

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: P731299 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-7F-HEG**

Issue Date: 11/16/2023

Test Information

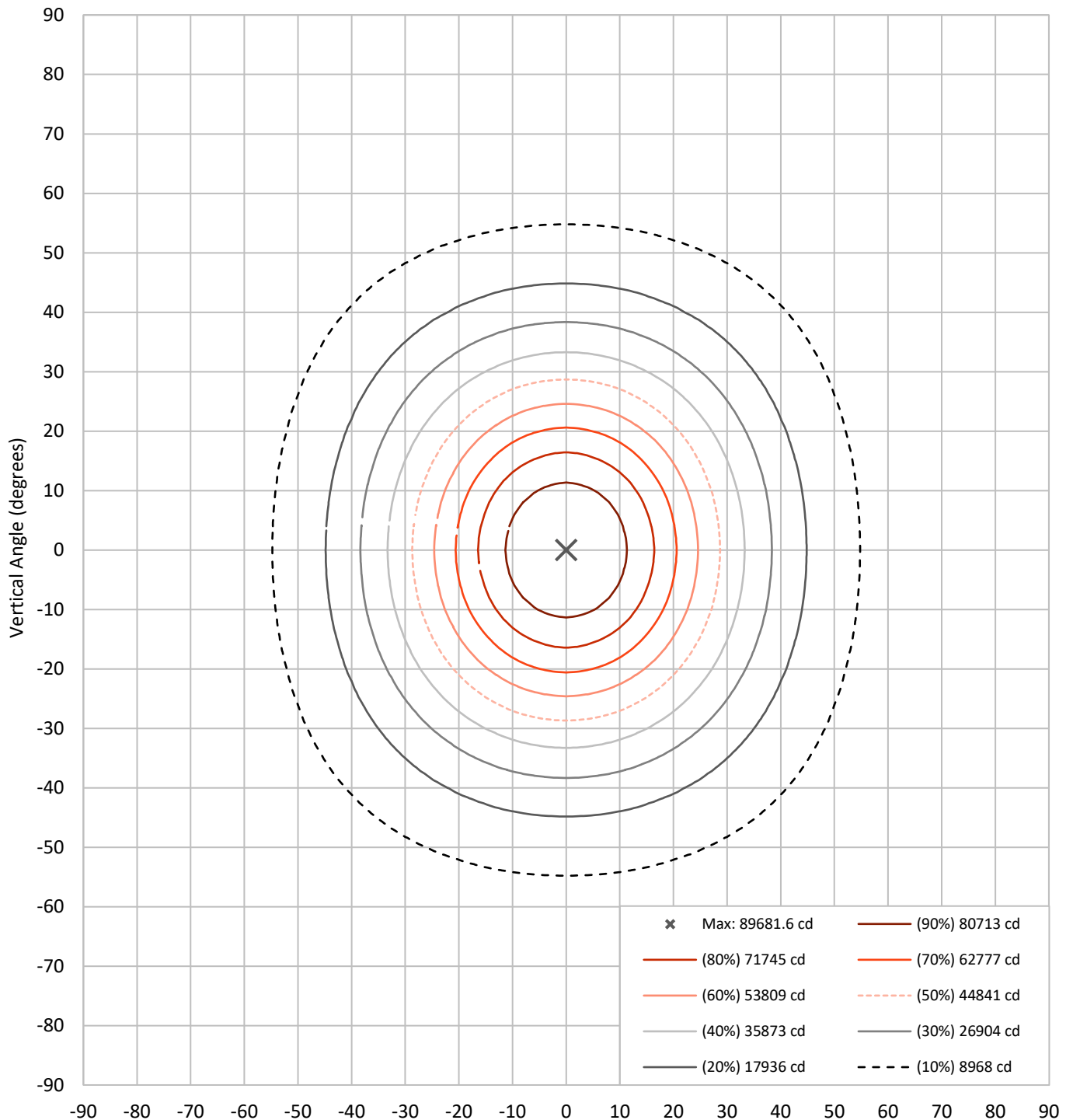
Test Method: LM-79-08
Report Number: P731299 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-7F-HEG
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	101188.1 lumens	Max Intensity:	89681.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	145.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	49835.1 lumens	Field Lumens:	91799.4 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
Input Watts (W):	697.2		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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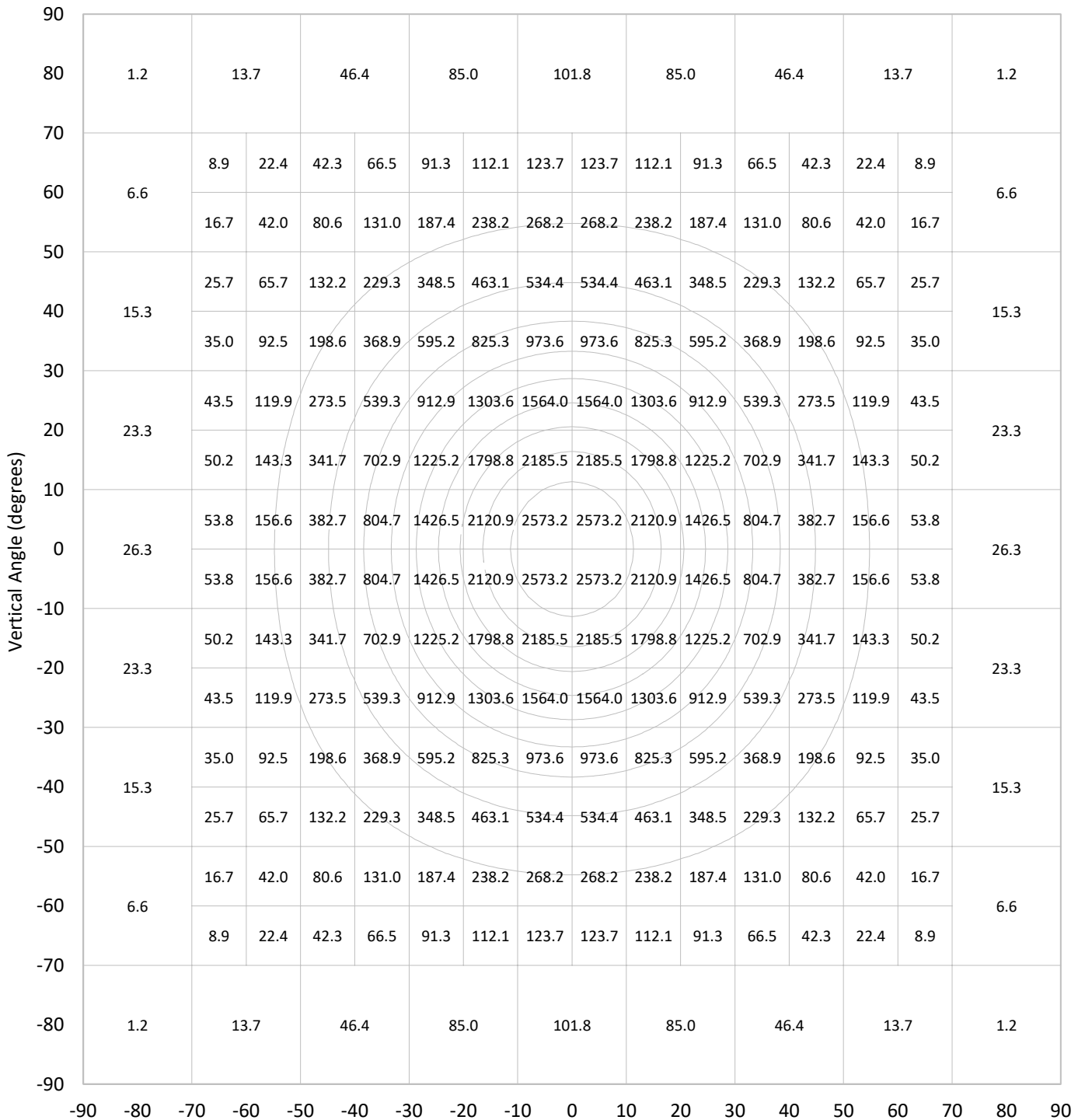
Iso-Candela Plot





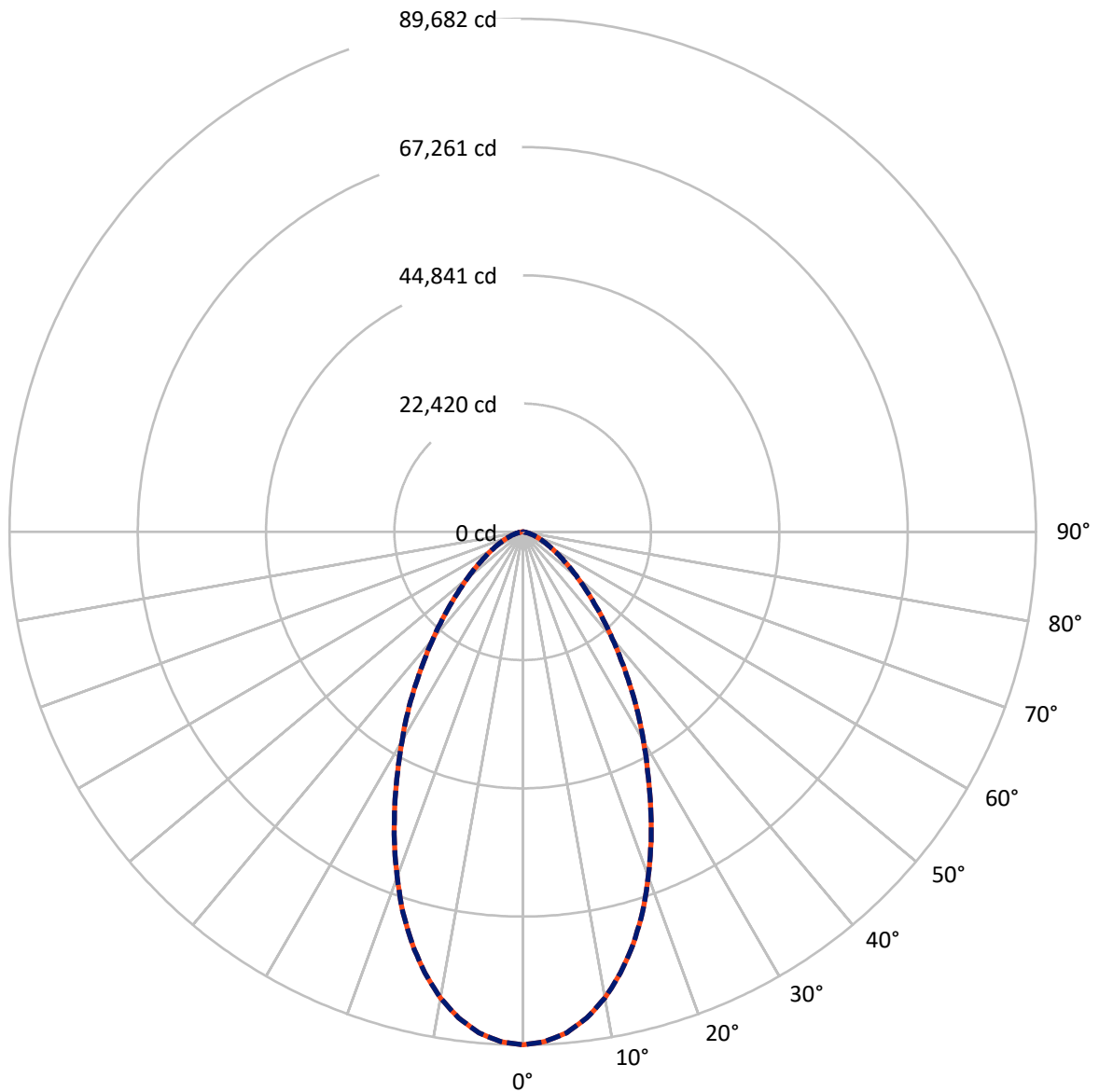
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Lumen Table



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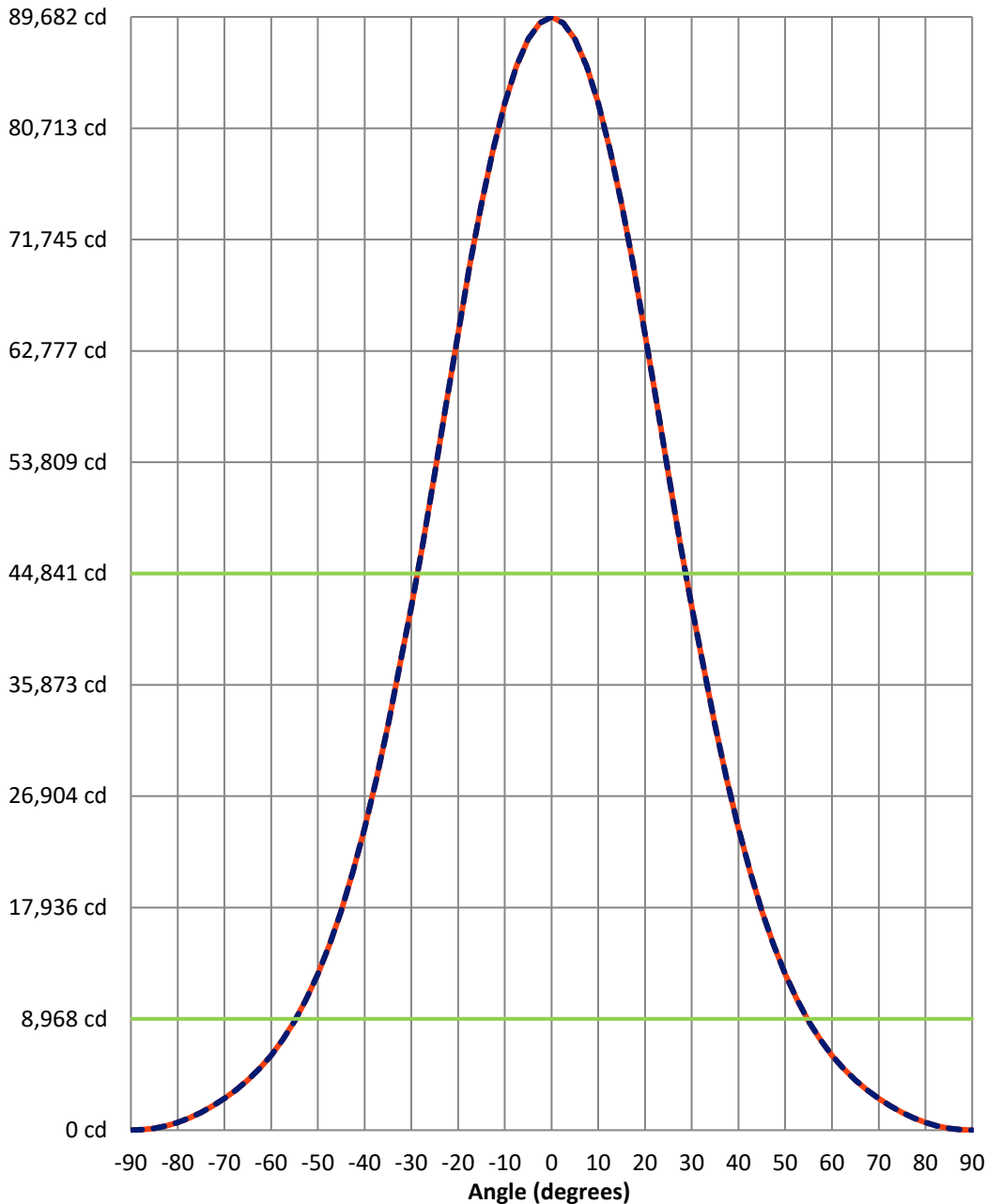
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 57.4°
V Angle: 57.4°
Lumens: 49835.1
Efficiency: 49.2%

Field:
H Angle: 109.4°
V Angle: 109.4°
Lumens: 91799.4
Efficiency: 90.7%

Spill:
Lumens: 9388.7
Efficiency: 9.3%

— 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	2.0	4.0	6.0	7.9	9.9	11.8	13.7	15.6	17.4	19.3
85°	0.0	4.0	7.9	11.9	15.8	19.7	23.6	27.4	31.2	34.9	38.5
82.5°	0.0	6.0	11.9	17.8	23.7	29.5	35.3	41.0	48.0	60.7	73.1
80°	0.0	7.9	15.8	23.7	31.5	39.3	48.8	66.1	83.2	100.1	116.7
77.5°	0.0	9.9	19.7	29.5	39.3	53.3	75.2	96.8	118.2	139.2	168.4
75°	0.0	11.8	23.6	35.3	48.8	75.2	101.4	127.3	155.6	201.5	246.7
72.5°	0.0	13.7	27.4	41.0	66.1	96.8	127.3	163.9	218.1	271.5	324.1
70°	0.0	15.6	31.2	48.0	83.2	118.2	155.6	218.1	279.9	341.5	430.3
67.5°	0.0	17.4	34.9	60.7	100.1	139.2	201.5	271.5	341.5	442.7	542.3
65°	0.0	19.3	38.5	73.1	116.7	168.4	246.7	324.1	430.3	542.3	661.8
62.5°	0.0	21.1	42.1	85.3	132.9	205.4	290.9	393.3	517.5	645.8	801.1
60°	0.0	22.8	45.6	97.3	148.8	241.6	334.3	468.1	602.9	769.0	937.7
57.5°	0.0	24.5	53.3	108.9	176.4	276.9	394.7	541.2	705.2	889.6	1091.5
55°	0.0	26.1	60.8	120.2	203.9	311.2	455.7	612.4	809.8	1012.9	1251.1
52.5°	0.0	27.8	68.1	131.2	230.6	347.2	515.1	699.2	911.5	1152.7	1406.4
50°	0.0	29.3	75.2	141.8	256.4	395.1	572.5	785.5	1016.5	1288.4	1584.0
47.5°	0.0	30.8	82.0	154.1	281.3	441.2	630.2	868.7	1133.0	1419.6	1758.9
45°	0.0	32.2	88.6	172.0	305.3	485.7	698.9	948.9	1245.2	1570.7	1927.7
42.5°	0.0	33.6	94.9	189.2	328.2	528.2	764.6	1035.8	1353.0	1716.3	2109.2
40°	0.0	34.9	100.9	205.6	355.4	568.8	827.5	1125.6	1462.6	1855.6	2286.0
37.5°	0.0	36.2	106.5	221.2	386.2	607.5	887.2	1211.1	1580.0	1993.4	2454.7
35°	0.0	37.3	111.9	235.9	415.4	650.8	943.7	1292.0	1691.3	2136.6	2623.0
32.5°	0.0	38.5	117.0	249.7	442.7	694.9	1000.3	1368.1	1796.1	2271.6	2794.5
30°	0.0	39.5	121.7	262.6	468.3	736.2	1061.1	1442.7	1894.3	2398.0	2955.3
27.5°	0.0	40.4	126.0	274.6	492.1	774.4	1117.5	1522.0	1990.1	2515.6	3105.0
25°	0.0	41.3	130.1	285.6	513.9	809.7	1169.5	1595.0	2085.8	2633.7	3244.1
22.5°	0.0	42.1	133.7	295.7	533.8	841.8	1216.8	1661.6	2173.1	2746.2	3391.2
20°	0.0	42.8	137.0	304.7	551.7	870.7	1259.5	1721.7	2251.8	2847.8	3524.0
17.5°	0.0	43.5	140.0	312.7	567.6	896.4	1297.3	1775.0	2321.7	2938.0	3642.1
15°	0.0	44.0	142.5	319.7	581.4	918.7	1330.3	1821.5	2382.7	3016.8	3745.2
12.5°	0.0	44.5	144.7	325.6	593.2	937.7	1358.4	1861.0	2434.6	3083.8	3833.0
10°	0.0	44.9	146.4	330.5	602.9	953.3	1381.4	1893.5	2477.2	3138.9	3905.2
7.5°	0.0	45.2	147.8	334.3	610.4	965.5	1399.4	1918.8	2510.5	3181.9	3961.6
5°	0.0	45.4	148.8	337.0	615.8	974.2	1412.3	1937.0	2534.3	3212.7	4002.0
2.5°	0.0	45.6	149.4	338.7	619.0	979.5	1420.0	1947.9	2548.6	3231.2	4026.3
0°	0.0	45.6	149.6	339.2	620.1	981.2	1422.6	1951.5	2553.4	3237.4	4034.4
-2.5°	0.0	45.6	149.4	338.7	619.0	979.5	1420.0	1947.9	2548.6	3231.2	4026.3
-5°	0.0	45.4	148.8	337.0	615.8	974.2	1412.3	1937.0	2534.3	3212.7	4002.0
-7.5°	0.0	45.2	147.8	334.3	610.4	965.5	1399.4	1918.8	2510.5	3181.9	3961.6
-10°	0.0	44.9	146.4	330.5	602.9	953.3	1381.4	1893.5	2477.2	3138.9	3905.2
-12.5°	0.0	44.5	144.7	325.6	593.2	937.7	1358.4	1861.0	2434.6	3083.8	3833.0
-15°	0.0	44.0	142.5	319.7	581.4	918.7	1330.3	1821.5	2382.7	3016.8	3745.2
-17.5°	0.0	43.5	140.0	312.7	567.6	896.4	1297.3	1775.0	2321.7	2938.0	3642.1
-20°	0.0	42.8	137.0	304.7	551.7	870.7	1259.5	1721.7	2251.8	2847.8	3524.0



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	42.1	133.7	295.7	533.8	841.8	1216.8	1661.6	2173.1	2746.2	3391.2
-25°	0.0	41.3	130.1	285.6	513.9	809.7	1169.5	1595.0	2085.8	2633.7	3244.1
-27.5°	0.0	40.4	126.0	274.6	492.1	774.4	1117.5	1522.0	1990.1	2515.6	3105.0
-30°	0.0	39.5	121.7	262.6	468.3	736.2	1061.1	1442.7	1894.3	2398.0	2955.3
-32.5°	0.0	38.5	117.0	249.7	442.7	694.9	1000.3	1368.1	1796.1	2271.6	2794.5
-35°	0.0	37.3	111.9	235.9	415.4	650.8	943.7	1292.0	1691.3	2136.6	2623.0
-37.5°	0.0	36.2	106.5	221.2	386.2	607.5	887.2	1211.1	1580.0	1993.4	2454.7
-40°	0.0	34.9	100.9	205.6	355.4	568.8	827.5	1125.6	1462.6	1855.6	2286.0
-42.5°	0.0	33.6	94.9	189.2	328.2	528.2	764.6	1035.8	1353.0	1716.3	2109.2
-45°	0.0	32.2	88.6	172.0	305.3	485.7	698.9	948.9	1245.2	1570.7	1927.7
-47.5°	0.0	30.8	82.0	154.1	281.3	441.2	630.2	868.7	1133.0	1419.6	1758.9
-50°	0.0	29.3	75.2	141.8	256.4	395.1	572.5	785.5	1016.5	1288.4	1584.0
-52.5°	0.0	27.8	68.1	131.2	230.6	347.2	515.1	699.2	911.5	1152.7	1406.4
-55°	0.0	26.1	60.8	120.2	203.9	311.2	455.7	612.4	809.8	1012.9	1251.1
-57.5°	0.0	24.5	53.3	108.9	176.4	276.9	394.7	541.2	705.2	889.6	1091.5
-60°	0.0	22.8	45.6	97.3	148.8	241.6	334.3	468.1	602.9	769.0	937.7
-62.5°	0.0	21.1	42.1	85.3	132.9	205.4	290.9	393.3	517.5	645.8	801.1
-65°	0.0	19.3	38.5	73.1	116.7	168.4	246.7	324.1	430.3	542.3	661.8
-67.5°	0.0	17.4	34.9	60.7	100.1	139.2	201.5	271.5	341.5	442.7	542.3
-70°	0.0	15.6	31.2	48.0	83.2	118.2	155.6	218.1	279.9	341.5	430.3
-72.5°	0.0	13.7	27.4	41.0	66.1	96.8	127.3	163.9	218.1	271.5	324.1
-75°	0.0	11.8	23.6	35.3	48.8	75.2	101.4	127.3	155.6	201.5	246.7
-77.5°	0.0	9.9	19.7	29.5	39.3	53.3	75.2	96.8	118.2	139.2	168.4
-80°	0.0	7.9	15.8	23.7	31.5	39.3	48.8	66.1	83.2	100.1	116.7
-82.5°	0.0	6.0	11.9	17.8	23.7	29.5	35.3	41.0	48.0	60.7	73.1
-85°	0.0	4.0	7.9	11.9	15.8	19.7	23.6	27.4	31.2	34.9	38.5
-87.5°	0.0	2.0	4.0	6.0	7.9	9.9	11.8	13.7	15.6	17.4	19.3
-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: P731299 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-HEG

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°	21.1	22.8	24.5	26.1	27.8	29.3	30.8	32.2	33.6	34.9	36.2
85°	42.1	45.6	53.3	60.8	68.1	75.2	82.0	88.6	94.9	100.9	106.5
82.5°	85.3	97.3	108.9	120.2	131.2	141.8	154.1	172.0	189.2	205.6	221.2
80°	132.9	148.8	176.4	203.9	230.6	256.4	281.3	305.3	328.2	355.4	386.2
77.5°	205.4	241.6	276.9	311.2	347.2	395.1	441.2	485.7	528.2	568.8	607.5
75°	290.9	334.3	394.7	455.7	515.1	572.5	630.2	698.9	764.6	827.5	887.2
72.5°	393.3	468.1	541.2	612.4	699.2	785.5	868.7	948.9	1035.8	1125.6	1211.1
70°	517.5	602.9	705.2	809.8	911.5	1016.5	1133.0	1245.2	1353.0	1462.6	1580.0
67.5°	645.8	769.0	889.6	1012.9	1152.7	1288.4	1419.6	1570.7	1716.3	1855.6	1993.4
65°	801.1	937.7	1091.5	1251.1	1406.4	1584.0	1758.9	1927.7	2109.2	2286.0	2454.7
62.5°	953.8	1131.0	1310.5	1498.3	1703.0	1902.0	2114.5	2326.3	2530.2	2749.0	2960.9
60°	1131.0	1330.3	1546.1	1775.0	2004.7	2251.8	2491.4	2746.2	2999.8	3244.1	3514.9
57.5°	1310.5	1546.1	1799.1	2059.8	2334.8	2609.3	2904.8	3190.7	3504.2	3812.9	4119.5
55°	1498.3	1775.0	2059.8	2362.6	2672.9	3000.7	3332.8	3692.5	4040.6	4426.7	4796.4
52.5°	1703.0	2004.7	2334.8	2672.9	3032.8	3408.2	3806.4	4217.4	4649.1	5081.3	5540.0
50°	1902.0	2251.8	2609.3	3000.7	3408.2	3844.6	4306.4	4783.8	5289.7	5802.6	6355.6
47.5°	2114.5	2491.4	2904.8	3332.8	3806.4	4306.4	4828.9	5394.7	5961.8	6616.1	7256.7
45°	2326.3	2746.2	3190.7	3692.5	4217.4	4783.8	5394.7	6015.1	6747.4	7477.9	8257.7
42.5°	2530.2	2999.8	3504.2	4040.6	4649.1	5289.7	5961.8	6747.4	7554.2	8412.7	9338.3
40°	2749.0	3244.1	3812.9	4426.7	5081.3	5802.6	6616.1	7477.9	8412.7	9433.7	10493.5
37.5°	2960.9	3514.9	4119.5	4796.4	5540.0	6355.6	7256.7	8257.7	9338.3	10493.5	11766.7
35°	3162.1	3772.4	4444.2	5177.7	5977.8	6927.8	7950.4	9053.8	10299.4	11653.1	13077.5
32.5°	3371.1	4015.8	4751.5	5561.8	6474.6	7495.8	8617.2	9914.6	11314.5	12805.9	14470.0
30°	3578.9	4277.2	5053.2	5923.6	6950.8	8082.4	9346.1	10757.3	12312.6	14054.4	15922.3
27.5°	3772.4	4523.6	5363.6	6314.8	7409.9	8632.5	10061.0	11635.5	13371.5	15276.6	17364.4
25°	3951.2	4751.5	5651.0	6695.7	7882.2	9220.3	10752.7	12454.9	14403.6	16542.7	18892.2
22.5°	4127.2	4960.7	5914.3	7045.1	8316.2	9787.8	11454.1	13321.8	15418.1	17726.5	20359.0
20°	4298.0	5177.7	6182.2	7370.2	8710.0	10303.5	12092.6	14130.8	16416.7	18978.0	21800.8
17.5°	4450.0	5371.0	6440.5	7692.9	9121.5	10796.4	12681.0	14857.3	17315.4	20107.1	23149.2
15°	4582.7	5540.0	6666.5	7975.5	9493.6	11259.5	13270.7	15576.1	18180.8	21135.8	24349.1
12.5°	4695.8	5684.1	6859.2	8216.8	9811.6	11655.7	13775.9	16204.0	18973.3	22086.8	25513.3
10°	4788.9	5802.6	7018.0	8415.7	10074.1	11983.0	14193.7	16723.9	19630.5	22877.1	26482.7
7.5°	4861.6	5895.3	7142.2	8571.4	10279.5	12239.5	14521.5	17132.2	20147.4	23499.6	27247.8
5°	4913.7	5961.8	7231.3	8683.1	10427.1	12423.8	14757.1	17426.0	20519.7	23948.6	27800.4
2.5°	4945.0	6001.8	7284.9	8750.4	10515.9	12534.8	14899.2	17603.2	20744.4	24219.7	28134.5
0°	4955.5	6015.1	7302.8	8772.8	10545.6	12571.9	14946.6	17662.4	20819.5	24310.4	28246.3
-2.5°	4945.0	6001.8	7284.9	8750.4	10515.9	12534.8	14899.2	17603.2	20744.4	24219.7	28134.5
-5°	4913.7	5961.8	7231.3	8683.1	10427.1	12423.8	14757.1	17426.0	20519.7	23948.6	27800.4
-7.5°	4861.6	5895.3	7142.2	8571.4	10279.5	12239.5	14521.5	17132.2	20147.4	23499.6	27247.8
-10°	4788.9	5802.6	7018.0	8415.7	10074.1	11983.0	14193.7	16723.9	19630.5	22877.1	26482.7
-12.5°	4695.8	5684.1	6859.2	8216.8	9811.6	11655.7	13775.9	16204.0	18973.3	22086.8	25513.3
-15°	4582.7	5540.0	6666.5	7975.5	9493.6	11259.5	13270.7	15576.1	18180.8	21135.8	24349.1
-17.5°	4450.0	5371.0	6440.5	7692.9	9121.5	10796.4	12681.0	14857.3	17315.4	20107.1	23149.2
-20°	4298.0	5177.7	6182.2	7370.2	8710.0	10303.5	12092.6	14130.8	16416.7	18978.0	21800.8



REPORT NUMBER: P731299 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4127.2	4960.7	5914.3	7045.1	8316.2	9787.8	11454.1	13321.8	15418.1	17726.5	20359.0
-25°	3951.2	4751.5	5651.0	6695.7	7882.2	9220.3	10752.7	12454.9	14403.6	16542.7	18892.2
-27.5°	3772.4	4523.6	5363.6	6314.8	7409.9	8632.5	10061.0	11635.5	13371.5	15276.6	17364.4
-30°	3578.9	4277.2	5053.2	5923.6	6950.8	8082.4	9346.1	10757.3	12312.6	14054.4	15922.3
-32.5°	3371.1	4015.8	4751.5	5561.8	6474.6	7495.8	8617.2	9914.6	11314.5	12805.9	14470.0
-35°	3162.1	3772.4	4444.2	5177.7	5977.8	6927.8	7950.4	9053.8	10299.4	11653.1	13077.5
-37.5°	2960.9	3514.9	4119.5	4796.4	5540.0	6355.6	7256.7	8257.7	9338.3	10493.5	11766.7
-40°	2749.0	3244.1	3812.9	4426.7	5081.3	5802.6	6616.1	7477.9	8412.7	9433.7	10493.5
-42.5°	2530.2	2999.8	3504.2	4040.6	4649.1	5289.7	5961.8	6747.4	7554.2	8412.7	9338.3
-45°	2326.3	2746.2	3190.7	3692.5	4217.4	4783.8	5394.7	6015.1	6747.4	7477.9	8257.7
-47.5°	2114.5	2491.4	2904.8	3332.8	3806.4	4306.4	4828.9	5394.7	5961.8	6616.1	7256.7
-50°	1902.0	2251.8	2609.3	3000.7	3408.2	3844.6	4306.4	4783.8	5289.7	5802.6	6355.6
-52.5°	1703.0	2004.7	2334.8	2672.9	3032.8	3408.2	3806.4	4217.4	4649.1	5081.3	5540.0
-55°	1498.3	1775.0	2059.8	2362.6	2672.9	3000.7	3332.8	3692.5	4040.6	4426.7	4796.4
-57.5°	1310.5	1546.1	1799.1	2059.8	2334.8	2609.3	2904.8	3190.7	3504.2	3812.9	4119.5
-60°	1131.0	1330.3	1546.1	1775.0	2004.7	2251.8	2491.4	2746.2	2999.8	3244.1	3514.9
-62.5°	953.8	1131.0	1310.5	1498.3	1703.0	1902.0	2114.5	2326.3	2530.2	2749.0	2960.9
-65°	801.1	937.7	1091.5	1251.1	1406.4	1584.0	1758.9	1927.7	2109.2	2286.0	2454.7
-67.5°	645.8	769.0	889.6	1012.9	1152.7	1288.4	1419.6	1570.7	1716.3	1855.6	1993.4
-70°	517.5	602.9	705.2	809.8	911.5	1016.5	1133.0	1245.2	1353.0	1462.6	1580.0
-72.5°	393.3	468.1	541.2	612.4	699.2	785.5	868.7	948.9	1035.8	1125.6	1211.1
-75°	290.9	334.3	394.7	455.7	515.1	572.5	630.2	698.9	764.6	827.5	887.2
-77.5°	205.4	241.6	276.9	311.2	347.2	395.1	441.2	485.7	528.2	568.8	607.5
-80°	132.9	148.8	176.4	203.9	230.6	256.4	281.3	305.3	328.2	355.4	386.2
-82.5°	85.3	97.3	108.9	120.2	131.2	141.8	154.1	172.0	189.2	205.6	221.2
-85°	42.1	45.6	53.3	60.8	68.1	75.2	82.0	88.6	94.9	100.9	106.5
-87.5°	21.1	22.8	24.5	26.1	27.8	29.3	30.8	32.2	33.6	34.9	36.2
-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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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-HEG

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°	37.3	38.5	39.5	40.4	41.3	42.1	42.8	43.5	44.0	44.5	44.9
85°	111.9	117.0	121.7	126.0	130.1	133.7	137.0	140.0	142.5	144.7	146.4
82.5°	235.9	249.7	262.6	274.6	285.6	295.7	304.7	312.7	319.7	325.6	330.5
80°	415.4	442.7	468.3	492.1	513.9	533.8	551.7	567.6	581.4	593.2	602.9
77.5°	650.8	694.9	736.2	774.4	809.7	841.8	870.7	896.4	918.7	937.7	953.3
75°	943.7	1000.3	1061.1	1117.5	1169.5	1216.8	1259.5	1297.3	1330.3	1358.4	1381.4
72.5°	1292.0	1368.1	1442.7	1522.0	1595.0	1661.6	1721.7	1775.0	1821.5	1861.0	1893.5
70°	1691.3	1796.1	1894.3	1990.1	2085.8	2173.1	2251.8	2321.7	2382.7	2434.6	2477.2
67.5°	2136.6	2271.6	2398.0	2515.6	2633.7	2746.2	2847.8	2938.0	3016.8	3083.8	3138.9
65°	2623.0	2794.5	2955.3	3105.0	3244.1	3391.2	3524.0	3642.1	3745.2	3833.0	3905.2
62.5°	3162.1	3371.1	3578.9	3772.4	3951.2	4127.2	4298.0	4450.0	4582.7	4695.8	4788.9
60°	3772.4	4015.8	4277.2	4523.6	4751.5	4960.7	5177.7	5371.0	5540.0	5684.1	5802.6
57.5°	4444.2	4751.5	5053.2	5363.6	5651.0	5914.3	6182.2	6440.5	6666.5	6859.2	7018.0
55°	5177.7	5561.8	5923.6	6314.8	6695.7	7045.1	7370.2	7692.9	7975.5	8216.8	8415.7
52.5°	5977.8	6474.6	6950.8	7409.9	7882.2	8316.2	8710.0	9121.5	9493.6	9811.6	10074.1
50°	6927.8	7495.8	8082.4	8632.5	9220.3	9787.8	10303.5	10796.4	11259.5	11655.7	11983.0
47.5°	7950.4	8617.2	9346.1	10061.0	10752.7	11454.1	12092.6	12681.0	13270.7	13775.9	14193.7
45°	9053.8	9914.6	10757.3	11635.5	12454.9	13321.8	14130.8	14857.3	15576.1	16204.0	16723.9
42.5°	10299.4	11314.5	12312.6	13371.5	14403.6	15418.1	16416.7	17315.4	18180.8	18973.3	19630.5
40°	11653.1	12805.9	14054.4	15276.6	16542.7	17726.5	18978.0	20107.1	21135.8	22086.8	22877.1
37.5°	13077.5	14470.0	15922.3	17364.4	18892.2	20359.0	21800.8	23149.2	24349.1	25513.3	26482.7
35°	14609.5	16248.8	17898.1	19685.3	21429.1	23169.2	24832.4	26473.8	27933.9	29296.8	30461.8
32.5°	16248.8	18093.7	20086.8	22112.3	24102.6	26178.6	28124.2	30067.0	31812.7	33407.4	34811.2
30°	17898.1	20086.8	22342.1	24609.8	27002.7	29357.9	31665.9	33901.7	35992.8	37816.1	39344.2
27.5°	19685.3	22112.3	24609.8	27280.2	29991.4	32653.9	35393.7	37910.5	40170.9	42153.6	43956.6
25°	21429.1	24102.6	27002.7	29991.4	33019.8	36154.1	39089.4	41799.0	44416.1	46750.2	48855.7
22.5°	23169.2	26178.6	29357.9	32653.9	36154.1	39488.0	42668.2	45819.8	48816.0	51592.4	53993.3
20°	24832.4	28124.2	31665.9	35393.7	39089.4	42668.2	46295.9	49903.1	53312.8	56431.5	59109.3
17.5°	26473.8	30067.0	33901.7	37910.5	41799.0	45819.8	49903.1	53908.9	57695.6	61051.0	63959.0
15°	27933.9	31812.7	35992.8	40170.9	44416.1	48816.0	53312.8	57695.6	61717.1	65388.3	68648.3
12.5°	29296.8	33407.4	37816.1	42153.6	46750.2	51592.4	56431.5	61051.0	65388.3	69440.1	72708.2
10°	30461.8	34811.2	39344.2	43956.6	48855.7	53993.3	59109.3	63959.0	68648.3	72708.2	76271.9
7.5°	31383.3	35924.6	40560.5	45398.1	50585.5	55959.2	61240.3	66364.9	71187.0	75443.5	79019.3
5°	32050.1	36732.1	41444.9	46450.1	51853.4	57408.5	62823.6	68171.5	73031.9	77417.4	81074.2
2.5°	32453.7	37221.7	41982.2	47090.7	52628.0	58297.6	63800.5	69295.5	74193.5	78594.4	82303.8
0°	32588.9	37385.7	42162.4	47305.8	52888.6	58597.4	64131.0	69677.4	74590.9	78982.8	82727.2
-2.5°	32453.7	37221.7	41982.2	47090.7	52628.0	58297.6	63800.5	69295.5	74193.5	78594.4	82303.8
-5°	32050.1	36732.1	41444.9	46450.1	51853.4	57408.5	62823.6	68171.5	73031.9	77417.4	81074.2
-7.5°	31383.3	35924.6	40560.5	45398.1	50585.5	55959.2	61240.3	66364.9	71187.0	75443.5	79019.3
-10°	30461.8	34811.2	39344.2	43956.6	48855.7	53993.3	59109.3	63959.0	68648.3	72708.2	76271.9
-12.5°	29296.8	33407.4	37816.1	42153.6	46750.2	51592.4	56431.5	61051.0	65388.3	69440.1	72708.2
-15°	27933.9	31812.7	35992.8	40170.9	44416.1	48816.0	53312.8	57695.6	61717.1	65388.3	68648.3
-17.5°	26473.8	30067.0	33901.7	37910.5	41799.0	45819.8	49903.1	53908.9	57695.6	61051.0	63959.0
-20°	24832.4	28124.2	31665.9	35393.7	39089.4	42668.2	46295.9	49903.1	53312.8	56431.5	59109.3



REPORT NUMBER: P731299 (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°	23169.2	26178.6	29357.9	32653.9	36154.1	39488.0	42668.2	45819.8	48816.0	51592.4	53993.3
-25°	21429.1	24102.6	27002.7	29991.4	33019.8	36154.1	39089.4	41799.0	44416.1	46750.2	48855.7
-27.5°	19685.3	22112.3	24609.8	27280.2	29991.4	32653.9	35393.7	37910.5	40170.9	42153.6	43956.6
-30°	17898.1	20086.8	22342.1	24609.8	27002.7	29357.9	31665.9	33901.7	35992.8	37816.1	39344.2
-32.5°	16248.8	18093.7	20086.8	22112.3	24102.6	26178.6	28124.2	30067.0	31812.7	33407.4	34811.2
-35°	14609.5	16248.8	17898.1	19685.3	21429.1	23169.2	24832.4	26473.8	27933.9	29296.8	30461.8
-37.5°	13077.5	14470.0	15922.3	17364.4	18892.2	20359.0	21800.8	23149.2	24349.1	25513.3	26482.7
-40°	11653.1	12805.9	14054.4	15276.6	16542.7	17726.5	18978.0	20107.1	21135.8	22086.8	22877.1
-42.5°	10299.4	11314.5	12312.6	13371.5	14403.6	15418.1	16416.7	17315.4	18180.8	18973.3	19630.5
-45°	9053.8	9914.6	10757.3	11635.5	12454.9	13321.8	14130.8	14857.3	15576.1	16204.0	16723.9
-47.5°	7950.4	8617.2	9346.1	10061.0	10752.7	11454.1	12092.6	12681.0	13270.7	13775.9	14193.7
-50°	6927.8	7495.8	8082.4	8632.5	9220.3	9787.8	10303.5	10796.4	11259.5	11655.7	11983.0
-52.5°	5977.8	6474.6	6950.8	7409.9	7882.2	8316.2	8710.0	9121.5	9493.6	9811.6	10074.1
-55°	5177.7	5561.8	5923.6	6314.8	6695.7	7045.1	7370.2	7692.9	7975.5	8216.8	8415.7
-57.5°	4444.2	4751.5	5053.2	5363.6	5651.0	5914.3	6182.2	6440.5	6666.5	6859.2	7018.0
-60°	3772.4	4015.8	4277.2	4523.6	4751.5	4960.7	5177.7	5371.0	5540.0	5684.1	5802.6
-62.5°	3162.1	3371.1	3578.9	3772.4	3951.2	4127.2	4298.0	4450.0	4582.7	4695.8	4788.9
-65°	2623.0	2794.5	2955.3	3105.0	3244.1	3391.2	3524.0	3642.1	3745.2	3833.0	3905.2
-67.5°	2136.6	2271.6	2398.0	2515.6	2633.7	2746.2	2847.8	2938.0	3016.8	3083.8	3138.9
-70°	1691.3	1796.1	1894.3	1990.1	2085.8	2173.1	2251.8	2321.7	2382.7	2434.6	2477.2
-72.5°	1292.0	1368.1	1442.7	1522.0	1595.0	1661.6	1721.7	1775.0	1821.5	1861.0	1893.5
-75°	943.7	1000.3	1061.1	1117.5	1169.5	1216.8	1259.5	1297.3	1330.3	1358.4	1381.4
-77.5°	650.8	694.9	736.2	774.4	809.7	841.8	870.7	896.4	918.7	937.7	953.3
-80°	415.4	442.7	468.3	492.1	513.9	533.8	551.7	567.6	581.4	593.2	602.9
-82.5°	235.9	249.7	262.6	274.6	285.6	295.7	304.7	312.7	319.7	325.6	330.5
-85°	111.9	117.0	121.7	126.0	130.1	133.7	137.0	140.0	142.5	144.7	146.4
-87.5°	37.3	38.5	39.5	40.4	41.3	42.1	42.8	43.5	44.0	44.5	44.9
-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: P731299 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-HEG

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°	45.2	45.4	45.6	45.6	45.6	45.4	45.2	44.9	44.5	44.0	43.5
85°	147.8	148.8	149.4	149.6	149.4	148.8	147.8	146.4	144.7	142.5	140.0
82.5°	334.3	337.0	338.7	339.2	338.7	337.0	334.3	330.5	325.6	319.7	312.7
80°	610.4	615.8	619.0	620.1	619.0	615.8	610.4	602.9	593.2	581.4	567.6
77.5°	965.5	974.2	979.5	981.2	979.5	974.2	965.5	953.3	937.7	918.7	896.4
75°	1399.4	1412.3	1420.0	1422.6	1420.0	1412.3	1399.4	1381.4	1358.4	1330.3	1297.3
72.5°	1918.8	1937.0	1947.9	1951.5	1947.9	1937.0	1918.8	1893.5	1861.0	1821.5	1775.0
70°	2510.5	2534.3	2548.6	2553.4	2548.6	2534.3	2510.5	2477.2	2434.6	2382.7	2321.7
67.5°	3181.9	3212.7	3231.2	3237.4	3231.2	3212.7	3181.9	3138.9	3083.8	3016.8	2938.0
65°	3961.6	4002.0	4026.3	4034.4	4026.3	4002.0	3961.6	3905.2	3833.0	3745.2	3642.1
62.5°	4861.6	4913.7	4945.0	4955.5	4945.0	4913.7	4861.6	4788.9	4695.8	4582.7	4450.0
60°	5895.3	5961.8	6001.8	6015.1	6001.8	5961.8	5895.3	5802.6	5684.1	5540.0	5371.0
57.5°	7142.2	7231.3	7284.9	7302.8	7284.9	7231.3	7142.2	7018.0	6859.2	6666.5	6440.5
55°	8571.4	8683.1	8750.4	8772.8	8750.4	8683.1	8571.4	8415.7	8216.8	7975.5	7692.9
52.5°	10279.5	10427.1	10515.9	10545.6	10515.9	10427.1	10279.5	10074.1	9811.6	9493.6	9121.5
50°	12239.5	12423.8	12534.8	12571.9	12534.8	12423.8	12239.5	11983.0	11655.7	11259.5	10796.4
47.5°	14521.5	14757.1	14899.2	14946.6	14899.2	14757.1	14521.5	14193.7	13775.9	13270.7	12681.0
45°	17132.2	17426.0	17603.2	17662.4	17603.2	17426.0	17132.2	16723.9	16204.0	15576.1	14857.3
42.5°	20147.4	20519.7	20744.4	20819.5	20744.4	20519.7	20147.4	19630.5	18973.3	18180.8	17315.4
40°	23499.6	23948.6	24219.7	24310.4	24219.7	23948.6	23499.6	22877.1	22086.8	21135.8	20107.1
37.5°	27247.8	27800.4	28134.5	28246.3	28134.5	27800.4	27247.8	26482.7	25513.3	24349.1	23149.2
35°	31383.3	32050.1	32453.7	32588.9	32453.7	32050.1	31383.3	30461.8	29296.8	27933.9	26473.8
32.5°	35924.6	36732.1	37221.7	37385.7	37221.7	36732.1	35924.6	34811.2	33407.4	31812.7	30067.0
30°	40560.5	41444.9	41982.2	42162.4	41982.2	41444.9	40560.5	39344.2	37816.1	35992.8	33901.7
27.5°	45398.1	46450.1	47090.7	47305.8	47090.7	46450.1	45398.1	43956.6	42153.6	40170.9	37910.5
25°	50585.5	51853.4	52628.0	52888.6	52628.0	51853.4	50585.5	48855.7	46750.2	44416.1	41799.0
22.5°	55959.2	57408.5	58297.6	58597.4	58297.6	57408.5	55959.2	53993.3	51592.4	48816.0	45819.8
20°	61240.3	62823.6	63800.5	64131.0	63800.5	62823.6	61240.3	59109.3	56431.5	53312.8	49903.1
17.5°	66364.9	68171.5	69295.5	69677.4	69295.5	68171.5	66364.9	63959.0	61051.0	57695.6	53908.9
15°	71187.0	73031.9	74193.5	74590.9	74193.5	73031.9	71187.0	68648.3	65388.3	61717.1	57695.6
12.5°	75443.5	77417.4	78594.4	78982.8	78594.4	77417.4	75443.5	72708.2	69440.1	65388.3	61051.0
10°	79019.3	81074.2	82303.8	82727.2	82303.8	81074.2	79019.3	76271.9	72708.2	68648.3	63959.0
7.5°	81905.3	83998.1	85298.7	85717.4	85298.7	83998.1	81905.3	79019.3	75443.5	71187.0	66364.9
5°	83998.1	86167.2	87426.3	87892.4	87426.3	86167.2	83998.1	81074.2	77417.4	73031.9	68171.5
2.5°	85298.7	87426.3	88737.6	89182.8	88737.6	87426.3	85298.7	82303.8	78594.4	74193.5	69295.5
0°	85717.4	87892.4	89182.8	89681.6	89182.8	87892.4	85717.4	82727.2	78982.8	74590.9	69677.4
-2.5°	85298.7	87426.3	88737.6	89182.8	88737.6	87426.3	85298.7	82303.8	78594.4	74193.5	69295.5
-5°	83998.1	86167.2	87426.3	87892.4	87426.3	86167.2	83998.1	81074.2	77417.4	73031.9	68171.5
-7.5°	81905.3	83998.1	85298.7	85717.4	85298.7	83998.1	81905.3	79019.3	75443.5	71187.0	66364.9
-10°	79019.3	81074.2	82303.8	82727.2	82303.8	81074.2	79019.3	76271.9	72708.2	68648.3	63959.0
-12.5°	75443.5	77417.4	78594.4	78982.8	78594.4	77417.4	75443.5	72708.2	69440.1	65388.3	61051.0
-15°	71187.0	73031.9	74193.5	74590.9	74193.5	73031.9	71187.0	68648.3	65388.3	61717.1	57695.6
-17.5°	66364.9	68171.5	69295.5	69677.4	69295.5	68171.5	66364.9	63959.0	61051.0	57695.6	53908.9
-20°	61240.3	62823.6	63800.5	64131.0	63800.5	62823.6	61240.3	59109.3	56431.5	53312.8	49903.1



REPORT NUMBER: P731299 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	55959.2	57408.5	58297.6	58597.4	58297.6	57408.5	55959.2	53993.3	51592.4	48816.0	45819.8
-25°	50585.5	51853.4	52628.0	52888.6	52628.0	51853.4	50585.5	48855.7	46750.2	44416.1	41799.0
-27.5°	45398.1	46450.1	47090.7	47305.8	47090.7	46450.1	45398.1	43956.6	42153.6	40170.9	37910.5
-30°	40560.5	41444.9	41982.2	42162.4	41982.2	41444.9	40560.5	39344.2	37816.1	35992.8	33901.7
-32.5°	35924.6	36732.1	37221.7	37385.7	37221.7	36732.1	35924.6	34811.2	33407.4	31812.7	30067.0
-35°	31383.3	32050.1	32453.7	32588.9	32453.7	32050.1	31383.3	30461.8	29296.8	27933.9	26473.8
-37.5°	27247.8	27800.4	28134.5	28246.3	28134.5	27800.4	27247.8	26482.7	25513.3	24349.1	23149.2
-40°	23499.6	23948.6	24219.7	24310.4	24219.7	23948.6	23499.6	22877.1	22086.8	21135.8	20107.1
-42.5°	20147.4	20519.7	20744.4	20819.5	20744.4	20519.7	20147.4	19630.5	18973.3	18180.8	17315.4
-45°	17132.2	17426.0	17603.2	17662.4	17603.2	17426.0	17132.2	16723.9	16204.0	15576.1	14857.3
-47.5°	14521.5	14757.1	14899.2	14946.6	14899.2	14757.1	14521.5	14193.7	13775.9	13270.7	12681.0
-50°	12239.5	12423.8	12534.8	12571.9	12534.8	12423.8	12239.5	11983.0	11655.7	11259.5	10796.4
-52.5°	10279.5	10427.1	10515.9	10545.6	10515.9	10427.1	10279.5	10074.1	9811.6	9493.6	9121.5
-55°	8571.4	8683.1	8750.4	8772.8	8750.4	8683.1	8571.4	8415.7	8216.8	7975.5	7692.9
-57.5°	7142.2	7231.3	7284.9	7302.8	7284.9	7231.3	7142.2	7018.0	6859.2	6666.5	6440.5
-60°	5895.3	5961.8	6001.8	6015.1	6001.8	5961.8	5895.3	5802.6	5684.1	5540.0	5371.0
-62.5°	4861.6	4913.7	4945.0	4955.5	4945.0	4913.7	4861.6	4788.9	4695.8	4582.7	4450.0
-65°	3961.6	4002.0	4026.3	4034.4	4026.3	4002.0	3961.6	3905.2	3833.0	3745.2	3642.1
-67.5°	3181.9	3212.7	3231.2	3237.4	3231.2	3212.7	3181.9	3138.9	3083.8	3016.8	2938.0
-70°	2510.5	2534.3	2548.6	2553.4	2548.6	2534.3	2510.5	2477.2	2434.6	2382.7	2321.7
-72.5°	1918.8	1937.0	1947.9	1951.5	1947.9	1937.0	1918.8	1893.5	1861.0	1821.5	1775.0
-75°	1399.4	1412.3	1420.0	1422.6	1420.0	1412.3	1399.4	1381.4	1358.4	1330.3	1297.3
-77.5°	965.5	974.2	979.5	981.2	979.5	974.2	965.5	953.3	937.7	918.7	896.4
-80°	610.4	615.8	619.0	620.1	619.0	615.8	610.4	602.9	593.2	581.4	567.6
-82.5°	334.3	337.0	338.7	339.2	338.7	337.0	334.3	330.5	325.6	319.7	312.7
-85°	147.8	148.8	149.4	149.6	149.4	148.8	147.8	146.4	144.7	142.5	140.0
-87.5°	45.2	45.4	45.6	45.6	45.6	45.4	45.2	44.9	44.5	44.0	43.5
-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: P731299 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-HEG

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°	42.8	42.1	41.3	40.4	39.5	38.5	37.3	36.2	34.9	33.6	32.2
85°	137.0	133.7	130.1	126.0	121.7	117.0	111.9	106.5	100.9	94.9	88.6
82.5°	304.7	295.7	285.6	274.6	262.6	249.7	235.9	221.2	205.6	189.2	172.0
80°	551.7	533.8	513.9	492.1	468.3	442.7	415.4	386.2	355.4	328.2	305.3
77.5°	870.7	841.8	809.7	774.4	736.2	694.9	650.8	607.5	568.8	528.2	485.7
75°	1259.5	1216.8	1169.5	1117.5	1061.1	1000.3	943.7	887.2	827.5	764.6	698.9
72.5°	1721.7	1661.6	1595.0	1522.0	1442.7	1368.1	1292.0	1211.1	1125.6	1035.8	948.9
70°	2251.8	2173.1	2085.8	1990.1	1894.3	1796.1	1691.3	1580.0	1462.6	1353.0	1245.2
67.5°	2847.8	2746.2	2633.7	2515.6	2398.0	2271.6	2136.6	1993.4	1855.6	1716.3	1570.7
65°	3524.0	3391.2	3244.1	3105.0	2955.3	2794.5	2623.0	2454.7	2286.0	2109.2	1927.7
62.5°	4298.0	4127.2	3951.2	3772.4	3578.9	3371.1	3162.1	2960.9	2749.0	2530.2	2326.3
60°	5177.7	4960.7	4751.5	4523.6	4277.2	4015.8	3772.4	3514.9	3244.1	2999.8	2746.2
57.5°	6182.2	5914.3	5651.0	5363.6	5053.2	4751.5	4444.2	4119.5	3812.9	3504.2	3190.7
55°	7370.2	7045.1	6695.7	6314.8	5923.6	5561.8	5177.7	4796.4	4426.7	4040.6	3692.5
52.5°	8710.0	8316.2	7882.2	7409.9	6950.8	6474.6	5977.8	5540.0	5081.3	4649.1	4217.4
50°	10303.5	9787.8	9220.3	8632.5	8082.4	7495.8	6927.8	6355.6	5802.6	5289.7	4783.8
47.5°	12092.6	11454.1	10752.7	10061.0	9346.1	8617.2	7950.4	7256.7	6616.1	5961.8	5394.7
45°	14130.8	13321.8	12454.9	11635.5	10757.3	9914.6	9053.8	8257.7	7477.9	6747.4	6015.1
42.5°	16416.7	15418.1	14403.6	13371.5	12312.6	11314.5	10299.4	9338.3	8412.7	7554.2	6747.4
40°	18978.0	17726.5	16542.7	15276.6	14054.4	12805.9	11653.1	10493.5	9433.7	8412.7	7477.9
37.5°	21800.8	20359.0	18892.2	17364.4	15922.3	14470.0	13077.5	11766.7	10493.5	9338.3	8257.7
35°	24832.4	23169.2	21429.1	19685.3	17898.1	16248.8	14609.5	13077.5	11653.1	10299.4	9053.8
32.5°	28124.2	26178.6	24102.6	22112.3	20086.8	18093.7	16248.8	14470.0	12805.9	11314.5	9914.6
30°	31665.9	29357.9	27002.7	24609.8	22342.1	20086.8	17898.1	15922.3	14054.4	12312.6	10757.3
27.5°	35393.7	32653.9	29991.4	27280.2	24609.8	22112.3	19685.3	17364.4	15276.6	13371.5	11635.5
25°	39089.4	36154.1	33019.8	29991.4	27002.7	24102.6	21429.1	18892.2	16542.7	14403.6	12454.9
22.5°	42668.2	39488.0	36154.1	32653.9	29357.9	26178.6	23169.2	20359.0	17726.5	15418.1	13321.8
20°	46295.9	42668.2	39089.4	35393.7	31665.9	28124.2	24832.4	21800.8	18978.0	16416.7	14130.8
17.5°	49903.1	45819.8	41799.0	37910.5	33901.7	30067.0	26473.8	23149.2	20107.1	17315.4	14857.3
15°	53312.8	48816.0	44416.1	40170.9	35992.8	31812.7	27933.9	24349.1	21135.8	18180.8	15576.1
12.5°	56431.5	51592.4	46750.2	42153.6	37816.1	33407.4	29296.8	25513.3	22086.8	18973.3	16204.0
10°	59109.3	53993.3	48855.7	43956.6	39344.2	34811.2	30461.8	26482.7	22877.1	19630.5	16723.9
7.5°	61240.3	55959.2	50585.5	45398.1	40560.5	35924.6	31383.3	27247.8	23499.6	20147.4	17132.2
5°	62823.6	57408.5	51853.4	46450.1	41444.9	36732.1	32050.1	27800.4	23948.6	20519.7	17426.0
2.5°	63800.5	58297.6	52628.0	47090.7	41982.2	37221.7	32453.7	28134.5	24219.7	20744.4	17603.2
0°	64131.0	58597.4	52888.6	47305.8	42162.4	37385.7	32588.9	28246.3	24310.4	20819.5	17662.4
-2.5°	63800.5	58297.6	52628.0	47090.7	41982.2	37221.7	32453.7	28134.5	24219.7	20744.4	17603.2
-5°	62823.6	57408.5	51853.4	46450.1	41444.9	36732.1	32050.1	27800.4	23948.6	20519.7	17426.0
-7.5°	61240.3	55959.2	50585.5	45398.1	40560.5	35924.6	31383.3	27247.8	23499.6	20147.4	17132.2
-10°	59109.3	53993.3	48855.7	43956.6	39344.2	34811.2	30461.8	26482.7	22877.1	19630.5	16723.9
-12.5°	56431.5	51592.4	46750.2	42153.6	37816.1	33407.4	29296.8	25513.3	22086.8	18973.3	16204.0
-15°	53312.8	48816.0	44416.1	40170.9	35992.8	31812.7	27933.9	24349.1	21135.8	18180.8	15576.1
-17.5°	49903.1	45819.8	41799.0	37910.5	33901.7	30067.0	26473.8	23149.2	20107.1	17315.4	14857.3
-20°	46295.9	42668.2	39089.4	35393.7	31665.9	28124.2	24832.4	21800.8	18978.0	16416.7	14130.8



REPORT NUMBER: P731299 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	42668.2	39488.0	36154.1	32653.9	29357.9	26178.6	23169.2	20359.0	17726.5	15418.1	13321.8
-25°	39089.4	36154.1	33019.8	29991.4	27002.7	24102.6	21429.1	18892.2	16542.7	14403.6	12454.9
-27.5°	35393.7	32653.9	29991.4	27280.2	24609.8	22112.3	19685.3	17364.4	15276.6	13371.5	11635.5
-30°	31665.9	29357.9	27002.7	24609.8	22342.1	20086.8	17898.1	15922.3	14054.4	12312.6	10757.3
-32.5°	28124.2	26178.6	24102.6	22112.3	20086.8	18093.7	16248.8	14470.0	12805.9	11314.5	9914.6
-35°	24832.4	23169.2	21429.1	19685.3	17898.1	16248.8	14609.5	13077.5	11653.1	10299.4	9053.8
-37.5°	21800.8	20359.0	18892.2	17364.4	15922.3	14470.0	13077.5	11766.7	10493.5	9338.3	8257.7
-40°	18978.0	17726.5	16542.7	15276.6	14054.4	12805.9	11653.1	10493.5	9433.7	8412.7	7477.9
-42.5°	16416.7	15418.1	14403.6	13371.5	12312.6	11314.5	10299.4	9338.3	8412.7	7554.2	6747.4
-45°	14130.8	13321.8	12454.9	11635.5	10757.3	9914.6	9053.8	8257.7	7477.9	6747.4	6015.1
-47.5°	12092.6	11454.1	10752.7	10061.0	9346.1	8617.2	7950.4	7256.7	6616.1	5961.8	5394.7
-50°	10303.5	9787.8	9220.3	8632.5	8082.4	7495.8	6927.8	6355.6	5802.6	5289.7	4783.8
-52.5°	8710.0	8316.2	7882.2	7409.9	6950.8	6474.6	5977.8	5540.0	5081.3	4649.1	4217.4
-55°	7370.2	7045.1	6695.7	6314.8	5923.6	5561.8	5177.7	4796.4	4426.7	4040.6	3692.5
-57.5°	6182.2	5914.3	5651.0	5363.6	5053.2	4751.5	4444.2	4119.5	3812.9	3504.2	3190.7
-60°	5177.7	4960.7	4751.5	4523.6	4277.2	4015.8	3772.4	3514.9	3244.1	2999.8	2746.2
-62.5°	4298.0	4127.2	3951.2	3772.4	3578.9	3371.1	3162.1	2960.9	2749.0	2530.2	2326.3
-65°	3524.0	3391.2	3244.1	3105.0	2955.3	2794.5	2623.0	2454.7	2286.0	2109.2	1927.7
-67.5°	2847.8	2746.2	2633.7	2515.6	2398.0	2271.6	2136.6	1993.4	1855.6	1716.3	1570.7
-70°	2251.8	2173.1	2085.8	1990.1	1894.3	1796.1	1691.3	1580.0	1462.6	1353.0	1245.2
-72.5°	1721.7	1661.6	1595.0	1522.0	1442.7	1368.1	1292.0	1211.1	1125.6	1035.8	948.9
-75°	1259.5	1216.8	1169.5	1117.5	1061.1	1000.3	943.7	887.2	827.5	764.6	698.9
-77.5°	870.7	841.8	809.7	774.4	736.2	694.9	650.8	607.5	568.8	528.2	485.7
-80°	551.7	533.8	513.9	492.1	468.3	442.7	415.4	386.2	355.4	328.2	305.3
-82.5°	304.7	295.7	285.6	274.6	262.6	249.7	235.9	221.2	205.6	189.2	172.0
-85°	137.0	133.7	130.1	126.0	121.7	117.0	111.9	106.5	100.9	94.9	88.6
-87.5°	42.8	42.1	41.3	40.4	39.5	38.5	37.3	36.2	34.9	33.6	32.2
-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: P731299 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-HEG

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°	30.8	29.3	27.8	26.1	24.5	22.8	21.1	19.3	17.4	15.6	13.7
85°	82.0	75.2	68.1	60.8	53.3	45.6	42.1	38.5	34.9	31.2	27.4
82.5°	154.1	141.8	131.2	120.2	108.9	97.3	85.3	73.1	60.7	48.0	41.0
80°	281.3	256.4	230.6	203.9	176.4	148.8	132.9	116.7	100.1	83.2	66.1
77.5°	441.2	395.1	347.2	311.2	276.9	241.6	205.4	168.4	139.2	118.2	96.8
75°	630.2	572.5	515.1	455.7	394.7	334.3	290.9	246.7	201.5	155.6	127.3
72.5°	868.7	785.5	699.2	612.4	541.2	468.1	393.3	324.1	271.5	218.1	163.9
70°	1133.0	1016.5	911.5	809.8	705.2	602.9	517.5	430.3	341.5	279.9	218.1
67.5°	1419.6	1288.4	1152.7	1012.9	889.6	769.0	645.8	542.3	442.7	341.5	271.5
65°	1758.9	1584.0	1406.4	1251.1	1091.5	937.7	801.1	661.8	542.3	430.3	324.1
62.5°	2114.5	1902.0	1703.0	1498.3	1310.5	1131.0	953.8	801.1	645.8	517.5	393.3
60°	2491.4	2251.8	2004.7	1775.0	1546.1	1330.3	1131.0	937.7	769.0	602.9	468.1
57.5°	2904.8	2609.3	2334.8	2059.8	1799.1	1546.1	1310.5	1091.5	889.6	705.2	541.2
55°	3332.8	3000.7	2672.9	2362.6	2059.8	1775.0	1498.3	1251.1	1012.9	809.8	612.4
52.5°	3806.4	3408.2	3032.8	2672.9	2334.8	2004.7	1703.0	1406.4	1152.7	911.5	699.2
50°	4306.4	3844.6	3408.2	3000.7	2609.3	2251.8	1902.0	1584.0	1288.4	1016.5	785.5
47.5°	4828.9	4306.4	3806.4	3332.8	2904.8	2491.4	2114.5	1758.9	1419.6	1133.0	868.7
45°	5394.7	4783.8	4217.4	3692.5	3190.7	2746.2	2326.3	1927.7	1570.7	1245.2	948.9
42.5°	5961.8	5289.7	4649.1	4040.6	3504.2	2999.8	2530.2	2109.2	1716.3	1353.0	1035.8
40°	6616.1	5802.6	5081.3	4426.7	3812.9	3244.1	2749.0	2286.0	1855.6	1462.6	1125.6
37.5°	7256.7	6355.6	5540.0	4796.4	4119.5	3514.9	2960.9	2454.7	1993.4	1580.0	1211.1
35°	7950.4	6927.8	5977.8	5177.7	4444.2	3772.4	3162.1	2623.0	2136.6	1691.3	1292.0
32.5°	8617.2	7495.8	6474.6	5561.8	4751.5	4015.8	3371.1	2794.5	2271.6	1796.1	1368.1
30°	9346.1	8082.4	6950.8	5923.6	5053.2	4277.2	3578.9	2955.3	2398.0	1894.3	1442.7
27.5°	10061.0	8632.5	7409.9	6314.8	5363.6	4523.6	3772.4	3105.0	2515.6	1990.1	1522.0
25°	10752.7	9220.3	7882.2	6695.7	5651.0	4751.5	3951.2	3244.1	2633.7	2085.8	1595.0
22.5°	11454.1	9787.8	8316.2	7045.1	5914.3	4960.7	4127.2	3391.2	2746.2	2173.1	1661.6
20°	12092.6	10303.5	8710.0	7370.2	6182.2	5177.7	4298.0	3524.0	2847.8	2251.8	1721.7
17.5°	12681.0	10796.4	9121.5	7692.9	6440.5	5371.0	4450.0	3642.1	2938.0	2321.7	1775.0
15°	13270.7	11259.5	9493.6	7975.5	6666.5	5540.0	4582.7	3745.2	3016.8	2382.7	1821.5
12.5°	13775.9	11655.7	9811.6	8216.8	6859.2	5684.1	4695.8	3833.0	3083.8	2434.6	1861.0
10°	14193.7	11983.0	10074.1	8415.7	7018.0	5802.6	4788.9	3905.2	3138.9	2477.2	1893.5
7.5°	14521.5	12239.5	10279.5	8571.4	7142.2	5895.3	4861.6	3961.6	3181.9	2510.5	1918.8
5°	14757.1	12423.8	10427.1	8683.1	7231.3	5961.8	4913.7	4002.0	3212.7	2534.3	1937.0
2.5°	14899.2	12534.8	10515.9	8750.4	7284.9	6001.8	4945.0	4026.3	3231.2	2548.6	1947.9
0°	14946.6	12571.9	10545.6	8772.8	7302.8	6015.1	4955.5	4034.4	3237.4	2553.4	1951.5
-2.5°	14899.2	12534.8	10515.9	8750.4	7284.9	6001.8	4945.0	4026.3	3231.2	2548.6	1947.9
-5°	14757.1	12423.8	10427.1	8683.1	7231.3	5961.8	4913.7	4002.0	3212.7	2534.3	1937.0
-7.5°	14521.5	12239.5	10279.5	8571.4	7142.2	5895.3	4861.6	3961.6	3181.9	2510.5	1918.8
-10°	14193.7	11983.0	10074.1	8415.7	7018.0	5802.6	4788.9	3905.2	3138.9	2477.2	1893.5
-12.5°	13775.9	11655.7	9811.6	8216.8	6859.2	5684.1	4695.8	3833.0	3083.8	2434.6	1861.0
-15°	13270.7	11259.5	9493.6	7975.5	6666.5	5540.0	4582.7	3745.2	3016.8	2382.7	1821.5
-17.5°	12681.0	10796.4	9121.5	7692.9	6440.5	5371.0	4450.0	3642.1	2938.0	2321.7	1775.0
-20°	12092.6	10303.5	8710.0	7370.2	6182.2	5177.7	4298.0	3524.0	2847.8	2251.8	1721.7



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	11454.1	9787.8	8316.2	7045.1	5914.3	4960.7	4127.2	3391.2	2746.2	2173.1	1661.6
-25°	10752.7	9220.3	7882.2	6695.7	5651.0	4751.5	3951.2	3244.1	2633.7	2085.8	1595.0
-27.5°	10061.0	8632.5	7409.9	6314.8	5363.6	4523.6	3772.4	3105.0	2515.6	1990.1	1522.0
-30°	9346.1	8082.4	6950.8	5923.6	5053.2	4277.2	3578.9	2955.3	2398.0	1894.3	1442.7
-32.5°	8617.2	7495.8	6474.6	5561.8	4751.5	4015.8	3371.1	2794.5	2271.6	1796.1	1368.1
-35°	7950.4	6927.8	5977.8	5177.7	4444.2	3772.4	3162.1	2623.0	2136.6	1691.3	1292.0
-37.5°	7256.7	6355.6	5540.0	4796.4	4119.5	3514.9	2960.9	2454.7	1993.4	1580.0	1211.1
-40°	6616.1	5802.6	5081.3	4426.7	3812.9	3244.1	2749.0	2286.0	1855.6	1462.6	1125.6
-42.5°	5961.8	5289.7	4649.1	4040.6	3504.2	2999.8	2530.2	2109.2	1716.3	1353.0	1035.8
-45°	5394.7	4783.8	4217.4	3692.5	3190.7	2746.2	2326.3	1927.7	1570.7	1245.2	948.9
-47.5°	4828.9	4306.4	3806.4	3332.8	2904.8	2491.4	2114.5	1758.9	1419.6	1133.0	868.7
-50°	4306.4	3844.6	3408.2	3000.7	2609.3	2251.8	1902.0	1584.0	1288.4	1016.5	785.5
-52.5°	3806.4	3408.2	3032.8	2672.9	2334.8	2004.7	1703.0	1406.4	1152.7	911.5	699.2
-55°	3332.8	3000.7	2672.9	2362.6	2059.8	1775.0	1498.3	1251.1	1012.9	809.8	612.4
-57.5°	2904.8	2609.3	2334.8	2059.8	1799.1	1546.1	1310.5	1091.5	889.6	705.2	541.2
-60°	2491.4	2251.8	2004.7	1775.0	1546.1	1330.3	1131.0	937.7	769.0	602.9	468.1
-62.5°	2114.5	1902.0	1703.0	1498.3	1310.5	1131.0	953.8	801.1	645.8	517.5	393.3
-65°	1758.9	1584.0	1406.4	1251.1	1091.5	937.7	801.1	661.8	542.3	430.3	324.1
-67.5°	1419.6	1288.4	1152.7	1012.9	889.6	769.0	645.8	542.3	442.7	341.5	271.5
-70°	1133.0	1016.5	911.5	809.8	705.2	602.9	517.5	430.3	341.5	279.9	218.1
-72.5°	868.7	785.5	699.2	612.4	541.2	468.1	393.3	324.1	271.5	218.1	163.9
-75°	630.2	572.5	515.1	455.7	394.7	334.3	290.9	246.7	201.5	155.6	127.3
-77.5°	441.2	395.1	347.2	311.2	276.9	241.6	205.4	168.4	139.2	118.2	96.8
-80°	281.3	256.4	230.6	203.9	176.4	148.8	132.9	116.7	100.1	83.2	66.1
-82.5°	154.1	141.8	131.2	120.2	108.9	97.3	85.3	73.1	60.7	48.0	41.0
-85°	82.0	75.2	68.1	60.8	53.3	45.6	42.1	38.5	34.9	31.2	27.4
-87.5°	30.8	29.3	27.8	26.1	24.5	22.8	21.1	19.3	17.4	15.6	13.7
-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):

	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°	11.8	9.9	7.9	6.0	4.0	2.0	0.0
85°	23.6	19.7	15.8	11.9	7.9	4.0	0.0
82.5°	35.3	29.5	23.7	17.8	11.9	6.0	0.0
80°	48.8	39.3	31.5	23.7	15.8	7.9	0.0
77.5°	75.2	53.3	39.3	29.5	19.7	9.9	0.0
75°	101.4	75.2	48.8	35.3	23.6	11.8	0.0
72.5°	127.3	96.8	66.1	41.0	27.4	13.7	0.0
70°	155.6	118.2	83.2	48.0	31.2	15.6	0.0
67.5°	201.5	139.2	100.1	60.7	34.9	17.4	0.0
65°	246.7	168.4	116.7	73.1	38.5	19.3	0.0
62.5°	290.9	205.4	132.9	85.3	42.1	21.1	0.0
60°	334.3	241.6	148.8	97.3	45.6	22.8	0.0
57.5°	394.7	276.9	176.4	108.9	53.3	24.5	0.0
55°	455.7	311.2	203.9	120.2	60.8	26.1	0.0
52.5°	515.1	347.2	230.6	131.2	68.1	27.8	0.0
50°	572.5	395.1	256.4	141.8	75.2	29.3	0.0
47.5°	630.2	441.2	281.3	154.1	82.0	30.8	0.0
45°	698.9	485.7	305.3	172.0	88.6	32.2	0.0
42.5°	764.6	528.2	328.2	189.2	94.9	33.6	0.0
40°	827.5	568.8	355.4	205.6	100.9	34.9	0.0
37.5°	887.2	607.5	386.2	221.2	106.5	36.2	0.0
35°	943.7	650.8	415.4	235.9	111.9	37.3	0.0
32.5°	1000.3	694.9	442.7	249.7	117.0	38.5	0.0
30°	1061.1	736.2	468.3	262.6	121.7	39.5	0.0
27.5°	1117.5	774.4	492.1	274.6	126.0	40.4	0.0
25°	1169.5	809.7	513.9	285.6	130.1	41.3	0.0
22.5°	1216.8	841.8	533.8	295.7	133.7	42.1	0.0
20°	1259.5	870.7	551.7	304.7	137.0	42.8	0.0
17.5°	1297.3	896.4	567.6	312.7	140.0	43.5	0.0
15°	1330.3	918.7	581.4	319.7	142.5	44.0	0.0
12.5°	1358.4	937.7	593.2	325.6	144.7	44.5	0.0
10°	1381.4	953.3	602.9	330.5	146.4	44.9	0.0
7.5°	1399.4	965.5	610.4	334.3	147.8	45.2	0.0
5°	1412.3	974.2	615.8	337.0	148.8	45.4	0.0
2.5°	1420.0	979.5	619.0	338.7	149.4	45.6	0.0
0°	1422.6	981.2	620.1	339.2	149.6	45.6	0.0
-2.5°	1420.0	979.5	619.0	338.7	149.4	45.6	0.0
-5°	1412.3	974.2	615.8	337.0	148.8	45.4	0.0
-7.5°	1399.4	965.5	610.4	334.3	147.8	45.2	0.0
-10°	1381.4	953.3	602.9	330.5	146.4	44.9	0.0
-12.5°	1358.4	937.7	593.2	325.6	144.7	44.5	0.0
-15°	1330.3	918.7	581.4	319.7	142.5	44.0	0.0
-17.5°	1297.3	896.4	567.6	312.7	140.0	43.5	0.0
-20°	1259.5	870.7	551.7	304.7	137.0	42.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1216.8	841.8	533.8	295.7	133.7	42.1	0.0
-25°	1169.5	809.7	513.9	285.6	130.1	41.3	0.0
-27.5°	1117.5	774.4	492.1	274.6	126.0	40.4	0.0
-30°	1061.1	736.2	468.3	262.6	121.7	39.5	0.0
-32.5°	1000.3	694.9	442.7	249.7	117.0	38.5	0.0
-35°	943.7	650.8	415.4	235.9	111.9	37.3	0.0
-37.5°	887.2	607.5	386.2	221.2	106.5	36.2	0.0
-40°	827.5	568.8	355.4	205.6	100.9	34.9	0.0
-42.5°	764.6	528.2	328.2	189.2	94.9	33.6	0.0
-45°	698.9	485.7	305.3	172.0	88.6	32.2	0.0
-47.5°	630.2	441.2	281.3	154.1	82.0	30.8	0.0
-50°	572.5	395.1	256.4	141.8	75.2	29.3	0.0
-52.5°	515.1	347.2	230.6	131.2	68.1	27.8	0.0
-55°	455.7	311.2	203.9	120.2	60.8	26.1	0.0
-57.5°	394.7	276.9	176.4	108.9	53.3	24.5	0.0
-60°	334.3	241.6	148.8	97.3	45.6	22.8	0.0
-62.5°	290.9	205.4	132.9	85.3	42.1	21.1	0.0
-65°	246.7	168.4	116.7	73.1	38.5	19.3	0.0
-67.5°	201.5	139.2	100.1	60.7	34.9	17.4	0.0
-70°	155.6	118.2	83.2	48.0	31.2	15.6	0.0
-72.5°	127.3	96.8	66.1	41.0	27.4	13.7	0.0
-75°	101.4	75.2	48.8	35.3	23.6	11.8	0.0
-77.5°	75.2	53.3	39.3	29.5	19.7	9.9	0.0
-80°	48.8	39.3	31.5	23.7	15.8	7.9	0.0
-82.5°	35.3	29.5	23.7	17.8	11.9	6.0	0.0
-85°	23.6	19.7	15.8	11.9	7.9	4.0	0.0
-87.5°	11.8	9.9	7.9	6.0	4.0	2.0	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



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

