

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: P731473 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/16/2023

Test Information

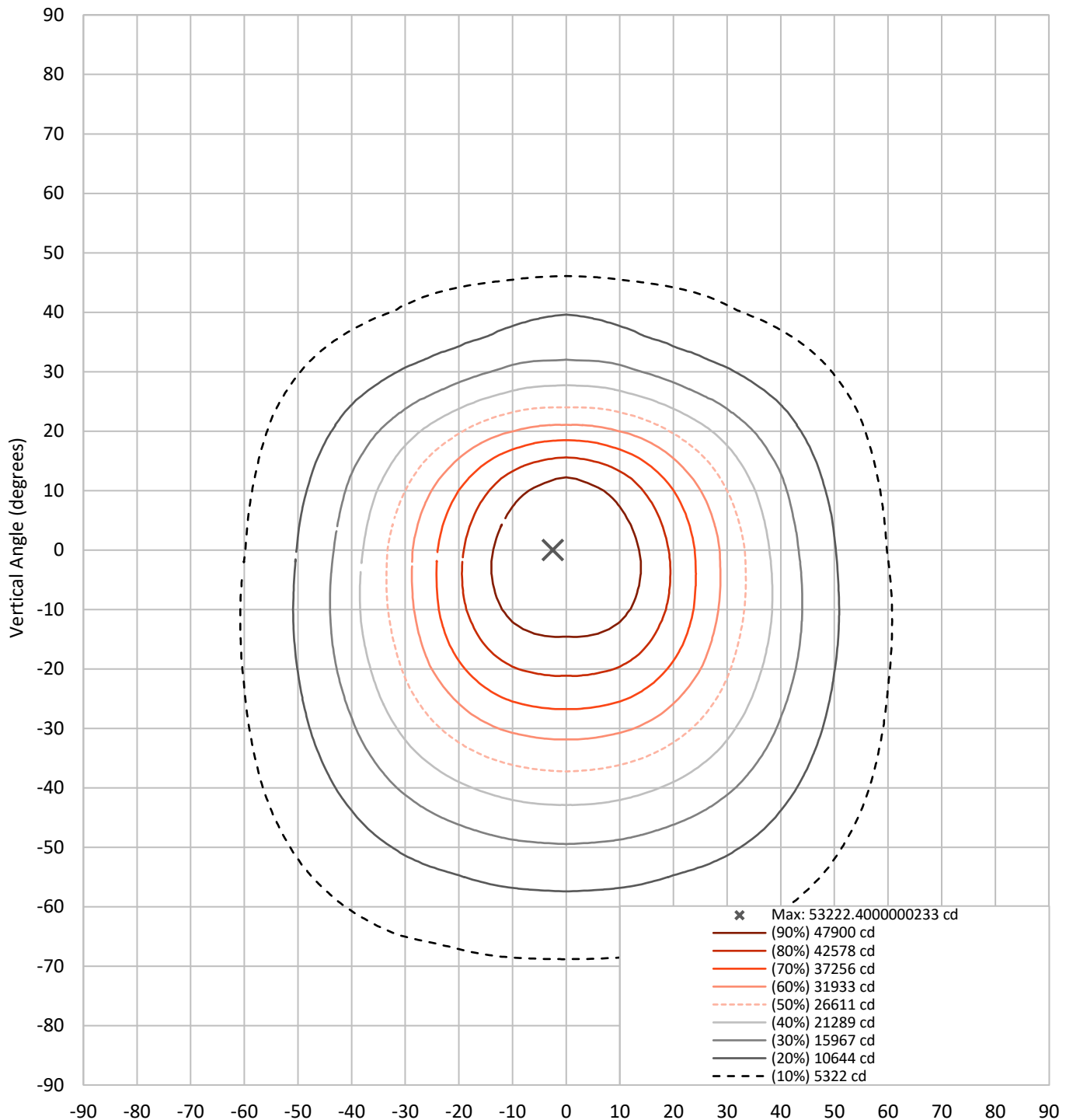
Test Method: LM-79-08
Report Number: P731473 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-70-7F-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	70805.3 lumens	Max Intensity:	53222.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	126.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	66.6°H x 61.2°V	Field Angle (10%):	119.6°H x 114.9°V
Beam Lumens:	38443.8 lumens	Field Lumens:	66351 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
Input Watts (W):	559.9		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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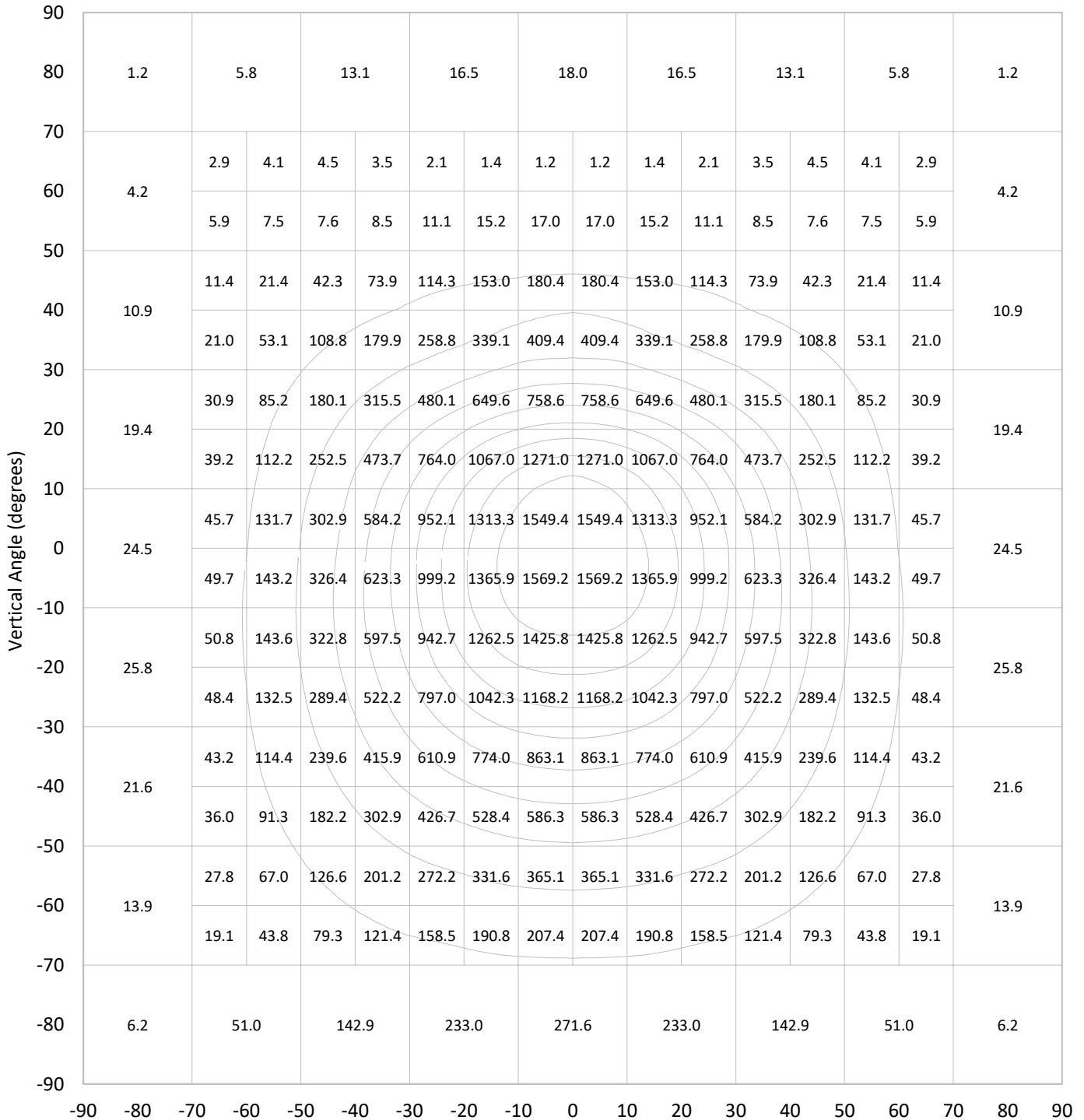
Iso-Candela Plot





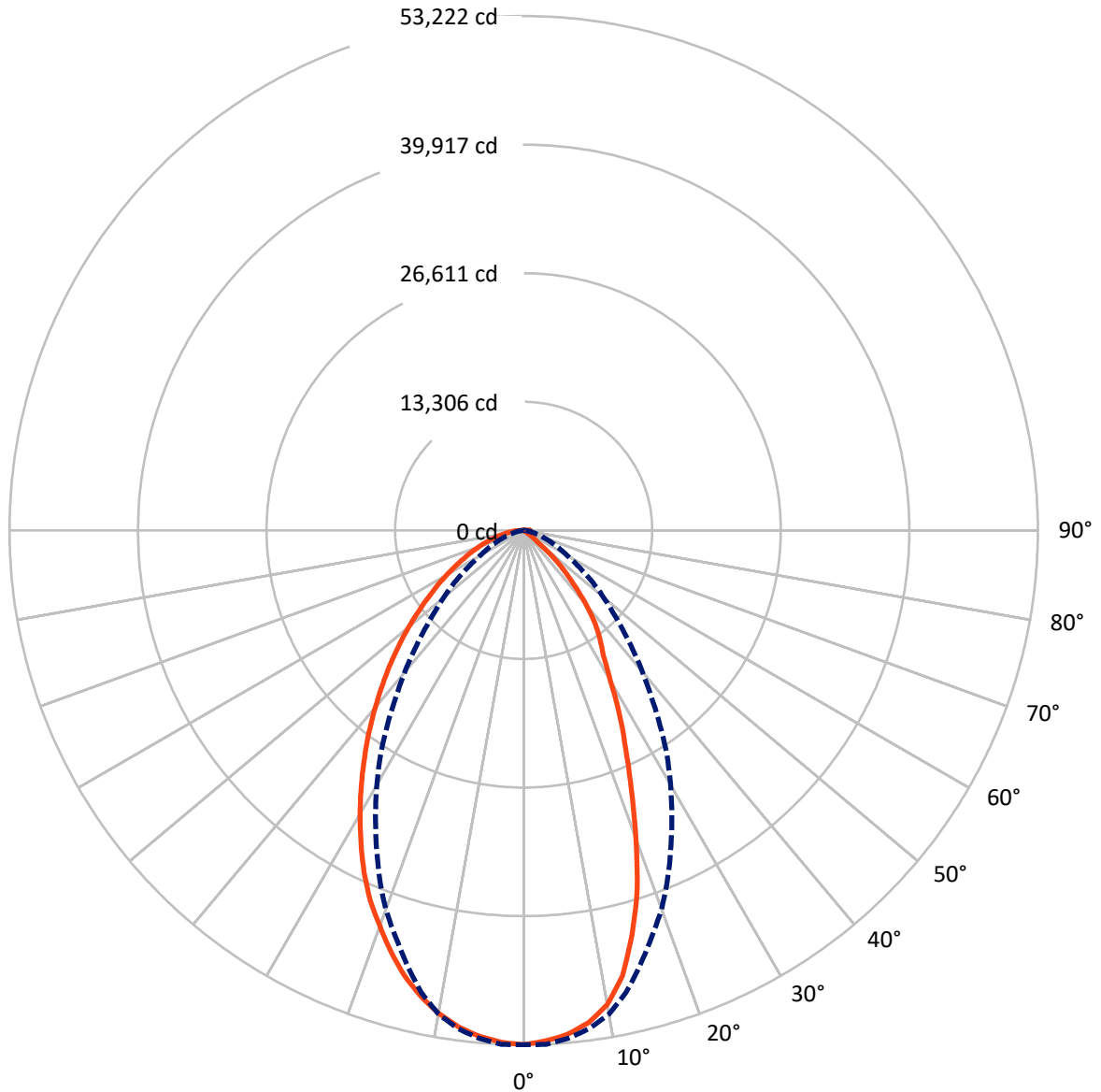
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Lumen Table



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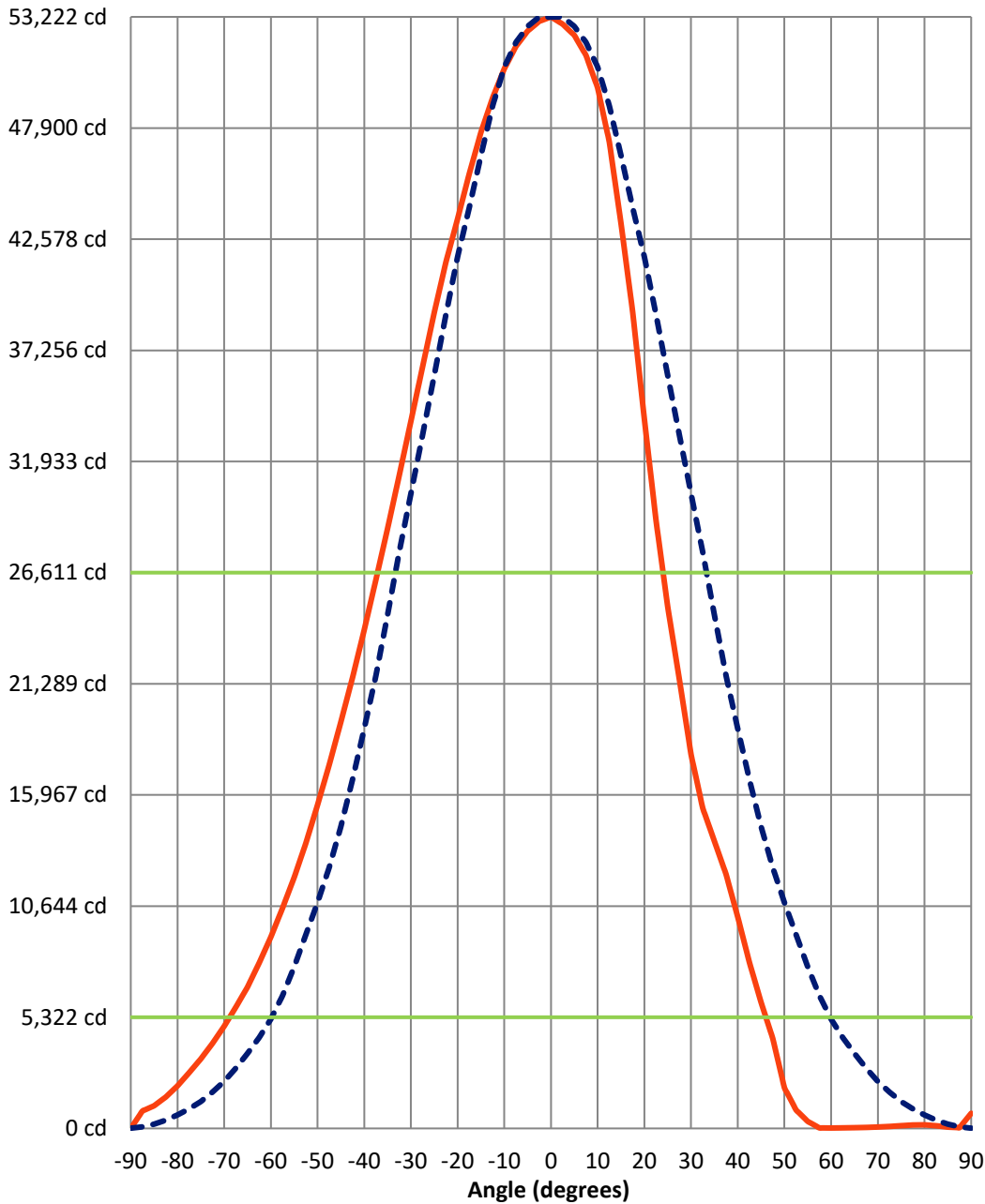
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
H Angle: 66.6°
V Angle: 61.2°
Lumens: 38443.8
Efficiency: 54.3%

Field:
H Angle: 119.6°
V Angle: 114.9°
Lumens: 66351
Efficiency: 93.7%

Spill:
Lumens: 4454.3
Efficiency: 6.3%

— Vertical Distribution through -2.5-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°	11.6	40.6	69.5	107.6	145.7	183.7	221.8	249.6	277.3	305.1	332.8
87.5°	11.6	14.7	16.8	18.2	19.4	20.3	20.9	20.9	20.6	20.1	19.3
85°	11.6	17.0	20.4	23.2	25.6	27.4	28.6	29.0	28.9	28.2	27.1
82.5°	11.6	19.3	24.0	28.3	31.7	34.5	36.4	37.2	37.8	40.6	42.8
80°	11.6	21.6	27.7	33.3	37.9	41.6	45.0	50.8	55.7	59.9	63.2
77.5°	11.6	23.9	31.3	38.3	44.1	51.5	59.9	67.1	73.6	79.2	81.7
75°	11.6	26.2	35.0	43.2	51.8	66.8	75.2	83.4	91.9	97.5	94.8
72.5°	11.6	28.5	38.6	48.2	66.1	82.3	90.8	101.8	114.1	116.6	109.4
70°	11.6	30.7	42.3	54.5	80.6	98.0	108.1	126.4	137.3	137.4	140.5
67.5°	11.6	33.0	46.1	66.7	95.1	114.0	134.5	151.8	162.0	176.1	177.2
65°	11.6	35.2	49.8	78.9	109.8	135.0	161.7	178.1	202.5	216.5	219.5
62.5°	11.6	37.4	53.6	91.1	124.6	161.0	189.7	214.5	244.4	261.2	272.3
60°	11.6	39.6	57.4	103.2	139.4	187.4	218.4	255.7	287.6	317.6	328.5
57.5°	11.6	41.7	66.2	115.3	162.1	214.2	258.0	298.3	342.1	376.7	394.2
55°	11.6	43.9	75.0	127.3	185.3	241.4	299.6	344.0	400.9	440.9	467.6
52.5°	11.6	46.0	83.6	139.2	208.5	270.6	342.0	401.5	461.7	517.2	546.5
50°	11.6	48.0	92.1	151.1	231.7	307.7	385.2	461.6	528.1	597.5	645.9
47.5°	11.6	50.0	100.4	164.4	255.0	345.1	430.5	522.9	605.6	682.0	755.5
45°	11.6	52.0	108.5	181.9	278.2	382.5	484.6	585.5	689.4	791.0	874.0
42.5°	11.6	54.0	116.4	199.2	301.4	420.1	539.2	656.3	775.9	906.7	1033.3
40°	11.6	55.9	124.1	216.3	327.8	457.6	594.1	733.4	870.2	1027.7	1210.4
37.5°	11.6	57.7	131.6	232.9	356.9	495.1	649.1	811.4	975.5	1157.3	1400.0
35°	11.6	59.5	138.9	249.0	385.6	537.0	704.1	890.3	1079.9	1308.1	1611.5
32.5°	11.6	61.2	145.8	264.6	413.7	580.7	762.0	969.8	1183.1	1452.8	1797.9
30°	11.6	62.9	152.6	279.5	441.2	623.6	826.4	1051.0	1284.8	1591.2	1972.5
27.5°	11.6	64.5	159.0	293.7	466.2	665.7	890.1	1135.8	1391.1	1722.9	2135.3
25°	11.6	66.0	165.1	307.2	489.8	706.6	952.7	1218.3	1503.2	1857.4	2286.9
22.5°	11.6	67.5	170.9	320.0	512.2	744.5	1014.0	1298.2	1609.1	1987.1	2446.3
20°	11.6	68.8	176.3	332.0	533.3	776.0	1073.6	1375.4	1708.9	2106.7	2596.6
17.5°	11.6	70.1	181.4	343.2	553.0	805.1	1120.4	1449.3	1802.3	2216.1	2737.3
15°	11.6	71.3	186.1	353.6	571.2	831.7	1156.8	1511.5	1889.2	2315.5	2867.8
12.5°	11.6	72.4	190.4	363.1	587.8	855.9	1188.9	1560.1	1965.8	2405.0	2987.6
10°	11.6	73.4	194.3	371.6	602.9	877.5	1216.8	1605.2	2034.5	2510.2	3109.5
7.5°	11.6	74.2	197.7	379.1	616.3	896.4	1240.5	1646.3	2098.2	2614.4	3248.5
5°	11.6	75.0	200.7	385.7	627.9	912.7	1260.0	1682.8	2156.2	2712.7	3375.6
2.5°	11.6	75.7	203.2	391.2	637.7	926.2	1275.3	1714.3	2207.5	2803.1	3490.0
0°	11.6	76.2	205.3	395.7	645.7	937.0	1286.4	1740.0	2251.5	2884.0	3590.9
-2.5°	11.6	77.7	208.5	401.7	656.2	954.5	1317.3	1782.8	2306.4	2940.7	3654.7
-5°	11.6	79.1	211.1	406.5	664.8	969.0	1343.7	1818.9	2352.8	2986.1	3703.9
-7.5°	11.6	80.3	213.3	410.2	671.2	980.3	1365.2	1848.0	2390.3	3020.3	3738.3
-10°	11.6	81.4	214.9	412.7	675.5	988.4	1381.4	1869.8	2418.4	3043.6	3757.8
-12.5°	11.6	82.3	216.0	414.0	677.6	993.0	1391.9	1883.9	2437.0	3056.6	3773.2
-15°	11.6	83.1	216.5	414.0	677.3	994.1	1396.4	1890.1	2443.3	3062.0	3776.9
-17.5°	11.6	83.8	216.6	412.8	674.7	991.6	1394.6	1885.7	2436.3	3053.9	3762.9
-20°	11.6	84.3	216.1	410.3	669.8	985.2	1386.9	1871.8	2418.4	3032.1	3730.7



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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°	11.6	84.7	215.0	406.4	662.3	975.1	1374.7	1850.5	2389.6	2996.3	3680.2
-25°	11.6	84.9	213.5	401.3	652.5	965.0	1357.1	1821.6	2349.6	2946.3	3611.1
-27.5°	11.6	85.0	211.4	394.8	640.1	952.7	1334.2	1785.4	2298.2	2885.8	3543.2
-30°	11.6	84.9	208.7	387.1	625.7	936.1	1305.8	1741.8	2244.2	2819.0	3459.3
-32.5°	11.6	84.6	205.5	378.0	612.5	915.4	1272.2	1700.1	2186.5	2738.6	3358.6
-35°	11.6	84.2	201.8	367.6	596.7	890.5	1240.8	1655.0	2120.3	2644.7	3241.2
-37.5°	11.6	83.7	197.6	355.9	578.2	863.9	1207.2	1603.7	2045.8	2537.3	3119.3
-40°	11.6	82.9	192.9	343.0	557.2	838.2	1168.2	1546.4	1963.1	2436.6	2991.0
-42.5°	11.6	82.1	187.6	329.5	537.6	809.0	1123.8	1483.0	1884.7	2336.9	2850.6
-45°	11.6	81.0	181.9	316.3	520.0	776.3	1074.1	1418.3	1805.2	2225.2	2702.0
-47.5°	11.6	79.9	175.6	301.7	500.4	740.1	1019.2	1353.5	1719.1	2101.9	2561.9
-50°	11.6	78.5	168.9	291.4	478.7	700.7	969.4	1282.4	1622.7	1991.3	2407.8
-52.5°	11.6	77.1	161.8	281.8	455.0	658.0	917.0	1205.0	1525.3	1871.0	2243.5
-55°	11.6	75.5	154.2	271.1	429.4	622.8	860.5	1123.4	1423.7	1741.6	2095.5
-57.5°	11.6	73.7	146.1	259.4	401.9	587.2	800.1	1050.8	1315.3	1613.2	1937.3
-60°	11.6	71.8	137.7	246.7	373.3	549.0	737.9	971.3	1204.6	1480.0	1774.3
-62.5°	11.6	69.8	133.4	233.1	353.5	508.6	687.1	886.6	1104.2	1339.6	1613.1
-65°	11.6	67.7	128.8	218.6	332.2	466.0	633.5	804.0	998.9	1211.8	1444.3
-67.5°	11.6	65.4	123.8	203.3	309.7	428.2	577.1	733.0	889.0	1083.4	1288.1
-70°	11.6	63.0	118.6	187.2	285.9	395.6	518.3	659.3	800.9	950.0	1134.3
-72.5°	11.6	60.5	113.2	177.2	261.0	361.5	471.5	583.1	710.5	843.8	982.8
-75°	11.6	57.9	107.5	168.3	235.1	325.9	424.9	518.9	617.4	735.2	857.8
-77.5°	11.6	55.2	101.6	159.0	219.4	289.0	376.7	458.0	541.9	630.4	729.7
-80°	11.6	52.5	95.5	149.4	205.5	263.6	326.9	395.5	466.8	541.6	619.8
-82.5°	11.6	49.6	89.3	139.4	191.1	244.5	299.2	343.2	390.1	451.0	514.5
-85°	11.6	46.6	82.8	129.0	176.4	224.7	274.0	312.5	351.1	390.2	429.6
-87.5°	11.6	43.6	76.2	118.4	161.2	204.4	248.2	281.2	314.5	347.9	381.5
-90°	11.6	12.4	13.2	13.2	13.2	13.2	13.2	12.8	12.4	12.0	11.6



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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°	357.2	381.6	406.0	430.4	454.4	478.5	502.5	526.5	548.9	571.2	593.6
87.5°	19.8	20.3	20.7	21.1	20.2	19.3	18.2	17.0	18.4	19.9	21.5
85°	28.0	28.9	31.4	33.2	34.5	36.3	38.5	41.1	46.0	50.8	55.6
82.5°	46.6	49.7	51.9	53.3	58.0	63.7	69.8	75.5	81.0	86.2	91.1
80°	67.4	70.6	71.2	72.0	78.1	85.6	93.5	101.8	108.5	114.6	120.3
77.5°	82.5	84.3	86.5	89.0	96.9	107.7	118.7	129.6	137.7	144.2	150.1
75°	94.4	97.8	105.7	110.6	119.4	132.1	144.9	157.2	165.3	169.7	172.7
72.5°	113.8	125.2	132.2	134.9	143.4	158.4	171.9	183.8	190.1	189.2	185.3
70°	143.6	154.2	163.4	166.8	170.5	185.0	196.0	204.5	208.4	200.8	185.9
67.5°	175.7	192.0	200.4	200.9	195.6	208.3	218.1	216.8	210.3	193.9	174.4
65°	217.0	232.6	240.0	237.0	222.9	225.7	225.1	219.2	204.1	181.6	158.2
62.5°	263.3	277.2	283.1	275.2	249.5	238.5	232.2	217.1	194.0	171.9	149.8
60°	322.1	325.2	329.0	314.9	282.6	252.1	240.1	225.0	200.3	170.0	151.8
57.5°	388.1	377.5	379.3	363.5	326.2	271.8	266.4	247.2	226.3	186.4	167.8
55°	464.2	435.1	439.8	425.4	391.2	330.3	309.6	306.9	277.6	246.3	211.8
52.5°	555.5	516.0	515.1	512.8	494.3	441.8	394.5	427.4	445.8	410.9	433.1
50°	658.1	638.4	608.7	643.2	654.2	626.4	584.8	676.7	787.5	838.2	836.9
47.5°	794.3	782.7	757.0	819.5	897.5	969.0	986.3	1152.4	1320.2	1505.6	1527.6
45°	954.7	984.2	969.6	1102.2	1269.4	1461.8	1604.7	1765.8	2147.7	2369.2	2697.3
42.5°	1132.8	1218.8	1297.2	1422.5	1816.8	2061.6	2277.1	2681.6	3061.4	3382.6	3721.7
40°	1362.0	1475.2	1646.4	1987.2	2412.3	2695.6	3066.6	3527.5	3912.2	4274.8	4622.0
37.5°	1610.5	1799.6	2031.5	2520.0	3003.7	3358.7	3813.0	4270.0	4707.4	5114.3	5599.7
35°	1873.2	2125.1	2490.3	3000.7	3508.2	4002.7	4502.6	5011.8	5510.9	6068.5	6614.3
32.5°	2159.1	2450.9	2911.9	3453.9	4022.0	4596.5	5177.3	5771.7	6406.1	7056.2	7635.4
30°	2417.1	2814.0	3304.6	3892.4	4533.6	5193.4	5871.1	6555.2	7334.1	8103.7	8798.4
27.5°	2614.2	3146.5	3694.4	4344.1	5046.7	5782.4	6567.7	7415.4	8322.2	9204.3	10029.0
25°	2803.2	3402.3	4068.2	4795.7	5576.1	6403.3	7281.7	8230.7	9343.5	10377.1	11405.8
22.5°	3001.3	3660.1	4378.6	5235.7	6091.4	7032.9	8007.6	9099.7	10329.6	11551.4	12801.5
20°	3212.1	3926.9	4685.1	5588.9	6573.7	7653.2	8690.7	9961.9	11330.0	12749.9	14274.7
17.5°	3417.5	4172.1	4982.1	5934.7	7002.0	8211.1	9349.4	10796.4	12312.5	13936.5	15661.1
15°	3615.4	4395.6	5253.0	6252.6	7416.4	8700.0	10031.2	11616.8	13312.3	15105.2	16916.3
12.5°	3803.5	4597.3	5497.2	6541.3	7803.3	9175.0	10641.5	12309.0	14166.1	16147.9	18122.0
10°	3979.5	4777.4	5714.1	6799.2	8158.2	9628.0	11184.6	12927.8	14858.7	16900.6	19102.4
7.5°	4112.8	4926.9	5905.5	7024.9	8476.3	10050.1	11660.0	13470.1	15444.0	17570.7	19937.7
5°	4214.9	5048.5	6082.4	7285.5	8781.9	10399.3	12051.0	13932.5	15923.8	18147.3	20658.8
2.5°	4292.5	5151.1	6234.0	7527.6	9055.6	10637.2	12306.1	14235.8	16355.5	18685.8	21244.9
0°	4349.1	5233.2	6357.3	7734.7	9277.7	10812.3	12494.4	14456.2	16706.1	19141.4	21677.7
-2.5°	4445.3	5378.7	6529.6	7898.8	9416.3	10983.7	12737.0	14763.0	17038.7	19428.8	22050.8
-5°	4522.3	5498.4	6668.9	8022.2	9506.5	11096.0	12904.1	14976.4	17256.4	19622.4	22243.5
-7.5°	4578.0	5589.0	6773.5	8104.1	9566.8	11186.7	13020.9	15082.6	17337.9	19738.0	22273.6
-10°	4611.0	5631.8	6806.4	8128.4	9599.3	11235.5	13065.7	15098.1	17313.5	19710.8	22191.1
-12.5°	4623.4	5630.9	6796.3	8108.6	9574.4	11212.2	13030.2	15024.4	17185.8	19535.7	21980.8
-15°	4615.2	5602.0	6749.0	8044.2	9490.1	11114.0	12913.6	14863.3	16948.9	19178.8	21555.1
-17.5°	4586.3	5545.1	6664.0	7934.9	9345.1	10938.7	12705.8	14565.4	16608.5	18766.9	21014.3
-20°	4536.7	5460.2	6541.0	7780.6	9147.2	10708.6	12412.2	14212.4	16174.9	18275.2	20408.4



REPORT NUMBER: P731473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4466.6	5347.3	6397.4	7606.8	8957.3	10447.0	12061.6	13787.6	15622.5	17688.5	19721.5
-25°	4385.9	5247.6	6247.1	7417.5	8717.3	10140.6	11651.1	13301.4	15033.2	16966.9	18934.7
-27.5°	4294.0	5126.5	6087.1	7190.5	8422.8	9800.1	11244.2	12793.4	14433.2	16171.9	18058.7
-30°	4180.3	4988.8	5895.3	6942.0	8124.4	9429.4	10818.0	12218.5	13771.7	15411.0	17140.5
-32.5°	4045.6	4822.5	5703.9	6700.9	7799.7	9000.3	10320.6	11652.3	13085.4	14602.6	16205.4
-35°	3901.3	4653.6	5490.7	6426.1	7443.5	8568.6	9774.4	11041.2	12359.2	13784.9	15194.8
-37.5°	3756.2	4460.5	5241.8	6135.2	7109.7	8109.3	9193.8	10398.9	11634.1	12894.6	14189.4
-40°	3593.0	4243.7	4994.0	5827.1	6709.4	7637.0	8653.1	9728.8	10877.1	12014.3	13174.9
-42.5°	3415.1	4043.6	4731.5	5474.8	6300.6	7163.7	8075.5	9082.1	10083.0	11115.7	12187.4
-45°	3246.3	3825.0	4452.2	5143.1	5872.9	6671.0	7522.0	8401.9	9302.8	10215.5	11191.1
-47.5°	3064.9	3598.1	4188.7	4787.6	5458.2	6180.6	6945.9	7737.6	8518.0	9354.8	10188.6
-50°	2876.0	3385.1	3894.0	4450.6	5046.2	5694.5	6388.6	7071.3	7784.9	8509.6	9261.2
-52.5°	2686.5	3159.4	3620.3	4107.6	4646.4	5222.1	5826.8	6436.8	7070.9	7708.8	8353.1
-55°	2482.0	2920.7	3338.9	3779.1	4251.5	4767.4	5279.4	5828.1	6377.8	6961.5	7490.8
-57.5°	2288.5	2662.5	3049.8	3451.9	3874.7	4313.8	4768.5	5227.6	5727.9	6231.2	6684.7
-60°	2097.7	2414.2	2752.4	3120.0	3498.5	3887.4	4264.2	4674.0	5097.2	5509.4	5924.3
-62.5°	1899.9	2180.1	2469.2	2781.1	3125.5	3460.6	3800.7	4146.0	4490.8	4856.5	5207.3
-65°	1704.7	1943.7	2200.0	2470.3	2747.2	3049.9	3349.0	3640.6	3948.5	4247.8	4538.4
-67.5°	1500.7	1719.7	1939.1	2164.3	2412.0	2659.1	2907.8	3175.7	3435.8	3680.4	3926.8
-70°	1318.5	1494.7	1689.0	1887.8	2084.8	2287.6	2508.4	2729.8	2947.2	3155.6	3368.9
-72.5°	1137.4	1295.5	1454.3	1613.4	1784.7	1955.4	2127.9	2301.7	2483.4	2665.2	2842.0
-75°	976.0	1094.5	1232.5	1372.9	1506.7	1637.2	1770.7	1918.4	2063.7	2206.3	2347.6
-77.5°	828.9	928.9	1032.3	1138.9	1240.6	1350.0	1459.9	1570.0	1678.4	1784.5	1888.4
-80°	690.5	760.7	844.0	930.3	1011.1	1090.8	1170.5	1250.0	1330.3	1414.3	1501.0
-82.5°	571.6	628.8	686.7	745.2	798.9	851.4	905.6	967.7	1031.2	1094.3	1156.6
-85°	462.9	495.7	540.1	585.1	628.0	670.3	712.0	753.1	795.3	837.0	877.9
-87.5°	410.3	438.9	467.4	495.7	523.0	550.0	576.8	603.5	630.6	657.8	684.9
-90°	11.6	11.6	11.6	11.6	11.2	10.8	10.3	9.9	9.5	9.1	8.7



REPORT NUMBER: P731473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	615.9	622.9	630.0	637.0	644.0	660.6	677.1	693.7	710.2	713.9	717.7
87.5°	23.2	23.2	23.2	23.2	23.1	26.8	30.6	34.5	38.5	38.1	37.5
85°	60.2	61.1	61.5	61.5	61.2	66.3	71.4	76.4	81.3	78.0	74.2
82.5°	95.9	97.6	99.3	101.0	102.8	108.1	113.4	118.3	122.9	124.5	125.9
80°	125.6	128.8	131.2	133.1	134.6	139.1	143.9	148.5	152.9	157.6	162.3
77.5°	154.2	155.3	154.7	153.2	150.8	151.5	152.5	153.1	153.1	155.5	158.3
75°	174.2	171.9	165.1	157.2	148.4	143.0	139.1	134.9	130.6	129.8	130.1
72.5°	178.6	169.5	158.3	144.4	130.7	121.2	114.7	108.5	102.6	99.7	98.0
70°	169.0	151.7	136.6	121.7	107.2	96.4	90.0	84.1	78.8	75.3	72.9
67.5°	152.2	130.8	114.9	99.6	85.4	74.2	68.6	63.5	58.8	55.3	52.8
65°	135.2	112.4	97.0	82.3	68.0	57.0	52.7	48.4	44.3	41.2	39.5
62.5°	125.7	101.8	85.9	73.0	60.0	47.3	42.8	38.5	34.1	30.8	29.3
60°	129.0	101.8	82.6	70.6	57.2	42.5	36.9	32.9	28.5	24.6	23.1
57.5°	149.3	119.6	90.8	86.1	72.5	50.8	52.9	61.6	55.1	38.0	36.1
55°	228.4	221.0	144.6	187.2	217.7	205.1	191.6	253.6	283.8	285.4	313.4
52.5°	453.8	507.4	487.4	510.6	636.5	687.5	680.8	791.7	849.2	841.4	871.4
50°	955.5	1065.1	1200.1	1221.9	1433.1	1579.5	1614.9	1743.3	1885.9	1940.4	2001.8
47.5°	1864.8	2121.7	2252.1	2399.1	2642.2	2908.5	3114.9	3299.7	3500.0	3636.9	3802.2
45°	3037.7	3219.2	3446.0	3787.5	4158.6	4506.1	4832.6	5130.1	5326.4	5501.3	5687.1
42.5°	4002.6	4292.5	4673.0	5182.3	5710.2	6067.0	6335.5	6622.3	6928.8	7220.3	7489.0
40°	4990.6	5326.6	5930.3	6507.4	6901.3	7245.7	7613.3	8002.4	8403.2	8785.5	9165.7
37.5°	6049.4	6546.1	7074.7	7579.1	7995.9	8321.6	8825.5	9256.5	9658.1	10227.4	10749.6
35°	7176.2	7715.9	8170.1	8747.0	9213.0	9614.8	10142.0	10684.9	11032.4	11813.4	12489.5
32.5°	8297.2	8926.2	9531.7	10079.6	10657.9	11277.4	11790.5	12535.2	13101.7	13848.7	14583.0
30°	9465.1	10327.5	11083.4	11684.7	12472.4	13273.2	13993.2	14870.1	15705.2	16400.4	17178.7
27.5°	10939.0	11897.8	12819.7	13746.2	14587.7	15587.8	16733.8	17661.4	18730.5	19488.5	20302.5
25°	12502.7	13644.9	14871.0	16065.4	17169.3	18463.1	19762.3	20895.6	22003.7	22877.1	23747.0
22.5°	14203.2	15584.3	17043.6	18547.1	20039.5	21457.0	22851.6	24254.0	25531.2	26731.7	27568.0
20°	15930.0	17463.7	19235.9	21047.4	22765.9	24365.8	26041.6	27815.1	29438.1	30829.3	31859.5
17.5°	17487.8	19411.6	21360.8	23348.3	25286.3	27263.7	29342.9	31428.8	33350.4	34979.7	36347.4
15°	18891.2	21070.9	23327.4	25569.8	27798.5	30075.1	32504.7	34752.1	36905.8	38774.4	40373.5
12.5°	20275.1	22603.2	25022.0	27536.3	30178.4	32643.4	35117.0	37540.4	39797.5	41969.6	43571.6
10°	21499.9	24013.7	26603.3	29297.6	32034.0	34708.2	37315.5	39841.8	42059.5	44110.4	46048.5
7.5°	22497.9	25193.9	27957.7	30791.5	33607.9	36315.8	38971.3	41495.8	43746.7	45848.5	47830.4
5°	23358.6	26218.1	29070.5	31894.5	34728.3	37537.0	40218.0	42707.3	45051.8	47235.9	49222.1
2.5°	24061.0	27042.6	29932.8	32714.2	35536.6	38411.5	41160.2	43565.1	46015.9	48237.3	50192.3
0°	24588.1	27597.9	30395.8	33201.9	36059.4	38966.5	41731.2	44087.1	46582.0	48956.0	50815.2
-2.5°	24876.4	27709.5	30494.3	33309.7	36253.3	39243.8	42004.7	44543.9	47024.4	49249.9	50978.3
-5°	24976.6	27763.5	30538.3	33404.6	36322.6	39266.1	42017.5	44563.5	46945.6	49027.1	50603.6
-7.5°	24909.4	27668.9	30415.9	33254.0	36153.5	39061.8	41769.1	44204.4	46498.4	48470.0	49974.3
-10°	24706.4	27378.7	30126.8	32918.2	35823.9	38695.2	41348.3	43545.3	45735.6	47585.3	49007.7
-12.5°	24371.1	26929.7	29639.9	32369.3	35220.3	37980.3	40452.6	42640.2	44597.3	46470.8	47715.9
-15°	23895.3	26362.1	28953.2	31626.0	34327.0	36997.1	39407.6	41522.1	43335.2	44813.1	46124.2
-17.5°	23298.6	25678.8	28161.6	30722.8	33231.0	35771.2	38005.2	40124.2	41868.3	43183.9	44201.3
-20°	22564.1	24873.9	27248.3	29693.6	32024.0	34184.5	36338.0	38308.3	40032.3	41318.8	42296.6



REPORT NUMBER: P731473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21788.7	23968.0	26217.4	28422.3	30544.5	32575.5	34525.9	36334.2	37973.5	39189.9	40125.7
-25°	20906.5	22944.6	25024.5	27015.8	28953.9	30844.8	32612.8	34288.4	35719.3	36902.6	37771.5
-27.5°	19940.4	21838.1	23715.4	25567.3	27365.6	29000.1	30626.8	32139.4	33397.9	34486.0	35255.4
-30°	18884.6	20620.1	22379.5	24115.5	25671.1	27143.6	28588.8	29901.8	31055.3	32010.8	32700.9
-32.5°	17771.1	19356.7	20988.6	22558.3	23922.4	25250.9	26511.2	27662.2	28719.9	29564.2	30186.5
-35°	16620.0	18088.9	19554.4	20911.7	22183.1	23364.8	24450.7	25470.9	26347.1	27116.8	27726.9
-37.5°	15487.6	16810.8	18082.6	19267.7	20442.5	21526.2	22474.8	23369.8	24166.5	24808.4	25343.3
-40°	14377.2	15548.3	16631.1	17686.0	18735.7	19653.1	20514.5	21286.4	21991.4	22604.6	23079.8
-42.5°	13273.3	14281.8	15216.4	16165.7	17073.2	17868.8	18618.8	19287.6	19899.4	20449.0	20909.7
-45°	12165.3	13027.9	13859.7	14694.3	15447.9	16156.5	16808.4	17396.0	17942.5	18405.3	18783.1
-47.5°	11033.7	11798.9	12554.5	13277.7	13902.9	14515.2	15076.5	15604.3	16096.8	16512.9	16846.7
-50°	9953.2	10629.5	11306.1	11904.0	12429.6	12939.5	13414.5	13924.1	14380.0	14759.1	15035.0
-52.5°	8938.9	9550.4	10132.0	10621.6	11065.9	11464.1	11828.9	12302.3	12731.5	13103.8	13348.4
-55°	8015.0	8538.4	9037.0	9441.5	9812.6	10144.6	10475.8	10856.2	11202.7	11512.5	11716.9
-57.5°	7145.4	7589.1	8003.9	8344.5	8653.9	8931.5	9239.0	9557.1	9841.2	10085.8	10250.4
-60°	6321.0	6698.7	7042.7	7322.9	7580.1	7813.8	8106.4	8384.0	8629.6	8829.0	8951.9
-62.5°	5543.3	5882.0	6149.5	6374.8	6580.3	6777.2	7032.9	7272.7	7494.2	7671.1	7774.0
-65°	4831.3	5127.8	5326.7	5505.0	5666.9	5844.3	6061.7	6256.8	6429.8	6561.2	6650.7
-67.5°	4182.1	4416.8	4573.6	4715.3	4854.0	5005.8	5190.3	5360.6	5516.3	5624.5	5691.4
-70°	3577.5	3758.4	3885.5	4006.0	4121.8	4251.9	4403.1	4543.9	4673.8	4757.8	4811.2
-72.5°	3013.4	3151.3	3256.3	3360.0	3453.4	3565.0	3688.2	3803.7	3910.9	3974.1	4014.7
-75°	2487.1	2592.8	2678.8	2758.4	2831.4	2925.3	3025.1	3118.9	3206.1	3254.3	3285.5
-77.5°	1999.1	2080.0	2144.8	2204.0	2257.8	2332.2	2409.1	2481.3	2548.6	2591.5	2626.0
-80°	1585.7	1634.7	1674.5	1711.5	1745.8	1801.4	1857.7	1910.9	1960.6	1988.7	2010.9
-82.5°	1218.1	1247.8	1271.5	1292.3	1310.1	1348.9	1387.6	1424.1	1458.6	1476.7	1492.1
-85°	918.2	934.1	947.6	959.6	970.1	997.0	1023.7	1049.4	1074.2	1079.4	1083.1
-87.5°	711.9	720.6	728.8	736.8	744.5	764.4	784.3	804.1	823.7	827.1	830.2
-90°	8.3	7.9	7.5	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2



REPORT NUMBER: P731473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	721.4	725.1	722.7	720.2	722.7	725.1	721.4	717.7	713.9	710.2	693.7
87.5°	36.9	36.3	36.4	36.4	36.4	36.3	36.9	37.5	38.1	38.5	34.5
85°	70.2	66.0	62.9	59.6	62.9	66.0	70.2	74.2	78.0	81.3	76.4
82.5°	127.2	128.4	128.1	127.5	128.1	128.4	127.2	125.9	124.5	122.9	118.3
80°	166.9	171.4	172.8	173.8	172.8	171.4	166.9	162.3	157.6	152.9	148.5
77.5°	161.1	163.9	164.8	165.6	164.8	163.9	161.1	158.3	155.5	153.1	153.1
75°	130.6	131.5	131.0	130.8	131.0	131.5	130.6	130.1	129.8	130.6	134.9
72.5°	96.5	95.4	94.7	94.4	94.7	95.4	96.5	98.0	99.7	102.6	108.5
70°	70.7	68.8	67.3	66.2	67.3	68.8	70.7	72.9	75.3	78.8	84.1
67.5°	50.6	48.9	47.4	46.4	47.4	48.9	50.6	52.8	55.3	58.8	63.5
65°	38.1	37.0	35.8	34.8	35.8	37.0	38.1	39.5	41.2	44.3	48.4
62.5°	28.1	27.1	26.6	26.5	26.6	27.1	28.1	29.3	30.8	34.1	38.5
60°	21.8	20.5	20.0	19.9	20.0	20.5	21.8	23.1	24.6	28.5	32.9
57.5°	32.6	27.9	25.1	23.2	25.1	27.9	32.6	36.1	38.0	55.1	61.6
55°	328.3	329.3	335.9	342.7	335.9	329.3	328.3	313.4	285.4	283.8	253.6
52.5°	894.3	891.4	883.3	867.5	883.3	891.4	894.3	871.4	841.4	849.2	791.7
50°	2038.7	2009.9	1947.5	1859.2	1947.5	2009.9	2038.7	2001.8	1940.4	1885.9	1743.3
47.5°	4024.7	4191.2	4306.4	4357.4	4306.4	4191.2	4024.7	3802.2	3636.9	3500.0	3299.7
45°	5880.4	5979.2	6036.8	6082.5	6036.8	5979.2	5880.4	5687.1	5501.3	5326.4	5130.1
42.5°	7717.7	7874.2	7951.3	7938.3	7951.3	7874.2	7717.7	7489.0	7220.3	6928.8	6622.3
40°	9531.0	9858.6	10127.5	10320.6	10127.5	9858.6	9531.0	9165.7	8785.5	8403.2	8002.4
37.5°	11266.1	11753.9	12166.0	12464.6	12166.0	11753.9	11266.1	10749.6	10227.4	9658.1	9256.5
35°	13042.6	13472.9	13755.3	13878.4	13755.3	13472.9	13042.6	12489.5	11813.4	11032.4	10684.9
32.5°	15051.3	15290.3	15341.0	15469.4	15341.0	15290.3	15051.3	14583.0	13848.7	13101.7	12535.2
30°	17652.6	17901.1	17907.1	18068.6	17907.1	17901.1	17652.6	17178.7	16400.4	15705.2	14870.1
27.5°	20944.1	21362.6	21498.4	21641.2	21498.4	21362.6	20944.1	20302.5	19488.5	18730.5	17661.4
25°	24468.7	24858.8	24983.7	24935.8	24983.7	24858.8	24468.7	23747.0	22877.1	22003.7	20895.6
22.5°	28424.7	28930.4	29114.5	29021.7	29114.5	28930.4	28424.7	27568.0	26731.7	25531.2	24254.0
20°	32852.4	33582.4	33968.2	34142.2	33968.2	33582.4	32852.4	31859.5	30829.3	29438.1	27815.1
17.5°	37512.9	38588.6	39082.5	39228.1	39082.5	38588.6	37512.9	36347.4	34979.7	33350.4	31428.8
15°	41752.7	42691.9	43332.4	43661.6	43332.4	42691.9	41752.7	40373.5	38774.4	36905.8	34752.1
12.5°	45031.0	46228.0	47225.7	47760.7	47225.7	46228.0	45031.0	43571.6	41969.6	39797.5	37540.4
10°	47703.2	48911.9	49819.1	50258.9	49819.1	48911.9	47703.2	46048.5	44110.4	42059.5	39841.8
7.5°	49552.1	50675.3	51379.7	51667.8	51379.7	50675.3	49552.1	47830.4	45848.5	43746.7	41495.8
5°	50747.1	51821.1	52341.8	52528.7	52341.8	51821.1	50747.1	49222.1	47235.9	45051.8	42707.3
2.5°	51607.6	52457.4	52874.3	52901.2	52874.3	52457.4	51607.6	50192.3	48237.3	46015.9	43565.1
0°	52000.6	52765.4	53222.4	53214.1	53222.4	52765.4	52000.6	50815.2	48956.0	46582.0	44087.1
-2.5°	52019.6	52685.0	53009.7	52826.7	53009.7	52685.0	52019.6	50978.3	49249.9	47024.4	44543.9
-5°	51648.6	52299.9	52543.3	52487.3	52543.3	52299.9	51648.6	50603.6	49027.1	46945.6	44563.5
-7.5°	50982.5	51560.4	51808.8	51816.8	51808.8	51560.4	50982.5	49974.3	48470.0	46498.4	44204.4
-10°	49966.8	50449.6	50734.1	50653.0	50734.1	50449.6	49966.8	49007.7	47585.3	45735.6	43545.3
-12.5°	48623.1	49099.6	49340.9	49292.1	49340.9	49099.6	48623.1	47715.9	46470.8	44597.3	42640.2
-15°	47015.7	47468.6	47694.7	47673.0	47694.7	47468.6	47015.7	46124.2	44813.1	43335.2	41522.1
-17.5°	45025.7	45479.7	45711.1	45742.6	45711.1	45479.7	45025.7	44201.3	43183.9	41868.3	40124.2
-20°	42940.2	43340.6	43552.6	43555.7	43552.6	43340.6	42940.2	42296.6	41318.8	40032.3	38308.3



REPORT NUMBER: P731473 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	40778.4	41228.0	41479.6	41441.5	41479.6	41228.0	40778.4	40125.7	39189.9	37973.5	36334.2
-25°	38368.7	38819.3	39063.9	39054.2	39063.9	38819.3	38368.7	37771.5	36902.6	35719.3	34288.4
-27.5°	35796.3	36229.4	36465.5	36494.8	36465.5	36229.4	35796.3	35255.4	34486.0	33397.9	32139.4
-30°	33205.1	33632.1	33863.4	33882.3	33863.4	33632.1	33205.1	32700.9	32010.8	31055.3	29901.8
-32.5°	30666.1	31051.7	31265.3	31288.1	31265.3	31051.7	30666.1	30186.5	29564.2	28719.9	27662.2
-35°	28189.0	28527.7	28719.5	28781.6	28719.5	28527.7	28189.0	27726.9	27116.8	26347.1	25470.9
-37.5°	25778.1	26084.3	26269.4	26382.7	26269.4	26084.3	25778.1	25343.3	24808.4	24166.5	23369.8
-40°	23449.4	23717.7	23865.3	23868.0	23865.3	23717.7	23449.4	23079.8	22604.6	21991.4	21286.4
-42.5°	21251.0	21476.9	21589.8	21591.6	21589.8	21476.9	21251.0	20909.7	20449.0	19899.4	19287.6
-45°	19087.3	19308.3	19464.7	19563.5	19464.7	19308.3	19087.3	18783.1	18405.3	17942.5	17396.0
-47.5°	17101.3	17282.4	17406.6	17474.2	17406.6	17282.4	17101.3	16846.7	16512.9	16096.8	15604.3
-50°	15237.1	15381.9	15487.8	15550.5	15487.8	15381.9	15237.1	15035.0	14759.1	14380.0	13924.1
-52.5°	13514.3	13620.1	13658.0	13633.4	13658.0	13620.1	13514.3	13348.4	13103.8	12731.5	12302.3
-55°	11870.0	11975.4	12017.5	12002.7	12017.5	11975.4	11870.0	11716.9	11512.5	11202.7	10856.2
-57.5°	10379.9	10473.3	10548.0	10593.8	10548.0	10473.3	10379.9	10250.4	10085.8	9841.2	9557.1
-60°	9048.7	9117.8	9164.7	9183.3	9164.7	9117.8	9048.7	8951.9	8829.0	8629.6	8384.0
-62.5°	7846.2	7889.2	7922.6	7936.7	7922.6	7889.2	7846.2	7774.0	7671.1	7494.2	7272.7
-65°	6722.1	6774.6	6768.2	6731.4	6768.2	6774.6	6722.1	6650.7	6561.2	6429.8	6256.8
-67.5°	5741.9	5776.0	5805.4	5820.9	5805.4	5776.0	5741.9	5691.4	5624.5	5516.3	5360.6
-70°	4851.9	4879.9	4890.4	4887.2	4890.4	4879.9	4851.9	4811.2	4757.8	4673.8	4543.9
-72.5°	4045.3	4065.8	4069.8	4062.7	4069.8	4065.8	4045.3	4014.7	3974.1	3910.9	3803.7
-75°	3307.6	3321.2	3328.0	3327.6	3328.0	3321.2	3307.6	3285.5	3254.3	3206.1	3118.9
-77.5°	2654.7	2677.6	2667.8	2650.5	2667.8	2677.6	2654.7	2626.0	2591.5	2548.6	2481.3
-80°	2028.9	2042.9	2035.3	2023.1	2035.3	2042.9	2028.9	2010.9	1988.7	1960.6	1910.9
-82.5°	1505.3	1516.4	1503.8	1488.3	1503.8	1516.4	1505.3	1492.1	1476.7	1458.6	1424.1
-85°	1085.8	1087.4	1086.4	1084.4	1086.4	1087.4	1085.8	1083.1	1079.4	1074.2	1049.4
-87.5°	833.0	835.6	833.4	831.1	833.4	835.6	833.0	830.2	827.1	823.7	804.1
-90°	3.7	3.3	4.2	5.0	4.2	3.3	3.7	4.2	4.6	5.0	5.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	677.1	660.6	644.0	637.0	630.0	622.9	615.9	593.6	571.2	548.9	526.5
87.5°	30.6	26.8	23.1	23.2	23.2	23.2	23.2	21.5	19.9	18.4	17.0
85°	71.4	66.3	61.2	61.5	61.5	61.1	60.2	55.6	50.8	46.0	41.1
82.5°	113.4	108.1	102.8	101.0	99.3	97.6	95.9	91.1	86.2	81.0	75.5
80°	143.9	139.1	134.6	133.1	131.2	128.8	125.6	120.3	114.6	108.5	101.8
77.5°	152.5	151.5	150.8	153.2	154.7	155.3	154.2	150.1	144.2	137.7	129.6
75°	139.1	143.0	148.4	157.2	165.1	171.9	174.2	172.7	169.7	165.3	157.2
72.5°	114.7	121.2	130.7	144.4	158.3	169.5	178.6	185.3	189.2	190.1	183.8
70°	90.0	96.4	107.2	121.7	136.6	151.7	169.0	185.9	200.8	208.4	204.5
67.5°	68.6	74.2	85.4	99.6	114.9	130.8	152.2	174.4	193.9	210.3	216.8
65°	52.7	57.0	68.0	82.3	97.0	112.4	135.2	158.2	181.6	204.1	219.2
62.5°	42.8	47.3	60.0	73.0	85.9	101.8	125.7	149.8	171.9	194.0	217.1
60°	36.9	42.5	57.2	70.6	82.6	101.8	129.0	151.8	170.0	200.3	225.0
57.5°	52.9	50.8	72.5	86.1	90.8	119.6	149.3	167.8	186.4	226.3	247.2
55°	191.6	205.1	217.7	187.2	144.6	221.0	228.4	211.8	246.3	277.6	306.9
52.5°	680.8	687.5	636.5	510.6	487.4	507.4	453.8	433.1	410.9	445.8	427.4
50°	1614.9	1579.5	1433.1	1221.9	1200.1	1065.1	955.5	836.9	838.2	787.5	676.7
47.5°	3114.9	2908.5	2642.2	2399.1	2252.1	2121.7	1864.8	1527.6	1505.6	1320.2	1152.4
45°	4832.6	4506.1	4158.6	3787.5	3446.0	3219.2	3037.7	2697.3	2369.2	2147.7	1765.8
42.5°	6335.5	6067.0	5710.2	5182.3	4673.0	4292.5	4002.6	3721.7	3382.6	3061.4	2681.6
40°	7613.3	7245.7	6901.3	6507.4	5930.3	5326.6	4990.6	4622.0	4274.8	3912.2	3527.5
37.5°	8825.5	8321.6	7995.9	7579.1	7074.7	6546.1	6049.4	5599.7	5114.3	4707.4	4270.0
35°	10142.0	9614.8	9213.0	8747.0	8170.1	7715.9	7176.2	6614.3	6068.5	5510.9	5011.8
32.5°	11790.5	11277.4	10657.9	10079.6	9531.7	8926.2	8297.2	7635.4	7056.2	6406.1	5771.7
30°	13993.2	13273.2	12472.4	11684.7	11083.4	10327.5	9465.1	8798.4	8103.7	7334.1	6555.2
27.5°	16733.8	15587.8	14587.7	13746.2	12819.7	11897.8	10939.0	10029.0	9204.3	8322.2	7415.4
25°	19762.3	18463.1	17169.3	16065.4	14871.0	13644.9	12502.7	11405.8	10377.1	9343.5	8230.7
22.5°	22851.6	21457.0	20039.5	18547.1	17043.6	15584.3	14203.2	12801.5	11551.4	10329.6	9099.7
20°	26041.6	24365.8	22765.9	21047.4	19235.9	17463.7	15930.0	14274.7	12749.9	11330.0	9961.9
17.5°	29342.9	27263.7	25286.3	23348.3	21360.8	19411.6	17487.8	15661.1	13936.5	12312.5	10796.4
15°	32504.7	30075.1	27798.5	25569.8	23327.4	21070.9	18891.2	16916.3	15105.2	13312.3	11616.8
12.5°	35117.0	32643.4	30178.4	27536.3	25022.0	22603.2	20275.1	18122.0	16147.9	14166.1	12309.0
10°	37315.5	34708.2	32034.0	29297.6	26603.3	24013.7	21499.9	19102.4	16900.6	14858.7	12927.8
7.5°	38971.3	36315.8	33607.9	30791.5	27957.7	25193.9	22497.9	19937.7	17570.7	15444.0	13470.1
5°	40218.0	37537.0	34728.3	31894.5	29070.5	26218.1	23358.6	20658.8	18147.3	15923.8	13932.5
2.5°	41160.2	38411.5	35536.6	32714.2	29932.8	27042.6	24061.0	21244.9	18685.8	16355.5	14235.8
0°	41731.2	38966.5	36059.4	33201.9	30395.8	27597.9	24588.1	21677.7	19141.4	16706.1	14456.2
-2.5°	42004.7	39243.8	36253.3	33309.7	30494.3	27709.5	24876.4	22050.8	19428.8	17038.7	14763.0
-5°	42017.5	39266.1	36322.6	33404.6	30538.3	27763.5	24976.6	22243.5	19622.4	17256.4	14976.4
-7.5°	41769.1	39061.8	36153.5	33254.0	30415.9	27668.9	24909.4	22273.6	19738.0	17337.9	15082.6
-10°	41348.3	38695.2	35823.9	32918.2	30126.8	27378.7	24706.4	22191.1	19710.8	17313.5	15098.1
-12.5°	40452.6	37980.3	35220.3	32369.3	29639.9	26929.7	24371.1	21980.8	19535.7	17185.8	15024.4
-15°	39407.6	36997.1	34327.0	31626.0	28953.2	26362.1	23895.3	21555.1	19178.8	16948.9	14863.3
-17.5°	38005.2	35771.2	33231.0	30722.8	28161.6	25678.8	23298.6	21014.3	18766.9	16608.5	14565.4
-20°	36338.0	34184.5	32024.0	29693.6	27248.3	24873.9	22564.1	20408.4	18275.2	16174.9	14212.4



REPORT NUMBER: P731473 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	34525.9	32575.5	30544.5	28422.3	26217.4	23968.0	21788.7	19721.5	17688.5	15622.5	13787.6
-25°	32612.8	30844.8	28953.9	27015.8	25024.5	22944.6	20906.5	18934.7	16966.9	15033.2	13301.4
-27.5°	30626.8	29000.1	27365.6	25567.3	23715.4	21838.1	19940.4	18058.7	16171.9	14433.2	12793.4
-30°	28588.8	27143.6	25671.1	24115.5	22379.5	20620.1	18884.6	17140.5	15411.0	13771.7	12218.5
-32.5°	26511.2	25250.9	23922.4	22558.3	20988.6	19356.7	17771.1	16205.4	14602.6	13085.4	11652.3
-35°	24450.7	23364.8	22183.1	20911.7	19554.4	18088.9	16620.0	15194.8	13784.9	12359.2	11041.2
-37.5°	22474.8	21526.2	20442.5	19267.7	18082.6	16810.8	15487.6	14189.4	12894.6	11634.1	10398.9
-40°	20514.5	19653.1	18735.7	17686.0	16631.1	15548.3	14377.2	13174.9	12014.3	10877.1	9728.8
-42.5°	18618.8	17868.8	17073.2	16165.7	15216.4	14281.8	13273.3	12187.4	11115.7	10083.0	9082.1
-45°	16808.4	16156.5	15447.9	14694.3	13859.7	13027.9	12165.3	11191.1	10215.5	9302.8	8401.9
-47.5°	15076.5	14515.2	13902.9	13277.7	12554.5	11798.9	11033.7	10188.6	9354.8	8518.0	7737.6
-50°	13414.5	12939.5	12429.6	11904.0	11306.1	10629.5	9953.2	9261.2	8509.6	7784.9	7071.3
-52.5°	11828.9	11464.1	11065.9	10621.6	10132.0	9550.4	8938.9	8353.1	7708.8	7070.9	6436.8
-55°	10475.8	10144.6	9812.6	9441.5	9037.0	8538.4	8015.0	7490.8	6961.5	6377.8	5828.1
-57.5°	9239.0	8931.5	8653.9	8344.5	8003.9	7589.1	7145.4	6684.7	6231.2	5727.9	5227.6
-60°	8106.4	7813.8	7580.1	7322.9	7042.7	6698.7	6321.0	5924.3	5509.4	5097.2	4674.0
-62.5°	7032.9	6777.2	6580.3	6374.8	6149.5	5882.0	5543.3	5207.3	4856.5	4490.8	4146.0
-65°	6061.7	5844.3	5666.9	5505.0	5326.7	5127.8	4831.3	4538.4	4247.8	3948.5	3640.6
-67.5°	5190.3	5005.8	4854.0	4715.3	4573.6	4416.8	4182.1	3926.8	3680.4	3435.8	3175.7
-70°	4403.1	4251.9	4121.8	4006.0	3885.5	3758.4	3577.5	3368.9	3155.6	2947.2	2729.8
-72.5°	3688.2	3565.0	3453.4	3360.0	3256.3	3151.3	3013.4	2842.0	2665.2	2483.4	2301.7
-75°	3025.1	2925.3	2831.4	2758.4	2678.8	2592.8	2487.1	2347.6	2206.3	2063.7	1918.4
-77.5°	2409.1	2332.2	2257.8	2204.0	2144.8	2080.0	1999.1	1888.4	1784.5	1678.4	1570.0
-80°	1857.7	1801.4	1745.8	1711.5	1674.5	1634.7	1585.7	1501.0	1414.3	1330.3	1250.0
-82.5°	1387.6	1348.9	1310.1	1292.3	1271.5	1247.8	1218.1	1156.6	1094.3	1031.2	967.7
-85°	1023.7	997.0	970.1	959.6	947.6	934.1	918.2	877.9	837.0	795.3	753.1
-87.5°	784.3	764.4	744.5	736.8	728.8	720.6	711.9	684.9	657.8	630.6	603.5
-90°	5.8	6.2	6.6	7.0	7.5	7.9	8.3	8.7	9.1	9.5	9.9



REPORT NUMBER: P731473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	502.5	478.5	454.4	430.4	406.0	381.6	357.2	332.8	305.1	277.3	249.6
87.5°	18.2	19.3	20.2	21.1	20.7	20.3	19.8	19.3	20.1	20.6	20.9
85°	38.5	36.3	34.5	33.2	31.4	28.9	28.0	27.1	28.2	28.9	29.0
82.5°	69.8	63.7	58.0	53.3	51.9	49.7	46.6	42.8	40.6	37.8	37.2
80°	93.5	85.6	78.1	72.0	71.2	70.6	67.4	63.2	59.9	55.7	50.8
77.5°	118.7	107.7	96.9	89.0	86.5	84.3	82.5	81.7	79.2	73.6	67.1
75°	144.9	132.1	119.4	110.6	105.7	97.8	94.4	94.8	97.5	91.9	83.4
72.5°	171.9	158.4	143.4	134.9	132.2	125.2	113.8	109.4	116.6	114.1	101.8
70°	196.0	185.0	170.5	166.8	163.4	154.2	143.6	140.5	137.4	137.3	126.4
67.5°	218.1	208.3	195.6	200.9	200.4	192.0	175.7	177.2	176.1	162.0	151.8
65°	225.1	225.7	222.9	237.0	240.0	232.6	217.0	219.5	216.5	202.5	178.1
62.5°	232.2	238.5	249.5	275.2	283.1	277.2	263.3	272.3	261.2	244.4	214.5
60°	240.1	252.1	282.6	314.9	329.0	325.2	322.1	328.5	317.6	287.6	255.7
57.5°	266.4	271.8	326.2	363.5	379.3	377.5	388.1	394.2	376.7	342.1	298.3
55°	309.6	330.3	391.2	425.4	439.8	435.1	464.2	467.6	440.9	400.9	344.0
52.5°	394.5	441.8	494.3	512.8	515.1	516.0	555.5	546.5	517.2	461.7	401.5
50°	584.8	626.4	654.2	643.2	608.7	638.4	658.1	645.9	597.5	528.1	461.6
47.5°	986.3	969.0	897.5	819.5	757.0	782.7	794.3	755.5	682.0	605.6	522.9
45°	1604.7	1461.8	1269.4	1102.2	969.6	984.2	954.7	874.0	791.0	689.4	585.5
42.5°	2277.1	2061.6	1816.8	1422.5	1297.2	1218.8	1132.8	1033.3	906.7	775.9	656.3
40°	3066.6	2695.6	2412.3	1987.2	1646.4	1475.2	1362.0	1210.4	1027.7	870.2	733.4
37.5°	3813.0	3358.7	3003.7	2520.0	2031.5	1799.6	1610.5	1400.0	1157.3	975.5	811.4
35°	4502.6	4002.7	3508.2	3000.7	2490.3	2125.1	1873.2	1611.5	1308.1	1079.9	890.3
32.5°	5177.3	4596.5	4022.0	3453.9	2911.9	2450.9	2159.1	1797.9	1452.8	1183.1	969.8
30°	5871.1	5193.4	4533.6	3892.4	3304.6	2814.0	2417.1	1972.5	1591.2	1284.8	1051.0
27.5°	6567.7	5782.4	5046.7	4344.1	3694.4	3146.5	2614.2	2135.3	1722.9	1391.1	1135.8
25°	7281.7	6403.3	5576.1	4795.7	4068.2	3402.3	2803.2	2286.9	1857.4	1503.2	1218.3
22.5°	8007.6	7032.9	6091.4	5235.7	4378.6	3660.1	3001.3	2446.3	1987.1	1609.1	1298.2
20°	8690.7	7653.2	6573.7	5588.9	4685.1	3926.9	3212.1	2596.6	2106.7	1708.9	1375.4
17.5°	9349.4	8211.1	7002.0	5934.7	4982.1	4172.1	3417.5	2737.3	2216.1	1802.3	1449.3
15°	10031.2	8700.0	7416.4	6252.6	5253.0	4395.6	3615.4	2867.8	2315.5	1889.2	1511.5
12.5°	10641.5	9175.0	7803.3	6541.3	5497.2	4597.3	3803.5	2987.6	2405.0	1965.8	1560.1
10°	11184.6	9628.0	8158.2	6799.2	5714.1	4777.4	3979.5	3109.5	2510.2	2034.5	1605.2
7.5°	11660.0	10050.1	8476.3	7024.9	5905.5	4926.9	4112.8	3248.5	2614.4	2098.2	1646.3
5°	12051.0	10399.3	8781.9	7285.5	6082.4	5048.5	4214.9	3375.6	2712.7	2156.2	1682.8
2.5°	12306.1	10637.2	9055.6	7527.6	6234.0	5151.1	4292.5	3490.0	2803.1	2207.5	1714.3
0°	12494.4	10812.3	9277.7	7734.7	6357.3	5233.2	4349.1	3590.9	2884.0	2251.5	1740.0
-2.5°	12737.0	10983.7	9416.3	7898.8	6529.6	5378.7	4445.3	3654.7	2940.7	2306.4	1782.8
-5°	12904.1	11096.0	9506.5	8022.2	6668.9	5498.4	4522.3	3703.9	2986.1	2352.8	1818.9
-7.5°	13020.9	11186.7	9566.8	8104.1	6773.5	5589.0	4578.0	3738.3	3020.3	2390.3	1848.0
-10°	13065.7	11235.5	9599.3	8128.4	6806.4	5631.8	4611.0	3757.8	3043.6	2418.4	1869.8
-12.5°	13030.2	11212.2	9574.4	8108.6	6796.3	5630.9	4623.4	3773.2	3056.6	2437.0	1883.9
-15°	12913.6	11114.0	9490.1	8044.2	6749.0	5602.0	4615.2	3776.9	3062.0	2443.3	1890.1
-17.5°	12705.8	10938.7	9345.1	7934.9	6664.0	5545.1	4586.3	3762.9	3053.9	2436.3	1885.7
-20°	12412.2	10708.6	9147.2	7780.6	6541.0	5460.2	4536.7	3730.7	3032.1	2418.4	1871.8



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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°	12061.6	10447.0	8957.3	7606.8	6397.4	5347.3	4466.6	3680.2	2996.3	2389.6	1850.5
-25°	11651.1	10140.6	8717.3	7417.5	6247.1	5247.6	4385.9	3611.1	2946.3	2349.6	1821.6
-27.5°	11244.2	9800.1	8422.8	7190.5	6087.1	5126.5	4294.0	3543.2	2885.8	2298.2	1785.4
-30°	10818.0	9429.4	8124.4	6942.0	5895.3	4988.8	4180.3	3459.3	2819.0	2244.2	1741.8
-32.5°	10320.6	9000.3	7799.7	6700.9	5703.9	4822.5	4045.6	3358.6	2738.6	2186.5	1700.1
-35°	9774.4	8568.6	7443.5	6426.1	5490.7	4653.6	3901.3	3241.2	2644.7	2120.3	1655.0
-37.5°	9193.8	8109.3	7109.7	6135.2	5241.8	4460.5	3756.2	3119.3	2537.3	2045.8	1603.7
-40°	8653.1	7637.0	6709.4	5827.1	4994.0	4243.7	3593.0	2991.0	2436.6	1963.1	1546.4
-42.5°	8075.5	7163.7	6300.6	5474.8	4731.5	4043.6	3415.1	2850.6	2336.9	1884.7	1483.0
-45°	7522.0	6671.0	5872.9	5143.1	4452.2	3825.0	3246.3	2702.0	2225.2	1805.2	1418.3
-47.5°	6945.9	6180.6	5458.2	4787.6	4188.7	3598.1	3064.9	2561.9	2101.9	1719.1	1353.5
-50°	6388.6	5694.5	5046.2	4450.6	3894.0	3385.1	2876.0	2407.8	1991.3	1622.7	1282.4
-52.5°	5826.8	5222.1	4646.4	4107.6	3620.3	3159.4	2686.5	2243.5	1871.0	1525.3	1205.0
-55°	5279.4	4767.4	4251.5	3779.1	3338.9	2920.7	2482.0	2095.5	1741.6	1423.7	1123.4
-57.5°	4768.5	4313.8	3874.7	3451.9	3049.8	2662.5	2288.5	1937.3	1613.2	1315.3	1050.8
-60°	4264.2	3887.4	3498.5	3120.0	2752.4	2414.2	2097.7	1774.3	1480.0	1204.6	971.3
-62.5°	3800.7	3460.6	3125.5	2781.1	2469.2	2180.1	1899.9	1613.1	1339.6	1104.2	886.6
-65°	3349.0	3049.9	2747.2	2470.3	2200.0	1943.7	1704.7	1444.3	1211.8	998.9	804.0
-67.5°	2907.8	2659.1	2412.0	2164.3	1939.1	1719.7	1500.7	1288.1	1083.4	889.0	733.0
-70°	2508.4	2287.6	2084.8	1887.8	1689.0	1494.7	1318.5	1134.3	950.0	800.9	659.3
-72.5°	2127.9	1955.4	1784.7	1613.4	1454.3	1295.5	1137.4	982.8	843.8	710.5	583.1
-75°	1770.7	1637.2	1506.7	1372.9	1232.5	1094.5	976.0	857.8	735.2	617.4	518.9
-77.5°	1459.9	1350.0	1240.6	1138.9	1032.3	928.9	828.9	729.7	630.4	541.9	458.0
-80°	1170.5	1090.8	1011.1	930.3	844.0	760.7	690.5	619.8	541.6	466.8	395.5
-82.5°	905.6	851.4	798.9	745.2	686.7	628.8	571.6	514.5	451.0	390.1	343.2
-85°	712.0	670.3	628.0	585.1	540.1	495.7	462.9	429.6	390.2	351.1	312.5
-87.5°	576.8	550.0	523.0	495.7	467.4	438.9	410.3	381.5	347.9	314.5	281.2
-90°	10.3	10.8	11.2	11.6	11.6	11.6	11.6	11.6	12.0	12.4	12.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	221.8	183.7	145.7	107.6	69.5	40.6	11.6
87.5°	20.9	20.3	19.4	18.2	16.8	14.7	11.6
85°	28.6	27.4	25.6	23.2	20.4	17.0	11.6
82.5°	36.4	34.5	31.7	28.3	24.0	19.3	11.6
80°	45.0	41.6	37.9	33.3	27.7	21.6	11.6
77.5°	59.9	51.5	44.1	38.3	31.3	23.9	11.6
75°	75.2	66.8	51.8	43.2	35.0	26.2	11.6
72.5°	90.8	82.3	66.1	48.2	38.6	28.5	11.6
70°	108.1	98.0	80.6	54.5	42.3	30.7	11.6
67.5°	134.5	114.0	95.1	66.7	46.1	33.0	11.6
65°	161.7	135.0	109.8	78.9	49.8	35.2	11.6
62.5°	189.7	161.0	124.6	91.1	53.6	37.4	11.6
60°	218.4	187.4	139.4	103.2	57.4	39.6	11.6
57.5°	258.0	214.2	162.1	115.3	66.2	41.7	11.6
55°	299.6	241.4	185.3	127.3	75.0	43.9	11.6
52.5°	342.0	270.6	208.5	139.2	83.6	46.0	11.6
50°	385.2	307.7	231.7	151.1	92.1	48.0	11.6
47.5°	430.5	345.1	255.0	164.4	100.4	50.0	11.6
45°	484.6	382.5	278.2	181.9	108.5	52.0	11.6
42.5°	539.2	420.1	301.4	199.2	116.4	54.0	11.6
40°	594.1	457.6	327.8	216.3	124.1	55.9	11.6
37.5°	649.1	495.1	356.9	232.9	131.6	57.7	11.6
35°	704.1	537.0	385.6	249.0	138.9	59.5	11.6
32.5°	762.0	580.7	413.7	264.6	145.8	61.2	11.6
30°	826.4	623.6	441.2	279.5	152.6	62.9	11.6
27.5°	890.1	665.7	466.2	293.7	159.0	64.5	11.6
25°	952.7	706.6	489.8	307.2	165.1	66.0	11.6
22.5°	1014.0	744.5	512.2	320.0	170.9	67.5	11.6
20°	1073.6	776.0	533.3	332.0	176.3	68.8	11.6
17.5°	1120.4	805.1	553.0	343.2	181.4	70.1	11.6
15°	1156.8	831.7	571.2	353.6	186.1	71.3	11.6
12.5°	1188.9	855.9	587.8	363.1	190.4	72.4	11.6
10°	1216.8	877.5	602.9	371.6	194.3	73.4	11.6
7.5°	1240.5	896.4	616.3	379.1	197.7	74.2	11.6
5°	1260.0	912.7	627.9	385.7	200.7	75.0	11.6
2.5°	1275.3	926.2	637.7	391.2	203.2	75.7	11.6
0°	1286.4	937.0	645.7	395.7	205.3	76.2	11.6
-2.5°	1317.3	954.5	656.2	401.7	208.5	77.7	11.6
-5°	1343.7	969.0	664.8	406.5	211.1	79.1	11.6
-7.5°	1365.2	980.3	671.2	410.2	213.3	80.3	11.6
-10°	1381.4	988.4	675.5	412.7	214.9	81.4	11.6
-12.5°	1391.9	993.0	677.6	414.0	216.0	82.3	11.6
-15°	1396.4	994.1	677.3	414.0	216.5	83.1	11.6
-17.5°	1394.6	991.6	674.7	412.8	216.6	83.8	11.6
-20°	1386.9	985.2	669.8	410.3	216.1	84.3	11.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1374.7	975.1	662.3	406.4	215.0	84.7	11.6
-25°	1357.1	965.0	652.5	401.3	213.5	84.9	11.6
-27.5°	1334.2	952.7	640.1	394.8	211.4	85.0	11.6
-30°	1305.8	936.1	625.7	387.1	208.7	84.9	11.6
-32.5°	1272.2	915.4	612.5	378.0	205.5	84.6	11.6
-35°	1240.8	890.5	596.7	367.6	201.8	84.2	11.6
-37.5°	1207.2	863.9	578.2	355.9	197.6	83.7	11.6
-40°	1168.2	838.2	557.2	343.0	192.9	82.9	11.6
-42.5°	1123.8	809.0	537.6	329.5	187.6	82.1	11.6
-45°	1074.1	776.3	520.0	316.3	181.9	81.0	11.6
-47.5°	1019.2	740.1	500.4	301.7	175.6	79.9	11.6
-50°	969.4	700.7	478.7	291.4	168.9	78.5	11.6
-52.5°	917.0	658.0	455.0	281.8	161.8	77.1	11.6
-55°	860.5	622.8	429.4	271.1	154.2	75.5	11.6
-57.5°	800.1	587.2	401.9	259.4	146.1	73.7	11.6
-60°	737.9	549.0	373.3	246.7	137.7	71.8	11.6
-62.5°	687.1	508.6	353.5	233.1	133.4	69.8	11.6
-65°	633.5	466.0	332.2	218.6	128.8	67.7	11.6
-67.5°	577.1	428.2	309.7	203.3	123.8	65.4	11.6
-70°	518.3	395.6	285.9	187.2	118.6	63.0	11.6
-72.5°	471.5	361.5	261.0	177.2	113.2	60.5	11.6
-75°	424.9	325.9	235.1	168.3	107.5	57.9	11.6
-77.5°	376.7	289.0	219.4	159.0	101.6	55.2	11.6
-80°	326.9	263.6	205.5	149.4	95.5	52.5	11.6
-82.5°	299.2	244.5	191.1	139.4	89.3	49.6	11.6
-85°	274.0	224.7	176.4	129.0	82.8	46.6	11.6
-87.5°	248.2	204.4	161.2	118.4	76.2	43.6	11.6
-90°	13.2	13.2	13.2	13.2	13.2	12.4	11.6

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

