

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: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-7F-VHE**

Issue Date: 11/16/2023

Test Information

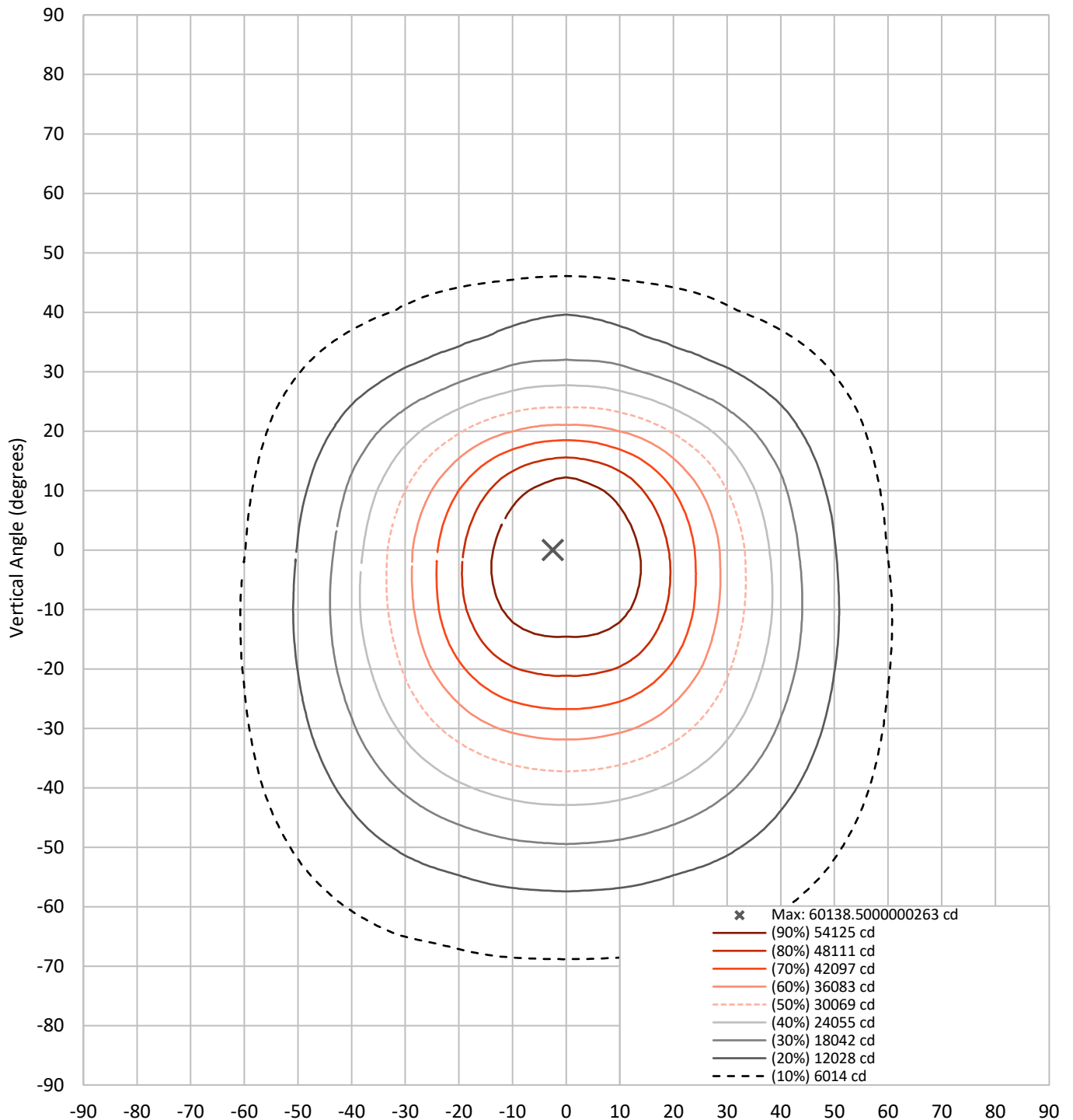
Test Method: LM-79-08
Report Number: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-80-7F-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 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:	80006.3 lumens	Max Intensity:	60138.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	114.8 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:	43439.5 lumens	Field Lumens:	74973.2 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
Input Watts (W):	697.2		
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		

REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

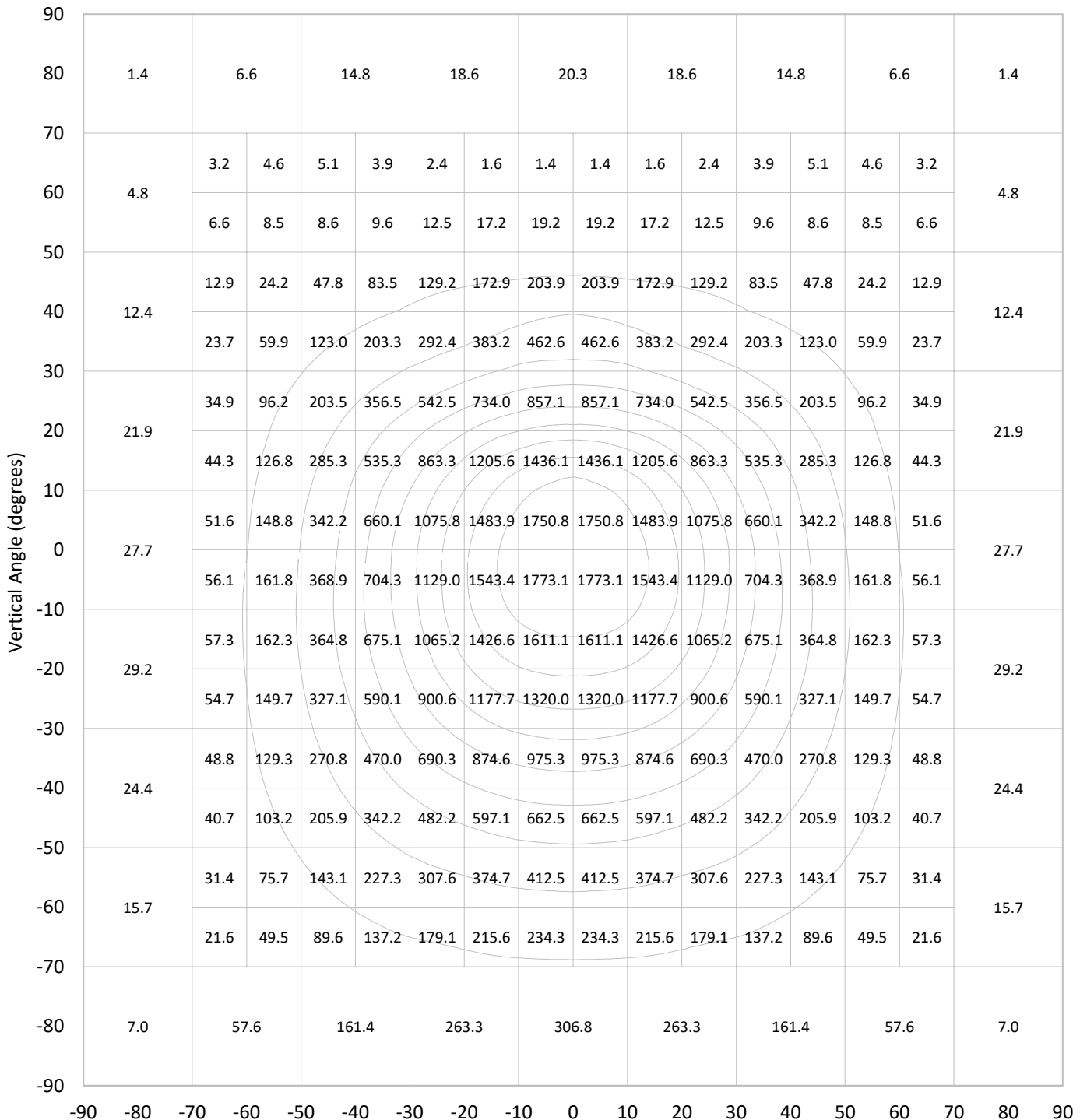
Iso-Candela Plot





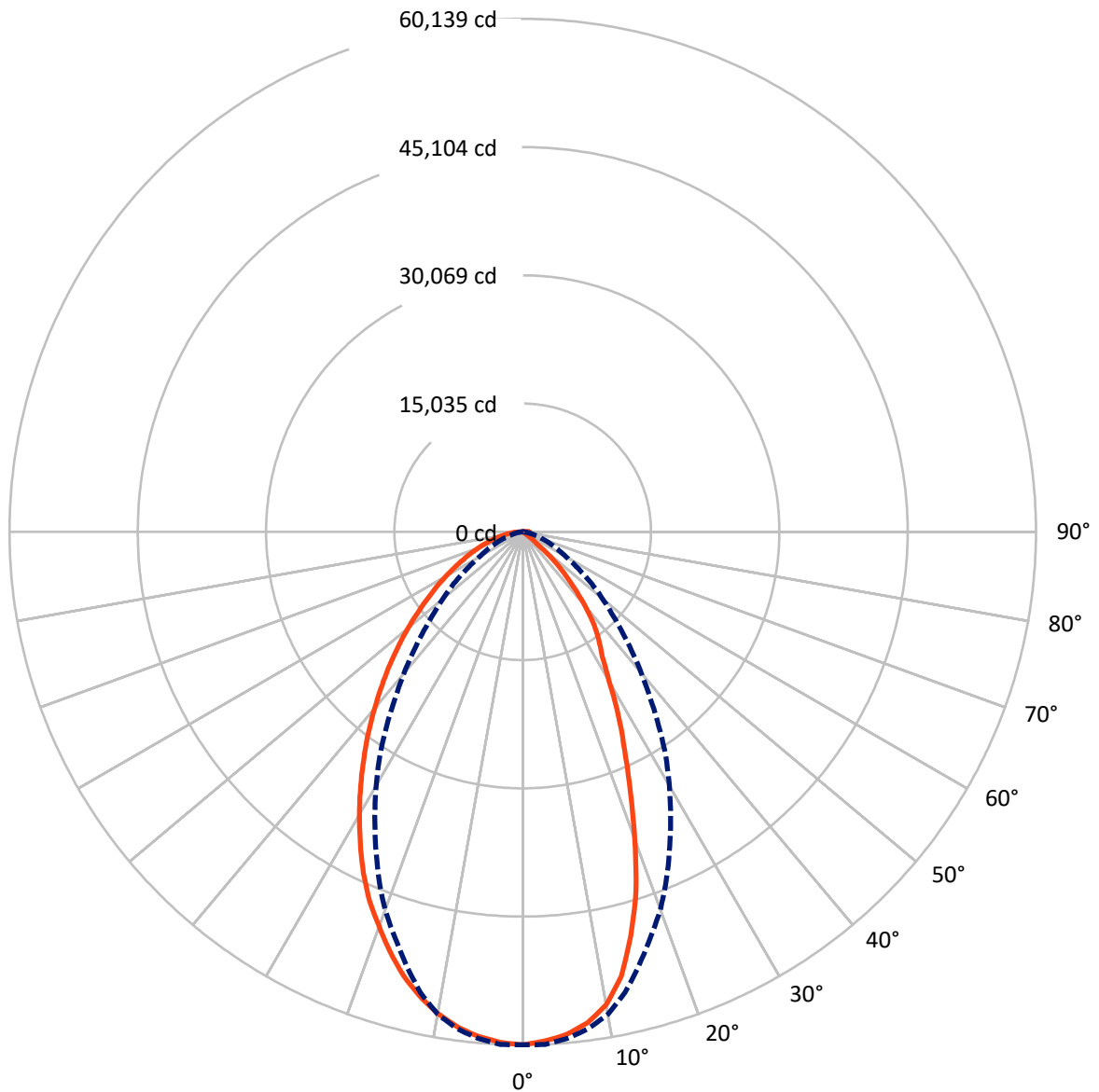
REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

Lumen Table



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

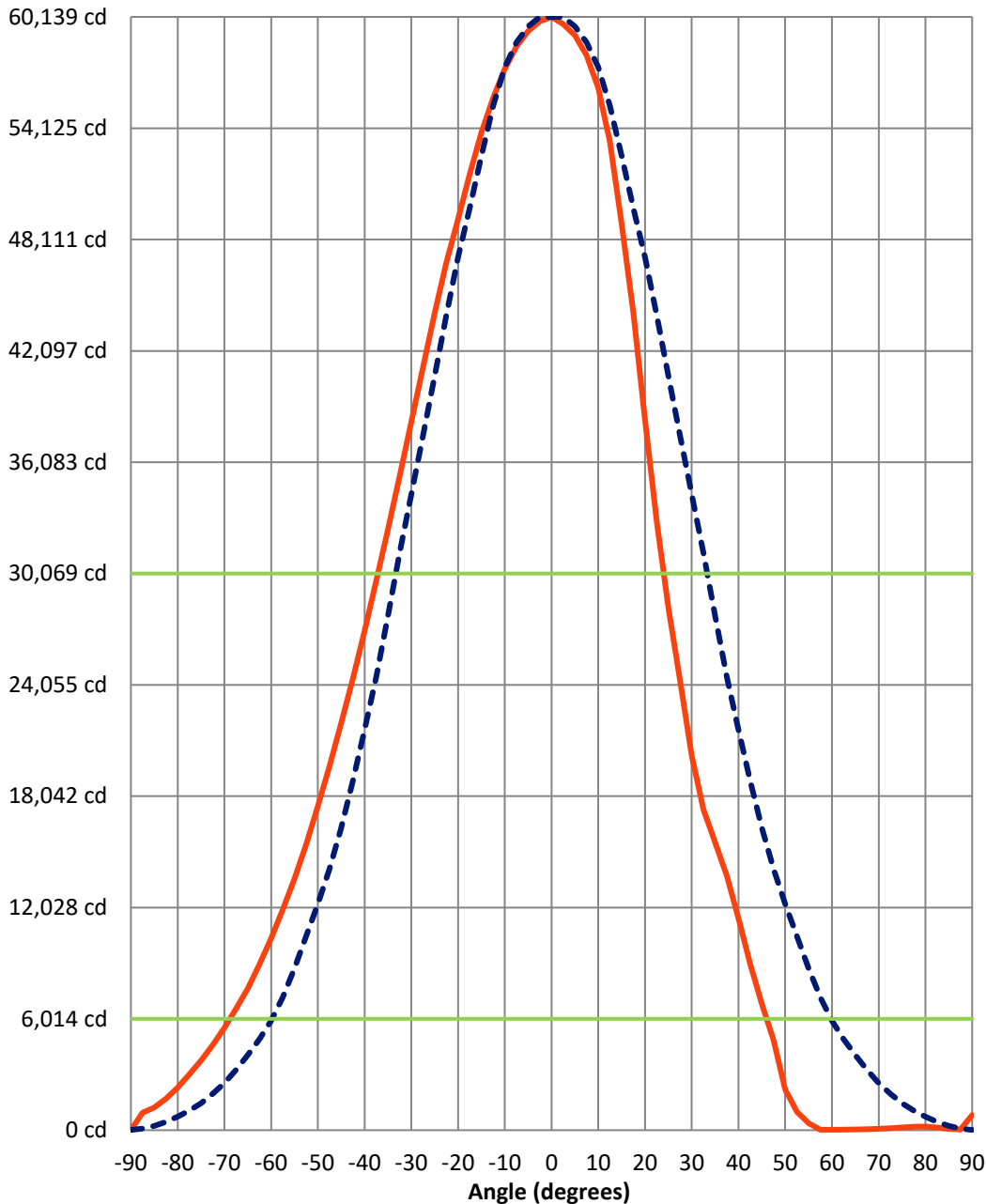
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

Luminous Intensity Plot



Beam:
 H Angle: 66.6°
 V Angle: 61.2°
 Lumens: 43439.5
 Efficiency: 54.3%

Field:
 H Angle: 119.6°
 V Angle: 114.9°
 Lumens: 74973.2
 Efficiency: 93.7%

Spill:
 Lumens: 5033.1
 Efficiency: 6.3%

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



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	13.1	45.9	78.6	121.6	164.7	207.7	250.7	282.0	313.4	344.7	376.0
87.5°	13.1	16.7	19.1	20.7	22.0	23.0	23.7	23.7	23.3	22.7	21.8
85°	13.1	19.3	23.1	26.3	28.9	31.0	32.4	32.8	32.6	31.9	30.6
82.5°	13.1	21.9	27.2	32.0	35.9	39.0	41.1	42.0	42.8	45.9	48.4
80°	13.1	24.5	31.3	37.6	42.9	47.0	50.9	57.4	63.0	67.7	71.5
77.5°	13.1	27.0	35.4	43.3	49.9	58.2	67.7	75.8	83.2	89.5	92.4
75°	13.1	29.6	39.5	48.9	58.5	75.5	84.9	94.2	103.9	110.2	107.1
72.5°	13.1	32.2	43.7	54.5	74.7	93.0	102.6	115.0	128.9	131.8	123.7
70°	13.1	34.7	47.9	61.6	91.1	110.8	122.1	142.8	155.1	155.3	158.8
67.5°	13.1	37.3	52.1	75.4	107.5	128.8	152.0	171.5	183.1	199.0	200.3
65°	13.1	39.8	56.3	89.2	124.1	152.5	182.7	201.3	228.9	244.6	248.0
62.5°	13.1	42.3	60.6	102.9	140.7	181.9	214.3	242.4	276.1	295.1	307.7
60°	13.1	44.7	64.9	116.6	157.5	211.7	246.8	288.9	324.9	358.8	371.2
57.5°	13.1	47.2	74.9	130.2	183.2	242.0	291.5	337.1	386.5	425.6	445.4
55°	13.1	49.6	84.7	143.8	209.3	272.8	338.5	388.7	453.0	498.2	528.4
52.5°	13.1	51.9	94.5	157.3	235.5	305.7	386.4	453.6	521.6	584.4	617.6
50°	13.1	54.3	104.0	170.8	261.8	347.7	435.2	521.5	596.7	675.2	729.8
47.5°	13.1	56.6	113.4	185.7	288.1	389.9	486.4	590.9	684.3	770.7	853.7
45°	13.1	58.8	122.6	205.6	314.4	432.2	547.6	661.6	779.0	893.9	987.6
42.5°	13.1	61.0	131.5	225.1	340.5	474.6	609.3	741.6	876.8	1024.5	1167.6
40°	13.1	63.1	140.2	244.4	370.3	517.1	671.3	828.7	983.3	1161.3	1367.7
37.5°	13.1	65.2	148.7	263.2	403.2	559.4	733.4	916.9	1102.3	1307.7	1582.0
35°	13.1	67.3	156.9	281.4	435.7	606.7	795.6	1006.0	1220.2	1478.1	1821.0
32.5°	13.1	69.2	164.8	298.9	467.4	656.1	861.0	1095.8	1336.9	1641.7	2031.5
30°	13.1	71.1	172.4	315.7	498.5	704.6	933.8	1187.6	1451.8	1798.0	2228.8
27.5°	13.1	72.9	179.7	331.8	526.7	752.2	1005.8	1283.4	1571.9	1946.8	2412.8
25°	13.1	74.6	186.6	347.1	553.5	798.5	1076.5	1376.6	1698.5	2098.7	2584.1
22.5°	13.1	76.3	193.1	361.6	578.8	841.3	1145.8	1466.9	1818.2	2245.3	2764.2
20°	13.1	77.8	199.2	375.2	602.6	876.8	1213.1	1554.1	1930.9	2380.4	2934.0
17.5°	13.1	79.2	205.0	387.8	624.8	909.7	1265.9	1637.7	2036.4	2504.1	3093.0
15°	13.1	80.6	210.3	399.5	645.4	939.8	1307.1	1707.9	2134.6	2616.4	3240.5
12.5°	13.1	81.8	215.1	410.2	664.2	967.1	1343.4	1762.8	2221.2	2717.6	3375.8
10°	13.1	82.9	219.5	419.8	681.2	991.5	1374.9	1813.7	2298.8	2836.5	3513.6
7.5°	13.1	83.9	223.4	428.4	696.4	1012.9	1401.6	1860.2	2370.9	2954.2	3670.6
5°	13.1	84.8	226.8	435.8	709.5	1031.3	1423.6	1901.5	2436.3	3065.2	3814.2
2.5°	13.1	85.5	229.7	442.1	720.6	1046.6	1440.9	1937.0	2494.4	3167.4	3943.5
0°	13.1	86.1	232.0	447.1	729.6	1058.8	1453.5	1966.1	2544.1	3258.7	4057.5
-2.5°	13.1	87.8	235.6	453.9	741.5	1078.5	1488.5	2014.4	2606.2	3322.8	4129.6
-5°	13.1	89.3	238.6	459.3	751.2	1094.9	1518.3	2055.2	2658.6	3374.1	4185.2
-7.5°	13.1	90.7	241.0	463.5	758.5	1107.7	1542.6	2088.1	2700.9	3412.8	4224.1
-10°	13.1	92.0	242.8	466.3	763.3	1116.8	1560.9	2112.7	2732.7	3439.0	4246.1
-12.5°	13.1	93.0	244.1	467.8	765.6	1122.1	1572.8	2128.7	2753.7	3453.8	4263.5
-15°	13.1	94.0	244.7	467.8	765.4	1123.3	1577.9	2135.7	2760.8	3459.9	4267.7
-17.5°	13.1	94.7	244.7	466.4	762.4	1120.4	1575.8	2130.7	2752.9	3450.8	4251.8
-20°	13.1	95.3	244.2	463.6	756.8	1113.2	1567.1	2115.0	2732.7	3426.2	4215.5



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	13.1	95.7	243.0	459.2	748.4	1101.8	1553.3	2090.9	2700.1	3385.7	4158.5
-25°	13.1	96.0	241.2	453.4	737.2	1090.4	1533.5	2058.3	2654.9	3329.2	4080.3
-27.5°	13.1	96.0	238.8	446.1	723.3	1076.4	1507.5	2017.4	2596.9	3260.8	4003.6
-30°	13.1	95.9	235.9	437.4	706.9	1057.8	1475.5	1968.1	2535.9	3185.4	3908.8
-32.5°	13.1	95.6	232.3	427.1	692.1	1034.4	1437.5	1921.0	2470.6	3094.5	3795.0
-35°	13.1	95.2	228.1	415.4	674.2	1006.3	1402.0	1870.1	2395.8	2988.3	3662.4
-37.5°	13.1	94.6	223.3	402.2	653.4	976.2	1364.1	1812.1	2311.7	2867.0	3524.7
-40°	13.1	93.7	217.9	387.5	629.6	947.1	1320.0	1747.3	2218.2	2753.3	3379.7
-42.5°	13.1	92.8	212.0	372.4	607.5	914.1	1269.8	1675.8	2129.6	2640.6	3221.0
-45°	13.1	91.6	205.5	357.4	587.6	877.1	1213.7	1602.6	2039.8	2514.4	3053.1
-47.5°	13.1	90.3	198.5	340.9	565.4	836.3	1151.7	1529.4	1942.5	2375.1	2894.9
-50°	13.1	88.8	190.9	329.3	540.8	791.7	1095.3	1449.0	1833.6	2250.1	2720.7
-52.5°	13.1	87.1	182.8	318.4	514.1	743.5	1036.1	1361.6	1723.5	2114.2	2535.0
-55°	13.1	85.3	174.2	306.3	485.2	703.7	972.3	1269.4	1608.6	1967.8	2367.8
-57.5°	13.1	83.3	165.2	293.1	454.2	663.4	904.1	1187.3	1486.2	1822.8	2189.0
-60°	13.1	81.2	155.7	278.8	421.8	620.4	833.8	1097.4	1361.1	1672.3	2004.8
-62.5°	13.1	78.9	150.8	263.5	399.4	574.7	776.4	1001.8	1247.7	1513.7	1822.7
-65°	13.1	76.5	145.5	247.1	375.4	526.5	715.8	908.4	1128.7	1369.2	1632.0
-67.5°	13.1	73.9	140.0	229.8	350.0	483.9	652.1	828.2	1004.5	1224.1	1455.5
-70°	13.1	71.2	134.1	211.6	323.1	447.1	585.7	745.0	905.0	1073.4	1281.7
-72.5°	13.1	68.4	128.0	200.3	295.0	408.5	532.8	658.9	802.8	953.5	1110.5
-75°	13.1	65.5	121.6	190.2	265.7	368.2	480.2	586.4	697.7	830.7	969.3
-77.5°	13.1	62.4	114.9	179.7	247.9	326.5	425.6	517.5	612.4	712.3	824.5
-80°	13.1	59.3	108.0	168.8	232.3	298.0	369.4	447.0	527.4	612.0	700.4
-82.5°	13.1	56.1	100.9	157.5	216.0	276.3	338.2	387.8	440.8	509.6	581.4
-85°	13.1	52.7	93.6	145.9	199.3	253.9	309.7	353.1	396.8	440.9	485.5
-87.5°	13.1	49.3	86.2	133.9	182.2	231.0	280.5	317.8	355.3	393.1	431.1
-90°	13.1	14.1	15.0	15.0	15.0	15.0	15.0	14.5	14.1	13.6	13.1



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	403.6	431.2	458.8	486.4	513.5	540.7	567.8	594.9	620.2	645.4	670.7
87.5°	22.4	22.9	23.4	23.8	22.9	21.8	20.5	19.1	20.7	22.4	24.3
85°	31.7	32.7	35.5	37.6	39.0	41.0	43.5	46.4	51.9	57.4	62.8
82.5°	52.7	56.2	58.7	60.3	65.5	71.9	78.8	85.2	91.4	97.3	102.9
80°	76.1	79.8	80.5	81.4	88.3	96.8	105.7	115.0	122.6	129.4	135.9
77.5°	93.2	95.3	97.8	100.6	109.5	121.8	134.1	146.4	155.6	162.9	169.6
75°	106.7	110.6	119.5	125.0	135.0	149.3	163.7	177.6	186.7	191.8	195.1
72.5°	128.6	141.5	149.4	152.4	162.1	179.0	194.2	207.8	214.8	213.8	209.4
70°	162.3	174.2	184.6	188.4	192.6	209.1	221.5	231.2	235.5	226.9	210.1
67.5°	198.6	217.0	226.4	227.0	221.1	235.4	246.5	245.1	237.6	219.1	197.1
65°	245.2	262.8	271.2	267.8	251.9	255.1	254.3	247.7	230.6	205.2	178.7
62.5°	297.5	313.2	319.9	311.1	282.0	269.5	262.3	245.3	219.2	194.3	169.3
60°	364.0	367.5	371.8	355.8	319.3	284.8	271.3	254.3	226.4	192.2	171.6
57.5°	438.6	426.5	428.5	410.6	368.6	307.1	301.1	279.3	255.7	210.7	189.6
55°	524.5	491.6	496.8	480.6	442.0	373.2	349.9	346.8	313.7	278.3	239.3
52.5°	627.7	583.0	582.0	579.4	558.5	499.3	445.7	482.9	503.8	464.2	489.4
50°	743.6	721.3	687.8	726.8	739.2	707.8	660.7	764.6	889.8	947.1	945.6
47.5°	897.5	884.4	855.4	926.0	1014.2	1094.9	1114.4	1302.1	1491.7	1701.2	1726.1
45°	1078.8	1112.1	1095.6	1245.5	1434.4	1651.7	1813.1	1995.2	2426.7	2677.0	3047.8
42.5°	1280.0	1377.2	1465.8	1607.4	2052.9	2329.5	2573.0	3030.0	3459.2	3822.2	4205.3
40°	1539.0	1666.9	1860.4	2245.5	2725.7	3045.9	3465.1	3985.9	4420.6	4830.4	5222.7
37.5°	1819.8	2033.4	2295.5	2847.5	3394.0	3795.1	4308.4	4825.0	5319.1	5778.9	6327.4
35°	2116.6	2401.2	2813.9	3390.6	3964.2	4522.9	5087.7	5663.1	6227.1	6857.2	7473.9
32.5°	2439.7	2769.4	3290.3	3902.7	4544.7	5193.8	5850.1	6521.8	7238.6	7973.2	8627.5
30°	2731.2	3179.7	3734.0	4398.2	5122.8	5868.3	6634.1	7407.1	8287.2	9156.8	9941.7
27.5°	2953.9	3555.3	4174.5	4908.7	5702.5	6533.8	7421.1	8379.0	9403.7	10400.4	11332.2
25°	3167.5	3844.4	4596.9	5418.9	6300.7	7235.4	8228.0	9300.3	10557.8	11725.7	12887.9
22.5°	3391.3	4135.7	4947.6	5916.0	6883.0	7946.9	9048.2	10282.3	11671.9	13052.5	14465.0
20°	3629.4	4437.2	5293.9	6315.1	7427.9	8647.7	9820.1	11256.5	12802.3	14406.7	16129.6
17.5°	3861.5	4714.2	5629.5	6705.8	7911.9	9278.2	10564.4	12199.5	13912.4	15747.5	17696.2
15°	4085.2	4966.7	5935.6	7065.1	8380.1	9830.6	11334.8	13126.4	15042.1	17068.1	19114.5
12.5°	4297.8	5194.7	6211.5	7391.3	8817.3	10367.3	12024.3	13908.6	16006.9	18246.2	20476.9
10°	4496.6	5398.2	6456.7	7682.7	9218.3	10879.1	12638.1	14607.8	16789.5	19096.8	21584.7
7.5°	4647.2	5567.2	6672.8	7937.8	9577.7	11356.0	13175.2	15220.5	17450.9	19854.0	22528.5
5°	4762.6	5704.5	6872.8	8232.2	9923.1	11750.7	13617.0	15742.9	17993.0	20505.5	23343.3
2.5°	4850.3	5820.5	7044.1	8505.8	10232.3	12019.5	13905.2	16085.7	18480.8	21113.9	24005.6
0°	4914.3	5913.2	7183.4	8739.8	10483.3	12217.4	14118.0	16334.7	18877.0	21628.8	24494.6
-2.5°	5023.0	6077.6	7378.1	8925.2	10639.9	12411.1	14392.1	16681.4	19252.8	21953.6	24916.3
-5°	5109.9	6212.9	7535.5	9064.6	10741.9	12537.9	14581.0	16922.5	19498.8	22172.3	25134.0
-7.5°	5172.9	6315.3	7653.7	9157.2	10810.0	12640.3	14713.0	17042.6	19590.9	22302.9	25168.1
-10°	5210.1	6363.7	7690.9	9184.6	10846.7	12695.5	14763.6	17060.2	19563.4	22272.1	25074.8
-12.5°	5224.2	6362.6	7679.4	9162.3	10818.5	12669.2	14723.5	16976.9	19419.1	22074.3	24837.1
-15°	5214.9	6330.0	7626.0	9089.5	10723.3	12558.2	14591.7	16794.8	19151.4	21671.1	24356.1
-17.5°	5182.2	6265.7	7530.0	8966.0	10559.4	12360.1	14356.9	16458.2	18766.7	21205.6	23745.1
-20°	5126.2	6169.7	7391.1	8791.7	10335.8	12100.1	14025.1	16059.2	18276.8	20650.0	23060.4



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5046.9	6042.1	7228.8	8595.3	10121.2	11804.6	13628.9	15579.3	17652.5	19987.1	22284.3
-25°	4955.8	5929.5	7058.9	8381.4	9850.1	11458.4	13165.1	15030.0	16986.7	19171.7	21395.2
-27.5°	4852.0	5792.6	6878.0	8124.9	9517.3	11073.6	12705.4	14455.9	16308.8	18273.4	20405.4
-30°	4723.6	5637.0	6661.3	7844.2	9180.2	10654.7	12223.8	13806.2	15561.4	17413.6	19367.9
-32.5°	4571.3	5449.1	6445.1	7571.6	8813.3	10169.9	11661.8	13166.5	14785.9	16500.2	18311.3
-35°	4408.3	5258.3	6204.2	7261.2	8410.8	9682.1	11044.6	12476.0	13965.3	15576.2	17169.3
-37.5°	4244.4	5040.1	5922.9	6932.4	8033.6	9163.2	10388.5	11750.2	13145.9	14570.2	16033.3
-40°	4059.9	4795.1	5643.0	6584.3	7581.3	8629.4	9777.6	10993.0	12290.5	13575.5	14886.9
-42.5°	3858.9	4569.1	5346.4	6186.3	7119.3	8094.6	9124.9	10262.3	11393.2	12560.2	13771.1
-45°	3668.2	4322.1	5030.7	5811.4	6636.1	7537.9	8499.5	9493.7	10511.7	11543.0	12645.4
-47.5°	3463.2	4065.7	4733.0	5409.7	6167.5	6983.8	7848.5	8743.1	9624.8	10570.5	11512.6
-50°	3249.8	3825.0	4400.0	5028.9	5702.0	6434.5	7218.8	7990.2	8796.6	9615.3	10464.6
-52.5°	3035.6	3569.9	4090.8	4641.3	5250.1	5900.7	6584.0	7273.3	7989.8	8710.6	9438.5
-55°	2804.5	3300.2	3772.8	4270.1	4804.0	5386.9	5965.4	6585.5	7206.6	7866.1	8464.2
-57.5°	2585.8	3008.5	3446.1	3900.4	4378.2	4874.4	5388.1	5906.9	6472.2	7041.0	7553.4
-60°	2370.3	2728.0	3110.0	3525.5	3953.1	4392.5	4818.3	5281.4	5759.6	6225.3	6694.2
-62.5°	2146.7	2463.4	2790.1	3142.5	3531.7	3910.3	4294.6	4684.8	5074.3	5487.6	5884.0
-65°	1926.1	2196.2	2485.9	2791.3	3104.2	3446.2	3784.1	4113.6	4461.6	4799.8	5128.2
-67.5°	1695.8	1943.1	2191.1	2445.6	2725.4	3004.7	3285.7	3588.4	3882.2	4158.6	4437.0
-70°	1489.8	1689.0	1908.5	2133.1	2355.7	2584.8	2834.3	3084.5	3330.1	3565.6	3806.6
-72.5°	1285.2	1463.9	1643.3	1823.1	2016.7	2209.5	2404.4	2600.7	2806.0	3011.5	3211.3
-75°	1102.8	1236.8	1392.7	1551.4	1702.5	1850.0	2000.7	2167.6	2331.8	2493.0	2652.7
-77.5°	936.6	1049.6	1166.5	1286.9	1401.9	1525.5	1649.7	1774.0	1896.5	2016.4	2133.8
-80°	780.3	859.6	953.6	1051.2	1142.5	1232.6	1322.7	1412.5	1503.2	1598.1	1696.1
-82.5°	645.9	710.6	776.0	842.0	902.7	962.0	1023.3	1093.5	1165.2	1236.5	1306.9
-85°	523.0	560.1	610.3	661.1	709.6	757.4	804.5	850.9	898.7	945.7	992.0
-87.5°	463.6	496.0	528.1	560.2	591.0	621.5	651.8	681.9	712.6	743.2	773.8
-90°	13.1	13.1	13.1	13.1	12.6	12.2	11.7	11.2	10.8	10.3	9.9



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	695.9	703.9	711.8	719.8	727.7	746.4	765.1	783.8	802.5	806.7	811.0
87.5°	26.2	26.2	26.2	26.2	26.2	30.3	34.7	39.1	43.5	43.1	42.5
85°	68.0	69.0	69.5	69.5	69.2	75.0	80.8	86.4	91.9	88.1	83.9
82.5°	108.3	110.3	112.1	114.1	116.2	122.1	128.1	133.6	138.8	140.6	142.2
80°	141.8	145.5	148.2	150.4	152.0	157.1	162.6	167.8	172.8	178.1	183.4
77.5°	174.3	175.5	174.8	173.1	170.4	171.2	172.3	172.9	173.0	175.8	178.9
75°	196.8	194.2	186.5	177.6	167.7	161.6	157.1	152.4	147.5	146.6	147.0
72.5°	201.8	191.5	178.9	163.2	147.6	136.9	129.6	122.6	115.9	112.6	110.7
70°	191.1	171.5	154.4	137.5	121.1	108.9	101.6	95.0	89.0	85.1	82.3
67.5°	172.0	147.8	129.9	112.5	96.5	83.9	77.5	71.7	66.4	62.5	59.6
65°	152.8	127.0	109.7	93.0	76.8	64.3	59.5	54.7	50.0	46.5	44.6
62.5°	142.1	115.0	97.0	82.5	67.8	53.4	48.4	43.5	38.6	34.8	33.1
60°	145.8	115.1	93.3	79.8	64.7	48.1	41.8	37.3	32.3	27.7	26.1
57.5°	168.7	135.2	102.6	97.3	82.0	57.5	59.8	69.6	62.3	42.9	40.7
55°	258.1	249.7	163.4	211.5	246.0	231.8	216.5	286.6	320.7	322.5	354.2
52.5°	512.8	573.3	550.8	577.0	719.3	776.9	769.3	894.6	959.5	950.7	984.6
50°	1079.7	1203.6	1356.1	1380.7	1619.4	1784.8	1824.7	1969.8	2131.0	2192.6	2262.0
47.5°	2107.1	2397.5	2544.8	2710.9	2985.6	3286.5	3519.6	3728.5	3954.8	4109.5	4296.3
45°	3432.4	3637.5	3893.9	4279.7	4698.9	5091.7	5460.6	5796.8	6018.5	6216.2	6426.1
42.5°	4522.7	4850.3	5280.3	5855.7	6452.2	6855.4	7158.8	7482.8	7829.2	8158.5	8462.1
40°	5639.1	6018.8	6700.9	7353.0	7798.1	8187.2	8602.6	9042.3	9495.1	9927.1	10356.7
37.5°	6835.6	7396.7	7994.1	8564.0	9034.9	9403.0	9972.3	10459.3	10913.1	11556.4	12146.5
35°	8108.7	8718.6	9231.8	9883.7	10410.3	10864.2	11459.9	12073.3	12466.1	13348.6	14112.5
32.5°	9375.3	10086.1	10770.4	11389.5	12042.9	12742.9	13322.6	14164.1	14804.2	15648.3	16478.0
30°	10695.1	11669.5	12523.7	13203.1	14093.1	14998.1	15811.5	16802.4	17746.0	18531.6	19411.0
27.5°	12360.5	13443.9	14485.6	15532.5	16483.3	17613.4	18908.3	19956.4	21164.4	22020.9	22940.7
25°	14127.4	15418.0	16803.5	18153.0	19400.4	20862.3	22330.4	23611.0	24863.0	25849.9	26832.8
22.5°	16048.8	17609.4	19258.4	20957.2	22643.6	24245.2	25821.1	27405.8	28849.0	30205.5	31150.4
20°	18000.0	19733.2	21735.6	23782.5	25724.2	27532.1	29425.7	31429.7	33263.5	34835.5	35999.6
17.5°	19760.3	21934.2	24136.6	26382.4	28572.3	30806.5	33156.0	35512.9	37684.2	39525.2	41070.8
15°	21346.1	23809.1	26358.8	28892.6	31410.9	33983.2	36728.5	39268.0	41701.7	43813.1	45620.0
12.5°	22909.8	25540.5	28273.6	31114.6	34100.1	36885.4	39680.4	42418.7	44969.1	47423.5	49233.6
10°	24293.7	27134.3	30060.3	33104.7	36196.8	39218.5	42164.6	45019.2	47525.0	49842.4	52032.4
7.5°	25421.4	28467.8	31590.8	34792.8	37975.1	41035.0	44035.5	46888.1	49431.5	51806.4	54045.8
5°	26394.0	29625.0	32848.1	36039.1	39241.2	42414.9	45444.3	48257.0	50906.2	53374.2	55618.5
2.5°	27187.8	30556.8	33822.4	36965.3	40154.4	43403.1	46508.9	49226.3	51995.6	54505.6	56714.7
0°	27783.3	31184.2	34345.6	37516.4	40745.2	44030.1	47154.1	49816.1	52635.2	55317.8	57418.5
-2.5°	28109.1	31310.3	34457.0	37638.3	40964.4	44343.4	47463.1	50332.3	53135.2	55649.8	57602.9
-5°	28222.3	31371.3	34506.8	37745.4	41042.6	44368.6	47477.7	50354.4	53046.1	55398.1	57179.5
-7.5°	28146.3	31264.4	34368.4	37575.3	40851.6	44137.8	47196.9	49948.7	52540.8	54768.6	56468.4
-10°	27917.0	30936.6	34041.7	37195.8	40479.1	43723.5	46721.4	49203.9	51678.9	53768.9	55376.1
-12.5°	27538.1	30429.2	33491.5	36575.7	39797.1	42915.7	45709.3	48181.2	50392.6	52509.6	53916.4
-15°	27000.4	29787.9	32715.6	35735.7	38787.7	41804.7	44528.6	46917.7	48966.5	50636.5	52118.0
-17.5°	26326.2	29015.7	31821.2	34715.2	37549.3	40419.6	42943.9	45338.2	47308.9	48795.5	49945.2
-20°	25496.2	28106.3	30789.2	33552.2	36185.4	38626.6	41060.1	43286.4	45234.4	46688.0	47793.0



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	24620.1	27082.6	29624.4	32115.7	34513.7	36808.6	39012.5	41055.8	42908.0	44282.5	45339.9
-25°	23623.3	25926.2	28276.5	30526.4	32716.4	34853.1	36850.8	38744.1	40361.0	41698.0	42679.8
-27.5°	22531.6	24675.9	26797.2	28889.7	30921.6	32768.6	34606.7	36315.9	37737.9	38967.5	39836.8
-30°	21338.6	23299.7	25287.7	27249.3	29007.0	30670.8	32303.9	33787.5	35090.9	36170.5	36950.3
-32.5°	20080.5	21872.0	23716.0	25489.8	27031.2	28532.2	29956.3	31256.8	32452.0	33406.0	34109.2
-35°	18779.7	20439.5	22095.4	23629.0	25065.7	26401.0	27628.1	28780.8	29770.9	30640.6	31329.9
-37.5°	17500.3	18995.3	20432.4	21771.4	23098.9	24323.5	25395.3	26406.7	27306.9	28032.2	28636.6
-40°	16245.5	17568.8	18792.3	19984.2	21170.3	22207.0	23180.3	24052.5	24849.1	25542.1	26079.0
-42.5°	14998.1	16137.6	17193.8	18266.4	19291.9	20190.9	21038.3	21794.1	22485.3	23106.3	23626.9
-45°	13746.1	14720.8	15660.7	16603.8	17455.3	18256.0	18992.6	19656.6	20274.1	20797.1	21223.9
-47.5°	12467.5	13332.1	14185.9	15003.1	15709.6	16401.4	17035.6	17632.0	18188.5	18658.8	19035.9
-50°	11246.6	12010.8	12775.4	13450.9	14044.8	14621.0	15157.7	15733.5	16248.7	16677.1	16988.8
-52.5°	10100.4	10791.4	11448.6	12001.9	12503.9	12953.8	13366.1	13901.0	14385.9	14806.6	15083.0
-55°	9056.6	9647.9	10211.3	10668.4	11087.7	11462.9	11837.1	12267.0	12658.4	13008.5	13239.4
-57.5°	8074.0	8575.3	9044.0	9428.8	9778.5	10092.2	10439.7	10799.1	11120.1	11396.4	11582.4
-60°	7142.5	7569.2	7957.9	8274.5	8565.1	8829.2	9159.8	9473.5	9751.0	9976.3	10115.1
-62.5°	6263.7	6646.4	6948.7	7203.2	7435.4	7657.8	7946.8	8217.8	8468.1	8668.0	8784.2
-65°	5459.2	5794.3	6018.9	6220.4	6403.3	6603.7	6849.4	7069.9	7265.3	7413.8	7514.9
-67.5°	4725.6	4990.8	5167.9	5328.0	5484.7	5656.2	5864.7	6057.2	6233.1	6355.4	6431.0
-70°	4042.4	4246.8	4390.4	4526.6	4657.4	4804.5	4975.3	5134.3	5281.1	5376.1	5436.4
-72.5°	3405.0	3560.8	3679.5	3796.6	3902.2	4028.2	4167.5	4298.0	4419.2	4490.5	4536.4
-75°	2810.3	2929.7	3026.9	3116.9	3199.4	3305.4	3418.2	3524.1	3622.7	3677.2	3712.4
-77.5°	2258.8	2350.2	2423.4	2490.4	2551.2	2635.3	2722.1	2803.7	2879.7	2928.3	2967.2
-80°	1791.8	1847.1	1892.0	1933.9	1972.6	2035.4	2099.1	2159.2	2215.4	2247.1	2272.2
-82.5°	1376.3	1409.9	1436.7	1460.2	1480.4	1524.2	1567.8	1609.2	1648.1	1668.6	1686.0
-85°	1037.4	1055.5	1070.7	1084.2	1096.1	1126.6	1156.7	1185.7	1213.7	1219.6	1223.8
-87.5°	804.4	814.2	823.5	832.5	841.2	863.7	886.2	908.5	930.7	934.5	938.0
-90°	9.4	8.9	8.5	8.0	7.5	7.0	6.6	6.1	5.6	5.1	4.7



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	815.2	819.4	816.6	813.7	816.6	819.4	815.2	811.0	806.7	802.5	783.8
87.5°	41.8	41.1	41.2	41.2	41.2	41.1	41.8	42.5	43.1	43.5	39.1
85°	79.4	74.6	71.0	67.3	71.0	74.6	79.4	83.9	88.1	91.9	86.4
82.5°	143.7	145.1	144.7	144.0	144.7	145.1	143.7	142.2	140.6	138.8	133.6
80°	188.6	193.7	195.3	196.4	195.3	193.7	188.6	183.4	178.1	172.8	167.8
77.5°	182.1	185.2	186.2	187.1	186.2	185.2	182.1	178.9	175.8	173.0	172.9
75°	147.6	148.5	148.0	147.8	148.0	148.5	147.6	147.0	146.6	147.5	152.4
72.5°	109.0	107.7	106.9	106.6	106.9	107.7	109.0	110.7	112.6	115.9	122.6
70°	79.9	77.8	76.1	74.8	76.1	77.8	79.9	82.3	85.1	89.0	95.0
67.5°	57.2	55.2	53.6	52.4	53.6	55.2	57.2	59.6	62.5	66.4	71.7
65°	43.0	41.8	40.5	39.3	40.5	41.8	43.0	44.6	46.5	50.0	54.7
62.5°	31.7	30.5	30.0	29.9	30.0	30.5	31.7	33.1	34.8	38.6	43.5
60°	24.6	23.1	22.5	22.4	22.5	23.1	24.6	26.1	27.7	32.3	37.3
57.5°	36.8	31.5	28.3	26.2	28.3	31.5	36.8	40.7	42.9	62.3	69.6
55°	371.0	372.1	379.5	387.2	379.5	372.1	371.0	354.2	322.5	320.7	286.6
52.5°	1010.5	1007.2	998.1	980.2	998.1	1007.2	1010.5	984.6	950.7	959.5	894.6
50°	2303.6	2271.1	2200.6	2100.8	2200.6	2271.1	2303.6	2262.0	2192.6	2131.0	1969.8
47.5°	4547.7	4735.9	4866.0	4923.6	4866.0	4735.9	4547.7	4296.3	4109.5	3954.8	3728.5
45°	6644.6	6756.1	6821.3	6872.9	6821.3	6756.1	6644.6	6426.1	6216.2	6018.5	5796.8
42.5°	8720.6	8897.5	8984.6	8969.9	8984.6	8897.5	8720.6	8462.1	8158.5	7829.2	7482.8
40°	10769.5	11139.7	11443.6	11661.8	11443.6	11139.7	10769.5	10356.7	9927.1	9495.1	9042.3
37.5°	12730.1	13281.3	13746.9	14084.3	13746.9	13281.3	12730.1	12146.5	11556.4	10913.1	10459.3
35°	14737.5	15223.7	15542.7	15681.9	15542.7	15223.7	14737.5	14112.5	13348.6	12466.1	12073.3
32.5°	17007.1	17277.3	17334.5	17479.6	17334.5	17277.3	17007.1	16478.0	15648.3	14804.2	14164.1
30°	19946.5	20227.3	20234.1	20416.6	20234.1	20227.3	19946.5	19411.0	18531.6	17746.0	16802.4
27.5°	23665.7	24138.6	24292.1	24453.5	24292.1	24138.6	23665.7	22940.7	22020.9	21164.4	19956.4
25°	27648.3	28089.1	28230.3	28176.1	28230.3	28089.1	27648.3	26832.8	25849.9	24863.0	23611.0
22.5°	32118.5	32689.9	32897.8	32793.0	32897.8	32689.9	32118.5	31150.4	30205.5	28849.0	27405.8
20°	37121.6	37946.4	38382.3	38579.0	38382.3	37946.4	37121.6	35999.6	34835.5	33263.5	31429.7
17.5°	42387.6	43603.1	44161.2	44325.7	44161.2	43603.1	42387.6	41070.8	39525.2	37684.2	35512.9
15°	47178.4	48239.6	48963.3	49335.4	48963.3	48239.6	47178.4	45620.0	43813.1	41701.7	39268.0
12.5°	50882.6	52235.2	53362.6	53967.1	53362.6	52235.2	50882.6	49233.6	47423.5	44969.1	42418.7
10°	53902.1	55267.9	56293.0	56790.0	56293.0	55267.9	53902.1	52032.4	49842.4	47525.0	45019.2
7.5°	55991.3	57260.5	58056.4	58381.9	58056.4	57260.5	55991.3	54045.8	51806.4	49431.5	46888.1
5°	57341.6	58555.2	59143.5	59354.7	59143.5	58555.2	57341.6	55618.5	53374.2	50906.2	48257.0
2.5°	58313.9	59274.1	59745.2	59775.6	59745.2	59274.1	58313.9	56714.7	54505.6	51995.6	49226.3
0°	58758.0	59622.2	60138.5	60129.2	60138.5	59622.2	58758.0	57418.5	55317.8	52635.2	49816.1
-2.5°	58779.4	59531.3	59898.3	59691.4	59898.3	59531.3	58779.4	57602.9	55649.8	53135.2	50332.3
-5°	58360.2	59096.2	59371.2	59307.9	59371.2	59096.2	58360.2	57179.5	55398.1	53046.1	50354.4
-7.5°	57607.6	58260.6	58541.3	58550.3	58541.3	58260.6	57607.6	56468.4	54768.6	52540.8	49948.7
-10°	56459.8	57005.4	57326.9	57235.2	57326.9	57005.4	56459.8	55376.1	53768.9	51678.9	49203.9
-12.5°	54941.5	55480.0	55752.7	55697.5	55752.7	55480.0	54941.5	53916.4	52509.6	50392.6	48181.2
-15°	53125.3	53637.1	53892.6	53868.0	53892.6	53637.1	53125.3	52118.0	50636.5	48966.5	46917.7
-17.5°	50876.7	51389.7	51651.2	51686.8	51651.2	51389.7	50876.7	49945.2	48795.5	47308.9	45338.2
-20°	48520.2	48972.6	49212.2	49215.6	49212.2	48972.6	48520.2	47793.0	46688.0	45234.4	43286.4



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	46077.4	46585.5	46869.8	46826.8	46869.8	46585.5	46077.4	45339.9	44282.5	42908.0	41055.8
-25°	43354.7	43863.8	44140.3	44129.3	44140.3	43863.8	43354.7	42679.8	41698.0	40361.0	38744.1
-27.5°	40448.0	40937.3	41204.1	41237.2	41204.1	40937.3	40448.0	39836.8	38967.5	37737.9	36315.9
-30°	37520.1	38002.6	38263.9	38285.3	38263.9	38002.6	37520.1	36950.3	36170.5	35090.9	33787.5
-32.5°	34651.1	35086.8	35328.2	35353.9	35328.2	35086.8	34651.1	34109.2	33406.0	32452.0	31256.8
-35°	31852.1	32234.8	32451.4	32521.7	32451.4	32234.8	31852.1	31329.9	30640.6	29770.9	28780.8
-37.5°	29127.9	29473.9	29683.1	29811.1	29683.1	29473.9	29127.9	28636.6	28032.2	27306.9	26406.7
-40°	26496.6	26799.8	26966.6	26969.5	26966.6	26799.8	26496.6	26079.0	25542.1	24849.1	24052.5
-42.5°	24012.6	24267.8	24395.4	24397.4	24395.4	24267.8	24012.6	23626.9	23106.3	22485.3	21794.1
-45°	21567.7	21817.3	21994.1	22105.8	21994.1	21817.3	21567.7	21223.9	20797.1	20274.1	19656.6
-47.5°	19323.6	19528.3	19668.6	19745.0	19668.6	19528.3	19323.6	19035.9	18658.8	18188.5	17632.0
-50°	17217.1	17380.8	17500.4	17571.3	17500.4	17380.8	17217.1	16988.8	16677.1	16248.7	15733.5
-52.5°	15270.5	15390.0	15432.9	15405.0	15432.9	15390.0	15270.5	15083.0	14806.6	14385.9	13901.0
-55°	13412.5	13531.6	13579.2	13562.4	13579.2	13531.6	13412.5	13239.4	13008.5	12658.4	12267.0
-57.5°	11728.7	11834.3	11918.8	11970.5	11918.8	11834.3	11728.7	11582.4	11396.4	11120.1	10799.1
-60°	10224.5	10302.6	10355.7	10376.6	10355.7	10302.6	10224.5	10115.1	9976.3	9751.0	9473.5
-62.5°	8865.8	8914.4	8952.1	8968.0	8952.1	8914.4	8865.8	8784.2	8668.0	8468.1	8217.8
-65°	7595.6	7654.9	7647.7	7606.2	7647.7	7654.9	7595.6	7514.9	7413.8	7265.3	7069.9
-67.5°	6488.1	6526.6	6559.8	6577.3	6559.8	6526.6	6488.1	6431.0	6355.4	6233.1	6057.2
-70°	5482.4	5514.0	5525.8	5522.2	5525.8	5514.0	5482.4	5436.4	5376.1	5281.1	5134.3
-72.5°	4570.9	4594.0	4598.6	4590.6	4598.6	4594.0	4570.9	4536.4	4490.5	4419.2	4298.0
-75°	3737.4	3752.8	3760.5	3760.1	3760.5	3752.8	3737.4	3712.4	3677.2	3622.7	3524.1
-77.5°	2999.6	3025.4	3014.5	2995.0	3014.5	3025.4	2999.6	2967.2	2928.3	2879.7	2803.7
-80°	2292.6	2308.5	2299.8	2286.0	2299.8	2308.5	2292.6	2272.2	2247.1	2215.4	2159.2
-82.5°	1701.0	1713.5	1699.3	1681.7	1699.3	1713.5	1701.0	1686.0	1668.6	1648.1	1609.2
-85°	1226.9	1228.7	1227.6	1225.3	1227.6	1228.7	1226.9	1223.8	1219.6	1213.7	1185.7
-87.5°	941.3	944.2	941.8	939.1	941.8	944.2	941.3	938.0	934.5	930.7	908.5
-90°	4.2	3.7	4.7	5.6	4.7	3.7	4.2	4.7	5.1	5.6	6.1



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	765.1	746.4	727.7	719.8	711.8	703.9	695.9	670.7	645.4	620.2	594.9
87.5°	34.7	30.3	26.2	26.2	26.2	26.2	26.2	24.3	22.4	20.7	19.1
85°	80.8	75.0	69.2	69.5	69.5	69.0	68.0	62.8	57.4	51.9	46.4
82.5°	128.1	122.1	116.2	114.1	112.1	110.3	108.3	102.9	97.3	91.4	85.2
80°	162.6	157.1	152.0	150.4	148.2	145.5	141.8	135.9	129.4	122.6	115.0
77.5°	172.3	171.2	170.4	173.1	174.8	175.5	174.3	169.6	162.9	155.6	146.4
75°	157.1	161.6	167.7	177.6	186.5	194.2	196.8	195.1	191.8	186.7	177.6
72.5°	129.6	136.9	147.6	163.2	178.9	191.5	201.8	209.4	213.8	214.8	207.8
70°	101.6	108.9	121.1	137.5	154.4	171.5	191.1	210.1	226.9	235.5	231.2
67.5°	77.5	83.9	96.5	112.5	129.9	147.8	172.0	197.1	219.1	237.6	245.1
65°	59.5	64.3	76.8	93.0	109.7	127.0	152.8	178.7	205.2	230.6	247.7
62.5°	48.4	53.4	67.8	82.5	97.0	115.0	142.1	169.3	194.3	219.2	245.3
60°	41.8	48.1	64.7	79.8	93.3	115.1	145.8	171.6	192.2	226.4	254.3
57.5°	59.8	57.5	82.0	97.3	102.6	135.2	168.7	189.6	210.7	255.7	279.3
55°	216.5	231.8	246.0	211.5	163.4	249.7	258.1	239.3	278.3	313.7	346.8
52.5°	769.3	776.9	719.3	577.0	550.8	573.3	512.8	489.4	464.2	503.8	482.9
50°	1824.7	1784.8	1619.4	1380.7	1356.1	1203.6	1079.7	945.6	947.1	889.8	764.6
47.5°	3519.6	3286.5	2985.6	2710.9	2544.8	2397.5	2107.1	1726.1	1701.2	1491.7	1302.1
45°	5460.6	5091.7	4698.9	4279.7	3893.9	3637.5	3432.4	3047.8	2677.0	2426.7	1995.2
42.5°	7158.8	6855.4	6452.2	5855.7	5280.3	4850.3	4522.7	4205.3	3822.2	3459.2	3030.0
40°	8602.6	8187.2	7798.1	7353.0	6700.9	6018.8	5639.1	5222.7	4830.4	4420.6	3985.9
37.5°	9972.3	9403.0	9034.9	8564.0	7994.1	7396.7	6835.6	6327.4	5778.9	5319.1	4825.0
35°	11459.9	10864.2	10410.3	9883.7	9231.8	8718.6	8108.7	7473.9	6857.2	6227.1	5663.1
32.5°	13322.6	12742.9	12042.9	11389.5	10770.4	10086.1	9375.3	8627.5	7973.2	7238.6	6521.8
30°	15811.5	14998.1	14093.1	13203.1	12523.7	11669.5	10695.1	9941.7	9156.8	8287.2	7407.1
27.5°	18908.3	17613.4	16483.3	15532.5	14485.6	13443.9	12360.5	11332.2	10400.4	9403.7	8379.0
25°	22330.4	20862.3	19400.4	18153.0	16803.5	15418.0	14127.4	12887.9	11725.7	10557.8	9300.3
22.5°	25821.1	24245.2	22643.6	20957.2	19258.4	17609.4	16048.8	14465.0	13052.5	11671.9	10282.3
20°	29425.7	27532.1	25724.2	23782.5	21735.6	19733.2	18000.0	16129.6	14406.7	12802.3	11256.5
17.5°	33156.0	30806.5	28572.3	26382.4	24136.6	21934.2	19760.3	17696.2	15747.5	13912.4	12199.5
15°	36728.5	33983.2	31410.9	28892.6	26358.8	23809.1	21346.1	19114.5	17068.1	15042.1	13126.4
12.5°	39680.4	36885.4	34100.1	31114.6	28273.6	25540.5	22909.8	20476.9	18246.2	16006.9	13908.6
10°	42164.6	39218.5	36196.8	33104.7	30060.3	27134.3	24293.7	21584.7	19096.8	16789.5	14607.8
7.5°	44035.5	41035.0	37975.1	34792.8	31590.8	28467.8	25421.4	22528.5	19854.0	17450.9	15220.5
5°	45444.3	42414.9	39241.2	36039.1	32848.1	29625.0	26394.0	23343.3	20505.5	17993.0	15742.9
2.5°	46508.9	43403.1	40154.4	36965.3	33822.4	30556.8	27187.8	24005.6	21113.9	18480.8	16085.7
0°	47154.1	44030.1	40745.2	37516.4	34345.6	31184.2	27783.3	24494.6	21628.8	18877.0	16334.7
-2.5°	47463.1	44343.4	40964.4	37638.3	34457.0	31310.3	28109.1	24916.3	21953.6	19252.8	16681.4
-5°	47477.7	44368.6	41042.6	37745.4	34506.8	31371.3	28222.3	25134.0	22172.3	19498.8	16922.5
-7.5°	47196.9	44137.8	40851.6	37575.3	34368.4	31264.4	28146.3	25168.1	22302.9	19590.9	17042.6
-10°	46721.4	43723.5	40479.1	37195.8	34041.7	30936.6	27917.0	25074.8	22272.1	19563.4	17060.2
-12.5°	45709.3	42915.7	39797.1	36575.7	33491.5	30429.2	27538.1	24837.1	22074.3	19419.1	16976.9
-15°	44528.6	41804.7	38787.7	35735.7	32715.6	29787.9	27000.4	24356.1	21671.1	19151.4	16794.8
-17.5°	42943.9	40419.6	37549.3	34715.2	31821.2	29015.7	26326.2	23745.1	21205.6	18766.7	16458.2
-20°	41060.1	38626.6	36185.4	33552.2	30789.2	28106.3	25496.2	23060.4	20650.0	18276.8	16059.2



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	39012.5	36808.6	34513.7	32115.7	29624.4	27082.6	24620.1	22284.3	19987.1	17652.5	15579.3
-25°	36850.8	34853.1	32716.4	30526.4	28276.5	25926.2	23623.3	21395.2	19171.7	16986.7	15030.0
-27.5°	34606.7	32768.6	30921.6	28889.7	26797.2	24675.9	22531.6	20405.4	18273.4	16308.8	14455.9
-30°	32303.9	30670.8	29007.0	27249.3	25287.7	23299.7	21338.6	19367.9	17413.6	15561.4	13806.2
-32.5°	29956.3	28532.2	27031.2	25489.8	23716.0	21872.0	20080.5	18311.3	16500.2	14785.9	13166.5
-35°	27628.1	26401.0	25065.7	23629.0	22095.4	20439.5	18779.7	17169.3	15576.2	13965.3	12476.0
-37.5°	25395.3	24323.5	23098.9	21771.4	20432.4	18995.3	17500.3	16033.3	14570.2	13145.9	11750.2
-40°	23180.3	22207.0	21170.3	19984.2	18792.3	17568.8	16245.5	14886.9	13575.5	12290.5	10993.0
-42.5°	21038.3	20190.9	19291.9	18266.4	17193.8	16137.6	14998.1	13771.1	12560.2	11393.2	10262.3
-45°	18992.6	18256.0	17455.3	16603.8	15660.7	14720.8	13746.1	12645.4	11543.0	10511.7	9493.7
-47.5°	17035.6	16401.4	15709.6	15003.1	14185.9	13332.1	12467.5	11512.6	10570.5	9624.8	8743.1
-50°	15157.7	14621.0	14044.8	13450.9	12775.4	12010.8	11246.6	10464.6	9615.3	8796.6	7990.2
-52.5°	13366.1	12953.8	12503.9	12001.9	11448.6	10791.4	10100.4	9438.5	8710.6	7989.8	7273.3
-55°	11837.1	11462.9	11087.7	10668.4	10211.3	9647.9	9056.6	8464.2	7866.1	7206.6	6585.5
-57.5°	10439.7	10092.2	9778.5	9428.8	9044.0	8575.3	8074.0	7553.4	7041.0	6472.2	5906.9
-60°	9159.8	8829.2	8565.1	8274.5	7957.9	7569.2	7142.5	6694.2	6225.3	5759.6	5281.4
-62.5°	7946.8	7657.8	7435.4	7203.2	6948.7	6646.4	6263.7	5884.0	5487.6	5074.3	4684.8
-65°	6849.4	6603.7	6403.3	6220.4	6018.9	5794.3	5459.2	5128.2	4799.8	4461.6	4113.6
-67.5°	5864.7	5656.2	5484.7	5328.0	5167.9	4990.8	4725.6	4437.0	4158.6	3882.2	3588.4
-70°	4975.3	4804.5	4657.4	4526.6	4390.4	4246.8	4042.4	3806.6	3565.6	3330.1	3084.5
-72.5°	4167.5	4028.2	3902.2	3796.6	3679.5	3560.8	3405.0	3211.3	3011.5	2806.0	2600.7
-75°	3418.2	3305.4	3199.4	3116.9	3026.9	2929.7	2810.3	2652.7	2493.0	2331.8	2167.6
-77.5°	2722.1	2635.3	2551.2	2490.4	2423.4	2350.2	2258.8	2133.8	2016.4	1896.5	1774.0
-80°	2099.1	2035.4	1972.6	1933.9	1892.0	1847.1	1791.8	1696.1	1598.1	1503.2	1412.5
-82.5°	1567.8	1524.2	1480.4	1460.2	1436.7	1409.9	1376.3	1306.9	1236.5	1165.2	1093.5
-85°	1156.7	1126.6	1096.1	1084.2	1070.7	1055.5	1037.4	992.0	945.7	898.7	850.9
-87.5°	886.2	863.7	841.2	832.5	823.5	814.2	804.4	773.8	743.2	712.6	681.9
-90°	6.6	7.0	7.5	8.0	8.5	8.9	9.4	9.9	10.3	10.8	11.2



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	567.8	540.7	513.5	486.4	458.8	431.2	403.6	376.0	344.7	313.4	282.0
87.5°	20.5	21.8	22.9	23.8	23.4	22.9	22.4	21.8	22.7	23.3	23.7
85°	43.5	41.0	39.0	37.6	35.5	32.7	31.7	30.6	31.9	32.6	32.8
82.5°	78.8	71.9	65.5	60.3	58.7	56.2	52.7	48.4	45.9	42.8	42.0
80°	105.7	96.8	88.3	81.4	80.5	79.8	76.1	71.5	67.7	63.0	57.4
77.5°	134.1	121.8	109.5	100.6	97.8	95.3	93.2	92.4	89.5	83.2	75.8
75°	163.7	149.3	135.0	125.0	119.5	110.6	106.7	107.1	110.2	103.9	94.2
72.5°	194.2	179.0	162.1	152.4	149.4	141.5	128.6	123.7	131.8	128.9	115.0
70°	221.5	209.1	192.6	188.4	184.6	174.2	162.3	158.8	155.3	155.1	142.8
67.5°	246.5	235.4	221.1	227.0	226.4	217.0	198.6	200.3	199.0	183.1	171.5
65°	254.3	255.1	251.9	267.8	271.2	262.8	245.2	248.0	244.6	228.9	201.3
62.5°	262.3	269.5	282.0	311.1	319.9	313.2	297.5	307.7	295.1	276.1	242.4
60°	271.3	284.8	319.3	355.8	371.8	367.5	364.0	371.2	358.8	324.9	288.9
57.5°	301.1	307.1	368.6	410.6	428.5	426.5	438.6	445.4	425.6	386.5	337.1
55°	349.9	373.2	442.0	480.6	496.8	491.6	524.5	528.4	498.2	453.0	388.7
52.5°	445.7	499.3	558.5	579.4	582.0	583.0	627.7	617.6	584.4	521.6	453.6
50°	660.7	707.8	739.2	726.8	687.8	721.3	743.6	729.8	675.2	596.7	521.5
47.5°	1114.4	1094.9	1014.2	926.0	855.4	884.4	897.5	853.7	770.7	684.3	590.9
45°	1813.1	1651.7	1434.4	1245.5	1095.6	1112.1	1078.8	987.6	893.9	779.0	661.6
42.5°	2573.0	2329.5	2052.9	1607.4	1465.8	1377.2	1280.0	1167.6	1024.5	876.8	741.6
40°	3465.1	3045.9	2725.7	2245.5	1860.4	1666.9	1539.0	1367.7	1161.3	983.3	828.7
37.5°	4308.4	3795.1	3394.0	2847.5	2295.5	2033.4	1819.8	1582.0	1307.7	1102.3	916.9
35°	5087.7	4522.9	3964.2	3390.6	2813.9	2401.2	2116.6	1821.0	1478.1	1220.2	1006.0
32.5°	5850.1	5193.8	4544.7	3902.7	3290.3	2769.4	2439.7	2031.5	1641.7	1336.9	1095.8
30°	6634.1	5868.3	5122.8	4398.2	3734.0	3179.7	2731.2	2228.8	1798.0	1451.8	1187.6
27.5°	7421.1	6533.8	5702.5	4908.7	4174.5	3555.3	2953.9	2412.8	1946.8	1571.9	1283.4
25°	8228.0	7235.4	6300.7	5418.9	4596.9	3844.4	3167.5	2584.1	2098.7	1698.5	1376.6
22.5°	9048.2	7946.9	6883.0	5916.0	4947.6	4135.7	3391.3	2764.2	2245.3	1818.2	1466.9
20°	9820.1	8647.7	7427.9	6315.1	5293.9	4437.2	3629.4	2934.0	2380.4	1930.9	1554.1
17.5°	10564.4	9278.2	7911.9	6705.8	5629.5	4714.2	3861.5	3093.0	2504.1	2036.4	1637.7
15°	11334.8	9830.6	8380.1	7065.1	5935.6	4966.7	4085.2	3240.5	2616.4	2134.6	1707.9
12.5°	12024.3	10367.3	8817.3	7391.3	6211.5	5194.7	4297.8	3375.8	2717.6	2221.2	1762.8
10°	12638.1	10879.1	9218.3	7682.7	6456.7	5398.2	4496.6	3513.6	2836.5	2298.8	1813.7
7.5°	13175.2	11356.0	9577.7	7937.8	6672.8	5567.2	4647.2	3670.6	2954.2	2370.9	1860.2
5°	13617.0	11750.7	9923.1	8232.2	6872.8	5704.5	4762.6	3814.2	3065.2	2436.3	1901.5
2.5°	13905.2	12019.5	10232.3	8505.8	7044.1	5820.5	4850.3	3943.5	3167.4	2494.4	1937.0
0°	14118.0	12217.4	10483.3	8739.8	7183.4	5913.2	4914.3	4057.5	3258.7	2544.1	1966.1
-2.5°	14392.1	12411.1	10639.9	8925.2	7378.1	6077.6	5023.0	4129.6	3322.8	2606.2	2014.4
-5°	14581.0	12537.9	10741.9	9064.6	7535.5	6212.9	5109.9	4185.2	3374.1	2658.6	2055.2
-7.5°	14713.0	12640.3	10810.0	9157.2	7653.7	6315.3	5172.9	4224.1	3412.8	2700.9	2088.1
-10°	14763.6	12695.5	10846.7	9184.6	7690.9	6363.7	5210.1	4246.1	3439.0	2732.7	2112.7
-12.5°	14723.5	12669.2	10818.5	9162.3	7679.4	6362.6	5224.2	4263.5	3453.8	2753.7	2128.7
-15°	14591.7	12558.2	10723.3	9089.5	7626.0	6330.0	5214.9	4267.7	3459.9	2760.8	2135.7
-17.5°	14356.9	12360.1	10559.4	8966.0	7530.0	6265.7	5182.2	4251.8	3450.8	2752.9	2130.7
-20°	14025.1	12100.1	10335.8	8791.7	7391.1	6169.7	5126.2	4215.5	3426.2	2732.7	2115.0



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	13628.9	11804.6	10121.2	8595.3	7228.8	6042.1	5046.9	4158.5	3385.7	2700.1	2090.9
-25°	13165.1	11458.4	9850.1	8381.4	7058.9	5929.5	4955.8	4080.3	3329.2	2654.9	2058.3
-27.5°	12705.4	11073.6	9517.3	8124.9	6878.0	5792.6	4852.0	4003.6	3260.8	2596.9	2017.4
-30°	12223.8	10654.7	9180.2	7844.2	6661.3	5637.0	4723.6	3908.8	3185.4	2535.9	1968.1
-32.5°	11661.8	10169.9	8813.3	7571.6	6445.1	5449.1	4571.3	3795.0	3094.5	2470.6	1921.0
-35°	11044.6	9682.1	8410.8	7261.2	6204.2	5258.3	4408.3	3662.4	2988.3	2395.8	1870.1
-37.5°	10388.5	9163.2	8033.6	6932.4	5922.9	5040.1	4244.4	3524.7	2867.0	2311.7	1812.1
-40°	9777.6	8629.4	7581.3	6584.3	5643.0	4795.1	4059.9	3379.7	2753.3	2218.2	1747.3
-42.5°	9124.9	8094.6	7119.3	6186.3	5346.4	4569.1	3858.9	3221.0	2640.6	2129.6	1675.8
-45°	8499.5	7537.9	6636.1	5811.4	5030.7	4322.1	3668.2	3053.1	2514.4	2039.8	1602.6
-47.5°	7848.5	6983.8	6167.5	5409.7	4733.0	4065.7	3463.2	2894.9	2375.1	1942.5	1529.4
-50°	7218.8	6434.5	5702.0	5028.9	4400.0	3825.0	3249.8	2720.7	2250.1	1833.6	1449.0
-52.5°	6584.0	5900.7	5250.1	4641.3	4090.8	3569.9	3035.6	2535.0	2114.2	1723.5	1361.6
-55°	5965.4	5386.9	4804.0	4270.1	3772.8	3300.2	2804.5	2367.8	1967.8	1608.6	1269.4
-57.5°	5388.1	4874.4	4378.2	3900.4	3446.1	3008.5	2585.8	2189.0	1822.8	1486.2	1187.3
-60°	4818.3	4392.5	3953.1	3525.5	3110.0	2728.0	2370.3	2004.8	1672.3	1361.1	1097.4
-62.5°	4294.6	3910.3	3531.7	3142.5	2790.1	2463.4	2146.7	1822.7	1513.7	1247.7	1001.8
-65°	3784.1	3446.2	3104.2	2791.3	2485.9	2196.2	1926.1	1632.0	1369.2	1128.7	908.4
-67.5°	3285.7	3004.7	2725.4	2445.6	2191.1	1943.1	1695.8	1455.5	1224.1	1004.5	828.2
-70°	2834.3	2584.8	2355.7	2133.1	1908.5	1689.0	1489.8	1281.7	1073.4	905.0	745.0
-72.5°	2404.4	2209.5	2016.7	1823.1	1643.3	1463.9	1285.2	1110.5	953.5	802.8	658.9
-75°	2000.7	1850.0	1702.5	1551.4	1392.7	1236.8	1102.8	969.3	830.7	697.7	586.4
-77.5°	1649.7	1525.5	1401.9	1286.9	1166.5	1049.6	936.6	824.5	712.3	612.4	517.5
-80°	1322.7	1232.6	1142.5	1051.2	953.6	859.6	780.3	700.4	612.0	527.4	447.0
-82.5°	1023.3	962.0	902.7	842.0	776.0	710.6	645.9	581.4	509.6	440.8	387.8
-85°	804.5	757.4	709.6	661.1	610.3	560.1	523.0	485.5	440.9	396.8	353.1
-87.5°	651.8	621.5	591.0	560.2	528.1	496.0	463.6	431.1	393.1	355.3	317.8
-90°	11.7	12.2	12.6	13.1	13.1	13.1	13.1	13.1	13.6	14.1	14.5



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	250.7	207.7	164.7	121.6	78.6	45.9	13.1
87.5°	23.7	23.0	22.0	20.7	19.1	16.7	13.1
85°	32.4	31.0	28.9	26.3	23.1	19.3	13.1
82.5°	41.1	39.0	35.9	32.0	27.2	21.9	13.1
80°	50.9	47.0	42.9	37.6	31.3	24.5	13.1
77.5°	67.7	58.2	49.9	43.3	35.4	27.0	13.1
75°	84.9	75.5	58.5	48.9	39.5	29.6	13.1
72.5°	102.6	93.0	74.7	54.5	43.7	32.2	13.1
70°	122.1	110.8	91.1	61.6	47.9	34.7	13.1
67.5°	152.0	128.8	107.5	75.4	52.1	37.3	13.1
65°	182.7	152.5	124.1	89.2	56.3	39.8	13.1
62.5°	214.3	181.9	140.7	102.9	60.6	42.3	13.1
60°	246.8	211.7	157.5	116.6	64.9	44.7	13.1
57.5°	291.5	242.0	183.2	130.2	74.9	47.2	13.1
55°	338.5	272.8	209.3	143.8	84.7	49.6	13.1
52.5°	386.4	305.7	235.5	157.3	94.5	51.9	13.1
50°	435.2	347.7	261.8	170.8	104.0	54.3	13.1
47.5°	486.4	389.9	288.1	185.7	113.4	56.6	13.1
45°	547.6	432.2	314.4	205.6	122.6	58.8	13.1
42.5°	609.3	474.6	340.5	225.1	131.5	61.0	13.1
40°	671.3	517.1	370.3	244.4	140.2	63.1	13.1
37.5°	733.4	559.4	403.2	263.2	148.7	65.2	13.1
35°	795.6	606.7	435.7	281.4	156.9	67.3	13.1
32.5°	861.0	656.1	467.4	298.9	164.8	69.2	13.1
30°	933.8	704.6	498.5	315.7	172.4	71.1	13.1
27.5°	1005.8	752.2	526.7	331.8	179.7	72.9	13.1
25°	1076.5	798.5	553.5	347.1	186.6	74.6	13.1
22.5°	1145.8	841.3	578.8	361.6	193.1	76.3	13.1
20°	1213.1	876.8	602.6	375.2	199.2	77.8	13.1
17.5°	1265.9	909.7	624.8	387.8	205.0	79.2	13.1
15°	1307.1	939.8	645.4	399.5	210.3	80.6	13.1
12.5°	1343.4	967.1	664.2	410.2	215.1	81.8	13.1
10°	1374.9	991.5	681.2	419.8	219.5	82.9	13.1
7.5°	1401.6	1012.9	696.4	428.4	223.4	83.9	13.1
5°	1423.6	1031.3	709.5	435.8	226.8	84.8	13.1
2.5°	1440.9	1046.6	720.6	442.1	229.7	85.5	13.1
0°	1453.5	1058.8	729.6	447.1	232.0	86.1	13.1
-2.5°	1488.5	1078.5	741.5	453.9	235.6	87.8	13.1
-5°	1518.3	1094.9	751.2	459.3	238.6	89.3	13.1
-7.5°	1542.6	1107.7	758.5	463.5	241.0	90.7	13.1
-10°	1560.9	1116.8	763.3	466.3	242.8	92.0	13.1
-12.5°	1572.8	1122.1	765.6	467.8	244.1	93.0	13.1
-15°	1577.9	1123.3	765.4	467.8	244.7	94.0	13.1
-17.5°	1575.8	1120.4	762.4	466.4	244.7	94.7	13.1
-20°	1567.1	1113.2	756.8	463.6	244.2	95.3	13.1



REPORT NUMBER: P731737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1553.3	1101.8	748.4	459.2	243.0	95.7	13.1
-25°	1533.5	1090.4	737.2	453.4	241.2	96.0	13.1
-27.5°	1507.5	1076.4	723.3	446.1	238.8	96.0	13.1
-30°	1475.5	1057.8	706.9	437.4	235.9	95.9	13.1
-32.5°	1437.5	1034.4	692.1	427.1	232.3	95.6	13.1
-35°	1402.0	1006.3	674.2	415.4	228.1	95.2	13.1
-37.5°	1364.1	976.2	653.4	402.2	223.3	94.6	13.1
-40°	1320.0	947.1	629.6	387.5	217.9	93.7	13.1
-42.5°	1269.8	914.1	607.5	372.4	212.0	92.8	13.1
-45°	1213.7	877.1	587.6	357.4	205.5	91.6	13.1
-47.5°	1151.7	836.3	565.4	340.9	198.5	90.3	13.1
-50°	1095.3	791.7	540.8	329.3	190.9	88.8	13.1
-52.5°	1036.1	743.5	514.1	318.4	182.8	87.1	13.1
-55°	972.3	703.7	485.2	306.3	174.2	85.3	13.1
-57.5°	904.1	663.4	454.2	293.1	165.2	83.3	13.1
-60°	833.8	620.4	421.8	278.8	155.7	81.2	13.1
-62.5°	776.4	574.7	399.4	263.5	150.8	78.9	13.1
-65°	715.8	526.5	375.4	247.1	145.5	76.5	13.1
-67.5°	652.1	483.9	350.0	229.8	140.0	73.9	13.1
-70°	585.7	447.1	323.1	211.6	134.1	71.2	13.1
-72.5°	532.8	408.5	295.0	200.3	128.0	68.4	13.1
-75°	480.2	368.2	265.7	190.2	121.6	65.5	13.1
-77.5°	425.6	326.5	247.9	179.7	114.9	62.4	13.1
-80°	369.4	298.0	232.3	168.8	108.0	59.3	13.1
-82.5°	338.2	276.3	216.0	157.5	100.9	56.1	13.1
-85°	309.7	253.9	199.3	145.9	93.6	52.7	13.1
-87.5°	280.5	231.0	182.2	133.9	86.2	49.3	13.1
-90°	15.0	15.0	15.0	15.0	15.0	14.1	13.1

(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

