

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: P731266 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-3S-HEG**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731266 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-3S-HEG
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

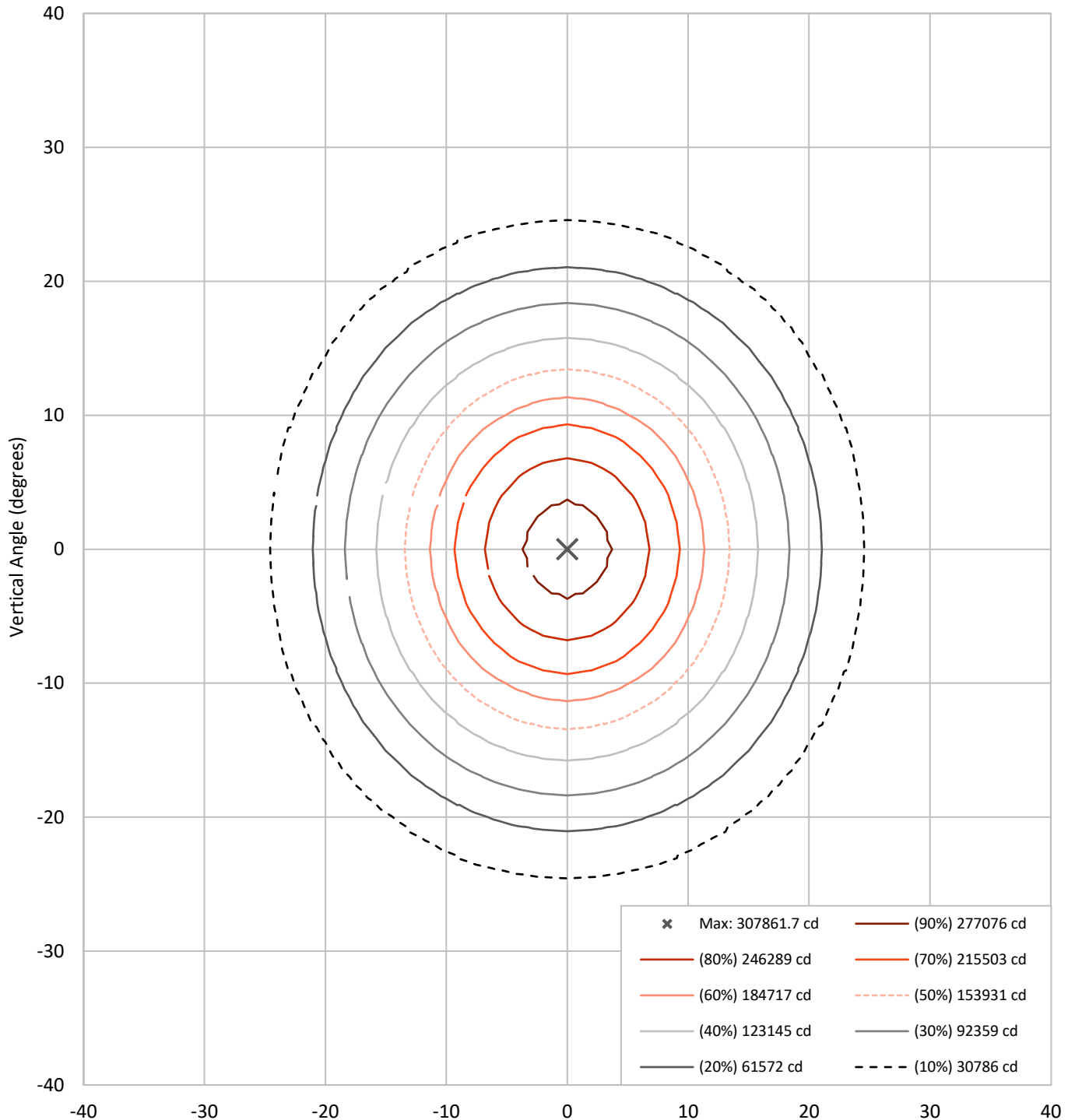
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	83149.3 lumens	Max Intensity:	307861.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	26.9°H x 26.9°V	Field Angle (10%):	48.9°H x 48.9°V
Beam Lumens:	36052.3 lumens	Field Lumens:	69022.1 lumens
Beam Efficiency:	43.4%	Field Efficiency:	83.0%

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





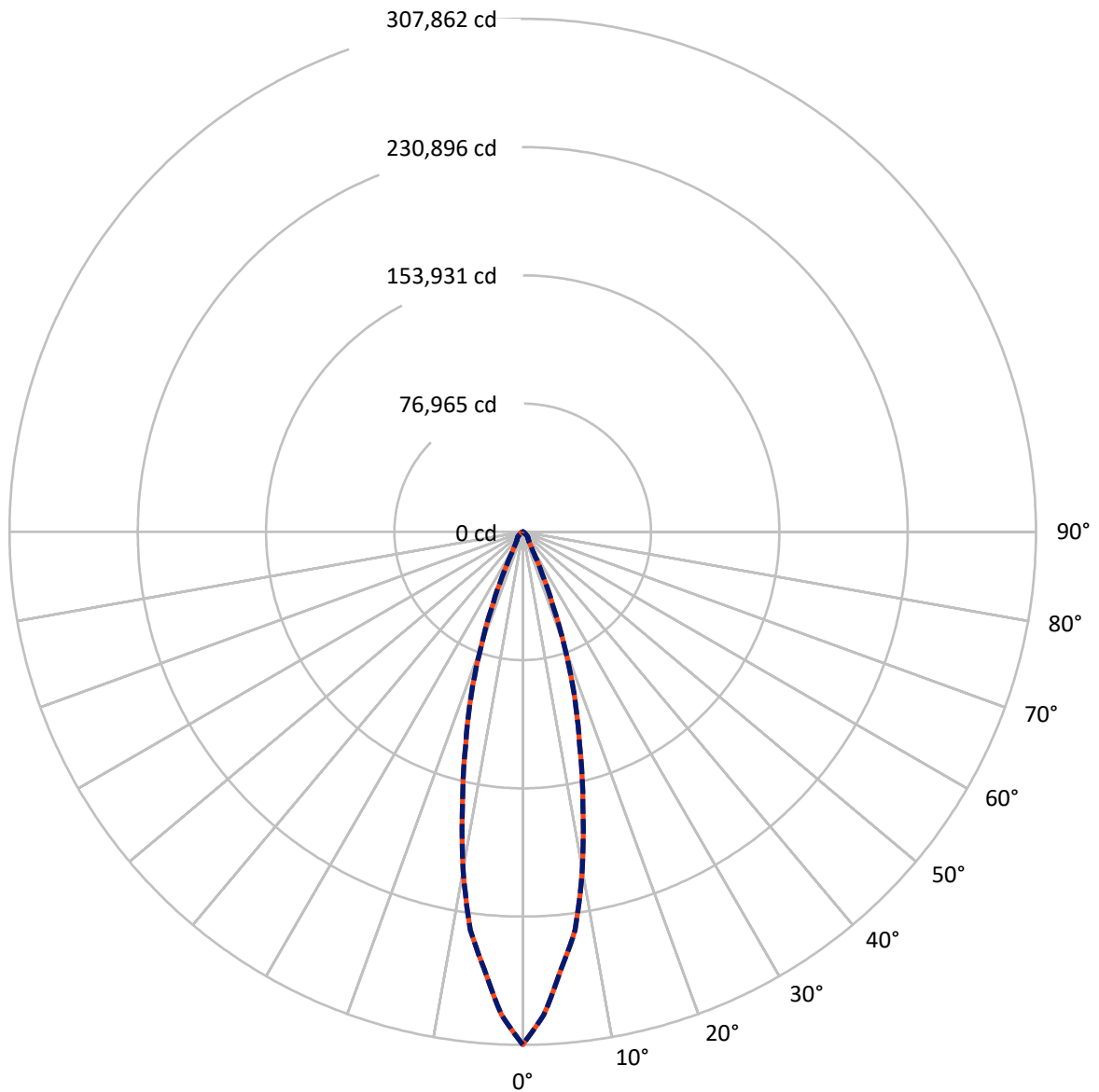
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Lumen Table

90	0.1	0.7	2.9	7.5	10.0	7.5	2.9	0.7	0.1										
80	0.1	0.7	2.9	7.5	10.0	7.5	2.9	0.7	0.1										
70	0.3	0.4	1.8	5.5	10.8	16.5	21.1	23.7	23.7	21.1	16.5	10.8	5.5	1.8	0.4	0.3			
60		1.4	6.4	15.2	26.0	37.1	46.0	50.8	50.8	46.0	37.1	26.0	15.2	6.4	1.4				
50	1.0	3.4	12.4	26.3	43.5	68.6	98.1	115.1	115.1	98.1	68.6	43.5	26.3	12.4	3.4	1.0			
40		5.8	18.4	37.7	76.9	126.6	162.8	191.3	191.3	162.8	126.6	76.9	37.7	18.4	5.8				
30	2.2	7.9	23.7	53.9	114.6	181.4	419.5	862.7	862.7	419.5	181.4	114.6	53.9	23.7	7.9	2.2			
20		9.5	27.6	72.6	138.5	396.0	1835.1	3674.9	3674.9	1835.1	396.0	138.5	72.6	27.6	9.5				
10	2.8	10.3	29.6	82.5	158.1	794.2	3574.3	7049.3	7049.3	3574.3	794.2	158.1	82.5	29.6	10.3	2.8			
0		10.3	29.6	82.5	158.1	794.2	3574.3	7049.3	7049.3	3574.3	794.2	158.1	82.5	29.6	10.3				
-10	2.2	9.5	27.6	72.6	138.5	396.0	1835.1	3674.9	3674.9	1835.1	396.0	138.5	72.6	27.6	9.5	2.2			
-20		7.9	23.7	53.9	114.6	181.4	419.5	862.7	862.7	419.5	181.4	114.6	53.9	23.7	7.9				
-30	1.0	5.8	18.4	37.7	76.9	126.6	162.8	191.3	191.3	162.8	126.6	76.9	37.7	18.4	5.8	1.0			
-40		3.4	12.4	26.3	43.5	68.6	98.1	115.1	115.1	98.1	68.6	43.5	26.3	12.4	3.4				
-50	0.3	1.4	6.4	15.2	26.0	37.1	46.0	50.8	50.8	46.0	37.1	26.0	15.2	6.4	1.4	0.3			
-60		0.4	1.8	5.5	10.8	16.5	21.1	23.7	23.7	21.1	16.5	10.8	5.5	1.8	0.4				
-70	0.1	0.4	1.8	5.5	10.8	16.5	21.1	23.7	23.7	21.1	16.5	10.8	5.5	1.8	0.4	0.1			
-80		0.1	0.7	2.9	7.5	10.0	7.5	2.9	0.7	0.1									
-90	0.1	0.7	2.9	7.5	10.0	7.5	2.9	0.7	0.1										

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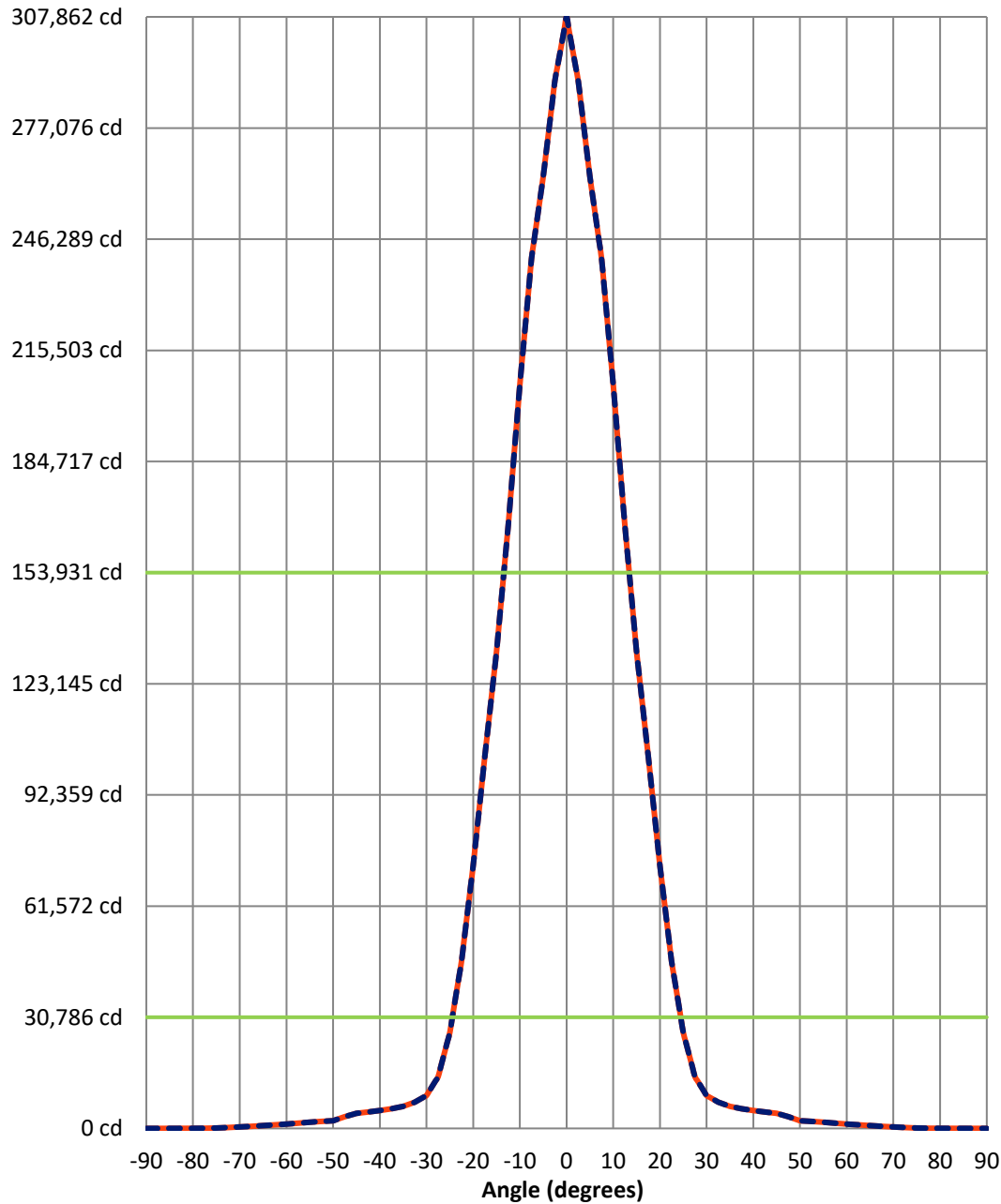
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 26.9°
V Angle: 26.9°
Lumens: 36052.3
Efficiency: 43.4%

Field:
H Angle: 48.9°
V Angle: 48.9°
Lumens: 69022.1
Efficiency: 83.0%

Spill:
Lumens: 14127.2
Efficiency: 17.0%

— 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
85°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.8	4.3	4.7
82.5°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.2	6.7
80°	0.0	1.0	1.9	2.9	3.9	4.8	5.7	6.4	7.1	7.8	8.5
77.5°	0.0	1.2	2.4	3.6	4.8	5.9	6.8	7.7	8.5	9.4	10.5
75°	0.0	1.4	2.9	4.3	5.7	6.8	7.9	8.9	10.0	11.7	13.4
72.5°	0.0	1.7	3.4	5.0	6.4	7.7	8.9	10.3	12.3	14.3	16.2
70°	0.0	1.9	3.8	5.7	7.1	8.5	10.0	12.3	14.6	16.9	20.0
67.5°	0.0	2.1	4.3	6.2	7.8	9.4	11.7	14.3	16.9	20.4	23.9
65°	0.0	2.4	4.7	6.7	8.5	10.5	13.4	16.2	20.0	23.9	28.9
62.5°	0.0	2.6	5.2	7.2	9.1	11.9	15.0	18.7	23.0	28.0	36.4
60°	0.0	2.8	5.6	7.7	9.8	13.2	16.6	21.3	26.0	34.7	43.8
57.5°	0.0	3.0	5.9	8.2	10.8	14.5	18.7	23.8	31.2	41.2	63.0
55°	0.0	3.2	6.2	8.6	11.8	15.8	20.9	26.3	36.9	51.0	87.2
52.5°	0.0	3.4	6.5	9.1	12.8	17.1	22.9	30.9	42.4	72.3	110.8
50°	0.0	3.6	6.8	9.5	13.7	18.7	24.9	35.6	51.6	92.9	153.8
47.5°	0.0	3.8	7.1	10.0	14.7	20.4	27.2	40.1	69.3	112.9	197.8
45°	0.0	4.0	7.3	10.6	15.5	21.9	30.9	44.4	86.3	150.5	240.2
42.5°	0.0	4.1	7.6	11.3	16.4	23.4	34.4	54.5	102.7	187.1	290.2
40°	0.0	4.3	7.8	11.9	17.4	24.8	37.9	68.2	123.3	222.1	339.5
37.5°	0.0	4.4	8.1	12.4	18.4	26.2	41.1	81.1	152.9	257.9	386.6
35°	0.0	4.6	8.3	13.0	19.5	28.3	44.2	93.4	180.8	297.8	430.8
32.5°	0.0	4.7	8.5	13.5	20.4	30.7	49.1	105.0	207.2	335.5	471.8
30°	0.0	4.8	8.7	14.0	21.3	32.9	58.3	118.3	231.8	370.8	510.3
27.5°	0.0	5.0	8.8	14.4	22.1	35.0	66.9	138.3	257.0	403.6	546.1
25°	0.0	5.1	9.0	14.8	22.9	36.9	74.8	156.6	283.7	433.3	579.5
22.5°	0.0	5.2	9.2	15.2	23.6	38.6	82.0	173.4	308.0	460.3	617.8
20°	0.0	5.3	9.3	15.5	24.2	40.2	88.5	188.5	330.0	484.6	652.3
17.5°	0.0	5.3	9.4	15.8	24.8	41.6	94.3	201.9	349.5	506.2	683.0
15°	0.0	5.4	9.5	16.1	25.3	42.8	99.3	213.5	366.5	525.0	709.8
12.5°	0.0	5.5	9.6	16.3	25.7	43.8	103.5	223.5	381.0	541.0	732.6
10°	0.0	5.5	9.7	16.5	26.0	44.7	107.0	231.6	392.8	554.2	751.3
7.5°	0.0	5.6	9.7	16.6	26.3	45.3	109.8	238.0	402.1	564.5	766.0
5°	0.0	5.6	9.8	16.7	26.4	45.8	111.7	242.5	408.8	571.9	776.5
2.5°	0.0	5.6	9.8	16.8	26.6	46.1	112.9	245.3	412.8	576.3	782.8
0°	0.0	5.6	9.8	16.8	26.6	46.2	113.3	246.2	414.1	577.8	784.9
-2.5°	0.0	5.6	9.8	16.8	26.6	46.1	112.9	245.3	412.8	576.3	782.8
-5°	0.0	5.6	9.8	16.7	26.4	45.8	111.7	242.5	408.8	571.9	776.5
-7.5°	0.0	5.6	9.7	16.6	26.3	45.3	109.8	238.0	402.1	564.5	766.0
-10°	0.0	5.5	9.7	16.5	26.0	44.7	107.0	231.6	392.8	554.2	751.3
-12.5°	0.0	5.5	9.6	16.3	25.7	43.8	103.5	223.5	381.0	541.0	732.6
-15°	0.0	5.4	9.5	16.1	25.3	42.8	99.3	213.5	366.5	525.0	709.8
-17.5°	0.0	5.3	9.4	15.8	24.8	41.6	94.3	201.9	349.5	506.2	683.0
-20°	0.0	5.3	9.3	15.5	24.2	40.2	88.5	188.5	330.0	484.6	652.3



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.2	9.2	15.2	23.6	38.6	82.0	173.4	308.0	460.3	617.8
-25°	0.0	5.1	9.0	14.8	22.9	36.9	74.8	156.6	283.7	433.3	579.5
-27.5°	0.0	5.0	8.8	14.4	22.1	35.0	66.9	138.3	257.0	403.6	546.1
-30°	0.0	4.8	8.7	14.0	21.3	32.9	58.3	118.3	231.8	370.8	510.3
-32.5°	0.0	4.7	8.5	13.5	20.4	30.7	49.1	105.0	207.2	335.5	471.8
-35°	0.0	4.6	8.3	13.0	19.5	28.3	44.2	93.4	180.8	297.8	430.8
-37.5°	0.0	4.4	8.1	12.4	18.4	26.2	41.1	81.1	152.9	257.9	386.6
-40°	0.0	4.3	7.8	11.9	17.4	24.8	37.9	68.2	123.3	222.1	339.5
-42.5°	0.0	4.1	7.6	11.3	16.4	23.4	34.4	54.5	102.7	187.1	290.2
-45°	0.0	4.0	7.3	10.6	15.5	21.9	30.9	44.4	86.3	150.5	240.2
-47.5°	0.0	3.8	7.1	10.0	14.7	20.4	27.2	40.1	69.3	112.9	197.8
-50°	0.0	3.6	6.8	9.5	13.7	18.7	24.9	35.6	51.6	92.9	153.8
-52.5°	0.0	3.4	6.5	9.1	12.8	17.1	22.9	30.9	42.4	72.3	110.8
-55°	0.0	3.2	6.2	8.6	11.8	15.8	20.9	26.3	36.9	51.0	87.2
-57.5°	0.0	3.0	5.9	8.2	10.8	14.5	18.7	23.8	31.2	41.2	63.0
-60°	0.0	2.8	5.6	7.7	9.8	13.2	16.6	21.3	26.0	34.7	43.8
-62.5°	0.0	2.6	5.2	7.2	9.1	11.9	15.0	18.7	23.0	28.0	36.4
-65°	0.0	2.4	4.7	6.7	8.5	10.5	13.4	16.2	20.0	23.9	28.9
-67.5°	0.0	2.1	4.3	6.2	7.8	9.4	11.7	14.3	16.9	20.4	23.9
-70°	0.0	1.9	3.8	5.7	7.1	8.5	10.0	12.3	14.6	16.9	20.0
-72.5°	0.0	1.7	3.4	5.0	6.4	7.7	8.9	10.3	12.3	14.3	16.2
-75°	0.0	1.4	2.9	4.3	5.7	6.8	7.9	8.9	10.0	11.7	13.4
-77.5°	0.0	1.2	2.4	3.6	4.8	5.9	6.8	7.7	8.5	9.4	10.5
-80°	0.0	1.0	1.9	2.9	3.9	4.8	5.7	6.4	7.1	7.8	8.5
-82.5°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.2	6.7
-85°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.8	4.3	4.7
-87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
-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°	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.1	4.3	4.4
85°	5.2	5.6	5.9	6.2	6.5	6.8	7.1	7.3	7.6	7.8	8.1
82.5°	7.2	7.7	8.2	8.6	9.1	9.5	10.0	10.6	11.3	11.9	12.4
80°	9.1	9.8	10.8	11.8	12.8	13.7	14.7	15.5	16.4	17.4	18.4
77.5°	11.9	13.2	14.5	15.8	17.1	18.7	20.4	21.9	23.4	24.8	26.2
75°	15.0	16.6	18.7	20.9	22.9	24.9	27.2	30.9	34.4	37.9	41.1
72.5°	18.7	21.3	23.8	26.3	30.9	35.6	40.1	44.4	54.5	68.2	81.1
70°	23.0	26.0	31.2	36.9	42.4	51.6	69.3	86.3	102.7	123.3	152.9
67.5°	28.0	34.7	41.2	51.0	72.3	92.9	112.9	150.5	187.1	222.1	257.9
65°	36.4	43.8	63.0	87.2	110.8	153.8	197.8	240.2	290.2	339.5	386.6
62.5°	44.7	69.0	96.3	132.3	183.8	233.8	291.7	350.8	407.6	460.9	511.6
60°	69.0	99.3	144.3	201.9	261.0	330.0	396.8	460.3	520.9	579.5	649.9
57.5°	96.3	144.3	207.9	276.4	353.1	427.5	498.2	566.6	647.1	727.3	804.4
55°	132.3	201.9	276.4	360.9	442.7	521.1	602.6	696.1	786.3	874.9	959.7
52.5°	183.8	261.0	353.1	442.7	528.8	622.2	725.7	826.9	925.9	1020.6	1109.7
50°	233.8	330.0	427.5	521.1	622.2	735.6	847.3	956.8	1061.1	1160.7	1269.2
47.5°	291.7	396.8	498.2	602.6	725.7	847.3	967.2	1081.5	1191.5	1320.7	1447.4
45°	350.8	460.3	566.6	696.1	826.9	956.8	1081.5	1201.9	1346.7	1488.2	1629.2
42.5°	407.6	520.9	647.1	786.3	925.9	1061.1	1191.5	1346.7	1502.0	1657.2	1792.8
40°	460.9	579.5	727.3	874.9	1020.6	1160.7	1320.7	1488.2	1657.2	1804.7	1936.9
37.5°	511.6	649.9	804.4	959.7	1109.7	1269.2	1447.4	1629.2	1792.8	1936.9	2053.9
35°	559.8	716.8	878.9	1039.3	1194.7	1382.4	1573.6	1757.3	1912.7	2043.6	2365.6
32.5°	612.5	780.1	949.4	1113.9	1292.8	1491.4	1694.2	1864.7	2013.0	2237.3	3023.6
30°	666.5	840.6	1015.2	1184.1	1386.9	1597.5	1793.8	1962.6	2103.2	2827.2	3581.0
27.5°	716.8	897.1	1075.4	1261.2	1475.9	1696.9	1883.0	2042.0	2504.5	3361.2	4072.1
25°	763.3	949.4	1131.2	1336.5	1561.3	1778.1	1962.1	2116.1	2992.2	3792.3	4321.3
22.5°	806.2	997.2	1182.3	1405.6	1639.7	1848.9	2025.6	2481.0	3409.3	4181.3	4497.5
20°	845.4	1039.3	1234.9	1468.7	1710.9	1913.2	2083.3	2863.3	3749.4	4331.6	4666.1
17.5°	880.2	1076.9	1286.0	1527.0	1765.8	1966.1	2178.2	3206.6	4055.4	4467.2	4821.7
15°	910.7	1109.7	1330.7	1578.1	1812.2	2008.0	2456.9	3463.2	4235.9	4589.3	4960.7
12.5°	936.6	1137.6	1368.8	1621.8	1851.9	2043.8	2695.6	3677.0	4331.1	4699.1	5106.7
10°	958.0	1160.7	1400.2	1657.7	1884.6	2073.4	2893.0	3854.0	4410.0	4790.3	5228.4
7.5°	974.7	1178.6	1424.8	1685.9	1910.2	2096.6	3047.9	3993.0	4472.1	4862.2	5324.4
5°	986.6	1191.5	1442.4	1706.1	1928.6	2113.3	3159.3	4093.1	4516.8	4914.0	5393.7
2.5°	993.8	1199.3	1453.0	1718.2	1939.7	2123.3	3226.4	4153.4	4543.8	4945.3	5435.7
0°	996.2	1201.9	1456.5	1722.3	1943.4	2126.7	3248.8	4173.6	4552.8	4955.8	5449.7
-2.5°	993.8	1199.3	1453.0	1718.2	1939.7	2123.3	3226.4	4153.4	4543.8	4945.3	5435.7
-5°	986.6	1191.5	1442.4	1706.1	1928.6	2113.3	3159.3	4093.1	4516.8	4914.0	5393.7
-7.5°	974.7	1178.6	1424.8	1685.9	1910.2	2096.6	3047.9	3993.0	4472.1	4862.2	5324.4
-10°	958.0	1160.7	1400.2	1657.7	1884.6	2073.4	2893.0	3854.0	4410.0	4790.3	5228.4
-12.5°	936.6	1137.6	1368.8	1621.8	1851.9	2043.8	2695.6	3677.0	4331.1	4699.1	5106.7
-15°	910.7	1109.7	1330.7	1578.1	1812.2	2008.0	2456.9	3463.2	4235.9	4589.3	4960.7
-17.5°	880.2	1076.9	1286.0	1527.0	1765.8	1966.1	2178.2	3206.6	4055.4	4467.2	4821.7
-20°	845.4	1039.3	1234.9	1468.7	1710.9	1913.2	2083.3	2863.3	3749.4	4331.6	4666.1



REPORT NUMBER: P731266 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	806.2	997.2	1182.3	1405.6	1639.7	1848.9	2025.6	2481.0	3409.3	4181.3	4497.5
-25°	763.3	949.4	1131.2	1336.5	1561.3	1778.1	1962.1	2116.1	2992.2	3792.3	4321.3
-27.5°	716.8	897.1	1075.4	1261.2	1475.9	1696.9	1883.0	2042.0	2504.5	3361.2	4072.1
-30°	666.5	840.6	1015.2	1184.1	1386.9	1597.5	1793.8	1962.6	2103.2	2827.2	3581.0
-32.5°	612.5	780.1	949.4	1113.9	1292.8	1491.4	1694.2	1864.7	2013.0	2237.3	3023.6
-35°	559.8	716.8	878.9	1039.3	1194.7	1382.4	1573.6	1757.3	1912.7	2043.6	2365.6
-37.5°	511.6	649.9	804.4	959.7	1109.7	1269.2	1447.4	1629.2	1792.8	1936.9	2053.9
-40°	460.9	579.5	727.3	874.9	1020.6	1160.7	1320.7	1488.2	1657.2	1804.7	1936.9
-42.5°	407.6	520.9	647.1	786.3	925.9	1061.1	1191.5	1346.7	1502.0	1657.2	1792.8
-45°	350.8	460.3	566.6	696.1	826.9	956.8	1081.5	1201.9	1346.7	1488.2	1629.2
-47.5°	291.7	396.8	498.2	602.6	725.7	847.3	967.2	1081.5	1191.5	1320.7	1447.4
-50°	233.8	330.0	427.5	521.1	622.2	735.6	847.3	956.8	1061.1	1160.7	1269.2
-52.5°	183.8	261.0	353.1	442.7	528.8	622.2	725.7	826.9	925.9	1020.6	1109.7
-55°	132.3	201.9	276.4	360.9	442.7	521.1	602.6	696.1	786.3	874.9	959.7
-57.5°	96.3	144.3	207.9	276.4	353.1	427.5	498.2	566.6	647.1	727.3	804.4
-60°	69.0	99.3	144.3	201.9	261.0	330.0	396.8	460.3	520.9	579.5	649.9
-62.5°	44.7	69.0	96.3	132.3	183.8	233.8	291.7	350.8	407.6	460.9	511.6
-65°	36.4	43.8	63.0	87.2	110.8	153.8	197.8	240.2	290.2	339.5	386.6
-67.5°	28.0	34.7	41.2	51.0	72.3	92.9	112.9	150.5	187.1	222.1	257.9
-70°	23.0	26.0	31.2	36.9	42.4	51.6	69.3	86.3	102.7	123.3	152.9
-72.5°	18.7	21.3	23.8	26.3	30.9	35.6	40.1	44.4	54.5	68.2	81.1
-75°	15.0	16.6	18.7	20.9	22.9	24.9	27.2	30.9	34.4	37.9	41.1
-77.5°	11.9	13.2	14.5	15.8	17.1	18.7	20.4	21.9	23.4	24.8	26.2
-80°	9.1	9.8	10.8	11.8	12.8	13.7	14.7	15.5	16.4	17.4	18.4
-82.5°	7.2	7.7	8.2	8.6	9.1	9.5	10.0	10.6	11.3	11.9	12.4
-85°	5.2	5.6	5.9	6.2	6.5	6.8	7.1	7.3	7.6	7.8	8.1
-87.5°	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.1	4.3	4.4
-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: P731266 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-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°	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5
85°	8.3	8.5	8.7	8.8	9.0	9.2	9.3	9.4	9.5	9.6	9.7
82.5°	13.0	13.5	14.0	14.4	14.8	15.2	15.5	15.8	16.1	16.3	16.5
80°	19.5	20.4	21.3	22.1	22.9	23.6	24.2	24.8	25.3	25.7	26.0
77.5°	28.3	30.7	32.9	35.0	36.9	38.6	40.2	41.6	42.8	43.8	44.7
75°	44.2	49.1	58.3	66.9	74.8	82.0	88.5	94.3	99.3	103.5	107.0
72.5°	93.4	105.0	118.3	138.3	156.6	173.4	188.5	201.9	213.5	223.5	231.6
70°	180.8	207.2	231.8	257.0	283.7	308.0	330.0	349.5	366.5	381.0	392.8
67.5°	297.8	335.5	370.8	403.6	433.3	460.3	484.6	506.2	525.0	541.0	554.2
65°	430.8	471.8	510.3	546.1	579.5	617.8	652.3	683.0	709.8	732.6	751.3
62.5°	559.8	612.5	666.5	716.8	763.3	806.2	845.4	880.2	910.7	936.6	958.0
60°	716.8	780.1	840.6	897.1	949.4	997.2	1039.3	1076.9	1109.7	1137.6	1160.7
57.5°	878.9	949.4	1015.2	1075.4	1131.2	1182.3	1234.9	1286.0	1330.7	1368.8	1400.2
55°	1039.3	1113.9	1184.1	1261.2	1336.5	1405.6	1468.7	1527.0	1578.1	1621.8	1657.7
52.5°	1194.7	1292.8	1386.9	1475.9	1561.3	1639.7	1710.9	1765.8	1812.2	1851.9	1884.6
50°	1382.4	1491.4	1597.5	1696.9	1778.1	1848.9	1913.2	1966.1	2008.0	2043.8	2073.4
47.5°	1573.6	1694.2	1793.8	1883.0	1962.1	2025.6	2083.3	2178.2	2456.9	2695.6	2893.0
45°	1757.3	1864.7	1962.6	2042.0	2116.1	2481.0	2863.3	3206.6	3463.2	3677.0	3854.0
42.5°	1912.7	2013.0	2103.2	2504.5	2992.2	3409.3	3749.4	4055.4	4235.9	4331.1	4410.0
40°	2043.6	2237.3	2827.2	3361.2	3792.3	4181.3	4331.6	4467.2	4589.3	4699.1	4790.3
37.5°	2365.6	3023.6	3581.0	4072.1	4321.3	4497.5	4666.1	4821.7	4960.7	5106.7	5228.4
35°	3089.5	3692.2	4201.9	4416.6	4623.2	4824.1	5021.3	5227.3	5410.5	5608.4	5784.5
32.5°	3692.2	4225.4	4464.8	4702.0	4931.8	5190.2	5434.4	5724.8	5988.6	6305.5	6647.8
30°	4201.9	4464.8	4728.6	4993.4	5293.6	5617.7	5966.4	6426.0	6935.9	7440.1	8024.7
27.5°	4416.6	4702.0	4993.4	5328.5	5713.4	6121.8	6789.8	7476.2	8340.9	9099.4	10923.3
25°	4623.2	4931.8	5293.6	5713.4	6211.0	6975.2	7927.2	8963.8	11389.6	13757.9	17714.1
22.5°	4824.1	5190.2	5617.7	6121.8	6975.2	8079.7	9616.0	12813.8	17627.3	23704.4	30348.3
20°	5021.3	5434.4	5966.4	6789.8	7927.2	9616.0	13296.9	20006.8	28003.6	38750.2	48670.5
17.5°	5227.3	5724.8	6426.0	7476.2	8963.8	12813.8	20006.8	30057.7	43106.1	57990.6	71948.0
15°	5410.5	5988.6	6935.9	8340.9	11389.6	17627.3	28003.6	43106.1	61187.3	79639.6	97442.3
12.5°	5608.4	6305.5	7440.1	9099.4	13757.9	23704.4	38750.2	57990.6	79639.6	101766.2	120923.6
10°	5784.5	6647.8	8024.7	10923.3	17714.1	30348.3	48670.5	71948.0	97442.3	120923.6	143777.4
7.5°	5923.7	6919.2	8490.0	12386.0	21500.5	37122.6	58899.1	84972.6	111958.5	137982.5	167203.8
5°	6024.5	7116.1	8828.3	13453.3	24275.9	42116.7	66498.3	94838.7	122831.2	153167.9	186592.0
2.5°	6085.5	7235.5	9033.9	14103.3	25971.3	45180.6	71187.5	100976.7	129677.0	163358.3	200822.5
0°	6105.9	7275.5	9102.8	14321.6	26541.7	46213.7	72773.6	103062.2	132018.9	166872.9	205943.9
-2.5°	6085.5	7235.5	9033.9	14103.3	25971.3	45180.6	71187.5	100976.7	129677.0	163358.3	200822.5
-5°	6024.5	7116.1	8828.3	13453.3	24275.9	42116.7	66498.3	94838.7	122831.2	153167.9	186592.0
-7.5°	5923.7	6919.2	8490.0	12386.0	21500.5	37122.6	58899.1	84972.6	111958.5	137982.5	167203.8
-10°	5784.5	6647.8	8024.7	10923.3	17714.1	30348.3	48670.5	71948.0	97442.3	120923.6	143777.4
-12.5°	5608.4	6305.5	7440.1	9099.4	13757.9	23704.4	38750.2	57990.6	79639.6	101766.2	120923.6
-15°	5410.5	5988.6	6935.9	8340.9	11389.6	17627.3	28003.6	43106.1	61187.3	79639.6	97442.3
-17.5°	5227.3	5724.8	6426.0	7476.2	8963.8	12813.8	20006.8	30057.7	43106.1	57990.6	71948.0
-20°	5021.3	5434.4	5966.4	6789.8	7927.2	9616.0	13296.9	20006.8	28003.6	38750.2	48670.5



REPORT NUMBER: P731266 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4824.1	5190.2	5617.7	6121.8	6975.2	8079.7	9616.0	12813.8	17627.3	23704.4	30348.3
-25°	4623.2	4931.8	5293.6	5713.4	6211.0	6975.2	7927.2	8963.8	11389.6	13757.9	17714.1
-27.5°	4416.6	4702.0	4993.4	5328.5	5713.4	6121.8	6789.8	7476.2	8340.9	9099.4	10923.3
-30°	4201.9	4464.8	4728.6	4993.4	5293.6	5617.7	5966.4	6426.0	6935.9	7440.1	8024.7
-32.5°	3692.2	4225.4	4464.8	4702.0	4931.8	5190.2	5434.4	5724.8	5988.6	6305.5	6647.8
-35°	3089.5	3692.2	4201.9	4416.6	4623.2	4824.1	5021.3	5227.3	5410.5	5608.4	5784.5
-37.5°	2365.6	3023.6	3581.0	4072.1	4321.3	4497.5	4666.1	4821.7	4960.7	5106.7	5228.4
-40°	2043.6	2237.3	2827.2	3361.2	3792.3	4181.3	4331.6	4467.2	4589.3	4699.1	4790.3
-42.5°	1912.7	2013.0	2103.2	2504.5	2992.2	3409.3	3749.4	4055.4	4235.9	4331.1	4410.0
-45°	1757.3	1864.7	1962.6	2042.0	2116.1	2481.0	2863.3	3206.6	3463.2	3677.0	3854.0
-47.5°	1573.6	1694.2	1793.8	1883.0	1962.1	2025.6	2083.3	2178.2	2456.9	2695.6	2893.0
-50°	1382.4	1491.4	1597.5	1696.9	1778.1	1848.9	1913.2	1966.1	2008.0	2043.8	2073.4
-52.5°	1194.7	1292.8	1386.9	1475.9	1561.3	1639.7	1710.9	1765.8	1812.2	1851.9	1884.6
-55°	1039.3	1113.9	1184.1	1261.2	1336.5	1405.6	1468.7	1527.0	1578.1	1621.8	1657.7
-57.5°	878.9	949.4	1015.2	1075.4	1131.2	1182.3	1234.9	1286.0	1330.7	1368.8	1400.2
-60°	716.8	780.1	840.6	897.1	949.4	997.2	1039.3	1076.9	1109.7	1137.6	1160.7
-62.5°	559.8	612.5	666.5	716.8	763.3	806.2	845.4	880.2	910.7	936.6	958.0
-65°	430.8	471.8	510.3	546.1	579.5	617.8	652.3	683.0	709.8	732.6	751.3
-67.5°	297.8	335.5	370.8	403.6	433.3	460.3	484.6	506.2	525.0	541.0	554.2
-70°	180.8	207.2	231.8	257.0	283.7	308.0	330.0	349.5	366.5	381.0	392.8
-72.5°	93.4	105.0	118.3	138.3	156.6	173.4	188.5	201.9	213.5	223.5	231.6
-75°	44.2	49.1	58.3	66.9	74.8	82.0	88.5	94.3	99.3	103.5	107.0
-77.5°	28.3	30.7	32.9	35.0	36.9	38.6	40.2	41.6	42.8	43.8	44.7
-80°	19.5	20.4	21.3	22.1	22.9	23.6	24.2	24.8	25.3	25.7	26.0
-82.5°	13.0	13.5	14.0	14.4	14.8	15.2	15.5	15.8	16.1	16.3	16.5
-85°	8.3	8.5	8.7	8.8	9.0	9.2	9.3	9.4	9.5	9.6	9.7
-87.5°	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5
-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: P731266 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.3
85°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.4
82.5°	16.6	16.7	16.8	16.8	16.8	16.7	16.6	16.5	16.3	16.1	15.8
80°	26.3	26.4	26.6	26.6	26.6	26.4	26.3	26.0	25.7	25.3	24.8
77.5°	45.3	45.8	46.1	46.2	46.1	45.8	45.3	44.7	43.8	42.8	41.6
75°	109.8	111.7	112.9	113.3	112.9	111.7	109.8	107.0	103.5	99.3	94.3
72.5°	238.0	242.5	245.3	246.2	245.3	242.5	238.0	231.6	223.5	213.5	201.9
70°	402.1	408.8	412.8	414.1	412.8	408.8	402.1	392.8	381.0	366.5	349.5
67.5°	564.5	571.9	576.3	577.8	576.3	571.9	564.5	554.2	541.0	525.0	506.2
65°	766.0	776.5	782.8	784.9	782.8	776.5	766.0	751.3	732.6	709.8	683.0
62.5°	974.7	986.6	993.8	996.2	993.8	986.6	974.7	958.0	936.6	910.7	880.2
60°	1178.6	1191.5	1199.3	1201.9	1199.3	1191.5	1178.6	1160.7	1137.6	1109.7	1076.9
57.5°	1424.8	1442.4	1453.0	1456.5	1453.0	1442.4	1424.8	1400.2	1368.8	1330.7	1286.0
55°	1685.9	1706.1	1718.2	1722.3	1718.2	1706.1	1685.9	1657.7	1621.8	1578.1	1527.0
52.5°	1910.2	1928.6	1939.7	1943.4	1939.7	1928.6	1910.2	1884.6	1851.9	1812.2	1765.8
50°	2096.6	2113.3	2123.3	2126.7	2123.3	2113.3	2096.6	2073.4	2043.8	2008.0	1966.1
47.5°	3047.9	3159.3	3226.4	3248.8	3226.4	3159.3	3047.9	2893.0	2695.6	2456.9	2178.2
45°	3993.0	4093.1	4153.4	4173.6	4153.4	4093.1	3993.0	3854.0	3677.0	3463.2	3206.6
42.5°	4472.1	4516.8	4543.8	4552.8	4543.8	4516.8	4472.1	4410.0	4331.1	4235.9	4055.4
40°	4862.2	4914.0	4945.3	4955.8	4945.3	4914.0	4862.2	4790.3	4699.1	4589.3	4467.2
37.5°	5324.4	5393.7	5435.7	5449.7	5435.7	5393.7	5324.4	5228.4	5106.7	4960.7	4821.7
35°	5923.7	6024.5	6085.5	6105.9	6085.5	6024.5	5923.7	5784.5	5608.4	5410.5	5227.3
32.5°	6919.2	7116.1	7235.5	7275.5	7235.5	7116.1	6919.2	6647.8	6305.5	5988.6	5724.8
30°	8490.0	8828.3	9033.9	9102.8	9033.9	8828.3	8490.0	8024.7	7440.1	6935.9	6426.0
27.5°	12386.0	13453.3	14103.3	14321.6	14103.3	13453.3	12386.0	10923.3	9099.4	8340.9	7476.2
25°	21500.5	24275.9	25971.3	26541.7	25971.3	24275.9	21500.5	17714.1	13757.9	11389.6	8963.8
22.5°	37122.6	42116.7	45180.6	46213.7	45180.6	42116.7	37122.6	30348.3	23704.4	17627.3	12813.8
20°	58899.1	66498.3	71187.5	72773.6	71187.5	66498.3	58899.1	48670.5	38750.2	28003.6	20006.8
17.5°	84972.6	94838.7	100976.7	103062.2	100976.7	94838.7	84972.6	71948.0	57990.6	43106.1	30057.7
15°	111958.5	122831.2	129677.0	132018.9	129677.0	122831.2	111958.5	97442.3	79639.6	61187.3	43106.1
12.5°	137982.5	153167.9	163358.3	166872.9	163358.3	153167.9	137982.5	120923.6	101766.2	79639.6	57990.6
10°	167203.8	186592.0	200822.5	205943.9	200822.5	186592.0	167203.8	143777.4	120923.6	97442.3	71948.0
7.5°	196002.7	222176.3	236654.2	240952.6	236654.2	222176.3	196002.7	167203.8	137982.5	111958.5	84972.6
5°	222176.3	245570.5	258961.4	263594.2	258961.4	245570.5	222176.3	186592.0	153167.9	122831.2	94838.7
2.5°	236654.2	258961.4	277549.4	290162.5	277549.4	258961.4	236654.2	200822.5	163358.3	129677.0	100976.7
0°	240952.6	263594.2	290162.5	307861.7	290162.5	263594.2	240952.6	205943.9	166872.9	132018.9	103062.2
-2.5°	236654.2	258961.4	277549.4	290162.5	277549.4	258961.4	236654.2	200822.5	163358.3	129677.0	100976.7
-5°	222176.3	245570.5	258961.4	263594.2	258961.4	245570.5	222176.3	186592.0	153167.9	122831.2	94838.7
-7.5°	196002.7	222176.3	236654.2	240952.6	236654.2	222176.3	196002.7	167203.8	137982.5	111958.5	84972.6
-10°	167203.8	186592.0	200822.5	205943.9	200822.5	186592.0	167203.8	143777.4	120923.6	97442.3	71948.0
-12.5°	137982.5	153167.9	163358.3	166872.9	163358.3	153167.9	137982.5	120923.6	101766.2	79639.6	57990.6
-15°	111958.5	122831.2	129677.0	132018.9	129677.0	122831.2	111958.5	97442.3	79639.6	61187.3	43106.1
-17.5°	84972.6	94838.7	100976.7	103062.2	100976.7	94838.7	84972.6	71948.0	57990.6	43106.1	30057.7
-20°	58899.1	66498.3	71187.5	72773.6	71187.5	66498.3	58899.1	48670.5	38750.2	28003.6	20006.8



REPORT NUMBER: P731266 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	37122.6	42116.7	45180.6	46213.7	45180.6	42116.7	37122.6	30348.3	23704.4	17627.3	12813.8
-25°	21500.5	24275.9	25971.3	26541.7	25971.3	24275.9	21500.5	17714.1	13757.9	11389.6	8963.8
-27.5°	12386.0	13453.3	14103.3	14321.6	14103.3	13453.3	12386.0	10923.3	9099.4	8340.9	7476.2
-30°	8490.0	8828.3	9033.9	9102.8	9033.9	8828.3	8490.0	8024.7	7440.1	6935.9	6426.0
-32.5°	6919.2	7116.1	7235.5	7275.5	7235.5	7116.1	6919.2	6647.8	6305.5	5988.6	5724.8
-35°	5923.7	6024.5	6085.5	6105.9	6085.5	6024.5	5923.7	5784.5	5608.4	5410.5	5227.3
-37.5°	5324.4	5393.7	5435.7	5449.7	5435.7	5393.7	5324.4	5228.4	5106.7	4960.7	4821.7
-40°	4862.2	4914.0	4945.3	4955.8	4945.3	4914.0	4862.2	4790.3	4699.1	4589.3	4467.2
-42.5°	4472.1	4516.8	4543.8	4552.8	4543.8	4516.8	4472.1	4410.0	4331.1	4235.9	4055.4
-45°	3993.0	4093.1	4153.4	4173.6	4153.4	4093.1	3993.0	3854.0	3677.0	3463.2	3206.6
-47.5°	3047.9	3159.3	3226.4	3248.8	3226.4	3159.3	3047.9	2893.0	2695.6	2456.9	2178.2
-50°	2096.6	2113.3	2123.3	2126.7	2123.3	2113.3	2096.6	2073.4	2043.8	2008.0	1966.1
-52.5°	1910.2	1928.6	1939.7	1943.4	1939.7	1928.6	1910.2	1884.6	1851.9	1812.2	1765.8
-55°	1685.9	1706.1	1718.2	1722.3	1718.2	1706.1	1685.9	1657.7	1621.8	1578.1	1527.0
-57.5°	1424.8	1442.4	1453.0	1456.5	1453.0	1442.4	1424.8	1400.2	1368.8	1330.7	1286.0
-60°	1178.6	1191.5	1199.3	1201.9	1199.3	1191.5	1178.6	1160.7	1137.6	1109.7	1076.9
-62.5°	974.7	986.6	993.8	996.2	993.8	986.6	974.7	958.0	936.6	910.7	880.2
-65°	766.0	776.5	782.8	784.9	782.8	776.5	766.0	751.3	732.6	709.8	683.0
-67.5°	564.5	571.9	576.3	577.8	576.3	571.9	564.5	554.2	541.0	525.0	506.2
-70°	402.1	408.8	412.8	414.1	412.8	408.8	402.1	392.8	381.0	366.5	349.5
-72.5°	238.0	242.5	245.3	246.2	245.3	242.5	238.0	231.6	223.5	213.5	201.9
-75°	109.8	111.7	112.9	113.3	112.9	111.7	109.8	107.0	103.5	99.3	94.3
-77.5°	45.3	45.8	46.1	46.2	46.1	45.8	45.3	44.7	43.8	42.8	41.6
-80°	26.3	26.4	26.6	26.6	26.6	26.4	26.3	26.0	25.7	25.3	24.8
-82.5°	16.6	16.7	16.8	16.8	16.8	16.7	16.6	16.5	16.3	16.1	15.8
-85°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.4
-87.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	5.2	5.1	5.0	4.8	4.7	4.6	4.4	4.3	4.1	4.0
85°	9.3	9.2	9.0	8.8	8.7	8.5	8.3	8.1	7.8	7.6	7.3
82.5°	15.5	15.2	14.8	14.4	14.0	13.5	13.0	12.4	11.9	11.3	10.6
80°	24.2	23.6	22.9	22.1	21.3	20.4	19.5	18.4	17.4	16.4	15.5
77.5°	40.2	38.6	36.9	35.0	32.9	30.7	28.3	26.2	24.8	23.4	21.9
75°	88.5	82.0	74.8	66.9	58.3	49.1	44.2	41.1	37.9	34.4	30.9
72.5°	188.5	173.4	156.6	138.3	118.3	105.0	93.4	81.1	68.2	54.5	44.4
70°	330.0	308.0	283.7	257.0	231.8	207.2	180.8	152.9	123.3	102.7	86.3
67.5°	484.6	460.3	433.3	403.6	370.8	335.5	297.8	257.9	222.1	187.1	150.5
65°	652.3	617.8	579.5	546.1	510.3	471.8	430.8	386.6	339.5	290.2	240.2
62.5°	845.4	806.2	763.3	716.8	666.5	612.5	559.8	511.6	460.9	407.6	350.8
60°	1039.3	997.2	949.4	897.1	840.6	780.1	716.8	649.9	579.5	520.9	460.3
57.5°	1234.9	1182.3	1131.2	1075.4	1015.2	949.4	878.9	804.4	727.3	647.1	566.6
55°	1468.7	1405.6	1336.5	1261.2	1184.1	1113.9	1039.3	959.7	874.9	786.3	696.1
52.5°	1710.9	1639.7	1561.3	1475.9	1386.9	1292.8	1194.7	1109.7	1020.6	925.9	826.9
50°	1913.2	1848.9	1778.1	1696.9	1597.5	1491.4	1382.4	1269.2	1160.7	1061.1	956.8
47.5°	2083.3	2025.6	1962.1	1883.0	1793.8	1694.2	1573.6	1447.4	1320.7	1191.5	1081.5
45°	2863.3	2481.0	2116.1	2042.0	1962.6	1864.7	1757.3	1629.2	1488.2	1346.7	1201.9
42.5°	3749.4	3409.3	2992.2	2504.5	2103.2	2013.0	1912.7	1792.8	1657.2	1502.0	1346.7
40°	4331.6	4181.3	3792.3	3361.2	2827.2	2237.3	2043.6	1936.9	1804.7	1657.2	1488.2
37.5°	4666.1	4497.5	4321.3	4072.1	3581.0	3023.6	2365.6	2053.9	1936.9	1792.8	1629.2
35°	5021.3	4824.1	4623.2	4416.6	4201.9	3692.2	3089.5	2365.6	2043.6	1912.7	1757.3
32.5°	5434.4	5190.2	4931.8	4702.0	4464.8	4225.4	3692.2	3023.6	2237.3	2013.0	1864.7
30°	5966.4	5617.7	5293.6	4993.4	4728.6	4464.8	4201.9	3581.0	2827.2	2103.2	1962.6
27.5°	6789.8	6121.8	5713.4	5328.5	4993.4	4702.0	4416.6	4072.1	3361.2	2504.5	2042.0
25°	7927.2	6975.2	6211.0	5713.4	5293.6	4931.8	4623.2	4321.3	3792.3	2992.2	2116.1
22.5°	9616.0	8079.7	6975.2	6121.8	5617.7	5190.2	4824.1	4497.5	4181.3	3409.3	2481.0
20°	13296.9	9616.0	7927.2	6789.8	5966.4	5434.4	5021.3	4666.1	4331.6	3749.4	2863.3
17.5°	20006.8	12813.8	8963.8	7476.2	6426.0	5724.8	5227.3	4821.7	4467.2	4055.4	3206.6
15°	28003.6	17627.3	11389.6	8340.9	6935.9	5988.6	5410.5	4960.7	4589.3	4235.9	3463.2
12.5°	38750.2	23704.4	13757.9	9099.4	7440.1	6305.5	5608.4	5106.7	4699.1	4331.1	3677.0
10°	48670.5	30348.3	17714.1	10923.3	8024.7	6647.8	5784.5	5228.4	4790.3	4410.0	3854.0
7.5°	58899.1	37122.6	21500.5	12386.0	8490.0	6919.2	5923.7	5324.4	4862.2	4472.1	3993.0
5°	66498.3	42116.7	24275.9	13453.3	8828.3	7116.1	6024.5	5393.7	4914.0	4516.8	4093.1
2.5°	71187.5	45180.6	25971.3	14103.3	9033.9	7235.5	6085.5	5435.7	4945.3	4543.8	4153.4
0°	72773.6	46213.7	26541.7	14321.6	9102.8	7275.5	6105.9	5449.7	4955.8	4552.8	4173.6
-2.5°	71187.5	45180.6	25971.3	14103.3	9033.9	7235.5	6085.5	5435.7	4945.3	4543.8	4153.4
-5°	66498.3	42116.7	24275.9	13453.3	8828.3	7116.1	6024.5	5393.7	4914.0	4516.8	4093.1
-7.5°	58899.1	37122.6	21500.5	12386.0	8490.0	6919.2	5923.7	5324.4	4862.2	4472.1	3993.0
-10°	48670.5	30348.3	17714.1	10923.3	8024.7	6647.8	5784.5	5228.4	4790.3	4410.0	3854.0
-12.5°	38750.2	23704.4	13757.9	9099.4	7440.1	6305.5	5608.4	5106.7	4699.1	4331.1	3677.0
-15°	28003.6	17627.3	11389.6	8340.9	6935.9	5988.6	5410.5	4960.7	4589.3	4235.9	3463.2
-17.5°	20006.8	12813.8	8963.8	7476.2	6426.0	5724.8	5227.3	4821.7	4467.2	4055.4	3206.6
-20°	13296.9	9616.0	7927.2	6789.8	5966.4	5434.4	5021.3	4666.1	4331.6	3749.4	2863.3



REPORT NUMBER: P731266 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9616.0	8079.7	6975.2	6121.8	5617.7	5190.2	4824.1	4497.5	4181.3	3409.3	2481.0
-25°	7927.2	6975.2	6211.0	5713.4	5293.6	4931.8	4623.2	4321.3	3792.3	2992.2	2116.1
-27.5°	6789.8	6121.8	5713.4	5328.5	4993.4	4702.0	4416.6	4072.1	3361.2	2504.5	2042.0
-30°	5966.4	5617.7	5293.6	4993.4	4728.6	4464.8	4201.9	3581.0	2827.2	2103.2	1962.6
-32.5°	5434.4	5190.2	4931.8	4702.0	4464.8	4225.4	3692.2	3023.6	2237.3	2013.0	1864.7
-35°	5021.3	4824.1	4623.2	4416.6	4201.9	3692.2	3089.5	2365.6	2043.6	1912.7	1757.3
-37.5°	4666.1	4497.5	4321.3	4072.1	3581.0	3023.6	2365.6	2053.9	1936.9	1792.8	1629.2
-40°	4331.6	4181.3	3792.3	3361.2	2827.2	2237.3	2043.6	1936.9	1804.7	1657.2	1488.2
-42.5°	3749.4	3409.3	2992.2	2504.5	2103.2	2013.0	1912.7	1792.8	1657.2	1502.0	1346.7
-45°	2863.3	2481.0	2116.1	2042.0	1962.6	1864.7	1757.3	1629.2	1488.2	1346.7	1201.9
-47.5°	2083.3	2025.6	1962.1	1883.0	1793.8	1694.2	1573.6	1447.4	1320.7	1191.5	1081.5
-50°	1913.2	1848.9	1778.1	1696.9	1597.5	1491.4	1382.4	1269.2	1160.7	1061.1	956.8
-52.5°	1710.9	1639.7	1561.3	1475.9	1386.9	1292.8	1194.7	1109.7	1020.6	925.9	826.9
-55°	1468.7	1405.6	1336.5	1261.2	1184.1	1113.9	1039.3	959.7	874.9	786.3	696.1
-57.5°	1234.9	1182.3	1131.2	1075.4	1015.2	949.4	878.9	804.4	727.3	647.1	566.6
-60°	1039.3	997.2	949.4	897.1	840.6	780.1	716.8	649.9	579.5	520.9	460.3
-62.5°	845.4	806.2	763.3	716.8	666.5	612.5	559.8	511.6	460.9	407.6	350.8
-65°	652.3	617.8	579.5	546.1	510.3	471.8	430.8	386.6	339.5	290.2	240.2
-67.5°	484.6	460.3	433.3	403.6	370.8	335.5	297.8	257.9	222.1	187.1	150.5
-70°	330.0	308.0	283.7	257.0	231.8	207.2	180.8	152.9	123.3	102.7	86.3
-72.5°	188.5	173.4	156.6	138.3	118.3	105.0	93.4	81.1	68.2	54.5	44.4
-75°	88.5	82.0	74.8	66.9	58.3	49.1	44.2	41.1	37.9	34.4	30.9
-77.5°	40.2	38.6	36.9	35.0	32.9	30.7	28.3	26.2	24.8	23.4	21.9
-80°	24.2	23.6	22.9	22.1	21.3	20.4	19.5	18.4	17.4	16.4	15.5
-82.5°	15.5	15.2	14.8	14.4	14.0	13.5	13.0	12.4	11.9	11.3	10.6
-85°	9.3	9.2	9.0	8.8	8.7	8.5	8.3	8.1	7.8	7.6	7.3
-87.5°	5.3	5.2	5.1	5.0	4.8	4.7	4.6	4.4	4.3	4.1	4.0
-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: P731266 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-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°	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.1	1.9	1.7
85°	7.1	6.8	6.5	6.2	5.9	5.6	5.2	4.7	4.3	3.8	3.4
82.5°	10.0	9.5	9.1	8.6	8.2	7.7	7.2	6.7	6.2	5.7	5.0
80°	14.7	13.7	12.8	11.8	10.8	9.8	9.1	8.5	7.8	7.1	6.4
77.5°	20.4	18.7	17.1	15.8	14.5	13.2	11.9	10.5	9.4	8.5	7.7
75°	27.2	24.9	22.9	20.9	18.7	16.6	15.0	13.4	11.7	10.0	8.9
72.5°	40.1	35.6	30.9	26.3	23.8	21.3	18.7	16.2	14.3	12.3	10.3
70°	69.3	51.6	42.4	36.9	31.2	26.0	23.0	20.0	16.9	14.6	12.3
67.5°	112.9	92.9	72.3	51.0	41.2	34.7	28.0	23.9	20.4	16.9	14.3
65°	197.8	153.8	110.8	87.2	63.0	43.8	36.4	28.9	23.9	20.0	16.2
62.5°	291.7	233.8	183.8	132.3	96.3	69.0	44.7	36.4	28.0	23.0	18.7
60°	396.8	330.0	261.0	201.9	144.3	99.3	69.0	43.8	34.7	26.0	21.3
57.5°	498.2	427.5	353.1	276.4	207.9	144.3	96.3	63.0	41.2	31.2	23.8
55°	602.6	521.1	442.7	360.9	276.4	201.9	132.3	87.2	51.0	36.9	26.3
52.5°	725.7	622.2	528.8	442.7	353.1	261.0	183.8	110.8	72.3	42.4	30.9
50°	847.3	735.6	622.2	521.1	427.5	330.0	233.8	153.8	92.9	51.6	35.6
47.5°	967.2	847.3	725.7	602.6	498.2	396.8	291.7	197.8	112.9	69.3	40.1
45°	1081.5	956.8	826.9	696.1	566.6	460.3	350.8	240.2	150.5	86.3	44.4
42.5°	1191.5	1061.1	925.9	786.3	647.1	520.9	407.6	290.2	187.1	102.7	54.5
40°	1320.7	1160.7	1020.6	874.9	727.3	579.5	460.9	339.5	222.1	123.3	68.2
37.5°	1447.4	1269.2	1109.7	959.7	804.4	649.9	511.6	386.6	257.9	152.9	81.1
35°	1573.6	1382.4	1194.7	1039.3	878.9	716.8	559.8	430.8	297.8	180.8	93.4
32.5°	1694.2	1491.4	1292.8	1113.9	949.4	780.1	612.5	471.8	335.5	207.2	105.0
30°	1793.8	1597.5	1386.9	1184.1	1015.2	840.6	666.5	510.3	370.8	231.8	118.3
27.5°	1883.0	1696.9	1475.9	1261.2	1075.4	897.1	716.8	546.1	403.6	257.0	138.3
25°	1962.1	1778.1	1561.3	1336.5	1131.2	949.4	763.3	579.5	433.3	283.7	156.6
22.5°	2025.6	1848.9	1639.7	1405.6	1182.3	997.2	806.2	617.8	460.3	308.0	173.4
20°	2083.3	1913.2	1710.9	1468.7	1234.9	1039.3	845.4	652.3	484.6	330.0	188.5
17.5°	2178.2	1966.1	1765.8	1527.0	1286.0	1076.9	880.2	683.0	506.2	349.5	201.9
15°	2456.9	2008.0	1812.2	1578.1	1330.7	1109.7	910.7	709.8	525.0	366.5	213.5
12.5°	2695.6	2043.8	1851.9	1621.8	1368.8	1137.6	936.6	732.6	541.0	381.0	223.5
10°	2893.0	2073.4	1884.6	1657.7	1400.2	1160.7	958.0	751.3	554.2	392.8	231.6
7.5°	3047.9	2096.6	1910.2	1685.9	1424.8	1178.6	974.7	766.0	564.5	402.1	238.0
5°	3159.3	2113.3	1928.6	1706.1	1442.4	1191.5	986.6	776.5	571.9	408.8	242.5
2.5°	3226.4	2123.3	1939.7	1718.2	1453.0	1199.3	993.8	782.8	576.3	412.8	245.3
0°	3248.8	2126.7	1943.4	1722.3	1456.5	1201.9	996.2	784.9	577.8	414.1	246.2
-2.5°	3226.4	2123.3	1939.7	1718.2	1453.0	1199.3	993.8	782.8	576.3	412.8	245.3
-5°	3159.3	2113.3	1928.6	1706.1	1442.4	1191.5	986.6	776.5	571.9	408.8	242.5
-7.5°	3047.9	2096.6	1910.2	1685.9	1424.8	1178.6	974.7	766.0	564.5	402.1	238.0
-10°	2893.0	2073.4	1884.6	1657.7	1400.2	1160.7	958.0	751.3	554.2	392.8	231.6
-12.5°	2695.6	2043.8	1851.9	1621.8	1368.8	1137.6	936.6	732.6	541.0	381.0	223.5
-15°	2456.9	2008.0	1812.2	1578.1	1330.7	1109.7	910.7	709.8	525.0	366.5	213.5
-17.5°	2178.2	1966.1	1765.8	1527.0	1286.0	1076.9	880.2	683.0	506.2	349.5	201.9
-20°	2083.3	1913.2	1710.9	1468.7	1234.9	1039.3	845.4	652.3	484.6	330.0	188.5



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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°	2025.6	1848.9	1639.7	1405.6	1182.3	997.2	806.2	617.8	460.3	308.0	173.4
-25°	1962.1	1778.1	1561.3	1336.5	1131.2	949.4	763.3	579.5	433.3	283.7	156.6
-27.5°	1883.0	1696.9	1475.9	1261.2	1075.4	897.1	716.8	546.1	403.6	257.0	138.3
-30°	1793.8	1597.5	1386.9	1184.1	1015.2	840.6	666.5	510.3	370.8	231.8	118.3
-32.5°	1694.2	1491.4	1292.8	1113.9	949.4	780.1	612.5	471.8	335.5	207.2	105.0
-35°	1573.6	1382.4	1194.7	1039.3	878.9	716.8	559.8	430.8	297.8	180.8	93.4
-37.5°	1447.4	1269.2	1109.7	959.7	804.4	649.9	511.6	386.6	257.9	152.9	81.1
-40°	1320.7	1160.7	1020.6	874.9	727.3	579.5	460.9	339.5	222.1	123.3	68.2
-42.5°	1191.5	1061.1	925.9	786.3	647.1	520.9	407.6	290.2	187.1	102.7	54.5
-45°	1081.5	956.8	826.9	696.1	566.6	460.3	350.8	240.2	150.5	86.3	44.4
-47.5°	967.2	847.3	725.7	602.6	498.2	396.8	291.7	197.8	112.9	69.3	40.1
-50°	847.3	735.6	622.2	521.1	427.5	330.0	233.8	153.8	92.9	51.6	35.6
-52.5°	725.7	622.2	528.8	442.7	353.1	261.0	183.8	110.8	72.3	42.4	30.9
-55°	602.6	521.1	442.7	360.9	276.4	201.9	132.3	87.2	51.0	36.9	26.3
-57.5°	498.2	427.5	353.1	276.4	207.9	144.3	96.3	63.0	41.2	31.2	23.8
-60°	396.8	330.0	261.0	201.9	144.3	99.3	69.0	43.8	34.7	26.0	21.3
-62.5°	291.7	233.8	183.8	132.3	96.3	69.0	44.7	36.4	28.0	23.0	18.7
-65°	197.8	153.8	110.8	87.2	63.0	43.8	36.4	28.9	23.9	20.0	16.2
-67.5°	112.9	92.9	72.3	51.0	41.2	34.7	28.0	23.9	20.4	16.9	14.3
-70°	69.3	51.6	42.4	36.9	31.2	26.0	23.0	20.0	16.9	14.6	12.3
-72.5°	40.1	35.6	30.9	26.3	23.8	21.3	18.7	16.2	14.3	12.3	10.3
-75°	27.2	24.9	22.9	20.9	18.7	16.6	15.0	13.4	11.7	10.0	8.9
-77.5°	20.4	18.7	17.1	15.8	14.5	13.2	11.9	10.5	9.4	8.5	7.7
-80°	14.7	13.7	12.8	11.8	10.8	9.8	9.1	8.5	7.8	7.1	6.4
-82.5°	10.0	9.5	9.1	8.6	8.2	7.7	7.2	6.7	6.2	5.7	5.0
-85°	7.1	6.8	6.5	6.2	5.9	5.6	5.2	4.7	4.3	3.8	3.4
-87.5°	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.1	1.9	1.7
-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°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
85°	2.9	2.4	1.9	1.5	1.0	0.5	0.0
82.5°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
80°	5.7	4.8	3.9	2.9	1.9	1.0	0.0
77.5°	6.8	5.9	4.8	3.6	2.4	1.2	0.0
75°	7.9	6.8	5.7	4.3	2.9	1.4	0.0
72.5°	8.9	7.7	6.4	5.0	3.4	1.7	0.0
70°	10.0	8.5	7.1	5.7	3.8	1.9	0.0
67.5°	11.7	9.4	7.8	6.2	4.3	2.1	0.0
65°	13.4	10.5	8.5	6.7	4.7	2.4	0.0
62.5°	15.0	11.9	9.1	7.2	5.2	2.6	0.0
60°	16.6	13.2	9.8	7.7	5.6	2.8	0.0
57.5°	18.7	14.5	10.8	8.2	5.9	3.0	0.0
55°	20.9	15.8	11.8	8.6	6.2	3.2	0.0
52.5°	22.9	17.1	12.8	9.1	6.5	3.4	0.0
50°	24.9	18.7	13.7	9.5	6.8	3.6	0.0
47.5°	27.2	20.4	14.7	10.0	7.1	3.8	0.0
45°	30.9	21.9	15.5	10.6	7.3	4.0	0.0
42.5°	34.4	23.4	16.4	11.3	7.6	4.1	0.0
40°	37.9	24.8	17.4	11.9	7.8	4.3	0.0
37.5°	41.1	26.2	18.4	12.4	8.1	4.4	0.0
35°	44.2	28.3	19.5	13.0	8.3	4.6	0.0
32.5°	49.1	30.7	20.4	13.5	8.5	4.7	0.0
30°	58.3	32.9	21.3	14.0	8.7	4.8	0.0
27.5°	66.9	35.0	22.1	14.4	8.8	5.0	0.0
25°	74.8	36.9	22.9	14.8	9.0	5.1	0.0
22.5°	82.0	38.6	23.6	15.2	9.2	5.2	0.0
20°	88.5	40.2	24.2	15.5	9.3	5.3	0.0
17.5°	94.3	41.6	24.8	15.8	9.4	5.3	0.0
15°	99.3	42.8	25.3	16.1	9.5	5.4	0.0
12.5°	103.5	43.8	25.7	16.3	9.6	5.5	0.0
10°	107.0	44.7	26.0	16.5	9.7	5.5	0.0
7.5°	109.8	45.3	26.3	16.6	9.7	5.6	0.0
5°	111.7	45.8	26.4	16.7	9.8	5.6	0.0
2.5°	112.9	46.1	26.6	16.8	9.8	5.6	0.0
0°	113.3	46.2	26.6	16.8	9.8	5.6	0.0
-2.5°	112.9	46.1	26.6	16.8	9.8	5.6	0.0
-5°	111.7	45.8	26.4	16.7	9.8	5.6	0.0
-7.5°	109.8	45.3	26.3	16.6	9.7	5.6	0.0
-10°	107.0	44.7	26.0	16.5	9.7	5.5	0.0
-12.5°	103.5	43.8	25.7	16.3	9.6	5.5	0.0
-15°	99.3	42.8	25.3	16.1	9.5	5.4	0.0
-17.5°	94.3	41.6	24.8	15.8	9.4	5.3	0.0
-20°	88.5	40.2	24.2	15.5	9.3	5.3	0.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-3S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	82.0	38.6	23.6	15.2	9.2	5.2	0.0
-25°	74.8	36.9	22.9	14.8	9.0	5.1	0.0
-27.5°	66.9	35.0	22.1	14.4	8.8	5.0	0.0
-30°	58.3	32.9	21.3	14.0	8.7	4.8	0.0
-32.5°	49.1	30.7	20.4	13.5	8.5	4.7	0.0
-35°	44.2	28.3	19.5	13.0	8.3	4.6	0.0
-37.5°	41.1	26.2	18.4	12.4	8.1	4.4	0.0
-40°	37.9	24.8	17.4	11.9	7.8	4.3	0.0
-42.5°	34.4	23.4	16.4	11.3	7.6	4.1	0.0
-45°	30.9	21.9	15.5	10.6	7.3	4.0	0.0
-47.5°	27.2	20.4	14.7	10.0	7.1	3.8	0.0
-50°	24.9	18.7	13.7	9.5	6.8	3.6	0.0
-52.5°	22.9	17.1	12.8	9.1	6.5	3.4	0.0
-55°	20.9	15.8	11.8	8.6	6.2	3.2	0.0
-57.5°	18.7	14.5	10.8	8.2	5.9	3.0	0.0
-60°	16.6	13.2	9.8	7.7	5.6	2.8	0.0
-62.5°	15.0	11.9	9.1	7.2	5.2	2.6	0.0
-65°	13.4	10.5	8.5	6.7	4.7	2.4	0.0
-67.5°	11.7	9.4	7.8	6.2	4.3	2.1	0.0
-70°	10.0	8.5	7.1	5.7	3.8	1.9	0.0
-72.5°	8.9	7.7	6.4	5.0	3.4	1.7	0.0
-75°	7.9	6.8	5.7	4.3	2.9	1.4	0.0
-77.5°	6.8	5.9	4.8	3.6	2.4	1.2	0.0
-80°	5.7	4.8	3.9	2.9	1.9	1.0	0.0
-82.5°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
-85°	2.9	2.4	1.9	1.5	1.0	0.5	0.0
-87.5°	1.4	1.2	1.0	0.7	0.5	0.2	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

