

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: P731573 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-1S-VHE**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731573 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-1S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

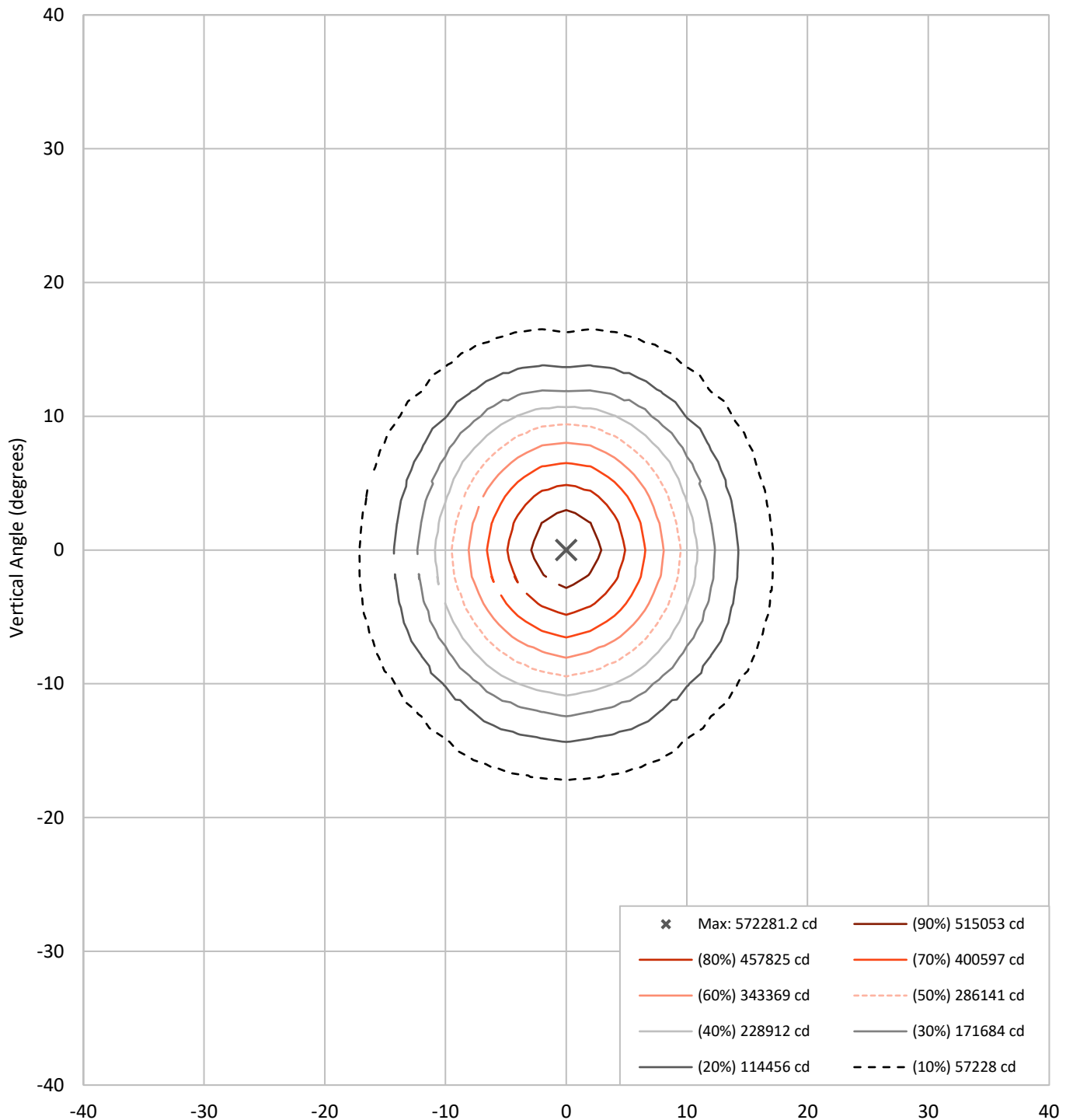
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	75432.2 lumens	Max Intensity:	572281.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	130.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 18.9°V	Field Angle (10%):	34°H x 33.3°V
Beam Lumens:	33437.8 lumens	Field Lumens:	60901.7 lumens
Beam Efficiency:	44.3%	Field Efficiency:	80.7%

Input Watts (W): 577.1
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





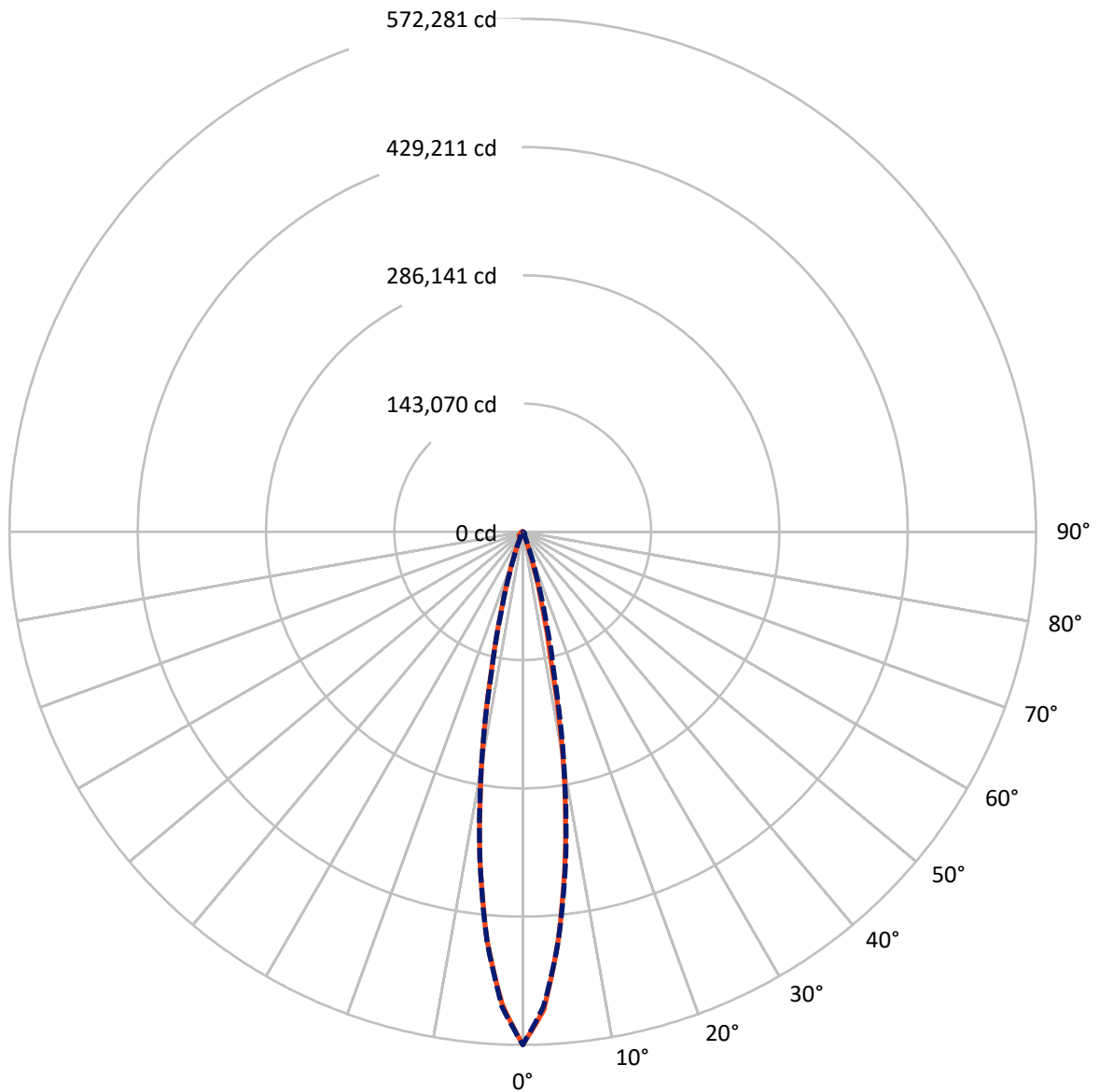
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Lumen Table

90	0.3	1.0	1.9	2.6	2.9	2.6	1.9	1.0	0.3										
80	0.3	1.0	1.9	2.6	2.9	2.6	1.9	1.0	0.3										
70	0.3	0.2	0.3	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.3	0.2	0.3			
60		0.5	0.9	1.0	0.9	0.8	1.0	1.1	1.1	1.0	0.8	0.9	1.0	0.9	0.5				
50	1.1	1.3	2.8	5.5	8.5	14.7	22.3	24.7	24.7	22.3	14.7	8.5	5.5	2.8	1.3	1.1			
40		2.9	8.1	14.7	30.9	50.5	56.5	59.3	59.3	56.5	50.5	30.9	14.7	8.1	2.9				
30	2.5	4.9	13.3	27.3	64.9	68.9	83.6	138.3	138.3	83.6	68.9	64.9	27.3	13.3	4.9	2.5			
20		6.6	17.1	48.6	86.0	101.5	632.1	2518.9	2518.9	632.1	101.5	86.0	48.6	17.1	6.6				
10	3.7	8.1	20.0	64.3	95.9	189.3	2554.0	10625.8	10625.8	2554.0	189.3	95.9	64.3	20.0	8.1	3.7			
0		9.0	22.4	68.7	106.7	211.8	2685.0	10574.6	10574.6	2685.0	211.8	106.7	68.7	22.4	9.0				
-10	4.2	9.4	24.0	67.8	118.2	145.6	745.5	2729.3	2729.3	745.5	145.6	118.2	67.8	24.0	9.4	4.2			
-20		9.1	24.3	52.4	120.4	147.4	160.9	249.8	249.8	160.9	147.4	120.4	52.4	24.3	9.1				
-30	4.0	8.1	22.7	41.8	88.2	148.2	166.5	168.4	168.4	166.5	148.2	88.2	41.8	22.7	8.1	4.0			
-40		6.8	18.6	36.6	54.6	82.6	122.3	152.6	152.6	122.3	82.6	54.6	36.6	18.6	6.8				
-50	3.4	5.3	13.5	26.7	42.5	55.4	64.6	70.5	70.5	64.6	55.4	42.5	26.7	13.5	5.3	3.4			
-60		4.2	8.8	16.3	25.7	34.5	42.1	47.1	47.1	42.1	34.5	25.7	16.3	8.8	4.2				
-70	2.3	15.9	38.0	59.7	71.3	59.7	38.0	15.9	2.3							2.3			
-80		15.9	38.0	59.7	71.3	59.7	38.0	15.9	2.3										
-90	2.3	15.9	38.0	59.7	71.3	59.7	38.0	15.9	2.3										

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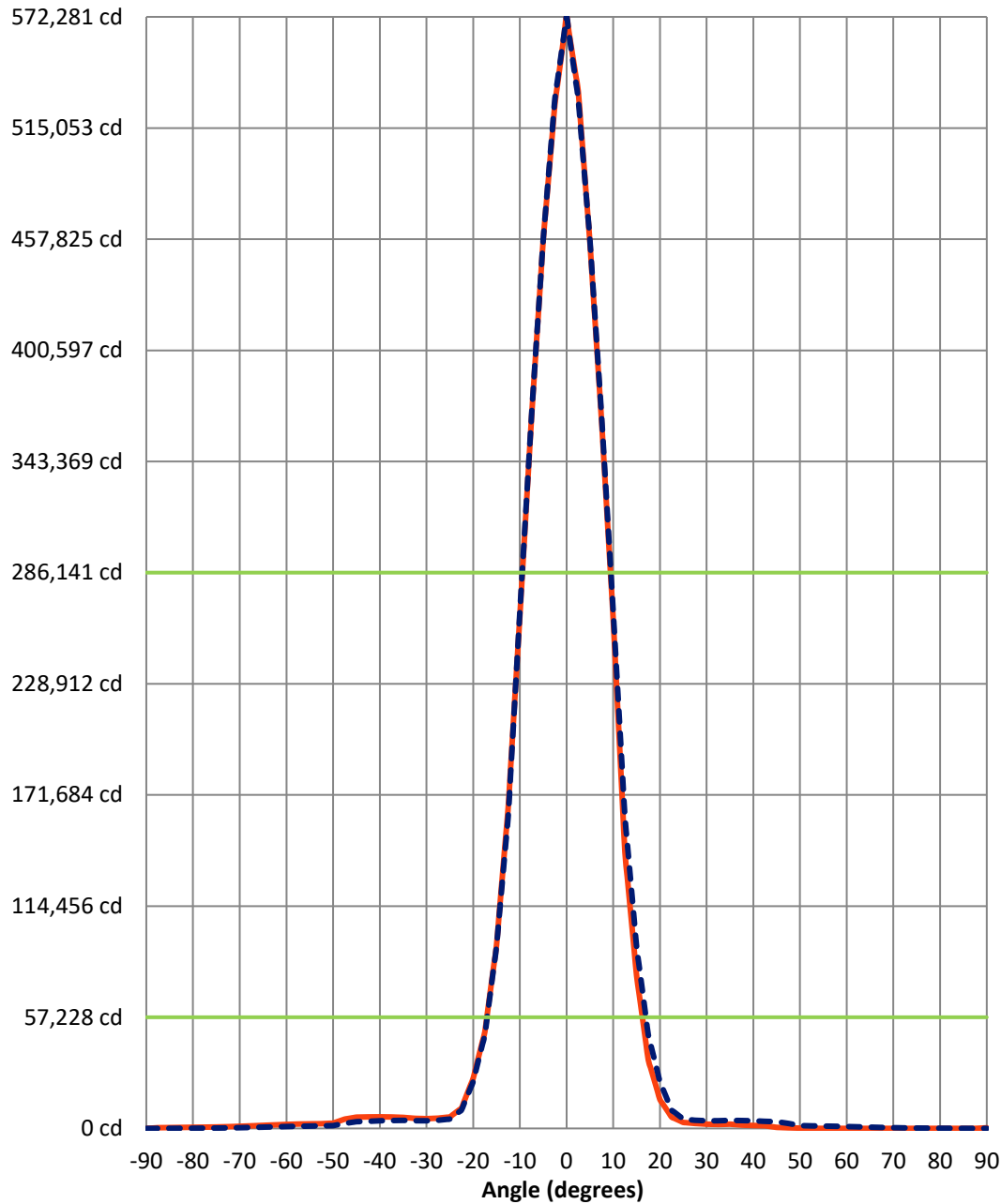
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 19°
V Angle: 18.9°
Lumens: 33437.8
Efficiency: 44.3%

Field:
H Angle: 34°
V Angle: 33.3°
Lumens: 60901.7
Efficiency: 80.7%

Spill:
Lumens: 14530.4
Efficiency: 19.3%

— 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°	8.2	21.8	35.5	53.2	71.0	88.7	106.5	119.2	131.8	144.5	157.1
87.5°	8.2	7.1	5.7	5.8	5.7	5.6	5.5	5.5	5.5	5.5	5.5
85°	8.2	7.3	6.0	6.0	6.0	5.8	5.5	5.5	5.5	5.5	5.5
82.5°	8.2	7.6	6.2	6.3	6.2	6.0	5.5	5.5	5.5	5.6	5.5
80°	8.2	7.8	6.5	6.6	6.5	6.1	5.6	5.9	6.0	5.9	5.6
77.5°	8.2	8.1	6.8	6.8	6.7	6.6	6.4	6.5	6.5	6.2	5.8
75°	8.2	8.3	7.1	7.1	7.1	7.5	7.2	7.2	7.1	7.1	6.5
72.5°	8.2	8.6	7.4	7.4	8.1	8.5	8.1	8.1	8.4	8.2	7.4
70°	8.2	8.9	7.7	7.8	9.1	9.5	9.1	9.6	9.8	9.4	8.9
67.5°	8.2	9.1	8.1	8.7	10.1	10.6	10.9	11.1	11.3	11.6	10.8
65°	8.2	9.4	8.5	9.6	11.2	12.1	12.8	12.6	13.8	14.0	13.3
62.5°	8.2	9.7	8.9	10.5	12.2	14.1	14.8	15.0	16.5	16.8	16.8
60°	8.2	9.9	9.3	11.5	13.3	16.2	16.9	17.8	19.3	20.8	20.6
57.5°	8.2	10.2	10.2	12.4	15.2	18.3	20.3	20.8	23.2	25.0	27.3
55°	8.2	10.5	11.2	13.3	17.2	20.6	23.9	24.6	27.5	30.4	35.8
52.5°	8.2	10.8	12.2	14.3	19.2	23.1	27.8	29.8	32.0	39.6	45.1
50°	8.2	11.1	13.2	15.2	21.2	26.7	31.9	35.5	38.0	49.4	59.9
47.5°	8.2	11.4	14.2	16.3	23.3	30.4	36.4	41.6	47.6	59.7	76.4
45°	8.2	11.7	15.3	17.9	25.3	34.2	42.1	48.2	59.4	75.8	93.9
42.5°	8.2	12.0	16.4	19.4	27.5	38.2	48.1	57.4	71.8	92.7	120.1
40°	8.2	12.3	17.5	21.5	30.1	42.2	54.4	68.6	86.3	110.5	149.4
37.5°	8.2	12.6	18.7	24.0	33.2	46.3	60.8	80.0	104.3	133.7	180.8
35°	8.2	12.8	19.9	26.4	36.4	51.1	67.5	91.6	122.7	162.7	216.0
32.5°	8.2	13.1	21.1	28.9	39.5	56.4	75.2	103.4	141.5	191.1	252.7
30°	8.2	13.4	22.3	31.5	42.6	61.8	84.8	116.2	160.6	218.9	287.9
27.5°	8.2	13.7	23.5	34.0	47.0	67.1	94.3	131.9	181.3	246.0	321.5
25°	8.2	14.0	24.7	36.6	51.6	72.4	103.7	147.4	204.1	273.9	353.6
22.5°	8.2	14.3	25.9	39.2	56.1	78.1	113.0	162.7	226.1	301.1	388.9
20°	8.2	14.6	27.1	41.7	60.5	84.6	122.2	177.7	247.1	326.8	422.3
17.5°	8.2	14.8	28.3	44.3	64.9	90.8	131.3	192.3	267.1	350.9	453.6
15°	8.2	15.1	29.4	46.8	69.1	96.8	140.1	205.8	286.0	373.3	482.8
12.5°	8.2	15.3	30.6	49.2	73.3	102.6	148.5	217.5	303.2	394.0	509.7
10°	8.2	15.6	31.7	51.6	77.3	108.1	156.3	228.3	318.9	416.6	537.4
7.5°	8.2	15.8	32.7	53.9	81.1	113.3	163.5	238.0	333.4	438.7	569.7
5°	8.2	16.0	33.7	56.1	84.8	118.2	170.2	246.7	346.7	459.5	599.9
2.5°	8.2	16.2	34.6	58.1	88.3	122.8	176.3	254.3	358.5	478.7	627.8
0°	8.2	16.4	35.5	60.1	91.5	127.0	181.7	260.9	368.8	495.9	652.9
-2.5°	8.2	17.2	37.4	63.3	95.6	132.3	188.1	269.8	380.9	509.2	666.9
-5°	8.2	18.0	39.3	66.3	99.4	137.2	193.9	277.6	391.1	520.1	677.8
-7.5°	8.2	18.7	41.1	69.1	103.0	141.7	199.0	284.1	399.4	528.7	685.4
-10°	8.2	19.5	42.7	71.8	106.4	145.9	203.4	289.2	405.6	535.0	689.9
-12.5°	8.2	20.2	44.3	74.3	109.4	149.7	207.1	293.0	409.6	539.3	694.5
-15°	8.2	20.9	45.8	76.6	112.3	153.0	210.1	295.3	411.9	543.1	697.2
-17.5°	8.2	21.5	47.1	78.7	114.8	155.9	212.4	297.0	412.7	544.3	696.1
-20°	8.2	22.1	48.3	80.6	117.1	158.4	214.3	297.9	411.2	542.6	691.1



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	22.7	49.4	82.3	119.1	160.5	216.1	297.1	407.6	538.1	682.2
-25°	8.2	23.2	50.4	83.7	120.8	162.5	217.0	294.6	401.6	530.8	669.4
-27.5°	8.2	23.7	51.2	85.0	122.3	164.1	217.0	290.4	393.5	521.1	658.5
-30°	8.2	24.2	51.9	86.0	123.5	165.2	216.0	284.6	385.8	509.8	644.5
-32.5°	8.2	24.6	52.4	86.7	124.5	165.8	214.1	281.4	377.7	495.8	627.2
-35°	8.2	25.0	52.8	87.3	125.1	165.9	213.5	278.3	367.4	479.2	606.6
-37.5°	8.2	25.3	53.0	87.5	125.4	165.7	213.0	274.0	355.1	460.0	585.3
-40°	8.2	25.6	53.1	87.6	125.3	165.7	211.9	268.6	340.6	442.3	561.1
-42.5°	8.2	25.9	53.0	87.3	125.0	165.2	210.1	262.0	330.1	423.1	532.8
-45°	8.2	26.1	52.8	86.9	124.3	164.2	207.7	256.2	321.1	401.2	501.9
-47.5°	8.2	26.2	52.4	86.1	123.3	162.8	204.6	252.5	310.6	377.2	474.4
-50°	8.2	26.3	51.9	85.2	121.9	160.9	202.0	248.0	297.9	362.4	444.0
-52.5°	8.2	26.3	51.2	84.2	120.2	158.5	199.0	242.6	288.8	345.9	412.4
-55°	8.2	26.3	50.4	82.8	118.2	155.8	195.4	236.7	280.8	327.6	391.2
-57.5°	8.2	26.3	49.5	81.3	115.8	152.6	191.3	231.7	272.0	315.3	368.0
-60°	8.2	26.2	48.4	79.5	113.1	149.0	186.6	225.5	262.9	304.3	347.0
-62.5°	8.2	26.1	47.9	77.5	110.2	144.9	181.4	218.6	254.6	292.4	333.4
-65°	8.2	25.9	47.2	75.3	106.9	140.5	175.7	211.1	245.6	281.4	318.9
-67.5°	8.2	25.6	46.5	72.9	103.4	135.6	169.5	202.9	236.0	270.0	305.1
-70°	8.2	25.4	45.6	70.2	99.6	130.5	162.8	194.1	225.4	258.0	291.1
-72.5°	8.2	25.1	44.7	68.4	95.5	125.0	155.7	184.9	214.1	244.6	276.2
-75°	8.2	24.7	43.6	66.7	91.2	119.1	148.2	175.1	202.3	230.5	259.7
-77.5°	8.2	24.3	42.5	64.8	88.1	113.0	140.2	164.8	189.8	215.8	242.6
-80°	8.2	23.9	41.2	62.7	85.0	107.9	131.9	154.1	176.7	200.2	224.4
-82.5°	8.2	23.4	39.9	60.5	81.7	103.5	125.7	144.1	163.3	184.1	205.5
-85°	8.2	22.9	38.5	58.2	78.3	98.8	119.5	136.0	152.9	170.1	187.8
-87.5°	8.2	22.4	37.0	55.8	74.7	93.8	113.1	127.7	142.5	157.4	172.6
-90°	8.2	6.9	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5



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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°	169.1	181.0	193.0	204.9	213.8	222.7	231.5	240.4	247.9	255.5	263.0
87.5°	5.2	4.8	4.5	4.1	4.1	4.1	4.1	4.1	3.8	3.4	3.1
85°	5.2	4.8	4.5	4.1	4.1	4.1	4.1	4.1	3.8	3.4	3.1
82.5°	5.2	4.8	4.5	4.1	4.1	4.1	4.1	4.1	3.9	3.6	3.5
80°	5.2	4.9	4.7	4.6	4.6	4.5	4.4	4.2	4.1	4.1	4.2
77.5°	5.6	5.5	5.5	5.4	5.2	5.0	4.9	4.9	4.9	4.7	4.5
75°	6.2	6.2	6.1	5.7	5.4	5.4	5.5	5.5	5.3	4.9	4.6
72.5°	7.1	7.1	6.7	6.0	5.8	5.9	5.8	5.7	6.0	6.8	7.5
70°	8.2	8.1	7.9	7.2	6.5	6.8	7.9	9.0	10.0	11.6	14.0
67.5°	9.7	10.0	9.7	9.0	8.9	10.2	11.5	15.9	20.6	23.2	24.3
65°	12.1	12.3	13.0	13.2	12.3	16.1	21.1	26.8	32.1	33.1	32.3
62.5°	15.0	16.6	17.7	18.8	20.2	24.0	29.8	35.5	41.3	39.6	34.1
60°	20.8	21.7	24.9	28.0	29.1	31.2	37.4	40.6	42.5	41.4	32.2
57.5°	28.0	29.6	34.9	38.5	39.7	37.3	39.6	41.6	41.4	36.4	27.9
55°	38.0	39.9	46.5	51.3	51.0	42.0	41.5	43.4	40.3	35.4	27.6
52.5°	52.3	53.4	60.7	65.9	64.0	54.7	48.1	51.2	50.7	44.3	37.7
50°	68.0	74.1	76.9	84.1	83.6	76.1	63.6	69.8	80.8	78.8	69.3
47.5°	90.4	98.3	98.7	107.4	111.4	118.0	107.3	120.7	137.0	170.3	159.7
45°	117.3	130.3	131.3	139.5	160.1	184.9	194.9	194.1	276.6	306.3	328.1
42.5°	146.9	167.9	176.7	176.1	242.4	280.1	301.5	369.7	432.4	451.3	461.5
40°	184.5	209.7	228.8	271.6	340.3	392.4	446.3	519.0	553.3	556.6	556.8
37.5°	225.7	262.3	293.2	366.1	453.7	511.6	578.5	609.8	633.5	634.9	661.8
35°	269.8	319.1	376.3	457.6	554.1	619.8	658.5	686.8	699.7	729.5	860.1
32.5°	320.4	379.9	454.6	545.1	637.2	704.2	727.3	751.7	783.2	871.4	1254.9
30°	371.5	448.4	528.9	626.3	719.8	766.9	791.3	821.9	871.4	1215.6	1746.9
27.5°	414.8	512.6	600.4	701.9	797.3	830.0	858.2	904.1	1114.2	1597.1	2335.4
25°	456.2	563.5	666.5	776.6	855.6	891.7	927.1	989.4	1399.5	2164.8	2668.7
22.5°	497.7	615.0	726.5	850.4	913.6	951.0	1005.6	1238.2	1811.9	2731.9	2968.8
20°	540.3	666.5	786.1	910.1	969.3	1008.3	1083.2	1520.0	2315.9	2973.9	3193.3
17.5°	582.1	716.1	842.0	952.2	1013.6	1068.7	1187.3	1803.4	2769.6	3212.7	3365.5
15°	622.6	763.6	893.0	992.9	1057.7	1133.8	1431.9	2180.4	3063.9	3427.1	3572.1
12.5°	661.5	808.6	939.0	1031.9	1101.8	1198.4	1687.9	2553.1	3260.9	3595.8	3734.7
10°	698.2	850.8	980.2	1069.2	1145.4	1261.5	1946.0	2867.7	3423.5	3709.9	3815.8
7.5°	732.8	887.3	1017.1	1104.4	1187.8	1322.2	2196.3	3127.2	3551.8	3806.7	3871.9
5°	763.2	917.1	1051.2	1142.4	1230.5	1376.1	2410.6	3334.9	3651.2	3887.2	3929.7
2.5°	789.3	942.7	1082.0	1179.0	1271.7	1419.0	2514.3	3419.2	3663.9	3922.7	3989.8
0°	811.4	964.4	1109.2	1213.0	1310.0	1456.2	2573.5	3462.8	3648.6	3932.7	4052.9
-2.5°	829.5	993.9	1148.0	1248.8	1346.6	1491.4	2569.2	3496.6	3687.0	4023.2	4295.3
-5°	843.7	1018.7	1182.1	1282.1	1380.2	1521.5	2523.1	3486.8	3739.3	4103.2	4444.6
-7.5°	854.0	1038.1	1210.9	1313.3	1413.1	1555.9	2490.1	3528.7	3891.7	4198.2	4505.1
-10°	860.8	1050.9	1228.5	1342.5	1446.4	1589.9	2419.2	3511.1	4034.2	4293.4	4563.2
-12.5°	868.7	1058.2	1239.8	1367.9	1475.4	1616.7	2294.0	3427.3	4166.2	4396.1	4620.0
-15°	871.9	1060.6	1245.7	1389.2	1499.8	1635.8	2112.3	3272.0	4254.3	4452.0	4656.4
-17.5°	870.4	1058.3	1246.2	1406.3	1519.4	1646.9	1872.2	2984.4	4115.8	4473.9	4690.2
-20°	864.0	1051.3	1241.3	1419.0	1534.1	1660.5	1833.5	2653.9	3737.6	4457.4	4714.4



REPORT NUMBER: P731573 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	852.7	1039.6	1229.8	1411.9	1550.5	1678.0	1835.3	2311.0	3291.3	4401.9	4716.3
-25°	838.1	1023.1	1211.9	1404.3	1565.0	1689.8	1829.8	2011.6	2849.4	3921.7	4669.1
-27.5°	820.4	1000.9	1194.4	1389.8	1576.6	1697.5	1831.1	1997.4	2459.7	3367.0	4489.6
-30°	798.2	976.1	1169.9	1367.3	1560.4	1705.7	1831.5	1964.5	2135.1	2866.6	3834.2
-32.5°	773.1	945.8	1137.6	1333.9	1530.2	1711.2	1821.0	1941.4	2088.1	2350.8	3177.4
-35°	747.7	914.7	1098.1	1292.8	1492.0	1678.5	1811.9	1919.7	2040.0	2199.8	2577.1
-37.5°	723.1	878.4	1051.9	1243.4	1438.9	1619.8	1795.1	1901.7	2011.9	2124.3	2281.3
-40°	694.0	837.0	1004.8	1186.0	1369.8	1550.3	1724.2	1883.4	1984.6	2082.1	2183.8
-42.5°	660.8	799.9	953.9	1119.6	1293.1	1468.4	1645.0	1812.3	1954.5	2041.7	2134.5
-45°	625.0	758.2	899.3	1051.9	1209.5	1379.0	1549.2	1719.7	1871.7	2007.6	2090.6
-47.5°	584.6	712.2	847.1	979.0	1125.9	1281.8	1445.9	1606.3	1762.8	1907.3	2048.5
-50°	542.8	662.1	786.6	909.8	1040.9	1183.4	1334.2	1486.1	1636.3	1783.4	1922.1
-52.5°	505.3	607.3	722.2	839.3	958.5	1085.5	1219.5	1357.0	1501.0	1643.9	1772.9
-55°	464.9	557.8	653.7	764.2	877.4	991.6	1103.6	1227.6	1356.1	1490.8	1611.2
-57.5°	432.2	506.7	590.8	684.5	790.7	898.0	996.6	1096.4	1210.7	1330.2	1434.9
-60°	403.4	462.1	530.5	611.8	699.0	796.0	888.8	980.9	1073.2	1164.4	1263.4
-62.5°	375.4	426.4	480.0	541.6	618.7	693.3	775.0	860.2	945.3	1027.0	1106.2
-65°	358.4	394.0	439.7	490.0	540.2	605.2	671.4	736.8	811.9	885.8	958.2
-67.5°	340.1	373.7	407.7	444.8	491.0	533.6	575.9	635.1	693.6	749.1	806.0
-70°	323.0	352.8	384.4	416.5	447.6	479.2	517.9	556.3	594.0	634.7	683.6
-72.5°	305.4	333.1	361.3	390.2	418.2	444.3	470.6	496.8	527.6	560.8	593.1
-75°	286.5	312.4	338.3	364.7	388.9	412.1	435.6	459.4	482.7	505.9	529.2
-77.5°	266.4	289.9	313.7	338.0	359.5	379.8	400.5	421.3	441.8	462.0	482.1
-80°	245.6	266.6	287.8	309.3	327.9	345.9	364.1	382.4	400.4	418.2	435.8
-82.5°	223.9	242.2	260.9	279.8	295.6	311.1	326.5	342.0	357.2	372.4	387.5
-85°	202.7	217.4	233.3	249.3	262.6	275.8	288.9	302.0	314.6	327.2	339.7
-87.5°	186.0	199.3	212.7	225.9	236.4	246.7	257.1	267.4	277.1	286.8	296.5
-90°	5.2	4.8	4.5	4.1	4.1	4.1	4.1	4.1	3.8	3.4	3.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	270.5	275.6	280.8	285.9	291.0	295.4	299.9	304.3	308.7	311.4	314.2
87.5°	2.7	2.6	2.6	2.6	2.6	2.3	2.0	1.7	1.4	1.4	1.4
85°	2.7	2.7	2.7	2.7	2.7	2.4	2.1	1.7	1.4	1.4	1.4
82.5°	3.4	3.3	3.1	2.9	2.7	2.6	2.6	2.6	2.6	2.6	2.6
80°	4.1	3.8	3.5	3.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	4.2	3.8	3.5	3.1	2.8	2.7	2.7	2.7	2.7	2.7	2.7
75°	4.2	4.1	4.3	4.3	4.1	4.1	4.1	4.0	3.9	3.6	3.4
72.5°	8.1	8.4	8.4	8.6	8.7	8.9	9.2	9.4	9.4	9.5	9.6
70°	15.4	15.9	16.3	16.1	15.1	14.4	14.0	13.6	13.2	13.5	14.3
67.5°	23.4	21.7	20.9	19.8	17.6	15.7	14.6	13.5	12.2	11.6	11.5
65°	29.0	22.9	19.9	17.7	15.9	13.8	11.9	10.3	8.8	7.8	7.5
62.5°	27.5	19.6	15.5	13.1	10.9	9.1	7.5	6.3	5.4	5.0	5.0
60°	23.5	15.4	10.8	8.7	6.6	4.3	4.0	3.8	3.5	3.2	3.5
57.5°	21.0	13.8	8.4	8.3	7.1	5.2	4.5	4.5	3.8	2.7	3.1
55°	23.4	19.8	13.8	14.2	13.8	11.6	9.9	11.8	11.4	8.9	9.8
52.5°	35.2	40.3	32.9	30.6	41.7	41.3	32.3	44.1	50.7	49.6	50.6
50°	82.8	93.5	104.8	96.0	117.8	130.8	128.0	143.4	159.2	158.9	163.8
47.5°	196.1	225.7	228.9	234.8	259.8	291.5	317.3	335.5	344.8	340.9	343.6
45°	350.9	357.6	372.9	406.8	449.3	500.4	539.4	562.0	638.2	692.3	724.0
42.5°	465.1	485.9	523.5	613.1	678.7	829.5	1012.0	1082.8	1172.4	1217.9	1220.8
40°	579.6	632.6	787.8	950.9	1305.1	1568.5	1584.3	1695.9	1747.4	1690.7	1682.2
37.5°	768.9	965.4	1232.0	1609.0	1773.7	1845.4	1884.7	1898.9	1909.3	1899.9	1895.0
35°	1141.7	1483.5	1745.2	1868.1	1942.6	1944.9	1954.1	1952.8	1940.7	1934.3	1920.8
32.5°	1691.5	2017.5	2025.5	2016.0	2031.6	2022.7	2005.6	1997.7	1971.3	1955.3	1960.7
30°	2258.6	2260.4	2228.2	2153.5	2116.1	2104.7	2080.0	2059.6	2034.5	2038.2	2125.5
27.5°	2483.5	2455.9	2410.9	2346.4	2221.2	2196.7	2176.8	2168.3	2273.1	2368.9	2454.4
25°	2735.3	2663.8	2639.1	2582.8	2454.1	2311.5	2374.2	2472.8	2609.9	2752.6	2890.3
22.5°	2952.9	2901.3	2885.4	2864.6	2654.3	2592.9	2678.9	2841.1	3028.4	3276.3	3984.4
20°	3167.4	3111.7	3093.5	2988.6	2878.4	2893.6	3053.4	3336.2	3859.9	5741.5	8039.4
17.5°	3347.8	3290.1	3227.8	3105.4	3070.4	3223.7	3543.4	4536.9	7008.6	13184.9	19462.1
15°	3515.8	3440.1	3334.1	3253.8	3320.2	3605.8	4397.7	7782.7	15788.9	26155.7	39226.4
12.5°	3665.2	3549.2	3400.9	3359.2	3561.2	4042.2	7148.0	15271.7	27518.5	42287.3	72972.5
10°	3769.1	3618.8	3489.4	3561.3	3882.4	5173.6	10286.3	22895.7	41013.7	74046.1	112248.2
7.5°	3813.8	3677.7	3602.4	3756.8	4185.6	6644.0	15484.8	31664.9	57927.3	102344.4	163296.7
5°	3864.4	3770.5	3728.5	3950.4	4477.6	7842.1	19223.4	39044.5	76014.2	128922.4	207413.7
2.5°	3966.7	3877.3	3848.0	4120.2	4733.0	8959.1	22145.0	44781.7	87997.1	151100.2	246563.7
0°	4147.2	3961.4	3938.2	4204.5	4835.6	9467.7	24062.1	48241.6	93696.6	160589.5	265826.1
-2.5°	4290.5	4069.2	4025.0	4262.6	4880.8	9218.5	23867.6	48122.4	91371.3	157418.0	253593.5
-5°	4415.6	4193.6	4132.5	4353.2	4980.1	9209.3	22603.2	44155.0	81760.6	138325.9	213718.3
-7.5°	4526.9	4334.9	4244.6	4420.2	4993.3	8247.1	18282.2	36353.4	65353.3	107997.2	165415.6
-10°	4644.2	4496.8	4373.7	4491.2	4937.7	6561.9	12230.7	26205.0	46541.9	78318.2	117718.0
-12.5°	4778.3	4704.1	4523.1	4540.2	4862.6	5537.3	9039.7	18295.0	32312.3	49335.5	77894.8
-15°	4892.1	4888.8	4737.3	4689.1	4849.3	5282.0	6306.8	10159.8	19600.6	31713.8	45841.6
-17.5°	4915.9	5036.9	4979.0	4831.7	4841.2	5083.7	5506.1	6732.7	9845.5	17449.7	25855.6
-20°	4931.2	5189.8	5195.9	5076.4	4971.6	4944.5	5137.6	5495.4	6191.0	8760.6	12143.0



REPORT NUMBER: P731573 (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°	4954.6	5200.3	5375.2	5342.2	5136.5	5016.2	4973.0	5108.5	5343.9	5675.5	6773.0
-25°	4965.6	5195.0	5445.3	5514.0	5427.8	5207.6	5043.0	4951.0	5034.3	5139.6	5354.2
-27.5°	4918.3	5186.8	5429.5	5632.9	5657.7	5513.8	5271.7	5075.4	4999.1	4926.8	5015.2
-30°	4839.6	5139.5	5393.4	5643.6	5743.7	5697.7	5571.0	5411.6	5225.6	5080.9	5030.1
-32.5°	4195.3	5068.9	5328.8	5545.7	5710.8	5758.0	5759.4	5674.0	5594.4	5482.8	5352.2
-35°	3456.4	4425.4	5271.1	5380.4	5531.8	5688.1	5804.2	5808.1	5798.8	5745.9	5690.9
-37.5°	2686.8	3589.9	4403.3	5054.3	5283.3	5467.3	5666.1	5800.5	5884.8	5869.6	5859.5
-40°	2339.2	2623.8	3384.8	4048.5	4605.3	5129.2	5344.5	5586.0	5780.1	5847.7	5893.3
-42.5°	2231.8	2353.6	2477.5	2980.4	3554.1	4058.6	4533.1	4985.6	5389.7	5618.6	5777.9
-45°	2173.0	2240.7	2316.6	2428.6	2525.4	2943.3	3368.4	3781.3	4285.4	4749.4	5151.8
-47.5°	2118.5	2171.5	2230.2	2287.8	2341.5	2417.5	2483.2	2600.5	2978.0	3358.7	3740.7
-50°	2030.8	2118.4	2167.1	2210.1	2248.1	2283.3	2313.7	2366.6	2429.3	2484.0	2539.2
-52.5°	1884.1	1982.7	2076.3	2147.2	2177.0	2206.2	2236.2	2276.3	2313.4	2347.3	2373.4
-55°	1719.7	1819.5	1913.9	1985.8	2050.2	2109.5	2162.4	2198.0	2232.7	2266.1	2291.4
-57.5°	1538.9	1640.6	1732.9	1801.8	1866.3	1926.1	1984.4	2040.3	2091.6	2137.7	2177.0
-60°	1355.8	1441.7	1525.0	1597.9	1664.4	1724.3	1781.9	1837.0	1887.3	1932.7	1972.1
-62.5°	1183.9	1263.4	1329.3	1388.9	1446.1	1501.5	1559.7	1613.3	1662.1	1706.6	1747.4
-65°	1028.8	1097.4	1147.3	1194.0	1238.1	1285.5	1336.8	1384.0	1427.1	1467.0	1503.9
-67.5°	869.3	928.7	972.6	1013.0	1050.6	1088.5	1129.4	1167.6	1202.8	1236.4	1267.9
-70°	730.9	772.3	802.9	833.8	867.3	901.4	936.7	968.8	997.7	1025.3	1050.6
-72.5°	624.5	649.9	671.4	697.8	721.7	747.1	773.3	797.5	819.7	841.3	861.5
-75°	552.5	571.1	588.6	605.0	620.2	638.4	657.3	675.2	692.0	707.7	722.6
-77.5°	502.3	516.8	528.8	540.3	551.1	565.2	580.0	594.4	608.3	620.2	631.2
-80°	453.3	465.0	475.2	485.1	494.7	506.9	519.2	531.3	543.1	553.8	564.1
-82.5°	402.6	412.1	420.8	429.2	437.4	447.7	457.9	467.9	477.5	486.4	495.0
-85°	352.1	359.4	366.2	372.8	379.3	387.7	396.0	404.1	412.1	417.9	423.4
-87.5°	306.2	311.6	316.8	321.9	326.9	332.9	338.9	344.9	350.9	354.8	358.6
-90°	2.7	2.4	2.1	1.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4



REPORT NUMBER: P731573 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	316.9	319.6	319.0	318.3	319.0	319.6	316.9	314.2	311.4	308.7	304.3
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.7
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.7
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
75°	3.1	2.7	2.7	2.7	2.7	2.7	3.1	3.4	3.6	3.9	4.0
72.5°	9.5	9.4	9.6	9.6	9.6	9.4	9.5	9.6	9.5	9.4	9.4
70°	15.2	16.1	16.3	16.4	16.3	16.1	15.2	14.3	13.5	13.2	13.6
67.5°	11.3	11.1	10.4	9.6	10.4	11.1	11.3	11.5	11.6	12.2	13.5
65°	7.2	7.0	6.8	6.8	6.8	7.0	7.2	7.5	7.8	8.8	10.3
62.5°	5.2	5.5	5.5	5.5	5.5	5.5	5.2	5.0	5.0	5.4	6.3
60°	3.7	4.1	4.1	4.1	4.1	4.1	3.7	3.5	3.2	3.5	3.8
57.5°	3.6	4.0	4.1	4.1	4.1	4.0	3.6	3.1	2.7	3.8	4.5
55°	10.4	10.6	10.3	9.6	10.3	10.6	10.4	9.8	8.9	11.4	11.8
52.5°	49.8	46.0	40.0	32.8	40.0	46.0	49.8	50.6	49.6	50.7	44.1
50°	173.3	178.0	173.9	161.2	173.9	178.0	173.3	163.8	158.9	159.2	143.4
47.5°	357.1	361.0	348.6	319.6	348.6	361.0	357.1	343.6	340.9	344.8	335.5
45°	747.5	741.7	677.4	543.7	677.4	741.7	747.5	724.0	692.3	638.2	562.0
42.5°	1289.1	1346.6	1380.4	1381.0	1380.4	1346.6	1289.1	1220.8	1217.9	1172.4	1082.8
40°	1668.5	1601.2	1527.7	1516.3	1527.7	1601.2	1668.5	1682.2	1690.7	1747.4	1695.9
37.5°	1883.5	1897.7	1889.5	1730.7	1889.5	1897.7	1883.5	1895.0	1899.9	1909.3	1898.9
35°	1952.0	2058.6	2168.5	2191.1	2168.5	2058.6	1952.0	1920.8	1934.3	1940.7	1952.8
32.5°	1985.0	2021.6	2031.6	2035.3	2031.6	2021.6	1985.0	1960.7	1955.3	1971.3	1997.7
30°	2165.7	2189.6	2186.1	2181.5	2186.1	2189.6	2165.7	2125.5	2038.2	2034.5	2059.6
27.5°	2494.7	2534.2	2551.8	2564.0	2551.8	2534.2	2494.7	2454.4	2368.9	2273.1	2168.3
25°	2965.6	3026.1	3067.6	3085.8	3067.6	3026.1	2965.6	2890.3	2752.6	2609.9	2472.8
22.5°	4802.3	5221.4	5636.1	5850.6	5636.1	5221.4	4802.3	3984.4	3276.3	3028.4	2841.1
20°	11988.6	13799.2	14626.1	14867.5	14626.1	13799.2	11988.6	8039.4	5741.5	3859.9	3336.2
17.5°	27918.8	34782.4	39373.1	35350.7	39373.1	34782.4	27918.8	19462.1	13184.9	7008.6	4536.9
15°	57143.4	74526.4	84253.4	78779.9	84253.4	74526.4	57143.4	39226.4	26155.7	15788.9	7782.7
12.5°	102955.9	130084.7	148305.4	142296.8	148305.4	130084.7	102955.9	72972.5	42287.3	27518.5	15271.7
10°	162050.3	216602.1	252926.1	261905.7	252926.1	216602.1	162050.3	112248.2	74046.1	41013.7	22895.7
7.5°	235166.0	302708.7	356023.4	364275.1	356023.4	302708.7	235166.0	163296.7	102344.4	57927.3	31664.9
5°	306694.7	386420.1	441893.0	456294.2	441893.0	386420.1	306694.7	207413.7	128922.4	76014.2	39044.5
2.5°	351090.6	437865.2	504685.3	534117.9	504685.3	437865.2	351090.6	246563.7	151100.2	87997.1	44781.7
0°	366936.7	457561.9	530061.6	572281.2	530061.6	457561.9	366936.7	265826.1	160589.5	93696.6	48241.6
-2.5°	354650.9	436720.5	497923.2	527272.9	497923.2	436720.5	354650.9	253593.5	157418.0	91371.3	48122.4
-5°	302062.4	383604.4	433400.1	457307.8	433400.1	383604.4	302062.4	213718.3	138325.9	81760.6	44155.0
-7.5°	236034.9	301299.4	344298.9	366049.5	344298.9	301299.4	236034.9	165415.6	107997.2	65353.3	36353.4
-10°	165153.6	216932.3	245917.5	263665.1	245917.5	216932.3	165153.6	117718.0	78318.2	46541.9	26205.0
-12.5°	107457.0	137595.3	153829.0	165199.8	153829.0	137595.3	107457.0	77894.8	49335.5	32312.3	18295.0
-15°	65232.8	79921.0	88734.6	94259.4	88734.6	79921.0	65232.8	45841.6	31713.8	19600.6	10159.8
-17.5°	36409.1	42717.8	47184.9	49656.8	47184.9	42717.8	36409.1	25855.6	17449.7	9845.5	6732.7
-20°	18066.3	22057.2	24678.6	25779.1	24678.6	22057.2	18066.3	12143.0	8760.6	6191.0	5495.4



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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°	8337.7	9403.8	10109.6	10445.8	10109.6	9403.8	8337.7	6773.0	5675.5	5343.9	5108.5
-25°	5562.9	5730.2	5853.2	5906.6	5853.2	5730.2	5562.9	5354.2	5139.6	5034.3	4951.0
-27.5°	5095.3	5183.9	5257.4	5286.4	5257.4	5183.9	5095.3	5015.2	4926.8	4999.1	5075.4
-30°	4991.1	4995.0	5015.8	5015.9	5015.8	4995.0	4991.1	5030.1	5080.9	5225.6	5411.6
-32.5°	5253.4	5195.8	5170.7	5197.6	5170.7	5195.8	5253.4	5352.2	5482.8	5594.4	5674.0
-35°	5654.2	5638.6	5639.9	5668.9	5639.9	5638.6	5654.2	5690.9	5745.9	5798.8	5808.1
-37.5°	5862.1	5874.3	5888.1	5891.6	5888.1	5874.3	5862.1	5859.5	5869.6	5884.8	5800.5
-40°	5919.8	5943.7	5961.7	5968.0	5961.7	5943.7	5919.8	5893.3	5847.7	5780.1	5586.0
-42.5°	5848.3	5895.9	5921.1	5927.1	5921.1	5895.9	5848.3	5777.9	5618.6	5389.7	4985.6
-45°	5444.0	5656.0	5775.8	5808.2	5775.8	5656.0	5444.0	5151.8	4749.4	4285.4	3781.3
-47.5°	4112.3	4445.1	4676.7	4783.7	4676.7	4445.1	4112.3	3740.7	3358.7	2978.0	2600.5
-50°	2597.1	2651.9	2692.9	2718.3	2692.9	2651.9	2597.1	2539.2	2484.0	2429.3	2366.6
-52.5°	2396.0	2416.2	2427.9	2432.8	2427.9	2416.2	2396.0	2373.4	2347.3	2313.4	2276.3
-55°	2313.2	2331.8	2340.0	2341.3	2340.0	2331.8	2313.2	2291.4	2266.1	2232.7	2198.0
-57.5°	2211.0	2239.4	2251.9	2253.9	2251.9	2239.4	2211.0	2177.0	2137.7	2091.6	2040.3
-60°	2005.4	2032.9	2046.5	2051.7	2046.5	2032.9	2005.4	1972.1	1932.7	1887.3	1837.0
-62.5°	1782.8	1812.8	1821.9	1820.9	1821.9	1812.8	1782.8	1747.4	1706.6	1662.1	1613.3
-65°	1536.2	1563.6	1571.5	1570.9	1571.5	1563.6	1536.2	1503.9	1467.0	1427.1	1384.0
-67.5°	1295.9	1320.1	1328.4	1330.5	1328.4	1320.1	1295.9	1267.9	1236.4	1202.8	1167.6
-70°	1072.9	1092.0	1096.8	1096.9	1096.8	1092.0	1072.9	1050.6	1025.3	997.7	968.8
-72.5°	879.9	896.5	899.2	898.8	899.2	896.5	879.9	861.5	841.3	819.7	797.5
-75°	736.6	749.7	750.2	748.6	750.2	749.7	736.6	722.6	707.7	692.0	675.2
-77.5°	641.5	651.2	653.2	654.3	653.2	651.2	641.5	631.2	620.2	608.3	594.4
-80°	573.9	583.2	583.0	581.9	583.0	583.2	573.9	564.1	553.8	543.1	531.3
-82.5°	503.3	511.2	511.3	510.9	511.3	511.2	503.3	495.0	486.4	477.5	467.9
-85°	428.7	433.8	433.6	433.0	433.6	433.8	428.7	423.4	417.9	412.1	404.1
-87.5°	362.3	365.9	366.1	366.1	366.1	365.9	362.3	358.6	354.8	350.9	344.9
-90°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	299.9	295.4	291.0	285.9	280.8	275.6	270.5	263.0	255.5	247.9	240.4
87.5°	2.0	2.3	2.6	2.6	2.6	2.6	2.7	3.1	3.4	3.8	4.1
85°	2.1	2.4	2.7	2.7	2.7	2.7	2.7	3.1	3.4	3.8	4.1
82.5°	2.6	2.6	2.7	2.9	3.1	3.3	3.4	3.5	3.6	3.9	4.1
80°	2.7	2.7	2.7	3.1	3.5	3.8	4.1	4.2	4.1	4.1	4.2
77.5°	2.7	2.7	2.8	3.1	3.5	3.8	4.2	4.5	4.7	4.9	4.9
75°	4.1	4.1	4.1	4.3	4.3	4.1	4.2	4.6	4.9	5.3	5.5
72.5°	9.2	8.9	8.7	8.6	8.4	8.4	8.1	7.5	6.8	6.0	5.7
70°	14.0	14.4	15.1	16.1	16.3	15.9	15.4	14.0	11.6	10.0	9.0
67.5°	14.6	15.7	17.6	19.8	20.9	21.7	23.4	24.3	23.2	20.6	15.9
65°	11.9	13.8	15.9	17.7	19.9	22.9	29.0	32.3	33.1	32.1	26.8
62.5°	7.5	9.1	10.9	13.1	15.5	19.6	27.5	34.1	39.6	41.3	35.5
60°	4.0	4.3	6.6	8.7	10.8	15.4	23.5	32.2	41.4	42.5	40.6
57.5°	4.5	5.2	7.1	8.3	8.4	13.8	21.0	27.9	36.4	41.4	41.6
55°	9.9	11.6	13.8	14.2	13.8	19.8	23.4	27.6	35.4	40.3	43.4
52.5°	32.3	41.3	41.7	30.6	32.9	40.3	35.2	37.7	44.3	50.7	51.2
50°	128.0	130.8	117.8	96.0	104.8	93.5	82.8	69.3	78.8	80.8	69.8
47.5°	317.3	291.5	259.8	234.8	228.9	225.7	196.1	159.7	170.3	137.0	120.7
45°	539.4	500.4	449.3	406.8	372.9	357.6	350.9	328.1	306.3	276.6	194.1
42.5°	1012.0	829.5	678.7	613.1	523.5	485.9	465.1	461.5	451.3	432.4	369.7
40°	1584.3	1568.5	1305.1	950.9	787.8	632.6	579.6	556.8	556.6	553.3	519.0
37.5°	1884.7	1845.4	1773.7	1609.0	1232.0	965.4	768.9	661.8	634.9	633.5	609.8
35°	1954.1	1944.9	1942.6	1868.1	1745.2	1483.5	1141.7	860.1	729.5	699.7	686.8
32.5°	2005.6	2022.7	2031.6	2016.0	2025.5	2017.5	1691.5	1254.9	871.4	783.2	751.7
30°	2080.0	2104.7	2116.1	2153.5	2228.2	2260.4	2258.6	1746.9	1215.6	871.4	821.9
27.5°	2176.8	2196.7	2221.2	2346.4	2410.9	2455.9	2483.5	2335.4	1597.1	1114.2	904.1
25°	2374.2	2311.5	2454.1	2582.8	2639.1	2663.8	2735.3	2668.7	2164.8	1399.5	989.4
22.5°	2678.9	2592.9	2654.3	2864.6	2885.4	2901.3	2952.9	2968.8	2731.9	1811.9	1238.2
20°	3053.4	2893.6	2878.4	2988.6	3093.5	3111.7	3167.4	3193.3	2973.9	2315.9	1520.0
17.5°	3543.4	3223.7	3070.4	3105.4	3227.8	3290.1	3347.8	3365.5	3212.7	2769.6	1803.4
15°	4397.7	3605.8	3320.2	3253.8	3334.1	3440.1	3515.8	3572.1	3427.1	3063.9	2180.4
12.5°	7148.0	4042.2	3561.2	3359.2	3400.9	3549.2	3665.2	3734.7	3595.8	3260.9	2553.1
10°	10286.3	5173.6	3882.4	3561.3	3489.4	3618.8	3769.1	3815.8	3709.9	3423.5	2867.7
7.5°	15484.8	6644.0	4185.6	3756.8	3602.4	3677.7	3813.8	3871.9	3806.7	3551.8	3127.2
5°	19223.4	7842.1	4477.6	3950.4	3728.5	3770.5	3864.4	3929.7	3887.2	3651.2	3334.9
2.5°	22145.0	8959.1	4733.0	4120.2	3848.0	3877.3	3966.7	3989.8	3922.7	3663.9	3419.2
0°	24062.1	9467.7	4835.6	4204.5	3938.2	3961.4	4147.2	4052.9	3932.7	3648.6	3462.8
-2.5°	23867.6	9218.5	4880.8	4262.6	4025.0	4069.2	4290.5	4295.3	4023.2	3687.0	3496.6
-5°	22603.2	9209.3	4980.1	4353.2	4132.5	4193.6	4415.6	4444.6	4103.2	3739.3	3486.8
-7.5°	18282.2	8247.1	4993.3	4420.2	4244.6	4334.9	4526.9	4505.1	4198.2	3891.7	3528.7
-10°	12230.7	6561.9	4937.7	4491.2	4373.7	4496.8	4644.2	4563.2	4293.4	4034.2	3511.1
-12.5°	9039.7	5537.3	4862.6	4540.2	4523.1	4704.1	4778.3	4620.0	4396.1	4166.2	3427.3
-15°	6306.8	5282.0	4849.3	4689.1	4737.3	4888.8	4892.1	4656.4	4452.0	4254.3	3272.0
-17.5°	5506.1	5083.7	4841.2	4831.7	4979.0	5036.9	4915.9	4690.2	4473.9	4115.8	2984.4
-20°	5137.6	4944.5	4971.6	5076.4	5195.9	5189.8	4931.2	4714.4	4457.4	3737.6	2653.9



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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°	4973.0	5016.2	5136.5	5342.2	5375.2	5200.3	4954.6	4716.3	4401.9	3291.3	2311.0
-25°	5043.0	5207.6	5427.8	5514.0	5445.3	5195.0	4965.6	4669.1	3921.7	2849.4	2011.6
-27.5°	5271.7	5513.8	5657.7	5632.9	5429.5	5186.8	4918.3	4489.6	3367.0	2459.7	1997.4
-30°	5571.0	5697.7	5743.7	5643.6	5393.4	5139.5	4839.6	3834.2	2866.6	2135.1	1964.5
-32.5°	5759.4	5758.0	5710.8	5545.7	5328.8	5068.9	4195.3	3177.4	2350.8	2088.1	1941.4
-35°	5804.2	5688.1	5531.8	5380.4	5271.1	4425.4	3456.4	2577.1	2199.8	2040.0	1919.7
-37.5°	5666.1	5467.3	5283.3	5054.3	4403.3	3589.9	2686.8	2281.3	2124.3	2011.9	1901.7
-40°	5344.5	5129.2	4605.3	4048.5	3384.8	2623.8	2339.2	2183.8	2082.1	1984.6	1883.4
-42.5°	4533.1	4058.6	3554.1	2980.4	2477.5	2353.6	2231.8	2134.5	2041.7	1954.5	1812.3
-45°	3368.4	2943.3	2525.4	2428.6	2316.6	2240.7	2173.0	2090.6	2007.6	1871.7	1719.7
-47.5°	2483.2	2417.5	2341.5	2287.8	2230.2	2171.5	2118.5	2048.5	1907.3	1762.8	1606.3
-50°	2313.7	2283.3	2248.1	2210.1	2167.1	2118.4	2030.8	1922.1	1783.4	1636.3	1486.1
-52.5°	2236.2	2206.2	2177.0	2147.2	2076.3	1982.7	1884.1	1772.9	1643.9	1501.0	1357.0
-55°	2162.4	2109.5	2050.2	1985.8	1913.9	1819.5	1719.7	1611.2	1490.8	1356.1	1227.6
-57.5°	1984.4	1926.1	1866.3	1801.8	1732.9	1640.6	1538.9	1434.9	1330.2	1210.7	1096.4
-60°	1781.9	1724.3	1664.4	1597.9	1525.0	1441.7	1355.8	1263.4	1164.4	1073.2	980.9
-62.5°	1559.7	1501.5	1446.1	1388.9	1329.3	1263.4	1183.9	1106.2	1027.0	945.3	860.2
-65°	1336.8	1285.5	1238.1	1194.0	1147.3	1097.4	1028.8	958.2	885.8	811.9	736.8
-67.5°	1129.4	1088.5	1050.6	1013.0	972.6	928.7	869.3	806.0	749.1	693.6	635.1
-70°	936.7	901.4	867.3	833.8	802.9	772.3	730.9	683.6	634.7	594.0	556.3
-72.5°	773.3	747.1	721.7	697.8	671.4	649.9	624.5	593.1	560.8	527.6	496.8
-75°	657.3	638.4	620.2	605.0	588.6	571.1	552.5	529.2	505.9	482.7	459.4
-77.5°	580.0	565.2	551.1	540.3	528.8	516.8	502.3	482.1	462.0	441.8	421.3
-80°	519.2	506.9	494.7	485.1	475.2	465.0	453.3	435.8	418.2	400.4	382.4
-82.5°	457.9	447.7	437.4	429.2	420.8	412.1	402.6	387.5	372.4	357.2	342.0
-85°	396.0	387.7	379.3	372.8	366.2	359.4	352.1	339.7	327.2	314.6	302.0
-87.5°	338.9	332.9	326.9	321.9	316.8	311.6	306.2	296.5	286.8	277.1	267.4
-90°	1.4	1.4	1.4	1.7	2.1	2.4	2.7	3.1	3.4	3.8	4.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	231.5	222.7	213.8	204.9	193.0	181.0	169.1	157.1	144.5	131.8	119.2
87.5°	4.1	4.1	4.1	4.1	4.5	4.8	5.2	5.5	5.5	5.5	5.5
85°	4.1	4.1	4.1	4.1	4.5	4.8	5.2	5.5	5.5	5.5	5.5
82.5°	4.1	4.1	4.1	4.1	4.5	4.8	5.2	5.5	5.6	5.5	5.5
80°	4.4	4.5	4.6	4.6	4.7	4.9	5.2	5.6	5.9	6.0	5.9
77.5°	4.9	5.0	5.2	5.4	5.5	5.5	5.6	5.8	6.2	6.5	6.5
75°	5.5	5.4	5.4	5.7	6.1	6.2	6.2	6.5	7.1	7.1	7.2
72.5°	5.8	5.9	5.8	6.0	6.7	7.1	7.1	7.4	8.2	8.4	8.1
70°	7.9	6.8	6.5	7.2	7.9	8.1	8.2	8.9	9.4	9.8	9.6
67.5°	11.5	10.2	8.9	9.0	9.7	10.0	9.7	10.8	11.6	11.3	11.1
65°	21.1	16.1	12.3	13.2	13.0	12.3	12.1	13.3	14.0	13.8	12.6
62.5°	29.8	24.0	20.2	18.8	17.7	16.6	15.0	16.8	16.8	16.5	15.0
60°	37.4	31.2	29.1	28.0	24.9	21.7	20.8	20.6	20.8	19.3	17.8
57.5°	39.6	37.3	39.7	38.5	34.9	29.6	28.0	27.3	25.0	23.2	20.8
55°	41.5	42.0	51.0	51.3	46.5	39.9	38.0	35.8	30.4	27.5	24.6
52.5°	48.1	54.7	64.0	65.9	60.7	53.4	52.3	45.1	39.6	32.0	29.8
50°	63.6	76.1	83.6	84.1	76.9	74.1	68.0	59.9	49.4	38.0	35.5
47.5°	107.3	118.0	111.4	107.4	98.7	98.3	90.4	76.4	59.7	47.6	41.6
45°	194.9	184.9	160.1	139.5	131.3	130.3	117.3	93.9	75.8	59.4	48.2
42.5°	301.5	280.1	242.4	176.1	176.7	167.9	146.9	120.1	92.7	71.8	57.4
40°	446.3	392.4	340.3	271.6	228.8	209.7	184.5	149.4	110.5	86.3	68.6
37.5°	578.5	511.6	453.7	366.1	293.2	262.3	225.7	180.8	133.7	104.3	80.0
35°	658.5	619.8	554.1	457.6	376.3	319.1	269.8	216.0	162.7	122.7	91.6
32.5°	727.3	704.2	637.2	545.1	454.6	379.9	320.4	252.7	191.1	141.5	103.4
30°	791.3	766.9	719.8	626.3	528.9	448.4	371.5	287.9	218.9	160.6	116.2
27.5°	858.2	830.0	797.3	701.9	600.4	512.6	414.8	321.5	246.0	181.3	131.9
25°	927.1	891.7	855.6	776.6	666.5	563.5	456.2	353.6	273.9	204.1	147.4
22.5°	1005.6	951.0	913.6	850.4	726.5	615.0	497.7	388.9	301.1	226.1	162.7
20°	1083.2	1008.3	969.3	910.1	786.1	666.5	540.3	422.3	326.8	247.1	177.7
17.5°	1187.3	1068.7	1013.6	952.2	842.0	716.1	582.1	453.6	350.9	267.1	192.3
15°	1431.9	1133.8	1057.7	992.9	893.0	763.6	622.6	482.8	373.3	286.0	205.8
12.5°	1687.9	1198.4	1101.8	1031.9	939.0	808.6	661.5	509.7	394.0	303.2	217.5
10°	1946.0	1261.5	1145.4	1069.2	980.2	850.8	698.2	537.4	416.6	318.9	228.3
7.5°	2196.3	1322.2	1187.8	1104.4	1017.1	887.3	732.8	569.7	438.7	333.4	238.0
5°	2410.6	1376.1	1230.5	1142.4	1051.2	917.1	763.2	599.9	459.5	346.7	246.7
2.5°	2514.3	1419.0	1271.7	1179.0	1082.0	942.7	789.3	627.8	478.7	358.5	254.3
0°	2573.5	1456.2	1310.0	1213.0	1109.2	964.4	811.4	652.9	495.9	368.8	260.9
-2.5°	2569.2	1491.4	1346.6	1248.8	1148.0	993.9	829.5	666.9	509.2	380.9	269.8
-5°	2523.1	1521.5	1380.2	1282.1	1182.1	1018.7	843.7	677.8	520.1	391.1	277.6
-7.5°	2490.1	1555.9	1413.1	1313.3	1210.9	1038.1	854.0	685.4	528.7	399.4	284.1
-10°	2419.2	1589.9	1446.4	1342.5	1228.5	1050.9	860.8	689.9	535.0	405.6	289.2
-12.5°	2294.0	1616.7	1475.4	1367.9	1239.8	1058.2	868.7	694.5	539.3	409.6	293.0
-15°	2112.3	1635.8	1499.8	1389.2	1245.7	1060.6	871.9	697.2	543.1	411.9	295.3
-17.5°	1872.2	1646.9	1519.4	1406.3	1246.2	1058.3	870.4	696.1	544.3	412.7	297.0
-20°	1833.5	1660.5	1534.1	1419.0	1241.3	1051.3	864.0	691.1	542.6	411.2	297.9



REPORT NUMBER: P731573 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	1835.3	1678.0	1550.5	1411.9	1229.8	1039.6	852.7	682.2	538.1	407.6	297.1
-25°	1829.8	1689.8	1565.0	1404.3	1211.9	1023.1	838.1	669.4	530.8	401.6	294.6
-27.5°	1831.1	1697.5	1576.6	1389.8	1194.4	1000.9	820.4	658.5	521.1	393.5	290.4
-30°	1831.5	1705.7	1560.4	1367.3	1169.9	976.1	798.2	644.5	509.8	385.8	284.6
-32.5°	1821.0	1711.2	1530.2	1333.9	1137.6	945.8	773.1	627.2	495.8	377.7	281.4
-35°	1811.9	1678.5	1492.0	1292.8	1098.1	914.7	747.7	606.6	479.2	367.4	278.3
-37.5°	1795.1	1619.8	1438.9	1243.4	1051.9	878.4	723.1	585.3	460.0	355.1	274.0
-40°	1724.2	1550.3	1369.8	1186.0	1004.8	837.0	694.0	561.1	442.3	340.6	268.6
-42.5°	1645.0	1468.4	1293.1	1119.6	953.9	799.9	660.8	532.8	423.1	330.1	262.0
-45°	1549.2	1379.0	1209.5	1051.9	899.3	758.2	625.0	501.9	401.2	321.1	256.2
-47.5°	1445.9	1281.8	1125.9	979.0	847.1	712.2	584.6	474.4	377.2	310.6	252.5
-50°	1334.2	1183.4	1040.9	909.8	786.6	662.1	542.8	444.0	362.4	297.9	248.0
-52.5°	1219.5	1085.5	958.5	839.3	722.2	607.3	505.3	412.4	345.9	288.8	242.6
-55°	1103.6	991.6	877.4	764.2	653.7	557.8	464.9	391.2	327.6	280.8	236.7
-57.5°	996.6	898.0	790.7	684.5	590.8	506.7	432.2	368.0	315.3	272.0	231.7
-60°	888.8	796.0	699.0	611.8	530.5	462.1	403.4	347.0	304.3	262.9	225.5
-62.5°	775.0	693.3	618.7	541.6	480.0	426.4	375.4	333.4	292.4	254.6	218.6
-65°	671.4	605.2	540.2	490.0	439.7	394.0	358.4	318.9	281.4	245.6	211.1
-67.5°	575.9	533.6	491.0	444.8	407.7	373.7	340.1	305.1	270.0	236.0	202.9
-70°	517.9	479.2	447.6	416.5	384.4	352.8	323.0	291.1	258.0	225.4	194.1
-72.5°	470.6	444.3	418.2	390.2	361.3	333.1	305.4	276.2	244.6	214.1	184.9
-75°	435.6	412.1	388.9	364.7	338.3	312.4	286.5	259.7	230.5	202.3	175.1
-77.5°	400.5	379.8	359.5	338.0	313.7	289.9	266.4	242.6	215.8	189.8	164.8
-80°	364.1	345.9	327.9	309.3	287.8	266.6	245.6	224.4	200.2	176.7	154.1
-82.5°	326.5	311.1	295.6	279.8	260.9	242.2	223.9	205.5	184.1	163.3	144.1
-85°	288.9	275.8	262.6	249.3	233.3	217.4	202.7	187.8	170.1	152.9	136.0
-87.5°	257.1	246.7	236.4	225.9	212.7	199.3	186.0	172.6	157.4	142.5	127.7
-90°	4.1	4.1	4.1	4.1	4.5	4.8	5.2	5.5	5.5	5.5	5.5



REPORT NUMBER: P731573 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	106.5	88.7	71.0	53.2	35.5	21.8	8.2
87.5°	5.5	5.6	5.7	5.8	5.7	7.1	8.2
85°	5.5	5.8	6.0	6.0	6.0	7.3	8.2
82.5°	5.5	6.0	6.2	6.3	6.2	7.6	8.2
80°	5.6	6.1	6.5	6.6	6.5	7.8	8.2
77.5°	6.4	6.6	6.7	6.8	6.8	8.1	8.2
75°	7.2	7.5	7.1	7.1	7.1	8.3	8.2
72.5°	8.1	8.5	8.1	7.4	7.4	8.6	8.2
70°	9.1	9.5	9.1	7.8	7.7	8.9	8.2
67.5°	10.9	10.6	10.1	8.7	8.1	9.1	8.2
65°	12.8	12.1	11.2	9.6	8.5	9.4	8.2
62.5°	14.8	14.1	12.2	10.5	8.9	9.7	8.2
60°	16.9	16.2	13.3	11.5	9.3	9.9	8.2
57.5°	20.3	18.3	15.2	12.4	10.2	10.2	8.2
55°	23.9	20.6	17.2	13.3	11.2	10.5	8.2
52.5°	27.8	23.1	19.2	14.3	12.2	10.8	8.2
50°	31.9	26.7	21.2	15.2	13.2	11.1	8.2
47.5°	36.4	30.4	23.3	16.3	14.2	11.4	8.2
45°	42.1	34.2	25.3	17.9	15.3	11.7	8.2
42.5°	48.1	38.2	27.5	19.4	16.4	12.0	8.2
40°	54.4	42.2	30.1	21.5	17.5	12.3	8.2
37.5°	60.8	46.3	33.2	24.0	18.7	12.6	8.2
35°	67.5	51.1	36.4	26.4	19.9	12.8	8.2
32.5°	75.2	56.4	39.5	28.9	21.1	13.1	8.2
30°	84.8	61.8	42.6	31.5	22.3	13.4	8.2
27.5°	94.3	67.1	47.0	34.0	23.5	13.7	8.2
25°	103.7	72.4	51.6	36.6	24.7	14.0	8.2
22.5°	113.0	78.1	56.1	39.2	25.9	14.3	8.2
20°	122.2	84.6	60.5	41.7	27.1	14.6	8.2
17.5°	131.3	90.8	64.9	44.3	28.3	14.8	8.2
15°	140.1	96.8	69.1	46.8	29.4	15.1	8.2
12.5°	148.5	102.6	73.3	49.2	30.6	15.3	8.2
10°	156.3	108.1	77.3	51.6	31.7	15.6	8.2
7.5°	163.5	113.3	81.1	53.9	32.7	15.8	8.2
5°	170.2	118.2	84.8	56.1	33.7	16.0	8.2
2.5°	176.3	122.8	88.3	58.1	34.6	16.2	8.2
0°	181.7	127.0	91.5	60.1	35.5	16.4	8.2
-2.5°	188.1	132.3	95.6	63.3	37.4	17.2	8.2
-5°	193.9	137.2	99.4	66.3	39.3	18.0	8.2
-7.5°	199.0	141.7	103.0	69.1	41.1	18.7	8.2
-10°	203.4	145.9	106.4	71.8	42.7	19.5	8.2
-12.5°	207.1	149.7	109.4	74.3	44.3	20.2	8.2
-15°	210.1	153.0	112.3	76.6	45.8	20.9	8.2
-17.5°	212.4	155.9	114.8	78.7	47.1	21.5	8.2
-20°	214.3	158.4	117.1	80.6	48.3	22.1	8.2



REPORT NUMBER: P731573 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-1S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	216.1	160.5	119.1	82.3	49.4	22.7	8.2
-25°	217.0	162.5	120.8	83.7	50.4	23.2	8.2
-27.5°	217.0	164.1	122.3	85.0	51.2	23.7	8.2
-30°	216.0	165.2	123.5	86.0	51.9	24.2	8.2
-32.5°	214.1	165.8	124.5	86.7	52.4	24.6	8.2
-35°	213.5	165.9	125.1	87.3	52.8	25.0	8.2
-37.5°	213.0	165.7	125.4	87.5	53.0	25.3	8.2
-40°	211.9	165.7	125.3	87.6	53.1	25.6	8.2
-42.5°	210.1	165.2	125.0	87.3	53.0	25.9	8.2
-45°	207.7	164.2	124.3	86.9	52.8	26.1	8.2
-47.5°	204.6	162.8	123.3	86.1	52.4	26.2	8.2
-50°	202.0	160.9	121.9	85.2	51.9	26.3	8.2
-52.5°	199.0	158.5	120.2	84.2	51.2	26.3	8.2
-55°	195.4	155.8	118.2	82.8	50.4	26.3	8.2
-57.5°	191.3	152.6	115.8	81.3	49.5	26.3	8.2
-60°	186.6	149.0	113.1	79.5	48.4	26.2	8.2
-62.5°	181.4	144.9	110.2	77.5	47.9	26.1	8.2
-65°	175.7	140.5	106.9	75.3	47.2	25.9	8.2
-67.5°	169.5	135.6	103.4	72.9	46.5	25.6	8.2
-70°	162.8	130.5	99.6	70.2	45.6	25.4	8.2
-72.5°	155.7	125.0	95.5	68.4	44.7	25.1	8.2
-75°	148.2	119.1	91.2	66.7	43.6	24.7	8.2
-77.5°	140.2	113.0	88.1	64.8	42.5	24.3	8.2
-80°	131.9	107.9	85.0	62.7	41.2	23.9	8.2
-82.5°	125.7	103.5	81.7	60.5	39.9	23.4	8.2
-85°	119.5	98.8	78.3	58.2	38.5	22.9	8.2
-87.5°	113.1	93.8	74.7	55.8	37.0	22.4	8.2
-90°	5.5	5.5	5.5	5.5	5.5	6.9	8.2

(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

