

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: P731592 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-7F-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731592 (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: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-7F-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

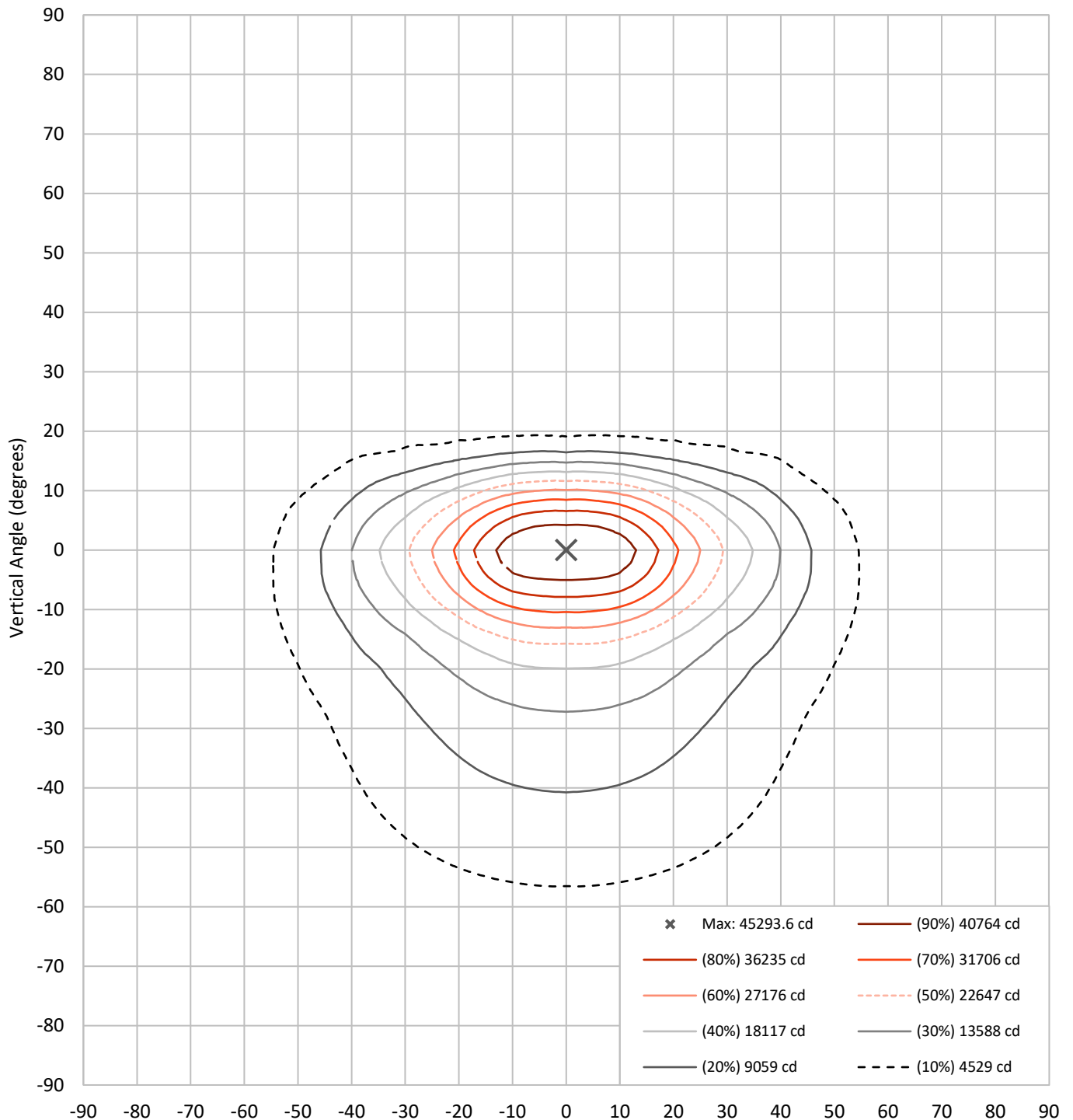
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	30476.4 lumens	Max Intensity:	45293.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	54.4 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:	12030.9 lumens	Field Lumens:	26819.9 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%

Input Watts (W): 559.9
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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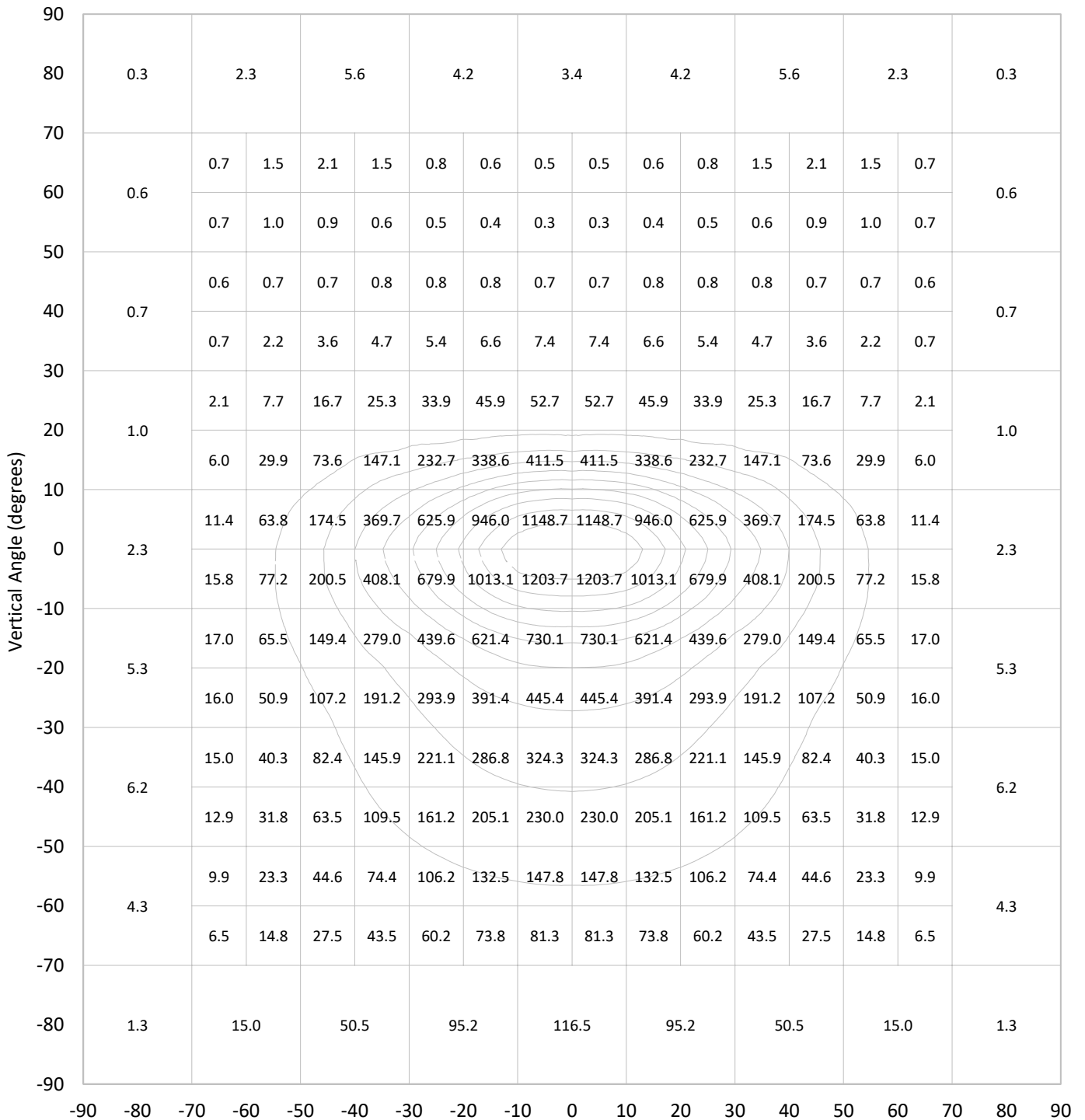
Iso-Candela Plot





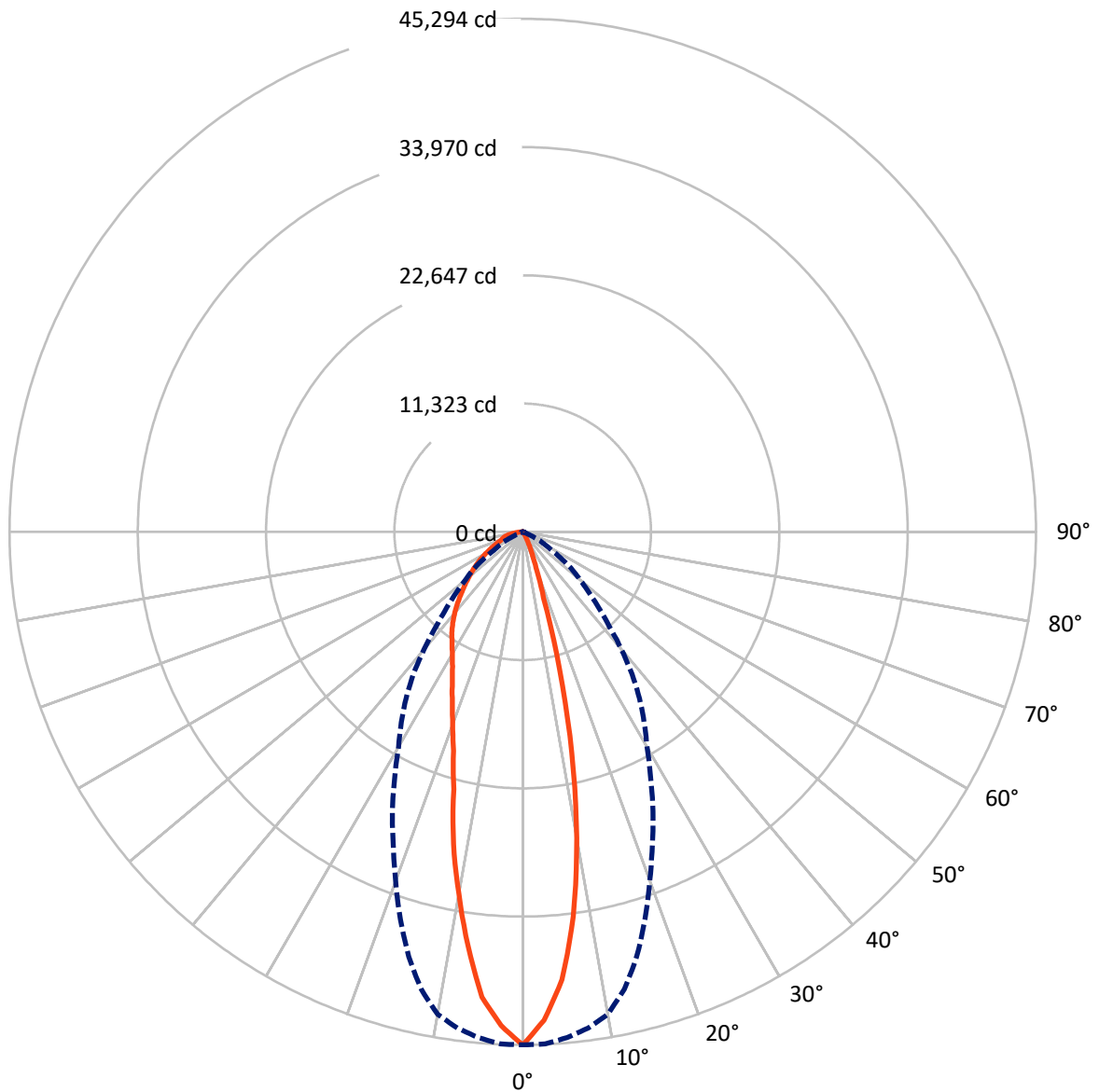
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Lumen Table



REPORT NUMBER: P731592 (CONVERTED FROM TYPE C PHOTOMETRY)
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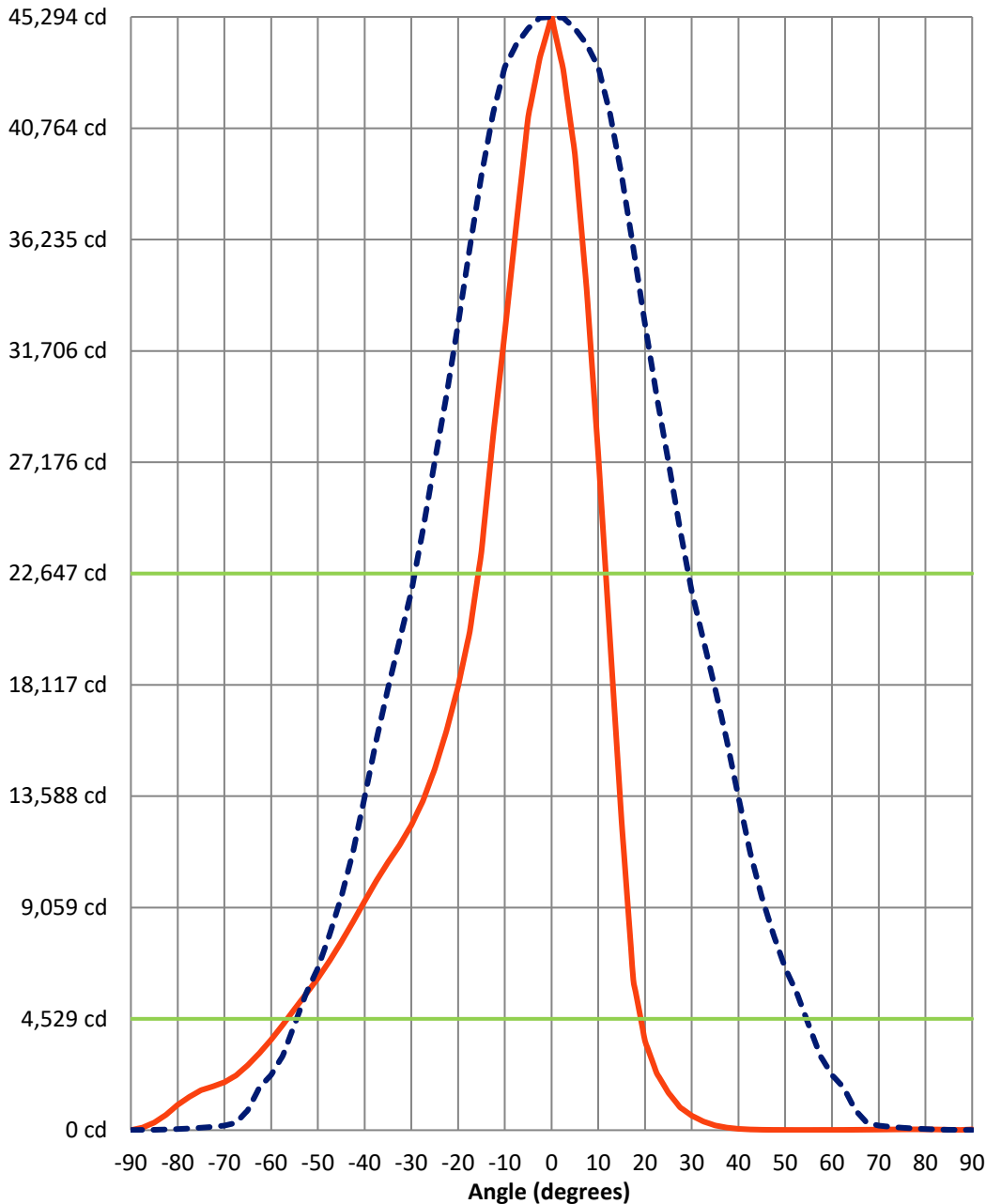
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 27.3°
 Lumens: 12030.9
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 26819.9
 Efficiency: 88.0%

Spill:
 Lumens: 3656.6
 Efficiency: 12.0%

- 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°	6.6	7.4	8.2	8.6	9.1	9.5	9.9	10.3	10.7	11.1	11.5
87.5°	6.6	6.9	7.3	7.8	8.5	9.2	10.0	10.2	10.3	10.2	10.1
85°	6.6	7.2	8.0	9.1	10.3	11.8	13.4	13.8	13.9	13.9	13.6
82.5°	6.6	7.5	8.7	10.3	12.1	14.3	16.8	17.4	17.7	19.0	21.3
80°	6.6	7.7	9.4	11.5	13.9	16.8	19.9	20.8	22.9	26.5	31.4
77.5°	6.6	8.0	10.1	12.7	15.7	18.7	21.4	23.8	27.9	33.6	39.5
75°	6.6	8.3	10.8	13.8	17.2	19.5	22.8	26.7	32.2	37.0	41.8
72.5°	6.6	8.5	11.4	14.9	17.5	20.2	24.2	29.0	33.8	38.8	44.1
70°	6.6	8.8	12.1	15.8	17.7	20.9	25.3	30.2	35.3	40.6	45.7
67.5°	6.6	9.1	12.7	15.8	17.9	21.4	26.3	31.3	36.6	41.9	47.1
65°	6.6	9.3	13.3	15.7	18.0	22.1	27.3	32.3	37.7	43.1	49.0
62.5°	6.6	9.5	13.8	15.5	18.0	23.1	28.3	33.2	38.7	44.4	51.8
60°	6.6	9.8	14.4	15.4	18.0	24.0	29.2	34.0	39.6	46.6	54.4
57.5°	6.6	10.0	14.2	15.2	18.7	24.8	30.3	34.8	41.0	48.5	55.3
55°	6.6	10.2	14.1	14.9	19.5	25.7	31.5	35.9	42.3	49.8	55.5
52.5°	6.6	10.4	14.0	14.6	20.2	26.6	32.6	37.4	43.5	49.9	55.6
50°	6.6	10.6	13.9	14.3	20.9	27.7	33.9	39.0	44.1	49.8	52.8
47.5°	6.6	10.7	13.8	14.1	21.5	28.8	35.2	40.5	44.0	49.7	50.1
45°	6.6	10.9	13.8	14.6	22.1	29.9	36.5	42.1	45.0	47.7	47.8
42.5°	6.6	11.0	13.7	15.0	22.7	31.1	37.9	43.5	46.2	46.0	45.6
40°	6.6	11.2	13.7	15.7	23.5	32.2	39.3	44.6	47.4	44.9	43.6
37.5°	6.6	11.3	13.7	16.6	24.3	33.3	40.6	45.9	48.2	46.0	42.0
35°	6.6	11.4	13.7	17.5	25.1	34.4	41.9	47.3	49.5	48.0	42.2
32.5°	6.6	11.5	13.7	18.3	25.9	35.4	43.1	48.8	51.2	51.2	50.6
30°	6.6	11.6	13.8	19.2	26.7	36.4	44.3	50.3	53.2	55.3	61.0
27.5°	6.6	11.6	13.8	20.1	28.4	37.3	45.4	51.9	56.0	60.5	73.3
25°	6.6	11.7	13.9	21.0	30.1	38.2	46.6	53.6	60.0	69.2	88.7
22.5°	6.6	11.7	14.0	21.8	31.9	39.6	47.8	55.5	64.5	80.3	139.2
20°	6.6	11.7	14.1	22.7	33.7	42.7	48.9	57.6	69.4	92.3	196.7
17.5°	6.6	11.7	14.1	23.5	35.5	46.0	53.2	59.7	74.8	104.9	259.9
15°	6.6	11.7	14.2	24.3	37.2	49.3	59.6	65.7	80.4	117.9	327.1
12.5°	6.6	11.7	14.3	25.0	38.9	52.7	66.2	76.9	93.3	131.2	396.6
10°	6.6	11.7	14.4	25.7	40.5	56.2	73.1	88.4	112.1	162.5	474.2
7.5°	6.6	11.7	14.5	26.4	42.1	59.6	80.1	100.2	131.2	196.9	566.6
5°	6.6	11.6	14.6	27.0	43.5	62.9	87.0	112.0	150.4	231.4	655.4
2.5°	6.6	11.6	14.7	27.5	44.9	66.1	93.8	123.6	169.3	265.3	738.3
0°	6.6	11.5	14.8	28.0	46.1	69.1	100.4	135.0	187.6	297.9	813.0
-2.5°	6.6	11.7	15.9	31.4	53.9	84.1	126.6	178.2	253.2	388.4	904.5
-5°	6.6	12.0	17.1	34.7	61.4	98.7	152.1	220.4	317.1	475.8	985.7
-7.5°	6.6	12.2	18.2	37.9	68.6	112.7	176.6	260.9	378.4	559.0	1056.7
-10°	6.6	12.4	19.2	40.9	75.4	125.9	199.7	299.1	436.1	636.9	1117.7
-12.5°	6.6	12.6	20.2	43.6	81.7	138.2	221.1	334.4	489.4	705.6	1142.6
-15°	6.6	12.8	21.1	46.1	87.5	149.4	240.5	366.4	532.9	747.4	1148.0
-17.5°	6.6	12.9	22.0	48.3	92.6	159.3	257.6	394.1	566.2	783.8	1148.1
-20°	6.6	13.1	22.8	50.3	97.0	167.9	273.6	418.1	595.5	814.5	1144.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.6	13.2	23.5	51.8	100.6	174.8	289.9	438.7	620.5	839.4	1136.5
-25°	6.6	13.3	24.1	53.0	103.3	183.8	303.7	455.7	641.2	858.1	1126.4
-27.5°	6.6	13.3	24.7	53.9	105.2	192.4	314.9	468.8	657.4	873.5	1141.9
-30°	6.6	13.4	25.1	54.3	106.5	199.2	323.5	478.0	670.2	888.9	1150.9
-32.5°	6.6	13.4	25.4	54.3	109.9	203.9	329.4	486.2	678.8	898.3	1152.2
-35°	6.6	13.4	25.6	53.9	112.1	206.6	334.0	491.5	681.9	901.7	1145.5
-37.5°	6.6	13.4	25.7	53.0	113.0	207.9	336.2	493.0	679.5	899.1	1108.0
-40°	6.6	13.3	25.7	51.7	112.5	208.3	335.4	490.7	671.5	890.7	1068.8
-42.5°	6.6	13.2	25.6	50.4	111.7	206.6	331.5	484.4	662.6	854.6	1024.2
-45°	6.6	13.1	25.3	49.5	110.7	202.7	324.4	475.0	650.7	811.4	974.4
-47.5°	6.6	13.0	25.0	48.1	108.5	196.7	314.3	462.5	633.4	764.6	921.5
-50°	6.6	12.8	24.5	47.6	105.1	188.7	303.2	445.9	595.9	721.3	864.3
-52.5°	6.6	12.6	23.9	47.1	100.6	178.5	289.5	425.3	556.2	674.1	803.7
-55°	6.6	12.4	23.2	46.1	95.0	169.4	272.8	401.0	514.3	623.2	745.0
-57.5°	6.6	12.2	22.4	44.7	88.3	159.3	253.4	375.3	470.0	571.3	682.1
-60°	6.6	11.9	21.5	42.7	80.8	147.5	231.9	341.0	424.5	517.4	617.0
-62.5°	6.6	11.6	20.6	40.4	75.9	134.1	212.9	303.4	381.4	461.0	552.4
-65°	6.6	11.3	19.8	37.6	70.1	119.4	191.8	267.0	337.1	409.3	485.0
-67.5°	6.6	11.0	18.8	34.4	63.7	105.9	168.8	235.1	291.7	358.1	424.3
-70°	6.6	10.6	17.8	30.9	56.6	94.1	144.0	202.7	255.1	305.8	366.1
-72.5°	6.6	10.3	16.7	28.3	48.9	81.3	123.9	169.7	218.2	264.9	309.8
-75°	6.6	9.9	15.6	25.8	40.7	67.6	103.4	140.2	180.8	223.8	265.3
-77.5°	6.6	9.5	14.5	23.1	35.3	53.3	81.9	111.3	144.1	181.3	220.2
-80°	6.6	9.1	13.3	20.4	30.3	42.9	59.6	81.5	106.6	135.1	166.9
-82.5°	6.6	8.7	12.0	17.5	25.1	34.8	46.5	56.4	68.3	88.0	110.2
-85°	6.6	8.3	10.8	14.6	19.8	26.5	34.5	41.1	48.3	56.0	64.2
-87.5°	6.6	7.8	9.5	11.6	14.5	18.0	22.2	25.7	29.5	33.6	37.9
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6



REPORT NUMBER: P731592 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.9	12.4	12.8	13.2	14.4	15.7	16.9	18.1	20.2	22.2	24.3
87.5°	10.8	11.5	12.3	13.2	12.6	11.9	11.0	10.1	10.8	11.6	12.4
85°	14.9	16.4	18.5	20.2	20.2	20.2	20.6	21.1	22.5	23.7	24.6
82.5°	24.1	26.3	27.8	28.8	30.3	32.3	34.9	38.8	41.0	42.3	43.2
80°	34.5	36.3	37.7	40.5	45.4	51.1	57.3	63.9	66.1	66.3	65.6
77.5°	41.3	44.0	48.5	54.7	62.1	69.2	76.9	85.1	87.5	87.0	85.7
75°	45.8	51.2	57.9	66.3	75.2	84.4	94.0	103.0	105.5	102.8	99.3
72.5°	49.3	56.3	65.3	76.3	86.4	95.8	105.8	116.4	120.0	114.3	107.1
70°	51.7	60.7	71.5	83.1	94.6	104.8	114.1	124.3	130.1	120.3	106.1
67.5°	53.8	64.8	76.7	88.6	99.0	108.6	119.3	122.6	124.0	109.2	94.0
65°	56.8	68.6	79.4	90.0	101.1	104.3	106.6	108.9	106.5	89.6	73.0
62.5°	59.8	69.6	79.9	88.0	90.7	92.4	90.5	86.0	80.1	68.5	54.9
60°	60.7	69.3	76.0	78.5	79.2	75.8	70.6	65.3	59.1	49.5	40.2
57.5°	61.0	65.4	67.9	68.5	65.3	59.8	54.7	47.9	42.7	36.7	29.1
55°	59.6	58.6	59.8	57.8	53.2	47.5	41.4	36.8	30.7	27.1	22.7
52.5°	55.4	53.1	52.0	48.7	43.5	38.2	33.3	28.9	25.4	21.4	18.6
50°	51.8	48.6	45.2	41.2	37.3	33.7	28.2	25.0	22.1	19.0	16.5
47.5°	48.4	44.6	39.5	36.2	35.8	33.6	28.2	23.3	20.7	20.6	18.3
45°	45.4	42.3	36.4	37.0	38.1	38.0	34.1	22.8	25.4	25.9	24.6
42.5°	42.8	41.5	43.2	39.3	45.5	48.9	45.9	38.3	34.0	37.8	39.3
40°	43.1	42.5	56.9	56.5	57.4	66.3	70.6	65.1	50.2	59.5	63.7
37.5°	44.8	59.8	77.6	83.5	78.3	93.5	102.7	109.1	97.3	89.7	102.9
35°	47.6	81.3	107.9	120.4	121.2	129.9	153.8	163.6	155.8	143.8	154.4
32.5°	62.2	107.1	143.8	165.0	184.5	193.6	214.9	225.0	233.5	233.5	229.0
30°	93.1	141.1	185.4	214.4	261.3	304.0	294.7	296.9	328.4	360.4	376.0
27.5°	145.9	183.3	231.9	284.1	355.8	438.7	453.6	411.5	454.3	513.5	566.1
25°	212.3	310.7	281.3	367.3	486.5	601.6	662.8	691.9	633.4	719.5	843.9
22.5°	304.1	472.3	473.8	457.9	633.5	794.4	945.1	1089.5	1164.2	1070.5	1199.8
20°	427.7	645.1	714.8	792.0	853.3	1013.6	1273.7	1588.8	1877.3	2040.7	1965.8
17.5°	569.8	833.8	993.6	1200.3	1404.6	1492.1	1657.8	2173.8	2734.0	3210.9	3467.3
15°	726.3	1035.3	1295.1	1650.7	2018.2	2295.2	2582.2	3025.6	3765.0	4580.9	5234.1
12.5°	892.6	1246.4	1613.7	2133.4	2679.4	3134.9	3646.7	4320.9	5174.0	6191.7	7255.6
10°	1063.9	1463.2	1943.1	2637.8	3374.2	3999.6	4732.1	5616.4	6705.7	7973.7	9310.9
7.5°	1245.5	1675.4	2267.8	3151.9	4087.3	4876.5	5823.6	6899.8	8221.6	9728.9	11340.9
5°	1421.4	1875.6	2538.5	3565.4	4666.0	5616.6	6818.1	8153.6	9703.5	11437.3	13337.0
2.5°	1585.5	2067.3	2794.9	3943.8	5135.7	6122.5	7409.0	8845.0	10593.4	12637.4	14834.6
0°	1733.1	2248.2	3033.3	4292.4	5569.5	6593.2	7951.1	9478.4	11300.4	13543.6	15852.7
-2.5°	1797.1	2342.6	3140.7	4344.3	5558.7	6601.8	7908.3	9466.4	11223.5	13362.2	15627.2
-5°	1842.3	2422.4	3225.3	4363.1	5512.0	6571.0	7817.1	9382.7	10979.1	12881.5	14910.7
-7.5°	1870.9	2485.7	3286.4	4331.0	5359.8	6329.7	7413.7	8747.2	10202.8	11896.2	13682.7
-10°	1877.0	2478.9	3194.7	4122.5	5064.1	5953.3	6919.3	8077.4	9378.9	10859.9	12413.1
-12.5°	1818.6	2410.3	3065.4	3899.2	4758.0	5562.4	6408.3	7392.2	8520.2	9793.3	11168.3
-15°	1755.4	2332.6	2926.4	3666.3	4448.9	5163.6	5889.3	6705.4	7706.2	8866.0	10051.8
-17.5°	1690.4	2247.2	2780.6	3429.2	4143.7	4763.0	5398.2	6173.3	7070.0	8047.4	9012.6
-20°	1626.6	2155.4	2630.7	3192.5	3847.2	4431.9	5051.4	5732.4	6485.3	7281.8	8049.1



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1566.6	2058.3	2492.0	2994.0	3592.5	4153.1	4706.4	5291.5	5915.0	6559.9	7369.6
-25°	1526.5	1965.1	2371.0	2836.5	3353.3	3870.7	4358.8	4861.8	5398.4	6111.8	6861.7
-27.5°	1501.5	1885.7	2264.7	2678.3	3124.4	3592.1	4033.8	4477.5	5075.8	5717.6	6381.4
-30°	1477.0	1806.8	2154.0	2528.8	2934.9	3340.6	3720.9	4222.1	4779.9	5367.2	5957.5
-32.5°	1430.3	1723.9	2053.1	2399.9	2758.8	3110.1	3507.2	4000.1	4511.7	5028.0	5560.8
-35°	1372.5	1650.8	1954.1	2269.0	2590.7	2938.2	3340.8	3774.6	4244.7	4725.0	5250.9
-37.5°	1321.9	1571.2	1851.5	2145.1	2446.5	2788.8	3158.8	3564.3	3992.6	4441.8	4943.8
-40°	1265.9	1485.4	1754.3	2029.7	2312.7	2632.5	2981.1	3349.5	3743.8	4173.2	4623.8
-42.5°	1205.8	1417.3	1654.3	1911.2	2180.3	2472.7	2789.3	3135.8	3503.6	3894.6	4307.3
-45°	1150.0	1343.9	1552.5	1792.4	2041.3	2307.3	2600.9	2912.0	3260.6	3620.5	3992.3
-47.5°	1088.0	1267.4	1464.9	1665.6	1898.8	2144.0	2404.2	2698.5	3006.6	3340.8	3684.0
-50°	1021.1	1191.4	1365.3	1549.0	1752.9	1977.0	2214.7	2479.5	2764.6	3056.6	3365.4
-52.5°	952.3	1108.9	1266.2	1429.8	1611.8	1810.9	2027.0	2261.4	2518.0	2785.8	3052.2
-55°	879.0	1023.6	1163.5	1312.3	1470.9	1648.3	1839.3	2048.1	2263.4	2507.2	2742.0
-57.5°	804.9	932.1	1059.5	1194.5	1335.9	1484.5	1658.4	1835.3	2029.4	2229.9	2425.4
-60°	728.3	839.3	952.5	1074.5	1202.3	1336.8	1478.4	1636.4	1800.7	1962.9	2135.2
-62.5°	648.7	746.7	846.4	950.9	1065.7	1186.9	1313.4	1445.1	1580.6	1721.7	1860.8
-65°	572.0	655.0	742.0	833.5	925.5	1036.6	1148.6	1259.4	1377.9	1492.1	1603.7
-67.5°	493.9	572.6	645.8	717.2	802.0	897.3	985.3	1085.7	1185.0	1278.9	1369.8
-70°	429.2	492.2	559.4	624.0	690.8	771.9	858.2	938.0	1013.2	1091.9	1177.1
-72.5°	366.9	427.7	483.9	535.5	603.2	679.1	749.9	815.8	887.4	962.2	1031.1
-75°	309.8	362.9	417.7	468.5	524.8	591.1	662.4	729.5	790.4	851.0	913.7
-77.5°	254.9	294.8	340.9	393.0	448.9	500.4	556.8	617.6	674.5	732.2	793.5
-80°	195.7	224.1	255.5	291.6	333.1	378.6	427.4	479.3	524.8	566.7	608.0
-82.5°	131.7	153.4	175.3	197.4	220.6	245.1	272.1	305.2	334.7	364.3	394.4
-85°	72.9	82.1	97.0	112.2	125.1	138.8	153.2	168.2	182.2	195.9	209.4
-87.5°	42.5	47.3	52.3	57.5	61.0	64.3	67.5	70.5	74.5	78.3	82.1
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	26.3	26.7	27.2	27.6	28.0	29.2	30.5	31.7	32.9	32.5	32.1
87.5°	13.3	13.1	12.9	12.7	12.4	13.7	14.9	16.3	17.6	16.1	14.6
85°	25.3	25.5	25.5	25.4	25.2	26.9	28.6	30.3	31.9	29.4	26.8
82.5°	43.5	42.7	41.2	39.1	36.5	35.9	35.2	34.2	33.0	31.6	30.3
80°	64.5	61.4	57.4	52.7	47.5	44.8	42.2	39.2	36.0	35.1	34.3
77.5°	83.1	77.5	70.7	63.3	55.4	50.7	46.7	42.5	38.2	37.3	36.9
75°	95.0	87.7	77.8	67.5	56.9	50.3	45.4	40.7	36.1	34.7	34.1
72.5°	98.6	88.5	76.9	64.0	51.6	43.8	39.3	35.2	31.6	30.1	29.4
70°	92.3	78.8	66.0	53.6	42.2	34.9	31.7	29.0	26.7	25.6	25.2
67.5°	77.9	63.8	51.8	41.5	33.1	27.8	26.0	24.4	22.9	22.0	21.3
65°	59.2	48.2	39.4	32.5	27.2	23.9	22.5	21.1	19.8	18.7	18.0
62.5°	43.5	35.4	30.3	26.3	23.3	21.1	19.7	18.5	17.6	16.8	16.2
60°	32.8	27.2	24.1	21.6	19.6	18.2	17.4	16.7	15.9	15.2	14.6
57.5°	25.0	21.7	19.4	18.2	17.3	16.7	16.0	15.2	14.4	13.7	13.0
55°	19.8	18.1	16.8	16.4	16.0	15.4	14.6	14.0	13.2	12.2	11.4
52.5°	16.7	16.5	16.5	16.2	15.7	15.2	14.7	13.7	12.7	11.7	11.1
50°	16.5	16.6	16.7	16.4	15.9	15.4	14.9	14.1	13.5	12.8	12.4
47.5°	17.1	17.3	18.3	16.8	16.5	16.9	16.6	16.0	15.8	15.4	15.0
45°	20.1	23.6	24.5	23.2	20.4	22.7	21.9	19.4	20.9	20.7	19.4
42.5°	35.8	39.5	42.4	40.6	34.7	36.7	36.7	32.8	33.8	34.0	32.4
40°	68.3	66.9	71.6	69.7	63.4	61.1	63.8	59.3	58.4	60.6	57.9
37.5°	112.4	113.1	111.0	111.3	109.0	102.9	106.6	105.3	101.5	108.6	109.4
35°	175.7	181.1	163.9	170.7	173.7	167.0	171.2	183.1	175.4	192.0	196.5
32.5°	260.4	271.7	263.6	255.8	268.7	279.1	283.8	309.2	316.0	331.0	348.8
30°	365.0	394.3	417.5	403.0	401.4	437.8	458.8	492.9	526.1	545.9	582.2
27.5°	582.4	573.4	628.5	644.8	608.5	666.8	745.8	760.8	861.6	869.8	940.3
25°	920.5	915.8	932.3	1012.3	1032.6	1061.8	1197.4	1269.0	1384.6	1447.1	1501.1
22.5°	1374.4	1502.7	1524.6	1487.9	1663.5	1778.3	1816.2	2022.4	2116.7	2257.5	2299.8
20°	1942.2	2240.6	2617.5	2623.5	2551.2	2882.0	3019.1	3127.4	3357.9	3518.4	3627.3
17.5°	3430.7	3428.4	4198.3	4623.6	4575.5	4813.7	5487.5	5417.9	5962.4	6292.4	6306.3
15°	5615.2	6022.4	6511.0	7282.5	7939.1	8468.4	9108.2	9944.1	10621.1	11416.2	12019.9
12.5°	8114.4	8916.3	9752.5	10632.6	11663.1	12833.4	14106.1	15220.4	16545.9	17705.9	18905.3
10°	10618.5	11888.5	13068.7	14383.9	15848.7	17407.5	19274.1	20905.0	22865.8	24585.5	25716.0
7.5°	12914.7	14438.3	16033.3	17945.1	19989.5	21947.0	24060.2	26347.7	28641.6	30628.6	32315.8
5°	15159.0	16871.7	18639.6	20745.5	23081.9	25534.8	28149.7	30855.0	33258.6	35522.0	37492.1
2.5°	16919.6	18881.5	20901.2	23282.6	25796.3	28282.0	30899.6	33811.9	36607.4	39254.6	41278.5
0°	17966.0	19934.4	21916.0	24439.1	27199.2	29870.4	32788.5	35889.2	38840.2	41371.5	43247.8
-2.5°	17549.2	19466.5	21468.8	23961.4	26620.5	29109.5	31897.5	34901.2	37759.3	40323.0	42270.3
-5°	16606.7	18326.9	20162.3	22467.1	24954.8	27427.6	30160.9	33018.2	35483.9	37759.4	39505.5
-7.5°	15281.4	16868.3	18580.1	20714.0	23001.6	25161.0	27395.3	29700.5	31944.3	33890.5	35327.0
-10°	13873.9	15310.5	16784.0	18495.2	20444.8	22329.6	24214.7	26317.3	28166.6	29773.3	30958.0
-12.5°	12462.4	13642.4	14804.9	16113.4	17786.4	19482.7	21113.1	22876.1	24349.1	25674.6	26728.5
-15°	11107.5	12026.2	12908.2	14174.7	15647.9	16900.6	17903.9	19500.8	20500.7	21679.0	22415.8
-17.5°	9848.1	10581.7	11653.7	12742.4	13793.4	14822.9	15980.5	16926.0	17907.4	18869.9	19503.1
-20°	8857.3	9764.6	10670.7	11556.0	12459.0	13441.7	14358.0	15251.4	16106.8	16846.4	17354.1



REPORT NUMBER: P731592 (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°	8212.3	9017.8	9780.5	10577.2	11456.8	12282.0	13056.2	13878.9	14610.3	15162.5	15575.6
-25°	7592.9	8293.5	9035.5	9832.6	10576.9	11271.4	11984.4	12619.4	13243.5	13703.3	14089.9
-27.5°	7034.7	7699.3	8430.4	9136.9	9800.3	10449.4	11055.2	11581.3	12101.2	12469.0	12853.4
-30°	6549.1	7222.2	7887.2	8515.2	9138.3	9726.4	10260.6	10760.1	11196.3	11554.6	11876.8
-32.5°	6182.3	6792.7	7384.8	7972.4	8563.0	9105.2	9572.8	10052.5	10453.9	10797.4	11089.3
-35°	5819.7	6393.6	6940.9	7479.3	8022.9	8545.7	8998.4	9416.1	9811.2	10118.6	10386.0
-37.5°	5466.0	6001.2	6507.6	6991.8	7489.1	7971.0	8384.0	8776.5	9129.6	9413.7	9667.4
-40°	5109.8	5600.0	6052.8	6503.9	6950.7	7354.5	7742.8	8104.2	8406.8	8668.7	8899.5
-42.5°	4741.7	5173.3	5581.7	5994.6	6402.7	6760.1	7102.7	7427.4	7684.9	7917.1	8116.9
-45°	4372.2	4752.0	5126.2	5497.2	5833.0	6162.9	6473.5	6747.7	6979.8	7185.4	7358.8
-47.5°	4016.6	4339.4	4681.7	5020.0	5308.5	5590.9	5862.6	6095.1	6296.7	6476.5	6629.0
-50°	3661.2	3949.3	4247.9	4538.2	4802.7	5050.6	5278.3	5481.4	5665.2	5820.6	5951.4
-52.5°	3309.3	3576.9	3832.1	4068.2	4308.5	4536.4	4748.2	4925.8	5086.9	5230.6	5345.9
-55°	2973.5	3210.0	3448.7	3649.7	3844.1	4033.9	4210.3	4368.9	4514.8	4646.8	4750.2
-57.5°	2634.7	2841.0	3040.4	3220.7	3395.1	3562.5	3705.4	3829.7	3946.2	4052.9	4144.1
-60°	2307.6	2479.6	2648.1	2798.5	2943.8	3083.1	3204.8	3310.6	3404.4	3487.1	3561.8
-62.5°	2000.6	2148.4	2282.6	2404.1	2517.8	2631.4	2735.2	2826.7	2906.1	2974.1	3032.6
-65°	1718.4	1840.6	1948.0	2048.6	2143.0	2238.7	2322.0	2397.2	2464.1	2520.3	2565.4
-67.5°	1467.5	1563.1	1652.5	1730.4	1810.7	1892.2	1967.5	2033.3	2090.0	2134.9	2169.9
-70°	1255.8	1333.3	1413.4	1491.1	1567.5	1637.5	1702.6	1760.9	1812.7	1851.4	1882.3
-72.5°	1094.2	1159.5	1233.5	1311.8	1384.4	1454.0	1520.3	1581.9	1639.3	1676.1	1704.9
-75°	978.2	1045.6	1111.8	1177.0	1241.3	1302.6	1364.3	1427.2	1490.8	1528.2	1558.4
-77.5°	850.0	897.3	946.5	999.7	1056.4	1111.3	1165.1	1218.1	1270.1	1296.2	1316.0
-80°	651.7	689.4	726.4	763.9	801.5	840.2	879.1	917.8	955.8	973.3	986.5
-82.5°	424.8	450.7	475.3	499.0	521.7	541.0	559.1	575.9	591.4	599.0	604.2
-85°	222.5	233.9	244.7	254.8	264.3	270.3	275.4	279.7	283.3	288.0	292.1
-87.5°	85.7	88.9	92.0	95.1	98.0	99.5	100.8	101.9	102.8	104.4	105.8
-90°	6.6	6.2	5.8	5.3	4.9	4.5	4.1	3.7	3.3	3.3	3.3



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	31.7	31.3	32.1	32.9	32.1	31.3	31.7	32.1	32.5	32.9	31.7
87.5°	13.1	11.5	10.7	9.9	10.7	11.5	13.1	14.6	16.1	17.6	16.3
85°	24.1	21.3	19.7	18.1	19.7	21.3	24.1	26.8	29.4	31.9	30.3
82.5°	29.1	27.9	28.0	28.0	28.0	27.9	29.1	30.3	31.6	33.0	34.2
80°	33.6	32.9	32.9	32.9	32.9	32.9	33.6	34.3	35.1	36.0	39.2
77.5°	36.5	36.2	35.4	34.6	35.4	36.2	36.5	36.9	37.3	38.2	42.5
75°	33.5	33.0	32.9	32.9	32.9	33.0	33.5	34.1	34.7	36.1	40.7
72.5°	28.8	28.2	28.0	28.0	28.0	28.2	28.8	29.4	30.1	31.6	35.2
70°	25.0	24.8	23.9	23.0	23.9	24.8	25.0	25.2	25.6	26.7	29.0
67.5°	20.7	20.0	19.8	19.8	19.8	20.0	20.7	21.3	22.0	22.9	24.4
65°	17.3	16.7	16.5	16.5	16.5	16.7	17.3	18.0	18.7	19.8	21.1
62.5°	15.6	15.0	14.1	13.2	14.1	15.0	15.6	16.2	16.8	17.6	18.5
60°	14.0	13.4	12.5	11.5	12.5	13.4	14.0	14.6	15.2	15.9	16.7
57.5°	12.4	11.8	11.5	11.5	11.5	11.8	12.4	13.0	13.7	14.4	15.2
55°	10.8	10.2	9.9	9.9	9.9	10.2	10.8	11.4	12.2	13.2	14.0
52.5°	10.6	10.1	9.9	9.9	9.9	10.1	10.6	11.1	11.7	12.7	13.7
50°	12.0	11.6	11.5	11.5	11.5	11.6	12.0	12.4	12.8	13.5	14.1
47.5°	14.4	13.6	13.2	13.2	13.2	13.6	14.4	15.0	15.4	15.8	16.0
45°	19.0	18.4	18.0	18.1	18.0	18.4	19.0	19.4	20.7	20.9	19.4
42.5°	32.8	31.9	30.6	29.6	30.6	31.9	32.8	32.4	34.0	33.8	32.8
40°	58.1	56.9	55.0	54.3	55.0	56.9	58.1	57.9	60.6	58.4	59.3
37.5°	110.9	110.1	106.5	105.3	106.5	110.1	110.9	109.4	108.6	101.5	105.3
35°	196.2	197.7	194.3	194.2	194.3	197.7	196.2	196.5	192.0	175.4	183.1
32.5°	354.7	358.5	348.5	353.9	348.5	358.5	354.7	348.8	331.0	316.0	309.2
30°	581.0	593.9	588.2	590.9	588.2	593.9	581.0	582.2	545.9	526.1	492.9
27.5°	947.2	956.9	936.9	929.9	936.9	956.9	947.2	940.3	869.8	861.6	760.8
25°	1531.5	1537.6	1518.1	1525.7	1518.1	1537.6	1531.5	1501.1	1447.1	1384.6	1269.0
22.5°	2385.8	2362.9	2341.3	2320.6	2341.3	2362.9	2385.8	2299.8	2257.5	2116.7	2022.4
20°	3728.4	3675.7	3668.6	3629.1	3668.6	3675.7	3728.4	3627.3	3518.4	3357.9	3127.4
17.5°	6642.9	6738.5	6526.3	6115.9	6526.3	6738.5	6642.9	6306.3	6292.4	5962.4	5417.9
15°	12375.4	12824.5	13017.5	12546.3	13017.5	12824.5	12375.4	12019.9	11416.2	10621.1	9944.1
12.5°	19567.4	19883.6	20266.6	19987.1	20266.6	19883.6	19567.4	18905.3	17705.9	16545.9	15220.4
10°	26687.2	27160.5	27740.2	27479.0	27740.2	27160.5	26687.2	25716.0	24585.5	22865.8	20905.0
7.5°	33244.3	34059.9	34569.3	34241.8	34569.3	34059.9	33244.3	32315.8	30628.6	28641.6	26347.7
5°	38840.5	39485.2	39792.4	39707.6	39792.4	39485.2	38840.5	37492.1	35522.0	33258.6	30855.0
2.5°	42429.3	43110.0	43385.0	43156.5	43385.0	43110.0	42429.3	41278.5	39254.6	36607.4	33811.9
0°	44183.4	44821.2	45259.0	45293.6	45259.0	44821.2	44183.4	43247.8	41371.5	38840.2	35889.2
-2.5°	43169.8	43557.4	43766.7	43627.2	43766.7	43557.4	43169.8	42270.3	40323.0	37759.3	34901.2
-5°	40514.8	40924.7	41057.7	41220.1	41057.7	40924.7	40514.8	39505.5	37759.4	35483.9	33018.2
-7.5°	36135.1	36584.6	36916.1	36902.3	36916.1	36584.6	36135.1	35327.0	33890.5	31944.3	29700.5
-10°	31839.1	32173.2	32519.0	32460.9	32519.0	32173.2	31839.1	30958.0	29773.3	28166.6	26317.3
-12.5°	27581.6	28139.0	28274.3	28233.6	28274.3	28139.0	27581.6	26728.5	25674.6	24349.1	22876.1
-15°	23254.7	23667.6	23633.7	23524.0	23633.7	23667.6	23254.7	22415.8	21679.0	20500.7	19500.8
-17.5°	20051.1	20278.8	20365.9	20280.1	20365.9	20278.8	20051.1	19503.1	18869.9	17907.4	16926.0
-20°	17771.6	17947.5	18006.8	18046.7	18006.8	17947.5	17771.6	17354.1	16846.4	16106.8	15251.4



REPORT NUMBER: P731592 (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°	15931.3	16111.0	16163.1	16231.3	16163.1	16111.0	15931.3	15575.6	15162.5	14610.3	13878.9
-25°	14388.0	14563.7	14623.1	14690.8	14623.1	14563.7	14388.0	14089.9	13703.3	13243.5	12619.4
-27.5°	13111.2	13282.6	13354.0	13405.4	13354.0	13282.6	13111.2	12853.4	12469.0	12101.2	11581.3
-30°	12105.6	12274.4	12376.5	12409.6	12376.5	12274.4	12105.6	11876.8	11554.6	11196.3	10760.1
-32.5°	11307.8	11455.2	11551.2	11599.9	11551.2	11455.2	11307.8	11089.3	10797.4	10453.9	10052.5
-35°	10597.3	10745.3	10845.0	10895.5	10845.0	10745.3	10597.3	10386.0	10118.6	9811.2	9416.1
-37.5°	9870.6	10031.8	10137.2	10140.0	10137.2	10031.8	9870.6	9667.4	9413.7	9129.6	8776.5
-40°	9069.0	9196.7	9280.4	9313.8	9280.4	9196.7	9069.0	8899.5	8668.7	8406.8	8104.2
-42.5°	8264.9	8373.4	8441.2	8469.5	8441.2	8373.4	8264.9	8116.9	7917.1	7684.9	7427.4
-45°	7497.3	7606.7	7663.2	7654.8	7663.2	7606.7	7497.3	7358.8	7185.4	6979.8	6747.7
-47.5°	6746.2	6831.1	6877.5	6887.8	6877.5	6831.1	6746.2	6629.0	6476.5	6296.7	6095.1
-50°	6062.6	6152.5	6190.9	6180.1	6190.9	6152.5	6062.6	5951.4	5820.6	5665.2	5481.4
-52.5°	5440.9	5517.4	5550.6	5546.5	5550.6	5517.4	5440.9	5345.9	5230.6	5086.9	4925.8
-55°	4834.8	4900.9	4927.2	4922.7	4927.2	4900.9	4834.8	4750.2	4646.8	4514.8	4368.9
-57.5°	4219.7	4279.2	4296.8	4285.8	4296.8	4279.2	4219.7	4144.1	4052.9	3946.2	3829.7
-60°	3623.9	3672.8	3688.0	3681.7	3688.0	3672.8	3623.9	3561.8	3487.1	3404.4	3310.6
-62.5°	3081.0	3118.9	3134.4	3135.3	3134.4	3118.9	3081.0	3032.6	2974.1	2906.1	2826.7
-65°	2602.0	2630.0	2642.5	2644.9	2642.5	2630.0	2602.0	2565.4	2520.3	2464.1	2397.2
-67.5°	2198.2	2220.1	2227.7	2228.5	2227.7	2220.1	2198.2	2169.9	2134.9	2090.0	2033.3
-70°	1909.9	1934.3	1944.5	1950.3	1944.5	1934.3	1909.9	1882.3	1851.4	1812.7	1760.9
-72.5°	1731.9	1756.9	1768.7	1777.5	1768.7	1756.9	1731.9	1704.9	1676.1	1639.3	1581.9
-75°	1587.0	1613.7	1622.0	1626.1	1622.0	1613.7	1587.0	1558.4	1528.2	1490.8	1427.2
-77.5°	1333.2	1347.6	1352.9	1354.5	1352.9	1347.6	1333.2	1316.0	1296.2	1270.1	1218.1
-80°	996.9	1004.4	1018.7	1030.3	1018.7	1004.4	996.9	986.5	973.3	955.8	917.8
-82.5°	607.5	608.8	617.1	623.8	617.1	608.8	607.5	604.2	599.0	591.4	575.9
-85°	295.4	298.0	304.9	311.1	304.9	298.0	295.4	292.1	288.0	283.3	279.7
-87.5°	107.1	108.3	107.7	107.0	107.7	108.3	107.1	105.8	104.4	102.8	101.9
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	30.5	29.2	28.0	27.6	27.2	26.7	26.3	24.3	22.2	20.2	18.1
87.5°	14.9	13.7	12.4	12.7	12.9	13.1	13.3	12.4	11.6	10.8	10.1
85°	28.6	26.9	25.2	25.4	25.5	25.5	25.3	24.6	23.7	22.5	21.1
82.5°	35.2	35.9	36.5	39.1	41.2	42.7	43.5	43.2	42.3	41.0	38.8
80°	42.2	44.8	47.5	52.7	57.4	61.4	64.5	65.6	66.3	66.1	63.9
77.5°	46.7	50.7	55.4	63.3	70.7	77.5	83.1	85.7	87.0	87.5	85.1
75°	45.4	50.3	56.9	67.5	77.8	87.7	95.0	99.3	102.8	105.5	103.0
72.5°	39.3	43.8	51.6	64.0	76.9	88.5	98.6	107.1	114.3	120.0	116.4
70°	31.7	34.9	42.2	53.6	66.0	78.8	92.3	106.1	120.3	130.1	124.3
67.5°	26.0	27.8	33.1	41.5	51.8	63.8	77.9	94.0	109.2	124.0	122.6
65°	22.5	23.9	27.2	32.5	39.4	48.2	59.2	73.0	89.6	106.5	108.9
62.5°	19.7	21.1	23.3	26.3	30.3	35.4	43.5	54.9	68.5	80.1	86.0
60°	17.4	18.2	19.6	21.6	24.1	27.2	32.8	40.2	49.5	59.1	65.3
57.5°	16.0	16.7	17.3	18.2	19.4	21.7	25.0	29.1	36.7	42.7	47.9
55°	14.6	15.4	16.0	16.4	16.8	18.1	19.8	22.7	27.1	30.7	36.8
52.5°	14.7	15.2	15.7	16.2	16.5	16.5	16.7	18.6	21.4	25.4	28.9
50°	14.9	15.4	15.9	16.4	16.7	16.6	16.5	16.5	19.0	22.1	25.0
47.5°	16.6	16.9	16.5	16.8	18.3	17.3	17.1	18.3	20.6	20.7	23.3
45°	21.9	22.7	20.4	23.2	24.5	23.6	20.1	24.6	25.9	25.4	22.8
42.5°	36.7	36.7	34.7	40.6	42.4	39.5	35.8	39.3	37.8	34.0	38.3
40°	63.8	61.1	63.4	69.7	71.6	66.9	68.3	63.7	59.5	50.2	65.1
37.5°	106.6	102.9	109.0	111.3	111.0	113.1	112.4	102.9	89.7	97.3	109.1
35°	171.2	167.0	173.7	170.7	163.9	181.1	175.7	154.4	143.8	155.8	163.6
32.5°	283.8	279.1	268.7	255.8	263.6	271.7	260.4	229.0	233.5	233.5	225.0
30°	458.8	437.8	401.4	403.0	417.5	394.3	365.0	376.0	360.4	328.4	296.9
27.5°	745.8	666.8	608.5	644.8	628.5	573.4	582.4	566.1	513.5	454.3	411.5
25°	1197.4	1061.8	1032.6	1012.3	932.3	915.8	920.5	843.9	719.5	633.4	691.9
22.5°	1816.2	1778.3	1663.5	1487.9	1524.6	1502.7	1374.4	1199.8	1070.5	1164.2	1089.5
20°	3019.1	2882.0	2551.2	2623.5	2617.5	2240.6	1942.2	1965.8	2040.7	1877.3	1588.8
17.5°	5487.5	4813.7	4575.5	4623.6	4198.3	3428.4	3430.7	3467.3	3210.9	2734.0	2173.8
15°	9108.2	8468.4	7939.1	7282.5	6511.0	6022.4	5615.2	5234.1	4580.9	3765.0	3025.6
12.5°	14106.1	12833.4	11663.1	10632.6	9752.5	8916.3	8114.4	7255.6	6191.7	5174.0	4320.9
10°	19274.1	17407.5	15848.7	14383.9	13068.7	11888.5	10618.5	9310.9	7973.7	6705.7	5616.4
7.5°	24060.2	21947.0	19989.5	17945.1	16033.3	14438.3	12914.7	11340.9	9728.9	8221.6	6899.8
5°	28149.7	25534.8	23081.9	20745.5	18639.6	16871.7	15159.0	13337.0	11437.3	9703.5	8153.6
2.5°	30899.6	28282.0	25796.3	23282.6	20901.2	18881.5	16919.6	14834.6	12637.4	10593.4	8845.0
0°	32788.5	29870.4	27199.2	24439.1	21916.0	19934.4	17966.0	15852.7	13543.6	11300.4	9478.4
-2.5°	31897.5	29109.5	26620.5	23961.4	21468.8	19466.5	17549.2	15627.2	13362.2	11223.5	9466.4
-5°	30160.9	27427.6	24954.8	22467.1	20162.3	18326.9	16606.7	14910.7	12881.5	10979.1	9382.7
-7.5°	27395.3	25161.0	23001.6	20714.0	18580.1	16868.3	15281.4	13682.7	11896.2	10202.8	8747.2
-10°	24214.7	22329.6	20444.8	18495.2	16784.0	15310.5	13873.9	12413.1	10859.9	9378.9	8077.4
-12.5°	21113.1	19482.7	17786.4	16113.4	14804.9	13642.4	12462.4	11168.3	9793.3	8520.2	7392.2
-15°	17903.9	16900.6	15647.9	14174.7	12908.2	12026.2	11107.5	10051.8	8866.0	7706.2	6705.4
-17.5°	15980.5	14822.9	13793.4	12742.4	11653.7	10581.7	9848.1	9012.6	8047.4	7070.0	6173.3
-20°	14358.0	13441.7	12459.0	11556.0	10670.7	9764.6	8857.3	8049.1	7281.8	6485.3	5732.4



REPORT NUMBER: P731592 (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°	13056.2	12282.0	11456.8	10577.2	9780.5	9017.8	8212.3	7369.6	6559.9	5915.0	5291.5
-25°	11984.4	11271.4	10576.9	9832.6	9035.5	8293.5	7592.9	6861.7	6111.8	5398.4	4861.8
-27.5°	11055.2	10449.4	9800.3	9136.9	8430.4	7699.3	7034.7	6381.4	5717.6	5075.8	4477.5
-30°	10260.6	9726.4	9138.3	8515.2	7887.2	7222.2	6549.1	5957.5	5367.2	4779.9	4222.1
-32.5°	9572.8	9105.2	8563.0	7972.4	7384.8	6792.7	6182.3	5560.8	5028.0	4511.7	4000.1
-35°	8998.4	8545.7	8022.9	7479.3	6940.9	6393.6	5819.7	5250.9	4725.0	4244.7	3774.6
-37.5°	8384.0	7971.0	7489.1	6991.8	6507.6	6001.2	5466.0	4943.8	4441.8	3992.6	3564.3
-40°	7742.8	7354.5	6950.7	6503.9	6052.8	5600.0	5109.8	4623.8	4173.2	3743.8	3349.5
-42.5°	7102.7	6760.1	6402.7	5994.6	5581.7	5173.3	4741.7	4307.3	3894.6	3503.6	3135.8
-45°	6473.5	6162.9	5833.0	5497.2	5126.2	4752.0	4372.2	3992.3	3620.5	3260.6	2912.0
-47.5°	5862.6	5590.9	5308.5	5020.0	4681.7	4339.4	4016.6	3684.0	3340.8	3006.6	2698.5
-50°	5278.3	5050.6	4802.7	4538.2	4247.9	3949.3	3661.2	3365.4	3056.6	2764.6	2479.5
-52.5°	4748.2	4536.4	4308.5	4068.2	3832.1	3576.9	3309.3	3052.2	2785.8	2518.0	2261.4
-55°	4210.3	4033.9	3844.1	3649.7	3448.7	3210.0	2973.5	2742.0	2507.2	2263.4	2048.1
-57.5°	3705.4	3562.5	3395.1	3220.7	3040.4	2841.0	2634.7	2425.4	2229.9	2029.4	1835.3
-60°	3204.8	3083.1	2943.8	2798.5	2648.1	2479.6	2307.6	2135.2	1962.9	1800.7	1636.4
-62.5°	2735.2	2631.4	2517.8	2404.1	2282.6	2148.4	2000.6	1860.8	1721.7	1580.6	1445.1
-65°	2322.0	2238.7	2143.0	2048.6	1948.0	1840.6	1718.4	1603.7	1492.1	1377.9	1259.4
-67.5°	1967.5	1892.2	1810.7	1730.4	1652.5	1563.1	1467.5	1369.8	1278.9	1185.0	1085.7
-70°	1702.6	1637.5	1567.5	1491.1	1413.4	1333.3	1255.8	1177.1	1091.9	1013.2	938.0
-72.5°	1520.3	1454.0	1384.4	1311.8	1233.5	1159.5	1094.2	1031.1	962.2	887.4	815.8
-75°	1364.3	1302.6	1241.3	1177.0	1111.8	1045.6	978.2	913.7	851.0	790.4	729.5
-77.5°	1165.1	1111.3	1056.4	999.7	946.5	897.3	850.0	793.5	732.2	674.5	617.6
-80°	879.1	840.2	801.5	763.9	726.4	689.4	651.7	608.0	566.7	524.8	479.3
-82.5°	559.1	541.0	521.7	499.0	475.3	450.7	424.8	394.4	364.3	334.7	305.2
-85°	275.4	270.3	264.3	254.8	244.7	233.9	222.5	209.4	195.9	182.2	168.2
-87.5°	100.8	99.5	98.0	95.1	92.0	88.9	85.7	82.1	78.3	74.5	70.5
-90°	4.1	4.5	4.9	5.3	5.8	6.2	6.6	6.6	6.6	6.6	6.6



REPORT NUMBER: P731592 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	16.9	15.7	14.4	13.2	12.8	12.4	11.9	11.5	11.1	10.7	10.3
87.5°	11.0	11.9	12.6	13.2	12.3	11.5	10.8	10.1	10.2	10.3	10.2
85°	20.6	20.2	20.2	20.2	18.5	16.4	14.9	13.6	13.9	13.9	13.8
82.5°	34.9	32.3	30.3	28.8	27.8	26.3	24.1	21.3	19.0	17.7	17.4
80°	57.3	51.1	45.4	40.5	37.7	36.3	34.5	31.4	26.5	22.9	20.8
77.5°	76.9	69.2	62.1	54.7	48.5	44.0	41.3	39.5	33.6	27.9	23.8
75°	94.0	84.4	75.2	66.3	57.9	51.2	45.8	41.8	37.0	32.2	26.7
72.5°	105.8	95.8	86.4	76.3	65.3	56.3	49.3	44.1	38.8	33.8	29.0
70°	114.1	104.8	94.6	83.1	71.5	60.7	51.7	45.7	40.6	35.3	30.2
67.5°	119.3	108.6	99.0	88.6	76.7	64.8	53.8	47.1	41.9	36.6	31.3
65°	106.6	104.3	101.1	90.0	79.4	68.6	56.8	49.0	43.1	37.7	32.3
62.5°	90.5	92.4	90.7	88.0	79.9	69.6	59.8	51.8	44.4	38.7	33.2
60°	70.6	75.8	79.2	78.5	76.0	69.3	60.7	54.4	46.6	39.6	34.0
57.5°	54.7	59.8	65.3	68.5	67.9	65.4	61.0	55.3	48.5	41.0	34.8
55°	41.4	47.5	53.2	57.8	59.8	58.6	59.6	55.5	49.8	42.3	35.9
52.5°	33.3	38.2	43.5	48.7	52.0	53.1	55.4	55.6	49.9	43.5	37.4
50°	28.2	33.7	37.3	41.2	45.2	48.6	51.8	52.8	49.8	44.1	39.0
47.5°	28.2	33.6	35.8	36.2	39.5	44.6	48.4	50.1	49.7	44.0	40.5
45°	34.1	38.0	38.1	37.0	36.4	42.3	45.4	47.8	47.7	45.0	42.1
42.5°	45.9	48.9	45.5	39.3	43.2	41.5	42.8	45.6	46.0	46.2	43.5
40°	70.6	66.3	57.4	56.5	56.9	42.5	43.1	43.6	44.9	47.4	44.6
37.5°	102.7	93.5	78.3	83.5	77.6	59.8	44.8	42.0	46.0	48.2	45.9
35°	153.8	129.9	121.2	120.4	107.9	81.3	47.6	42.2	48.0	49.5	47.3
32.5°	214.9	193.6	184.5	165.0	143.8	107.1	62.2	50.6	51.2	51.2	48.8
30°	294.7	304.0	261.3	214.4	185.4	141.1	93.1	61.0	55.3	53.2	50.3
27.5°	453.6	438.7	355.8	284.1	231.9	183.3	145.9	73.3	60.5	56.0	51.9
25°	662.8	601.6	486.5	367.3	281.3	310.7	212.3	88.7	69.2	60.0	53.6
22.5°	945.1	794.4	633.5	457.9	473.8	472.3	304.1	139.2	80.3	64.5	55.5
20°	1273.7	1013.6	853.3	792.0	714.8	645.1	427.7	196.7	92.3	69.4	57.6
17.5°	1657.8	1492.1	1404.6	1200.3	993.6	833.8	569.8	259.9	104.9	74.8	59.7
15°	2582.2	2295.2	2018.2	1650.7	1295.1	1035.3	726.3	327.1	117.9	80.4	65.7
12.5°	3646.7	3134.9	2679.4	2133.4	1613.7	1246.4	892.6	396.6	131.2	93.3	76.9
10°	4732.1	3999.6	3374.2	2637.8	1943.1	1463.2	1063.9	474.2	162.5	112.1	88.4
7.5°	5823.6	4876.5	4087.3	3151.9	2267.8	1675.4	1245.5	566.6	196.9	131.2	100.2
5°	6818.1	5616.6	4666.0	3565.4	2538.5	1875.6	1421.4	655.4	231.4	150.4	112.0
2.5°	7409.0	6122.5	5135.7	3943.8	2794.9	2067.3	1585.5	738.3	265.3	169.3	123.6
0°	7951.1	6593.2	5569.5	4292.4	3033.3	2248.2	1733.1	813.0	297.9	187.6	135.0
-2.5°	7908.3	6601.8	5558.7	4344.3	3140.7	2342.6	1797.1	904.5	388.4	253.2	178.2
-5°	7817.1	6571.0	5512.0	4363.1	3225.3	2422.4	1842.3	985.7	475.8	317.1	220.4
-7.5°	7413.7	6329.7	5359.8	4331.0	3286.4	2485.7	1870.9	1056.7	559.0	378.4	260.9
-10°	6919.3	5953.3	5064.1	4122.5	3194.7	2478.9	1877.0	1117.7	636.9	436.1	299.1
-12.5°	6408.3	5562.4	4758.0	3899.2	3065.4	2410.3	1818.6	1142.6	705.6	489.4	334.4
-15°	5889.3	5163.6	4448.9	3666.3	2926.4	2332.6	1755.4	1148.0	747.4	532.9	366.4
-17.5°	5398.2	4763.0	4143.7	3429.2	2780.6	2247.2	1690.4	1148.1	783.8	566.2	394.1
-20°	5051.4	4431.9	3847.2	3192.5	2630.7	2155.4	1626.6	1144.0	814.5	595.5	418.1



REPORT NUMBER: P731592 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4706.4	4153.1	3592.5	2994.0	2492.0	2058.3	1566.6	1136.5	839.4	620.5	438.7
-25°	4358.8	3870.7	3353.3	2836.5	2371.0	1965.1	1526.5	1126.4	858.1	641.2	455.7
-27.5°	4033.8	3592.1	3124.4	2678.3	2264.7	1885.7	1501.5	1141.9	873.5	657.4	468.8
-30°	3720.9	3340.6	2934.9	2528.8	2154.0	1806.8	1477.0	1150.9	888.9	670.2	478.0
-32.5°	3507.2	3110.1	2758.8	2399.9	2053.1	1723.9	1430.3	1152.2	898.3	678.8	486.2
-35°	3340.8	2938.2	2590.7	2269.0	1954.1	1650.8	1372.5	1145.5	901.7	681.9	491.5
-37.5°	3158.8	2788.8	2446.5	2145.1	1851.5	1571.2	1321.9	1108.0	899.1	679.5	493.0
-40°	2981.1	2632.5	2312.7	2029.7	1754.3	1485.4	1265.9	1068.8	890.7	671.5	490.7
-42.5°	2789.3	2472.7	2180.3	1911.2	1654.3	1417.3	1205.8	1024.2	854.6	662.6	484.4
-45°	2600.9	2307.3	2041.3	1792.4	1552.5	1343.9	1150.0	974.4	811.4	650.7	475.0
-47.5°	2404.2	2144.0	1898.8	1665.6	1464.9	1267.4	1088.0	921.5	764.6	633.4	462.5
-50°	2214.7	1977.0	1752.9	1549.0	1365.3	1191.4	1021.1	864.3	721.3	595.9	445.9
-52.5°	2027.0	1810.9	1611.8	1429.8	1266.2	1108.9	952.3	803.7	674.1	556.2	425.3
-55°	1839.3	1648.3	1470.9	1312.3	1163.5	1023.6	879.0	745.0	623.2	514.3	401.0
-57.5°	1658.4	1484.5	1335.9	1194.5	1059.5	932.1	804.9	682.1	571.3	470.0	375.3
-60°	1478.4	1336.8	1202.3	1074.5	952.5	839.3	728.3	617.0	517.4	424.5	341.0
-62.5°	1313.4	1186.9	1065.7	950.9	846.4	746.7	648.7	552.4	461.0	381.4	303.4
-65°	1148.6	1036.6	925.5	833.5	742.0	655.0	572.0	485.0	409.3	337.1	267.0
-67.5°	985.3	897.3	802.0	717.2	645.8	572.6	493.9	424.3	358.1	291.7	235.1
-70°	858.2	771.9	690.8	624.0	559.4	492.2	429.2	366.1	305.8	255.1	202.7
-72.5°	749.9	679.1	603.2	535.5	483.9	427.7	366.9	309.8	264.9	218.2	169.7
-75°	662.4	591.1	524.8	468.5	417.7	362.9	309.8	265.3	223.8	180.8	140.2
-77.5°	556.8	500.4	448.9	393.0	340.9	294.8	254.9	220.2	181.3	144.1	111.3
-80°	427.4	378.6	333.1	291.6	255.5	224.1	195.7	166.9	135.1	106.6	81.5
-82.5°	272.1	245.1	220.6	197.4	175.3	153.4	131.7	110.2	88.0	68.3	56.4
-85°	153.2	138.8	125.1	112.2	97.0	82.1	72.9	64.2	56.0	48.3	41.1
-87.5°	67.5	64.3	61.0	57.5	52.3	47.3	42.5	37.9	33.6	29.5	25.7
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.9	9.5	9.1	8.6	8.2	7.4	6.6
87.5°	10.0	9.2	8.5	7.8	7.3	6.9	6.6
85°	13.4	11.8	10.3	9.1	8.0	7.2	6.6
82.5°	16.8	14.3	12.1	10.3	8.7	7.5	6.6
80°	19.9	16.8	13.9	11.5	9.4	7.7	6.6
77.5°	21.4	18.7	15.7	12.7	10.1	8.0	6.6
75°	22.8	19.5	17.2	13.8	10.8	8.3	6.6
72.5°	24.2	20.2	17.5	14.9	11.4	8.5	6.6
70°	25.3	20.9	17.7	15.8	12.1	8.8	6.6
67.5°	26.3	21.4	17.9	15.8	12.7	9.1	6.6
65°	27.3	22.1	18.0	15.7	13.3	9.3	6.6
62.5°	28.3	23.1	18.0	15.5	13.8	9.5	6.6
60°	29.2	24.0	18.0	15.4	14.4	9.8	6.6
57.5°	30.3	24.8	18.7	15.2	14.2	10.0	6.6
55°	31.5	25.7	19.5	14.9	14.1	10.2	6.6
52.5°	32.6	26.6	20.2	14.6	14.0	10.4	6.6
50°	33.9	27.7	20.9	14.3	13.9	10.6	6.6
47.5°	35.2	28.8	21.5	14.1	13.8	10.7	6.6
45°	36.5	29.9	22.1	14.6	13.8	10.9	6.6
42.5°	37.9	31.1	22.7	15.0	13.7	11.0	6.6
40°	39.3	32.2	23.5	15.7	13.7	11.2	6.6
37.5°	40.6	33.3	24.3	16.6	13.7	11.3	6.6
35°	41.9	34.4	25.1	17.5	13.7	11.4	6.6
32.5°	43.1	35.4	25.9	18.3	13.7	11.5	6.6
30°	44.3	36.4	26.7	19.2	13.8	11.6	6.6
27.5°	45.4	37.3	28.4	20.1	13.8	11.6	6.6
25°	46.6	38.2	30.1	21.0	13.9	11.7	6.6
22.5°	47.8	39.6	31.9	21.8	14.0	11.7	6.6
20°	48.9	42.7	33.7	22.7	14.1	11.7	6.6
17.5°	53.2	46.0	35.5	23.5	14.1	11.7	6.6
15°	59.6	49.3	37.2	24.3	14.2	11.7	6.6
12.5°	66.2	52.7	38.9	25.0	14.3	11.7	6.6
10°	73.1	56.2	40.5	25.7	14.4	11.7	6.6
7.5°	80.1	59.6	42.1	26.4	14.5	11.7	6.6
5°	87.0	62.9	43.5	27.0	14.6	11.6	6.6
2.5°	93.8	66.1	44.9	27.5	14.7	11.6	6.6
0°	100.4	69.1	46.1	28.0	14.8	11.5	6.6
-2.5°	126.6	84.1	53.9	31.4	15.9	11.7	6.6
-5°	152.1	98.7	61.4	34.7	17.1	12.0	6.6
-7.5°	176.6	112.7	68.6	37.9	18.2	12.2	6.6
-10°	199.7	125.9	75.4	40.9	19.2	12.4	6.6
-12.5°	221.1	138.2	81.7	43.6	20.2	12.6	6.6
-15°	240.5	149.4	87.5	46.1	21.1	12.8	6.6
-17.5°	257.6	159.3	92.6	48.3	22.0	12.9	6.6
-20°	273.6	167.9	97.0	50.3	22.8	13.1	6.6



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	289.9	174.8	100.6	51.8	23.5	13.2	6.6
-25°	303.7	183.8	103.3	53.0	24.1	13.3	6.6
-27.5°	314.9	192.4	105.2	53.9	24.7	13.3	6.6
-30°	323.5	199.2	106.5	54.3	25.1	13.4	6.6
-32.5°	329.4	203.9	109.9	54.3	25.4	13.4	6.6
-35°	334.0	206.6	112.1	53.9	25.6	13.4	6.6
-37.5°	336.2	207.9	113.0	53.0	25.7	13.4	6.6
-40°	335.4	208.3	112.5	51.7	25.7	13.3	6.6
-42.5°	331.5	206.6	111.7	50.4	25.6	13.2	6.6
-45°	324.4	202.7	110.7	49.5	25.3	13.1	6.6
-47.5°	314.3	196.7	108.5	48.1	25.0	13.0	6.6
-50°	303.2	188.7	105.1	47.6	24.5	12.8	6.6
-52.5°	289.5	178.5	100.6	47.1	23.9	12.6	6.6
-55°	272.8	169.4	95.0	46.1	23.2	12.4	6.6
-57.5°	253.4	159.3	88.3	44.7	22.4	12.2	6.6
-60°	231.9	147.5	80.8	42.7	21.5	11.9	6.6
-62.5°	212.9	134.1	75.9	40.4	20.6	11.6	6.6
-65°	191.8	119.4	70.1	37.6	19.8	11.3	6.6
-67.5°	168.8	105.9	63.7	34.4	18.8	11.0	6.6
-70°	144.0	94.1	56.6	30.9	17.8	10.6	6.6
-72.5°	123.9	81.3	48.9	28.3	16.7	10.3	6.6
-75°	103.4	67.6	40.7	25.8	15.6	9.9	6.6
-77.5°	81.9	53.3	35.3	23.1	14.5	9.5	6.6
-80°	59.6	42.9	30.3	20.4	13.3	9.1	6.6
-82.5°	46.5	34.8	25.1	17.5	12.0	8.7	6.6
-85°	34.5	26.5	19.8	14.6	10.8	8.3	6.6
-87.5°	22.2	18.0	14.5	11.6	9.5	7.8	6.6
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6

(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

