

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: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-7F-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-70-7F-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

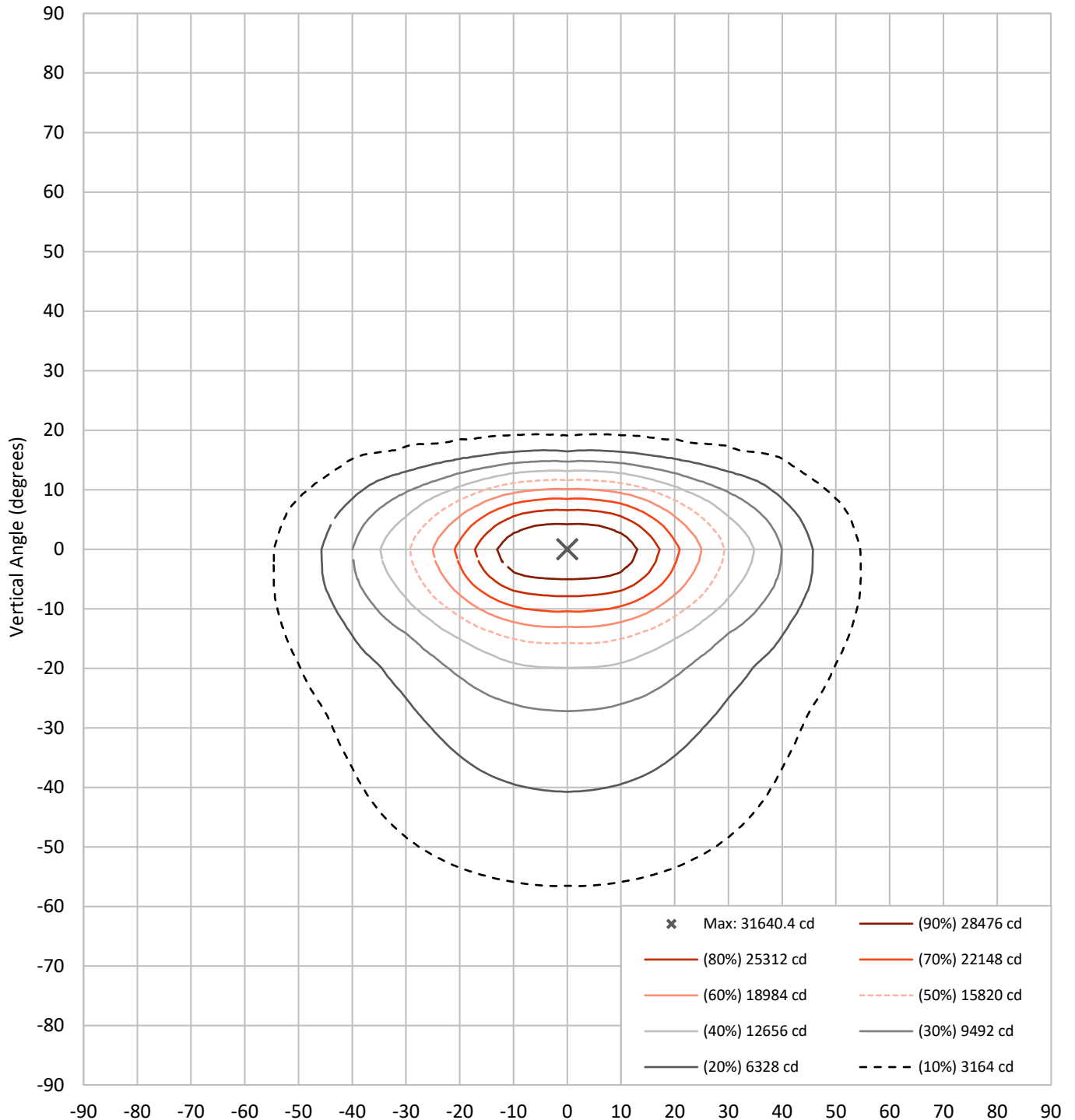
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	21289.7 lumens	Max Intensity:	31640.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	61.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 27.3°V	Field Angle (10%):	109.1°H x 75.6°V
Beam Lumens:	8461.4 lumens	Field Lumens:	18735.4 lumens
Beam Efficiency:	39.7%	Field Efficiency:	88.0%

Input Watts (W): 344.2
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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CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

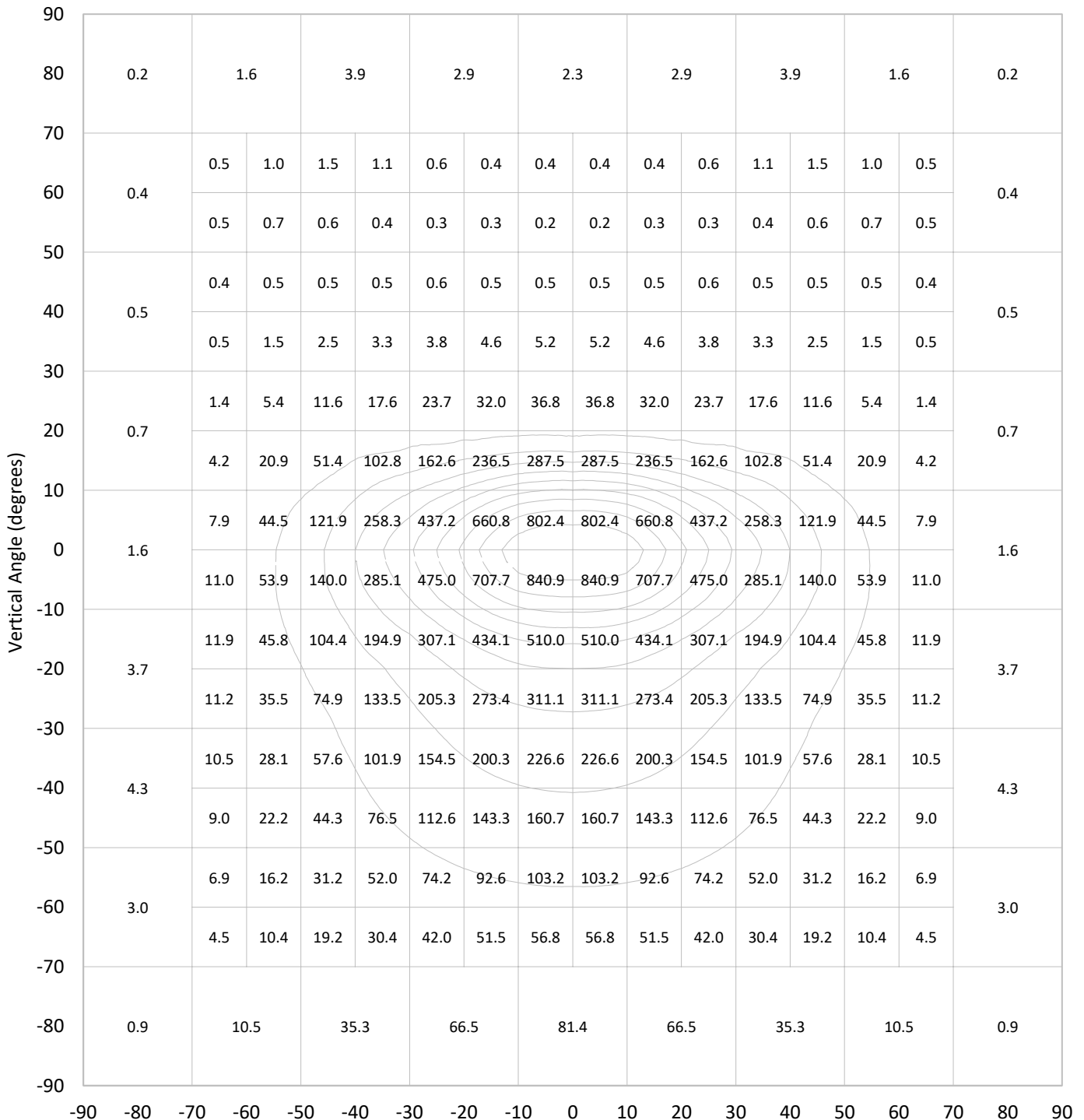
Iso-Candela Plot





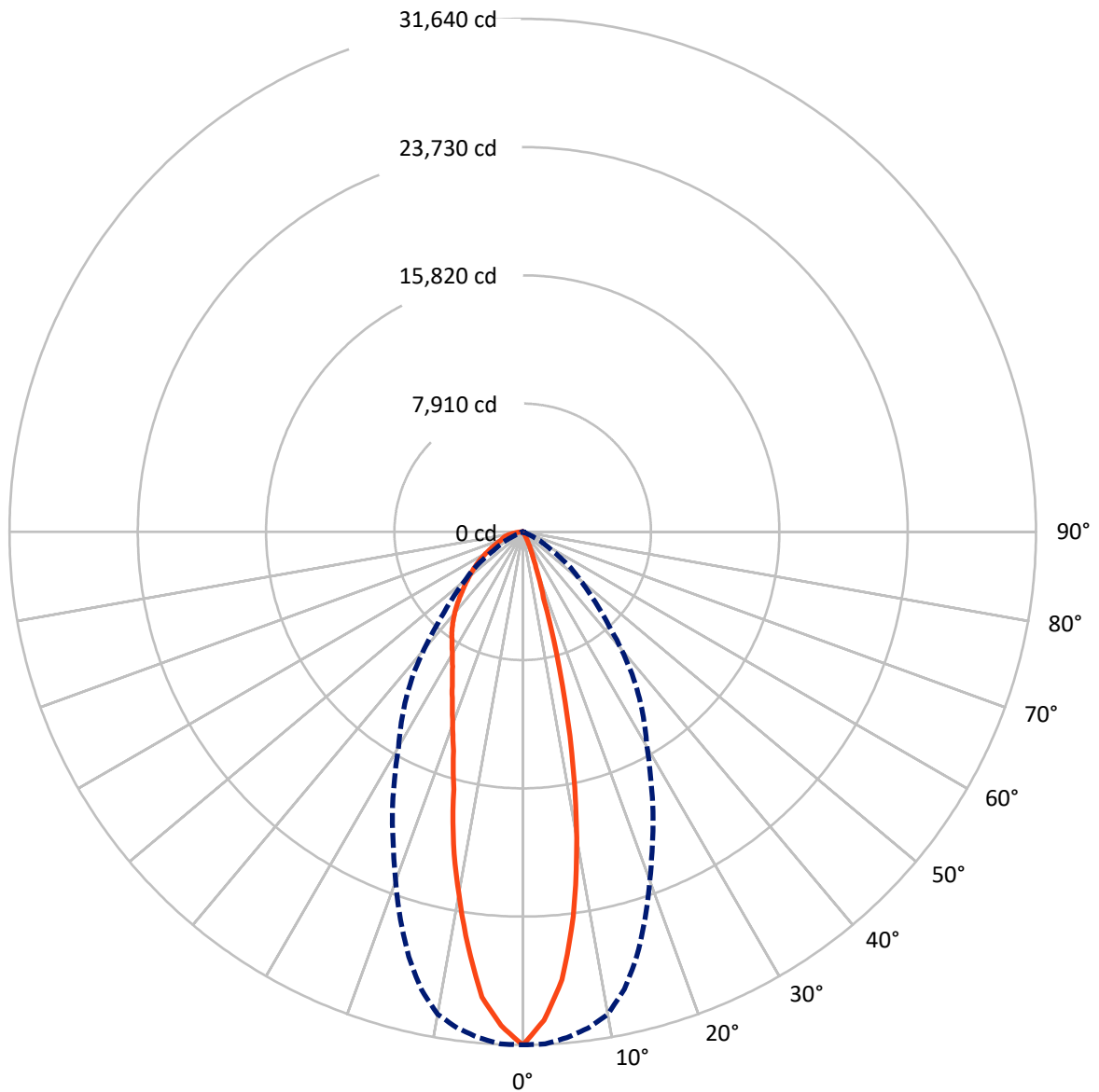
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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

Lumen Table



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
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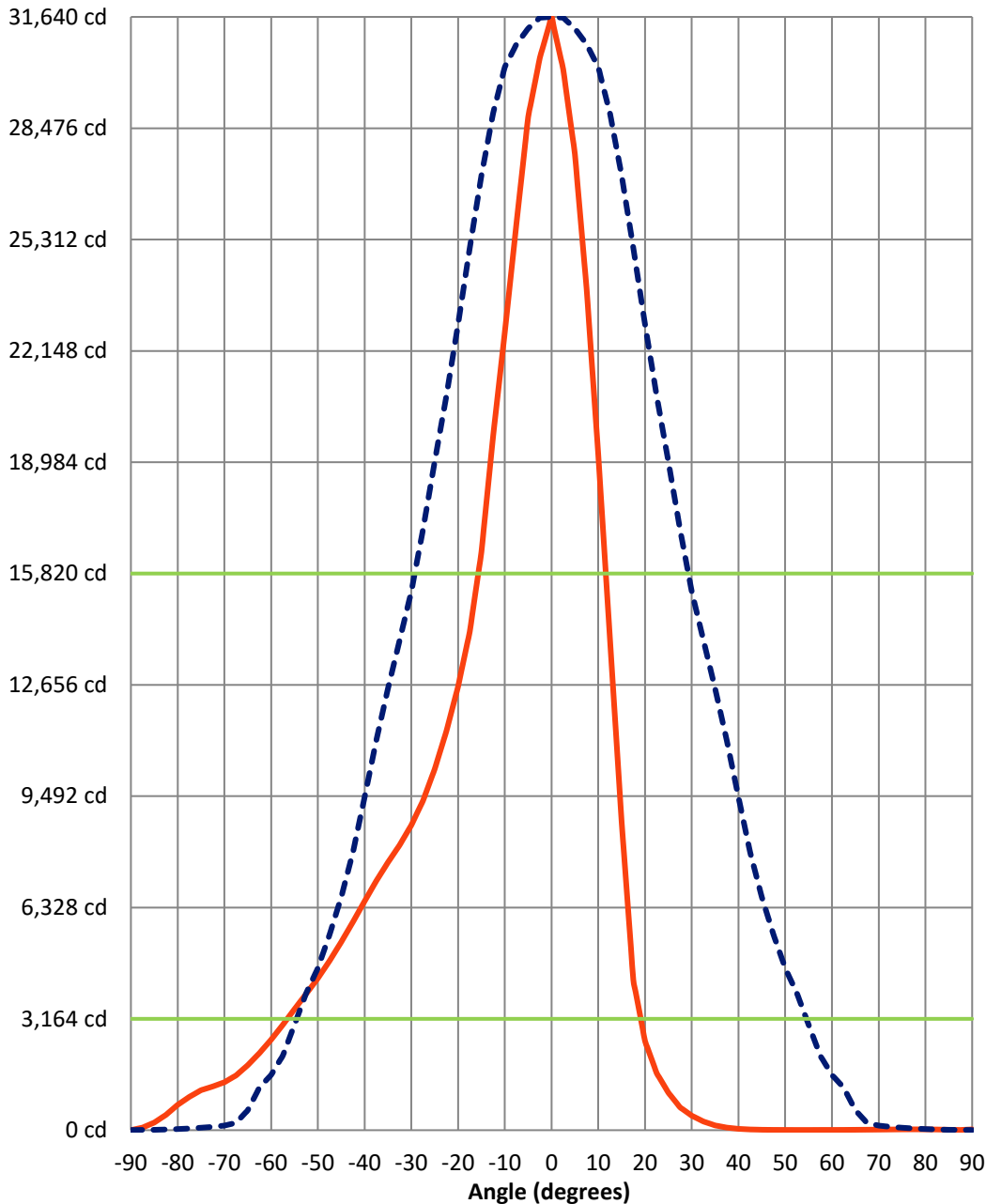
Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 27.3°
 Lumens: 8461.4
 Efficiency: 39.7%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 18735.4
 Efficiency: 88.0%

Spill:
 Lumens: 2554.3
 Efficiency: 12.0%

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



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.6	5.2	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.7	8.0
87.5°	4.6	4.8	5.1	5.5	5.9	6.4	7.0	7.1	7.1	7.1	7.0
85°	4.6	5.0	5.6	6.3	7.2	8.2	9.3	9.6	9.7	9.6	9.4
82.5°	4.6	5.2	6.1	7.2	8.5	10.0	11.7	12.1	12.4	13.3	14.9
80°	4.6	5.4	6.6	8.0	9.7	11.7	13.9	14.5	16.0	18.5	21.9
77.5°	4.6	5.6	7.0	8.8	10.9	13.0	14.9	16.6	19.5	23.5	27.6
75°	4.6	5.8	7.5	9.6	12.0	13.6	15.9	18.7	22.5	25.8	29.2
72.5°	4.6	6.0	8.0	10.4	12.2	14.1	16.9	20.3	23.6	27.1	30.8
70°	4.6	6.1	8.4	11.0	12.4	14.6	17.7	21.1	24.6	28.3	31.9
67.5°	4.6	6.3	8.8	11.0	12.5	15.0	18.4	21.8	25.6	29.2	32.9
65°	4.6	6.5	9.2	10.9	12.6	15.5	19.1	22.5	26.3	30.1	34.2
62.5°	4.6	6.6	9.6	10.8	12.6	16.1	19.7	23.1	27.0	31.0	36.2
60°	4.6	6.8	10.0	10.7	12.6	16.7	20.4	23.7	27.7	32.5	38.0
57.5°	4.6	6.9	9.9	10.6	13.1	17.3	21.1	24.3	28.6	33.8	38.6
55°	4.6	7.1	9.8	10.4	13.6	17.9	21.9	25.1	29.6	34.8	38.7
52.5°	4.6	7.2	9.7	10.2	14.1	18.5	22.8	26.1	30.4	34.8	38.8
50°	4.6	7.4	9.7	9.9	14.5	19.3	23.7	27.2	30.8	34.8	36.9
47.5°	4.6	7.5	9.6	9.8	15.0	20.1	24.6	28.3	30.7	34.7	35.0
45°	4.6	7.6	9.6	10.2	15.4	20.9	25.5	29.4	31.4	33.3	33.4
42.5°	4.6	7.7	9.6	10.5	15.8	21.7	26.5	30.4	32.3	32.1	31.8
40°	4.6	7.8	9.5	11.0	16.3	22.5	27.4	31.2	33.1	31.3	30.5
37.5°	4.6	7.9	9.5	11.6	16.9	23.3	28.4	32.1	33.7	32.1	29.3
35°	4.6	7.9	9.5	12.2	17.5	24.1	29.3	33.1	34.6	33.5	29.5
32.5°	4.6	8.0	9.6	12.8	18.1	24.8	30.1	34.1	35.7	35.7	35.3
30°	4.6	8.0	9.6	13.4	18.6	25.4	30.9	35.1	37.1	38.6	42.6
27.5°	4.6	8.1	9.6	14.0	19.8	26.1	31.7	36.2	39.1	42.3	51.2
25°	4.6	8.1	9.7	14.6	21.0	26.7	32.6	37.4	41.9	48.4	62.0
22.5°	4.6	8.1	9.7	15.2	22.3	27.7	33.4	38.8	45.0	56.1	97.2
20°	4.6	8.2	9.8	15.8	23.5	29.9	34.2	40.2	48.5	64.5	137.4
17.5°	4.6	8.2	9.9	16.4	24.8	32.1	37.1	41.7	52.2	73.3	181.6
15°	4.6	8.2	9.9	16.9	26.0	34.5	41.6	45.9	56.1	82.4	228.5
12.5°	4.6	8.2	10.0	17.4	27.2	36.9	46.3	53.7	65.1	91.7	277.0
10°	4.6	8.1	10.1	17.9	28.3	39.3	51.1	61.7	78.3	113.5	331.2
7.5°	4.6	8.1	10.1	18.4	29.4	41.6	55.9	69.9	91.7	137.6	395.8
5°	4.6	8.1	10.2	18.8	30.4	44.0	60.8	78.2	105.1	161.7	457.9
2.5°	4.6	8.0	10.2	19.2	31.3	46.2	65.5	86.4	118.3	185.3	515.8
0°	4.6	8.0	10.3	19.5	32.2	48.3	70.1	94.3	131.1	208.1	568.0
-2.5°	4.6	8.2	11.1	21.9	37.6	58.8	88.4	124.5	176.9	271.3	631.9
-5°	4.6	8.3	11.9	24.2	42.9	69.0	106.2	153.9	221.6	332.4	688.6
-7.5°	4.6	8.5	12.6	26.4	47.9	78.7	123.3	182.2	264.3	390.5	738.2
-10°	4.6	8.6	13.4	28.5	52.7	88.0	139.5	208.9	304.6	445.0	780.8
-12.5°	4.6	8.8	14.1	30.4	57.1	96.6	154.4	233.6	341.9	493.0	798.2
-15°	4.6	8.9	14.7	32.2	61.1	104.4	168.0	255.9	372.3	522.1	801.9
-17.5°	4.6	9.0	15.3	33.7	64.7	111.3	179.9	275.3	395.5	547.5	802.0
-20°	4.6	9.1	15.9	35.1	67.7	117.3	191.2	292.1	415.9	569.0	799.2



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.6	9.2	16.4	36.2	70.2	122.1	202.5	306.5	433.5	586.3	793.9
-25°	4.6	9.3	16.8	37.0	72.2	128.4	212.1	318.3	447.9	599.4	786.9
-27.5°	4.6	9.3	17.2	37.6	73.5	134.4	220.0	327.5	459.2	610.2	797.7
-30°	4.6	9.3	17.5	37.9	74.4	139.1	226.0	333.9	468.2	620.9	804.0
-32.5°	4.6	9.3	17.7	37.9	76.8	142.5	230.1	339.6	474.1	627.5	804.8
-35°	4.6	9.3	17.9	37.6	78.3	144.3	233.3	343.3	476.3	629.9	800.1
-37.5°	4.6	9.3	18.0	37.0	78.9	145.2	234.9	344.4	474.6	628.1	774.0
-40°	4.6	9.3	18.0	36.1	78.6	145.5	234.3	342.8	469.1	622.2	746.6
-42.5°	4.6	9.2	17.9	35.2	78.0	144.3	231.6	338.4	462.8	597.0	715.4
-45°	4.6	9.1	17.7	34.6	77.3	141.6	226.6	331.9	454.6	566.8	680.7
-47.5°	4.6	9.0	17.4	33.6	75.8	137.4	219.6	323.1	442.5	534.1	643.7
-50°	4.6	8.9	17.1	33.2	73.4	131.8	211.8	311.5	416.3	503.9	603.8
-52.5°	4.6	8.8	16.7	32.9	70.3	124.7	202.2	297.1	388.6	470.9	561.4
-55°	4.6	8.6	16.2	32.2	66.3	118.3	190.6	280.2	359.3	435.4	520.5
-57.5°	4.6	8.5	15.6	31.2	61.7	111.2	177.0	262.2	328.4	399.1	476.5
-60°	4.6	8.3	15.0	29.9	56.4	103.0	162.0	238.2	296.6	361.5	431.0
-62.5°	4.6	8.1	14.4	28.2	53.0	93.7	148.7	212.0	266.5	322.1	385.9
-65°	4.6	7.9	13.8	26.3	49.0	83.4	133.9	186.5	235.5	286.0	338.9
-67.5°	4.6	7.6	13.2	24.0	44.5	74.0	117.8	164.2	203.8	250.2	296.5
-70°	4.6	7.4	12.5	21.6	39.5	65.7	100.5	141.5	178.2	213.6	255.8
-72.5°	4.6	7.2	11.7	19.8	34.2	56.7	86.5	118.5	152.4	185.1	216.5
-75°	4.6	6.9	10.9	18.0	28.5	47.2	72.2	97.9	126.3	156.3	185.3
-77.5°	4.6	6.6	10.1	16.2	24.6	37.2	57.2	77.7	100.7	126.6	153.8
-80°	4.6	6.3	9.3	14.2	21.1	30.0	41.6	56.9	74.4	94.4	116.6
-82.5°	4.6	6.0	8.4	12.2	17.5	24.3	32.5	39.3	47.6	61.4	76.9
-85°	4.6	5.7	7.5	10.2	13.8	18.5	24.0	28.7	33.7	39.1	44.8
-87.5°	4.6	5.5	6.6	8.1	10.1	12.6	15.5	18.0	20.6	23.4	26.5
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.3	8.6	8.9	9.2	10.1	10.9	11.8	12.6	14.1	15.5	17.0
87.5°	7.5	8.0	8.6	9.2	8.8	8.3	7.7	7.0	7.5	8.1	8.7
85°	10.4	11.4	12.9	14.1	14.0	14.1	14.3	14.7	15.7	16.5	17.1
82.5°	16.8	18.4	19.4	20.1	21.2	22.5	24.4	27.0	28.5	29.5	30.1
80°	24.1	25.4	26.4	28.3	31.7	35.6	39.9	44.6	46.1	46.3	45.8
77.5°	28.8	30.8	33.9	38.2	43.3	48.3	53.7	59.4	61.1	60.7	59.9
75°	32.0	35.7	40.4	46.3	52.5	58.9	65.7	71.9	73.7	71.8	69.4
72.5°	34.5	39.3	45.6	53.3	60.4	66.9	73.9	81.3	83.9	79.8	74.8
70°	36.1	42.4	49.9	58.0	66.1	73.2	79.7	86.8	90.9	84.0	74.1
67.5°	37.5	45.3	53.5	61.9	69.2	75.9	83.3	85.6	86.6	76.2	65.6
65°	39.6	47.9	55.5	62.9	70.6	72.9	74.5	76.0	74.4	62.6	51.0
62.5°	41.7	48.6	55.8	61.5	63.4	64.5	63.2	60.1	56.0	47.8	38.4
60°	42.4	48.4	53.1	54.8	55.3	53.0	49.3	45.6	41.3	34.6	28.1
57.5°	42.6	45.6	47.4	47.8	45.6	41.8	38.2	33.4	29.8	25.6	20.3
55°	41.6	40.9	41.8	40.3	37.2	33.1	28.9	25.7	21.4	18.9	15.8
52.5°	38.7	37.0	36.3	34.0	30.4	26.7	23.3	20.2	17.7	14.9	13.0
50°	36.1	33.9	31.5	28.7	26.0	23.5	19.7	17.4	15.4	13.3	11.5
47.5°	33.8	31.2	27.6	25.3	25.0	23.5	19.7	16.3	14.4	14.4	12.8
45°	31.7	29.5	25.4	25.8	26.6	26.5	23.8	16.0	17.8	18.1	17.2
42.5°	29.9	29.0	30.1	27.5	31.8	34.1	32.1	26.7	23.8	26.4	27.4
40°	30.1	29.7	39.7	39.5	40.1	46.3	49.3	45.5	35.0	41.5	44.5
37.5°	31.3	41.7	54.2	58.3	54.7	65.4	71.8	76.2	67.9	62.6	71.8
35°	33.2	56.8	75.4	84.1	84.6	90.8	107.5	114.3	108.8	100.4	107.9
32.5°	43.4	74.8	100.5	115.3	128.9	135.3	150.1	157.1	163.1	163.2	160.0
30°	65.0	98.6	129.5	149.8	182.5	212.4	205.9	207.3	229.4	251.8	262.6
27.5°	101.9	128.0	162.0	198.5	248.5	306.5	316.8	287.4	317.4	358.7	395.4
25°	148.3	217.1	196.5	256.5	339.9	420.3	463.0	483.4	442.4	502.6	589.5
22.5°	212.4	329.9	331.0	319.8	442.5	554.9	660.2	761.1	813.2	747.8	838.1
20°	298.8	450.6	499.3	553.2	596.1	708.1	889.8	1109.9	1311.5	1425.6	1373.3
17.5°	398.0	582.4	694.0	838.5	981.2	1042.4	1158.1	1518.6	1909.9	2243.0	2422.1
15°	507.3	723.2	904.7	1153.1	1409.8	1603.3	1803.8	2113.6	2630.2	3200.1	3656.3
12.5°	623.5	870.6	1127.2	1490.3	1871.7	2189.9	2547.4	3018.4	3614.4	4325.3	5068.5
10°	743.2	1022.1	1357.4	1842.6	2357.1	2793.9	3305.6	3923.4	4684.4	5570.2	6504.3
7.5°	870.1	1170.3	1584.2	2201.8	2855.3	3406.5	4068.2	4819.9	5743.3	6796.3	7922.4
5°	992.9	1310.2	1773.3	2490.7	3259.5	3923.5	4762.9	5695.8	6778.5	7989.7	9316.8
2.5°	1107.5	1444.1	1952.4	2755.0	3587.6	4277.0	5175.7	6178.8	7400.1	8828.1	10363.0
0°	1210.7	1570.5	2118.9	2998.5	3890.7	4605.8	5554.3	6621.3	7894.0	9461.1	11074.2
-2.5°	1255.4	1636.5	2194.0	3034.8	3883.2	4611.8	5524.4	6612.9	7840.3	9334.4	10916.6
-5°	1287.0	1692.2	2253.1	3047.9	3850.5	4590.3	5460.7	6554.4	7669.6	8998.5	10416.1
-7.5°	1307.0	1736.4	2295.8	3025.6	3744.2	4421.7	5178.9	6110.5	7127.3	8310.3	9558.2
-10°	1311.2	1731.7	2231.7	2879.9	3537.6	4158.8	4833.6	5642.6	6551.8	7586.3	8671.4
-12.5°	1270.4	1683.8	2141.4	2723.9	3323.8	3885.7	4476.6	5163.9	5951.9	6841.3	7801.8
-15°	1226.2	1629.5	2044.3	2561.2	3107.9	3607.1	4114.1	4684.1	5383.2	6193.5	7021.9
-17.5°	1180.8	1569.8	1942.5	2395.6	2894.7	3327.2	3771.0	4312.4	4938.9	5621.6	6295.9
-20°	1136.2	1505.7	1837.7	2230.2	2687.6	3096.0	3528.8	4004.5	4530.4	5086.8	5622.8



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1094.4	1437.8	1740.8	2091.6	2509.6	2901.2	3287.8	3696.5	4132.0	4582.5	5148.1
-25°	1066.3	1372.7	1656.3	1981.5	2342.5	2704.0	3044.9	3396.3	3771.1	4269.5	4793.4
-27.5°	1048.9	1317.3	1582.1	1871.0	2182.6	2509.4	2817.9	3127.8	3545.7	3994.1	4457.8
-30°	1031.8	1262.1	1504.7	1766.5	2050.2	2333.6	2599.3	2949.4	3339.1	3749.3	4161.7
-32.5°	999.2	1204.2	1434.2	1676.5	1927.2	2172.6	2450.0	2794.3	3151.7	3512.4	3884.6
-35°	958.7	1153.1	1365.1	1585.1	1809.8	2052.5	2333.7	2636.9	2965.2	3300.7	3668.0
-37.5°	923.4	1097.5	1293.4	1498.5	1709.1	1948.1	2206.6	2489.9	2789.1	3102.9	3453.6
-40°	884.3	1037.7	1225.5	1417.9	1615.6	1838.9	2082.5	2339.8	2615.3	2915.3	3230.1
-42.5°	842.3	990.0	1155.6	1335.1	1523.1	1727.4	1948.5	2190.5	2447.5	2720.7	3009.0
-45°	803.3	938.8	1084.5	1252.1	1426.0	1611.9	1816.9	2034.1	2277.7	2529.2	2788.9
-47.5°	760.0	885.3	1023.3	1163.5	1326.4	1497.8	1679.5	1885.1	2100.2	2333.8	2573.5
-50°	713.3	832.3	953.7	1082.0	1224.5	1381.1	1547.1	1732.1	1931.3	2135.2	2350.9
-52.5°	665.3	774.6	884.5	998.8	1126.0	1265.1	1416.0	1579.8	1759.0	1946.0	2132.1
-55°	614.0	715.1	812.8	916.7	1027.5	1151.5	1284.9	1430.8	1581.2	1751.5	1915.5
-57.5°	562.3	651.2	740.1	834.5	933.3	1037.1	1158.5	1282.1	1417.7	1557.8	1694.3
-60°	508.8	586.3	665.4	750.7	839.9	933.9	1032.8	1143.1	1257.9	1371.2	1491.6
-62.5°	453.2	521.6	591.2	664.2	744.5	829.2	917.5	1009.5	1104.2	1202.7	1299.9
-65°	399.6	457.6	518.4	582.2	646.5	724.1	802.4	879.7	962.5	1042.3	1120.3
-67.5°	345.1	400.1	451.2	501.0	560.3	626.8	688.3	758.4	827.7	893.4	956.9
-70°	299.8	343.9	390.8	435.9	482.6	539.2	599.5	655.3	707.7	762.8	822.3
-72.5°	256.3	298.8	338.0	374.1	421.4	474.4	523.9	569.9	619.9	672.2	720.3
-75°	216.5	253.5	291.8	327.3	366.7	412.9	462.8	509.6	552.2	594.5	638.3
-77.5°	178.1	205.9	238.2	274.6	313.6	349.6	389.0	431.4	471.2	511.5	554.3
-80°	136.7	156.6	178.5	203.7	232.7	264.5	298.6	334.9	366.7	395.9	424.7
-82.5°	92.0	107.1	122.4	137.9	154.1	171.2	190.1	213.2	233.8	254.5	275.5
-85°	50.9	57.3	67.8	78.4	87.4	96.9	107.0	117.5	127.3	136.9	146.3
-87.5°	29.6	33.0	36.5	40.1	42.6	44.9	47.1	49.2	52.0	54.7	57.3
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	18.4	18.7	19.0	19.2	19.5	20.4	21.3	22.1	23.0	22.7	22.4
87.5°	9.3	9.1	9.0	8.8	8.7	9.5	10.4	11.3	12.2	11.2	10.2
85°	17.6	17.7	17.7	17.7	17.6	18.8	20.0	21.1	22.3	20.6	18.7
82.5°	30.3	29.8	28.7	27.3	25.5	25.1	24.6	23.9	23.0	22.1	21.2
80°	45.0	42.9	40.1	36.8	33.2	31.3	29.4	27.4	25.2	24.5	24.0
77.5°	58.0	54.1	49.3	44.2	38.7	35.4	32.6	29.7	26.6	26.0	25.7
75°	66.3	61.3	54.3	47.1	39.8	35.1	31.7	28.4	25.2	24.2	23.8
72.5°	68.9	61.8	53.7	44.7	36.0	30.5	27.4	24.6	22.1	21.1	20.5
70°	64.4	55.0	46.1	37.4	29.5	24.4	22.2	20.3	18.6	17.9	17.6
67.5°	54.4	44.6	36.2	29.0	23.2	19.4	18.2	17.0	16.0	15.3	14.8
65°	41.3	33.6	27.5	22.7	19.0	16.7	15.7	14.7	13.8	13.0	12.5
62.5°	30.4	24.8	21.2	18.4	16.2	14.7	13.7	12.9	12.2	11.7	11.3
60°	22.9	19.0	16.8	15.0	13.7	12.7	12.1	11.6	11.1	10.6	10.1
57.5°	17.5	15.2	13.5	12.7	12.0	11.6	11.1	10.6	10.0	9.5	9.1
55°	13.8	12.6	11.7	11.4	11.2	10.7	10.2	9.7	9.2	8.5	8.0
52.5°	11.6	11.5	11.5	11.3	11.0	10.6	10.2	9.5	8.8	8.1	7.7
50°	11.5	11.6	11.6	11.4	11.1	10.7	10.3	9.8	9.4	8.9	8.6
47.5°	11.9	12.1	12.7	11.7	11.5	11.8	11.6	11.2	11.0	10.8	10.5
45°	14.0	16.4	17.1	16.2	14.2	15.8	15.3	13.5	14.5	14.4	13.5
42.5°	25.0	27.5	29.6	28.3	24.3	25.6	25.6	22.8	23.6	23.7	22.7
40°	47.6	46.7	50.0	48.7	44.3	42.6	44.5	41.4	40.8	42.4	40.5
37.5°	78.5	79.0	77.5	77.7	76.1	71.9	74.4	73.6	71.0	75.9	76.5
35°	122.7	126.5	114.5	119.3	121.3	116.7	119.6	128.0	122.6	134.1	137.3
32.5°	181.9	189.8	184.2	178.7	187.7	194.9	198.3	216.0	220.7	231.2	243.7
30°	254.9	275.4	291.6	281.5	280.4	305.8	320.5	344.3	367.5	381.3	406.7
27.5°	406.8	400.6	439.0	450.4	425.1	465.7	520.9	531.4	601.9	607.6	656.9
25°	643.0	639.8	651.3	707.2	721.3	741.7	836.4	886.4	967.2	1010.9	1048.7
22.5°	960.1	1049.8	1065.0	1039.4	1162.0	1242.2	1268.7	1412.8	1478.7	1577.0	1606.6
20°	1356.7	1565.2	1828.5	1832.7	1782.2	2013.2	2109.0	2184.7	2345.7	2457.8	2533.9
17.5°	2396.5	2394.9	2932.8	3229.9	3196.3	3362.6	3833.4	3784.8	4165.1	4395.6	4405.3
15°	3922.6	4207.0	4548.3	5087.3	5546.0	5915.7	6362.7	6946.6	7419.5	7975.0	8396.6
12.5°	5668.4	6228.6	6812.8	7427.5	8147.4	8964.9	9854.0	10632.4	11558.4	12368.7	13206.6
10°	7417.7	8304.9	9129.3	10048.1	11071.3	12160.2	13464.2	14603.5	15973.2	17174.5	17964.3
7.5°	9021.7	10086.0	11200.2	12535.8	13964.0	15331.4	16807.6	18405.6	20008.0	21396.0	22574.7
5°	10589.5	11786.0	13021.0	14492.1	16124.2	17837.6	19664.3	21554.2	23233.2	24814.4	26190.6
2.5°	11819.4	13189.9	14600.9	16264.4	18020.3	19756.8	21585.3	23619.8	25572.6	27421.9	28835.7
0°	12550.4	13925.5	15309.7	17072.3	19000.4	20866.4	22904.8	25070.9	27132.4	28900.6	30211.3
-2.5°	12259.2	13598.6	14997.3	16738.6	18596.1	20334.8	22282.4	24380.7	26377.3	28168.2	29528.5
-5°	11600.8	12802.5	14084.7	15694.7	17432.5	19159.9	21069.3	23065.4	24787.8	26377.4	27597.1
-7.5°	10675.0	11783.6	12979.4	14470.0	16068.1	17576.6	19137.4	20747.7	22315.1	23674.7	24678.2
-10°	9691.8	10695.3	11724.7	12920.0	14282.0	15598.6	16915.6	18384.4	19676.1	20798.6	21626.1
-12.5°	8705.7	9530.1	10342.2	11256.2	12424.9	13609.9	14748.8	15980.5	17009.4	17935.3	18671.6
-15°	7759.3	8401.0	9017.3	9901.9	10931.1	11806.1	12507.0	13622.5	14321.0	15144.1	15658.9
-17.5°	6879.5	7392.0	8140.8	8901.4	9635.6	10354.7	11163.4	11823.9	12509.4	13181.8	13624.1
-20°	6187.4	6821.2	7454.1	8072.6	8703.4	9389.9	10030.0	10654.1	11251.6	11768.3	12122.9



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5736.8	6299.5	6832.3	7388.8	8003.3	8579.7	9120.6	9695.3	10206.2	10592.0	10880.6
-25°	5304.1	5793.5	6311.9	6868.7	7388.6	7873.8	8371.9	8815.5	9251.4	9572.6	9842.7
-27.5°	4914.2	5378.4	5889.1	6382.7	6846.1	7299.6	7722.8	8090.3	8453.5	8710.4	8978.9
-30°	4575.0	5045.2	5509.7	5948.4	6383.7	6794.5	7167.7	7516.6	7821.4	8071.6	8296.7
-32.5°	4318.7	4745.2	5158.8	5569.2	5981.8	6360.5	6687.2	7022.3	7302.7	7542.7	7746.5
-35°	4065.4	4466.3	4848.7	5224.8	5604.5	5969.7	6286.0	6577.8	6853.7	7068.5	7255.3
-37.5°	3818.3	4192.2	4546.0	4884.2	5231.6	5568.3	5856.8	6130.9	6377.6	6576.1	6753.3
-40°	3569.5	3911.9	4228.2	4543.4	4855.5	5137.6	5408.8	5661.3	5872.7	6055.6	6216.9
-42.5°	3312.4	3613.9	3899.2	4187.6	4472.7	4722.3	4961.7	5188.5	5368.4	5530.6	5670.2
-45°	3054.2	3319.6	3581.0	3840.1	4074.7	4305.2	4522.1	4713.6	4875.8	5019.5	5140.6
-47.5°	2805.8	3031.3	3270.5	3506.8	3708.4	3905.6	4095.4	4257.8	4398.6	4524.2	4630.8
-50°	2557.6	2758.8	2967.4	3170.2	3355.0	3528.2	3687.3	3829.1	3957.5	4066.0	4157.5
-52.5°	2311.8	2498.7	2677.0	2841.9	3009.8	3169.0	3317.0	3441.0	3553.5	3653.9	3734.5
-55°	2077.2	2242.4	2409.2	2549.6	2685.3	2817.9	2941.1	3051.9	3153.9	3246.1	3318.3
-57.5°	1840.5	1984.6	2124.0	2249.9	2371.6	2488.6	2588.4	2675.3	2756.6	2831.2	2894.9
-60°	1612.1	1732.1	1849.8	1954.9	2056.4	2153.7	2238.7	2312.6	2378.2	2435.9	2488.1
-62.5°	1397.6	1500.8	1594.6	1679.4	1758.8	1838.2	1910.7	1974.6	2030.1	2077.6	2118.5
-65°	1200.4	1285.8	1360.9	1431.1	1497.0	1563.9	1622.1	1674.6	1721.3	1760.6	1792.1
-67.5°	1025.1	1092.0	1154.4	1208.8	1264.9	1321.8	1374.4	1420.4	1460.0	1491.4	1515.8
-70°	877.3	931.4	987.4	1041.6	1095.0	1143.9	1189.4	1230.1	1266.3	1293.3	1314.9
-72.5°	764.4	810.0	861.7	916.4	967.1	1015.7	1062.0	1105.1	1145.1	1170.9	1191.0
-75°	683.3	730.4	776.6	822.2	867.1	909.9	953.0	997.0	1041.4	1067.6	1088.6
-77.5°	593.8	626.8	661.1	698.4	737.9	776.3	813.9	850.9	887.3	905.5	919.3
-80°	455.3	481.6	507.4	533.6	559.9	586.9	614.1	641.1	667.7	679.9	689.1
-82.5°	296.8	314.8	332.0	348.6	364.4	377.9	390.6	402.3	413.1	418.5	422.1
-85°	155.4	163.4	170.9	178.0	184.7	188.8	192.4	195.4	197.9	201.2	204.1
-87.5°	59.8	62.1	64.3	66.4	68.5	69.5	70.4	71.2	71.9	73.0	74.0
-90°	4.6	4.3	4.0	3.7	3.4	3.1	2.9	2.6	2.3	2.3	2.3



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	22.1	21.8	22.4	23.0	22.4	21.8	22.1	22.4	22.7	23.0	22.1
87.5°	9.1	8.0	7.4	6.9	7.4	8.0	9.1	10.2	11.2	12.2	11.3
85°	16.8	14.9	13.7	12.6	13.7	14.9	16.8	18.7	20.6	22.3	21.1
82.5°	20.3	19.5	19.5	19.5	19.5	19.5	20.3	21.2	22.1	23.0	23.9
80°	23.5	23.0	23.0	23.0	23.0	23.0	23.5	24.0	24.5	25.2	27.4
77.5°	25.5	25.3	24.7	24.1	24.7	25.3	25.5	25.7	26.0	26.6	29.7
75°	23.4	23.1	23.0	23.0	23.0	23.1	23.4	23.8	24.2	25.2	28.4
72.5°	20.1	19.6	19.5	19.5	19.5	19.6	20.1	20.5	21.1	22.1	24.6
70°	17.4	17.3	16.7	16.1	16.7	17.3	17.4	17.6	17.9	18.6	20.3
67.5°	14.4	14.0	13.8	13.8	13.8	14.0	14.4	14.8	15.3	16.0	17.0
65°	12.1	11.7	11.5	11.5	11.5	11.7	12.1	12.5	13.0	13.8	14.7
62.5°	10.8	10.4	9.8	9.2	9.8	10.4	10.8	11.3	11.7	12.2	12.9
60°	9.7	9.3	8.7	8.0	8.7	9.3	9.7	10.1	10.6	11.1	11.6
57.5°	8.6	8.2	8.0	8.0	8.0	8.2	8.6	9.1	9.5	10.0	10.6
55°	7.5	7.1	6.9	6.9	6.9	7.1	7.5	8.0	8.5	9.2	9.7
52.5°	7.4	7.0	6.9	6.9	6.9	7.0	7.4	7.7	8.1	8.8	9.5
50°	8.4	8.1	8.0	8.0	8.0	8.1	8.4	8.6	8.9	9.4	9.8
47.5°	10.1	9.5	9.2	9.2	9.2	9.5	10.1	10.5	10.8	11.0	11.2
45°	13.2	12.8	12.5	12.6	12.5	12.8	13.2	13.5	14.4	14.5	13.5
42.5°	22.9	22.2	21.3	20.7	21.3	22.2	22.9	22.7	23.7	23.6	22.8
40°	40.6	39.7	38.4	37.9	38.4	39.7	40.6	40.5	42.4	40.8	41.4
37.5°	77.5	76.9	74.4	73.6	74.4	76.9	77.5	76.5	75.9	71.0	73.6
35°	137.0	138.1	135.8	135.7	135.8	138.1	137.0	137.3	134.1	122.6	128.0
32.5°	247.8	250.5	243.5	247.2	243.5	250.5	247.8	243.7	231.2	220.7	216.0
30°	405.9	415.0	411.0	412.8	411.0	415.0	405.9	406.7	381.3	367.5	344.3
27.5°	661.7	668.4	654.5	649.6	654.5	668.4	661.7	656.9	607.6	601.9	531.4
25°	1069.9	1074.2	1060.5	1065.8	1060.5	1074.2	1069.9	1048.7	1010.9	967.2	886.4
22.5°	1666.7	1650.7	1635.5	1621.1	1635.5	1650.7	1666.7	1606.6	1577.0	1478.7	1412.8
20°	2604.5	2567.7	2562.8	2535.1	2562.8	2567.7	2604.5	2533.9	2457.8	2345.7	2184.7
17.5°	4640.5	4707.3	4559.0	4272.4	4559.0	4707.3	4640.5	4405.3	4395.6	4165.1	3784.8
15°	8645.0	8958.7	9093.5	8764.4	9093.5	8958.7	8645.0	8396.6	7975.0	7419.5	6946.6
12.5°	13669.1	13890.0	14157.5	13962.3	14157.5	13890.0	13669.1	13206.6	12368.7	11558.4	10632.4
10°	18642.7	18973.3	19378.3	19195.8	19378.3	18973.3	18642.7	17964.3	17174.5	15973.2	14603.5
7.5°	23223.3	23793.1	24148.8	23920.1	24148.8	23793.1	23223.3	22574.7	21396.0	20008.0	18405.6
5°	27132.6	27583.0	27797.5	27738.3	27797.5	27583.0	27132.6	26190.6	24814.4	23233.2	21554.2
2.5°	29639.6	30115.1	30307.2	30147.5	30307.2	30115.1	29639.6	28835.7	27421.9	25572.6	23619.8
0°	30865.0	31310.5	31616.3	31640.4	31616.3	31310.5	30865.0	30211.3	28900.6	27132.4	25070.9
-2.5°	30156.8	30427.6	30573.8	30476.4	30573.8	30427.6	30156.8	29528.5	28168.2	26377.3	24380.7
-5°	28302.2	28588.5	28681.5	28794.9	28681.5	28588.5	28302.2	27597.1	26377.4	24787.8	23065.4
-7.5°	25242.6	25556.8	25788.3	25778.6	25788.3	25556.8	25242.6	24678.2	23674.7	22315.1	20747.7
-10°	22241.6	22475.0	22716.6	22676.0	22716.6	22475.0	22241.6	21626.1	20798.6	19676.1	18384.4
-12.5°	19267.5	19656.8	19751.4	19723.0	19751.4	19656.8	19267.5	18671.6	17935.3	17009.4	15980.5
-15°	16244.8	16533.3	16509.6	16433.0	16509.6	16533.3	16244.8	15658.9	15144.1	14321.0	13622.5
-17.5°	14007.0	14166.0	14226.8	14166.9	14226.8	14166.0	14007.0	13624.1	13181.8	12509.4	11823.9
-20°	12414.5	12537.4	12578.8	12606.7	12578.8	12537.4	12414.5	12122.9	11768.3	11251.6	10654.1



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11129.1	11254.6	11290.9	11338.6	11290.9	11254.6	11129.1	10880.6	10592.0	10206.2	9695.3
-25°	10051.0	10173.7	10215.2	10262.5	10215.2	10173.7	10051.0	9842.7	9572.6	9251.4	8815.5
-27.5°	9158.9	9278.7	9328.7	9364.5	9328.7	9278.7	9158.9	8978.9	8710.4	8453.5	8090.3
-30°	8456.5	8574.5	8645.8	8668.9	8645.8	8574.5	8456.5	8296.7	8071.6	7821.4	7516.6
-32.5°	7899.2	8002.2	8069.2	8103.3	8069.2	8002.2	7899.2	7746.5	7542.7	7302.7	7022.3
-35°	7402.9	7506.2	7575.9	7611.2	7575.9	7506.2	7402.9	7255.3	7068.5	6853.7	6577.8
-37.5°	6895.3	7007.9	7081.5	7083.5	7081.5	7007.9	6895.3	6753.3	6576.1	6377.6	6130.9
-40°	6335.3	6424.5	6482.9	6506.3	6482.9	6424.5	6335.3	6216.9	6055.6	5872.7	5661.3
-42.5°	5773.6	5849.4	5896.8	5916.5	5896.8	5849.4	5773.6	5670.2	5530.6	5368.4	5188.5
-45°	5237.4	5313.8	5353.3	5347.4	5353.3	5313.8	5237.4	5140.6	5019.5	4875.8	4713.6
-47.5°	4712.7	4772.0	4804.4	4811.6	4804.4	4772.0	4712.7	4630.8	4524.2	4398.6	4257.8
-50°	4235.1	4298.0	4324.8	4317.2	4324.8	4298.0	4235.1	4157.5	4066.0	3957.5	3829.1
-52.5°	3800.9	3854.3	3877.5	3874.6	3877.5	3854.3	3800.9	3734.5	3653.9	3553.5	3441.0
-55°	3377.4	3423.5	3441.9	3438.8	3441.9	3423.5	3377.4	3318.3	3246.1	3153.9	3051.9
-57.5°	2947.7	2989.3	3001.6	2993.9	3001.6	2989.3	2947.7	2894.9	2831.2	2756.6	2675.3
-60°	2531.5	2565.7	2576.3	2571.9	2576.3	2565.7	2531.5	2488.1	2435.9	2378.2	2312.6
-62.5°	2152.3	2178.7	2189.6	2190.2	2189.6	2178.7	2152.3	2118.5	2077.6	2030.1	1974.6
-65°	1817.6	1837.2	1845.9	1847.6	1845.9	1837.2	1817.6	1792.1	1760.6	1721.3	1674.6
-67.5°	1535.5	1550.8	1556.2	1556.7	1556.2	1550.8	1535.5	1515.8	1491.4	1460.0	1420.4
-70°	1334.2	1351.3	1358.4	1362.4	1358.4	1351.3	1334.2	1314.9	1293.3	1266.3	1230.1
-72.5°	1209.8	1227.4	1235.6	1241.7	1235.6	1227.4	1209.8	1191.0	1170.9	1145.1	1105.1
-75°	1108.6	1127.2	1133.0	1135.9	1133.0	1127.2	1108.6	1088.6	1067.6	1041.4	997.0
-77.5°	931.3	941.4	945.1	946.2	945.1	941.4	931.3	919.3	905.5	887.3	850.9
-80°	696.4	701.6	711.6	719.7	711.6	701.6	696.4	689.1	679.9	667.7	641.1
-82.5°	424.3	425.2	431.0	435.7	431.0	425.2	424.3	422.1	418.5	413.1	402.3
-85°	206.4	208.3	213.0	217.3	213.0	208.3	206.4	204.1	201.2	197.9	195.4
-87.5°	74.9	75.7	75.3	74.7	75.3	75.7	74.9	74.0	73.0	71.9	71.2
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21.3	20.4	19.5	19.2	19.0	18.7	18.4	17.0	15.5	14.1	12.6
87.5°	10.4	9.5	8.7	8.8	9.0	9.1	9.3	8.7	8.1	7.5	7.0
85°	20.0	18.8	17.6	17.7	17.7	17.7	17.6	17.1	16.5	15.7	14.7
82.5°	24.6	25.1	25.5	27.3	28.7	29.8	30.3	30.1	29.5	28.5	27.0
80°	29.4	31.3	33.2	36.8	40.1	42.9	45.0	45.8	46.3	46.1	44.6
77.5°	32.6	35.4	38.7	44.2	49.3	54.1	58.0	59.9	60.7	61.1	59.4
75°	31.7	35.1	39.8	47.1	54.3	61.3	66.3	69.4	71.8	73.7	71.9
72.5°	27.4	30.5	36.0	44.7	53.7	61.8	68.9	74.8	79.8	83.9	81.3
70°	22.2	24.4	29.5	37.4	46.1	55.0	64.4	74.1	84.0	90.9	86.8
67.5°	18.2	19.4	23.2	29.0	36.2	44.6	54.4	65.6	76.2	86.6	85.6
65°	15.7	16.7	19.0	22.7	27.5	33.6	41.3	51.0	62.6	74.4	76.0
62.5°	13.7	14.7	16.2	18.4	21.2	24.8	30.4	38.4	47.8	56.0	60.1
60°	12.1	12.7	13.7	15.0	16.8	19.0	22.9	28.1	34.6	41.3	45.6
57.5°	11.1	11.6	12.0	12.7	13.5	15.2	17.5	20.3	25.6	29.8	33.4
55°	10.2	10.7	11.2	11.4	11.7	12.6	13.8	15.8	18.9	21.4	25.7
52.5°	10.2	10.6	11.0	11.3	11.5	11.5	11.6	13.0	14.9	17.7	20.2
50°	10.3	10.7	11.1	11.4	11.6	11.6	11.5	11.5	13.3	15.4	17.4
47.5°	11.6	11.8	11.5	11.7	12.7	12.1	11.9	12.8	14.4	14.4	16.3
45°	15.3	15.8	14.2	16.2	17.1	16.4	14.0	17.2	18.1	17.8	16.0
42.5°	25.6	25.6	24.3	28.3	29.6	27.5	25.0	27.4	26.4	23.8	26.7
40°	44.5	42.6	44.3	48.7	50.0	46.7	47.6	44.5	41.5	35.0	45.5
37.5°	74.4	71.9	76.1	77.7	77.5	79.0	78.5	71.8	62.6	67.9	76.2
35°	119.6	116.7	121.3	119.3	114.5	126.5	122.7	107.9	100.4	108.8	114.3
32.5°	198.3	194.9	187.7	178.7	184.2	189.8	181.9	160.0	163.2	163.1	157.1
30°	320.5	305.8	280.4	281.5	291.6	275.4	254.9	262.6	251.8	229.4	207.3
27.5°	520.9	465.7	425.1	450.4	439.0	400.6	406.8	395.4	358.7	317.4	287.4
25°	836.4	741.7	721.3	707.2	651.3	639.8	643.0	589.5	502.6	442.4	483.4
22.5°	1268.7	1242.2	1162.0	1039.4	1065.0	1049.8	960.1	838.1	747.8	813.2	761.1
20°	2109.0	2013.2	1782.2	1832.7	1828.5	1565.2	1356.7	1373.3	1425.6	1311.5	1109.9
17.5°	3833.4	3362.6	3196.3	3229.9	2932.8	2394.9	2396.5	2422.1	2243.0	1909.9	1518.6
15°	6362.7	5915.7	5546.0	5087.3	4548.3	4207.0	3922.6	3656.3	3200.1	2630.2	2113.6
12.5°	9854.0	8964.9	8147.4	7427.5	6812.8	6228.6	5668.4	5068.5	4325.3	3614.4	3018.4
10°	13464.2	12160.2	11071.3	10048.1	9129.3	8304.9	7417.7	6504.3	5570.2	4684.4	3923.4
7.5°	16807.6	15331.4	13964.0	12535.8	11200.2	10086.0	9021.7	7922.4	6796.3	5743.3	4819.9
5°	19664.3	17837.6	16124.2	14492.1	13021.0	11786.0	10589.5	9316.8	7989.7	6778.5	5695.8
2.5°	21585.3	19756.8	18020.3	16264.4	14600.9	13189.9	11819.4	10363.0	8828.1	7400.1	6178.8
0°	22904.8	20866.4	19000.4	17072.3	15309.7	13925.5	12550.4	11074.2	9461.1	7894.0	6621.3
-2.5°	22282.4	20334.8	18596.1	16738.6	14997.3	13598.6	12259.2	10916.6	9334.4	7840.3	6612.9
-5°	21069.3	19159.9	17432.5	15694.7	14084.7	12802.5	11600.8	10416.1	8998.5	7669.6	6554.4
-7.5°	19137.4	17576.6	16068.1	14470.0	12979.4	11783.6	10675.0	9558.2	8310.3	7127.3	6110.5
-10°	16915.6	15598.6	14282.0	12920.0	11724.7	10695.3	9691.8	8671.4	7586.3	6551.8	5642.6
-12.5°	14748.8	13609.9	12424.9	11256.2	10342.2	9530.1	8705.7	7801.8	6841.3	5951.9	5163.9
-15°	12507.0	11806.1	10931.1	9901.9	9017.3	8401.0	7759.3	7021.9	6193.5	5383.2	4684.1
-17.5°	11163.4	10354.7	9635.6	8901.4	8140.8	7392.0	6879.5	6295.9	5621.6	4938.9	4312.4
-20°	10030.0	9389.9	8703.4	8072.6	7454.1	6821.2	6187.4	5622.8	5086.8	4530.4	4004.5



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9120.6	8579.7	8003.3	7388.8	6832.3	6299.5	5736.8	5148.1	4582.5	4132.0	3696.5
-25°	8371.9	7873.8	7388.6	6868.7	6311.9	5793.5	5304.1	4793.4	4269.5	3771.1	3396.3
-27.5°	7722.8	7299.6	6846.1	6382.7	5889.1	5378.4	4914.2	4457.8	3994.1	3545.7	3127.8
-30°	7167.7	6794.5	6383.7	5948.4	5509.7	5045.2	4575.0	4161.7	3749.3	3339.1	2949.4
-32.5°	6687.2	6360.5	5981.8	5569.2	5158.8	4745.2	4318.7	3884.6	3512.4	3151.7	2794.3
-35°	6286.0	5969.7	5604.5	5224.8	4848.7	4466.3	4065.4	3668.0	3300.7	2965.2	2636.9
-37.5°	5856.8	5568.3	5231.6	4884.2	4546.0	4192.2	3818.3	3453.6	3102.9	2789.1	2489.9
-40°	5408.8	5137.6	4855.5	4543.4	4228.2	3911.9	3569.5	3230.1	2915.3	2615.3	2339.8
-42.5°	4961.7	4722.3	4472.7	4187.6	3899.2	3613.9	3312.4	3009.0	2720.7	2447.5	2190.5
-45°	4522.1	4305.2	4074.7	3840.1	3581.0	3319.6	3054.2	2788.9	2529.2	2277.7	2034.1
-47.5°	4095.4	3905.6	3708.4	3506.8	3270.5	3031.3	2805.8	2573.5	2333.8	2100.2	1885.1
-50°	3687.3	3528.2	3355.0	3170.2	2967.4	2758.8	2557.6	2350.9	2135.2	1931.3	1732.1
-52.5°	3317.0	3169.0	3009.8	2841.9	2677.0	2498.7	2311.8	2132.1	1946.0	1759.0	1579.8
-55°	2941.1	2817.9	2685.3	2549.6	2409.2	2242.4	2077.2	1915.5	1751.5	1581.2	1430.8
-57.5°	2588.4	2488.6	2371.6	2249.9	2124.0	1984.6	1840.5	1694.3	1557.8	1417.7	1282.1
-60°	2238.7	2153.7	2056.4	1954.9	1849.8	1732.1	1612.1	1491.6	1371.2	1257.9	1143.1
-62.5°	1910.7	1838.2	1758.8	1679.4	1594.6	1500.8	1397.6	1299.9	1202.7	1104.2	1009.5
-65°	1622.1	1563.9	1497.0	1431.1	1360.9	1285.8	1200.4	1120.3	1042.3	962.5	879.7
-67.5°	1374.4	1321.8	1264.9	1208.8	1154.4	1092.0	1025.1	956.9	893.4	827.7	758.4
-70°	1189.4	1143.9	1095.0	1041.6	987.4	931.4	877.3	822.3	762.8	707.7	655.3
-72.5°	1062.0	1015.7	967.1	916.4	861.7	810.0	764.4	720.3	672.2	619.9	569.9
-75°	953.0	909.9	867.1	822.2	776.6	730.4	683.3	638.3	594.5	552.2	509.6
-77.5°	813.9	776.3	737.9	698.4	661.1	626.8	593.8	554.3	511.5	471.2	431.4
-80°	614.1	586.9	559.9	533.6	507.4	481.6	455.3	424.7	395.9	366.7	334.9
-82.5°	390.6	377.9	364.4	348.6	332.0	314.8	296.8	275.5	254.5	233.8	213.2
-85°	192.4	188.8	184.7	178.0	170.9	163.4	155.4	146.3	136.9	127.3	117.5
-87.5°	70.4	69.5	68.5	66.4	64.3	62.1	59.8	57.3	54.7	52.0	49.2
-90°	2.9	3.1	3.4	3.7	4.0	4.3	4.6	4.6	4.6	4.6	4.6



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.8	10.9	10.1	9.2	8.9	8.6	8.3	8.0	7.7	7.5	7.2
87.5°	7.7	8.3	8.8	9.2	8.6	8.0	7.5	7.0	7.1	7.1	7.1
85°	14.3	14.1	14.0	14.1	12.9	11.4	10.4	9.4	9.6	9.7	9.6
82.5°	24.4	22.5	21.2	20.1	19.4	18.4	16.8	14.9	13.3	12.4	12.1
80°	39.9	35.6	31.7	28.3	26.4	25.4	24.1	21.9	18.5	16.0	14.5
77.5°	53.7	48.3	43.3	38.2	33.9	30.8	28.8	27.6	23.5	19.5	16.6
75°	65.7	58.9	52.5	46.3	40.4	35.7	32.0	29.2	25.8	22.5	18.7
72.5°	73.9	66.9	60.4	53.3	45.6	39.3	34.5	30.8	27.1	23.6	20.3
70°	79.7	73.2	66.1	58.0	49.9	42.4	36.1	31.9	28.3	24.6	21.1
67.5°	83.3	75.9	69.2	61.9	53.5	45.3	37.5	32.9	29.2	25.6	21.8
65°	74.5	72.9	70.6	62.9	55.5	47.9	39.6	34.2	30.1	26.3	22.5
62.5°	63.2	64.5	63.4	61.5	55.8	48.6	41.7	36.2	31.0	27.0	23.1
60°	49.3	53.0	55.3	54.8	53.1	48.4	42.4	38.0	32.5	27.7	23.7
57.5°	38.2	41.8	45.6	47.8	47.4	45.6	42.6	38.6	33.8	28.6	24.3
55°	28.9	33.1	37.2	40.3	41.8	40.9	41.6	38.7	34.8	29.6	25.1
52.5°	23.3	26.7	30.4	34.0	36.3	37.0	38.7	38.8	34.8	30.4	26.1
50°	19.7	23.5	26.0	28.7	31.5	33.9	36.1	36.9	34.8	30.8	27.2
47.5°	19.7	23.5	25.0	25.3	27.6	31.2	33.8	35.0	34.7	30.7	28.3
45°	23.8	26.5	26.6	25.8	25.4	29.5	31.7	33.4	33.3	31.4	29.4
42.5°	32.1	34.1	31.8	27.5	30.1	29.0	29.9	31.8	32.1	32.3	30.4
40°	49.3	46.3	40.1	39.5	39.7	29.7	30.1	30.5	31.3	33.1	31.2
37.5°	71.8	65.4	54.7	58.3	54.2	41.7	31.3	29.3	32.1	33.7	32.1
35°	107.5	90.8	84.6	84.1	75.4	56.8	33.2	29.5	33.5	34.6	33.1
32.5°	150.1	135.3	128.9	115.3	100.5	74.8	43.4	35.3	35.7	35.7	34.1
30°	205.9	212.4	182.5	149.8	129.5	98.6	65.0	42.6	38.6	37.1	35.1
27.5°	316.8	306.5	248.5	198.5	162.0	128.0	101.9	51.2	42.3	39.1	36.2
25°	463.0	420.3	339.9	256.5	196.5	217.1	148.3	62.0	48.4	41.9	37.4
22.5°	660.2	554.9	442.5	319.8	331.0	329.9	212.4	97.2	56.1	45.0	38.8
20°	889.8	708.1	596.1	553.2	499.3	450.6	298.8	137.4	64.5	48.5	40.2
17.5°	1158.1	1042.4	981.2	838.5	694.0	582.4	398.0	181.6	73.3	52.2	41.7
15°	1803.8	1603.3	1409.8	1153.1	904.7	723.2	507.3	228.5	82.4	56.1	45.9
12.5°	2547.4	2189.9	1871.7	1490.3	1127.2	870.6	623.5	277.0	91.7	65.1	53.7
10°	3305.6	2793.9	2357.1	1842.6	1357.4	1022.1	743.2	331.2	113.5	78.3	61.7
7.5°	4068.2	3406.5	2855.3	2201.8	1584.2	1170.3	870.1	395.8	137.6	91.7	69.9
5°	4762.9	3923.5	3259.5	2490.7	1773.3	1310.2	992.9	457.9	161.7	105.1	78.2
2.5°	5175.7	4277.0	3587.6	2755.0	1952.4	1444.1	1107.5	515.8	185.3	118.3	86.4
0°	5554.3	4605.8	3890.7	2998.5	2118.9	1570.5	1210.7	568.0	208.1	131.1	94.3
-2.5°	5524.4	4611.8	3883.2	3034.8	2194.0	1636.5	1255.4	631.9	271.3	176.9	124.5
-5°	5460.7	4590.3	3850.5	3047.9	2253.1	1692.2	1287.0	688.6	332.4	221.6	153.9
-7.5°	5178.9	4421.7	3744.2	3025.6	2295.8	1736.4	1307.0	738.2	390.5	264.3	182.2
-10°	4833.6	4158.8	3537.6	2879.9	2231.7	1731.7	1311.2	780.8	445.0	304.6	208.9
-12.5°	4476.6	3885.7	3323.8	2723.9	2141.4	1683.8	1270.4	798.2	493.0	341.9	233.6
-15°	4114.1	3607.1	3107.9	2561.2	2044.3	1629.5	1226.2	801.9	522.1	372.3	255.9
-17.5°	3771.0	3327.2	2894.7	2395.6	1942.5	1569.8	1180.8	802.0	547.5	395.5	275.3
-20°	3528.8	3096.0	2687.6	2230.2	1837.7	1505.7	1136.2	799.2	569.0	415.9	292.1



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3287.8	2901.2	2509.6	2091.6	1740.8	1437.8	1094.4	793.9	586.3	433.5	306.5
-25°	3044.9	2704.0	2342.5	1981.5	1656.3	1372.7	1066.3	786.9	599.4	447.9	318.3
-27.5°	2817.9	2509.4	2182.6	1871.0	1582.1	1317.3	1048.9	797.7	610.2	459.2	327.5
-30°	2599.3	2333.6	2050.2	1766.5	1504.7	1262.1	1031.8	804.0	620.9	468.2	333.9
-32.5°	2450.0	2172.6	1927.2	1676.5	1434.2	1204.2	999.2	804.8	627.5	474.1	339.6
-35°	2333.7	2052.5	1809.8	1585.1	1365.1	1153.1	958.7	800.1	629.9	476.3	343.3
-37.5°	2206.6	1948.1	1709.1	1498.5	1293.4	1097.5	923.4	774.0	628.1	474.6	344.4
-40°	2082.5	1838.9	1615.6	1417.9	1225.5	1037.7	884.3	746.6	622.2	469.1	342.8
-42.5°	1948.5	1727.4	1523.1	1335.1	1155.6	990.0	842.3	715.4	597.0	462.8	338.4
-45°	1816.9	1611.9	1426.0	1252.1	1084.5	938.8	803.3	680.7	566.8	454.6	331.9
-47.5°	1679.5	1497.8	1326.4	1163.5	1023.3	885.3	760.0	643.7	534.1	442.5	323.1
-50°	1547.1	1381.1	1224.5	1082.0	953.7	832.3	713.3	603.8	503.9	416.3	311.5
-52.5°	1416.0	1265.1	1126.0	998.8	884.5	774.6	665.3	561.4	470.9	388.6	297.1
-55°	1284.9	1151.5	1027.5	916.7	812.8	715.1	614.0	520.5	435.4	359.3	280.2
-57.5°	1158.5	1037.1	933.3	834.5	740.1	651.2	562.3	476.5	399.1	328.4	262.2
-60°	1032.8	933.9	839.9	750.7	665.4	586.3	508.8	431.0	361.5	296.6	238.2
-62.5°	917.5	829.2	744.5	664.2	591.2	521.6	453.2	385.9	322.1	266.5	212.0
-65°	802.4	724.1	646.5	582.2	518.4	457.6	399.6	338.9	286.0	235.5	186.5
-67.5°	688.3	626.8	560.3	501.0	451.2	400.1	345.1	296.5	250.2	203.8	164.2
-70°	599.5	539.2	482.6	435.9	390.8	343.9	299.8	255.8	213.6	178.2	141.5
-72.5°	523.9	474.4	421.4	374.1	338.0	298.8	256.3	216.5	185.1	152.4	118.5
-75°	462.8	412.9	366.7	327.3	291.8	253.5	216.5	185.3	156.3	126.3	97.9
-77.5°	389.0	349.6	313.6	274.6	238.2	205.9	178.1	153.8	126.6	100.7	77.7
-80°	298.6	264.5	232.7	203.7	178.5	156.6	136.7	116.6	94.4	74.4	56.9
-82.5°	190.1	171.2	154.1	137.9	122.4	107.1	92.0	76.9	61.4	47.6	39.3
-85°	107.0	96.9	87.4	78.4	67.8	57.3	50.9	44.8	39.1	33.7	28.7
-87.5°	47.1	44.9	42.6	40.1	36.5	33.0	29.6	26.5	23.4	20.6	18.0
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.9	6.6	6.3	6.0	5.7	5.2	4.6
87.5°	7.0	6.4	5.9	5.5	5.1	4.8	4.6
85°	9.3	8.2	7.2	6.3	5.6	5.0	4.6
82.5°	11.7	10.0	8.5	7.2	6.1	5.2	4.6
80°	13.9	11.7	9.7	8.0	6.6	5.4	4.6
77.5°	14.9	13.0	10.9	8.8	7.0	5.6	4.6
75°	15.9	13.6	12.0	9.6	7.5	5.8	4.6
72.5°	16.9	14.1	12.2	10.4	8.0	6.0	4.6
70°	17.7	14.6	12.4	11.0	8.4	6.1	4.6
67.5°	18.4	15.0	12.5	11.0	8.8	6.3	4.6
65°	19.1	15.5	12.6	10.9	9.2	6.5	4.6
62.5°	19.7	16.1	12.6	10.8	9.6	6.6	4.6
60°	20.4	16.7	12.6	10.7	10.0	6.8	4.6
57.5°	21.1	17.3	13.1	10.6	9.9	6.9	4.6
55°	21.9	17.9	13.6	10.4	9.8	7.1	4.6
52.5°	22.8	18.5	14.1	10.2	9.7	7.2	4.6
50°	23.7	19.3	14.5	9.9	9.7	7.4	4.6
47.5°	24.6	20.1	15.0	9.8	9.6	7.5	4.6
45°	25.5	20.9	15.4	10.2	9.6	7.6	4.6
42.5°	26.5	21.7	15.8	10.5	9.6	7.7	4.6
40°	27.4	22.5	16.3	11.0	9.5	7.8	4.6
37.5°	28.4	23.3	16.9	11.6	9.5	7.9	4.6
35°	29.3	24.1	17.5	12.2	9.5	7.9	4.6
32.5°	30.1	24.8	18.1	12.8	9.6	8.0	4.6
30°	30.9	25.4	18.6	13.4	9.6	8.0	4.6
27.5°	31.7	26.1	19.8	14.0	9.6	8.1	4.6
25°	32.6	26.7	21.0	14.6	9.7	8.1	4.6
22.5°	33.4	27.7	22.3	15.2	9.7	8.1	4.6
20°	34.2	29.9	23.5	15.8	9.8	8.2	4.6
17.5°	37.1	32.1	24.8	16.4	9.9	8.2	4.6
15°	41.6	34.5	26.0	16.9	9.9	8.2	4.6
12.5°	46.3	36.9	27.2	17.4	10.0	8.2	4.6
10°	51.1	39.3	28.3	17.9	10.1	8.1	4.6
7.5°	55.9	41.6	29.4	18.4	10.1	8.1	4.6
5°	60.8	44.0	30.4	18.8	10.2	8.1	4.6
2.5°	65.5	46.2	31.3	19.2	10.2	8.0	4.6
0°	70.1	48.3	32.2	19.5	10.3	8.0	4.6
-2.5°	88.4	58.8	37.6	21.9	11.1	8.2	4.6
-5°	106.2	69.0	42.9	24.2	11.9	8.3	4.6
-7.5°	123.3	78.7	47.9	26.4	12.6	8.5	4.6
-10°	139.5	88.0	52.7	28.5	13.4	8.6	4.6
-12.5°	154.4	96.6	57.1	30.4	14.1	8.8	4.6
-15°	168.0	104.4	61.1	32.2	14.7	8.9	4.6
-17.5°	179.9	111.3	64.7	33.7	15.3	9.0	4.6
-20°	191.2	117.3	67.7	35.1	15.9	9.1	4.6



REPORT NUMBER: P701433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	202.5	122.1	70.2	36.2	16.4	9.2	4.6
-25°	212.1	128.4	72.2	37.0	16.8	9.3	4.6
-27.5°	220.0	134.4	73.5	37.6	17.2	9.3	4.6
-30°	226.0	139.1	74.4	37.9	17.5	9.3	4.6
-32.5°	230.1	142.5	76.8	37.9	17.7	9.3	4.6
-35°	233.3	144.3	78.3	37.6	17.9	9.3	4.6
-37.5°	234.9	145.2	78.9	37.0	18.0	9.3	4.6
-40°	234.3	145.5	78.6	36.1	18.0	9.3	4.6
-42.5°	231.6	144.3	78.0	35.2	17.9	9.2	4.6
-45°	226.6	141.6	77.3	34.6	17.7	9.1	4.6
-47.5°	219.6	137.4	75.8	33.6	17.4	9.0	4.6
-50°	211.8	131.8	73.4	33.2	17.1	8.9	4.6
-52.5°	202.2	124.7	70.3	32.9	16.7	8.8	4.6
-55°	190.6	118.3	66.3	32.2	16.2	8.6	4.6
-57.5°	177.0	111.2	61.7	31.2	15.6	8.5	4.6
-60°	162.0	103.0	56.4	29.9	15.0	8.3	4.6
-62.5°	148.7	93.7	53.0	28.2	14.4	8.1	4.6
-65°	133.9	83.4	49.0	26.3	13.8	7.9	4.6
-67.5°	117.8	74.0	44.5	24.0	13.2	7.6	4.6
-70°	100.5	65.7	39.5	21.6	12.5	7.4	4.6
-72.5°	86.5	56.7	34.2	19.8	11.7	7.2	4.6
-75°	72.2	47.2	28.5	18.0	10.9	6.9	4.6
-77.5°	57.2	37.2	24.6	16.2	10.1	6.6	4.6
-80°	41.6	30.0	21.1	14.2	9.3	6.3	4.6
-82.5°	32.5	24.3	17.5	12.2	8.4	6.0	4.6
-85°	24.0	18.5	13.8	10.2	7.5	5.7	4.6
-87.5°	15.5	12.6	10.1	8.1	6.6	5.5	4.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6

(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

