.5	6.3	6.8
52.5°	5.1	5.7	5.7	6.4	6.3	6.0	6.7	7.0	6.6	6.9	7.5
50°	5.1	5.8	5.9	6.6	6.3	6.3	7.1	7.0	6.8	7.5	9.2
47.5°	5.1	5.8	6.0	6.7	6.4	6.7	7.5	7.1	7.4	8.2	10.8
45°	5.1	5.9	6.1	6.7	6.4	7.0	7.5	7.2	8.0	9.3	12.2
42.5°	5.1	5.9	6.2	6.8	6.5	7.3	7.6	7.6	8.6	10.3	14.0
40°	5.1	6.0	6.3	6.8	6.6	7.7	7.7	8.1	9.4	11.2	15.9
37.5°	5.1	6.0	6.4	6.9	6.9	8.0	7.8	8.7	10.3	12.6	17.6
35°	5.1	6.1	6.4	6.9	7.1	8.1	7.9	9.3	11.3	14.6	19.1
32.5°	5.1	6.1	6.5	7.0	7.4	8.2	8.1	10.0	12.2	16.7	21.2
30°	5.1	6.2	6.6	7.1	7.6	8.3	8.6	10.6	13.0	18.8	23.4
27.5°	5.1	6.3	6.6	7.1	7.8	8.4	9.1	11.3	14.2	20.9	25.8
25°	5.1	6.3	6.7	7.2	8.0	8.4	9.6	12.0	15.9	22.9	28.4
22.5°	5.1	6.4	6.7	7.4	8.1	8.5	10.0	12.7	17.6	25.0	33.0
20°	5.1	6.4	6.7	7.5	8.2	8.6	10.5	13.3	19.2	27.0	38.2
17.5°	5.1	6.5	6.8	7.6	8.3	8.8	11.0	13.9	20.8	29.1	43.8
15°	5.1	6.5	6.8	7.7	8.4	9.0	11.5	14.5	22.3	31.1	49.8
12.5°	5.1	6.6	6.8	7.9	8.4	9.1	11.9	15.0	23.5	33.1	56.0
10°	5.1	6.6	6.8	8.0	8.5	9.3	12.3	15.5	24.6	35.6	62.2
7.5°	5.1	6.7	6.8	8.1	8.5	9.5	12.6	15.9	25.4	38.3	68.5
5°	5.1	6.7	6.8	8.3	8.5	9.7	13.0	16.3	26.1	40.9	74.4
2.5°	5.1	6.8	6.8	8.4	8.5	9.9	13.3	16.6	26.6	43.4	79.8
0°	5.1	6.8	6.8	8.5	8.5	10.1	13.5	16.9	27.0	45.6	84.5
-2.5°	5.1	6.8	6.9	8.6	8.8	10.7	14.8	20.9	35.2	60.1	105.3
-5°	5.1	6.9	6.9	8.7	9.1	11.2	16.1	24.7	43.1	73.9	125.0
-7.5°	5.1	6.9	7.0	8.8	9.4	11.7	17.3	28.2	50.4	86.8	143.3
-10°	5.1	6.9	7.1	8.8	9.6	12.2	18.4	31.4	56.9	98.4	159.7
-12.5°	5.1	6.9	7.2	8.9	9.9	12.6	19.3	34.1	62.6	108.4	173.7
-15°	5.1	7.0	7.2	9.0	10.1	13.0	20.0	36.3	68.1	116.9	185.1
-17.5°	5.1	7.0	7.3	9.0	10.3	13.3	20.6	38.8	73.5	124.0	193.7
-20°	5.1	7.0	7.4	9.0	10.5	13.6	21.3	41.2	77.7	129.5	199.3



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.1	7.0	7.5	9.0	10.6	13.8	22.0	42.7	80.3	133.5	201.6
-25°	5.1	7.0	7.5	9.1	10.8	14.0	22.4	43.1	81.3	135.7	200.6
-27.5°	5.1	7.0	7.6	9.1	10.9	14.2	22.2	42.4	80.6	136.4	202.1
-30°	5.1	7.0	7.7	9.0	10.9	14.2	21.5	40.4	79.3	135.5	201.6
-32.5°	5.1	7.0	7.7	9.0	11.0	14.2	20.2	39.2	77.0	132.1	198.9
-35°	5.1	7.0	7.8	9.0	11.1	14.1	19.7	37.7	73.0	126.2	193.9
-37.5°	5.1	7.0	7.8	9.0	11.2	14.0	19.5	35.3	67.0	117.9	182.0
-40°	5.1	6.9	7.9	8.9	11.2	14.0	19.2	32.1	59.3	109.0	167.1
-42.5°	5.1	6.9	8.0	8.9	11.2	14.0	18.7	27.9	53.1	96.6	149.9
-45°	5.1	6.9	8.0	8.9	11.2	14.0	18.0	24.8	47.4	82.3	130.9
-47.5°	5.1	6.9	8.1	8.8	11.1	13.9	17.2	23.8	40.4	66.7	113.0
-50°	5.1	6.8	8.1	8.9	11.0	13.7	16.9	22.6	32.1	57.1	93.2
-52.5°	5.1	6.8	8.1	8.9	10.9	13.6	16.7	21.2	28.1	46.6	72.7
-55°	5.1	6.8	8.2	9.0	10.7	13.3	16.3	19.8	26.1	35.3	59.7
-57.5°	5.1	6.7	8.2	9.0	10.5	13.0	16.0	19.3	23.8	30.5	45.7
-60°	5.1	6.7	8.3	9.0	10.3	12.7	15.5	18.6	21.7	27.6	34.5
-62.5°	5.1	6.6	8.2	9.0	10.2	12.4	15.0	17.9	20.8	24.5	30.8
-65°	5.1	6.6	8.1	9.0	10.1	12.0	14.4	17.1	19.8	22.8	26.9
-67.5°	5.1	6.5	8.0	8.9	9.9	11.6	13.8	16.2	18.8	21.5	24.6
-70°	5.1	6.5	7.9	8.8	9.7	11.2	13.2	15.3	17.6	20.1	22.9
-72.5°	5.1	6.4	7.7	8.7	9.5	10.8	12.5	14.4	16.4	18.6	21.1
-75°	5.1	6.4	7.6	8.5	9.3	10.3	11.8	13.4	15.1	17.1	19.2
-77.5°	5.1	6.3	7.5	8.3	9.0	9.8	11.0	12.5	14.0	15.5	17.2
-80°	5.1	6.2	7.4	8.1	8.8	9.4	10.2	11.5	12.9	14.3	15.7
-82.5°	5.1	6.2	7.2	7.9	8.5	9.1	9.7	10.7	11.8	13.1	14.3
-85°	5.1	6.1	7.1	7.7	8.2	8.8	9.3	10.1	11.0	11.9	12.9
-87.5°	5.1	6.0	6.9	7.4	7.9	8.4	8.9	9.5	10.2	10.8	11.5
-90°	5.1	5.1	5.1	4.7	4.3	3.8	3.4	3.4	3.4	3.4	3.4



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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°	10.1	10.1	10.1	10.1	10.5	11.0	11.4	11.8	12.2	12.7	13.1
87.5°	3.2	3.0	2.8	2.7	2.5	2.2	2.0	1.7	1.7	1.7	1.7
85°	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.7	1.7	1.7
82.5°	3.9	3.8	3.7	3.4	3.0	2.6	2.2	1.9	2.0	2.0	1.9
80°	4.5	4.3	3.9	3.5	3.2	3.1	3.0	3.1	3.0	2.7	2.5
77.5°	4.8	4.4	3.9	3.5	3.4	3.7	4.0	4.3	4.2	4.1	3.9
75°	4.8	4.4	4.2	4.2	4.5	4.8	5.1	5.1	4.9	4.8	4.8
72.5°	4.9	4.7	4.8	5.1	5.1	5.1	5.1	5.1	6.5	8.4	9.6
70°	5.0	5.1	5.1	5.1	5.1	5.6	7.9	11.3	14.7	16.5	18.3
67.5°	5.1	5.1	5.1	5.3	6.5	9.1	12.9	20.1	27.9	29.8	29.6
65°	5.1	5.1	5.7	6.9	8.3	14.6	22.5	31.6	38.4	37.4	35.0
62.5°	5.1	5.8	6.9	9.4	14.4	21.9	29.1	35.6	42.2	41.0	35.3
60°	5.8	6.7	9.5	14.4	19.9	25.3	32.1	36.4	40.7	41.7	31.9
57.5°	6.6	8.6	13.3	18.5	23.2	27.1	29.7	33.5	34.9	33.9	24.8
55°	8.0	11.4	16.5	21.4	24.7	23.7	25.4	26.5	26.0	24.0	17.6
52.5°	10.3	14.0	19.1	23.2	23.6	21.4	20.0	20.2	18.6	15.8	13.7
50°	12.4	16.7	21.3	23.7	22.6	19.2	16.0	15.4	14.4	13.0	11.8
47.5°	14.7	19.3	22.9	24.2	20.9	17.9	14.7	13.7	12.9	13.3	12.6
45°	16.9	21.3	24.9	22.9	20.0	17.5	16.3	13.5	15.2	16.2	16.8
42.5°	19.1	23.0	24.5	21.8	20.2	20.2	19.9	19.3	20.2	24.3	26.7
40°	20.7	24.6	24.5	24.0	22.2	25.4	28.6	31.1	31.3	36.7	41.0
37.5°	22.1	25.2	26.6	30.0	28.5	34.5	39.8	61.0	61.8	51.1	69.3
35°	23.4	26.5	35.0	44.6	48.4	47.1	76.9	104.8	111.6	100.4	119.1
32.5°	24.8	28.4	46.4	68.9	89.3	90.7	124.9	169.1	192.4	200.2	210.6
30°	27.5	39.0	64.0	99.5	148.5	188.6	204.9	252.5	295.4	381.4	441.6
27.5°	32.3	52.8	93.4	154.2	229.4	305.1	331.0	364.1	476.6	629.0	779.7
25°	38.3	82.0	126.9	226.6	341.5	425.6	458.6	503.1	715.8	1010.2	1183.3
22.5°	53.5	119.6	177.6	310.0	465.9	542.9	586.1	746.3	1071.6	1462.5	1637.9
20°	81.0	164.3	239.2	379.8	590.8	659.5	707.8	1041.2	1514.6	1886.1	2161.2
17.5°	112.8	209.2	300.5	453.2	644.9	748.2	849.4	1366.7	1978.9	2305.5	2629.5
15°	147.7	253.8	353.6	518.5	693.9	801.4	1067.0	1735.0	2398.7	2717.3	3040.5
12.5°	184.7	297.8	399.2	575.9	742.2	851.0	1264.7	1997.7	2623.0	3042.1	3430.0
10°	222.5	340.6	438.1	625.5	789.1	896.9	1449.6	2220.9	2741.9	3114.7	3554.1
7.5°	248.1	368.6	468.4	667.4	833.5	939.1	1617.1	2405.0	2822.6	3151.2	3541.6
5°	268.3	379.2	480.0	697.3	870.1	972.4	1749.1	2550.5	2871.6	3156.8	3476.2
2.5°	284.3	386.3	489.1	720.5	899.4	993.7	1792.9	2595.3	2881.4	3156.6	3444.8
0°	295.9	390.5	495.4	737.1	923.1	1011.0	1802.2	2605.2	2874.1	3149.6	3457.3
-2.5°	306.4	402.5	514.8	751.2	924.1	1012.9	1793.3	2593.7	2906.5	3225.9	3593.4
-5°	312.8	412.2	530.8	758.4	920.5	1011.7	1752.5	2547.4	2903.1	3227.2	3615.9
-7.5°	315.8	419.5	542.6	757.5	907.8	998.0	1644.1	2399.5	2789.0	3094.3	3501.8
-10°	316.9	428.5	550.3	741.5	884.0	975.0	1504.3	2223.9	2662.9	2948.8	3344.2
-12.5°	319.7	438.8	555.2	723.4	860.5	948.8	1346.2	2024.5	2526.1	2792.8	3164.3
-15°	319.5	446.7	557.7	704.7	838.6	919.5	1173.5	1804.3	2424.4	2763.2	3066.7
-17.5°	316.6	452.2	557.9	686.7	819.6	887.2	995.9	1609.9	2340.3	2751.0	3045.5
-20°	311.1	455.4	556.2	670.8	802.0	873.5	962.0	1421.5	2116.5	2707.7	3037.1



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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°	303.2	456.3	554.3	662.7	788.2	877.9	953.8	1215.0	1820.9	2635.7	2980.5
-25°	299.0	442.9	552.0	653.3	773.4	883.2	945.3	1024.7	1528.9	2274.0	2847.8
-27.5°	296.7	427.5	539.4	637.7	754.6	881.8	946.0	1013.2	1281.9	1860.9	2642.8
-30°	289.7	402.0	522.3	617.2	732.5	856.9	952.2	1004.9	1080.3	1529.4	2167.5
-32.5°	275.3	375.2	494.3	595.0	703.5	827.9	945.7	1004.6	1069.1	1202.3	1717.2
-35°	260.0	354.3	462.1	567.4	667.9	788.6	903.9	1002.5	1058.2	1127.1	1357.3
-37.5°	247.8	330.7	429.2	533.6	632.8	741.3	857.5	966.4	1049.8	1119.3	1207.0
-40°	232.6	304.5	399.1	497.1	594.0	694.4	803.0	912.7	1017.9	1123.3	1203.3
-42.5°	214.2	284.1	367.7	459.8	552.7	649.1	746.1	851.9	974.6	1107.4	1210.0
-45°	192.4	260.4	334.9	420.1	507.5	600.2	694.0	789.5	918.9	1055.4	1184.1
-47.5°	167.8	233.1	304.1	377.5	460.0	546.4	637.7	737.7	851.2	981.5	1121.6
-50°	141.9	202.4	268.7	336.8	410.4	490.3	574.7	675.7	782.5	896.6	1023.2
-52.5°	117.4	168.8	230.1	295.1	361.8	433.3	512.4	602.8	703.0	809.2	915.5
-55°	90.9	137.1	188.3	249.2	313.1	377.5	446.7	526.9	613.9	710.9	806.1
-57.5°	70.5	104.3	148.4	199.3	258.9	321.3	382.5	447.7	523.9	606.5	686.8
-60°	53.3	76.6	109.1	152.1	199.9	256.1	314.9	374.2	435.6	497.0	565.4
-62.5°	37.8	55.7	77.3	105.8	146.6	188.4	237.5	292.2	350.0	402.7	453.2
-65°	33.1	38.4	53.1	73.1	94.2	128.7	165.9	204.1	251.9	299.2	347.3
-67.5°	28.1	33.0	37.7	45.3	63.5	81.5	99.5	132.0	165.1	195.3	227.5
-70°	25.5	27.8	31.8	36.1	40.3	47.8	63.5	79.0	94.2	112.1	137.6
-72.5°	23.2	25.2	27.4	29.8	33.4	37.1	40.6	44.1	53.1	65.5	77.1
-75°	21.0	22.6	24.3	26.3	28.3	30.5	32.9	36.0	38.9	41.7	44.5
-77.5°	18.7	20.1	21.5	22.8	24.2	25.9	27.7	29.6	31.3	32.9	34.5
-80°	16.7	17.7	18.8	20.0	20.9	21.9	23.0	24.1	25.0	25.9	27.0
-82.5°	14.9	15.6	16.3	17.1	17.8	18.3	18.7	19.4	20.3	21.2	21.9
-85°	13.2	13.5	13.8	14.2	14.9	15.5	16.1	16.6	17.0	17.4	17.9
-87.5°	11.7	11.8	11.9	12.0	12.6	13.1	13.7	14.2	14.4	14.6	14.8
-90°	3.0	2.6	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.5	13.5	13.5	13.5	13.5	13.9	14.4	14.8	15.2	15.2	15.2
87.5°	1.7	1.6	1.6	1.6	1.5	1.2	0.8	0.4	0.0	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	2.2	2.2	2.1	2.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	3.6	3.4	3.0	2.4	1.8	1.7	1.7	1.7	1.7	1.7	1.7
75°	4.9	4.8	4.7	4.2	3.5	3.4	3.4	3.3	3.1	3.2	3.2
72.5°	10.3	10.2	9.6	8.8	7.6	7.0	6.9	6.6	6.2	5.9	5.7
70°	18.7	18.1	17.0	15.1	12.6	10.8	9.9	8.7	7.3	6.7	6.7
67.5°	26.9	24.1	21.8	19.2	15.8	13.0	11.4	10.0	8.6	7.9	7.6
65°	31.1	24.8	20.7	17.4	15.0	12.6	10.9	9.4	8.0	7.2	7.0
62.5°	28.6	20.7	16.4	13.7	11.5	9.9	8.7	7.6	6.4	5.7	5.9
60°	23.3	15.9	12.2	10.7	9.5	8.6	7.5	6.5	5.6	5.2	5.7
57.5°	17.8	12.7	10.0	9.4	8.5	7.3	6.6	6.3	6.2	6.2	6.5
55°	13.3	11.2	10.1	9.0	7.9	7.2	6.9	7.1	7.0	6.8	6.8
52.5°	11.3	10.4	9.2	8.2	8.0	8.1	8.4	8.0	7.9	7.8	8.0
50°	11.1	10.2	9.3	8.5	8.8	8.8	8.6	8.9	9.3	9.5	9.6
47.5°	12.0	11.3	11.9	10.0	10.4	11.7	11.7	11.9	13.4	14.1	14.4
45°	15.7	19.2	19.2	17.7	17.1	24.7	25.2	21.1	34.4	33.0	23.2
42.5°	29.1	30.9	31.0	38.8	52.5	59.8	79.4	110.4	103.4	80.3	48.6
40°	48.2	45.9	55.9	71.7	87.7	106.5	133.2	186.1	177.2	141.8	155.9
37.5°	83.3	83.3	88.1	110.1	116.3	100.1	142.3	137.5	109.5	154.1	163.0
35°	152.3	167.6	142.2	176.4	180.9	166.4	174.6	192.9	166.9	199.7	213.7
32.5°	273.5	301.8	305.5	313.8	339.0	358.3	352.9	397.9	400.2	442.7	500.9
30°	437.2	495.8	556.5	565.9	597.3	648.2	673.9	764.5	860.6	923.5	1039.1
27.5°	768.4	782.8	904.9	1001.1	962.8	1039.1	1230.0	1340.7	1524.3	1633.7	1750.1
25°	1234.1	1273.9	1446.0	1623.2	1646.8	1716.5	1993.8	2152.1	2341.4	2451.9	2691.8
22.5°	1825.1	1996.9	2186.3	2419.4	2515.0	2678.7	2948.4	3180.5	3574.7	4062.6	5113.8
20°	2483.5	2741.7	2996.3	3201.0	3398.2	3658.6	3986.6	5106.8	6434.4	10433.9	13193.4
17.5°	3046.9	3469.8	3713.1	3911.4	4158.9	4661.1	5963.3	9264.6	15630.9	24535.4	32686.3
15°	3485.0	3879.9	4271.2	4519.7	4906.4	6018.3	8667.8	16764.2	29956.0	44987.6	63177.2
12.5°	3832.3	4160.3	4488.9	4854.5	5569.3	7736.2	14476.9	26980.3	46163.5	70461.2	102708.2
10°	4019.9	4348.0	4665.2	5185.7	6508.7	10454.5	19901.3	36390.5	66498.3	104445.8	145542.3
7.5°	4018.6	4418.6	4810.8	5445.7	7466.2	13702.8	26291.2	48604.2	84216.6	131792.0	184700.0
5°	4016.5	4500.4	4911.3	5627.9	8065.0	15919.4	30257.4	55368.3	98643.8	152332.7	208984.2
2.5°	4055.4	4588.1	4976.2	5747.8	8342.5	17108.9	32457.6	60710.9	108730.2	164024.1	224560.7
0°	4147.1	4666.1	5014.4	5759.9	8309.4	17354.2	32713.5	62003.4	112612.1	171356.9	233477.8
-2.5°	4298.7	4654.9	4992.8	5711.2	8198.6	16848.0	32115.8	60875.9	108114.0	163197.2	223318.8
-5°	4207.4	4495.0	4794.0	5440.4	7654.9	15073.4	28929.2	54474.0	94820.5	144285.5	195788.0
-7.5°	3973.1	4264.5	4541.4	5098.9	6871.1	12439.0	23664.4	43760.3	75273.6	113796.7	154248.5
-10°	3759.4	4020.8	4281.5	4727.5	5871.0	9123.6	16934.0	30969.9	54958.4	83998.0	114911.6
-12.5°	3594.9	3814.5	4015.3	4314.1	4950.1	6766.7	12319.7	22737.0	36905.6	55393.7	78017.9
-15°	3450.1	3620.8	3768.6	4056.2	4528.8	5477.9	7676.5	13627.8	22456.3	34105.8	46459.3
-17.5°	3316.2	3479.9	3654.4	3873.5	4171.1	4626.8	5889.7	8393.0	13486.3	21096.1	28381.8
-20°	3247.7	3448.1	3598.0	3769.4	4022.1	4372.2	4816.0	6057.7	8157.0	12833.8	17571.0



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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°	3193.7	3384.8	3555.9	3754.8	4014.2	4290.5	4530.0	4909.3	5899.7	7368.5	9814.0
-25°	3127.9	3316.3	3569.3	3858.8	4081.6	4290.6	4412.1	4491.2	4916.2	5336.1	6272.3
-27.5°	3003.0	3301.5	3673.1	3985.7	4225.5	4355.1	4453.0	4517.1	4771.9	5022.2	5294.6
-30°	2891.4	3349.0	3750.2	4113.6	4322.4	4480.7	4608.4	4723.9	4900.0	5112.0	5211.1
-32.5°	2495.1	3336.1	3782.4	4116.9	4331.4	4518.3	4715.0	4821.7	4976.9	5132.1	5257.3
-35°	1959.8	2814.4	3747.5	3939.1	4152.0	4395.7	4632.0	4783.9	4941.8	5101.7	5249.1
-37.5°	1468.1	2107.3	2864.0	3556.1	3841.8	4091.3	4381.3	4615.2	4821.9	4996.3	5164.2
-40°	1286.8	1460.3	2016.9	2566.6	3150.5	3686.2	3972.9	4286.1	4597.1	4812.5	5004.1
-42.5°	1284.8	1351.2	1408.1	1776.5	2225.7	2686.5	3174.1	3628.6	4134.6	4489.3	4758.4
-45°	1293.0	1344.7	1397.7	1451.1	1500.1	1839.1	2194.7	2555.3	3083.3	3607.6	4060.8
-47.5°	1231.5	1331.3	1394.7	1445.9	1494.4	1542.0	1588.5	1685.7	2023.3	2380.6	2707.2
-50°	1133.9	1236.7	1331.2	1426.0	1481.6	1528.6	1579.2	1634.7	1688.8	1743.7	1780.2
-52.5°	1014.2	1115.4	1213.6	1303.6	1384.6	1464.2	1543.7	1608.3	1666.0	1722.2	1750.2
-55°	899.7	990.7	1080.3	1159.4	1238.4	1316.9	1396.1	1474.7	1552.9	1629.7	1668.9
-57.5°	772.6	861.1	945.4	1012.0	1079.0	1146.0	1217.8	1291.8	1363.1	1428.4	1462.8
-60°	637.8	713.6	785.8	850.5	913.3	973.7	1034.6	1096.3	1156.7	1209.8	1241.0
-62.5°	503.7	562.2	622.4	678.7	732.3	783.9	839.4	892.5	942.7	985.0	1014.5
-65°	394.3	438.1	476.6	515.6	555.3	600.6	646.4	689.8	730.3	763.9	789.0
-67.5°	267.8	308.0	343.3	376.5	406.9	437.8	470.6	502.2	532.1	556.8	576.3
-70°	161.9	184.5	204.7	227.0	253.6	279.6	305.6	329.6	351.5	369.4	383.6
-72.5°	88.0	97.5	107.8	123.9	138.7	153.5	168.1	181.5	193.6	204.3	213.7
-75°	47.3	51.4	58.8	65.5	71.5	77.4	83.2	88.6	93.3	97.3	100.5
-77.5°	36.5	38.5	40.3	41.9	43.4	44.7	45.9	47.2	48.3	49.5	50.5
-80°	28.1	29.5	30.8	32.1	33.3	34.2	34.9	35.5	36.0	36.7	37.5
-82.5°	22.6	23.2	23.8	24.4	25.1	25.8	26.5	27.1	27.8	28.1	28.3
-85°	18.4	18.7	18.9	19.1	19.3	19.6	19.8	19.9	20.1	20.1	20.2
-87.5°	14.9	14.9	15.0	15.0	15.0	15.5	15.9	16.4	16.8	16.9	16.9
-90°	1.7	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731454 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	14.8
87.5°	0.0	0.0	0.8	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.4
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.2	3.1	3.3
72.5°	5.5	5.1	5.1	5.1	5.1	5.1	5.5	5.7	5.9	6.2	6.6
70°	6.7	6.7	6.8	6.8	6.8	6.7	6.7	6.7	6.7	7.3	8.7
67.5°	7.3	6.9	6.0	5.1	6.0	6.9	7.3	7.6	7.9	8.6	10.0
65°	6.9	6.8	6.0	5.1	6.0	6.8	6.9	7.0	7.2	8.0	9.4
62.5°	6.3	6.7	6.1	5.1	6.1	6.7	6.3	5.9	5.7	6.4	7.6
60°	6.2	6.7	6.8	6.8	6.8	6.7	6.2	5.7	5.2	5.6	6.5
57.5°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.5	6.2	6.2	6.3
55°	6.8	6.8	7.5	8.5	7.5	6.8	6.8	6.8	6.8	7.0	7.1
52.5°	8.2	8.4	8.5	8.5	8.5	8.4	8.2	8.0	7.8	7.9	8.0
50°	9.8	10.0	10.1	10.1	10.1	10.0	9.8	9.6	9.5	9.3	8.9
47.5°	14.3	13.8	13.4	13.5	13.4	13.8	14.3	14.4	14.1	13.4	11.9
45°	23.5	23.5	23.5	23.7	23.5	23.5	23.5	23.2	33.0	34.4	21.1
42.5°	47.3	42.6	39.0	40.6	39.0	42.6	47.3	48.6	80.3	103.4	110.4
40°	139.1	95.6	55.4	55.8	55.4	95.6	139.1	155.9	141.8	177.2	186.1
37.5°	130.0	104.9	94.7	93.0	94.7	104.9	130.0	163.0	154.1	109.5	137.5
35°	214.5	213.2	203.8	202.9	203.8	213.2	214.5	213.7	199.7	166.9	192.9
32.5°	523.3	544.8	537.9	529.2	537.9	544.8	523.3	500.9	442.7	400.2	397.9
30°	1094.0	1141.6	1131.9	1158.1	1131.9	1141.6	1094.0	1039.1	923.5	860.6	764.5
27.5°	1814.5	1845.6	1813.4	1803.9	1813.4	1845.6	1814.5	1750.1	1633.7	1524.3	1340.7
25°	2855.7	2916.1	2944.0	3000.8	2944.0	2916.1	2855.7	2691.8	2451.9	2341.4	2152.1
22.5°	6420.7	6794.8	6602.7	6431.1	6602.7	6794.8	6420.7	5113.8	4062.6	3574.7	3180.5
20°	18842.9	22170.9	21925.6	21487.8	21925.6	22170.9	18842.9	13193.4	10433.9	6434.4	5106.8
17.5°	45435.8	55660.1	62027.3	65377.9	62027.3	55660.1	45435.8	32686.3	24535.4	15630.9	9264.6
15°	84764.2	101961.4	112058.6	117785.4	112058.6	101961.4	84764.2	63177.2	44987.6	29956.0	16764.2
12.5°	133709.8	160663.9	178545.5	181963.8	178545.5	160663.9	133709.8	102708.2	70461.2	46163.5	26980.3
10°	187605.5	222127.6	250598.7	260982.5	250598.7	222127.6	187605.5	145542.3	104445.8	66498.3	36390.5
7.5°	233634.2	277688.3	315493.9	328940.3	315493.9	277688.3	233634.2	184700.0	131792.0	84216.6	48604.2
5°	267104.3	325543.8	359764.3	368997.8	359764.3	325543.8	267104.3	208984.2	152332.7	98643.8	55368.3
2.5°	294349.2	349822.8	386511.7	405428.1	386511.7	349822.8	294349.2	224560.7	164024.1	108730.2	60710.9
0°	306328.3	359638.5	399207.5	426960.7	399207.5	359638.5	306328.3	233477.8	171356.9	112612.1	62003.4
-2.5°	291606.9	346124.1	374271.5	386435.7	374271.5	346124.1	291606.9	223318.8	163197.2	108114.0	60875.9
-5°	247926.9	299319.2	327609.3	336597.1	327609.3	299319.2	247926.9	195788.0	144285.5	94820.5	54474.0
-7.5°	193393.3	228997.9	253405.8	261912.4	253405.8	228997.9	193393.3	154248.5	113796.7	75273.6	43760.3
-10°	145620.9	171155.6	184235.4	188656.1	184235.4	171155.6	145620.9	114911.6	83998.0	54958.4	30969.9
-12.5°	99991.2	119213.8	127668.7	133223.2	127668.7	119213.8	99991.2	78017.9	55393.7	36905.6	22737.0
-15°	61507.3	74039.0	80696.6	84497.1	80696.6	74039.0	61507.3	46459.3	34105.8	22456.3	13627.8
-17.5°	37368.9	44180.8	48592.8	50591.8	48592.8	44180.8	37368.9	28381.8	21096.1	13486.3	8393.0
-20°	23199.6	27735.1	30311.2	31788.7	30311.2	27735.1	23199.6	17571.0	12833.8	8157.0	6057.7



REPORT NUMBER: P731454 (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°	13032.8	15521.5	16916.9	17403.2	16916.9	15521.5	13032.8	9814.0	7368.5	5899.7	4909.3
-25°	7247.4	7880.9	8158.0	8223.2	8158.0	7880.9	7247.4	6272.3	5336.1	4916.2	4491.2
-27.5°	5530.7	5665.8	5751.4	5776.8	5751.4	5665.8	5530.7	5294.6	5022.2	4771.9	4517.1
-30°	5305.2	5319.4	5342.9	5339.0	5342.9	5319.4	5305.2	5211.1	5112.0	4900.0	4723.9
-32.5°	5345.5	5350.7	5355.4	5347.4	5355.4	5350.7	5345.5	5257.3	5132.1	4976.9	4821.7
-35°	5329.6	5344.9	5356.9	5362.6	5356.9	5344.9	5329.6	5249.1	5101.7	4941.8	4783.9
-37.5°	5231.0	5252.0	5262.4	5252.8	5262.4	5252.0	5231.0	5164.2	4996.3	4821.9	4615.2
-40°	5050.1	5065.3	5066.3	5058.3	5066.3	5065.3	5050.1	5004.1	4812.5	4597.1	4286.1
-42.5°	4840.4	4893.7	4918.9	4919.7	4918.9	4893.7	4840.4	4758.4	4489.3	4134.6	3628.6
-45°	4348.1	4570.9	4703.1	4735.4	4703.1	4570.9	4348.1	4060.8	3607.6	3083.3	2555.3
-47.5°	2968.2	3189.6	3333.6	3388.0	3333.6	3189.6	2968.2	2707.2	2380.6	2023.3	1685.7
-50°	1806.7	1833.5	1845.3	1842.8	1845.3	1833.5	1806.7	1780.2	1743.7	1688.8	1634.7
-52.5°	1771.7	1792.9	1806.0	1812.3	1806.0	1792.9	1771.7	1750.2	1722.2	1666.0	1608.3
-55°	1701.2	1727.8	1741.4	1744.7	1741.4	1727.8	1701.2	1668.9	1629.7	1552.9	1474.7
-57.5°	1491.7	1514.9	1528.1	1533.4	1528.1	1514.9	1491.7	1462.8	1428.4	1363.1	1291.8
-60°	1266.2	1285.6	1294.1	1295.0	1294.1	1285.6	1266.2	1241.0	1209.8	1156.7	1096.3
-62.5°	1038.9	1058.2	1064.6	1063.4	1064.6	1058.2	1038.9	1014.5	985.0	942.7	892.5
-65°	810.0	826.8	830.1	826.7	830.1	826.8	810.0	789.0	763.9	730.3	689.8
-67.5°	592.6	605.7	609.5	608.6	609.5	605.7	592.6	576.3	556.8	532.1	502.2
-70°	394.9	403.3	403.0	399.0	403.0	403.3	394.9	383.6	369.4	351.5	329.6
-72.5°	221.6	228.0	233.2	236.7	233.2	228.0	221.6	213.7	204.3	193.6	181.5
-75°	103.2	105.2	107.8	109.9	107.8	105.2	103.2	100.5	97.3	93.3	88.6
-77.5°	51.4	52.1	53.2	54.1	53.2	52.1	51.4	50.5	49.5	48.3	47.2
-80°	38.1	38.7	38.9	38.9	38.9	38.7	38.1	37.5	36.7	36.0	35.5
-82.5°	28.5	28.6	28.7	28.7	28.7	28.6	28.5	28.3	28.1	27.8	27.1
-85°	20.2	20.3	21.1	22.0	21.1	20.3	20.2	20.2	20.1	20.1	19.9
-87.5°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.8	16.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.4	13.9	13.5	13.5	13.5	13.5	13.5	13.1	12.7	12.2	11.8
87.5°	0.8	1.2	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
85°	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9	2.0	2.0	1.9
80°	1.7	1.7	1.7	2.0	2.1	2.2	2.2	2.5	2.7	3.0	3.1
77.5°	1.7	1.7	1.8	2.4	3.0	3.4	3.6	3.9	4.1	4.2	4.3
75°	3.4	3.4	3.5	4.2	4.7	4.8	4.9	4.8	4.8	4.9	5.1
72.5°	6.9	7.0	7.6	8.8	9.6	10.2	10.3	9.6	8.4	6.5	5.1
70°	9.9	10.8	12.6	15.1	17.0	18.1	18.7	18.3	16.5	14.7	11.3
67.5°	11.4	13.0	15.8	19.2	21.8	24.1	26.9	29.6	29.8	27.9	20.1
65°	10.9	12.6	15.0	17.4	20.7	24.8	31.1	35.0	37.4	38.4	31.6
62.5°	8.7	9.9	11.5	13.7	16.4	20.7	28.6	35.3	41.0	42.2	35.6
60°	7.5	8.6	9.5	10.7	12.2	15.9	23.3	31.9	41.7	40.7	36.4
57.5°	6.6	7.3	8.5	9.4	10.0	12.7	17.8	24.8	33.9	34.9	33.5
55°	6.9	7.2	7.9	9.0	10.1	11.2	13.3	17.6	24.0	26.0	26.5
52.5°	8.4	8.1	8.0	8.2	9.2	10.4	11.3	13.7	15.8	18.6	20.2
50°	8.6	8.8	8.8	8.5	9.3	10.2	11.1	11.8	13.0	14.4	15.4
47.5°	11.7	11.7	10.4	10.0	11.9	11.3	12.0	12.6	13.3	12.9	13.7
45°	25.2	24.7	17.1	17.7	19.2	19.2	15.7	16.8	16.2	15.2	13.5
42.5°	79.4	59.8	52.5	38.8	31.0	30.9	29.1	26.7	24.3	20.2	19.3
40°	133.2	106.5	87.7	71.7	55.9	45.9	48.2	41.0	36.7	31.3	31.1
37.5°	142.3	100.1	116.3	110.1	88.1	83.3	83.3	69.3	51.1	61.8	61.0
35°	174.6	166.4	180.9	176.4	142.2	167.6	152.3	119.1	100.4	111.6	104.8
32.5°	352.9	358.3	339.0	313.8	305.5	301.8	273.5	210.6	200.2	192.4	169.1
30°	673.9	648.2	597.3	565.9	556.5	495.8	437.2	441.6	381.4	295.4	252.5
27.5°	1230.0	1039.1	962.8	1001.1	904.9	782.8	768.4	779.7	629.0	476.6	364.1
25°	1993.8	1716.5	1646.8	1623.2	1446.0	1273.9	1234.1	1183.3	1010.2	715.8	503.1
22.5°	2948.4	2678.7	2515.0	2419.4	2186.3	1996.9	1825.1	1637.9	1462.5	1071.6	746.3
20°	3986.6	3658.6	3398.2	3201.0	2996.3	2741.7	2483.5	2161.2	1886.1	1514.6	1041.2
17.5°	5963.3	4661.1	4158.9	3911.4	3713.1	3469.8	3046.9	2629.5	2305.5	1978.9	1366.7
15°	8667.8	6018.3	4906.4	4519.7	4271.2	3879.9	3485.0	3040.5	2717.3	2398.7	1735.0
12.5°	14476.9	7736.2	5569.3	4854.5	4488.9	4160.3	3832.3	3430.0	3042.1	2623.0	1997.7
10°	19901.3	10454.5	6508.7	5185.7	4665.2	4348.0	4019.9	3554.1	3114.7	2741.9	2220.9
7.5°	26291.2	13702.8	7466.2	5445.7	4810.8	4418.6	4018.6	3541.6	3151.2	2822.6	2405.0
5°	30257.4	15919.4	8065.0	5627.9	4911.3	4500.4	4016.5	3476.2	3156.8	2871.6	2550.5
2.5°	32457.6	17108.9	8342.5	5747.8	4976.2	4588.1	4055.4	3444.8	3156.6	2881.4	2595.3
0°	32713.5	17354.2	8309.4	5759.9	5014.4	4666.1	4147.1	3457.3	3149.6	2874.1	2605.2
-2.5°	32115.8	16848.0	8198.6	5711.2	4992.8	4654.9	4298.7	3593.4	3225.9	2906.5	2593.7
-5°	28929.2	15073.4	7654.9	5440.4	4794.0	4495.0	4207.4	3615.9	3227.2	2903.1	2547.4
-7.5°	23664.4	12439.0	6871.1	5098.9	4541.4	4264.5	3973.1	3501.8	3094.3	2789.0	2399.5
-10°	16934.0	9123.6	5871.0	4727.5	4281.5	4020.8	3759.4	3344.2	2948.8	2662.9	2223.9
-12.5°	12319.7	6766.7	4950.1	4314.1	4015.3	3814.5	3594.9	3164.3	2792.8	2526.1	2024.5
-15°	7676.5	5477.9	4528.8	4056.2	3768.6	3620.8	3450.1	3066.7	2763.2	2424.4	1804.3
-17.5°	5889.7	4626.8	4171.1	3873.5	3654.4	3479.9	3316.2	3045.5	2751.0	2340.3	1609.9
-20°	4816.0	4372.2	4022.1	3769.4	3598.0	3448.1	3247.7	3037.1	2707.7	2116.5	1421.5



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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°	4530.0	4290.5	4014.2	3754.8	3555.9	3384.8	3193.7	2980.5	2635.7	1820.9	1215.0
-25°	4412.1	4290.6	4081.6	3858.8	3569.3	3316.3	3127.9	2847.8	2274.0	1528.9	1024.7
-27.5°	4453.0	4355.1	4225.5	3985.7	3673.1	3301.5	3003.0	2642.8	1860.9	1281.9	1013.2
-30°	4608.4	4480.7	4322.4	4113.6	3750.2	3349.0	2891.4	2167.5	1529.4	1080.3	1004.9
-32.5°	4715.0	4518.3	4331.4	4116.9	3782.4	3336.1	2495.1	1717.2	1202.3	1069.1	1004.6
-35°	4632.0	4395.7	4152.0	3939.1	3747.5	2814.4	1959.8	1357.3	1127.1	1058.2	1002.5
-37.5°	4381.3	4091.3	3841.8	3556.1	2864.0	2107.3	1468.1	1207.0	1119.3	1049.8	966.4
-40°	3972.9	3686.2	3150.5	2566.6	2016.9	1460.3	1286.8	1203.3	1123.3	1017.9	912.7
-42.5°	3174.1	2686.5	2225.7	1776.5	1408.1	1351.2	1284.8	1210.0	1107.4	974.6	851.9
-45°	2194.7	1839.1	1500.1	1451.1	1397.7	1344.7	1293.0	1184.1	1055.4	918.9	789.5
-47.5°	1588.5	1542.0	1494.4	1445.9	1394.7	1331.3	1231.5	1121.6	981.5	851.2	737.7
-50°	1579.2	1528.6	1481.6	1426.0	1331.2	1236.7	1133.9	1023.2	896.6	782.5	675.7
-52.5°	1543.7	1464.2	1384.6	1303.6	1213.6	1115.4	1014.2	915.5	809.2	703.0	602.8
-55°	1396.1	1316.9	1238.4	1159.4	1080.3	990.7	899.7	806.1	710.9	613.9	526.9
-57.5°	1217.8	1146.0	1079.0	1012.0	945.4	861.1	772.6	686.8	606.5	523.9	447.7
-60°	1034.6	973.7	913.3	850.5	785.8	713.6	637.8	565.4	497.0	435.6	374.2
-62.5°	839.4	783.9	732.3	678.7	622.4	562.2	503.7	453.2	402.7	350.0	292.2
-65°	646.4	600.6	555.3	515.6	476.6	438.1	394.3	347.3	299.2	251.9	204.1
-67.5°	470.6	437.8	406.9	376.5	343.3	308.0	267.8	227.5	195.3	165.1	132.0
-70°	305.6	279.6	253.6	227.0	204.7	184.5	161.9	137.6	112.1	94.2	79.0
-72.5°	168.1	153.5	138.7	123.9	107.8	97.5	88.0	77.1	65.5	53.1	44.1
-75°	83.2	77.4	71.5	65.5	58.8	51.4	47.3	44.5	41.7	38.9	36.0
-77.5°	45.9	44.7	43.4	41.9	40.3	38.5	36.5	34.5	32.9	31.3	29.6
-80°	34.9	34.2	33.3	32.1	30.8	29.5	28.1	27.0	25.9	25.0	24.1
-82.5°	26.5	25.8	25.1	24.4	23.8	23.2	22.6	21.9	21.2	20.3	19.4
-85°	19.8	19.6	19.3	19.1	18.9	18.7	18.4	17.9	17.4	17.0	16.6
-87.5°	15.9	15.5	15.0	15.0	15.0	14.9	14.9	14.8	14.6	14.4	14.2
-90°	0.0	0.0	0.0	0.4	0.9	1.3	1.7	1.7	1.7	1.7	1.7



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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°	11.4	11.0	10.5	10.1	10.1	10.1	10.1	10.1	9.7	9.3	8.9
87.5°	2.0	2.2	2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.7	3.8
85°	2.1	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.2
82.5°	2.2	2.6	3.0	3.4	3.7	3.8	3.9	3.9	4.0	4.3	4.6
80°	3.0	3.1	3.2	3.5	3.9	4.3	4.5	4.6	4.5	4.6	4.8
77.5°	4.0	3.7	3.4	3.5	3.9	4.4	4.8	5.1	5.0	4.9	4.9
75°	5.1	4.8	4.5	4.2	4.2	4.4	4.8	5.1	5.1	5.1	5.0
72.5°	5.1	5.1	5.1	5.1	4.8	4.7	4.9	5.1	5.1	5.1	5.1
70°	7.9	5.6	5.1	5.1	5.1	5.1	5.0	5.2	5.1	5.1	5.1
67.5°	12.9	9.1	6.5	5.3	5.1	5.1	5.1	5.3	5.4	5.1	5.1
65°	22.5	14.6	8.3	6.9	5.7	5.1	5.1	5.5	5.6	5.5	5.1
62.5°	29.1	21.9	14.4	9.4	6.9	5.8	5.1	5.5	5.9	5.9	5.4
60°	32.1	25.3	19.9	14.4	9.5	6.7	5.8	5.6	6.0	6.3	5.9
57.5°	29.7	27.1	23.2	18.5	13.3	8.6	6.6	6.1	6.1	6.4	6.3
55°	25.4	23.7	24.7	21.4	16.5	11.4	8.0	6.8	6.3	6.5	6.8
52.5°	20.0	21.4	23.6	23.2	19.1	14.0	10.3	7.5	6.9	6.6	7.0
50°	16.0	19.2	22.6	23.7	21.3	16.7	12.4	9.2	7.5	6.8	7.0
47.5°	14.7	17.9	20.9	24.2	22.9	19.3	14.7	10.8	8.2	7.4	7.1
45°	16.3	17.5	20.0	22.9	24.9	21.3	16.9	12.2	9.3	8.0	7.2
42.5°	19.9	20.2	20.2	21.8	24.5	23.0	19.1	14.0	10.3	8.6	7.6
40°	28.6	25.4	22.2	24.0	24.5	24.6	20.7	15.9	11.2	9.4	8.1
37.5°	39.8	34.5	28.5	30.0	26.6	25.2	22.1	17.6	12.6	10.3	8.7
35°	76.9	47.1	48.4	44.6	35.0	26.5	23.4	19.1	14.6	11.3	9.3
32.5°	124.9	90.7	89.3	68.9	46.4	28.4	24.8	21.2	16.7	12.2	10.0
30°	204.9	188.6	148.5	99.5	64.0	39.0	27.5	23.4	18.8	13.0	10.6
27.5°	331.0	305.1	229.4	154.2	93.4	52.8	32.3	25.8	20.9	14.2	11.3
25°	458.6	425.6	341.5	226.6	126.9	82.0	38.3	28.4	22.9	15.9	12.0
22.5°	586.1	542.9	465.9	310.0	177.6	119.6	53.5	33.0	25.0	17.6	12.7
20°	707.8	659.5	590.8	379.8	239.2	164.3	81.0	38.2	27.0	19.2	13.3
17.5°	849.4	748.2	644.9	453.2	300.5	209.2	112.8	43.8	29.1	20.8	13.9
15°	1067.0	801.4	693.9	518.5	353.6	253.8	147.7	49.8	31.1	22.3	14.5
12.5°	1264.7	851.0	742.2	575.9	399.2	297.8	184.7	56.0	33.1	23.5	15.0
10°	1449.6	896.9	789.1	625.5	438.1	340.6	222.5	62.2	35.6	24.6	15.5
7.5°	1617.1	939.1	833.5	667.4	468.4	368.6	248.1	68.5	38.3	25.4	15.9
5°	1749.1	972.4	870.1	697.3	480.0	379.2	268.3	74.4	40.9	26.1	16.3
2.5°	1792.9	993.7	899.4	720.5	489.1	386.3	284.3	79.8	43.4	26.6	16.6
0°	1802.2	1011.0	923.1	737.1	495.4	390.5	295.9	84.5	45.6	27.0	16.9
-2.5°	1793.3	1012.9	924.1	751.2	514.8	402.5	306.4	105.3	60.1	35.2	20.9
-5°	1752.5	1011.7	920.5	758.4	530.8	412.2	312.8	125.0	73.9	43.1	24.7
-7.5°	1644.1	998.0	907.8	757.5	542.6	419.5	315.8	143.3	86.8	50.4	28.2
-10°	1504.3	975.0	884.0	741.5	550.3	428.5	316.9	159.7	98.4	56.9	31.4
-12.5°	1346.2	948.8	860.5	723.4	555.2	438.8	319.7	173.7	108.4	62.6	34.1
-15°	1173.5	919.5	838.6	704.7	557.7	446.7	319.5	185.1	116.9	68.1	36.3
-17.5°	995.9	887.2	819.6	686.7	557.9	452.2	316.6	193.7	124.0	73.5	38.8
-20°	962.0	873.5	802.0	670.8	556.2	455.4	311.1	199.3	129.5	77.7	41.2



REPORT NUMBER: P731454 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	953.8	877.9	788.2	662.7	554.3	456.3	303.2	201.6	133.5	80.3	42.7
-25°	945.3	883.2	773.4	653.3	552.0	442.9	299.0	200.6	135.7	81.3	43.1
-27.5°	946.0	881.8	754.6	637.7	539.4	427.5	296.7	202.1	136.4	80.6	42.4
-30°	952.2	856.9	732.5	617.2	522.3	402.0	289.7	201.6	135.5	79.3	40.4
-32.5°	945.7	827.9	703.5	595.0	494.3	375.2	275.3	198.9	132.1	77.0	39.2
-35°	903.9	788.6	667.9	567.4	462.1	354.3	260.0	193.9	126.2	73.0	37.7
-37.5°	857.5	741.3	632.8	533.6	429.2	330.7	247.8	182.0	117.9	67.0	35.3
-40°	803.0	694.4	594.0	497.1	399.1	304.5	232.6	167.1	109.0	59.3	32.1
-42.5°	746.1	649.1	552.7	459.8	367.7	284.1	214.2	149.9	96.6	53.1	27.9
-45°	694.0	600.2	507.5	420.1	334.9	260.4	192.4	130.9	82.3	47.4	24.8
-47.5°	637.7	546.4	460.0	377.5	304.1	233.1	167.8	113.0	66.7	40.4	23.8
-50°	574.7	490.3	410.4	336.8	268.7	202.4	141.9	93.2	57.1	32.1	22.6
-52.5°	512.4	433.3	361.8	295.1	230.1	168.8	117.4	72.7	46.6	28.1	21.2
-55°	446.7	377.5	313.1	249.2	188.3	137.1	90.9	59.7	35.3	26.1	19.8
-57.5°	382.5	321.3	258.9	199.3	148.4	104.3	70.5	45.7	30.5	23.8	19.3
-60°	314.9	256.1	199.9	152.1	109.1	76.6	53.3	34.5	27.6	21.7	18.6
-62.5°	237.5	188.4	146.6	105.8	77.3	55.7	37.8	30.8	24.5	20.8	17.9
-65°	165.9	128.7	94.2	73.1	53.1	38.4	33.1	26.9	22.8	19.8	17.1
-67.5°	99.5	81.5	63.5	45.3	37.7	33.0	28.1	24.6	21.5	18.8	16.2
-70°	63.5	47.8	40.3	36.1	31.8	27.8	25.5	22.9	20.1	17.6	15.3
-72.5°	40.6	37.1	33.4	29.8	27.4	25.2	23.2	21.1	18.6	16.4	14.4
-75°	32.9	30.5	28.3	26.3	24.3	22.6	21.0	19.2	17.1	15.1	13.4
-77.5°	27.7	25.9	24.2	22.8	21.5	20.1	18.7	17.2	15.5	14.0	12.5
-80°	23.0	21.9	20.9	20.0	18.8	17.7	16.7	15.7	14.3	12.9	11.5
-82.5°	18.7	18.3	17.8	17.1	16.3	15.6	14.9	14.3	13.1	11.8	10.7
-85°	16.1	15.5	14.9	14.2	13.8	13.5	13.2	12.9	11.9	11.0	10.1
-87.5°	13.7	13.1	12.6	12.0	11.9	11.8	11.7	11.5	10.8	10.2	9.5
-90°	1.7	1.7	1.7	1.7	2.1	2.6	3.0	3.4	3.4	3.4	3.4



REPORT NUMBER: P731454 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.5	8.1	7.7	7.2	6.8	6.0	5.1
87.5°	3.8	4.1	4.4	4.7	5.1	5.1	5.1
85°	4.3	4.4	4.5	4.8	5.1	5.2	5.1
82.5°	4.7	4.7	4.7	4.8	5.1	5.2	5.1
80°	5.1	4.9	4.8	4.9	5.1	5.2	5.1
77.5°	5.1	5.1	5.0	5.0	5.1	5.3	5.1
75°	5.1	5.2	5.1	5.0	5.1	5.3	5.1
72.5°	5.2	5.4	5.3	5.1	5.1	5.4	5.1
70°	5.2	5.5	5.4	5.1	5.2	5.4	5.1
67.5°	5.3	5.6	5.6	5.3	5.2	5.4	5.1
65°	5.3	5.7	5.8	5.5	5.2	5.5	5.1
62.5°	5.4	5.8	6.0	5.6	5.3	5.5	5.1
60°	5.4	5.8	6.2	5.8	5.3	5.6	5.1
57.5°	5.8	5.8	6.2	6.0	5.5	5.6	5.1
55°	6.3	5.9	6.3	6.2	5.6	5.7	5.1
52.5°	6.7	6.0	6.3	6.4	5.7	5.7	5.1
50°	7.1	6.3	6.3	6.6	5.9	5.8	5.1
47.5°	7.5	6.7	6.4	6.7	6.0	5.8	5.1
45°	7.5	7.0	6.4	6.7	6.1	5.9	5.1
42.5°	7.6	7.3	6.5	6.8	6.2	5.9	5.1
40°	7.7	7.7	6.6	6.8	6.3	6.0	5.1
37.5°	7.8	8.0	6.9	6.9	6.4	6.0	5.1
35°	7.9	8.1	7.1	6.9	6.4	6.1	5.1
32.5°	8.1	8.2	7.4	7.0	6.5	6.1	5.1
30°	8.6	8.3	7.6	7.1	6.6	6.2	5.1
27.5°	9.1	8.4	7.8	7.1	6.6	6.3	5.1
25°	9.6	8.4	8.0	7.2	6.7	6.3	5.1
22.5°	10.0	8.5	8.1	7.4	6.7	6.4	5.1
20°	10.5	8.6	8.2	7.5	6.7	6.4	5.1
17.5°	11.0	8.8	8.3	7.6	6.8	6.5	5.1
15°	11.5	9.0	8.4	7.7	6.8	6.5	5.1
12.5°	11.9	9.1	8.4	7.9	6.8	6.6	5.1
10°	12.3	9.3	8.5	8.0	6.8	6.6	5.1
7.5°	12.6	9.5	8.5	8.1	6.8	6.7	5.1
5°	13.0	9.7	8.5	8.3	6.8	6.7	5.1
2.5°	13.3	9.9	8.5	8.4	6.8	6.8	5.1
0°	13.5	10.1	8.5	8.5	6.8	6.8	5.1
-2.5°	14.8	10.7	8.8	8.6	6.9	6.8	5.1
-5°	16.1	11.2	9.1	8.7	6.9	6.9	5.1
-7.5°	17.3	11.7	9.4	8.8	7.0	6.9	5.1
-10°	18.4	12.2	9.6	8.8	7.1	6.9	5.1
-12.5°	19.3	12.6	9.9	8.9	7.2	6.9	5.1
-15°	20.0	13.0	10.1	9.0	7.2	7.0	5.1
-17.5°	20.6	13.3	10.3	9.0	7.3	7.0	5.1
-20°	21.3	13.6	10.5	9.0	7.4	7.0	5.1



REPORT NUMBER: P731454 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.0	13.8	10.6	9.0	7.5	7.0	5.1
-25°	22.4	14.0	10.8	9.1	7.5	7.0	5.1
-27.5°	22.2	14.2	10.9	9.1	7.6	7.0	5.1
-30°	21.5	14.2	10.9	9.0	7.7	7.0	5.1
-32.5°	20.2	14.2	11.0	9.0	7.7	7.0	5.1
-35°	19.7	14.1	11.1	9.0	7.8	7.0	5.1
-37.5°	19.5	14.0	11.2	9.0	7.8	7.0	5.1
-40°	19.2	14.0	11.2	8.9	7.9	6.9	5.1
-42.5°	18.7	14.0	11.2	8.9	8.0	6.9	5.1
-45°	18.0	14.0	11.2	8.9	8.0	6.9	5.1
-47.5°	17.2	13.9	11.1	8.8	8.1	6.9	5.1
-50°	16.9	13.7	11.0	8.9	8.1	6.8	5.1
-52.5°	16.7	13.6	10.9	8.9	8.1	6.8	5.1
-55°	16.3	13.3	10.7	9.0	8.2	6.8	5.1
-57.5°	16.0	13.0	10.5	9.0	8.2	6.7	5.1
-60°	15.5	12.7	10.3	9.0	8.3	6.7	5.1
-62.5°	15.0	12.4	10.2	9.0	8.2	6.6	5.1
-65°	14.4	12.0	10.1	9.0	8.1	6.6	5.1
-67.5°	13.8	11.6	9.9	8.9	8.0	6.5	5.1
-70°	13.2	11.2	9.7	8.8	7.9	6.5	5.1
-72.5°	12.5	10.8	9.5	8.7	7.7	6.4	5.1
-75°	11.8	10.3	9.3	8.5	7.6	6.4	5.1
-77.5°	11.0	9.8	9.0	8.3	7.5	6.3	5.1
-80°	10.2	9.4	8.8	8.1	7.4	6.2	5.1
-82.5°	9.7	9.1	8.5	7.9	7.2	6.2	5.1
-85°	9.3	8.8	8.2	7.7	7.1	6.1	5.1
-87.5°	8.9	8.4	7.9	7.4	6.9	6.0	5.1
-90°	3.4	3.8	4.3	4.7	5.1	5.1	5.1

(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

