

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: P731549 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-1S-VHE**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731549 (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-57-70-1S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

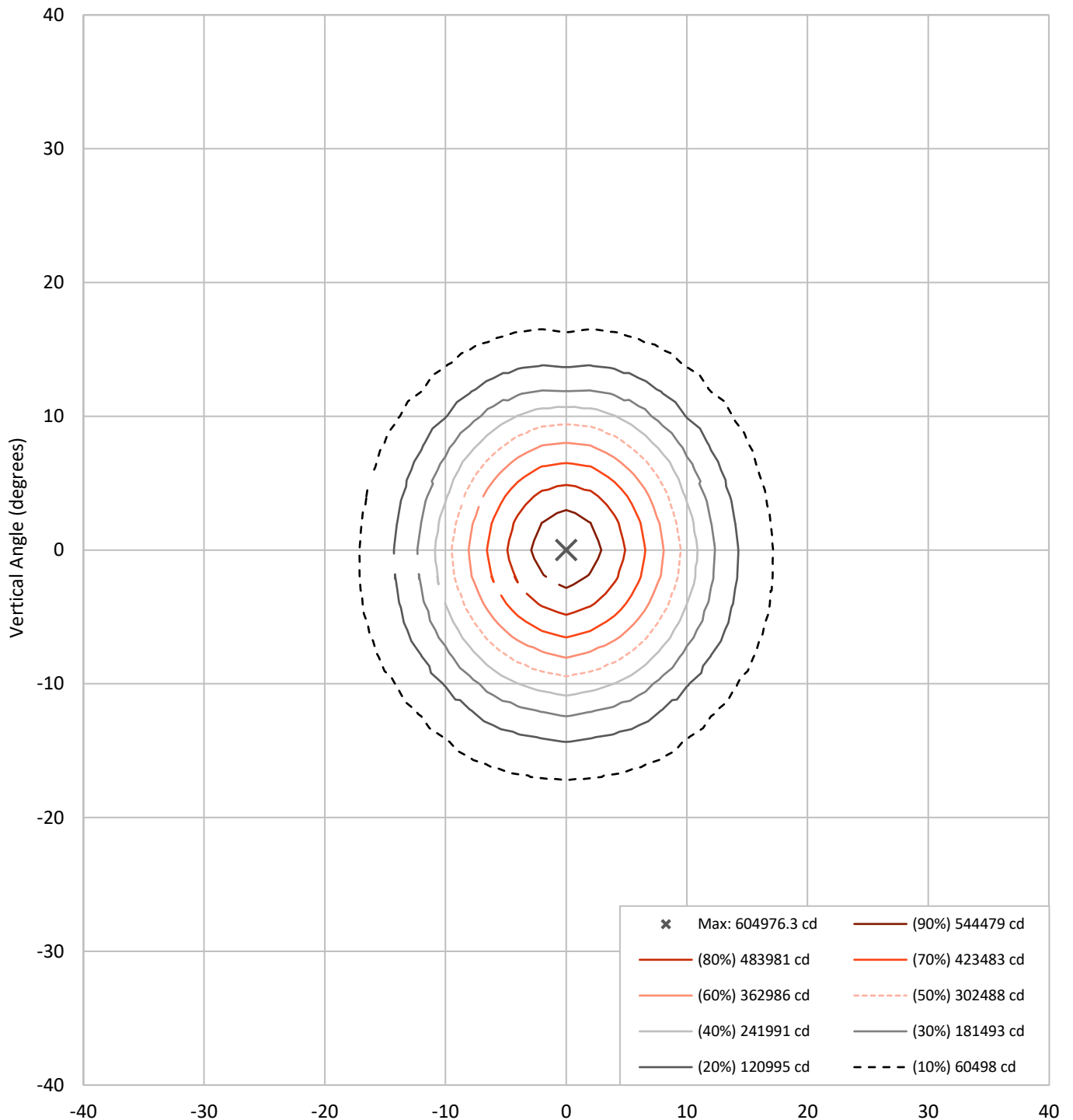
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79741.7 lumens	Max Intensity:	604976.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	138.2 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:	35348.1 lumens	Field Lumens:	64381.1 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





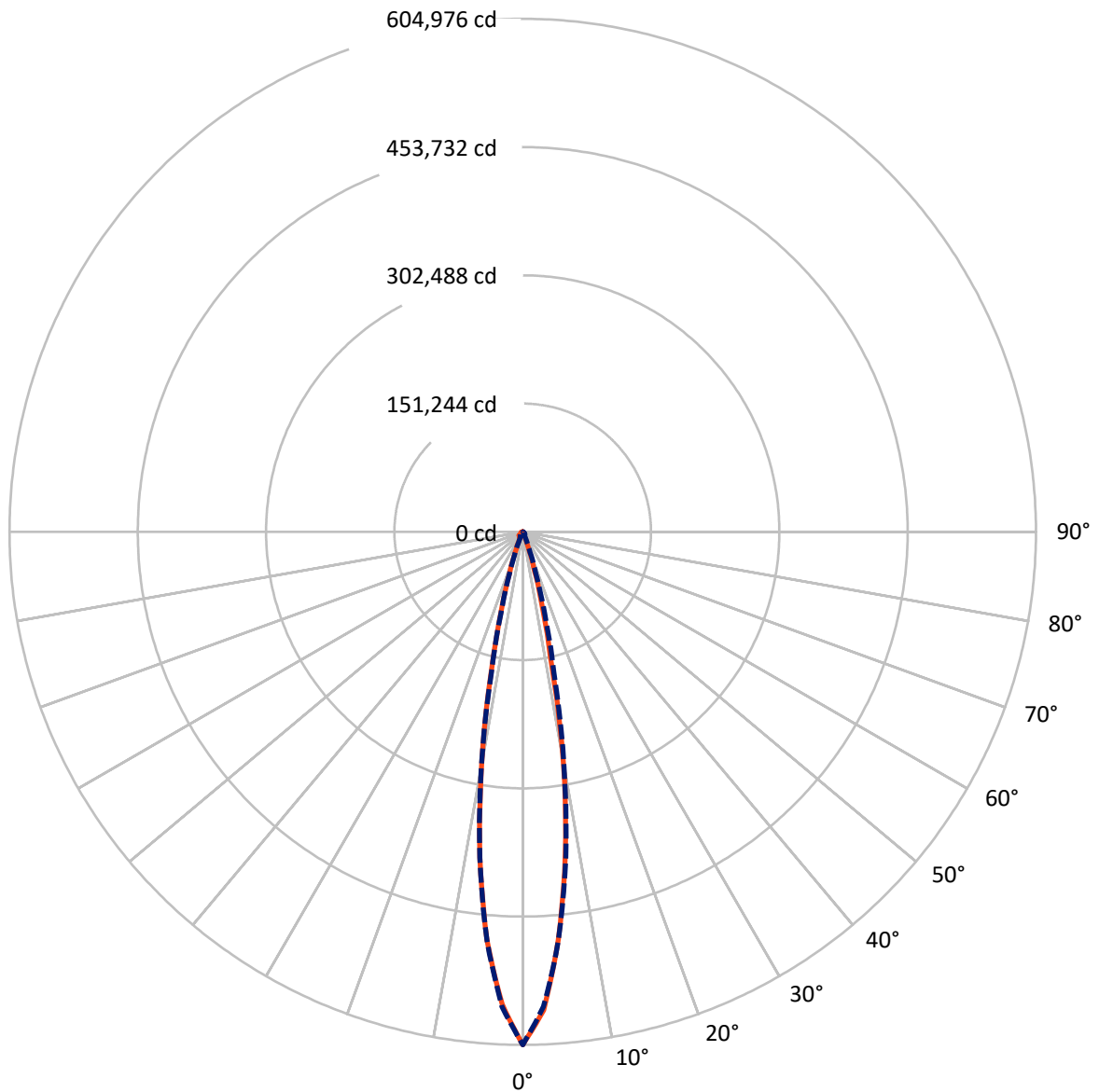
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Lumen Table

90	0.3	1.1		2.0		2.7		3.0		2.7		2.0		1.1		0.3
80	0.3	1.1		2.0		2.7		3.0		2.7		2.0		1.1		0.3
70	0.4	0.2	0.3	0.6	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.3	0.2	0.4
60		0.5	0.9	1.1	0.9	0.9	1.1	1.2	1.2	1.1	0.9	0.9	1.1	0.9	0.5	
50	1.1	1.4	3.0	5.8	9.0	15.5	23.6	26.1	26.1	23.6	15.5	9.0	5.8	3.0	1.4	1.1
40		3.1	8.6	15.5	32.6	53.3	59.7	62.7	62.7	59.7	53.3	32.6	15.5	8.6	3.1	
30	2.6	5.1	14.0	28.8	68.6	72.8	88.3	146.2	146.2	88.3	72.8	68.6	28.8	14.0	5.1	2.6
20		7.0	18.1	51.4	90.9	107.3	668.2	2662.8	2662.8	668.2	107.3	90.9	51.4	18.1	7.0	
10	3.9	8.5	21.2	68.0	101.4	200.2	2699.9	11232.9	11232.9	2699.9	200.2	101.4	68.0	21.2	8.5	3.9
0		9.6	23.7	72.6	112.8	223.9	2838.4	11178.8	11178.8	2838.4	223.9	112.8	72.6	23.7	9.6	
-10	4.5	9.9	25.4	71.7	124.9	153.9	788.1	2885.2	2885.2	788.1	153.9	124.9	71.7	25.4	9.9	4.5
-20		9.6	25.7	55.4	127.3	155.9	170.1	264.1	264.1	170.1	155.9	127.3	55.4	25.7	9.6	
-30	4.3	8.6	24.0	44.2	93.2	156.6	176.0	178.0	178.0	176.0	156.6	93.2	44.2	24.0	8.6	4.3
-40		7.2	19.7	38.7	57.8	87.3	129.3	161.3	161.3	129.3	87.3	57.8	38.7	19.7	7.2	
-50	3.6	5.6	14.3	28.2	44.9	58.6	68.2	74.5	74.5	68.2	58.6	44.9	28.2	14.3	5.6	3.6
-60		4.4	9.3	17.2	27.2	36.5	44.5	49.8	49.8	44.5	36.5	27.2	17.2	9.3	4.4	
-70	2.5	16.8	40.2		63.1		75.3		63.1		40.2		16.8		2.5	
-80		16.8	40.2		63.1		75.3		63.1		40.2		16.8			
-90	2.5	16.8		40.2		63.1		75.3		63.1		40.2		16.8		2.5

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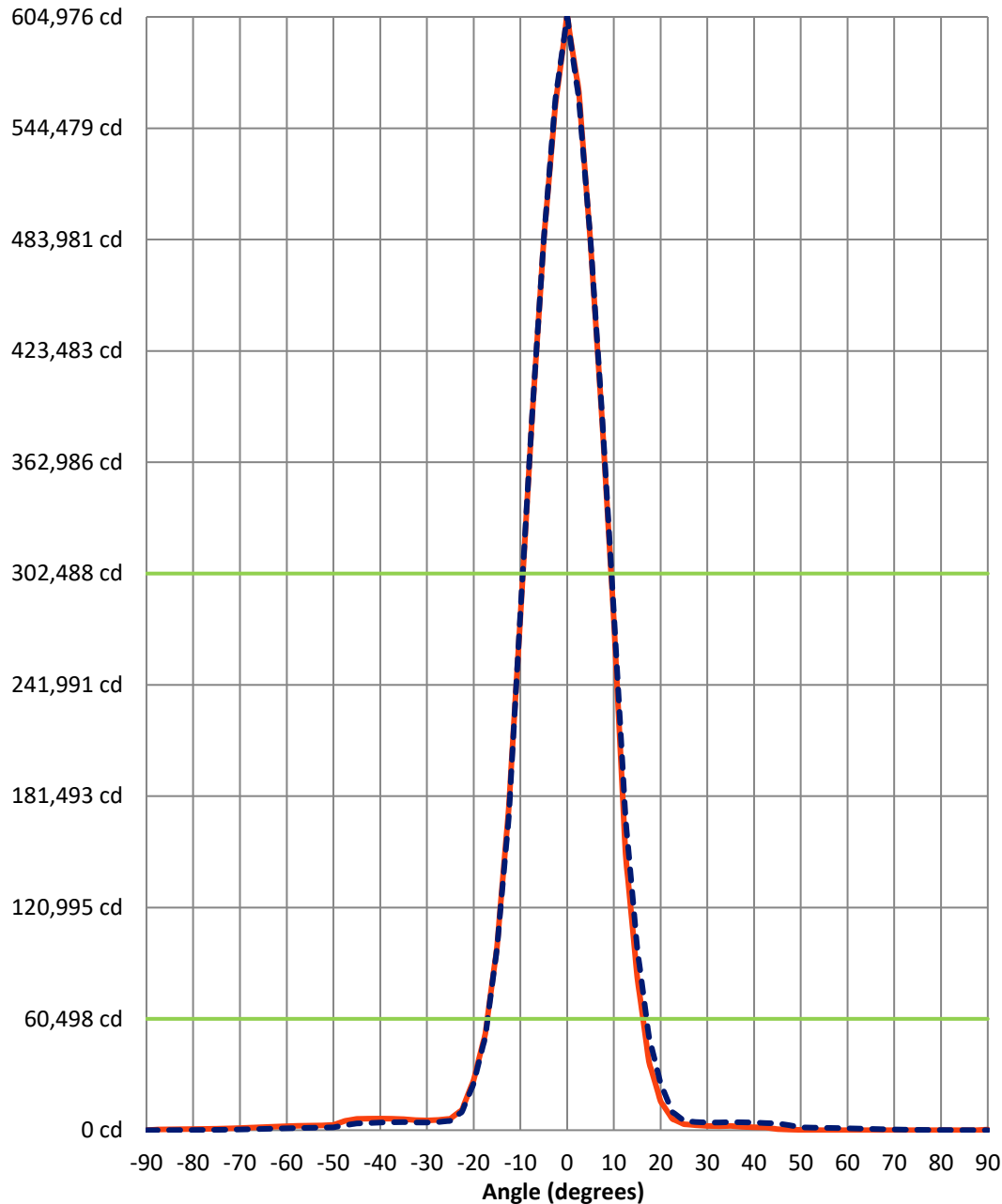
Luminous Intensity Polar Plot



— 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: 35348.1
 Efficiency: 44.3%

Field:
 H Angle: 34°
 V Angle: 33.3°
 Lumens: 64381.1
 Efficiency: 80.7%

Spill:
 Lumens: 15360.5
 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°	8.7	23.1	37.5	56.3	75.0	93.8	112.6	126.0	139.4	152.7	166.1
87.5°	8.7	7.5	6.1	6.1	6.1	6.0	5.8	5.8	5.8	5.8	5.8
85°	8.7	7.8	6.3	6.4	6.3	6.1	5.8	5.8	5.8	5.8	5.8
82.5°	8.7	8.0	6.6	6.7	6.6	6.3	5.8	5.8	5.8	5.9	5.8
80°	8.7	8.3	6.9	6.9	6.8	6.5	6.0	6.2	6.4	6.2	5.9
77.5°	8.7	8.5	7.2	7.2	7.1	6.9	6.8	6.9	6.9	6.6	6.1
75°	8.7	8.8	7.5	7.5	7.5	7.9	7.6	7.6	7.6	7.5	6.9
72.5°	8.7	9.1	7.8	7.8	8.6	9.0	8.6	8.6	8.9	8.7	7.8
70°	8.7	9.4	8.2	8.3	9.6	10.0	9.7	10.1	10.3	9.9	9.4
67.5°	8.7	9.6	8.6	9.2	10.7	11.2	11.5	11.7	11.9	12.3	11.4
65°	8.7	9.9	9.0	10.2	11.8	12.8	13.5	13.3	14.6	14.8	14.0
62.5°	8.7	10.2	9.4	11.1	12.9	14.9	15.6	15.8	17.4	17.8	17.8
60°	8.7	10.5	9.8	12.1	14.1	17.1	17.8	18.7	20.4	22.0	21.8
57.5°	8.7	10.8	10.8	13.1	16.1	19.3	21.4	22.0	24.5	26.4	28.8
55°	8.7	11.1	11.8	14.1	18.1	21.7	25.2	26.0	29.1	32.2	37.8
52.5°	8.7	11.4	12.9	15.0	20.3	24.4	29.3	31.4	33.8	41.8	47.7
50°	8.7	11.7	13.9	16.0	22.4	28.2	33.7	37.5	40.2	52.2	63.3
47.5°	8.7	12.0	15.0	17.2	24.6	32.1	38.4	44.0	50.4	63.1	80.7
45°	8.7	12.3	16.2	18.9	26.8	36.2	44.5	50.9	62.8	80.1	99.2
42.5°	8.7	12.6	17.3	20.5	29.0	40.3	50.8	60.7	75.9	97.9	126.9
40°	8.7	13.0	18.5	22.8	31.8	44.6	57.5	72.5	91.2	116.9	158.0
37.5°	8.7	13.3	19.7	25.3	35.1	48.9	64.3	84.5	110.3	141.3	191.1
35°	8.7	13.6	21.0	27.9	38.5	54.1	71.3	96.8	129.8	172.0	228.4
32.5°	8.7	13.9	22.2	30.6	41.8	59.7	79.4	109.3	149.6	202.0	267.2
30°	8.7	14.2	23.5	33.3	45.1	65.3	89.6	122.9	169.7	231.4	304.3
27.5°	8.7	14.5	24.8	36.0	49.7	70.9	99.7	139.4	191.7	260.1	339.8
25°	8.7	14.8	26.1	38.7	54.5	76.5	109.6	155.8	215.8	289.5	373.8
22.5°	8.7	15.1	27.3	41.4	59.3	82.5	119.5	172.0	239.0	318.3	411.1
20°	8.7	15.4	28.6	44.1	64.0	89.4	129.1	187.8	261.2	345.5	446.4
17.5°	8.7	15.6	29.9	46.8	68.6	96.0	138.8	203.3	282.3	370.9	479.5
15°	8.7	15.9	31.1	49.4	73.1	102.4	148.1	217.5	302.3	394.6	510.3
12.5°	8.7	16.2	32.3	52.0	77.5	108.5	157.0	229.9	320.5	416.5	538.8
10°	8.7	16.4	33.4	54.5	81.7	114.3	165.2	241.3	337.1	440.4	568.1
7.5°	8.7	16.7	34.5	56.9	85.8	119.8	172.9	251.6	352.5	463.7	602.2
5°	8.7	16.9	35.6	59.2	89.7	124.9	179.9	260.8	366.5	485.7	634.3
2.5°	8.7	17.1	36.6	61.4	93.4	129.8	186.3	268.9	379.0	506.0	663.8
0°	8.7	17.3	37.5	63.5	96.8	134.3	192.1	275.8	389.9	524.2	690.3
-2.5°	8.7	18.1	39.5	66.8	101.1	139.9	198.9	285.2	402.6	538.2	705.1
-5°	8.7	19.0	41.5	70.0	105.2	145.1	205.0	293.4	413.4	549.8	716.5
-7.5°	8.7	19.8	43.4	73.0	109.0	149.9	210.4	300.3	422.2	558.9	724.6
-10°	8.7	20.5	45.1	75.9	112.5	154.3	215.1	305.7	428.7	565.6	729.3
-12.5°	8.7	21.3	46.8	78.5	115.7	158.3	219.0	309.7	433.0	570.1	734.2
-15°	8.7	22.0	48.3	81.0	118.7	161.8	222.2	312.2	435.4	574.2	737.0
-17.5°	8.7	22.7	49.8	83.2	121.4	164.9	224.5	314.0	436.2	575.3	735.8
-20°	8.7	23.3	51.0	85.2	123.8	167.5	226.6	314.9	434.7	573.6	730.6



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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°	8.7	24.0	52.2	87.0	125.9	169.7	228.5	314.1	430.8	568.9	721.2
-25°	8.7	24.5	53.2	88.5	127.7	171.8	229.4	311.5	424.6	561.1	707.6
-27.5°	8.7	25.1	54.1	89.8	129.3	173.5	229.4	307.1	415.9	550.9	696.1
-30°	8.7	25.6	54.8	90.9	130.5	174.7	228.4	300.8	407.8	538.9	681.3
-32.5°	8.7	26.0	55.4	91.7	131.6	175.3	226.4	297.4	399.2	524.1	663.0
-35°	8.7	26.4	55.8	92.2	132.2	175.4	225.7	294.2	388.4	506.6	641.3
-37.5°	8.7	26.8	56.0	92.5	132.5	175.2	225.2	289.7	375.3	486.3	618.8
-40°	8.7	27.1	56.1	92.6	132.4	175.2	224.0	283.9	360.0	467.5	593.1
-42.5°	8.7	27.3	56.0	92.3	132.1	174.7	222.1	276.9	348.9	447.2	563.2
-45°	8.7	27.5	55.8	91.8	131.4	173.6	219.5	270.8	339.4	424.1	530.5
-47.5°	8.7	27.7	55.4	91.0	130.3	172.1	216.3	266.9	328.3	398.7	501.4
-50°	8.7	27.8	54.9	90.1	128.9	170.1	213.5	262.1	314.9	383.1	469.4
-52.5°	8.7	27.8	54.1	89.0	127.1	167.6	210.4	256.5	305.2	365.6	436.0
-55°	8.7	27.8	53.3	87.6	124.9	164.7	206.6	250.3	296.8	346.2	413.5
-57.5°	8.7	27.8	52.2	85.9	122.4	161.3	202.2	244.9	287.6	333.3	389.0
-60°	8.7	27.7	51.1	84.0	119.5	157.5	197.3	238.4	277.9	321.6	366.8
-62.5°	8.7	27.5	50.5	81.9	116.5	153.2	191.8	231.1	269.2	309.1	352.5
-65°	8.7	27.3	49.9	79.6	113.1	148.5	185.8	223.1	259.7	297.5	337.1
-67.5°	8.7	27.1	49.1	77.0	109.3	143.4	179.2	214.5	249.5	285.5	322.5
-70°	8.7	26.8	48.2	74.2	105.3	138.0	172.2	205.2	238.3	272.7	307.8
-72.5°	8.7	26.5	47.2	72.3	101.0	132.1	164.6	195.4	226.4	258.6	292.0
-75°	8.7	26.1	46.1	70.4	96.4	125.9	156.7	185.1	213.9	243.7	274.6
-77.5°	8.7	25.7	44.8	68.4	93.1	119.4	148.2	174.2	200.6	228.1	256.4
-80°	8.7	25.2	43.5	66.3	89.8	114.1	139.5	162.9	186.9	211.6	237.2
-82.5°	8.7	24.8	42.1	64.0	86.4	109.4	132.9	152.4	172.6	194.6	217.2
-85°	8.7	24.2	40.7	61.5	82.8	104.4	126.4	143.8	161.6	179.9	198.5
-87.5°	8.7	23.7	39.1	59.0	79.0	99.2	119.6	135.0	150.6	166.4	182.5
-90°	8.7	7.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	178.7	191.4	204.0	216.6	226.0	235.4	244.8	254.2	262.1	270.1	278.0
87.5°	5.4	5.1	4.7	4.3	4.3	4.3	4.3	4.3	4.0	3.6	3.3
85°	5.4	5.1	4.7	4.3	4.3	4.3	4.3	4.3	4.0	3.6	3.3
82.5°	5.5	5.1	4.7	4.3	4.3	4.3	4.3	4.3	4.1	3.8	3.7
80°	5.5	5.1	4.9	4.8	4.8	4.8	4.6	4.4	4.3	4.3	4.4
77.5°	5.9	5.8	5.8	5.7	5.5	5.3	5.1	5.1	5.1	5.0	4.8
75°	6.6	6.6	6.5	6.0	5.7	5.7	5.8	5.8	5.6	5.2	4.8
72.5°	7.5	7.5	7.1	6.3	6.1	6.2	6.2	6.0	6.3	7.1	7.9
70°	8.7	8.5	8.3	7.6	6.8	7.2	8.4	9.5	10.6	12.3	14.8
67.5°	10.2	10.6	10.3	9.5	9.4	10.8	12.2	16.8	21.8	24.6	25.6
65°	12.8	13.1	13.7	13.9	13.0	17.0	22.3	28.3	34.0	35.1	34.2
62.5°	15.9	17.6	18.7	19.9	21.4	25.4	31.5	37.5	43.7	41.9	36.1
60°	22.0	22.9	26.3	29.6	30.8	33.0	39.6	43.0	44.9	43.8	34.0
57.5°	29.6	31.2	36.8	40.7	41.9	39.4	41.8	44.0	43.7	38.6	29.6
55°	40.1	42.1	49.1	54.2	53.9	44.4	43.9	45.9	42.6	37.4	29.2
52.5°	55.2	56.4	64.1	69.6	67.7	57.9	50.8	54.1	53.6	46.9	39.8
50°	71.9	78.3	81.2	88.9	88.4	80.4	67.2	73.8	85.5	83.3	73.3
47.5°	95.6	103.9	104.3	113.6	117.8	124.7	113.5	127.6	144.8	180.0	168.8
45°	124.0	137.8	138.8	147.5	169.3	195.5	206.1	205.2	292.4	323.8	346.8
42.5°	155.3	177.5	186.8	186.2	256.3	296.2	318.8	390.8	457.0	477.1	487.9
40°	195.0	221.7	241.9	287.2	359.8	414.9	471.8	548.7	584.8	588.4	588.6
37.5°	238.6	277.3	310.0	387.1	479.7	540.9	611.6	644.6	669.7	671.1	699.6
35°	285.2	337.4	397.9	483.8	585.8	655.2	696.1	726.0	739.7	771.1	909.2
32.5°	338.8	401.7	480.6	576.3	673.7	744.4	768.8	794.6	827.9	921.2	1326.6
30°	392.7	474.0	559.2	662.1	760.9	810.7	836.4	868.8	921.1	1285.0	1846.7
27.5°	438.5	541.9	634.7	742.1	842.9	877.4	907.2	955.8	1177.9	1688.4	2468.8
25°	482.3	595.7	704.6	821.0	904.5	942.6	980.1	1045.9	1479.5	2288.5	2821.1
22.5°	526.2	650.2	768.0	899.0	965.8	1005.3	1063.0	1309.0	1915.5	2887.9	3138.4
20°	571.2	704.6	831.0	962.1	1024.7	1065.9	1145.1	1606.9	2448.2	3143.8	3375.8
17.5°	615.3	757.1	890.2	1006.6	1071.5	1129.8	1255.1	1906.5	2927.8	3396.3	3557.7
15°	658.2	807.2	944.0	1049.6	1118.1	1198.6	1513.7	2305.0	3238.9	3622.8	3776.2
12.5°	699.2	854.8	992.6	1090.9	1164.8	1266.8	1784.3	2699.0	3447.2	3801.2	3948.1
10°	738.0	899.4	1036.2	1130.2	1210.8	1333.6	2057.2	3031.5	3619.1	3921.9	4033.8
7.5°	774.7	938.0	1075.2	1167.5	1255.7	1397.8	2321.8	3305.9	3754.7	4024.2	4093.1
5°	806.8	969.5	1111.2	1207.6	1300.8	1454.7	2548.4	3525.5	3859.9	4109.3	4154.2
2.5°	834.4	996.6	1143.8	1246.3	1344.4	1500.1	2658.0	3614.5	3873.2	4146.9	4217.7
0°	857.8	1019.5	1172.6	1282.3	1384.8	1539.3	2720.6	3660.6	3857.0	4157.4	4284.5
-2.5°	876.9	1050.7	1213.6	1320.1	1423.5	1576.5	2716.0	3696.3	3897.6	4253.0	4540.6
-5°	891.9	1076.9	1249.6	1355.2	1459.0	1608.4	2667.2	3686.1	3952.9	4337.6	4698.5
-7.5°	902.7	1097.4	1280.1	1388.3	1493.8	1644.8	2632.4	3730.3	4114.1	4438.0	4762.5
-10°	909.9	1110.9	1298.7	1419.1	1529.0	1680.8	2557.4	3711.7	4264.7	4538.7	4823.9
-12.5°	918.2	1118.6	1310.6	1446.0	1559.7	1709.1	2425.1	3623.1	4404.2	4647.2	4884.0
-15°	921.7	1121.2	1316.9	1468.6	1585.5	1729.3	2232.9	3459.0	4497.4	4706.3	4922.4
-17.5°	920.1	1118.7	1317.4	1486.7	1606.2	1740.9	1979.1	3155.0	4351.0	4729.5	4958.1
-20°	913.4	1111.3	1312.2	1500.0	1621.8	1755.4	1938.2	2805.5	3951.1	4712.1	4983.8



REPORT NUMBER: P731549 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	901.4	1099.0	1300.0	1492.5	1639.1	1773.9	1940.2	2443.1	3479.4	4653.4	4985.7
-25°	886.0	1081.5	1281.1	1484.5	1654.4	1786.3	1934.3	2126.5	3012.2	4145.8	4935.9
-27.5°	867.3	1058.1	1262.6	1469.2	1666.6	1794.5	1935.7	2111.5	2600.2	3559.4	4746.1
-30°	843.8	1031.9	1236.7	1445.4	1649.5	1803.1	1936.1	2076.7	2257.1	3030.4	4053.3
-32.5°	817.2	999.9	1202.6	1410.1	1617.6	1808.9	1924.9	2052.3	2207.4	2485.1	3358.9
-35°	790.4	967.0	1160.9	1366.6	1577.2	1774.4	1915.3	2029.3	2156.5	2325.4	2724.4
-37.5°	764.3	928.6	1112.0	1314.4	1521.1	1712.4	1897.6	2010.3	2126.8	2245.7	2411.6
-40°	733.6	884.7	1062.2	1253.7	1448.0	1638.8	1822.7	1990.9	2098.0	2201.0	2308.5
-42.5°	698.5	845.6	1008.4	1183.5	1366.9	1552.2	1739.0	1915.8	2066.1	2158.3	2256.4
-45°	660.6	801.5	950.6	1112.0	1278.6	1457.7	1637.7	1818.0	1978.6	2122.3	2210.0
-47.5°	618.0	752.8	895.5	1034.9	1190.2	1355.1	1528.5	1698.1	1863.5	2016.3	2165.5
-50°	573.8	699.9	831.5	961.7	1100.4	1251.0	1410.3	1571.0	1729.8	1885.2	2031.9
-52.5°	534.2	642.0	763.4	887.2	1013.3	1147.5	1289.1	1434.5	1586.7	1737.8	1874.2
-55°	491.5	589.7	691.1	807.8	927.5	1048.3	1166.6	1297.7	1433.5	1575.9	1703.3
-57.5°	457.0	535.7	624.6	723.6	835.8	949.3	1053.6	1159.1	1279.9	1406.1	1516.8
-60°	426.5	488.5	560.9	646.7	738.9	841.4	939.6	1037.0	1134.6	1231.0	1335.6
-62.5°	396.8	450.8	507.5	572.6	654.1	732.9	819.3	909.4	999.4	1085.7	1169.4
-65°	378.9	416.6	464.8	518.0	571.2	639.8	709.8	778.9	858.4	936.5	1013.0
-67.5°	359.6	395.1	431.0	470.2	519.0	564.1	608.9	671.4	733.3	791.9	852.1
-70°	341.4	373.0	406.4	440.3	473.2	506.5	547.5	588.1	627.9	671.0	722.7
-72.5°	322.9	352.1	382.0	412.5	442.1	469.7	497.5	525.2	557.7	592.8	627.0
-75°	302.9	330.3	357.7	385.5	411.2	435.7	460.5	485.7	510.3	534.8	559.4
-77.5°	281.7	306.4	331.7	357.3	380.0	401.5	423.4	445.4	467.1	488.4	509.6
-80°	259.6	281.9	304.3	327.1	346.7	365.7	384.9	404.2	423.2	442.0	460.7
-82.5°	236.6	256.1	275.8	295.8	312.5	328.9	345.2	361.5	377.6	393.6	409.6
-85°	214.3	229.8	246.6	263.5	277.6	291.5	305.4	319.2	332.6	345.9	359.1
-87.5°	196.6	210.7	224.8	238.8	249.8	260.8	271.7	282.7	292.9	303.1	313.4
-90°	5.4	5.1	4.7	4.3	4.3	4.3	4.3	4.3	4.0	3.6	3.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	285.9	291.3	296.8	302.2	307.6	312.3	317.0	321.7	326.4	329.3	332.2
87.5°	2.9	2.8	2.8	2.8	2.8	2.4	2.1	1.8	1.4	1.4	1.4
85°	2.9	2.9	2.9	2.9	2.9	2.5	2.2	1.8	1.4	1.4	1.4
82.5°	3.6	3.5	3.3	3.1	2.9	2.8	2.8	2.7	2.7	2.8	2.8
80°	4.3	4.0	3.7	3.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	4.4	4.0	3.7	3.3	3.0	2.9	2.9	2.9	2.9	2.9	2.9
75°	4.4	4.3	4.6	4.6	4.3	4.3	4.3	4.2	4.1	3.8	3.6
72.5°	8.6	8.9	8.8	9.1	9.1	9.4	9.7	9.9	10.0	10.1	10.1
70°	16.2	16.8	17.2	17.0	15.9	15.1	14.8	14.3	13.9	14.2	15.1
67.5°	24.7	23.0	22.1	20.9	18.6	16.6	15.5	14.2	13.0	12.3	12.2
65°	30.7	24.2	21.1	18.7	16.8	14.6	12.6	10.9	9.3	8.3	7.9
62.5°	29.1	20.7	16.4	13.8	11.5	9.5	7.9	6.6	5.7	5.2	5.3
60°	24.9	16.3	11.4	9.2	6.9	4.5	4.2	4.0	3.7	3.4	3.7
57.5°	22.2	14.7	8.9	8.7	7.5	5.4	4.7	4.7	4.0	2.9	3.3
55°	24.8	20.9	14.5	14.9	14.5	12.3	10.5	12.5	12.0	9.4	10.3
52.5°	37.2	42.6	34.8	32.3	44.1	43.7	34.2	46.7	53.6	52.5	53.5
50°	87.5	98.8	110.8	101.5	124.5	138.3	135.3	151.6	168.3	167.9	173.1
47.5°	207.3	238.5	241.9	248.2	274.6	308.1	335.4	354.6	364.4	360.3	363.2
45°	371.0	378.0	394.2	430.1	474.9	528.9	570.1	594.0	674.6	731.8	765.3
42.5°	491.7	513.7	553.4	648.0	717.4	876.9	1069.8	1144.6	1239.4	1287.4	1290.4
40°	612.7	668.7	832.8	1005.2	1379.7	1658.2	1674.8	1792.8	1847.2	1787.3	1778.4
37.5°	812.8	1020.5	1302.4	1701.0	1875.1	1950.8	1992.4	2007.4	2018.4	2008.4	2003.3
35°	1206.9	1568.3	1844.9	1974.9	2053.6	2056.1	2065.7	2064.4	2051.5	2044.8	2030.4
32.5°	1788.2	2132.8	2141.2	2131.2	2147.7	2138.2	2120.1	2111.8	2083.8	2067.0	2072.7
30°	2387.6	2389.5	2355.5	2276.5	2237.0	2224.9	2198.7	2177.2	2150.7	2154.6	2246.9
27.5°	2625.4	2596.2	2548.7	2480.5	2348.1	2322.2	2301.2	2292.2	2403.0	2504.2	2594.6
25°	2891.5	2816.0	2789.9	2730.4	2594.2	2443.5	2509.9	2614.1	2759.0	2909.9	3055.4
22.5°	3121.6	3067.1	3050.3	3028.2	2806.0	2741.1	2832.0	3003.4	3201.4	3463.5	4212.1
20°	3348.4	3289.5	3270.2	3159.3	3042.8	3058.9	3227.8	3526.8	4080.5	6069.5	8498.6
17.5°	3539.1	3478.1	3412.2	3282.8	3245.8	3407.9	3745.8	4796.1	7409.1	13938.1	20574.0
15°	3716.7	3636.6	3524.6	3439.7	3509.9	3811.8	4648.9	8227.3	16691.0	27650.0	41467.4
12.5°	3874.6	3752.0	3595.2	3551.1	3764.7	4273.1	7556.4	16144.1	29090.7	44703.2	77141.4
10°	3984.4	3825.5	3688.8	3764.8	4104.3	5469.1	10873.9	24203.8	43356.9	78276.4	118661.0
7.5°	4031.6	3887.8	3808.2	3971.5	4424.7	7023.6	16369.4	33473.9	61236.7	108191.4	172626.1
5°	4085.1	3985.9	3941.5	4176.0	4733.4	8290.1	20321.7	41275.2	80357.0	136287.9	219263.5
2.5°	4193.3	4098.7	4067.8	4355.6	5003.4	9471.0	23410.2	47340.2	93024.5	159732.8	260650.1
0°	4384.1	4187.7	4163.2	4444.8	5111.9	10008.6	25436.8	50997.7	99049.6	169764.2	281013.1
-2.5°	4535.6	4301.7	4254.9	4506.0	5159.7	9745.2	25231.3	50871.7	96591.5	166411.5	268081.6
-5°	4667.8	4433.2	4368.6	4601.9	5264.6	9735.4	23894.5	46677.6	86431.7	146228.6	225928.3
-7.5°	4785.5	4582.6	4487.1	4672.7	5278.5	8718.3	19326.7	38430.3	69087.0	114167.2	174866.0
-10°	4909.6	4753.7	4623.6	4747.8	5219.8	6936.8	12929.5	27702.1	49201.0	82792.7	124443.4
-12.5°	5051.4	4972.8	4781.5	4799.6	5140.4	5853.6	9556.1	19340.2	34158.4	52154.0	82345.1
-15°	5171.7	5168.1	5008.0	4957.0	5126.4	5583.8	6667.1	10740.2	20720.3	33525.7	48460.6
-17.5°	5196.8	5324.7	5263.5	5107.8	5117.8	5374.2	5820.7	7117.3	10408.0	18446.6	27332.7
-20°	5212.9	5486.3	5492.7	5366.4	5255.6	5227.0	5431.1	5809.3	6544.6	9261.2	12836.7



REPORT NUMBER: P731549 (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°	5237.6	5497.4	5682.3	5647.4	5429.9	5302.8	5257.1	5400.4	5649.2	5999.8	7159.9
-25°	5249.3	5491.8	5756.5	5829.1	5737.8	5505.1	5331.1	5234.0	5322.0	5433.2	5660.2
-27.5°	5199.3	5483.2	5739.7	5954.8	5981.0	5828.8	5572.9	5365.4	5284.7	5208.3	5301.8
-30°	5116.1	5433.2	5701.5	5966.1	6071.9	6023.2	5889.2	5720.8	5524.2	5371.2	5317.5
-32.5°	4435.0	5358.5	5633.2	5862.5	6037.1	6086.9	6088.3	5998.1	5914.1	5796.1	5658.1
-35°	3653.9	4678.3	5572.3	5687.8	5847.8	6013.0	6135.8	6139.9	6130.1	6074.2	6016.0
-37.5°	2840.3	3795.0	4654.8	5343.1	5585.2	5779.7	5989.9	6131.8	6221.0	6205.0	6194.2
-40°	2472.8	2773.7	3578.1	4279.8	4868.4	5422.2	5649.9	5905.1	6110.4	6181.8	6230.0
-42.5°	2359.3	2488.1	2619.0	3150.7	3757.2	4290.5	4792.2	5270.5	5697.6	5939.6	6108.0
-45°	2297.2	2368.7	2448.9	2567.3	2669.7	3111.4	3560.9	3997.4	4530.2	5020.7	5446.1
-47.5°	2239.6	2295.5	2357.6	2418.5	2475.4	2555.6	2625.1	2749.0	3148.2	3550.6	3954.4
-50°	2146.8	2239.4	2290.8	2336.3	2376.5	2413.7	2445.9	2501.9	2568.1	2625.9	2684.3
-52.5°	1991.7	2096.0	2195.0	2269.9	2301.4	2332.3	2363.9	2406.4	2445.6	2481.5	2509.0
-55°	1817.9	1923.5	2023.2	2099.2	2167.3	2230.1	2286.0	2323.6	2360.2	2395.5	2422.4
-57.5°	1626.8	1734.3	1831.9	1904.7	1972.9	2036.1	2097.7	2156.8	2211.0	2259.8	2301.4
-60°	1433.2	1524.0	1612.1	1689.2	1759.5	1822.8	1883.7	1941.9	1995.1	2043.1	2084.7
-62.5°	1251.5	1335.6	1405.3	1468.3	1528.8	1587.3	1648.9	1705.5	1757.1	1804.1	1847.2
-65°	1087.6	1160.1	1212.8	1262.2	1308.8	1359.0	1413.2	1463.1	1508.6	1550.9	1589.9
-67.5°	919.1	981.8	1028.2	1070.9	1110.6	1150.7	1193.9	1234.3	1271.5	1307.0	1340.3
-70°	772.7	816.5	848.8	881.5	916.8	952.9	990.2	1024.2	1054.8	1083.9	1110.7
-72.5°	660.1	687.1	709.8	737.7	762.9	789.8	817.5	843.1	866.6	889.4	910.8
-75°	584.0	603.8	622.3	639.6	655.7	675.0	694.9	713.8	731.5	748.2	763.9
-77.5°	531.0	546.3	559.0	571.1	582.6	597.5	613.1	628.3	643.1	655.7	667.3
-80°	479.2	491.5	502.4	512.8	522.9	535.8	548.9	561.7	574.1	585.5	596.3
-82.5°	425.6	435.6	444.8	453.8	462.4	473.3	484.1	494.6	504.8	514.2	523.3
-85°	372.2	379.9	387.1	394.1	400.9	409.8	418.6	427.2	435.6	441.7	447.6
-87.5°	323.6	329.3	334.9	340.3	345.5	352.0	358.4	364.7	371.0	375.1	379.1
-90°	2.9	2.5	2.2	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4



REPORT NUMBER: P731549 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	335.0	337.9	337.2	336.5	337.2	337.9	335.0	332.2	329.3	326.4	321.7
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	3.3	2.9	2.9	2.9	2.9	2.9	3.3	3.6	3.8	4.1	4.2
72.5°	10.1	9.9	10.1	10.1	10.1	9.9	10.1	10.1	10.1	10.0	9.9
70°	16.0	17.0	17.2	17.3	17.2	17.0	16.0	15.1	14.2	13.9	14.3
67.5°	12.0	11.8	11.0	10.1	11.0	11.8	12.0	12.2	12.3	13.0	14.2
65°	7.6	7.4	7.2	7.2	7.2	7.4	7.6	7.9	8.3	9.3	10.9
62.5°	5.5	5.8	5.8	5.8	5.8	5.8	5.5	5.3	5.2	5.7	6.6
60°	4.0	4.3	4.3	4.3	4.3	4.3	4.0	3.7	3.4	3.7	4.0
57.5°	3.8	4.2	4.3	4.3	4.3	4.2	3.8	3.3	2.9	4.0	4.7
55°	11.0	11.3	10.9	10.1	10.9	11.3	11.0	10.3	9.4	12.0	12.5
52.5°	52.7	48.6	42.4	34.7	42.4	48.6	52.7	53.5	52.5	53.6	46.7
50°	183.2	188.1	183.8	170.4	183.8	188.1	183.2	173.1	167.9	168.3	151.6
47.5°	377.4	381.6	368.4	337.9	368.4	381.6	377.4	363.2	360.3	364.4	354.6
45°	790.2	784.1	716.1	574.7	716.1	784.1	790.2	765.3	731.8	674.6	594.0
42.5°	1362.7	1423.5	1459.2	1459.9	1459.2	1423.5	1362.7	1290.4	1287.4	1239.4	1144.6
40°	1763.9	1692.6	1614.9	1602.9	1614.9	1692.6	1763.9	1778.4	1787.3	1847.2	1792.8
37.5°	1991.1	2006.0	1997.4	1829.6	1997.4	2006.0	1991.1	2003.3	2008.4	2018.4	2007.4
35°	2063.4	2176.2	2292.4	2316.2	2292.4	2176.2	2063.4	2030.4	2044.8	2051.5	2064.4
32.5°	2098.4	2137.1	2147.6	2151.6	2147.6	2137.1	2098.4	2072.7	2067.0	2083.8	2111.8
30°	2289.4	2314.7	2311.0	2306.1	2311.0	2314.7	2289.4	2246.9	2154.6	2150.7	2177.2
27.5°	2637.2	2679.0	2697.7	2710.5	2697.7	2679.0	2637.2	2594.6	2504.2	2403.0	2292.2
25°	3135.0	3198.9	3242.8	3262.1	3242.8	3198.9	3135.0	3055.4	2909.9	2759.0	2614.1
22.5°	5076.6	5519.6	5958.1	6184.8	5958.1	5519.6	5076.6	4212.1	3463.5	3201.4	3003.4
20°	12673.5	14587.6	15461.7	15716.9	15461.7	14587.6	12673.5	8498.6	6069.5	4080.5	3526.8
17.5°	29513.8	36769.5	41622.5	37370.3	41622.5	36769.5	29513.8	20574.0	13938.1	7409.1	4796.1
15°	60408.0	78784.1	89066.9	83280.7	89066.9	78784.1	60408.0	41467.4	27650.0	16691.0	8227.3
12.5°	108837.9	137516.6	156778.3	150426.4	156778.3	137516.6	108837.9	77141.4	44703.2	29090.7	16144.1
10°	171308.4	228976.9	267376.1	276868.7	267376.1	228976.9	171308.4	118661.0	78276.4	43356.9	24203.8
7.5°	248601.2	320002.7	376363.4	385086.5	376363.4	320002.7	248601.2	172626.1	108191.4	61236.7	33473.9
5°	324216.5	408496.7	467138.8	482362.8	467138.8	408496.7	324216.5	219263.5	136287.9	80357.0	41275.2
2.5°	371148.8	462881.0	533518.5	564632.7	533518.5	462881.0	371148.8	260650.1	159732.8	93024.5	47340.2
0°	387900.2	483702.9	560344.7	604976.3	560344.7	483702.9	387900.2	281013.1	169764.2	99049.6	50997.7
-2.5°	374912.5	461670.8	526370.1	557396.6	526370.1	461670.8	374912.5	268081.6	166411.5	96591.5	50871.7
-5°	319319.6	405520.1	458160.7	483434.3	458160.7	405520.1	319319.6	225928.3	146228.6	86431.7	46677.6
-7.5°	249519.9	318512.9	363969.1	386962.3	363969.1	318512.9	249519.9	174866.0	114167.2	69087.0	38430.3
-10°	174589.0	229326.0	259967.1	278728.6	259967.1	229326.0	174589.0	124443.4	82792.7	49201.0	27702.1
-12.5°	113596.2	145456.3	162617.4	174637.9	162617.4	145456.3	113596.2	82345.1	52154.0	34158.4	19340.2
-15°	68959.6	84486.9	93804.0	99644.5	93804.0	84486.9	68959.6	48460.6	33525.7	20720.3	10740.2
-17.5°	38489.1	45158.4	49880.7	52493.7	49880.7	45158.4	38489.1	27332.7	18446.6	10408.0	7117.3
-20°	19098.4	23317.4	26088.5	27251.9	26088.5	23317.4	19098.4	12836.7	9261.2	6544.6	5809.3



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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°	8814.0	9941.0	10687.1	11042.6	10687.1	9941.0	8814.0	7159.9	5999.8	5649.2	5400.4
-25°	5880.7	6057.6	6187.5	6244.0	6187.5	6057.6	5880.7	5660.2	5433.2	5322.0	5234.0
-27.5°	5386.4	5480.1	5557.8	5588.4	5557.8	5480.1	5386.4	5301.8	5208.3	5284.7	5365.4
-30°	5276.3	5280.4	5302.3	5302.5	5302.3	5280.4	5276.3	5317.5	5371.2	5524.2	5720.8
-32.5°	5553.6	5492.7	5466.2	5494.6	5466.2	5492.7	5553.6	5658.1	5796.1	5914.1	5998.1
-35°	5977.2	5960.8	5962.1	5992.8	5962.1	5960.8	5977.2	6016.0	6074.2	6130.1	6139.9
-37.5°	6197.0	6209.9	6224.5	6228.1	6224.5	6209.9	6197.0	6194.2	6205.0	6221.0	6131.8
-40°	6258.0	6283.3	6302.3	6309.0	6302.3	6283.3	6258.0	6230.0	6181.8	6110.4	5905.1
-42.5°	6182.4	6232.7	6259.4	6265.7	6259.4	6232.7	6182.4	6108.0	5939.6	5697.6	5270.5
-45°	5755.0	5979.1	6105.9	6140.1	6105.9	5979.1	5755.0	5446.1	5020.7	4530.2	3997.4
-47.5°	4347.2	4699.0	4943.9	5057.0	4943.9	4699.0	4347.2	3954.4	3550.6	3148.2	2749.0
-50°	2745.5	2803.4	2846.7	2873.6	2846.7	2803.4	2745.5	2684.3	2625.9	2568.1	2501.9
-52.5°	2532.9	2554.3	2566.7	2571.8	2566.7	2554.3	2532.9	2509.0	2481.5	2445.6	2406.4
-55°	2445.4	2465.1	2473.7	2475.1	2473.7	2465.1	2445.4	2422.4	2395.5	2360.2	2323.6
-57.5°	2337.2	2367.3	2380.5	2382.7	2380.5	2367.3	2337.2	2301.4	2259.8	2211.0	2156.8
-60°	2120.0	2149.1	2163.4	2168.9	2163.4	2149.1	2120.0	2084.7	2043.1	1995.1	1941.9
-62.5°	1884.7	1916.3	1925.9	1924.9	1925.9	1916.3	1884.7	1847.2	1804.1	1757.1	1705.5
-65°	1623.9	1652.9	1661.2	1660.6	1661.2	1652.9	1623.9	1589.9	1550.9	1508.6	1463.1
-67.5°	1369.9	1395.5	1404.3	1406.5	1404.3	1395.5	1369.9	1340.3	1307.0	1271.5	1234.3
-70°	1134.2	1154.4	1159.5	1159.6	1159.5	1154.4	1134.2	1110.7	1083.9	1054.8	1024.2
-72.5°	930.2	947.7	950.6	950.2	950.6	947.7	930.2	910.8	889.4	866.6	843.1
-75°	778.7	792.5	793.0	791.3	793.0	792.5	778.7	763.9	748.2	731.5	713.8
-77.5°	678.2	688.5	690.6	691.7	690.6	688.5	678.2	667.3	655.7	643.1	628.3
-80°	606.7	616.6	616.3	615.2	616.3	616.6	606.7	596.3	585.5	574.1	561.7
-82.5°	532.0	540.4	540.6	540.1	540.6	540.4	532.0	523.3	514.2	504.8	494.6
-85°	453.2	458.6	458.4	457.8	458.4	458.6	453.2	447.6	441.7	435.6	427.2
-87.5°	383.0	386.8	387.0	387.0	387.0	386.8	383.0	379.1	375.1	371.0	364.7
-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°	317.0	312.3	307.6	302.2	296.8	291.3	285.9	278.0	270.1	262.1	254.2
87.5°	2.1	2.4	2.8	2.8	2.8	2.8	2.9	3.3	3.6	4.0	4.3
85°	2.2	2.5	2.9	2.9	2.9	2.9	2.9	3.3	3.6	4.0	4.3
82.5°	2.8	2.8	2.9	3.1	3.3	3.5	3.6	3.7	3.8	4.1	4.3
80°	2.9	2.9	2.9	3.3	3.7	4.0	4.3	4.4	4.3	4.3	4.4
77.5°	2.9	2.9	3.0	3.3	3.7	4.0	4.4	4.8	5.0	5.1	5.1
75°	4.3	4.3	4.3	4.6	4.6	4.3	4.4	4.8	5.2	5.6	5.8
72.5°	9.7	9.4	9.1	9.1	8.8	8.9	8.6	7.9	7.1	6.3	6.0
70°	14.8	15.1	15.9	17.0	17.2	16.8	16.2	14.8	12.3	10.6	9.5
67.5°	15.5	16.6	18.6	20.9	22.1	23.0	24.7	25.6	24.6	21.8	16.8
65°	12.6	14.6	16.8	18.7	21.1	24.2	30.7	34.2	35.1	34.0	28.3
62.5°	7.9	9.5	11.5	13.8	16.4	20.7	29.1	36.1	41.9	43.7	37.5
60°	4.2	4.5	6.9	9.2	11.4	16.3	24.9	34.0	43.8	44.9	43.0
57.5°	4.7	5.4	7.5	8.7	8.9	14.7	22.2	29.6	38.6	43.7	44.0
55°	10.5	12.3	14.5	14.9	14.5	20.9	24.8	29.2	37.4	42.6	45.9
52.5°	34.2	43.7	44.1	32.3	34.8	42.6	37.2	39.8	46.9	53.6	54.1
50°	135.3	138.3	124.5	101.5	110.8	98.8	87.5	73.3	83.3	85.5	73.8
47.5°	335.4	308.1	274.6	248.2	241.9	238.5	207.3	168.8	180.0	144.8	127.6
45°	570.1	528.9	474.9	430.1	394.2	378.0	371.0	346.8	323.8	292.4	205.2
42.5°	1069.8	876.9	717.4	648.0	553.4	513.7	491.7	487.9	477.1	457.0	390.8
40°	1674.8	1658.2	1379.7	1005.2	832.8	668.7	612.7	588.6	588.4	584.8	548.7
37.5°	1992.4	1950.8	1875.1	1701.0	1302.4	1020.5	812.8	699.6	671.1	669.7	644.6
35°	2065.7	2056.1	2053.6	1974.9	1844.9	1568.3	1206.9	909.2	771.1	739.7	726.0
32.5°	2120.1	2138.2	2147.7	2131.2	2141.2	2132.8	1788.2	1326.6	921.2	827.9	794.6
30°	2198.7	2224.9	2237.0	2276.5	2355.5	2389.5	2387.6	1846.7	1285.0	921.1	868.8
27.5°	2301.2	2322.2	2348.1	2480.5	2548.7	2596.2	2625.4	2468.8	1688.4	1177.9	955.8
25°	2509.9	2443.5	2594.2	2730.4	2789.9	2816.0	2891.5	2821.1	2288.5	1479.5	1045.9
22.5°	2832.0	2741.1	2806.0	3028.2	3050.3	3067.1	3121.6	3138.4	2887.9	1915.5	1309.0
20°	3227.8	3058.9	3042.8	3159.3	3270.2	3289.5	3348.4	3375.8	3143.8	2448.2	1606.9
17.5°	3745.8	3407.9	3245.8	3282.8	3412.2	3478.1	3539.1	3557.7	3396.3	2927.8	1906.5
15°	4648.9	3811.8	3509.9	3439.7	3524.6	3636.6	3716.7	3776.2	3622.8	3238.9	2305.0
12.5°	7556.4	4273.1	3764.7	3551.1	3595.2	3752.0	3874.6	3948.1	3801.2	3447.2	2699.0
10°	10873.9	5469.1	4104.3	3764.8	3688.8	3825.5	3984.4	4033.8	3921.9	3619.1	3031.5
7.5°	16369.4	7023.6	4424.7	3971.5	3808.2	3887.8	4031.6	4093.1	4024.2	3754.7	3305.9
5°	20321.7	8290.1	4733.4	4176.0	3941.5	3985.9	4085.1	4154.2	4109.3	3859.9	3525.5
2.5°	23410.2	9471.0	5003.4	4355.6	4067.8	4098.7	4193.3	4217.7	4146.9	3873.2	3614.5
0°	25436.8	10008.6	5111.9	4444.8	4163.2	4187.7	4384.1	4284.5	4157.4	3857.0	3660.6
-2.5°	25231.3	9745.2	5159.7	4506.0	4254.9	4301.7	4535.6	4540.6	4253.0	3897.6	3696.3
-5°	23894.5	9735.4	5264.6	4601.9	4368.6	4433.2	4667.8	4698.5	4337.6	3952.9	3686.1
-7.5°	19326.7	8718.3	5278.5	4672.7	4487.1	4582.6	4785.5	4762.5	4438.0	4114.1	3730.3
-10°	12929.5	6936.8	5219.8	4747.8	4623.6	4753.7	4909.6	4823.9	4538.7	4264.7	3711.7
-12.5°	9556.1	5853.6	5140.4	4799.6	4781.5	4972.8	5051.4	4884.0	4647.2	4404.2	3623.1
-15°	6667.1	5583.8	5126.4	4957.0	5008.0	5168.1	5171.7	4922.4	4706.3	4497.4	3459.0
-17.5°	5820.7	5374.2	5117.8	5107.8	5263.5	5324.7	5196.8	4958.1	4729.5	4351.0	3155.0
-20°	5431.1	5227.0	5255.6	5366.4	5492.7	5486.3	5212.9	4983.8	4712.1	3951.1	2805.5



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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°	5257.1	5302.8	5429.9	5647.4	5682.3	5497.4	5237.6	4985.7	4653.4	3479.4	2443.1
-25°	5331.1	5505.1	5737.8	5829.1	5756.5	5491.8	5249.3	4935.9	4145.8	3012.2	2126.5
-27.5°	5572.9	5828.8	5981.0	5954.8	5739.7	5483.2	5199.3	4746.1	3559.4	2600.2	2111.5
-30°	5889.2	6023.2	6071.9	5966.1	5701.5	5433.2	5116.1	4053.3	3030.4	2257.1	2076.7
-32.5°	6088.3	6086.9	6037.1	5862.5	5633.2	5358.5	4435.0	3358.9	2485.1	2207.4	2052.3
-35°	6135.8	6013.0	5847.8	5687.8	5572.3	4678.3	3653.9	2724.4	2325.4	2156.5	2029.3
-37.5°	5989.9	5779.7	5585.2	5343.1	4654.8	3795.0	2840.3	2411.6	2245.7	2126.8	2010.3
-40°	5649.9	5422.2	4868.4	4279.8	3578.1	2773.7	2472.8	2308.5	2201.0	2098.0	1990.9
-42.5°	4792.2	4290.5	3757.2	3150.7	2619.0	2488.1	2359.3	2256.4	2158.3	2066.1	1915.8
-45°	3560.9	3111.4	2669.7	2567.3	2448.9	2368.7	2297.2	2210.0	2122.3	1978.6	1818.0
-47.5°	2625.1	2555.6	2475.4	2418.5	2357.6	2295.5	2239.6	2165.5	2016.3	1863.5	1698.1
-50°	2445.9	2413.7	2376.5	2336.3	2290.8	2239.4	2146.8	2031.9	1885.2	1729.8	1571.0
-52.5°	2363.9	2332.3	2301.4	2269.9	2195.0	2096.0	1991.7	1874.2	1737.8	1586.7	1434.5
-55°	2286.0	2230.1	2167.3	2099.2	2023.2	1923.5	1817.9	1703.3	1575.9	1433.5	1297.7
-57.5°	2097.7	2036.1	1972.9	1904.7	1831.9	1734.3	1626.8	1516.8	1406.1	1279.9	1159.1
-60°	1883.7	1822.8	1759.5	1689.2	1612.1	1524.0	1433.2	1335.6	1231.0	1134.6	1037.0
-62.5°	1648.9	1587.3	1528.8	1468.3	1405.3	1335.6	1251.5	1169.4	1085.7	999.4	909.4
-65°	1413.2	1359.0	1308.8	1262.2	1212.8	1160.1	1087.6	1013.0	936.5	858.4	778.9
-67.5°	1193.9	1150.7	1110.6	1070.9	1028.2	981.8	919.1	852.1	791.9	733.3	671.4
-70°	990.2	952.9	916.8	881.5	848.8	816.5	772.7	722.7	671.0	627.9	588.1
-72.5°	817.5	789.8	762.9	737.7	709.8	687.1	660.1	627.0	592.8	557.7	525.2
-75°	694.9	675.0	655.7	639.6	622.3	603.8	584.0	559.4	534.8	510.3	485.7
-77.5°	613.1	597.5	582.6	571.1	559.0	546.3	531.0	509.6	488.4	467.1	445.4
-80°	548.9	535.8	522.9	512.8	502.4	491.5	479.2	460.7	442.0	423.2	404.2
-82.5°	484.1	473.3	462.4	453.8	444.8	435.6	425.6	409.6	393.6	377.6	361.5
-85°	418.6	409.8	400.9	394.1	387.1	379.9	372.2	359.1	345.9	332.6	319.2
-87.5°	358.4	352.0	345.5	340.3	334.9	329.3	323.6	313.4	303.1	292.9	282.7
-90°	1.4	1.4	1.4	1.8	2.2	2.5	2.9	3.3	3.6	4.0	4.3



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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°	244.8	235.4	226.0	216.6	204.0	191.4	178.7	166.1	152.7	139.4	126.0
87.5°	4.3	4.3	4.3	4.3	4.7	5.1	5.4	5.8	5.8	5.8	5.8
85°	4.3	4.3	4.3	4.3	4.7	5.1	5.4	5.8	5.8	5.8	5.8
82.5°	4.3	4.3	4.3	4.3	4.7	5.1	5.5	5.8	5.9	5.8	5.8
80°	4.6	4.8	4.8	4.8	4.9	5.1	5.5	5.9	6.2	6.4	6.2
77.5°	5.1	5.3	5.5	5.7	5.8	5.8	5.9	6.1	6.6	6.9	6.9
75°	5.8	5.7	5.7	6.0	6.5	6.6	6.6	6.9	7.5	7.6	7.6
72.5°	6.2	6.2	6.1	6.3	7.1	7.5	7.5	7.8	8.7	8.9	8.6
70°	8.4	7.2	6.8	7.6	8.3	8.5	8.7	9.4	9.9	10.3	10.1
67.5°	12.2	10.8	9.4	9.5	10.3	10.6	10.2	11.4	12.3	11.9	11.7
65°	22.3	17.0	13.0	13.9	13.7	13.1	12.8	14.0	14.8	14.6	13.3
62.5°	31.5	25.4	21.4	19.9	18.7	17.6	15.9	17.8	17.8	17.4	15.8
60°	39.6	33.0	30.8	29.6	26.3	22.9	22.0	21.8	22.0	20.4	18.7
57.5°	41.8	39.4	41.9	40.7	36.8	31.2	29.6	28.8	26.4	24.5	22.0
55°	43.9	44.4	53.9	54.2	49.1	42.1	40.1	37.8	32.2	29.1	26.0
52.5°	50.8	57.9	67.7	69.6	64.1	56.4	55.2	47.7	41.8	33.8	31.4
50°	67.2	80.4	88.4	88.9	81.2	78.3	71.9	63.3	52.2	40.2	37.5
47.5°	113.5	124.7	117.8	113.6	104.3	103.9	95.6	80.7	63.1	50.4	44.0
45°	206.1	195.5	169.3	147.5	138.8	137.8	124.0	99.2	80.1	62.8	50.9
42.5°	318.8	296.2	256.3	186.2	186.8	177.5	155.3	126.9	97.9	75.9	60.7
40°	471.8	414.9	359.8	287.2	241.9	221.7	195.0	158.0	116.9	91.2	72.5
37.5°	611.6	540.9	479.7	387.1	310.0	277.3	238.6	191.1	141.3	110.3	84.5
35°	696.1	655.2	585.8	483.8	397.9	337.4	285.2	228.4	172.0	129.8	96.8
32.5°	768.8	744.4	673.7	576.3	480.6	401.7	338.8	267.2	202.0	149.6	109.3
30°	836.4	810.7	760.9	662.1	559.2	474.0	392.7	304.3	231.4	169.7	122.9
27.5°	907.2	877.4	842.9	742.1	634.7	541.9	438.5	339.8	260.1	191.7	139.4
25°	980.1	942.6	904.5	821.0	704.6	595.7	482.3	373.8	289.5	215.8	155.8
22.5°	1063.0	1005.3	965.8	899.0	768.0	650.2	526.2	411.1	318.3	239.0	172.0
20°	1145.1	1065.9	1024.7	962.1	831.0	704.6	571.2	446.4	345.5	261.2	187.8
17.5°	1255.1	1129.8	1071.5	1006.6	890.2	757.1	615.3	479.5	370.9	282.3	203.3
15°	1513.7	1198.6	1118.1	1049.6	944.0	807.2	658.2	510.3	394.6	302.3	217.5
12.5°	1784.3	1266.8	1164.8	1090.9	992.6	854.8	699.2	538.8	416.5	320.5	229.9
10°	2057.2	1333.6	1210.8	1130.2	1036.2	899.4	738.0	568.1	440.4	337.1	241.3
7.5°	2321.8	1397.8	1255.7	1167.5	1075.2	938.0	774.7	602.2	463.7	352.5	251.6
5°	2548.4	1454.7	1300.8	1207.6	1111.2	969.5	806.8	634.3	485.7	366.5	260.8
2.5°	2658.0	1500.1	1344.4	1246.3	1143.8	996.6	834.4	663.8	506.0	379.0	268.9
0°	2720.6	1539.3	1384.8	1282.3	1172.6	1019.5	857.8	690.3	524.2	389.9	275.8
-2.5°	2716.0	1576.5	1423.5	1320.1	1213.6	1050.7	876.9	705.1	538.2	402.6	285.2
-5°	2667.2	1608.4	1459.0	1355.2	1249.6	1076.9	891.9	716.5	549.8	413.4	293.4
-7.5°	2632.4	1644.8	1493.8	1388.3	1280.1	1097.4	902.7	724.6	558.9	422.2	300.3
-10°	2557.4	1680.8	1529.0	1419.1	1298.7	1110.9	909.9	729.3	565.6	428.7	305.7
-12.5°	2425.1	1709.1	1559.7	1446.0	1310.6	1118.6	918.2	734.2	570.1	433.0	309.7
-15°	2232.9	1729.3	1585.5	1468.6	1316.9	1121.2	921.7	737.0	574.2	435.4	312.2
-17.5°	1979.1	1740.9	1606.2	1486.7	1317.4	1118.7	920.1	735.8	575.3	436.2	314.0
-20°	1938.2	1755.4	1621.8	1500.0	1312.2	1111.3	913.4	730.6	573.6	434.7	314.9



REPORT NUMBER: P731549 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1940.2	1773.9	1639.1	1492.5	1300.0	1099.0	901.4	721.2	568.9	430.8	314.1
-25°	1934.3	1786.3	1654.4	1484.5	1281.1	1081.5	886.0	707.6	561.1	424.6	311.5
-27.5°	1935.7	1794.5	1666.6	1469.2	1262.6	1058.1	867.3	696.1	550.9	415.9	307.1
-30°	1936.1	1803.1	1649.5	1445.4	1236.7	1031.9	843.8	681.3	538.9	407.8	300.8
-32.5°	1924.9	1808.9	1617.6	1410.1	1202.6	999.9	817.2	663.0	524.1	399.2	297.4
-35°	1915.3	1774.4	1577.2	1366.6	1160.9	967.0	790.4	641.3	506.6	388.4	294.2
-37.5°	1897.6	1712.4	1521.1	1314.4	1112.0	928.6	764.3	618.8	486.3	375.3	289.7
-40°	1822.7	1638.8	1448.0	1253.7	1062.2	884.7	733.6	593.1	467.5	360.0	283.9
-42.5°	1739.0	1552.2	1366.9	1183.5	1008.4	845.6	698.5	563.2	447.2	348.9	276.9
-45°	1637.7	1457.7	1278.6	1112.0	950.6	801.5	660.6	530.5	424.1	339.4	270.8
-47.5°	1528.5	1355.1	1190.2	1034.9	895.5	752.8	618.0	501.4	398.7	328.3	266.9
-50°	1410.3	1251.0	1100.4	961.7	831.5	699.9	573.8	469.4	383.1	314.9	262.1
-52.5°	1289.1	1147.5	1013.3	887.2	763.4	642.0	534.2	436.0	365.6	305.2	256.5
-55°	1166.6	1048.3	927.5	807.8	691.1	589.7	491.5	413.5	346.2	296.8	250.3
-57.5°	1053.6	949.3	835.8	723.6	624.6	535.7	457.0	389.0	333.3	287.6	244.9
-60°	939.6	841.4	738.9	646.7	560.9	488.5	426.5	366.8	321.6	277.9	238.4
-62.5°	819.3	732.9	654.1	572.6	507.5	450.8	396.8	352.5	309.1	269.2	231.1
-65°	709.8	639.8	571.2	518.0	464.8	416.6	378.9	337.1	297.5	259.7	223.1
-67.5°	608.9	564.1	519.0	470.2	431.0	395.1	359.6	322.5	285.5	249.5	214.5
-70°	547.5	506.5	473.2	440.3	406.4	373.0	341.4	307.8	272.7	238.3	205.2
-72.5°	497.5	469.7	442.1	412.5	382.0	352.1	322.9	292.0	258.6	226.4	195.4
-75°	460.5	435.7	411.2	385.5	357.7	330.3	302.9	274.6	243.7	213.9	185.1
-77.5°	423.4	401.5	380.0	357.3	331.7	306.4	281.7	256.4	228.1	200.6	174.2
-80°	384.9	365.7	346.7	327.1	304.3	281.9	259.6	237.2	211.6	186.9	162.9
-82.5°	345.2	328.9	312.5	295.8	275.8	256.1	236.6	217.2	194.6	172.6	152.4
-85°	305.4	291.5	277.6	263.5	246.6	229.8	214.3	198.5	179.9	161.6	143.8
-87.5°	271.7	260.8	249.8	238.8	224.8	210.7	196.6	182.5	166.4	150.6	135.0
-90°	4.3	4.3	4.3	4.3	4.7	5.1	5.4	5.8	5.8	5.8	5.8



REPORT NUMBER: P731549 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	112.6	93.8	75.0	56.3	37.5	23.1	8.7
87.5°	5.8	6.0	6.1	6.1	6.1	7.5	8.7
85°	5.8	6.1	6.3	6.4	6.3	7.8	8.7
82.5°	5.8	6.3	6.6	6.7	6.6	8.0	8.7
80°	6.0	6.5	6.8	6.9	6.9	8.3	8.7
77.5°	6.8	6.9	7.1	7.2	7.2	8.5	8.7
75°	7.6	7.9	7.5	7.5	7.5	8.8	8.7
72.5°	8.6	9.0	8.6	7.8	7.8	9.1	8.7
70°	9.7	10.0	9.6	8.3	8.2	9.4	8.7
67.5°	11.5	11.2	10.7	9.2	8.6	9.6	8.7
65°	13.5	12.8	11.8	10.2	9.0	9.9	8.7
62.5°	15.6	14.9	12.9	11.1	9.4	10.2	8.7
60°	17.8	17.1	14.1	12.1	9.8	10.5	8.7
57.5°	21.4	19.3	16.1	13.1	10.8	10.8	8.7
55°	25.2	21.7	18.1	14.1	11.8	11.1	8.7
52.5°	29.3	24.4	20.3	15.0	12.9	11.4	8.7
50°	33.7	28.2	22.4	16.0	13.9	11.7	8.7
47.5°	38.4	32.1	24.6	17.2	15.0	12.0	8.7
45°	44.5	36.2	26.8	18.9	16.2	12.3	8.7
42.5°	50.8	40.3	29.0	20.5	17.3	12.6	8.7
40°	57.5	44.6	31.8	22.8	18.5	13.0	8.7
37.5°	64.3	48.9	35.1	25.3	19.7	13.3	8.7
35°	71.3	54.1	38.5	27.9	21.0	13.6	8.7
32.5°	79.4	59.7	41.8	30.6	22.2	13.9	8.7
30°	89.6	65.3	45.1	33.3	23.5	14.2	8.7
27.5°	99.7	70.9	49.7	36.0	24.8	14.5	8.7
25°	109.6	76.5	54.5	38.7	26.1	14.8	8.7
22.5°	119.5	82.5	59.3	41.4	27.3	15.1	8.7
20°	129.1	89.4	64.0	44.1	28.6	15.4	8.7
17.5°	138.8	96.0	68.6	46.8	29.9	15.6	8.7
15°	148.1	102.4	73.1	49.4	31.1	15.9	8.7
12.5°	157.0	108.5	77.5	52.0	32.3	16.2	8.7
10°	165.2	114.3	81.7	54.5	33.4	16.4	8.7
7.5°	172.9	119.8	85.8	56.9	34.5	16.7	8.7
5°	179.9	124.9	89.7	59.2	35.6	16.9	8.7
2.5°	186.3	129.8	93.4	61.4	36.6	17.1	8.7
0°	192.1	134.3	96.8	63.5	37.5	17.3	8.7
-2.5°	198.9	139.9	101.1	66.8	39.5	18.1	8.7
-5°	205.0	145.1	105.2	70.0	41.5	19.0	8.7
-7.5°	210.4	149.9	109.0	73.0	43.4	19.8	8.7
-10°	215.1	154.3	112.5	75.9	45.1	20.5	8.7
-12.5°	219.0	158.3	115.7	78.5	46.8	21.3	8.7
-15°	222.2	161.8	118.7	81.0	48.3	22.0	8.7
-17.5°	224.5	164.9	121.4	83.2	49.8	22.7	8.7
-20°	226.6	167.5	123.8	85.2	51.0	23.3	8.7



REPORT NUMBER: P731549 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	228.5	169.7	125.9	87.0	52.2	24.0	8.7
-25°	229.4	171.8	127.7	88.5	53.2	24.5	8.7
-27.5°	229.4	173.5	129.3	89.8	54.1	25.1	8.7
-30°	228.4	174.7	130.5	90.9	54.8	25.6	8.7
-32.5°	226.4	175.3	131.6	91.7	55.4	26.0	8.7
-35°	225.7	175.4	132.2	92.2	55.8	26.4	8.7
-37.5°	225.2	175.2	132.5	92.5	56.0	26.8	8.7
-40°	224.0	175.2	132.4	92.6	56.1	27.1	8.7
-42.5°	222.1	174.7	132.1	92.3	56.0	27.3	8.7
-45°	219.5	173.6	131.4	91.8	55.8	27.5	8.7
-47.5°	216.3	172.1	130.3	91.0	55.4	27.7	8.7
-50°	213.5	170.1	128.9	90.1	54.9	27.8	8.7
-52.5°	210.4	167.6	127.1	89.0	54.1	27.8	8.7
-55°	206.6	164.7	124.9	87.6	53.3	27.8	8.7
-57.5°	202.2	161.3	122.4	85.9	52.2	27.8	8.7
-60°	197.3	157.5	119.5	84.0	51.1	27.7	8.7
-62.5°	191.8	153.2	116.5	81.9	50.5	27.5	8.7
-65°	185.8	148.5	113.1	79.6	49.9	27.3	8.7
-67.5°	179.2	143.4	109.3	77.0	49.1	27.1	8.7
-70°	172.2	138.0	105.3	74.2	48.2	26.8	8.7
-72.5°	164.6	132.1	101.0	72.3	47.2	26.5	8.7
-75°	156.7	125.9	96.4	70.4	46.1	26.1	8.7
-77.5°	148.2	119.4	93.1	68.4	44.8	25.7	8.7
-80°	139.5	114.1	89.8	66.3	43.5	25.2	8.7
-82.5°	132.9	109.4	86.4	64.0	42.1	24.8	8.7
-85°	126.4	104.4	82.8	61.5	40.7	24.2	8.7
-87.5°	119.6	99.2	79.0	59.0	39.1	23.7	8.7
-90°	5.8	5.8	5.8	5.8	5.8	7.3	8.7

(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

