

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: P731239 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-7F-HEG**

Issue Date: 11/16/2023

Test Information

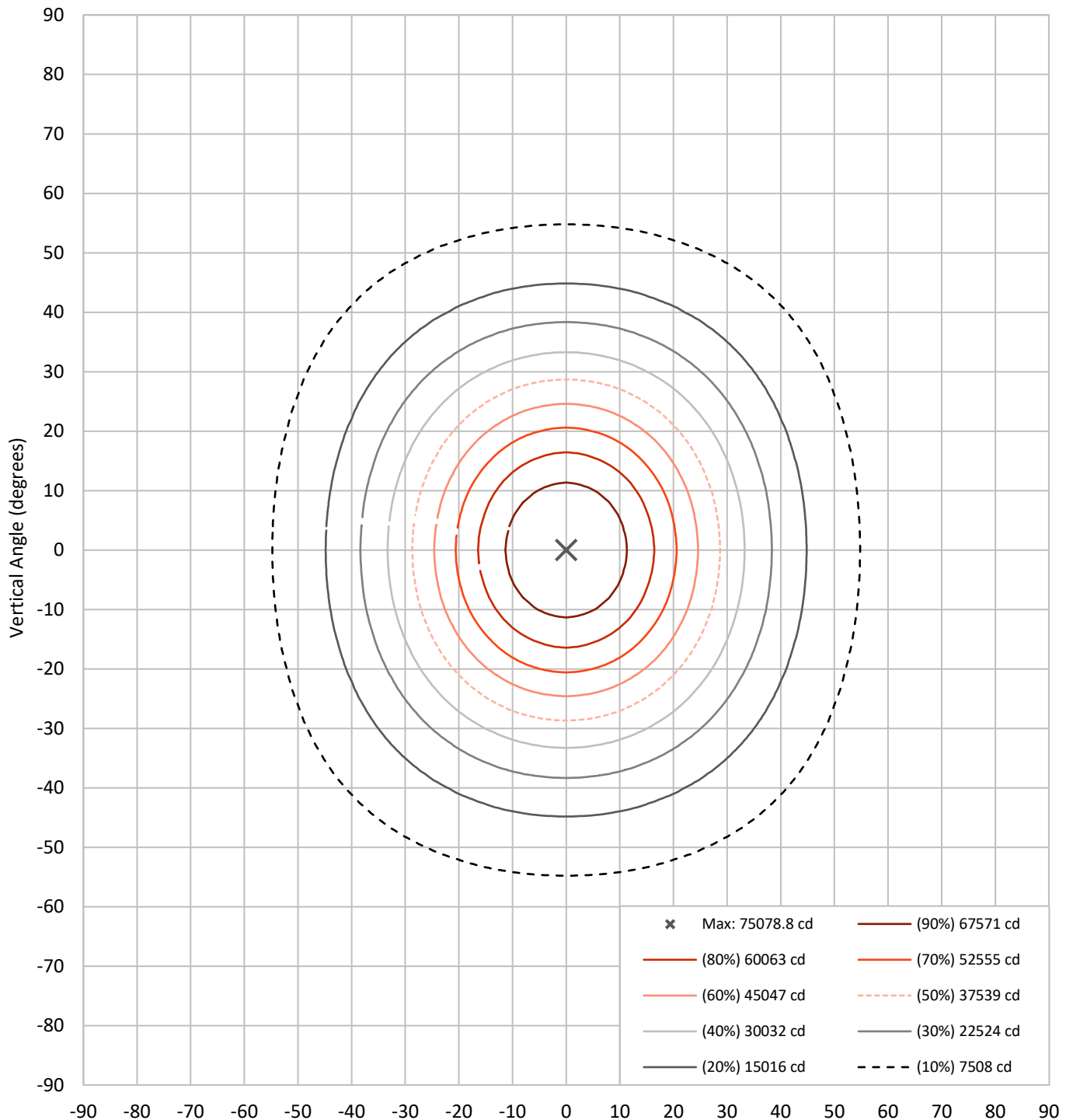
Test Method: LM-79-08
Report Number: P731239 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0530N-40-70-7F-HEG
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 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:	84711.8 lumens	Max Intensity:	75078.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.3 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:	41720.5 lumens	Field Lumens:	76851.8 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
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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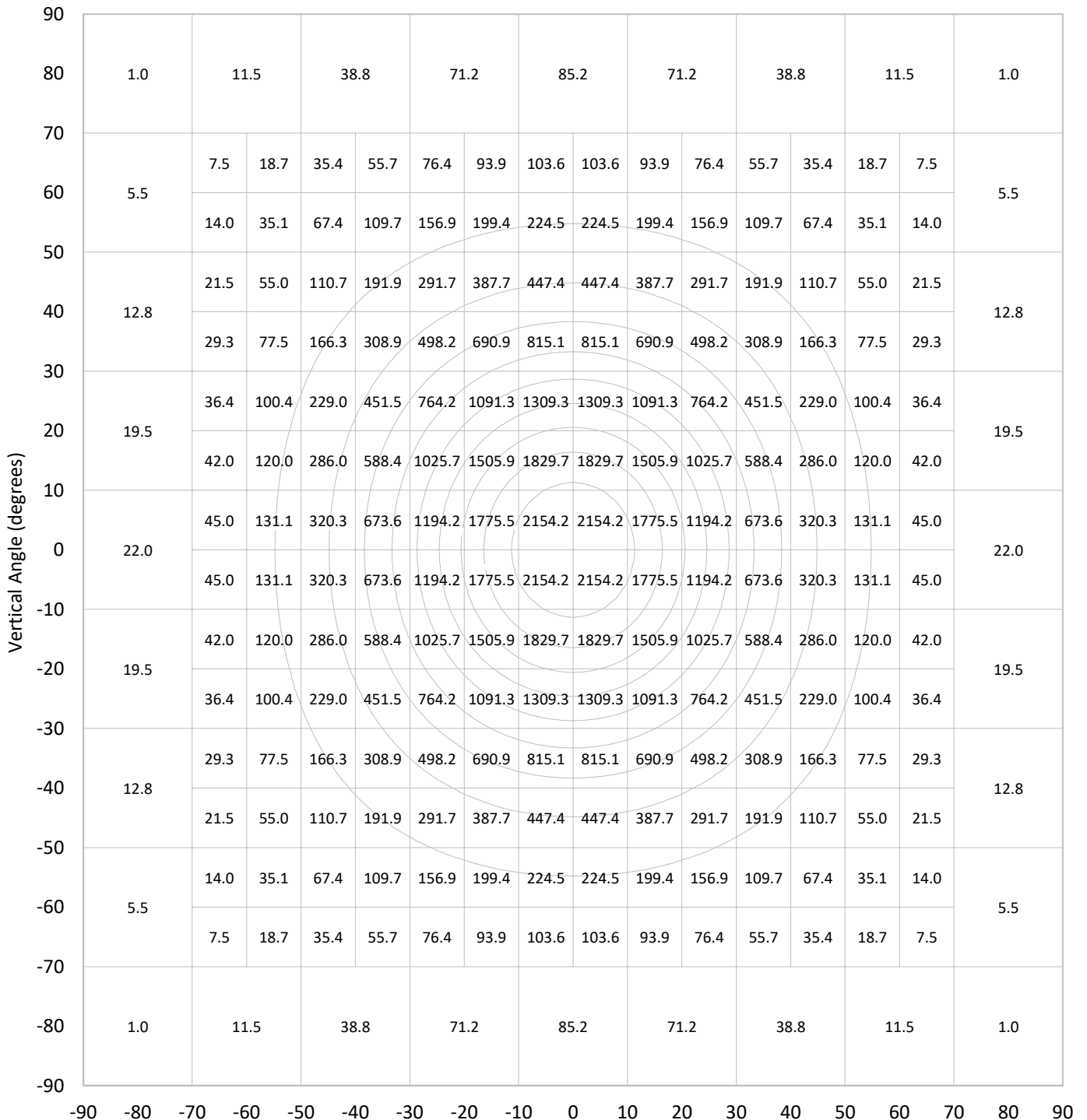
Iso-Candela Plot





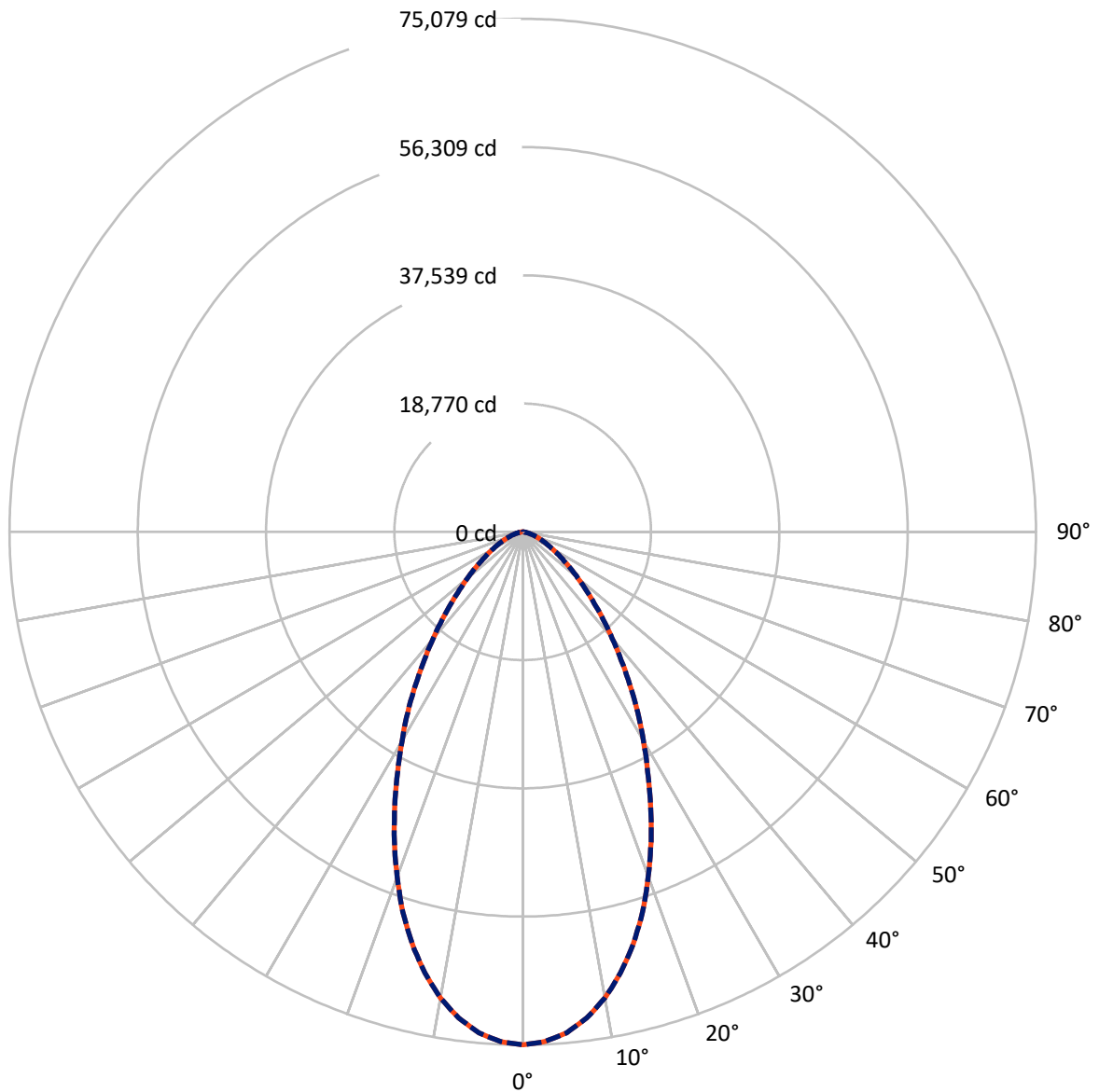
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Lumen Table



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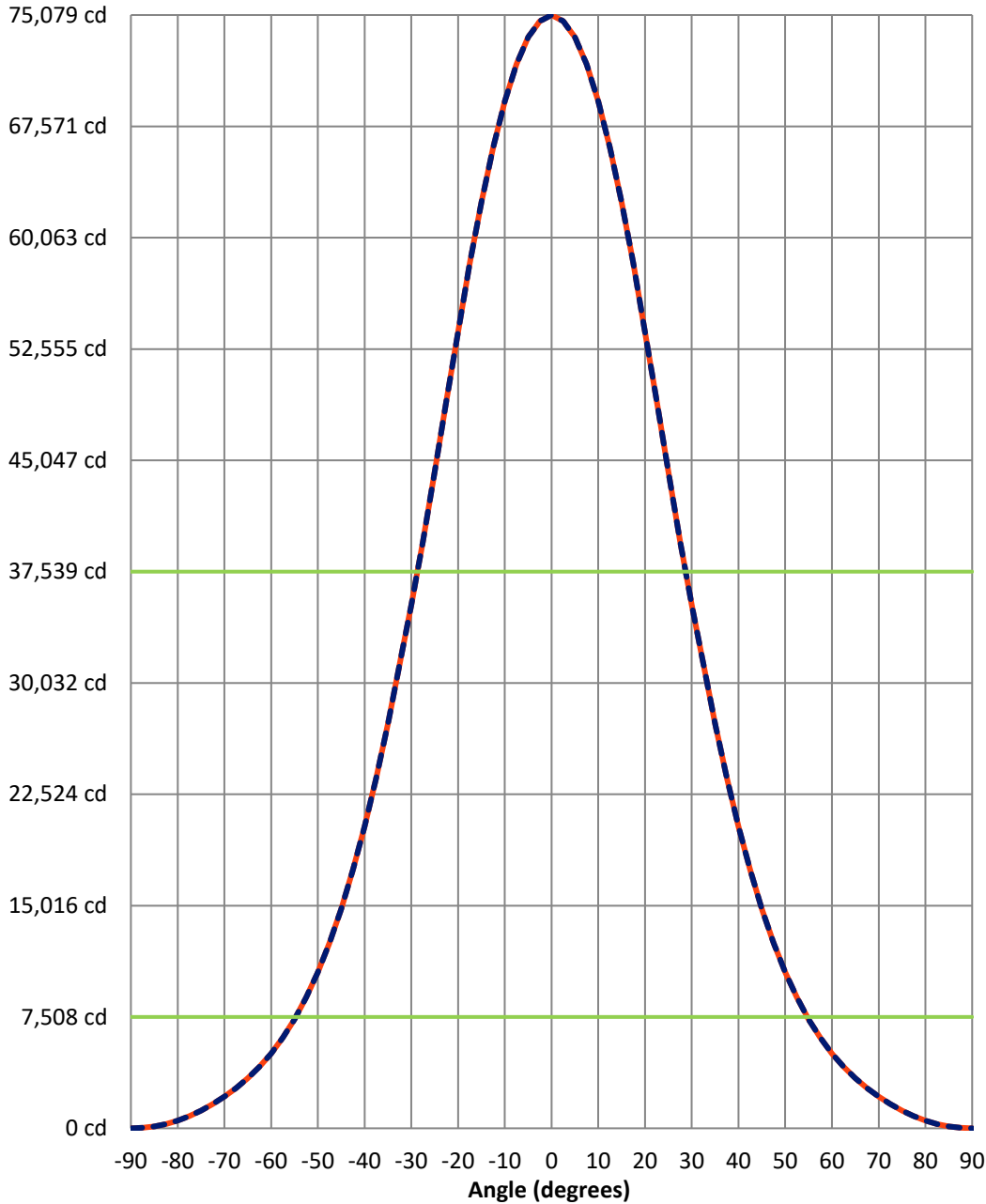
Luminous Intensity Polar Plot



— 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: 41720.5
Efficiency: 49.2%

Field:
H Angle: 109.4°
V Angle: 109.4°
Lumens: 76851.8
Efficiency: 90.7%

Spill:
Lumens: 7860
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	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.1
85°	0.0	3.3	6.7	10.0	13.3	16.5	19.8	22.9	26.1	29.2	32.3
82.5°	0.0	5.0	10.0	14.9	19.8	24.7	29.6	34.4	40.2	50.8	61.2
80°	0.0	6.6	13.3	19.8	26.4	32.9	40.8	55.4	69.7	83.8	97.7
77.5°	0.0	8.3	16.5	24.7	32.9	44.6	63.0	81.1	98.9	116.5	141.0
75°	0.0	9.9	19.8	29.6	40.8	63.0	84.9	106.5	130.2	168.7	206.5
72.5°	0.0	11.5	22.9	34.4	55.4	81.1	106.5	137.1	182.6	227.3	271.4
70°	0.0	13.1	26.1	40.2	69.7	98.9	130.2	182.6	234.3	286.0	360.3
67.5°	0.0	14.6	29.2	50.8	83.8	116.5	168.7	227.3	286.0	370.6	454.0
65°	0.0	16.1	32.3	61.2	97.7	141.0	206.5	271.4	360.3	454.0	554.0
62.5°	0.0	17.6	35.2	71.4	111.2	171.9	243.6	329.3	433.2	540.6	670.7
60°	0.0	19.1	38.2	81.4	124.5	202.2	279.9	391.9	504.7	643.8	785.1
57.5°	0.0	20.5	44.6	91.1	147.7	231.8	330.4	453.1	590.4	744.8	913.8
55°	0.0	21.9	50.9	100.6	170.7	260.6	381.5	512.7	678.0	848.0	1047.4
52.5°	0.0	23.3	57.0	109.8	193.0	290.7	431.2	585.4	763.1	965.1	1177.5
50°	0.0	24.5	63.0	118.7	214.7	330.8	479.3	657.6	851.1	1078.7	1326.1
47.5°	0.0	25.8	68.7	129.0	235.5	369.4	527.6	727.3	948.6	1188.5	1472.6
45°	0.0	27.0	74.2	144.0	255.6	406.6	585.1	794.5	1042.5	1315.0	1613.9
42.5°	0.0	28.2	79.4	158.4	274.8	442.2	640.1	867.2	1132.7	1436.9	1765.8
40°	0.0	29.3	84.4	172.1	297.6	476.2	692.8	942.4	1224.5	1553.5	1913.8
37.5°	0.0	30.3	89.2	185.2	323.4	508.5	742.8	1013.9	1322.8	1668.9	2055.0
35°	0.0	31.3	93.7	197.5	347.7	544.8	790.1	1081.6	1416.0	1788.7	2195.9
32.5°	0.0	32.2	97.9	209.1	370.7	581.7	837.5	1145.4	1503.7	1901.7	2339.4
30°	0.0	33.1	101.8	219.9	392.1	616.3	888.4	1207.8	1585.9	2007.5	2474.1
27.5°	0.0	33.9	105.5	229.9	411.9	648.4	935.6	1274.2	1666.1	2106.0	2599.4
25°	0.0	34.6	108.9	239.1	430.2	677.9	979.1	1335.4	1746.2	2204.8	2715.8
22.5°	0.0	35.3	111.9	247.6	446.9	704.8	1018.7	1391.1	1819.3	2299.0	2839.0
20°	0.0	35.9	114.7	255.1	461.9	729.0	1054.4	1441.4	1885.1	2384.0	2950.2
17.5°	0.0	36.4	117.1	261.8	475.2	750.5	1086.2	1486.0	1943.7	2459.6	3049.1
15°	0.0	36.9	119.3	267.7	486.7	769.2	1113.8	1525.0	1994.7	2525.5	3135.4
12.5°	0.0	37.3	121.1	272.6	496.6	785.1	1137.3	1558.0	2038.1	2581.6	3208.9
10°	0.0	37.6	122.5	276.7	504.7	798.2	1156.5	1585.2	2073.8	2627.7	3269.3
7.5°	0.0	37.9	123.7	279.9	511.0	808.4	1171.6	1606.4	2101.7	2663.7	3316.5
5°	0.0	38.1	124.5	282.2	515.5	815.7	1182.4	1621.6	2121.6	2689.5	3350.4
2.5°	0.0	38.2	125.0	283.5	518.2	820.0	1188.8	1630.8	2133.6	2705.0	3370.7
0°	0.0	38.2	125.2	284.0	519.1	821.5	1191.0	1633.8	2137.6	2710.2	3377.5
-2.5°	0.0	38.2	125.0	283.5	518.2	820.0	1188.8	1630.8	2133.6	2705.0	3370.7
-5°	0.0	38.1	124.5	282.2	515.5	815.7	1182.4	1621.6	2121.6	2689.5	3350.4
-7.5°	0.0	37.9	123.7	279.9	511.0	808.4	1171.6	1606.4	2101.7	2663.7	3316.5
-10°	0.0	37.6	122.5	276.7	504.7	798.2	1156.5	1585.2	2073.8	2627.7	3269.3
-12.5°	0.0	37.3	121.1	272.6	496.6	785.1	1137.3	1558.0	2038.1	2581.6	3208.9
-15°	0.0	36.9	119.3	267.7	486.7	769.2	1113.8	1525.0	1994.7	2525.5	3135.4
-17.5°	0.0	36.4	117.1	261.8	475.2	750.5	1086.2	1486.0	1943.7	2459.6	3049.1
-20°	0.0	35.9	114.7	255.1	461.9	729.0	1054.4	1441.4	1885.1	2384.0	2950.2



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	35.3	111.9	247.6	446.9	704.8	1018.7	1391.1	1819.3	2299.0	2839.0
-25°	0.0	34.6	108.9	239.1	430.2	677.9	979.1	1335.4	1746.2	2204.8	2715.8
-27.5°	0.0	33.9	105.5	229.9	411.9	648.4	935.6	1274.2	1666.1	2106.0	2599.4
-30°	0.0	33.1	101.8	219.9	392.1	616.3	888.4	1207.8	1585.9	2007.5	2474.1
-32.5°	0.0	32.2	97.9	209.1	370.7	581.7	837.5	1145.4	1503.7	1901.7	2339.4
-35°	0.0	31.3	93.7	197.5	347.7	544.8	790.1	1081.6	1416.0	1788.7	2195.9
-37.5°	0.0	30.3	89.2	185.2	323.4	508.5	742.8	1013.9	1322.8	1668.9	2055.0
-40°	0.0	29.3	84.4	172.1	297.6	476.2	692.8	942.4	1224.5	1553.5	1913.8
-42.5°	0.0	28.2	79.4	158.4	274.8	442.2	640.1	867.2	1132.7	1436.9	1765.8
-45°	0.0	27.0	74.2	144.0	255.6	406.6	585.1	794.5	1042.5	1315.0	1613.9
-47.5°	0.0	25.8	68.7	129.0	235.5	369.4	527.6	727.3	948.6	1188.5	1472.6
-50°	0.0	24.5	63.0	118.7	214.7	330.8	479.3	657.6	851.1	1078.7	1326.1
-52.5°	0.0	23.3	57.0	109.8	193.0	290.7	431.2	585.4	763.1	965.1	1177.5
-55°	0.0	21.9	50.9	100.6	170.7	260.6	381.5	512.7	678.0	848.0	1047.4
-57.5°	0.0	20.5	44.6	91.1	147.7	231.8	330.4	453.1	590.4	744.8	913.8
-60°	0.0	19.1	38.2	81.4	124.5	202.2	279.9	391.9	504.7	643.8	785.1
-62.5°	0.0	17.6	35.2	71.4	111.2	171.9	243.6	329.3	433.2	540.6	670.7
-65°	0.0	16.1	32.3	61.2	97.7	141.0	206.5	271.4	360.3	454.0	554.0
-67.5°	0.0	14.6	29.2	50.8	83.8	116.5	168.7	227.3	286.0	370.6	454.0
-70°	0.0	13.1	26.1	40.2	69.7	98.9	130.2	182.6	234.3	286.0	360.3
-72.5°	0.0	11.5	22.9	34.4	55.4	81.1	106.5	137.1	182.6	227.3	271.4
-75°	0.0	9.9	19.8	29.6	40.8	63.0	84.9	106.5	130.2	168.7	206.5
-77.5°	0.0	8.3	16.5	24.7	32.9	44.6	63.0	81.1	98.9	116.5	141.0
-80°	0.0	6.6	13.3	19.8	26.4	32.9	40.8	55.4	69.7	83.8	97.7
-82.5°	0.0	5.0	10.0	14.9	19.8	24.7	29.6	34.4	40.2	50.8	61.2
-85°	0.0	3.3	6.7	10.0	13.3	16.5	19.8	22.9	26.1	29.2	32.3
-87.5°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.1
-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°	17.6	19.1	20.5	21.9	23.3	24.5	25.8	27.0	28.2	29.3	30.3
85°	35.2	38.2	44.6	50.9	57.0	63.0	68.7	74.2	79.4	84.4	89.2
82.5°	71.4	81.4	91.1	100.6	109.8	118.7	129.0	144.0	158.4	172.1	185.2
80°	111.2	124.5	147.7	170.7	193.0	214.7	235.5	255.6	274.8	297.6	323.4
77.5°	171.9	202.2	231.8	260.6	290.7	330.8	369.4	406.6	442.2	476.2	508.5
75°	243.6	279.9	330.4	381.5	431.2	479.3	527.6	585.1	640.1	692.8	742.8
72.5°	329.3	391.9	453.1	512.7	585.4	657.6	727.3	794.5	867.2	942.4	1013.9
70°	433.2	504.7	590.4	678.0	763.1	851.1	948.6	1042.5	1132.7	1224.5	1322.8
67.5°	540.6	643.8	744.8	848.0	965.1	1078.7	1188.5	1315.0	1436.9	1553.5	1668.9
65°	670.7	785.1	913.8	1047.4	1177.5	1326.1	1472.6	1613.9	1765.8	1913.8	2055.0
62.5°	798.6	946.9	1097.1	1254.4	1425.8	1592.3	1770.2	1947.5	2118.2	2301.4	2478.7
60°	946.9	1113.8	1294.4	1486.0	1678.3	1885.1	2085.7	2299.0	2511.3	2715.8	2942.6
57.5°	1097.1	1294.4	1506.2	1724.4	1954.6	2184.4	2431.7	2671.1	2933.6	3192.0	3448.7
55°	1254.4	1486.0	1724.4	1977.9	2237.6	2512.0	2790.1	3091.2	3382.7	3705.9	4015.4
52.5°	1425.8	1678.3	1954.6	2237.6	2538.9	2853.2	3186.6	3530.7	3892.1	4253.9	4638.0
50°	1592.3	1885.1	2184.4	2512.0	2853.2	3218.5	3605.2	4004.9	4428.4	4857.8	5320.7
47.5°	1770.2	2085.7	2431.7	2790.1	3186.6	3605.2	4042.6	4516.3	4991.1	5538.8	6075.1
45°	1947.5	2299.0	2671.1	3091.2	3530.7	4004.9	4516.3	5035.7	5648.8	6260.3	6913.1
42.5°	2118.2	2511.3	2933.6	3382.7	3892.1	4428.4	4991.1	5648.8	6324.1	7042.8	7817.7
40°	2301.4	2715.8	3192.0	3705.9	4253.9	4857.8	5538.8	6260.3	7042.8	7897.6	8784.9
37.5°	2478.7	2942.6	3448.7	4015.4	4638.0	5320.7	6075.1	6913.1	7817.7	8784.9	9850.8
35°	2647.2	3158.1	3720.5	4334.6	5004.4	5799.8	6655.8	7579.6	8622.4	9755.7	10948.2
32.5°	2822.1	3361.9	3977.8	4656.2	5420.4	6275.2	7214.0	8300.2	9472.2	10720.8	12113.9
30°	2996.1	3580.7	4230.4	4959.1	5819.0	6766.3	7824.3	9005.8	10307.8	11766.0	13329.7
27.5°	3158.1	3787.0	4490.3	5286.6	6203.4	7226.8	8422.8	9740.9	11194.3	12789.2	14536.9
25°	3307.9	3977.8	4730.9	5605.4	6598.8	7718.9	9001.8	10427.0	12058.3	13849.0	15816.0
22.5°	3455.2	4153.0	4951.3	5898.0	6962.1	8194.0	9589.1	11152.7	12907.6	14840.1	17044.0
20°	3598.2	4334.6	5175.6	6170.1	7291.7	8625.8	10123.6	11829.9	13743.6	15887.8	18251.0
17.5°	3725.4	4496.5	5391.8	6440.3	7636.3	9038.5	10616.2	12438.2	14495.9	16833.1	19379.8
15°	3836.5	4638.0	5581.0	6676.9	7947.8	9426.2	11109.9	13039.9	15220.4	17694.3	20384.3
12.5°	3931.2	4758.5	5742.4	6878.9	8214.0	9757.9	11532.9	13565.5	15883.9	18490.4	21358.9
10°	4009.1	4857.8	5875.3	7045.4	8433.7	10031.9	11882.6	14000.7	16434.1	19152.0	22170.5
7.5°	4070.0	4935.4	5979.3	7175.7	8605.8	10246.6	12157.0	14342.5	16866.8	19673.1	22811.0
5°	4113.6	4991.1	6053.9	7269.2	8729.3	10400.9	12354.3	14588.5	17178.5	20049.0	23273.7
2.5°	4139.8	5024.5	6098.7	7325.5	8803.7	10493.9	12473.2	14736.8	17366.6	20276.0	23553.4
0°	4148.6	5035.7	6113.7	7344.3	8828.5	10524.9	12512.9	14786.4	17429.5	20351.9	23647.0
-2.5°	4139.8	5024.5	6098.7	7325.5	8803.7	10493.9	12473.2	14736.8	17366.6	20276.0	23553.4
-5°	4113.6	4991.1	6053.9	7269.2	8729.3	10400.9	12354.3	14588.5	17178.5	20049.0	23273.7
-7.5°	4070.0	4935.4	5979.3	7175.7	8605.8	10246.6	12157.0	14342.5	16866.8	19673.1	22811.0
-10°	4009.1	4857.8	5875.3	7045.4	8433.7	10031.9	11882.6	14000.7	16434.1	19152.0	22170.5
-12.5°	3931.2	4758.5	5742.4	6878.9	8214.0	9757.9	11532.9	13565.5	15883.9	18490.4	21358.9
-15°	3836.5	4638.0	5581.0	6676.9	7947.8	9426.2	11109.9	13039.9	15220.4	17694.3	20384.3
-17.5°	3725.4	4496.5	5391.8	6440.3	7636.3	9038.5	10616.2	12438.2	14495.9	16833.1	19379.8
-20°	3598.2	4334.6	5175.6	6170.1	7291.7	8625.8	10123.6	11829.9	13743.6	15887.8	18251.0



REPORT NUMBER: P731239 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3455.2	4153.0	4951.3	5898.0	6962.1	8194.0	9589.1	11152.7	12907.6	14840.1	17044.0
-25°	3307.9	3977.8	4730.9	5605.4	6598.8	7718.9	9001.8	10427.0	12058.3	13849.0	15816.0
-27.5°	3158.1	3787.0	4490.3	5286.6	6203.4	7226.8	8422.8	9740.9	11194.3	12789.2	14536.9
-30°	2996.1	3580.7	4230.4	4959.1	5819.0	6766.3	7824.3	9005.8	10307.8	11766.0	13329.7
-32.5°	2822.1	3361.9	3977.8	4656.2	5420.4	6275.2	7214.0	8300.2	9472.2	10720.8	12113.9
-35°	2647.2	3158.1	3720.5	4334.6	5004.4	5799.8	6655.8	7579.6	8622.4	9755.7	10948.2
-37.5°	2478.7	2942.6	3448.7	4015.4	4638.0	5320.7	6075.1	6913.1	7817.7	8784.9	9850.8
-40°	2301.4	2715.8	3192.0	3705.9	4253.9	4857.8	5538.8	6260.3	7042.8	7897.6	8784.9
-42.5°	2118.2	2511.3	2933.6	3382.7	3892.1	4428.4	4991.1	5648.8	6324.1	7042.8	7817.7
-45°	1947.5	2299.0	2671.1	3091.2	3530.7	4004.9	4516.3	5035.7	5648.8	6260.3	6913.1
-47.5°	1770.2	2085.7	2431.7	2790.1	3186.6	3605.2	4042.6	4516.3	4991.1	5538.8	6075.1
-50°	1592.3	1885.1	2184.4	2512.0	2853.2	3218.5	3605.2	4004.9	4428.4	4857.8	5320.7
-52.5°	1425.8	1678.3	1954.6	2237.6	2538.9	2853.2	3186.6	3530.7	3892.1	4253.9	4638.0
-55°	1254.4	1486.0	1724.4	1977.9	2237.6	2512.0	2790.1	3091.2	3382.7	3705.9	4015.4
-57.5°	1097.1	1294.4	1506.2	1724.4	1954.6	2184.4	2431.7	2671.1	2933.6	3192.0	3448.7
-60°	946.9	1113.8	1294.4	1486.0	1678.3	1885.1	2085.7	2299.0	2511.3	2715.8	2942.6
-62.5°	798.6	946.9	1097.1	1254.4	1425.8	1592.3	1770.2	1947.5	2118.2	2301.4	2478.7
-65°	670.7	785.1	913.8	1047.4	1177.5	1326.1	1472.6	1613.9	1765.8	1913.8	2055.0
-67.5°	540.6	643.8	744.8	848.0	965.1	1078.7	1188.5	1315.0	1436.9	1553.5	1668.9
-70°	433.2	504.7	590.4	678.0	763.1	851.1	948.6	1042.5	1132.7	1224.5	1322.8
-72.5°	329.3	391.9	453.1	512.7	585.4	657.6	727.3	794.5	867.2	942.4	1013.9
-75°	243.6	279.9	330.4	381.5	431.2	479.3	527.6	585.1	640.1	692.8	742.8
-77.5°	171.9	202.2	231.8	260.6	290.7	330.8	369.4	406.6	442.2	476.2	508.5
-80°	111.2	124.5	147.7	170.7	193.0	214.7	235.5	255.6	274.8	297.6	323.4
-82.5°	71.4	81.4	91.1	100.6	109.8	118.7	129.0	144.0	158.4	172.1	185.2
-85°	35.2	38.2	44.6	50.9	57.0	63.0	68.7	74.2	79.4	84.4	89.2
-87.5°	17.6	19.1	20.5	21.9	23.3	24.5	25.8	27.0	28.2	29.3	30.3
-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: P731239 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-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°	31.3	32.2	33.1	33.9	34.6	35.3	35.9	36.4	36.9	37.3	37.6
85°	93.7	97.9	101.8	105.5	108.9	111.9	114.7	117.1	119.3	121.1	122.5
82.5°	197.5	209.1	219.9	229.9	239.1	247.6	255.1	261.8	267.7	272.6	276.7
80°	347.7	370.7	392.1	411.9	430.2	446.9	461.9	475.2	486.7	496.6	504.7
77.5°	544.8	581.7	616.3	648.4	677.9	704.8	729.0	750.5	769.2	785.1	798.2
75°	790.1	837.5	888.4	935.6	979.1	1018.7	1054.4	1086.2	1113.8	1137.3	1156.5
72.5°	1081.6	1145.4	1207.8	1274.2	1335.4	1391.1	1441.4	1486.0	1525.0	1558.0	1585.2
70°	1416.0	1503.7	1585.9	1666.1	1746.2	1819.3	1885.1	1943.7	1994.7	2038.1	2073.8
67.5°	1788.7	1901.7	2007.5	2106.0	2204.8	2299.0	2384.0	2459.6	2525.5	2581.6	2627.7
65°	2195.9	2339.4	2474.1	2599.4	2715.8	2839.0	2950.2	3049.1	3135.4	3208.9	3269.3
62.5°	2647.2	2822.1	2996.1	3158.1	3307.9	3455.2	3598.2	3725.4	3836.5	3931.2	4009.1
60°	3158.1	3361.9	3580.7	3787.0	3977.8	4153.0	4334.6	4496.5	4638.0	4758.5	4857.8
57.5°	3720.5	3977.8	4230.4	4490.3	4730.9	4951.3	5175.6	5391.8	5581.0	5742.4	5875.3
55°	4334.6	4656.2	4959.1	5286.6	5605.4	5898.0	6170.1	6440.3	6676.9	6878.9	7045.4
52.5°	5004.4	5420.4	5819.0	6203.4	6598.8	6962.1	7291.7	7636.3	7947.8	8214.0	8433.7
50°	5799.8	6275.2	6766.3	7226.8	7718.9	8194.0	8625.8	9038.5	9426.2	9757.9	10031.9
47.5°	6655.8	7214.0	7824.3	8422.8	9001.8	9589.1	10123.6	10616.2	11109.9	11532.9	11882.6
45°	7579.6	8300.2	9005.8	9740.9	10427.0	11152.7	11829.9	12438.2	13039.9	13565.5	14000.7
42.5°	8622.4	9472.2	10307.8	11194.3	12058.3	12907.6	13743.6	14495.9	15220.4	15883.9	16434.1
40°	9755.7	10720.8	11766.0	12789.2	13849.0	14840.1	15887.8	16833.1	17694.3	18490.4	19152.0
37.5°	10948.2	12113.9	13329.7	14536.9	15816.0	17044.0	18251.0	19379.8	20384.3	21358.9	22170.5
35°	12230.7	13603.0	14983.7	16479.9	17939.9	19396.5	20788.9	22163.1	23385.4	24526.5	25501.8
32.5°	13603.0	15147.5	16816.1	18511.8	20177.9	21916.0	23544.8	25171.3	26632.7	27967.7	29142.9
30°	14983.7	16816.1	18704.1	20602.6	22605.9	24577.6	26509.8	28381.6	30132.1	31658.5	32937.9
27.5°	16479.9	18511.8	20602.6	22838.2	25107.9	27336.9	29630.5	31737.5	33629.9	35289.8	36799.2
25°	17939.9	20177.9	22605.9	25107.9	27643.2	30267.1	32724.5	34993.0	37183.9	39137.9	40900.5
22.5°	19396.5	21916.0	24577.6	27336.9	30267.1	33058.2	35720.6	38359.0	40867.3	43191.6	45201.6
20°	20788.9	23544.8	26509.8	29630.5	32724.5	35720.6	38757.5	41777.4	44632.0	47242.8	49484.5
17.5°	22163.1	25171.3	28381.6	31737.5	34993.0	38359.0	41777.4	45131.0	48301.0	51110.1	53544.6
15°	23385.4	26632.7	30132.1	33629.9	37183.9	40867.3	44632.0	48301.0	51667.7	54741.1	57470.3
12.5°	24526.5	27967.7	31658.5	35289.8	39137.9	43191.6	47242.8	51110.1	54741.1	58133.1	60869.1
10°	25501.8	29142.9	32937.9	36799.2	40900.5	45201.6	49484.5	53544.6	57470.3	60869.1	63852.6
7.5°	26273.2	30075.0	33956.1	38006.0	42348.7	46847.4	51268.6	55558.7	59595.6	63159.0	66152.7
5°	26831.4	30751.0	34696.5	38886.6	43410.2	48060.7	52594.1	57071.2	61140.1	64811.6	67873.0
2.5°	27169.4	31160.9	35146.3	39422.9	44058.6	48805.0	53412.0	58012.1	62112.6	65796.9	68902.2
0°	27282.5	31298.2	35297.2	39603.0	44276.8	49056.0	53688.6	58331.8	62445.3	66122.1	69256.7
-2.5°	27169.4	31160.9	35146.3	39422.9	44058.6	48805.0	53412.0	58012.1	62112.6	65796.9	68902.2
-5°	26831.4	30751.0	34696.5	38886.6	43410.2	48060.7	52594.1	57071.2	61140.1	64811.6	67873.0
-7.5°	26273.2	30075.0	33956.1	38006.0	42348.7	46847.4	51268.6	55558.7	59595.6	63159.0	66152.7
-10°	25501.8	29142.9	32937.9	36799.2	40900.5	45201.6	49484.5	53544.6	57470.3	60869.1	63852.6
-12.5°	24526.5	27967.7	31658.5	35289.8	39137.9	43191.6	47242.8	51110.1	54741.1	58133.1	60869.1
-15°	23385.4	26632.7	30132.1	33629.9	37183.9	40867.3	44632.0	48301.0	51667.7	54741.1	57470.3
-17.5°	22163.1	25171.3	28381.6	31737.5	34993.0	38359.0	41777.4	45131.0	48301.0	51110.1	53544.6
-20°	20788.9	23544.8	26509.8	29630.5	32724.5	35720.6	38757.5	41777.4	44632.0	47242.8	49484.5



REPORT NUMBER: P731239 (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°	19396.5	21916.0	24577.6	27336.9	30267.1	33058.2	35720.6	38359.0	40867.3	43191.6	45201.6
-25°	17939.9	20177.9	22605.9	25107.9	27643.2	30267.1	32724.5	34993.0	37183.9	39137.9	40900.5
-27.5°	16479.9	18511.8	20602.6	22838.2	25107.9	27336.9	29630.5	31737.5	33629.9	35289.8	36799.2
-30°	14983.7	16816.1	18704.1	20602.6	22605.9	24577.6	26509.8	28381.6	30132.1	31658.5	32937.9
-32.5°	13603.0	15147.5	16816.1	18511.8	20177.9	21916.0	23544.8	25171.3	26632.7	27967.7	29142.9
-35°	12230.7	13603.0	14983.7	16479.9	17939.9	19396.5	20788.9	22163.1	23385.4	24526.5	25501.8
-37.5°	10948.2	12113.9	13329.7	14536.9	15816.0	17044.0	18251.0	19379.8	20384.3	21358.9	22170.5
-40°	9755.7	10720.8	11766.0	12789.2	13849.0	14840.1	15887.8	16833.1	17694.3	18490.4	19152.0
-42.5°	8622.4	9472.2	10307.8	11194.3	12058.3	12907.6	13743.6	14495.9	15220.4	15883.9	16434.1
-45°	7579.6	8300.2	9005.8	9740.9	10427.0	11152.7	11829.9	12438.2	13039.9	13565.5	14000.7
-47.5°	6655.8	7214.0	7824.3	8422.8	9001.8	9589.1	10123.6	10616.2	11109.9	11532.9	11882.6
-50°	5799.8	6275.2	6766.3	7226.8	7718.9	8194.0	8625.8	9038.5	9426.2	9757.9	10031.9
-52.5°	5004.4	5420.4	5819.0	6203.4	6598.8	6962.1	7291.7	7636.3	7947.8	8214.0	8433.7
-55°	4334.6	4656.2	4959.1	5286.6	5605.4	5898.0	6170.1	6440.3	6676.9	6878.9	7045.4
-57.5°	3720.5	3977.8	4230.4	4490.3	4730.9	4951.3	5175.6	5391.8	5581.0	5742.4	5875.3
-60°	3158.1	3361.9	3580.7	3787.0	3977.8	4153.0	4334.6	4496.5	4638.0	4758.5	4857.8
-62.5°	2647.2	2822.1	2996.1	3158.1	3307.9	3455.2	3598.2	3725.4	3836.5	3931.2	4009.1
-65°	2195.9	2339.4	2474.1	2599.4	2715.8	2839.0	2950.2	3049.1	3135.4	3208.9	3269.3
-67.5°	1788.7	1901.7	2007.5	2106.0	2204.8	2299.0	2384.0	2459.6	2525.5	2581.6	2627.7
-70°	1416.0	1503.7	1585.9	1666.1	1746.2	1819.3	1885.1	1943.7	1994.7	2038.1	2073.8
-72.5°	1081.6	1145.4	1207.8	1274.2	1335.4	1391.1	1441.4	1486.0	1525.0	1558.0	1585.2
-75°	790.1	837.5	888.4	935.6	979.1	1018.7	1054.4	1086.2	1113.8	1137.3	1156.5
-77.5°	544.8	581.7	616.3	648.4	677.9	704.8	729.0	750.5	769.2	785.1	798.2
-80°	347.7	370.7	392.1	411.9	430.2	446.9	461.9	475.2	486.7	496.6	504.7
-82.5°	197.5	209.1	219.9	229.9	239.1	247.6	255.1	261.8	267.7	272.6	276.7
-85°	93.7	97.9	101.8	105.5	108.9	111.9	114.7	117.1	119.3	121.1	122.5
-87.5°	31.3	32.2	33.1	33.9	34.6	35.3	35.9	36.4	36.9	37.3	37.6
-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: P731239 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-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°	37.9	38.1	38.2	38.2	38.2	38.1	37.9	37.6	37.3	36.9	36.4
85°	123.7	124.5	125.0	125.0	125.0	124.5	123.7	122.5	121.1	119.3	117.1
82.5°	279.9	282.2	283.5	284.0	283.5	282.2	279.9	276.7	272.6	267.7	261.8
80°	511.0	515.5	518.2	519.1	518.2	515.5	511.0	504.7	496.6	486.7	475.2
77.5°	808.4	815.7	820.0	821.5	820.0	815.7	808.4	798.2	785.1	769.2	750.5
75°	1171.6	1182.4	1188.8	1191.0	1188.8	1182.4	1171.6	1156.5	1137.3	1113.8	1086.2
72.5°	1606.4	1621.6	1630.8	1633.8	1630.8	1621.6	1606.4	1585.2	1558.0	1525.0	1486.0
70°	2101.7	2121.6	2133.6	2137.6	2133.6	2121.6	2101.7	2073.8	2038.1	1994.7	1943.7
67.5°	2663.7	2689.5	2705.0	2710.2	2705.0	2689.5	2663.7	2627.7	2581.6	2525.5	2459.6
65°	3316.5	3350.4	3370.7	3377.5	3370.7	3350.4	3316.5	3269.3	3208.9	3135.4	3049.1
62.5°	4070.0	4113.6	4139.8	4148.6	4139.8	4113.6	4070.0	4009.1	3931.2	3836.5	3725.4
60°	4935.4	4991.1	5024.5	5035.7	5024.5	4991.1	4935.4	4857.8	4758.5	4638.0	4496.5
57.5°	5979.3	6053.9	6098.7	6113.7	6098.7	6053.9	5979.3	5875.3	5742.4	5581.0	5391.8
55°	7175.7	7269.2	7325.5	7344.3	7325.5	7269.2	7175.7	7045.4	6878.9	6676.9	6440.3
52.5°	8605.8	8729.3	8803.7	8828.5	8803.7	8729.3	8605.8	8433.7	8214.0	7947.8	7636.3
50°	10246.6	10400.9	10493.9	10524.9	10493.9	10400.9	10246.6	10031.9	9757.9	9426.2	9038.5
47.5°	12157.0	12354.3	12473.2	12512.9	12473.2	12354.3	12157.0	11882.6	11532.9	11109.9	10616.2
45°	14342.5	14588.5	14736.8	14786.4	14736.8	14588.5	14342.5	14000.7	13565.5	13039.9	12438.2
42.5°	16866.8	17178.5	17366.6	17429.5	17366.6	17178.5	16866.8	16434.1	15883.9	15220.4	14495.9
40°	19673.1	20049.0	20276.0	20351.9	20276.0	20049.0	19673.1	19152.0	18490.4	17694.3	16833.1
37.5°	22811.0	23273.7	23553.4	23647.0	23553.4	23273.7	22811.0	22170.5	21358.9	20384.3	19379.8
35°	26273.2	26831.4	27169.4	27282.5	27169.4	26831.4	26273.2	25501.8	24526.5	23385.4	22163.1
32.5°	30075.0	30751.0	31160.9	31298.2	31160.9	30751.0	30075.0	29142.9	27967.7	26632.7	25171.3
30°	33956.1	34696.5	35146.3	35297.2	35146.3	34696.5	33956.1	32937.9	31658.5	30132.1	28381.6
27.5°	38006.0	38886.6	39422.9	39603.0	39422.9	38886.6	38006.0	36799.2	35289.8	33629.9	31737.5
25°	42348.7	43410.2	44058.6	44276.8	44058.6	43410.2	42348.7	40900.5	39137.9	37183.9	34993.0
22.5°	46847.4	48060.7	48805.0	49056.0	48805.0	48060.7	46847.4	45201.6	43191.6	40867.3	38359.0
20°	51268.6	52594.1	53412.0	53688.6	53412.0	52594.1	51268.6	49484.5	47242.8	44632.0	41777.4
17.5°	55558.7	57071.2	58012.1	58331.8	58012.1	57071.2	55558.7	53544.6	51110.1	48301.0	45131.0
15°	59595.6	61140.1	62112.6	62445.3	62112.6	61140.1	59595.6	57470.3	54741.1	51667.7	48301.0
12.5°	63159.0	64811.6	65796.9	66122.1	65796.9	64811.6	63159.0	60869.1	58133.1	54741.1	51110.1
10°	66152.7	67873.0	68902.2	69256.7	68902.2	67873.0	66152.7	63852.6	60869.1	57470.3	53544.6
7.5°	68568.7	70320.7	71409.6	71760.1	71409.6	70320.7	68568.7	66152.7	63159.0	59595.6	55558.7
5°	70320.7	72136.7	73190.7	73580.9	73190.7	72136.7	70320.7	67873.0	64811.6	61140.1	57071.2
2.5°	71409.6	73190.7	74288.5	74661.2	74288.5	73190.7	71409.6	68902.2	65796.9	62112.6	58012.1
0°	71760.1	73580.9	74661.2	75078.8	74661.2	73580.9	71760.1	69256.7	66122.1	62445.3	58331.8
-2.5°	71409.6	73190.7	74288.5	74661.2	74288.5	73190.7	71409.6	68902.2	65796.9	62112.6	58012.1
-5°	70320.7	72136.7	73190.7	73580.9	73190.7	72136.7	70320.7	67873.0	64811.6	61140.1	57071.2
-7.5°	68568.7	70320.7	71409.6	71760.1	71409.6	70320.7	68568.7	66152.7	63159.0	59595.6	55558.7
-10°	66152.7	67873.0	68902.2	69256.7	68902.2	67873.0	66152.7	63852.6	60869.1	57470.3	53544.6
-12.5°	63159.0	64811.6	65796.9	66122.1	65796.9	64811.6	63159.0	60869.1	58133.1	54741.1	51110.1
-15°	59595.6	61140.1	62112.6	62445.3	62112.6	61140.1	59595.6	57470.3	54741.1	51667.7	48301.0
-17.5°	55558.7	57071.2	58012.1	58331.8	58012.1	57071.2	55558.7	53544.6	51110.1	48301.0	45131.0
-20°	51268.6	52594.1	53412.0	53688.6	53412.0	52594.1	51268.6	49484.5	47242.8	44632.0	41777.4



REPORT NUMBER: P731239 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	46847.4	48060.7	48805.0	49056.0	48805.0	48060.7	46847.4	45201.6	43191.6	40867.3	38359.0
-25°	42348.7	43410.2	44058.6	44276.8	44058.6	43410.2	42348.7	40900.5	39137.9	37183.9	34993.0
-27.5°	38006.0	38886.6	39422.9	39603.0	39422.9	38886.6	38006.0	36799.2	35289.8	33629.9	31737.5
-30°	33956.1	34696.5	35146.3	35297.2	35146.3	34696.5	33956.1	32937.9	31658.5	30132.1	28381.6
-32.5°	30075.0	30751.0	31160.9	31298.2	31160.9	30751.0	30075.0	29142.9	27967.7	26632.7	25171.3
-35°	26273.2	26831.4	27169.4	27282.5	27169.4	26831.4	26273.2	25501.8	24526.5	23385.4	22163.1
-37.5°	22811.0	23273.7	23553.4	23647.0	23553.4	23273.7	22811.0	22170.5	21358.9	20384.3	19379.8
-40°	19673.1	20049.0	20276.0	20351.9	20276.0	20049.0	19673.1	19152.0	18490.4	17694.3	16833.1
-42.5°	16866.8	17178.5	17366.6	17429.5	17366.6	17178.5	16866.8	16434.1	15883.9	15220.4	14495.9
-45°	14342.5	14588.5	14736.8	14786.4	14736.8	14588.5	14342.5	14000.7	13565.5	13039.9	12438.2
-47.5°	12157.0	12354.3	12473.2	12512.9	12473.2	12354.3	12157.0	11882.6	11532.9	11109.9	10616.2
-50°	10246.6	10400.9	10493.9	10524.9	10493.9	10400.9	10246.6	10031.9	9757.9	9426.2	9038.5
-52.5°	8605.8	8729.3	8803.7	8828.5	8803.7	8729.3	8605.8	8433.7	8214.0	7947.8	7636.3
-55°	7175.7	7269.2	7325.5	7344.3	7325.5	7269.2	7175.7	7045.4	6878.9	6676.9	6440.3
-57.5°	5979.3	6053.9	6098.7	6113.7	6098.7	6053.9	5979.3	5875.3	5742.4	5581.0	5391.8
-60°	4935.4	4991.1	5024.5	5035.7	5024.5	4991.1	4935.4	4857.8	4758.5	4638.0	4496.5
-62.5°	4070.0	4113.6	4139.8	4148.6	4139.8	4113.6	4070.0	4009.1	3931.2	3836.5	3725.4
-65°	3316.5	3350.4	3370.7	3377.5	3370.7	3350.4	3316.5	3269.3	3208.9	3135.4	3049.1
-67.5°	2663.7	2689.5	2705.0	2710.2	2705.0	2689.5	2663.7	2627.7	2581.6	2525.5	2459.6
-70°	2101.7	2121.6	2133.6	2137.6	2133.6	2121.6	2101.7	2073.8	2038.1	1994.7	1943.7
-72.5°	1606.4	1621.6	1630.8	1633.8	1630.8	1621.6	1606.4	1585.2	1558.0	1525.0	1486.0
-75°	1171.6	1182.4	1188.8	1191.0	1188.8	1182.4	1171.6	1156.5	1137.3	1113.8	1086.2
-77.5°	808.4	815.7	820.0	821.5	820.0	815.7	808.4	798.2	785.1	769.2	750.5
-80°	511.0	515.5	518.2	519.1	518.2	515.5	511.0	504.7	496.6	486.7	475.2
-82.5°	279.9	282.2	283.5	284.0	283.5	282.2	279.9	276.7	272.6	267.7	261.8
-85°	123.7	124.5	125.0	125.2	125.0	124.5	123.7	122.5	121.1	119.3	117.1
-87.5°	37.9	38.1	38.2	38.2	38.2	38.1	37.9	37.6	37.3	36.9	36.4
-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: P731239 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-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°	35.9	35.3	34.6	33.9	33.1	32.2	31.3	30.3	29.3	28.2	27.0
85°	114.7	111.9	108.9	105.5	101.8	97.9	93.7	89.2	84.4	79.4	74.2
82.5°	255.1	247.6	239.1	229.9	219.9	209.1	197.5	185.2	172.1	158.4	144.0
80°	461.9	446.9	430.2	411.9	392.1	370.7	347.7	323.4	297.6	274.8	255.6
77.5°	729.0	704.8	677.9	648.4	616.3	581.7	544.8	508.5	476.2	442.2	406.6
75°	1054.4	1018.7	979.1	935.6	888.4	837.5	790.1	742.8	692.8	640.1	585.1
72.5°	1441.4	1391.1	1335.4	1274.2	1207.8	1145.4	1081.6	1013.9	942.4	867.2	794.5
70°	1885.1	1819.3	1746.2	1666.1	1585.9	1503.7	1416.0	1322.8	1224.5	1132.7	1042.5
67.5°	2384.0	2299.0	2204.8	2106.0	2007.5	1901.7	1788.7	1668.9	1553.5	1436.9	1315.0
65°	2950.2	2839.0	2715.8	2599.4	2474.1	2339.4	2195.9	2055.0	1913.8	1765.8	1613.9
62.5°	3598.2	3455.2	3307.9	3158.1	2996.1	2822.1	2647.2	2478.7	2301.4	2118.2	1947.5
60°	4334.6	4153.0	3977.8	3787.0	3580.7	3361.9	3158.1	2942.6	2715.8	2511.3	2299.0
57.5°	5175.6	4951.3	4730.9	4490.3	4230.4	3977.8	3720.5	3448.7	3192.0	2933.6	2671.1
55°	6170.1	5898.0	5605.4	5286.6	4959.1	4656.2	4334.6	4015.4	3705.9	3382.7	3091.2
52.5°	7291.7	6962.1	6598.8	6203.4	5819.0	5420.4	5004.4	4638.0	4253.9	3892.1	3530.7
50°	8625.8	8194.0	7718.9	7226.8	6766.3	6275.2	5799.8	5320.7	4857.8	4428.4	4004.9
47.5°	10123.6	9589.1	9001.8	8422.8	7824.3	7214.0	6655.8	6075.1	5538.8	4991.1	4516.3
45°	11829.9	11152.7	10427.0	9740.9	9005.8	8300.2	7579.6	6913.1	6260.3	5648.8	5035.7
42.5°	13743.6	12907.6	12058.3	11194.3	10307.8	9472.2	8622.4	7817.7	7042.8	6324.1	5648.8
40°	15887.8	14840.1	13849.0	12789.2	11766.0	10720.8	9755.7	8784.9	7897.6	7042.8	6260.3
37.5°	18251.0	17044.0	15816.0	14536.9	13329.7	12113.9	10948.2	9850.8	8784.9	7817.7	6913.1
35°	20788.9	19396.5	17939.9	16479.9	14983.7	13603.0	12230.7	10948.2	9755.7	8622.4	7579.6
32.5°	23544.8	21916.0	20177.9	18511.8	16816.1	15147.5	13603.0	12113.9	10720.8	9472.2	8300.2
30°	26509.8	24577.6	22605.9	20602.6	18704.1	16816.1	14983.7	13329.7	11766.0	10307.8	9005.8
27.5°	29630.5	27336.9	25107.9	22838.2	20602.6	18511.8	16479.9	14536.9	12789.2	11194.3	9740.9
25°	32724.5	30267.1	27643.2	25107.9	22605.9	20177.9	17939.9	15816.0	13849.0	12058.3	10427.0
22.5°	35720.6	33058.2	30267.1	27336.9	24577.6	21916.0	19396.5	17044.0	14840.1	12907.6	11152.7
20°	38757.5	35720.6	32724.5	29630.5	26509.8	23544.8	20788.9	18251.0	15887.8	13743.6	11829.9
17.5°	41777.4	38359.0	34993.0	31737.5	28381.6	25171.3	22163.1	19379.8	16833.1	14495.9	12438.2
15°	44632.0	40867.3	37183.9	33629.9	30132.1	26632.7	23385.4	20384.3	17694.3	15220.4	13039.9
12.5°	47242.8	43191.6	39137.9	35289.8	31658.5	27967.7	24526.5	21358.9	18490.4	15883.9	13565.5
10°	49484.5	45201.6	40900.5	36799.2	32937.9	29142.9	25501.8	22170.5	19152.0	16434.1	14000.7
7.5°	51268.6	46847.4	42348.7	38006.0	33956.1	30075.0	26273.2	22811.0	19673.1	16866.8	14342.5
5°	52594.1	48060.7	43410.2	38886.6	34696.5	30751.0	26831.4	23273.7	20049.0	17178.5	14588.5
2.5°	53412.0	48805.0	44058.6	39422.9	35146.3	31160.9	27169.4	23553.4	20276.0	17366.6	14736.8
0°	53688.6	49056.0	44276.8	39603.0	35297.2	31298.2	27282.5	23647.0	20351.9	17429.5	14786.4
-2.5°	53412.0	48805.0	44058.6	39422.9	35146.3	31160.9	27169.4	23553.4	20276.0	17366.6	14736.8
-5°	52594.1	48060.7	43410.2	38886.6	34696.5	30751.0	26831.4	23273.7	20049.0	17178.5	14588.5
-7.5°	51268.6	46847.4	42348.7	38006.0	33956.1	30075.0	26273.2	22811.0	19673.1	16866.8	14342.5
-10°	49484.5	45201.6	40900.5	36799.2	32937.9	29142.9	25501.8	22170.5	19152.0	16434.1	14000.7
-12.5°	47242.8	43191.6	39137.9	35289.8	31658.5	27967.7	24526.5	21358.9	18490.4	15883.9	13565.5
-15°	44632.0	40867.3	37183.9	33629.9	30132.1	26632.7	23385.4	20384.3	17694.3	15220.4	13039.9
-17.5°	41777.4	38359.0	34993.0	31737.5	28381.6	25171.3	22163.1	19379.8	16833.1	14495.9	12438.2
-20°	38757.5	35720.6	32724.5	29630.5	26509.8	23544.8	20788.9	18251.0	15887.8	13743.6	11829.9



REPORT NUMBER: P731239 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	35720.6	33058.2	30267.1	27336.9	24577.6	21916.0	19396.5	17044.0	14840.1	12907.6	11152.7
-25°	32724.5	30267.1	27643.2	25107.9	22605.9	20177.9	17939.9	15816.0	13849.0	12058.3	10427.0
-27.5°	29630.5	27336.9	25107.9	22838.2	20602.6	18511.8	16479.9	14536.9	12789.2	11194.3	9740.9
-30°	26509.8	24577.6	22605.9	20602.6	18704.1	16816.1	14983.7	13329.7	11766.0	10307.8	9005.8
-32.5°	23544.8	21916.0	20177.9	18511.8	16816.1	15147.5	13603.0	12113.9	10720.8	9472.2	8300.2
-35°	20788.9	19396.5	17939.9	16479.9	14983.7	13603.0	12230.7	10948.2	9755.7	8622.4	7579.6
-37.5°	18251.0	17044.0	15816.0	14536.9	13329.7	12113.9	10948.2	9850.8	8784.9	7817.7	6913.1
-40°	15887.8	14840.1	13849.0	12789.2	11766.0	10720.8	9755.7	8784.9	7897.6	7042.8	6260.3
-42.5°	13743.6	12907.6	12058.3	11194.3	10307.8	9472.2	8622.4	7817.7	7042.8	6324.1	5648.8
-45°	11829.9	11152.7	10427.0	9740.9	9005.8	8300.2	7579.6	6913.1	6260.3	5648.8	5035.7
-47.5°	10123.6	9589.1	9001.8	8422.8	7824.3	7214.0	6655.8	6075.1	5538.8	4991.1	4516.3
-50°	8625.8	8194.0	7718.9	7226.8	6766.3	6275.2	5799.8	5320.7	4857.8	4428.4	4004.9
-52.5°	7291.7	6962.1	6598.8	6203.4	5819.0	5420.4	5004.4	4638.0	4253.9	3892.1	3530.7
-55°	6170.1	5898.0	5605.4	5286.6	4959.1	4656.2	4334.6	4015.4	3705.9	3382.7	3091.2
-57.5°	5175.6	4951.3	4730.9	4490.3	4230.4	3977.8	3720.5	3448.7	3192.0	2933.6	2671.1
-60°	4334.6	4153.0	3977.8	3787.0	3580.7	3361.9	3158.1	2942.6	2715.8	2511.3	2299.0
-62.5°	3598.2	3455.2	3307.9	3158.1	2996.1	2822.1	2647.2	2478.7	2301.4	2118.2	1947.5
-65°	2950.2	2839.0	2715.8	2599.4	2474.1	2339.4	2195.9	2055.0	1913.8	1765.8	1613.9
-67.5°	2384.0	2299.0	2204.8	2106.0	2007.5	1901.7	1788.7	1668.9	1553.5	1436.9	1315.0
-70°	1885.1	1819.3	1746.2	1666.1	1585.9	1503.7	1416.0	1322.8	1224.5	1132.7	1042.5
-72.5°	1441.4	1391.1	1335.4	1274.2	1207.8	1145.4	1081.6	1013.9	942.4	867.2	794.5
-75°	1054.4	1018.7	979.1	935.6	888.4	837.5	790.1	742.8	692.8	640.1	585.1
-77.5°	729.0	704.8	677.9	648.4	616.3	581.7	544.8	508.5	476.2	442.2	406.6
-80°	461.9	446.9	430.2	411.9	392.1	370.7	347.7	323.4	297.6	274.8	255.6
-82.5°	255.1	247.6	239.1	229.9	219.9	209.1	197.5	185.2	172.1	158.4	144.0
-85°	114.7	111.9	108.9	105.5	101.8	97.9	93.7	89.2	84.4	79.4	74.2
-87.5°	35.9	35.3	34.6	33.9	33.1	32.2	31.3	30.3	29.3	28.2	27.0
-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: P731239 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-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°	25.8	24.5	23.3	21.9	20.5	19.1	17.6	16.1	14.6	13.1	11.5
85°	68.7	63.0	57.0	50.9	44.6	38.2	35.2	32.3	29.2	26.1	22.9
82.5°	129.0	118.7	109.8	100.6	91.1	81.4	71.4	61.2	50.8	40.2	34.4
80°	235.5	214.7	193.0	170.7	147.7	124.5	111.2	97.7	83.8	69.7	55.4
77.5°	369.4	330.8	290.7	260.6	231.8	202.2	171.9	141.0	116.5	98.9	81.1
75°	527.6	479.3	431.2	381.5	330.4	279.9	243.6	206.5	168.7	130.2	106.5
72.5°	727.3	657.6	585.4	512.7	453.1	391.9	329.3	271.4	227.3	182.6	137.1
70°	948.6	851.1	763.1	678.0	590.4	504.7	433.2	360.3	286.0	234.3	182.6
67.5°	1188.5	1078.7	965.1	848.0	744.8	643.8	540.6	454.0	370.6	286.0	227.3
65°	1472.6	1326.1	1177.5	1047.4	913.8	785.1	670.7	554.0	454.0	360.3	271.4
62.5°	1770.2	1592.3	1425.8	1254.4	1097.1	946.9	798.6	670.7	540.6	433.2	329.3
60°	2085.7	1885.1	1678.3	1486.0	1294.4	1113.8	946.9	785.1	643.8	504.7	391.9
57.5°	2431.7	2184.4	1954.6	1724.4	1506.2	1294.4	1097.1	913.8	744.8	590.4	453.1
55°	2790.1	2512.0	2237.6	1977.9	1724.4	1486.0	1254.4	1047.4	848.0	678.0	512.7
52.5°	3186.6	2853.2	2538.9	2237.6	1954.6	1678.3	1425.8	1177.5	965.1	763.1	585.4
50°	3605.2	3218.5	2853.2	2512.0	2184.4	1885.1	1592.3	1326.1	1078.7	851.1	657.6
47.5°	4042.6	3605.2	3186.6	2790.1	2431.7	2085.7	1770.2	1472.6	1188.5	948.6	727.3
45°	4516.3	4004.9	3530.7	3091.2	2671.1	2299.0	1947.5	1613.9	1315.0	1042.5	794.5
42.5°	4991.1	4428.4	3892.1	3382.7	2933.6	2511.3	2118.2	1765.8	1436.9	1132.7	867.2
40°	5538.8	4857.8	4253.9	3705.9	3192.0	2715.8	2301.4	1913.8	1553.5	1224.5	942.4
37.5°	6075.1	5320.7	4638.0	4015.4	3448.7	2942.6	2478.7	2055.0	1668.9	1322.8	1013.9
35°	6655.8	5799.8	5004.4	4334.6	3720.5	3158.1	2647.2	2195.9	1788.7	1416.0	1081.6
32.5°	7214.0	6275.2	5420.4	4656.2	3977.8	3361.9	2822.1	2339.4	1901.7	1503.7	1145.4
30°	7824.3	6766.3	5819.0	4959.1	4230.4	3580.7	2996.1	2474.1	2007.5	1585.9	1207.8
27.5°	8422.8	7226.8	6203.4	5286.6	4490.3	3787.0	3158.1	2599.4	2106.0	1666.1	1274.2
25°	9001.8	7718.9	6598.8	5605.4	4730.9	3977.8	3307.9	2715.8	2204.8	1746.2	1335.4
22.5°	9589.1	8194.0	6962.1	5898.0	4951.3	4153.0	3455.2	2839.0	2299.0	1819.3	1391.1
20°	10123.6	8625.8	7291.7	6170.1	5175.6	4334.6	3598.2	2950.2	2384.0	1885.1	1441.4
17.5°	10616.2	9038.5	7636.3	6440.3	5391.8	4496.5	3725.4	3049.1	2459.6	1943.7	1486.0
15°	11109.9	9426.2	7947.8	6676.9	5581.0	4638.0	3836.5	3135.4	2525.5	1994.7	1525.0
12.5°	11532.9	9757.9	8214.0	6878.9	5742.4	4758.5	3931.2	3208.9	2581.6	2038.1	1558.0
10°	11882.6	10031.9	8433.7	7045.4	5875.3	4857.8	4009.1	3269.3	2627.7	2073.8	1585.2
7.5°	12157.0	10246.6	8605.8	7175.7	5979.3	4935.4	4070.0	3316.5	2663.7	2101.7	1606.4
5°	12354.3	10400.9	8729.3	7269.2	6053.9	4991.1	4113.6	3350.4	2689.5	2121.6	1621.6
2.5°	12473.2	10493.9	8803.7	7325.5	6098.7	5024.5	4139.8	3370.7	2705.0	2133.6	1630.8
0°	12512.9	10524.9	8828.5	7344.3	6113.7	5035.7	4148.6	3377.5	2710.2	2137.6	1633.8
-2.5°	12473.2	10493.9	8803.7	7325.5	6098.7	5024.5	4139.8	3370.7	2705.0	2133.6	1630.8
-5°	12354.3	10400.9	8729.3	7269.2	6053.9	4991.1	4113.6	3350.4	2689.5	2121.6	1621.6
-7.5°	12157.0	10246.6	8605.8	7175.7	5979.3	4935.4	4070.0	3316.5	2663.7	2101.7	1606.4
-10°	11882.6	10031.9	8433.7	7045.4	5875.3	4857.8	4009.1	3269.3	2627.7	2073.8	1585.2
-12.5°	11532.9	9757.9	8214.0	6878.9	5742.4	4758.5	3931.2	3208.9	2581.6	2038.1	1558.0
-15°	11109.9	9426.2	7947.8	6676.9	5581.0	4638.0	3836.5	3135.4	2525.5	1994.7	1525.0
-17.5°	10616.2	9038.5	7636.3	6440.3	5391.8	4496.5	3725.4	3049.1	2459.6	1943.7	1486.0
-20°	10123.6	8625.8	7291.7	6170.1	5175.6	4334.6	3598.2	2950.2	2384.0	1885.1	1441.4



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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°	9589.1	8194.0	6962.1	5898.0	4951.3	4153.0	3455.2	2839.0	2299.0	1819.3	1391.1
-25°	9001.8	7718.9	6598.8	5605.4	4730.9	3977.8	3307.9	2715.8	2204.8	1746.2	1335.4
-27.5°	8422.8	7226.8	6203.4	5286.6	4490.3	3787.0	3158.1	2599.4	2106.0	1666.1	1274.2
-30°	7824.3	6766.3	5819.0	4959.1	4230.4	3580.7	2996.1	2474.1	2007.5	1585.9	1207.8
-32.5°	7214.0	6275.2	5420.4	4656.2	3977.8	3361.9	2822.1	2339.4	1901.7	1503.7	1145.4
-35°	6655.8	5799.8	5004.4	4334.6	3720.5	3158.1	2647.2	2195.9	1788.7	1416.0	1081.6
-37.5°	6075.1	5320.7	4638.0	4015.4	3448.7	2942.6	2478.7	2055.0	1668.9	1322.8	1013.9
-40°	5538.8	4857.8	4253.9	3705.9	3192.0	2715.8	2301.4	1913.8	1553.5	1224.5	942.4
-42.5°	4991.1	4428.4	3892.1	3382.7	2933.6	2511.3	2118.2	1765.8	1436.9	1132.7	867.2
-45°	4516.3	4004.9	3530.7	3091.2	2671.1	2299.0	1947.5	1613.9	1315.0	1042.5	794.5
-47.5°	4042.6	3605.2	3186.6	2790.1	2431.7	2085.7	1770.2	1472.6	1188.5	948.6	727.3
-50°	3605.2	3218.5	2853.2	2512.0	2184.4	1885.1	1592.3	1326.1	1078.7	851.1	657.6
-52.5°	3186.6	2853.2	2538.9	2237.6	1954.6	1678.3	1425.8	1177.5	965.1	763.1	585.4
-55°	2790.1	2512.0	2237.6	1977.9	1724.4	1486.0	1254.4	1047.4	848.0	678.0	512.7
-57.5°	2431.7	2184.4	1954.6	1724.4	1506.2	1294.4	1097.1	913.8	744.8	590.4	453.1
-60°	2085.7	1885.1	1678.3	1486.0	1294.4	1113.8	946.9	785.1	643.8	504.7	391.9
-62.5°	1770.2	1592.3	1425.8	1254.4	1097.1	946.9	798.6	670.7	540.6	433.2	329.3
-65°	1472.6	1326.1	1177.5	1047.4	913.8	785.1	670.7	554.0	454.0	360.3	271.4
-67.5°	1188.5	1078.7	965.1	848.0	744.8	643.8	540.6	454.0	370.6	286.0	227.3
-70°	948.6	851.1	763.1	678.0	590.4	504.7	433.2	360.3	286.0	234.3	182.6
-72.5°	727.3	657.6	585.4	512.7	453.1	391.9	329.3	271.4	227.3	182.6	137.1
-75°	527.6	479.3	431.2	381.5	330.4	279.9	243.6	206.5	168.7	130.2	106.5
-77.5°	369.4	330.8	290.7	260.6	231.8	202.2	171.9	141.0	116.5	98.9	81.1
-80°	235.5	214.7	193.0	170.7	147.7	124.5	111.2	97.7	83.8	69.7	55.4
-82.5°	129.0	118.7	109.8	100.6	91.1	81.4	71.4	61.2	50.8	40.2	34.4
-85°	68.7	63.0	57.0	50.9	44.6	38.2	35.2	32.3	29.2	26.1	22.9
-87.5°	25.8	24.5	23.3	21.9	20.5	19.1	17.6	16.1	14.6	13.1	11.5
-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°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
85°	19.8	16.5	13.3	10.0	6.7	3.3	0.0
82.5°	29.6	24.7	19.8	14.9	10.0	5.0	0.0
80°	40.8	32.9	26.4	19.8	13.3	6.6	0.0
77.5°	63.0	44.6	32.9	24.7	16.5	8.3	0.0
75°	84.9	63.0	40.8	29.6	19.8	9.9	0.0
72.5°	106.5	81.1	55.4	34.4	22.9	11.5	0.0
70°	130.2	98.9	69.7	40.2	26.1	13.1	0.0
67.5°	168.7	116.5	83.8	50.8	29.2	14.6	0.0
65°	206.5	141.0	97.7	61.2	32.3	16.1	0.0
62.5°	243.6	171.9	111.2	71.4	35.2	17.6	0.0
60°	279.9	202.2	124.5	81.4	38.2	19.1	0.0
57.5°	330.4	231.8	147.7	91.1	44.6	20.5	0.0
55°	381.5	260.6	170.7	100.6	50.9	21.9	0.0
52.5°	431.2	290.7	193.0	109.8	57.0	23.3	0.0
50°	479.3	330.8	214.7	118.7	63.0	24.5	0.0
47.5°	527.6	369.4	235.5	129.0	68.7	25.8	0.0
45°	585.1	406.6	255.6	144.0	74.2	27.0	0.0
42.5°	640.1	442.2	274.8	158.4	79.4	28.2	0.0
40°	692.8	476.2	297.6	172.1	84.4	29.3	0.0
37.5°	742.8	508.5	323.4	185.2	89.2	30.3	0.0
35°	790.1	544.8	347.7	197.5	93.7	31.3	0.0
32.5°	837.5	581.7	370.7	209.1	97.9	32.2	0.0
30°	888.4	616.3	392.1	219.9	101.8	33.1	0.0
27.5°	935.6	648.4	411.9	229.9	105.5	33.9	0.0
25°	979.1	677.9	430.2	239.1	108.9	34.6	0.0
22.5°	1018.7	704.8	446.9	247.6	111.9	35.3	0.0
20°	1054.4	729.0	461.9	255.1	114.7	35.9	0.0
17.5°	1086.2	750.5	475.2	261.8	117.1	36.4	0.0
15°	1113.8	769.2	486.7	267.7	119.3	36.9	0.0
12.5°	1137.3	785.1	496.6	272.6	121.1	37.3	0.0
10°	1156.5	798.2	504.7	276.7	122.5	37.6	0.0
7.5°	1171.6	808.4	511.0	279.9	123.7	37.9	0.0
5°	1182.4	815.7	515.5	282.2	124.5	38.1	0.0
2.5°	1188.8	820.0	518.2	283.5	125.0	38.2	0.0
0°	1191.0	821.5	519.1	284.0	125.2	38.2	0.0
-2.5°	1188.8	820.0	518.2	283.5	125.0	38.2	0.0
-5°	1182.4	815.7	515.5	282.2	124.5	38.1	0.0
-7.5°	1171.6	808.4	511.0	279.9	123.7	37.9	0.0
-10°	1156.5	798.2	504.7	276.7	122.5	37.6	0.0
-12.5°	1137.3	785.1	496.6	272.6	121.1	37.3	0.0
-15°	1113.8	769.2	486.7	267.7	119.3	36.9	0.0
-17.5°	1086.2	750.5	475.2	261.8	117.1	36.4	0.0
-20°	1054.4	729.0	461.9	255.1	114.7	35.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1018.7	704.8	446.9	247.6	111.9	35.3	0.0
-25°	979.1	677.9	430.2	239.1	108.9	34.6	0.0
-27.5°	935.6	648.4	411.9	229.9	105.5	33.9	0.0
-30°	888.4	616.3	392.1	219.9	101.8	33.1	0.0
-32.5°	837.5	581.7	370.7	209.1	97.9	32.2	0.0
-35°	790.1	544.8	347.7	197.5	93.7	31.3	0.0
-37.5°	742.8	508.5	323.4	185.2	89.2	30.3	0.0
-40°	692.8	476.2	297.6	172.1	84.4	29.3	0.0
-42.5°	640.1	442.2	274.8	158.4	79.4	28.2	0.0
-45°	585.1	406.6	255.6	144.0	74.2	27.0	0.0
-47.5°	527.6	369.4	235.5	129.0	68.7	25.8	0.0
-50°	479.3	330.8	214.7	118.7	63.0	24.5	0.0
-52.5°	431.2	290.7	193.0	109.8	57.0	23.3	0.0
-55°	381.5	260.6	170.7	100.6	50.9	21.9	0.0
-57.5°	330.4	231.8	147.7	91.1	44.6	20.5	0.0
-60°	279.9	202.2	124.5	81.4	38.2	19.1	0.0
-62.5°	243.6	171.9	111.2	71.4	35.2	17.6	0.0
-65°	206.5	141.0	97.7	61.2	32.3	16.1	0.0
-67.5°	168.7	116.5	83.8	50.8	29.2	14.6	0.0
-70°	130.2	98.9	69.7	40.2	26.1	13.1	0.0
-72.5°	106.5	81.1	55.4	34.4	22.9	11.5	0.0
-75°	84.9	63.0	40.8	29.6	19.8	9.9	0.0
-77.5°	63.0	44.6	32.9	24.7	16.5	8.3	0.0
-80°	40.8	32.9	26.4	19.8	13.3	6.6	0.0
-82.5°	29.6	24.7	19.8	14.9	10.0	5.0	0.0
-85°	19.8	16.5	13.3	10.0	6.7	3.3	0.0
-87.5°	9.9	8.3	6.6	5.0	3.3	1.7	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

