

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: P701424 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-4S-HEG-S**

Issue Date: 8/15/2023

Test Information

Test Method: LM-79-08
Report Number: P701424 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-80-4S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

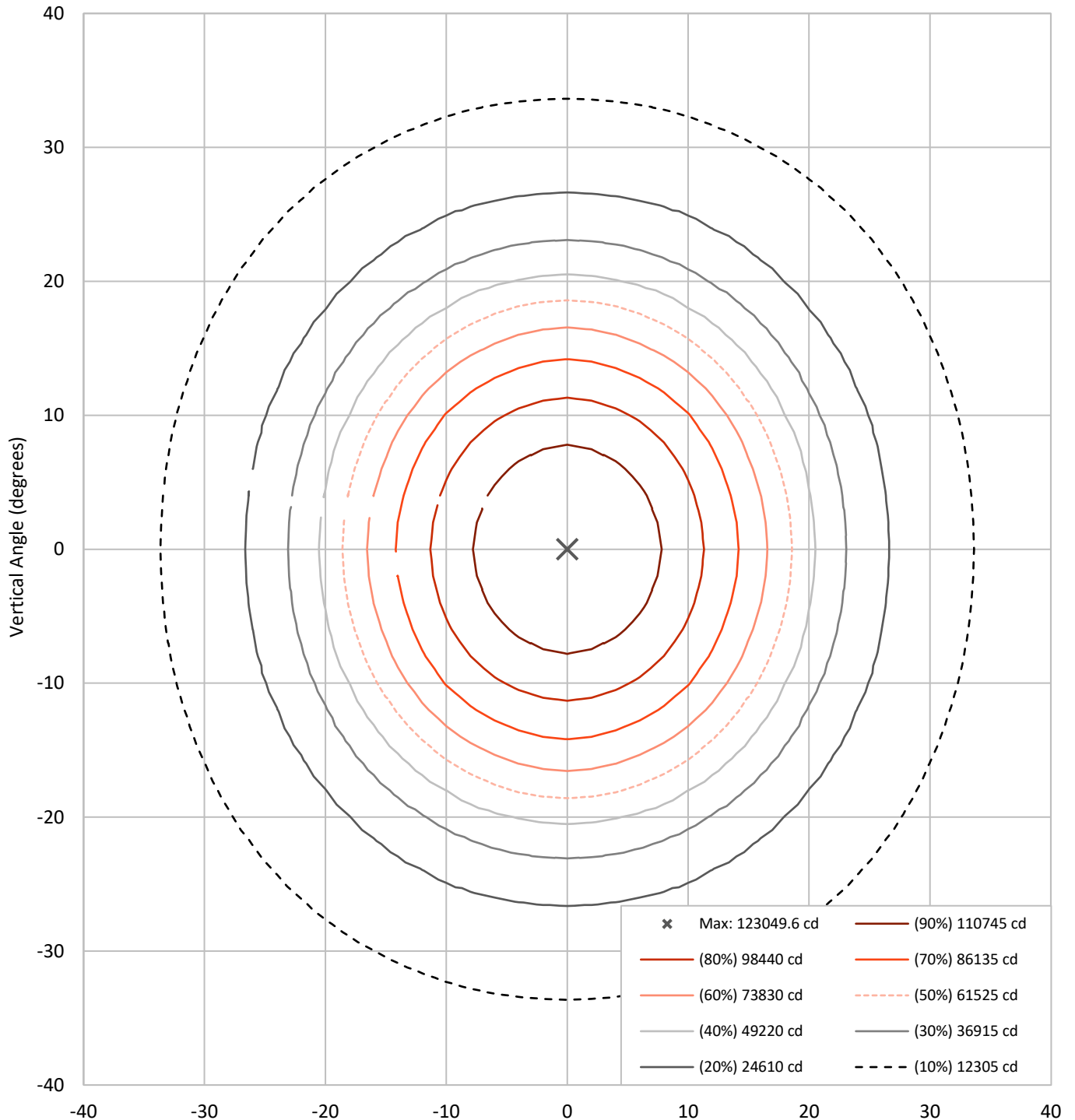
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	56825.5 lumens	Max Intensity:	123049.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	165.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	29582.8 lumens	Field Lumens:	49694.2 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%

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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Iso-Candela Plot





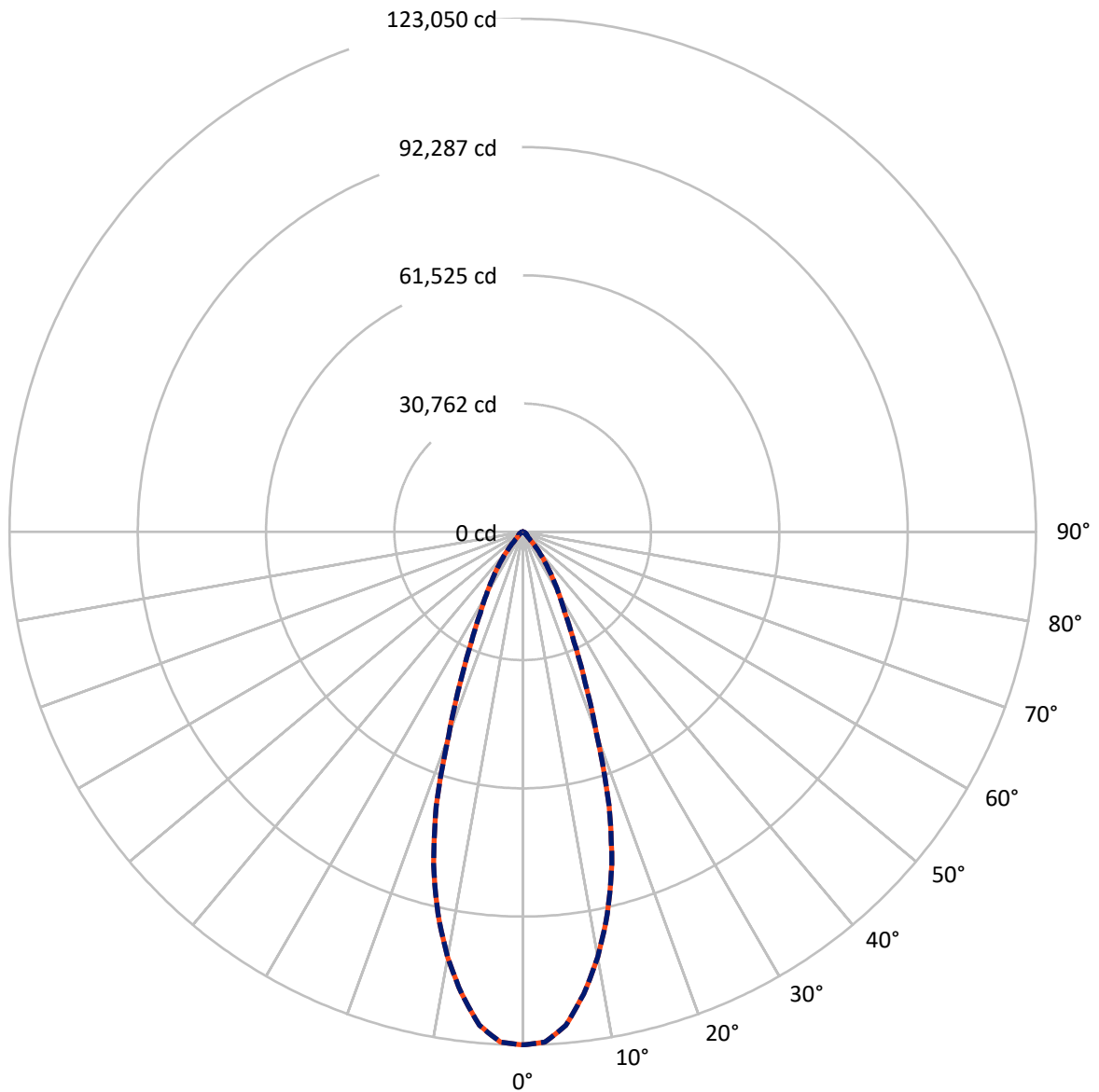
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Lumen Table

90																
80	0.1	0.4		1.7		4.0		5.3		4.0		1.7		0.4		0.1
70																
60	0.2	0.3	1.0	2.8	5.9	9.6	12.8	14.6	14.6	12.8	9.6	5.9	2.8	1.0	0.3	0.2
50		0.8	3.4	9.1	16.8	23.6	28.6	31.4	31.4	28.6	23.6	16.8	9.1	3.4	0.8	
40	0.6	1.8	7.5	17.0	26.5	36.7	52.8	69.6	69.6	52.8	36.7	26.5	17.0	7.5	1.8	0.6
30		3.2	11.9	22.9	39.7	106.9	226.2	313.8	313.8	226.2	106.9	39.7	22.9	11.9	3.2	
20	1.2	4.6	15.1	28.8	97.3	304.1	594.7	884.3	884.3	594.7	304.1	97.3	28.8	15.1	4.6	1.2
10		5.8	17.1	39.1	193.7	560.0	1386.8	2276.5	2276.5	1386.8	560.0	193.7	39.1	17.1	5.8	
0	1.5	6.4	18.2	50.4	260.7	809.7	2212.1	3332.1	3332.1	2212.1	809.7	260.7	50.4	18.2	6.4	1.5
-10		6.4	18.2	50.4	260.7	809.7	2212.1	3332.1	3332.1	2212.1	809.7	260.7	50.4	18.2	6.4	
-20	1.2	5.8	17.1	39.1	193.7	560.0	1386.8	2276.5	2276.5	1386.8	560.0	193.7	39.1	17.1	5.8	1.2
-30		4.6	15.1	28.8	97.3	304.1	594.7	884.3	884.3	594.7	304.1	97.3	28.8	15.1	4.6	
-40	0.6	3.2	11.9	22.9	39.7	106.9	226.2	313.8	313.8	226.2	106.9	39.7	22.9	11.9	3.2	0.6
-50		1.8	7.5	17.0	26.5	36.7	52.8	69.6	69.6	52.8	36.7	26.5	17.0	7.5	1.8	
-60	0.2	0.8	3.4	9.1	16.8	23.6	28.6	31.4	31.4	28.6	23.6	16.8	9.1	3.4	0.8	0.2
-70		0.3	1.0	2.8	5.9	9.6	12.8	14.6	14.6	12.8	9.6	5.9	2.8	1.0	0.3	
-80																
-90	0.1	0.4		1.7		4.0		5.3		4.0		1.7		0.4		0.1

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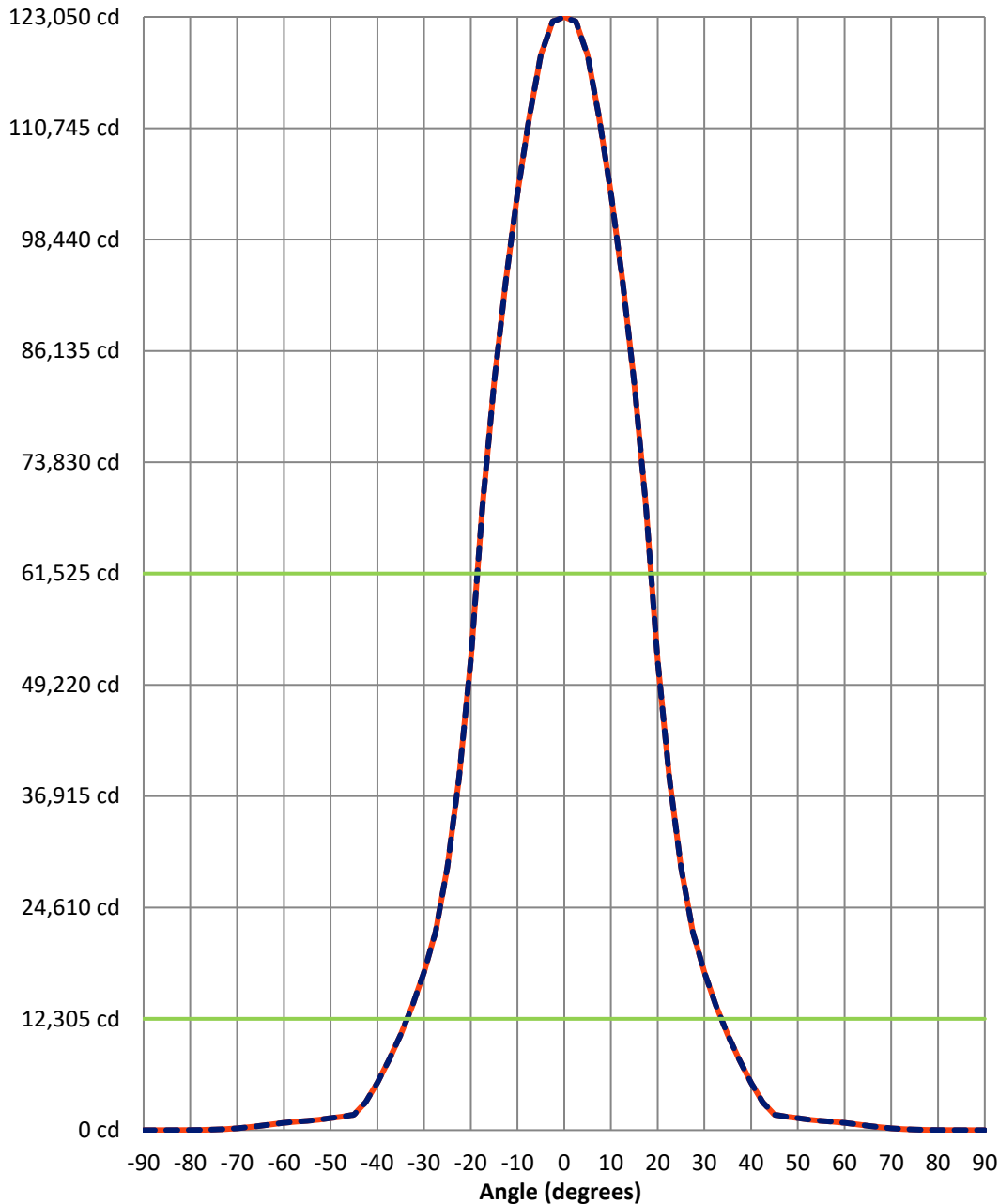
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 37.2°
 V Angle: 37.2°
 Lumens: 29582.8
 Efficiency: 52.1%

Field:
 H Angle: 67.2°
 V Angle: 67.2°
 Lumens: 49694.2
 Efficiency: 87.5%

Spill:
 Lumens: 7131.3
 Efficiency: 12.5%

- 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
85°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
82.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.6
80°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.8	4.3	4.8
77.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.2
75°	0.0	0.7	1.4	2.2	2.9	3.6	4.4	5.1	5.8	7.0	8.1
72.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.1	6.1	7.4	8.7	10.0
70°	0.0	1.0	1.9	2.9	3.8	4.8	5.8	7.4	8.9	10.4	11.9
67.5°	0.0	1.1	2.1	3.2	4.3	5.4	7.0	8.7	10.4	12.1	13.8
65°	0.0	1.2	2.4	3.6	4.8	6.2	8.1	10.0	11.9	13.8	16.9
62.5°	0.0	1.3	2.6	3.9	5.2	7.1	9.2	11.3	13.4	16.2	22.7
60°	0.0	1.4	2.8	4.2	5.7	8.0	10.3	12.6	14.8	21.4	28.5
57.5°	0.0	1.5	3.0	4.6	6.4	8.9	11.3	13.8	18.7	26.4	39.5
55°	0.0	1.6	3.2	4.9	7.0	9.7	12.4	15.0	23.1	33.0	52.9
52.5°	0.0	1.7	3.4	5.2	7.7	10.5	13.3	18.4	27.4	44.6	65.8
50°	0.0	1.8	3.6	5.5	8.3	11.3	14.3	22.1	33.3	56.0	82.8
47.5°	0.0	1.9	3.8	5.8	9.0	12.1	15.5	25.6	43.0	67.0	99.6
45°	0.0	2.0	4.0	6.3	9.6	12.9	18.4	28.9	52.4	81.5	115.9
42.5°	0.0	2.1	4.2	6.7	10.1	13.6	21.2	34.9	61.4	95.5	141.0
40°	0.0	2.1	4.3	7.1	10.7	14.2	23.8	42.4	71.1	109.0	166.6
37.5°	0.0	2.2	4.5	7.5	11.2	14.9	26.3	49.5	82.4	124.3	191.0
35°	0.0	2.3	4.6	7.8	11.7	16.4	28.7	56.3	93.1	145.0	218.0
32.5°	0.0	2.4	4.8	8.2	12.1	18.2	31.9	62.6	103.2	164.5	249.3
30°	0.0	2.4	4.9	8.5	12.6	20.0	37.0	69.1	112.7	182.8	278.6
27.5°	0.0	2.5	5.0	8.8	13.0	21.6	41.7	76.8	123.8	199.8	305.9
25°	0.0	2.5	5.2	9.1	13.3	23.1	46.0	83.8	137.6	220.0	331.4
22.5°	0.0	2.6	5.3	9.3	13.7	24.4	50.0	90.2	150.3	240.5	359.1
20°	0.0	2.6	5.3	9.5	14.0	25.6	53.6	96.0	161.7	259.0	384.2
17.5°	0.0	2.7	5.4	9.7	14.2	26.7	56.7	101.2	171.8	275.5	406.5
15°	0.0	2.7	5.5	9.9	14.5	27.7	59.5	105.7	180.6	289.8	425.9
12.5°	0.0	2.7	5.6	10.1	14.6	28.5	61.8	109.5	188.1	302.1	442.5
10°	0.0	2.8	5.6	10.2	14.8	29.1	63.8	112.6	194.3	312.1	456.1
7.5°	0.0	2.8	5.7	10.3	14.9	29.6	65.3	115.0	199.1	320.0	466.8
5°	0.0	2.8	5.7	10.3	15.0	30.0	66.3	116.8	202.5	325.6	474.4
2.5°	0.0	2.8	5.7	10.4	15.1	30.2	67.0	117.8	204.6	329.0	479.0
0°	0.0	2.8	5.7	10.4	15.1	30.3	67.2	118.2	205.3	330.1	480.5
-2.5°	0.0	2.8	5.7	10.4	15.1	30.2	67.0	117.8	204.6	329.0	479.0
-5°	0.0	2.8	5.7	10.3	15.0	30.0	66.3	116.8	202.5	325.6	474.4
-7.5°	0.0	2.8	5.7	10.3	14.9	29.6	65.3	115.0	199.1	320.0	466.8
-10°	0.0	2.8	5.6	10.2	14.8	29.1	63.8	112.6	194.3	312.1	456.1
-12.5°	0.0	2.7	5.6	10.1	14.6	28.5	61.8	109.5	188.1	302.1	442.5
-15°	0.0	2.7	5.5	9.9	14.5	27.7	59.5	105.7	180.6	289.8	425.9
-17.5°	0.0	2.7	5.4	9.7	14.2	26.7	56.7	101.2	171.8	275.5	406.5
-20°	0.0	2.6	5.3	9.5	14.0	25.6	53.6	96.0	161.7	259.0	384.2



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.6	5.3	9.3	13.7	24.4	50.0	90.2	150.3	240.5	359.1
-25°	0.0	2.5	5.2	9.1	13.3	23.1	46.0	83.8	137.6	220.0	331.4
-27.5°	0.0	2.5	5.0	8.8	13.0	21.6	41.7	76.8	123.8	199.8	305.9
-30°	0.0	2.4	4.9	8.5	12.6	20.0	37.0	69.1	112.7	182.8	278.6
-32.5°	0.0	2.4	4.8	8.2	12.1	18.2	31.9	62.6	103.2	164.5	249.3
-35°	0.0	2.3	4.6	7.8	11.7	16.4	28.7	56.3	93.1	145.0	218.0
-37.5°	0.0	2.2	4.5	7.5	11.2	14.9	26.3	49.5	82.4	124.3	191.0
-40°	0.0	2.1	4.3	7.1	10.7	14.2	23.8	42.4	71.1	109.0	166.6
-42.5°	0.0	2.1	4.2	6.7	10.1	13.6	21.2	34.9	61.4	95.5	141.0
-45°	0.0	2.0	4.0	6.3	9.6	12.9	18.4	28.9	52.4	81.5	115.9
-47.5°	0.0	1.9	3.8	5.8	9.0	12.1	15.5	25.6	43.0	67.0	99.6
-50°	0.0	1.8	3.6	5.5	8.3	11.3	14.3	22.1	33.3	56.0	82.8
-52.5°	0.0	1.7	3.4	5.2	7.7	10.5	13.3	18.4	27.4	44.6	65.8
-55°	0.0	1.6	3.2	4.9	7.0	9.7	12.4	15.0	23.1	33.0	52.9
-57.5°	0.0	1.5	3.0	4.6	6.4	8.9	11.3	13.8	18.7	26.4	39.5
-60°	0.0	1.4	2.8	4.2	5.7	8.0	10.3	12.6	14.8	21.4	28.5
-62.5°	0.0	1.3	2.6	3.9	5.2	7.1	9.2	11.3	13.4	16.2	22.7
-65°	0.0	1.2	2.4	3.6	4.8	6.2	8.1	10.0	11.9	13.8	16.9
-67.5°	0.0	1.1	2.1	3.2	4.3	5.4	7.0	8.7	10.4	12.1	13.8
-70°	0.0	1.0	1.9	2.9	3.8	4.8	5.8	7.4	8.9	10.4	11.9
-72.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.1	6.1	7.4	8.7	10.0
-75°	0.0	0.7	1.4	2.2	2.9	3.6	4.4	5.1	5.8	7.0	8.1
-77.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.2
-80°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.8	4.3	4.8
-82.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.6
-85°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
-87.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
-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):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2
85°	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.3	4.5
82.5°	3.9	4.2	4.6	4.9	5.2	5.5	5.8	6.3	6.7	7.1	7.5
80°	5.2	5.7	6.4	7.0	7.7	8.3	9.0	9.6	10.1	10.7	11.2
77.5°	7.1	8.0	8.9	9.7	10.5	11.3	12.1	12.9	13.6	14.2	14.9
75°	9.2	10.3	11.3	12.4	13.3	14.3	15.5	18.4	21.2	23.8	26.3
72.5°	11.3	12.6	13.8	15.0	18.4	22.1	25.6	28.9	34.9	42.4	49.5
70°	13.4	14.8	18.7	23.1	27.4	33.3	43.0	52.4	61.4	71.1	82.4
67.5°	16.2	21.4	26.4	33.0	44.6	56.0	67.0	81.5	95.5	109.0	124.3
65°	22.7	28.5	39.5	52.9	65.8	82.8	99.6	115.9	141.0	166.6	191.0
62.5°	29.1	42.8	57.8	74.5	94.2	113.4	141.8	172.4	201.9	241.0	279.7
60°	42.8	59.5	79.1	101.2	125.9	161.7	196.3	240.5	286.8	331.4	382.5
57.5°	57.8	79.1	103.5	133.9	173.7	215.5	269.4	321.6	380.5	438.7	496.0
55°	74.5	101.2	133.9	177.7	227.1	286.9	348.1	416.0	481.6	551.8	619.1
52.5°	94.2	125.9	173.7	227.1	292.8	362.3	437.5	513.8	592.3	667.1	736.7
50°	113.4	161.7	215.5	286.9	362.3	444.7	530.0	616.8	698.7	776.6	841.3
47.5°	141.8	196.3	269.4	348.1	437.5	530.0	625.0	714.7	800.7	866.2	927.4
45°	172.4	240.5	321.6	416.0	513.8	616.8	714.7	808.8	878.8	943.2	993.8
42.5°	201.9	286.8	380.5	481.6	592.3	698.7	800.7	878.8	948.1	1003.9	1067.7
40°	241.0	331.4	438.7	551.8	667.1	776.6	866.2	943.2	1003.9	1074.6	1150.4
37.5°	279.7	382.5	496.0	619.1	736.7	841.3	927.4	993.8	1067.7	1150.4	1261.8
35°	316.4	431.1	555.0	681.7	803.1	896.0	973.9	1047.4	1136.5	1251.8	1366.8
32.5°	355.3	477.0	610.9	740.0	852.7	944.3	1017.2	1109.0	1221.9	1348.6	1460.6
30°	394.5	524.6	662.8	794.9	898.2	982.4	1068.3	1172.8	1309.9	1432.6	1571.6
27.5°	431.1	569.5	709.9	837.4	938.8	1018.2	1119.4	1250.2	1386.6	1519.4	1688.1
25°	464.8	610.9	753.5	873.8	969.4	1059.3	1172.4	1322.5	1456.1	1621.7	2247.6
22.5°	497.4	648.8	793.5	907.2	997.6	1099.9	1234.2	1383.3	1530.8	1740.1	2886.1
20°	528.4	681.7	824.8	936.2	1023.2	1136.8	1290.5	1437.8	1611.5	2284.9	3689.4
17.5°	556.1	711.1	849.4	957.1	1052.2	1176.2	1340.1	1486.7	1684.2	2776.4	4517.8
15°	580.2	736.7	871.0	975.5	1078.9	1217.1	1379.9	1543.6	1937.9	3280.9	5256.0
12.5°	600.8	758.6	889.4	991.2	1101.6	1252.0	1413.9	1594.3	2282.9	3865.1	6004.4
10°	617.7	776.6	904.6	1004.1	1120.4	1280.9	1442.0	1636.3	2569.0	4350.6	6627.7
7.5°	630.9	790.6	916.5	1014.2	1135.1	1303.5	1464.1	1669.3	2794.0	4733.0	7119.5
5°	640.4	800.7	925.0	1021.5	1145.6	1319.7	1479.9	1693.1	2956.1	5008.8	7474.8
2.5°	646.1	806.8	930.1	1025.8	1152.0	1329.5	1489.5	1707.4	3053.9	5175.4	7689.6
0°	648.0	808.8	931.8	1027.3	1154.1	1332.8	1492.7	1712.2	3086.6	5231.1	7761.5
-2.5°	646.1	806.8	930.1	1025.8	1152.0	1329.5	1489.5	1707.4	3053.9	5175.4	7689.6
-5°	640.4	800.7	925.0	1021.5	1145.6	1319.7	1479.9	1693.1	2956.1	5008.8	7474.8
-7.5°	630.9	790.6	916.5	1014.2	1135.1	1303.5	1464.1	1669.3	2794.0	4733.0	7119.5
-10°	617.7	776.6	904.6	1004.1	1120.4	1280.9	1442.0	1636.3	2569.0	4350.6	6627.7
-12.5°	600.8	758.6	889.4	991.2	1101.6	1252.0	1413.9	1594.3	2282.9	3865.1	6004.4
-15°	580.2	736.7	871.0	975.5	1078.9	1217.1	1379.9	1543.6	1937.9	3280.9	5256.0
-17.5°	556.1	711.1	849.4	957.1	1052.2	1176.2	1340.1	1486.7	1684.2	2776.4	4517.8
-20°	528.4	681.7	824.8	936.2	1023.2	1136.8	1290.5	1437.8	1611.5	2284.9	3689.4



REPORT NUMBER: P701424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	497.4	648.8	793.5	907.2	997.6	1099.9	1234.2	1383.3	1530.8	1740.1	2886.1
-25°	464.8	610.9	753.5	873.8	969.4	1059.3	1172.4	1322.5	1456.1	1621.7	2247.6
-27.5°	431.1	569.5	709.9	837.4	938.8	1018.2	1119.4	1250.2	1386.6	1519.4	1688.1
-30°	394.5	524.6	662.8	794.9	898.2	982.4	1068.3	1172.8	1309.9	1432.6	1571.6
-32.5°	355.3	477.0	610.9	740.0	852.7	944.3	1017.2	1109.0	1221.9	1348.6	1460.6
-35°	316.4	431.1	555.0	681.7	803.1	896.0	973.9	1047.4	1136.5	1251.8	1366.8
-37.5°	279.7	382.5	496.0	619.1	736.7	841.3	927.4	993.8	1067.7	1150.4	1261.8
-40°	241.0	331.4	438.7	551.8	667.1	776.6	866.2	943.2	1003.9	1074.6	1150.4
-42.5°	201.9	286.8	380.5	481.6	592.3	698.7	800.7	878.8	948.1	1003.9	1067.7
-45°	172.4	240.5	321.6	416.0	513.8	616.8	714.7	808.8	878.8	943.2	993.8
-47.5°	141.8	196.3	269.4	348.1	437.5	530.0	625.0	714.7	800.7	866.2	927.4
-50°	113.4	161.7	215.5	286.9	362.3	444.7	530.0	616.8	698.7	776.6	841.3
-52.5°	94.2	125.9	173.7	227.1	292.8	362.3	437.5	513.8	592.3	667.1	736.7
-55°	74.5	101.2	133.9	177.7	227.1	286.9	348.1	416.0	481.6	551.8	619.1
-57.5°	57.8	79.1	103.5	133.9	173.7	215.5	269.4	321.6	380.5	438.7	496.0
-60°	42.8	59.5	79.1	101.2	125.9	161.7	196.3	240.5	286.8	331.4	382.5
-62.5°	29.1	42.8	57.8	74.5	94.2	113.4	141.8	172.4	201.9	241.0	279.7
-65°	22.7	28.5	39.5	52.9	65.8	82.8	99.6	115.9	141.0	166.6	191.0
-67.5°	16.2	21.4	26.4	33.0	44.6	56.0	67.0	81.5	95.5	109.0	124.3
-70°	13.4	14.8	18.7	23.1	27.4	33.3	43.0	52.4	61.4	71.1	82.4
-72.5°	11.3	12.6	13.8	15.0	18.4	22.1	25.6	28.9	34.9	42.4	49.5
-75°	9.2	10.3	11.3	12.4	13.3	14.3	15.5	18.4	21.2	23.8	26.3
-77.5°	7.1	8.0	8.9	9.7	10.5	11.3	12.1	12.9	13.6	14.2	14.9
-80°	5.2	5.7	6.4	7.0	7.7	8.3	9.0	9.6	10.1	10.7	11.2
-82.5°	3.9	4.2	4.6	4.9	5.2	5.5	5.8	6.3	6.7	7.1	7.5
-85°	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.3	4.5
-87.5°	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701424 (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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8
85°	4.6	4.8	4.9	5.0	5.2	5.3	5.3	5.4	5.5	5.6	5.6
82.5°	7.8	8.2	8.5	8.8	9.1	9.3	9.5	9.7	9.9	10.1	10.2
80°	11.7	12.1	12.6	13.0	13.3	13.7	14.0	14.2	14.5	14.6	14.8
77.5°	16.4	18.2	20.0	21.6	23.1	24.4	25.6	26.7	27.7	28.5	29.1
75°	28.7	31.9	37.0	41.7	46.0	50.0	53.6	56.7	59.5	61.8	63.8
72.5°	56.3	62.6	69.1	76.8	83.8	90.2	96.0	101.2	105.7	109.5	112.6
70°	93.1	103.2	112.7	123.8	137.6	150.3	161.7	171.8	180.6	188.1	194.3
67.5°	145.0	164.5	182.8	199.8	220.0	240.5	259.0	275.5	289.8	302.1	312.1
65°	218.0	249.3	278.6	305.9	331.4	359.1	384.2	406.5	425.9	442.5	456.1
62.5°	316.4	355.3	394.5	431.1	464.8	497.4	528.4	556.1	580.2	600.8	617.7
60°	431.1	477.0	524.6	569.5	610.9	648.8	681.7	711.1	736.7	758.6	776.6
57.5°	555.0	610.9	662.8	709.9	753.5	793.5	824.8	849.4	871.0	889.4	904.6
55°	681.7	740.0	794.9	837.4	873.8	907.2	936.2	957.1	975.5	991.2	1004.1
52.5°	803.1	852.7	898.2	938.8	969.4	997.6	1023.2	1052.2	1078.9	1101.6	1120.4
50°	896.0	944.3	982.4	1018.2	1059.3	1099.9	1136.8	1176.2	1217.1	1252.0	1280.9
47.5°	973.9	1017.2	1068.3	1119.4	1172.4	1234.2	1290.5	1340.1	1379.9	1413.9	1442.0
45°	1047.4	1109.0	1172.8	1250.2	1322.5	1383.3	1437.8	1486.7	1543.6	1594.3	1636.3
42.5°	1136.5	1221.9	1309.9	1386.6	1456.1	1530.8	1611.5	1684.2	1937.9	2282.9	2569.0
40°	1251.8	1348.6	1432.6	1519.4	1621.7	1740.1	2284.9	2776.4	3280.9	3865.1	4350.6
37.5°	1366.8	1460.6	1571.6	1688.1	2247.6	2886.1	3689.4	4517.8	5256.0	6004.4	6627.7
35°	1470.0	1597.9	1814.8	2592.8	3461.1	4530.0	5566.7	6622.0	7560.6	8435.7	9183.3
32.5°	1597.9	1900.0	2767.6	3880.8	5103.4	6432.2	7683.0	8929.9	10050.2	11092.9	12027.0
30°	1814.8	2767.6	4021.9	5423.6	6962.0	8474.9	9956.0	11421.8	12813.2	14074.4	15262.0
27.5°	2592.8	3880.8	5423.6	7140.4	8881.4	10591.6	12414.5	14147.8	15904.3	17445.0	19030.9
25°	3461.1	5103.4	6962.0	8881.4	10835.0	12920.5	15063.9	17169.5	19435.3	21489.4	23950.3
22.5°	4530.0	6432.2	8474.9	10591.6	12920.5	15373.7	17897.0	20670.6	23899.8	27432.3	30994.5
20°	5566.7	7683.0	9956.0	12414.5	15063.9	17897.0	21089.5	25283.0	29816.2	35216.8	40167.0
17.5°	6622.0	8929.9	11421.8	14147.8	17169.5	20670.6	25283.0	30848.4	37405.9	44716.9	51530.7
15°	7560.6	10050.2	12813.2	15904.3	19435.3	23899.8	29816.2	37405.9	46277.5	55773.7	65730.0
12.5°	8435.7	11092.9	14074.4	17445.0	21489.4	27432.3	35216.8	44716.9	55773.7	68148.2	77304.5
10°	9183.3	12027.0	15262.0	19030.9	23950.3	30994.5	40167.0	51530.7	65730.0	77304.5	86738.0
7.5°	9774.6	12767.8	16207.1	20299.5	26151.2	34398.9	45160.5	58756.2	73072.5	84670.1	93945.3
5°	10202.5	13305.1	16894.4	21225.2	27764.4	36908.7	48870.3	64273.9	78205.0	89721.3	99085.6
2.5°	10461.6	13630.8	17311.9	21789.0	28749.9	38448.4	51159.5	67706.7	81436.5	92820.8	102378.1
0°	10548.3	13740.0	17451.9	21978.3	29081.5	38967.6	51933.8	68873.0	82542.0	93848.5	103542.2
-2.5°	10461.6	13630.8	17311.9	21789.0	28749.9	38448.4	51159.5	67706.7	81436.5	92820.8	102378.1
-5°	10202.5	13305.1	16894.4	21225.2	27764.4	36908.7	48870.3	64273.9	78205.0	89721.3	99085.6
-7.5°	9774.6	12767.8	16207.1	20299.5	26151.2	34398.9	45160.5	58756.2	73072.5	84670.1	93945.3
-10°	9183.3	12027.0	15262.0	19030.9	23950.3	30994.5	40167.0	51530.7	65730.0	77304.5	86738.0
-12.5°	8435.7	11092.9	14074.4	17445.0	21489.4	27432.3	35216.8	44716.9	55773.7	68148.2	77304.5
-15°	7560.6	10050.2	12813.2	15904.3	19435.3	23899.8	29816.2	37405.9	46277.5	55773.7	65730.0
-17.5°	6622.0	8929.9	11421.8	14147.8	17169.5	20670.6	25283.0	30848.4	37405.9	44716.9	51530.7
-20°	5566.7	7683.0	9956.0	12414.5	15063.9	17897.0	21089.5	25283.0	29816.2	35216.8	40167.0



REPORT NUMBER: P701424 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4530.0	6432.2	8474.9	10591.6	12920.5	15373.7	17897.0	20670.6	23899.8	27432.3	30994.5
-25°	3461.1	5103.4	6962.0	8881.4	10835.0	12920.5	15063.9	17169.5	19435.3	21489.4	23950.3
-27.5°	2592.8	3880.8	5423.6	7140.4	8881.4	10591.6	12414.5	14147.8	15904.3	17445.0	19030.9
-30°	1814.8	2767.6	4021.9	5423.6	6962.0	8474.9	9956.0	11421.8	12813.2	14074.4	15262.0
-32.5°	1597.9	1900.0	2767.6	3880.8	5103.4	6432.2	7683.0	8929.9	10050.2	11092.9	12027.0
-35°	1470.0	1597.9	1814.8	2592.8	3461.1	4530.0	5566.7	6622.0	7560.6	8435.7	9183.3
-37.5°	1366.8	1460.6	1571.6	1688.1	2247.6	2886.1	3689.4	4517.8	5256.0	6004.4	6627.7
-40°	1251.8	1348.6	1432.6	1519.4	1621.7	1740.1	2284.9	2776.4	3280.9	3865.1	4350.6
-42.5°	1136.5	1221.9	1309.9	1386.6	1456.1	1530.8	1611.5	1684.2	1937.9	2282.9	2569.0
-45°	1047.4	1109.0	1172.8	1250.2	1322.5	1383.3	1437.8	1486.7	1543.6	1594.3	1636.3
-47.5°	973.9	1017.2	1068.3	1119.4	1172.4	1234.2	1290.5	1340.1	1379.9	1413.9	1442.0
-50°	896.0	944.3	982.4	1018.2	1059.3	1099.9	1136.8	1176.2	1217.1	1252.0	1280.9
-52.5°	803.1	852.7	898.2	938.8	969.4	997.6	1023.2	1052.2	1078.9	1101.6	1120.4
-55°	681.7	740.0	794.9	837.4	873.8	907.2	936.2	957.1	975.5	991.2	1004.1
-57.5°	555.0	610.9	662.8	709.9	753.5	793.5	824.8	849.4	871.0	889.4	904.6
-60°	431.1	477.0	524.6	569.5	610.9	648.8	681.7	711.1	736.7	758.6	776.6
-62.5°	316.4	355.3	394.5	431.1	464.8	497.4	528.4	556.1	580.2	600.8	617.7
-65°	218.0	249.3	278.6	305.9	331.4	359.1	384.2	406.5	425.9	442.5	456.1
-67.5°	145.0	164.5	182.8	199.8	220.0	240.5	259.0	275.5	289.8	302.1	312.1
-70°	93.1	103.2	112.7	123.8	137.6	150.3	161.7	171.8	180.6	188.1	194.3
-72.5°	56.3	62.6	69.1	76.8	83.8	90.2	96.0	101.2	105.7	109.5	112.6
-75°	28.7	31.9	37.0	41.7	46.0	50.0	53.6	56.7	59.5	61.8	63.8
-77.5°	16.4	18.2	20.0	21.6	23.1	24.4	25.6	26.7	27.7	28.5	29.1
-80°	11.7	12.1	12.6	13.0	13.3	13.7	14.0	14.2	14.5	14.6	14.8
-82.5°	7.8	8.2	8.5	8.8	9.1	9.3	9.5	9.7	9.9	10.1	10.2
-85°	4.6	4.8	4.9	5.0	5.2	5.3	5.3	5.4	5.5	5.6	5.6
-87.5°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-HEG-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
85°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
82.5°	10.3	10.3	10.4	10.4	10.4	10.3	10.3	10.2	10.1	9.9	9.7
80°	14.9	15.0	15.1	15.1	15.1	15.0	14.9	14.8	14.6	14.5	14.2
77.5°	29.6	30.0	30.2	30.3	30.2	30.0	29.6	29.1	28.5	27.7	26.7
75°	65.3	66.3	67.0	67.2	67.0	66.3	65.3	63.8	61.8	59.5	56.7
72.5°	115.0	116.8	117.8	118.2	117.8	116.8	115.0	112.6	109.5	105.7	101.2
70°	199.1	202.5	204.6	205.3	204.6	202.5	199.1	194.3	188.1	180.6	171.8
67.5°	320.0	325.6	329.0	330.1	329.0	325.6	320.0	312.1	302.1	289.8	275.5
65°	466.8	474.4	479.0	480.5	479.0	474.4	466.8	456.1	442.5	425.9	406.5
62.5°	630.9	640.4	646.1	648.0	646.1	640.4	630.9	617.7	600.8	580.2	556.1
60°	790.6	800.7	806.8	808.8	806.8	800.7	790.6	776.6	758.6	736.7	711.1
57.5°	916.5	925.0	930.1	931.8	930.1	925.0	916.5	904.6	889.4	871.0	849.4
55°	1014.2	1021.5	1025.8	1027.3	1025.8	1021.5	1014.2	1004.1	991.2	975.5	957.1
52.5°	1135.1	1145.6	1152.0	1154.1	1152.0	1145.6	1135.1	1120.4	1101.6	1078.9	1052.2
50°	1303.5	1319.7	1329.5	1332.8	1329.5	1319.7	1303.5	1280.9	1252.0	1217.1	1176.2
47.5°	1464.1	1479.9	1489.5	1492.7	1489.5	1479.9	1464.1	1442.0	1413.9	1379.9	1340.1
45°	1669.3	1693.1	1707.4	1712.2	1707.4	1693.1	1669.3	1636.3	1594.3	1543.6	1486.7
42.5°	2794.0	2956.1	3053.9	3086.6	3053.9	2956.1	2794.0	2569.0	2282.9	1937.9	1684.2
40°	4733.0	5008.8	5175.4	5231.1	5175.4	5008.8	4733.0	4350.6	3865.1	3280.9	2776.4
37.5°	7119.5	7474.8	7689.6	7761.5	7689.6	7474.8	7119.5	6627.7	6004.4	5256.0	4517.8
35°	9774.6	10202.5	10461.6	10548.3	10461.6	10202.5	9774.6	9183.3	8435.7	7560.6	6622.0
32.5°	12767.8	13305.1	13630.8	13740.0	13630.8	13305.1	12767.8	12027.0	11092.9	10050.2	8929.9
30°	16207.1	16894.4	17311.9	17451.9	17311.9	16894.4	16207.1	15262.0	14074.4	12813.2	11421.8
27.5°	20299.5	21225.2	21789.0	21978.3	21789.0	21225.2	20299.5	19030.9	17445.0	15904.3	14147.8
25°	26151.2	27764.4	28749.9	29081.5	28749.9	27764.4	26151.2	23950.3	21489.4	19435.3	17169.5
22.5°	34398.9	36908.7	38448.4	38967.6	38448.4	36908.7	34398.9	30994.5	27432.3	23899.8	20670.6
20°	45160.5	48870.3	51159.5	51933.8	51159.5	48870.3	45160.5	40167.0	35216.8	29816.2	25283.0
17.5°	58756.2	64273.9	67706.7	68873.0	67706.7	64273.9	58756.2	51530.7	44716.9	37405.9	30848.4
15°	73072.5	78205.0	81436.5	82542.0	81436.5	78205.0	73072.5	65730.0	55773.7	46277.5	37405.9
12.5°	84670.1	89721.3	92820.8	93848.5	92820.8	89721.3	84670.1	77304.5	68148.2	55773.7	44716.9
10°	93945.3	99085.6	102378.1	103542.2	102378.1	99085.6	93945.3	86738.0	77304.5	65730.0	51530.7
7.5°	101282.6	107084.4	110598.4	111849.1	110598.4	107084.4	101282.6	93945.3	84670.1	73072.5	58756.2
5°	107084.4	113192.6	117352.0	118815.6	117352.0	113192.6	107084.4	99085.6	89721.3	78205.0	64273.9
2.5°	110598.4	117352.0	121369.8	122524.2	121369.8	117352.0	110598.4	102378.1	92820.8	81436.5	67706.7
0°	111849.1	118815.6	122524.2	123049.6	122524.2	118815.6	111849.1	103542.2	93848.5	82542.0	68873.0
-2.5°	110598.4	117352.0	121369.8	122524.2	121369.8	117352.0	110598.4	102378.1	92820.8	81436.5	67706.7
-5°	107084.4	113192.6	117352.0	118815.6	117352.0	113192.6	107084.4	99085.6	89721.3	78205.0	64273.9
-7.5°	101282.6	107084.4	110598.4	111849.1	110598.4	107084.4	101282.6	93945.3	84670.1	73072.5	58756.2
-10°	93945.3	99085.6	102378.1	103542.2	102378.1	99085.6	93945.3	86738.0	77304.5	65730.0	51530.7
-12.5°	84670.1	89721.3	92820.8	93848.5	92820.8	89721.3	84670.1	77304.5	68148.2	55773.7	44716.9
-15°	73072.5	78205.0	81436.5	82542.0	81436.5	78205.0	73072.5	65730.0	55773.7	46277.5	37405.9
-17.5°	58756.2	64273.9	67706.7	68873.0	67706.7	64273.9	58756.2	51530.7	44716.9	37405.9	30848.4
-20°	45160.5	48870.3	51159.5	51933.8	51159.5	48870.3	45160.5	40167.0	35216.8	29816.2	25283.0



REPORT NUMBER: P701424 (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°	34398.9	36908.7	38448.4	38967.6	38448.4	36908.7	34398.9	30994.5	27432.3	23899.8	20670.6
-25°	26151.2	27764.4	28749.9	29081.5	28749.9	27764.4	26151.2	23950.3	21489.4	19435.3	17169.5
-27.5°	20299.5	21225.2	21789.0	21978.3	21789.0	21225.2	20299.5	19030.9	17445.0	15904.3	14147.8
-30°	16207.1	16894.4	17311.9	17451.9	17311.9	16894.4	16207.1	15262.0	14074.4	12813.2	11421.8
-32.5°	12767.8	13305.1	13630.8	13740.0	13630.8	13305.1	12767.8	12027.0	11092.9	10050.2	8929.9
-35°	9774.6	10202.5	10461.6	10548.3	10461.6	10202.5	9774.6	9183.3	8435.7	7560.6	6622.0
-37.5°	7119.5	7474.8	7689.6	7761.5	7689.6	7474.8	7119.5	6627.7	6004.4	5256.0	4517.8
-40°	4733.0	5008.8	5175.4	5231.1	5175.4	5008.8	4733.0	4350.6	3865.1	3280.9	2776.4
-42.5°	2794.0	2956.1	3053.9	3086.6	3053.9	2956.1	2794.0	2569.0	2282.9	1937.9	1684.2
-45°	1669.3	1693.1	1707.4	1712.2	1707.4	1693.1	1669.3	1636.3	1594.3	1543.6	1486.7
-47.5°	1464.1	1479.9	1489.5	1492.7	1489.5	1479.9	1464.1	1442.0	1413.9	1379.9	1340.1
-50°	1303.5	1319.7	1329.5	1332.8	1329.5	1319.7	1303.5	1280.9	1252.0	1217.1	1176.2
-52.5°	1135.1	1145.6	1152.0	1154.1	1152.0	1145.6	1135.1	1120.4	1101.6	1078.9	1052.2
-55°	1014.2	1021.5	1025.8	1027.3	1025.8	1021.5	1014.2	1004.1	991.2	975.5	957.1
-57.5°	916.5	925.0	930.1	931.8	930.1	925.0	916.5	904.6	889.4	871.0	849.4
-60°	790.6	800.7	806.8	808.8	806.8	800.7	790.6	776.6	758.6	736.7	711.1
-62.5°	630.9	640.4	646.1	648.0	646.1	640.4	630.9	617.7	600.8	580.2	556.1
-65°	466.8	474.4	479.0	480.5	479.0	474.4	466.8	456.1	442.5	425.9	406.5
-67.5°	320.0	325.6	329.0	330.1	329.0	325.6	320.0	312.1	302.1	289.8	275.5
-70°	199.1	202.5	204.6	205.3	204.6	202.5	199.1	194.3	188.1	180.6	171.8
-72.5°	115.0	116.8	117.8	118.2	117.8	116.8	115.0	112.6	109.5	105.7	101.2
-75°	65.3	66.3	67.0	67.2	67.0	66.3	65.3	63.8	61.8	59.5	56.7
-77.5°	29.6	30.0	30.2	30.3	30.2	30.0	29.6	29.1	28.5	27.7	26.7
-80°	14.9	15.0	15.1	15.1	15.1	15.0	14.9	14.8	14.6	14.5	14.2
-82.5°	10.3	10.3	10.4	10.4	10.4	10.3	10.3	10.2	10.1	9.9	9.7
-85°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
-87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
85°	5.3	5.3	5.2	5.0	4.9	4.8	4.6	4.5	4.3	4.2	4.0
82.5°	9.5	9.3	9.1	8.8	8.5	8.2	7.8	7.5	7.1	6.7	6.3
80°	14.0	13.7	13.3	13.0	12.6	12.1	11.7	11.2	10.7	10.1	9.6
77.5°	25.6	24.4	23.1	21.6	20.0	18.2	16.4	14.9	14.2	13.6	12.9
75°	53.6	50.0	46.0	41.7	37.0	31.9	28.7	26.3	23.8	21.2	18.4
72.5°	96.0	90.2	83.8	76.8	69.1	62.6	56.3	49.5	42.4	34.9	28.9
70°	161.7	150.3	137.6	123.8	112.7	103.2	93.1	82.4	71.1	61.4	52.4
67.5°	259.0	240.5	220.0	199.8	182.8	164.5	145.0	124.3	109.0	95.5	81.5
65°	384.2	359.1	331.4	305.9	278.6	249.3	218.0	191.0	166.6	141.0	115.9
62.5°	528.4	497.4	464.8	431.1	394.5	355.3	316.4	279.7	241.0	201.9	172.4
60°	681.7	648.8	610.9	569.5	524.6	477.0	431.1	382.5	331.4	286.8	240.5
57.5°	824.8	793.5	753.5	709.9	662.8	610.9	555.0	496.0	438.7	380.5	321.6
55°	936.2	907.2	873.8	837.4	794.9	740.0	681.7	619.1	551.8	481.6	416.0
52.5°	1023.2	997.6	969.4	938.8	898.2	852.7	803.1	736.7	667.1	592.3	513.8
50°	1136.8	1099.9	1059.3	1018.2	982.4	944.3	896.0	841.3	776.6	698.7	616.8
47.5°	1290.5	1234.2	1172.4	1119.4	1068.3	1017.2	973.9	927.4	866.2	800.7	714.7
45°	1437.8	1383.3	1322.5	1250.2	1172.8	1109.0	1047.4	993.8	943.2	878.8	808.8
42.5°	1611.5	1530.8	1456.1	1386.6	1309.9	1221.9	1136.5	1067.7	1003.9	948.1	878.8
40°	2284.9	1740.1	1621.7	1519.4	1432.6	1348.6	1251.8	1150.4	1074.6	1003.9	943.2
37.5°	3689.4	2886.1	2247.6	1688.1	1571.6	1460.6	1366.8	1261.8	1150.4	1067.7	993.8
35°	5566.7	4530.0	3461.1	2592.8	1814.8	1597.9	1470.0	1366.8	1251.8	1136.5	1047.4
32.5°	7683.0	6432.2	5103.4	3880.8	2767.6	1900.0	1597.9	1460.6	1348.6	1221.9	1109.0
30°	9956.0	8474.9	6962.0	5423.6	4021.9	2767.6	1814.8	1571.6	1432.6	1309.9	1172.8
27.5°	12414.5	10591.6	8881.4	7140.4	5423.6	3880.8	2592.8	1688.1	1519.4	1386.6	1250.2
25°	15063.9	12920.5	10835.0	8881.4	6962.0	5103.4	3461.1	2247.6	1621.7	1456.1	1322.5
22.5°	17897.0	15373.7	12920.5	10591.6	8474.9	6432.2	4530.0	2886.1	1740.1	1530.8	1383.3
20°	21089.5	17897.0	15063.9	12414.5	9956.0	7683.0	5566.7	3689.4	2284.9	1611.5	1437.8
17.5°	25283.0	20670.6	17169.5	14147.8	11421.8	8929.9	6622.0	4517.8	2776.4	1684.2	1486.7
15°	29816.2	23899.8	19435.3	15904.3	12813.2	10050.2	7560.6	5256.0	3280.9	1937.9	1543.6
12.5°	35216.8	27432.3	21489.4	17445.0	14074.4	11092.9	8435.7	6004.4	3865.1	2282.9	1594.3
10°	40167.0	30994.5	23950.3	19030.9	15262.0	12027.0	9183.3	6627.7	4350.6	2569.0	1636.3
7.5°	45160.5	34398.9	26151.2	20299.5	16207.1	12767.8	9774.6	7119.5	4733.0	2794.0	1669.3
5°	48870.3	36908.7	27764.4	21225.2	16894.4	13305.1	10202.5	7474.8	5008.8	2956.1	1693.1
2.5°	51159.5	38448.4	28749.9	21789.0	17311.9	13630.8	10461.6	7689.6	5175.4	3053.9	1707.4
0°	51933.8	38967.6	29081.5	21978.3	17451.9	13740.0	10548.3	7761.5	5231.1	3086.6	1712.2
-2.5°	51159.5	38448.4	28749.9	21789.0	17311.9	13630.8	10461.6	7689.6	5175.4	3053.9	1707.4
-5°	48870.3	36908.7	27764.4	21225.2	16894.4	13305.1	10202.5	7474.8	5008.8	2956.1	1693.1
-7.5°	45160.5	34398.9	26151.2	20299.5	16207.1	12767.8	9774.6	7119.5	4733.0	2794.0	1669.3
-10°	40167.0	30994.5	23950.3	19030.9	15262.0	12027.0	9183.3	6627.7	4350.6	2569.0	1636.3
-12.5°	35216.8	27432.3	21489.4	17445.0	14074.4	11092.9	8435.7	6004.4	3865.1	2282.9	1594.3
-15°	29816.2	23899.8	19435.3	15904.3	12813.2	10050.2	7560.6	5256.0	3280.9	1937.9	1543.6
-17.5°	25283.0	20670.6	17169.5	14147.8	11421.8	8929.9	6622.0	4517.8	2776.4	1684.2	1486.7
-20°	21089.5	17897.0	15063.9	12414.5	9956.0	7683.0	5566.7	3689.4	2284.9	1611.5	1437.8



REPORT NUMBER: P701424 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17897.0	15373.7	12920.5	10591.6	8474.9	6432.2	4530.0	2886.1	1740.1	1530.8	1383.3
-25°	15063.9	12920.5	10835.0	8881.4	6962.0	5103.4	3461.1	2247.6	1621.7	1456.1	1322.5
-27.5°	12414.5	10591.6	8881.4	7140.4	5423.6	3880.8	2592.8	1688.1	1519.4	1386.6	1250.2
-30°	9956.0	8474.9	6962.0	5423.6	4021.9	2767.6	1814.8	1571.6	1432.6	1309.9	1172.8
-32.5°	7683.0	6432.2	5103.4	3880.8	2767.6	1900.0	1597.9	1460.6	1348.6	1221.9	1109.0
-35°	5566.7	4530.0	3461.1	2592.8	1814.8	1597.9	1470.0	1366.8	1251.8	1136.5	1047.4
-37.5°	3689.4	2886.1	2247.6	1688.1	1571.6	1460.6	1366.8	1261.8	1150.4	1067.7	993.8
-40°	2284.9	1740.1	1621.7	1519.4	1432.6	1348.6	1251.8	1150.4	1074.6	1003.9	943.2
-42.5°	1611.5	1530.8	1456.1	1386.6	1309.9	1221.9	1136.5	1067.7	1003.9	948.1	878.8
-45°	1437.8	1383.3	1322.5	1250.2	1172.8	1109.0	1047.4	993.8	943.2	878.8	808.8
-47.5°	1290.5	1234.2	1172.4	1119.4	1068.3	1017.2	973.9	927.4	866.2	800.7	714.7
-50°	1136.8	1099.9	1059.3	1018.2	982.4	944.3	896.0	841.3	776.6	698.7	616.8
-52.5°	1023.2	997.6	969.4	938.8	898.2	852.7	803.1	736.7	667.1	592.3	513.8
-55°	936.2	907.2	873.8	837.4	794.9	740.0	681.7	619.1	551.8	481.6	416.0
-57.5°	824.8	793.5	753.5	709.9	662.8	610.9	555.0	496.0	438.7	380.5	321.6
-60°	681.7	648.8	610.9	569.5	524.6	477.0	431.1	382.5	331.4	286.8	240.5
-62.5°	528.4	497.4	464.8	431.1	394.5	355.3	316.4	279.7	241.0	201.9	172.4
-65°	384.2	359.1	331.4	305.9	278.6	249.3	218.0	191.0	166.6	141.0	115.9
-67.5°	259.0	240.5	220.0	199.8	182.8	164.5	145.0	124.3	109.0	95.5	81.5
-70°	161.7	150.3	137.6	123.8	112.7	103.2	93.1	82.4	71.1	61.4	52.4
-72.5°	96.0	90.2	83.8	76.8	69.1	62.6	56.3	49.5	42.4	34.9	28.9
-75°	53.6	50.0	46.0	41.7	37.0	31.9	28.7	26.3	23.8	21.2	18.4
-77.5°	25.6	24.4	23.1	21.6	20.0	18.2	16.4	14.9	14.2	13.6	12.9
-80°	14.0	13.7	13.3	13.0	12.6	12.1	11.7	11.2	10.7	10.1	9.6
-82.5°	9.5	9.3	9.1	8.8	8.5	8.2	7.8	7.5	7.1	6.7	6.3
-85°	5.3	5.3	5.2	5.0	4.9	4.8	4.6	4.5	4.3	4.2	4.0
-87.5°	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701424 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-HEG-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.8
85°	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.1	1.9	1.7
82.5°	5.8	5.5	5.2	4.9	4.6	4.2	3.9	3.6	3.2	2.9	2.5
80°	9.0	8.3	7.7	7.0	6.4	5.7	5.2	4.8	4.3	3.8	3.4
77.5°	12.1	11.3	10.5	9.7	8.9	8.0	7.1	6.2	5.4	4.8	4.2
75°	15.5	14.3	13.3	12.4	11.3	10.3	9.2	8.1	7.0	5.8	5.1
72.5°	25.6	22.1	18.4	15.0	13.8	12.6	11.3	10.0	8.7	7.4	6.1
70°	43.0	33.3	27.4	23.1	18.7	14.8	13.4	11.9	10.4	8.9	7.4
67.5°	67.0	56.0	44.6	33.0	26.4	21.4	16.2	13.8	12.1	10.4	8.7
65°	99.6	82.8	65.8	52.9	39.5	28.5	22.7	16.9	13.8	11.9	10.0
62.5°	141.8	113.4	94.2	74.5	57.8	42.8	29.1	22.7	16.2	13.4	11.3
60°	196.3	161.7	125.9	101.2	79.1	59.5	42.8	28.5	21.4	14.8	12.6
57.5°	269.4	215.5	173.7	133.9	103.5	79.1	57.8	39.5	26.4	18.7	13.8
55°	348.1	286.9	227.1	177.7	133.9	101.2	74.5	52.9	33.0	23.1	15.0
52.5°	437.5	362.3	292.8	227.1	173.7	125.9	94.2	65.8	44.6	27.4	18.4
50°	530.0	444.7	362.3	286.9	215.5	161.7	113.4	82.8	56.0	33.3	22.1
47.5°	625.0	530.0	437.5	348.1	269.4	196.3	141.8	99.6	67.0	43.0	25.6
45°	714.7	616.8	513.8	416.0	321.6	240.5	172.4	115.9	81.5	52.4	28.9
42.5°	800.7	698.7	592.3	481.6	380.5	286.8	201.9	141.0	95.5	61.4	34.9
40°	866.2	776.6	667.1	551.8	438.7	331.4	241.0	166.6	109.0	71.1	42.4
37.5°	927.4	841.3	736.7	619.1	496.0	382.5	279.7	191.0	124.3	82.4	49.5
35°	973.9	896.0	803.1	681.7	555.0	431.1	316.4	218.0	145.0	93.1	56.3
32.5°	1017.2	944.3	852.7	740.0	610.9	477.0	355.3	249.3	164.5	103.2	62.6
30°	1068.3	982.4	898.2	794.9	662.8	524.6	394.5	278.6	182.8	112.7	69.1
27.5°	1119.4	1018.2	938.8	837.4	709.9	569.5	431.1	305.9	199.8	123.8	76.8
25°	1172.4	1059.3	969.4	873.8	753.5	610.9	464.8	331.4	220.0	137.6	83.8
22.5°	1234.2	1099.9	997.6	907.2	793.5	648.8	497.4	359.1	240.5	150.3	90.2
20°	1290.5	1136.8	1023.2	936.2	824.8	681.7	528.4	384.2	259.0	161.7	96.0
17.5°	1340.1	1176.2	1052.2	957.1	849.4	711.1	556.1	406.5	275.5	171.8	101.2
15°	1379.9	1217.1	1078.9	975.5	871.0	736.7	580.2	425.9	289.8	180.6	105.7
12.5°	1413.9	1252.0	1101.6	991.2	889.4	758.6	600.8	442.5	302.1	188.1	109.5
10°	1442.0	1280.9	1120.4	1004.1	904.6	776.6	617.7	456.1	312.1	194.3	112.6
7.5°	1464.1	1303.5	1135.1	1014.2	916.5	790.6	630.9	466.8	320.0	199.1	115.0
5°	1479.9	1319.7	1145.6	1021.5	925.0	800.7	640.4	474.4	325.6	202.5	116.8
2.5°	1489.5	1329.5	1152.0	1025.8	930.1	806.8	646.1	479.0	329.0	204.6	117.8
0°	1492.7	1332.8	1154.1	1027.3	931.8	808.8	648.0	480.5	330.1	205.3	118.2
-2.5°	1489.5	1329.5	1152.0	1025.8	930.1	806.8	646.1	479.0	329.0	204.6	117.8
-5°	1479.9	1319.7	1145.6	1021.5	925.0	800.7	640.4	474.4	325.6	202.5	116.8
-7.5°	1464.1	1303.5	1135.1	1014.2	916.5	790.6	630.9	466.8	320.0	199.1	115.0
-10°	1442.0	1280.9	1120.4	1004.1	904.6	776.6	617.7	456.1	312.1	194.3	112.6
-12.5°	1413.9	1252.0	1101.6	991.2	889.4	758.6	600.8	442.5	302.1	188.1	109.5
-15°	1379.9	1217.1	1078.9	975.5	871.0	736.7	580.2	425.9	289.8	180.6	105.7
-17.5°	1340.1	1176.2	1052.2	957.1	849.4	711.1	556.1	406.5	275.5	171.8	101.2
-20°	1290.5	1136.8	1023.2	936.2	824.8	681.7	528.4	384.2	259.0	161.7	96.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1234.2	1099.9	997.6	907.2	793.5	648.8	497.4	359.1	240.5	150.3	90.2
-25°	1172.4	1059.3	969.4	873.8	753.5	610.9	464.8	331.4	220.0	137.6	83.8
-27.5°	1119.4	1018.2	938.8	837.4	709.9	569.5	431.1	305.9	199.8	123.8	76.8
-30°	1068.3	982.4	898.2	794.9	662.8	524.6	394.5	278.6	182.8	112.7	69.1
-32.5°	1017.2	944.3	852.7	740.0	610.9	477.0	355.3	249.3	164.5	103.2	62.6
-35°	973.9	896.0	803.1	681.7	555.0	431.1	316.4	218.0	145.0	93.1	56.3
-37.5°	927.4	841.3	736.7	619.1	496.0	382.5	279.7	191.0	124.3	82.4	49.5
-40°	866.2	776.6	667.1	551.8	438.7	331.4	241.0	166.6	109.0	71.1	42.4
-42.5°	800.7	698.7	592.3	481.6	380.5	286.8	201.9	141.0	95.5	61.4	34.9
-45°	714.7	616.8	513.8	416.0	321.6	240.5	172.4	115.9	81.5	52.4	28.9
-47.5°	625.0	530.0	437.5	348.1	269.4	196.3	141.8	99.6	67.0	43.0	25.6
-50°	530.0	444.7	362.3	286.9	215.5	161.7	113.4	82.8	56.0	33.3	22.1
-52.5°	437.5	362.3	292.8	227.1	173.7	125.9	94.2	65.8	44.6	27.4	18.4
-55°	348.1	286.9	227.1	177.7	133.9	101.2	74.5	52.9	33.0	23.1	15.0
-57.5°	269.4	215.5	173.7	133.9	103.5	79.1	57.8	39.5	26.4	18.7	13.8
-60°	196.3	161.7	125.9	101.2	79.1	59.5	42.8	28.5	21.4	14.8	12.6
-62.5°	141.8	113.4	94.2	74.5	57.8	42.8	29.1	22.7	16.2	13.4	11.3
-65°	99.6	82.8	65.8	52.9	39.5	28.5	22.7	16.9	13.8	11.9	10.0
-67.5°	67.0	56.0	44.6	33.0	26.4	21.4	16.2	13.8	12.1	10.4	8.7
-70°	43.0	33.3	27.4	23.1	18.7	14.8	13.4	11.9	10.4	8.9	7.4
-72.5°	25.6	22.1	18.4	15.0	13.8	12.6	11.3	10.0	8.7	7.4	6.1
-75°	15.5	14.3	13.3	12.4	11.3	10.3	9.2	8.1	7.0	5.8	5.1
-77.5°	12.1	11.3	10.5	9.7	8.9	8.0	7.1	6.2	5.4	4.8	4.2
-80°	9.0	8.3	7.7	7.0	6.4	5.7	5.2	4.8	4.3	3.8	3.4
-82.5°	5.8	5.5	5.2	4.9	4.6	4.2	3.9	3.6	3.2	2.9	2.5
-85°	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.1	1.9	1.7
-87.5°	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.8
-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):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
85°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
82.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
80°	2.9	2.4	1.9	1.5	1.0	0.5	0.0
77.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
75°	4.4	3.6	2.9	2.2	1.4	0.7	0.0
72.5°	5.1	4.2	3.4	2.5	1.7	0.8	0.0
70°	5.8	4.8	3.8	2.9	1.9	1.0	0.0
67.5°	7.0	5.4	4.3	3.2	2.1	1.1	0.0
65°	8.1	6.2	4.8	3.6	2.4	1.2	0.0
62.5°	9.2	7.1	5.2	3.9	2.6	1.3	0.0
60°	10.3	8.0	5.7	4.2	2.8	1.4	0.0
57.5°	11.3	8.9	6.4	4.6	3.0	1.5	0.0
55°	12.4	9.7	7.0	4.9	3.2	1.6	0.0
52.5°	13.3	10.5	7.7	5.2	3.4	1.7	0.0
50°	14.3	11.3	8.3	5.5	3.6	1.8	0.0
47.5°	15.5	12.1	9.0	5.8	3.8	1.9	0.0
45°	18.4	12.9	9.6	6.3	4.0	2.0	0.0
42.5°	21.2	13.6	10.1	6.7	4.2	2.1	0.0
40°	23.8	14.2	10.7	7.1	4.3	2.1	0.0
37.5°	26.3	14.9	11.2	7.5	4.5	2.2	0.0
35°	28.7	16.4	11.7	7.8	4.6	2.3	0.0
32.5°	31.9	18.2	12.1	8.2	4.8	2.4	0.0
30°	37.0	20.0	12.6	8.5	4.9	2.4	0.0
27.5°	41.7	21.6	13.0	8.8	5.0	2.5	0.0
25°	46.0	23.1	13.3	9.1	5.2	2.5	0.0
22.5°	50.0	24.4	13.7	9.3	5.3	2.6	0.0
20°	53.6	25.6	14.0	9.5	5.3	2.6	0.0
17.5°	56.7	26.7	14.2	9.7	5.4	2.7	0.0
15°	59.5	27.7	14.5	9.9	5.5	2.7	0.0
12.5°	61.8	28.5	14.6	10.1	5.6	2.7	0.0
10°	63.8	29.1	14.8	10.2	5.6	2.8	0.0
7.5°	65.3	29.6	14.9	10.3	5.7	2.8	0.0
5°	66.3	30.0	15.0	10.3	5.7	2.8	0.0
2.5°	67.0	30.2	15.1	10.4	5.7	2.8	0.0
0°	67.2	30.3	15.1	10.4	5.7	2.8	0.0
-2.5°	67.0	30.2	15.1	10.4	5.7	2.8	0.0
-5°	66.3	30.0	15.0	10.3	5.7	2.8	0.0
-7.5°	65.3	29.6	14.9	10.3	5.7	2.8	0.0
-10°	63.8	29.1	14.8	10.2	5.6	2.8	0.0
-12.5°	61.8	28.5	14.6	10.1	5.6	2.7	0.0
-15°	59.5	27.7	14.5	9.9	5.5	2.7	0.0
-17.5°	56.7	26.7	14.2	9.7	5.4	2.7	0.0
-20°	53.6	25.6	14.0	9.5	5.3	2.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.0	24.4	13.7	9.3	5.3	2.6	0.0
-25°	46.0	23.1	13.3	9.1	5.2	2.5	0.0
-27.5°	41.7	21.6	13.0	8.8	5.0	2.5	0.0
-30°	37.0	20.0	12.6	8.5	4.9	2.4	0.0
-32.5°	31.9	18.2	12.1	8.2	4.8	2.4	0.0
-35°	28.7	16.4	11.7	7.8	4.6	2.3	0.0
-37.5°	26.3	14.9	11.2	7.5	4.5	2.2	0.0
-40°	23.8	14.2	10.7	7.1	4.3	2.1	0.0
-42.5°	21.2	13.6	10.1	6.7	4.2	2.1	0.0
-45°	18.4	12.9	9.6	6.3	4.0	2.0	0.0
-47.5°	15.5	12.1	9.0	5.8	3.8	1.9	0.0
-50°	14.3	11.3	8.3	5.5	3.6	1.8	0.0
-52.5°	13.3	10.5	7.7	5.2	3.4	1.7	0.0
-55°	12.4	9.7	7.0	4.9	3.2	1.6	0.0
-57.5°	11.3	8.9	6.4	4.6	3.0	1.5	0.0
-60°	10.3	8.0	5.7	4.2	2.8	1.4	0.0
-62.5°	9.2	7.1	5.2	3.9	2.6	1.3	0.0
-65°	8.1	6.2	4.8	3.6	2.4	1.2	0.0
-67.5°	7.0	5.4	4.3	3.2	2.1	1.1	0.0
-70°	5.8	4.8	3.8	2.9	1.9	1.0	0.0
-72.5°	5.1	4.2	3.4	2.5	1.7	0.8	0.0
-75°	4.4	3.6	2.9	2.2	1.4	0.7	0.0
-77.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-80°	2.9	2.4	1.9	1.5	1.0	0.5	0.0
-82.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
-85°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
-87.5°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF 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

