

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: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-7F-VHE**

Issue Date: 11/16/2023

Test Information

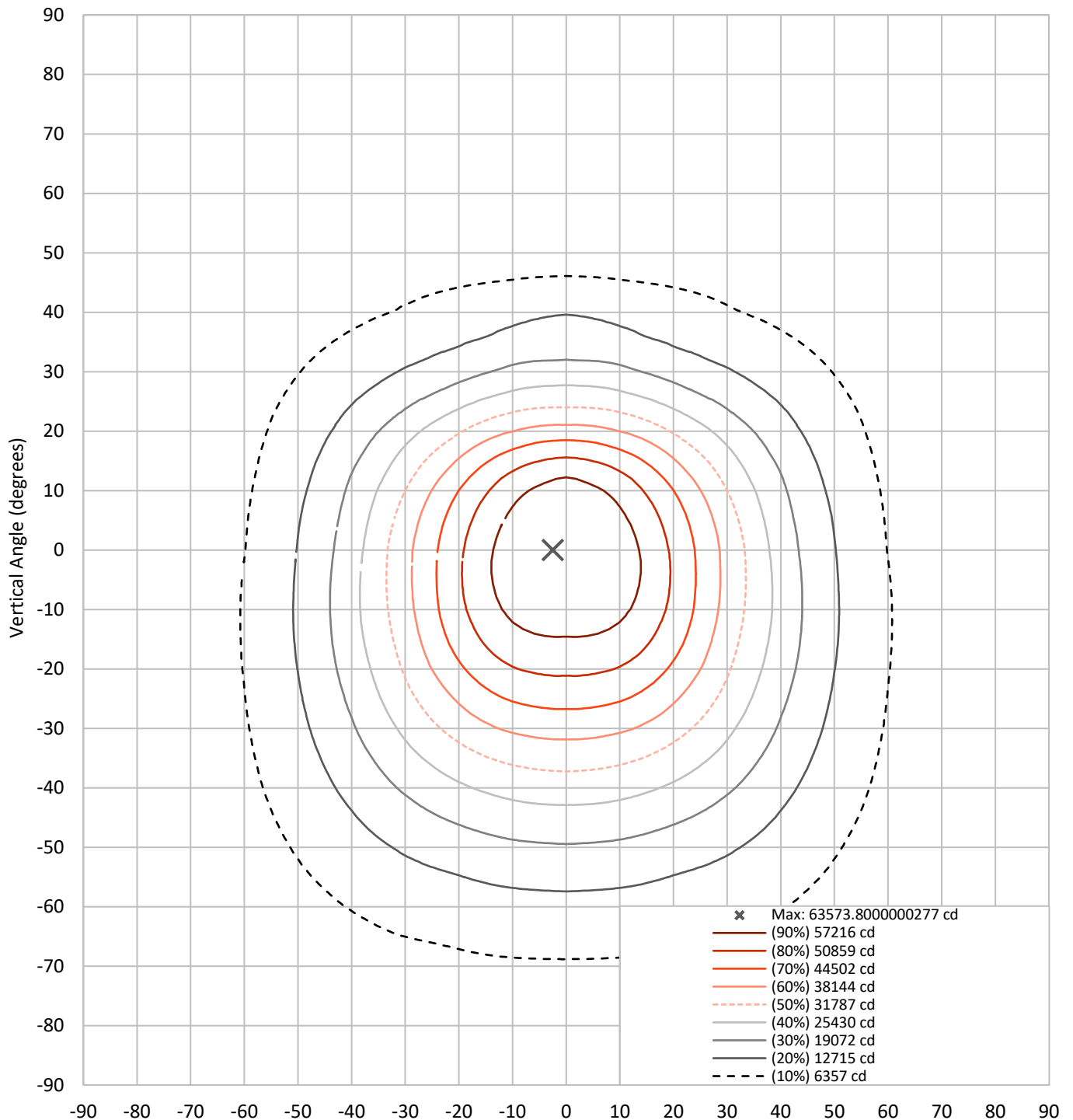
Test Method: LM-79-08
Report Number: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-7F-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 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:	84576.5 lumens	Max Intensity:	63573.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	121.3 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:	45920.9 lumens	Field Lumens:	79255.8 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		

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CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

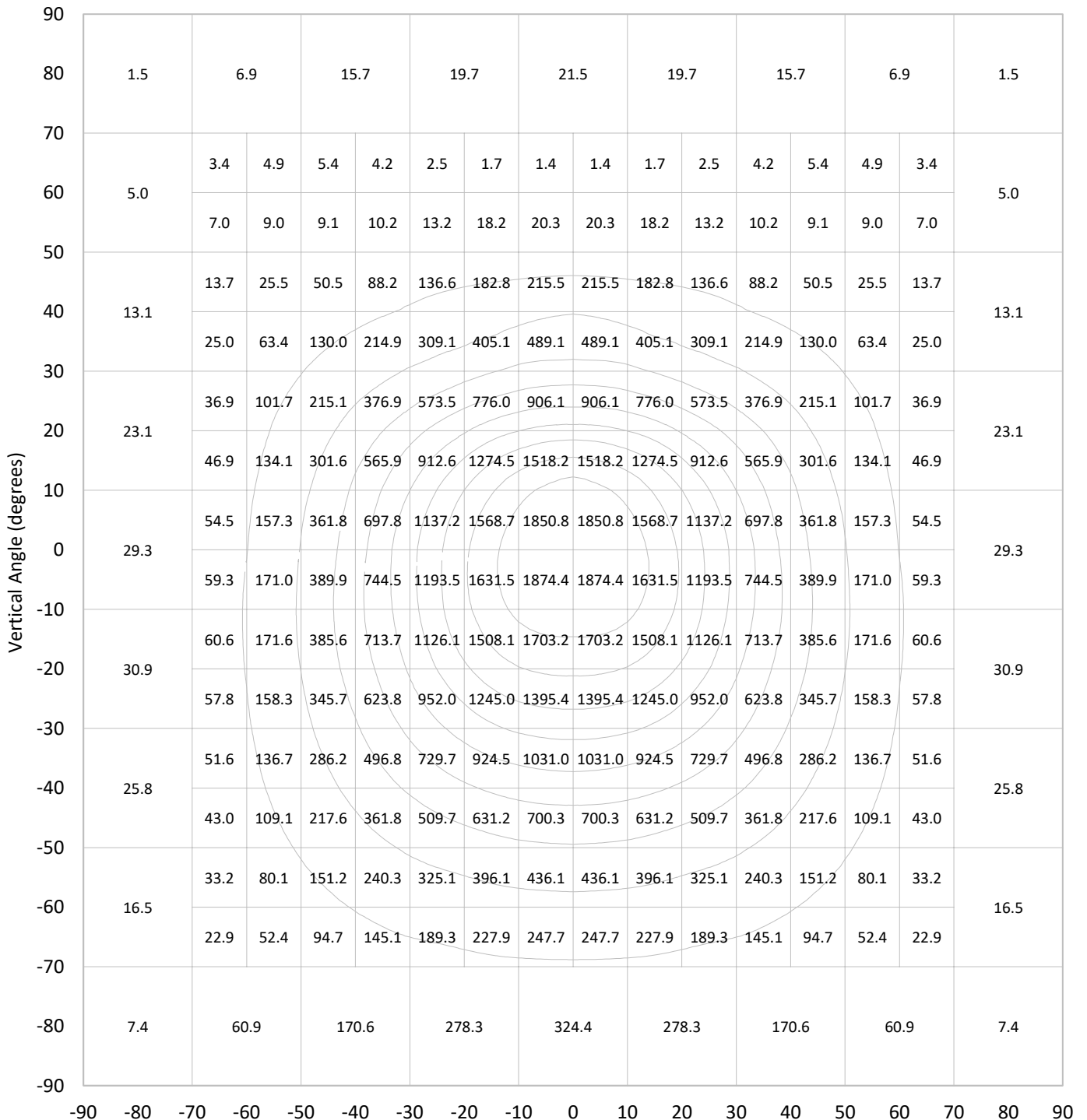
Iso-Candela Plot





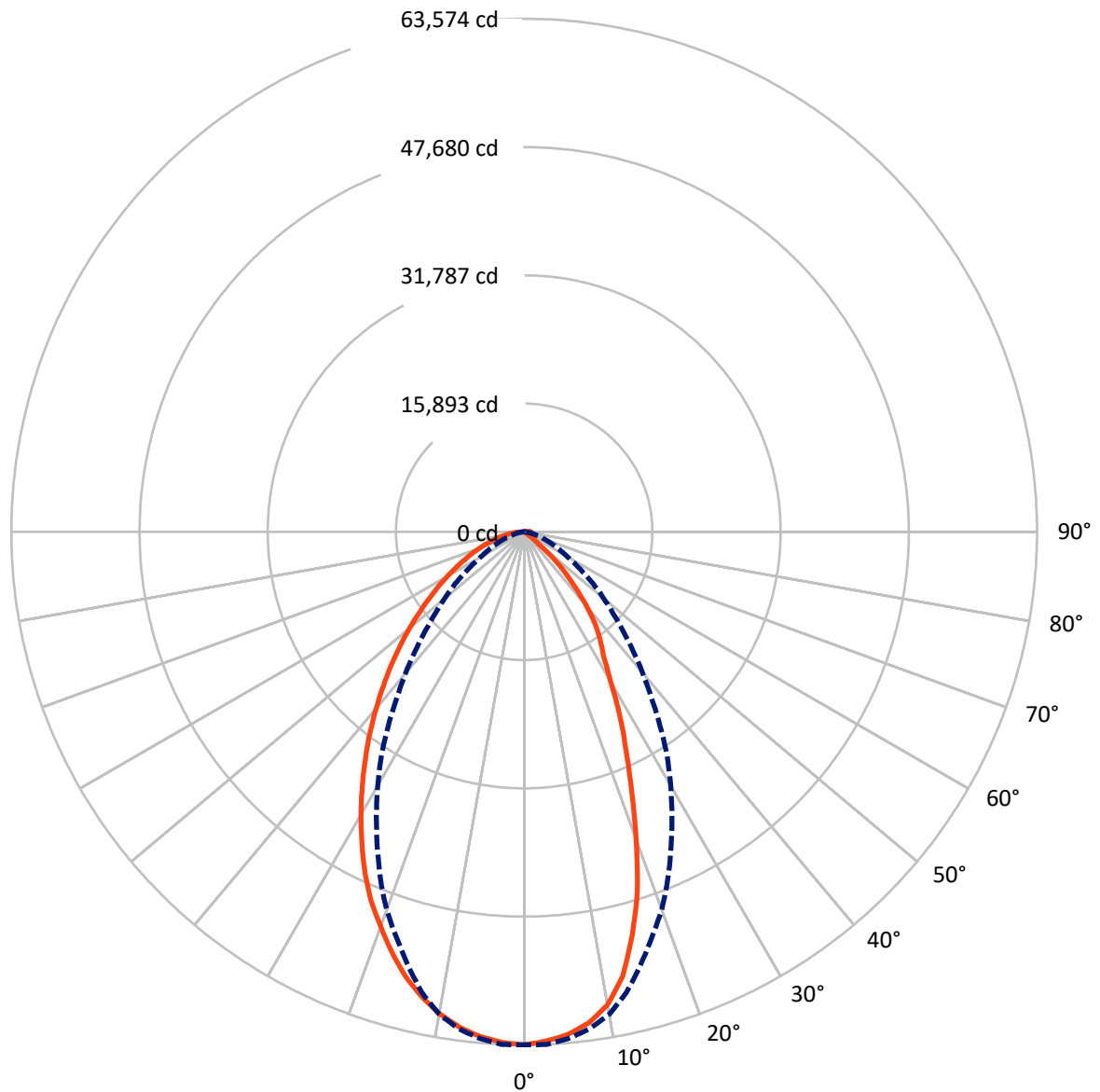
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Lumen Table



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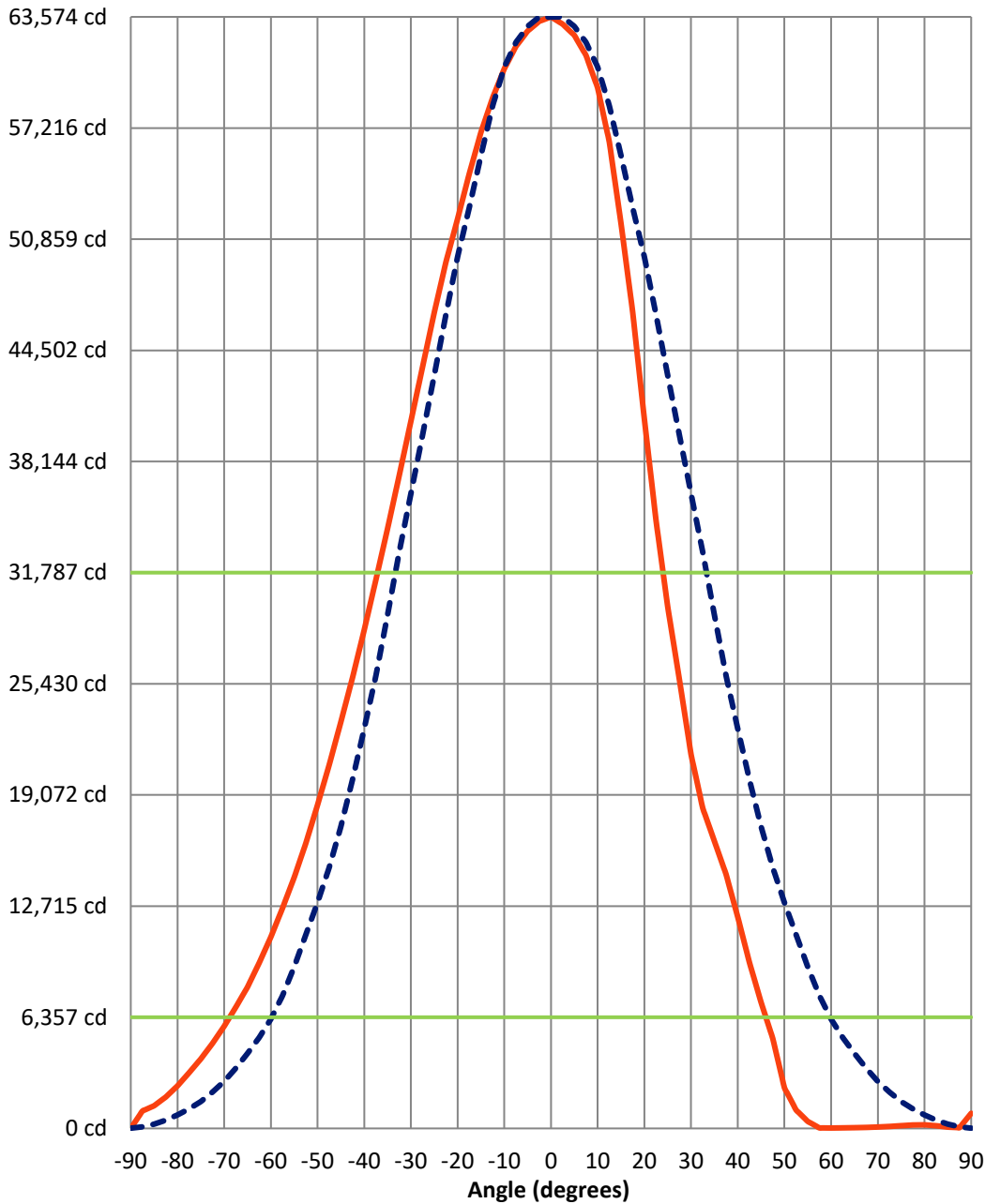
Luminous Intensity Polar Plot



— 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: 45920.9
 Efficiency: 54.3%

Field:
 H Angle: 119.6°
 V Angle: 114.9°
 Lumens: 79255.8
 Efficiency: 93.7%

Spill:
 Lumens: 5320.7
 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°	13.8	48.5	83.1	128.6	174.1	219.5	265.0	298.1	331.3	364.4	397.5
87.5°	13.8	17.6	20.1	21.8	23.2	24.3	25.0	25.0	24.6	24.0	23.0
85°	13.8	20.3	24.4	27.8	30.6	32.7	34.2	34.7	34.5	33.7	32.3
82.5°	13.8	23.1	28.8	33.8	38.0	41.2	43.5	44.4	45.2	48.5	51.1
80°	13.8	25.8	33.1	39.8	45.4	49.7	53.8	60.7	66.6	71.5	75.5
77.5°	13.8	28.6	37.4	45.8	52.7	61.6	71.6	80.2	88.0	94.6	97.6
75°	13.8	31.3	41.8	51.7	61.9	79.8	89.8	99.7	109.8	116.5	113.2
72.5°	13.8	34.0	46.2	57.6	79.1	98.3	108.5	121.6	136.3	139.3	130.7
70°	13.8	36.7	50.6	65.2	96.3	117.1	129.2	151.0	164.0	164.2	167.9
67.5°	13.8	39.4	55.1	79.8	113.7	136.3	160.8	181.4	193.5	210.4	211.7
65°	13.8	42.0	59.6	94.3	131.2	161.3	193.2	212.7	241.9	258.6	262.2
62.5°	13.8	44.7	64.1	108.8	148.8	192.3	226.6	256.3	291.9	312.0	325.2
60°	13.8	47.3	68.7	123.3	166.6	223.8	260.9	305.4	343.5	379.3	392.4
57.5°	13.8	49.8	79.2	137.7	193.7	255.8	308.2	356.3	408.6	449.9	470.8
55°	13.8	52.4	89.6	152.1	221.3	288.4	357.9	410.9	478.9	526.7	558.6
52.5°	13.8	54.9	99.9	166.4	249.0	323.2	408.5	479.5	551.5	617.8	652.9
50°	13.8	57.4	110.0	180.5	276.8	367.5	460.0	551.3	630.8	713.8	771.5
47.5°	13.8	59.8	119.9	196.3	304.6	412.1	514.1	624.6	723.4	814.7	902.4
45°	13.8	62.2	129.6	217.3	332.3	456.9	578.9	699.4	823.5	944.9	1043.9
42.5°	13.8	64.5	139.1	238.0	360.0	501.7	644.1	784.0	926.9	1083.0	1234.2
40°	13.8	66.8	148.3	258.4	391.4	546.6	709.6	876.0	1039.5	1227.6	1445.8
37.5°	13.8	69.0	157.2	278.2	426.3	591.3	775.3	969.3	1165.3	1382.3	1672.3
35°	13.8	71.1	165.9	297.5	460.5	641.4	841.1	1063.5	1289.9	1562.5	1925.0
32.5°	13.8	73.2	174.2	316.0	494.1	693.6	910.2	1158.4	1413.2	1735.4	2147.5
30°	13.8	75.2	182.2	333.8	526.9	744.9	987.2	1255.5	1534.7	1900.7	2356.2
27.5°	13.8	77.1	189.9	350.8	556.8	795.1	1063.2	1356.7	1661.7	2058.0	2550.7
25°	13.8	78.9	197.2	366.9	585.1	844.1	1138.0	1455.3	1795.5	2218.6	2731.8
22.5°	13.8	80.6	204.1	382.2	611.8	889.3	1211.2	1550.8	1922.1	2373.6	2922.1
20°	13.8	82.2	210.6	396.6	637.0	926.9	1282.4	1642.9	2041.2	2516.4	3101.6
17.5°	13.8	83.8	216.7	410.0	660.5	961.6	1338.3	1731.2	2152.8	2647.1	3269.7
15°	13.8	85.2	222.3	422.3	682.2	993.5	1381.7	1805.5	2256.6	2765.9	3425.6
12.5°	13.8	86.5	227.4	433.6	702.1	1022.4	1420.1	1863.5	2348.0	2872.8	3568.6
10°	13.8	87.6	232.0	443.8	720.1	1048.2	1453.5	1917.4	2430.1	2998.5	3714.3
7.5°	13.8	88.7	236.1	452.8	736.1	1070.8	1481.7	1966.5	2506.3	3122.9	3880.3
5°	13.8	89.6	239.7	460.7	750.0	1090.3	1505.0	2010.1	2575.5	3240.3	4032.1
2.5°	13.8	90.4	242.7	467.3	761.7	1106.4	1523.2	2047.7	2636.8	3348.3	4168.8
0°	13.8	91.0	245.2	472.6	771.2	1119.3	1536.5	2078.4	2689.4	3444.9	4289.3
-2.5°	13.8	92.8	249.0	479.8	783.8	1140.2	1573.5	2129.5	2755.0	3512.6	4365.5
-5°	13.8	94.4	252.1	485.6	794.0	1157.5	1605.0	2172.6	2810.4	3566.9	4424.2
-7.5°	13.8	95.9	254.7	490.0	801.7	1171.0	1630.7	2207.4	2855.1	3607.7	4465.3
-10°	13.8	97.2	256.6	493.0	806.9	1180.6	1650.1	2233.4	2888.8	3635.5	4488.7
-12.5°	13.8	98.3	258.0	494.5	809.4	1186.2	1662.7	2250.3	2910.9	3651.1	4507.0
-15°	13.8	99.3	258.7	494.5	809.1	1187.5	1668.0	2257.7	2918.5	3657.5	4511.4
-17.5°	13.8	100.1	258.7	493.1	806.0	1184.4	1665.8	2252.4	2910.1	3647.9	4494.7
-20°	13.8	100.7	258.1	490.0	800.1	1176.9	1656.7	2235.8	2888.8	3621.9	4456.3



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	13.8	101.2	256.9	485.5	791.2	1164.7	1642.1	2210.3	2854.3	3579.1	4396.0
-25°	13.8	101.4	255.0	479.3	779.4	1152.8	1621.1	2175.9	2806.5	3519.3	4313.4
-27.5°	13.8	101.5	252.5	471.6	764.6	1138.0	1593.6	2132.6	2745.2	3447.1	4232.3
-30°	13.8	101.4	249.3	462.4	747.4	1118.2	1559.8	2080.5	2680.7	3367.3	4132.1
-32.5°	13.8	101.1	245.5	451.5	731.7	1093.5	1519.6	2030.8	2611.8	3271.3	4011.9
-35°	13.8	100.6	241.1	439.1	712.8	1063.8	1482.1	1976.9	2532.7	3159.0	3871.6
-37.5°	13.8	99.9	236.0	425.2	690.7	1032.0	1442.0	1915.6	2443.7	3030.7	3726.0
-40°	13.8	99.1	230.4	409.7	665.6	1001.3	1395.4	1847.1	2344.9	2910.5	3572.8
-42.5°	13.8	98.0	224.1	393.7	642.2	966.4	1342.4	1771.5	2251.2	2791.4	3405.0
-45°	13.8	96.8	217.3	377.9	621.2	927.3	1283.0	1694.2	2156.3	2658.0	3227.5
-47.5°	13.8	95.4	209.8	360.4	597.7	884.1	1217.5	1616.8	2053.5	2510.7	3060.2
-50°	13.8	93.8	201.8	348.1	571.8	837.0	1158.0	1531.8	1938.4	2378.6	2876.1
-52.5°	13.8	92.1	193.3	336.6	543.5	786.0	1095.4	1439.4	1822.0	2234.9	2679.8
-55°	13.8	90.1	184.2	323.9	512.9	744.0	1027.9	1341.9	1700.6	2080.3	2503.1
-57.5°	13.8	88.1	174.6	309.9	480.2	701.4	955.8	1255.2	1571.1	1927.0	2314.0
-60°	13.8	85.8	164.6	294.8	445.9	655.9	881.5	1160.2	1438.9	1767.8	2119.3
-62.5°	13.8	83.4	159.4	278.5	422.2	607.6	820.8	1059.0	1319.0	1600.2	1926.9
-65°	13.8	80.8	153.8	261.2	396.9	556.6	756.7	960.4	1193.2	1447.5	1725.2
-67.5°	13.8	78.1	148.0	242.9	369.9	511.5	689.4	875.6	1062.0	1294.1	1538.6
-70°	13.8	75.3	141.8	223.6	341.5	472.6	619.1	787.5	956.7	1134.8	1354.9
-72.5°	13.8	72.3	135.3	211.7	311.8	431.8	563.3	696.5	848.7	1007.9	1173.9
-75°	13.8	69.2	128.5	201.1	280.9	389.2	507.6	619.9	737.5	878.2	1024.7
-77.5°	13.8	66.0	121.5	190.0	262.1	345.2	449.9	547.0	647.4	753.0	871.6
-80°	13.8	62.7	114.2	178.5	245.5	314.9	390.4	472.5	557.5	646.9	740.4
-82.5°	13.8	59.2	106.7	166.5	228.4	292.0	357.4	409.9	465.9	538.7	614.5
-85°	13.8	55.7	99.0	154.2	210.7	268.4	327.3	373.3	419.4	466.1	513.1
-87.5°	13.8	52.1	91.1	141.5	192.6	244.2	296.5	336.0	375.6	415.5	455.7
-90°	13.8	14.8	15.8	15.8	15.8	15.8	15.8	15.3	14.8	14.3	13.8



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	426.7	455.9	485.0	514.2	542.9	571.6	600.2	628.9	655.6	682.3	708.9
87.5°	23.6	24.2	24.7	25.2	24.2	23.0	21.7	20.3	21.9	23.7	25.6
85°	33.5	34.6	37.5	39.7	41.2	43.3	45.9	49.1	54.9	60.7	66.3
82.5°	55.6	59.4	62.0	63.7	69.2	76.0	83.3	90.1	96.6	102.9	108.8
80°	80.4	84.3	85.0	86.0	93.2	102.2	111.7	121.6	129.5	136.8	143.7
77.5°	98.5	100.7	103.3	106.3	115.7	128.7	141.7	154.8	164.5	172.3	179.3
75°	112.8	116.8	126.2	132.1	142.6	157.8	173.1	187.8	197.4	202.7	206.3
72.5°	135.9	149.5	157.9	161.1	171.3	189.2	205.3	219.6	227.0	226.0	221.3
70°	171.5	184.2	195.1	199.2	203.6	221.0	234.2	244.4	248.9	239.9	222.1
67.5°	209.9	229.4	239.4	240.0	233.7	248.8	260.6	259.1	251.2	231.7	208.3
65°	259.2	277.8	286.7	283.1	266.3	269.7	268.9	261.9	243.8	216.9	189.0
62.5°	314.5	331.1	338.2	328.8	298.1	285.0	277.4	259.3	231.8	205.4	179.0
60°	384.8	388.5	393.0	376.1	337.6	301.1	286.8	268.8	239.3	203.1	181.4
57.5°	463.6	450.9	453.0	434.1	389.6	324.6	318.2	295.2	270.3	222.8	200.4
55°	554.5	519.7	525.3	508.1	467.2	394.5	369.9	366.5	331.6	294.2	252.9
52.5°	663.5	616.3	615.2	612.5	590.4	527.8	471.2	510.5	532.5	490.8	517.4
50°	786.1	762.5	727.1	768.3	781.4	748.2	698.5	808.3	940.7	1001.2	999.6
47.5°	948.8	934.9	904.2	978.9	1072.1	1157.5	1178.1	1376.5	1576.9	1798.4	1824.7
45°	1140.4	1175.7	1158.2	1316.6	1516.3	1746.1	1916.7	2109.2	2565.3	2829.9	3221.9
42.5°	1353.1	1455.9	1549.6	1699.3	2170.1	2462.6	2720.0	3203.1	3656.8	4040.5	4445.5
40°	1626.9	1762.1	1966.7	2373.8	2881.5	3219.9	3663.0	4213.5	4673.1	5106.3	5521.0
37.5°	1923.8	2149.6	2426.7	3010.1	3587.9	4011.9	4554.5	5100.5	5623.0	6109.0	6688.8
35°	2237.6	2538.4	2974.7	3584.3	4190.6	4781.2	5378.3	5986.6	6582.8	7248.8	7900.8
32.5°	2579.1	2927.7	3478.3	4125.7	4804.3	5490.5	6184.3	6894.3	7652.1	8428.7	9120.3
30°	2887.2	3361.4	3947.4	4649.5	5415.4	6203.5	7013.1	7830.2	8760.6	9679.8	10509.6
27.5°	3122.7	3758.5	4413.0	5189.1	6028.2	6907.0	7845.1	8857.6	9940.8	10994.5	11979.6
25°	3348.5	4064.1	4859.5	5728.4	6660.6	7648.7	8698.0	9831.6	11160.8	12395.5	13624.2
22.5°	3585.1	4372.0	5230.2	6254.0	7276.2	8400.9	9565.0	10869.6	12338.6	13798.2	15291.4
20°	3836.8	4690.7	5596.3	6675.9	7852.2	9141.8	10381.0	11899.5	13533.6	15229.7	17051.0
17.5°	4082.2	4983.5	5951.0	7088.9	8363.9	9808.2	11167.8	12896.3	14707.2	16647.1	18707.1
15°	4318.6	5250.5	6274.6	7468.7	8858.8	10392.1	11982.2	13876.2	15901.4	18043.0	20206.3
12.5°	4543.3	5491.4	6566.3	7813.5	9321.0	10959.5	12711.2	14703.1	16921.3	19288.5	21646.6
10°	4753.5	5706.5	6825.5	8121.5	9744.8	11500.6	13360.0	15442.2	17748.6	20187.6	22817.6
7.5°	4912.7	5885.1	7054.0	8391.2	10124.8	12004.7	13927.8	16089.9	18447.8	20988.1	23815.4
5°	5034.7	6030.3	7265.4	8702.5	10489.9	12421.9	14394.8	16642.2	19020.9	21676.8	24676.8
2.5°	5127.4	6153.0	7446.5	8991.7	10816.8	12706.1	14699.5	17004.6	19536.5	22320.0	25376.8
0°	5195.0	6251.0	7593.7	9239.0	11082.1	12915.3	14924.5	17267.8	19955.3	22864.3	25893.8
-2.5°	5309.9	6424.8	7799.6	9435.0	11247.6	13120.1	15214.2	17634.3	20352.6	23207.6	26339.6
-5°	5401.8	6567.8	7965.9	9582.5	11355.5	13254.1	15413.9	17889.2	20612.7	23438.8	26569.7
-7.5°	5468.4	6676.0	8090.9	9680.3	11427.5	13362.4	15553.4	18016.1	20710.0	23576.9	26605.7
-10°	5507.7	6727.2	8130.2	9709.3	11466.3	13420.8	15606.9	18034.7	20680.9	23544.4	26507.1
-12.5°	5522.6	6726.0	8118.1	9685.7	11436.5	13392.9	15564.5	17946.6	20528.4	23335.2	26255.9
-15°	5512.8	6691.6	8061.6	9608.8	11335.8	13275.5	15425.2	17754.2	20245.3	22909.0	25747.4
-17.5°	5478.2	6623.6	7960.1	9478.2	11162.7	13066.2	15177.0	17398.4	19838.8	22416.9	25101.4
-20°	5419.0	6522.2	7813.3	9294.0	10926.3	12791.3	14826.2	16976.6	19320.8	21829.6	24377.7



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5335.2	6387.3	7641.7	9086.3	10699.4	12478.9	14407.4	16469.2	18660.9	21128.9	23557.2
-25°	5239.0	6268.2	7462.2	8860.2	10412.8	12112.9	13917.1	15888.5	17957.1	20266.9	22617.4
-27.5°	5129.1	6123.5	7271.0	8589.1	10061.0	11706.1	13431.1	15281.7	17240.5	19317.2	21571.0
-30°	4993.4	5959.1	7041.8	8292.3	9704.6	11263.3	12922.0	14594.9	16450.3	18408.4	20474.2
-32.5°	4832.4	5760.4	6813.3	8004.2	9316.7	10750.9	12327.9	13918.6	15630.5	17442.8	19357.3
-35°	4660.1	5558.7	6558.6	7676.0	8891.2	10235.2	11675.5	13188.6	14763.0	16465.9	18150.1
-37.5°	4486.8	5328.1	6261.3	7328.5	8492.5	9686.6	10982.0	12421.5	13896.8	15402.5	16949.1
-40°	4291.8	5069.0	5965.3	6960.4	8014.3	9122.3	10336.2	11621.0	12992.6	14350.9	15737.3
-42.5°	4079.4	4830.1	5651.8	6539.7	7526.0	8557.0	9646.1	10848.5	12044.0	13277.7	14557.7
-45°	3877.7	4569.0	5318.1	6143.4	7015.2	7968.5	8985.1	10036.0	11112.2	12202.4	13367.7
-47.5°	3661.0	4297.9	5003.4	5718.8	6519.9	7382.8	8296.8	9242.5	10174.7	11174.3	12170.3
-50°	3435.4	4043.4	4651.3	5316.1	6027.7	6802.1	7631.2	8446.7	9299.1	10164.6	11062.4
-52.5°	3209.0	3773.8	4324.4	4906.4	5550.0	6237.8	6960.2	7688.8	8446.2	9208.2	9977.7
-55°	2964.7	3488.7	3988.3	4514.0	5078.4	5694.6	6306.2	6961.7	7618.3	8315.5	8947.7
-57.5°	2733.6	3180.4	3642.9	4123.2	4628.2	5152.8	5695.9	6244.4	6841.9	7443.2	7984.8
-60°	2505.7	2883.8	3287.7	3726.8	4178.8	4643.4	5093.5	5583.0	6088.6	6580.9	7076.6
-62.5°	2269.3	2604.1	2949.4	3322.0	3733.4	4133.6	4539.9	4952.4	5364.1	5801.0	6220.1
-65°	2036.2	2321.7	2627.9	2950.7	3281.4	3643.0	4000.3	4348.6	4716.5	5074.0	5421.1
-67.5°	1792.6	2054.1	2316.2	2585.3	2881.1	3176.3	3473.3	3793.4	4104.0	4396.2	4690.5
-70°	1574.9	1785.4	2017.5	2254.9	2490.3	2732.4	2996.2	3260.7	3520.3	3769.3	4024.1
-72.5°	1358.6	1547.4	1737.1	1927.2	2131.8	2335.7	2541.8	2749.3	2966.3	3183.6	3394.7
-75°	1165.8	1307.4	1472.2	1639.9	1799.7	1955.6	2115.0	2291.4	2465.0	2635.4	2804.2
-77.5°	990.1	1109.6	1233.1	1360.4	1481.9	1612.6	1743.9	1875.4	2004.8	2131.5	2255.6
-80°	824.8	908.7	1008.1	1111.3	1207.8	1303.0	1398.2	1493.2	1589.1	1689.5	1793.0
-82.5°	682.8	751.1	820.3	890.1	954.3	1017.0	1081.8	1155.9	1231.8	1307.1	1381.6
-85°	552.9	592.0	645.1	698.8	750.1	800.6	850.5	899.6	950.0	999.8	1048.7
-87.5°	490.1	524.3	558.3	592.1	624.7	657.0	689.1	720.9	753.3	785.7	818.0
-90°	13.8	13.8	13.8	13.8	13.3	12.9	12.4	11.9	11.4	10.9	10.4



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	735.6	744.0	752.5	760.9	769.3	789.1	808.9	828.6	848.4	852.9	857.3
87.5°	27.7	27.7	27.7	27.7	27.7	32.1	36.7	41.3	46.1	45.5	44.9
85°	71.9	72.9	73.4	73.5	73.2	79.3	85.4	91.4	97.2	93.2	88.7
82.5°	114.5	116.6	118.6	120.7	122.8	129.1	135.4	141.3	146.8	148.7	150.3
80°	149.9	153.8	156.7	159.0	160.7	166.1	171.9	177.4	182.7	188.3	193.9
77.5°	184.2	185.5	184.8	183.0	180.1	180.9	182.2	182.8	182.9	185.8	189.1
75°	208.0	205.3	197.1	187.8	177.3	170.8	166.1	161.1	155.9	155.0	155.4
72.5°	213.3	202.4	189.1	172.5	156.1	144.7	137.0	129.6	122.5	119.0	117.0
70°	202.0	181.2	163.2	145.4	128.0	115.1	107.4	100.4	94.0	89.9	87.0
67.5°	181.9	156.2	137.3	119.0	102.0	88.7	82.0	75.8	70.2	66.0	63.0
65°	161.5	134.2	115.9	98.3	81.2	68.1	62.9	57.8	52.9	49.2	47.1
62.5°	150.2	121.6	102.6	87.2	71.7	56.5	51.2	46.0	40.8	36.8	35.0
60°	154.1	121.7	98.7	84.4	68.4	50.8	44.2	39.4	34.1	29.3	27.6
57.5°	178.3	142.9	108.5	102.9	86.7	60.8	63.2	73.6	65.8	45.4	43.1
55°	272.8	264.0	172.8	223.6	260.1	245.0	228.8	302.9	339.0	340.9	374.4
52.5°	542.1	606.1	582.2	609.9	760.4	821.2	813.2	945.6	1014.3	1005.0	1040.8
50°	1141.4	1272.3	1433.6	1459.6	1711.8	1886.8	1928.9	2082.4	2252.7	2317.9	2391.2
47.5°	2227.5	2534.4	2690.1	2865.7	3156.1	3474.2	3720.7	3941.5	4180.7	4344.3	4541.7
45°	3628.4	3845.3	4116.3	4524.1	4967.3	5382.5	5772.5	6127.9	6362.3	6571.3	6793.2
42.5°	4781.1	5127.4	5581.9	6190.2	6820.8	7246.9	7567.8	7910.3	8276.5	8624.6	8945.5
40°	5961.2	6362.5	7083.7	7773.0	8243.5	8654.9	9094.0	9558.8	10037.5	10494.2	10948.3
37.5°	7226.0	7819.3	8450.7	9053.2	9551.0	9940.1	10542.0	11056.8	11536.5	12216.6	12840.3
35°	8571.9	9216.6	9759.1	10448.3	11004.9	11484.9	12114.6	12763.0	13178.2	14111.1	14918.7
32.5°	9910.9	10662.3	11385.6	12040.0	12730.8	13470.8	14083.7	14973.2	15649.9	16542.2	17419.3
30°	11306.1	12336.1	13239.0	13957.2	14898.1	15854.8	16714.7	17762.2	18759.7	19590.1	20519.8
27.5°	13066.6	14211.8	15313.0	16419.7	17424.9	18619.6	19988.4	21096.4	22373.4	23278.8	24251.1
25°	14934.4	16298.7	17763.3	19190.0	20508.6	22054.1	23606.0	24959.7	26283.2	27326.5	28365.6
22.5°	16965.6	18615.3	20358.5	22154.4	23937.1	25630.2	27296.1	28971.3	30496.9	31930.9	32929.8
20°	19028.3	20860.4	22977.2	25141.0	27193.7	29104.8	31106.6	33225.1	35163.6	36825.4	38056.0
17.5°	20889.1	23187.1	25515.3	27889.4	30204.4	32566.3	35049.9	37541.5	39836.8	41782.9	43416.8
15°	22565.4	25169.1	27864.4	30543.0	33205.1	35924.5	38826.6	41511.1	44083.8	46315.7	48225.9
12.5°	24218.4	26999.4	29888.7	32891.9	36048.0	38992.4	41947.0	44841.8	47537.8	50132.3	52045.9
10°	25681.4	28684.2	31777.4	34995.8	38264.5	41458.8	44573.2	47590.8	50239.7	52689.6	55004.6
7.5°	26873.5	30093.9	33395.3	36780.2	40144.4	43379.0	46551.0	49566.5	52255.2	54765.7	57133.1
5°	27901.7	31317.3	34724.5	38097.7	41482.7	44837.7	48040.2	51013.6	53814.1	56423.0	58795.5
2.5°	28740.8	32302.2	35754.5	39076.8	42448.2	45882.4	49165.6	52038.3	54965.7	57619.1	59954.4
0°	29370.3	32965.5	36307.5	39659.5	43072.7	46545.2	49847.7	52661.7	55641.9	58477.7	60698.4
-2.5°	29714.7	33098.8	36425.2	39788.3	43304.3	46876.5	50174.3	53207.4	56170.5	58828.7	60893.4
-5°	29834.4	33163.3	36477.8	39901.5	43387.1	46903.1	50189.7	53230.8	56076.2	58562.6	60445.7
-7.5°	29754.0	33050.3	36331.6	39721.7	43185.2	46659.1	49893.0	52801.9	55542.1	57897.1	59694.0
-10°	29511.7	32703.7	35986.2	39320.5	42791.4	46221.1	49390.3	52014.6	54630.9	56840.3	58539.4
-12.5°	29111.1	32167.3	35404.6	38665.0	42070.4	45367.2	48320.4	50933.4	53271.2	55509.1	56996.3
-15°	28542.7	31489.4	34584.4	37777.1	41003.4	44192.7	47072.2	49597.8	51763.6	53529.0	55095.1
-17.5°	27830.0	30673.1	33638.9	36698.2	39694.2	42728.5	45397.0	47928.1	50011.3	51582.9	52798.2
-20°	26952.6	29711.7	32547.9	35468.8	38252.4	40833.1	43405.6	45759.1	47818.3	49355.0	50523.0



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	26026.5	28629.6	31316.6	33950.3	36485.2	38911.2	41241.0	43401.1	45359.1	46812.1	47929.9
-25°	24972.7	27407.2	29891.6	32270.2	34585.3	36843.9	38955.7	40957.3	42666.5	44079.9	45117.7
-27.5°	23818.7	26085.5	28327.9	30540.0	32688.0	34640.5	36583.5	38390.3	39893.5	41193.3	42112.4
-30°	22557.5	24630.6	26732.2	28805.8	30663.9	32422.8	34149.1	35717.5	37095.4	38236.7	39061.0
-32.5°	21227.5	23121.5	25070.8	26945.8	28575.2	30162.1	31667.4	33042.3	34305.8	35314.3	36057.6
-35°	19852.4	21607.1	23357.6	24978.8	26497.6	27909.2	29206.3	30424.8	31471.5	32390.8	33119.6
-37.5°	18499.9	20080.4	21599.6	23015.1	24418.4	25713.0	26846.0	27915.2	28866.8	29633.5	30272.4
-40°	17173.4	18572.4	19865.8	21125.8	22379.7	23475.6	24504.4	25426.4	26268.6	27001.1	27568.7
-42.5°	15854.8	17059.5	18175.9	19309.8	20393.9	21344.2	22240.1	23039.0	23769.8	24426.2	24976.5
-45°	14531.4	15561.7	16555.3	17552.2	18452.4	19298.9	20077.5	20779.4	21432.3	21985.1	22436.3
-47.5°	13179.7	14093.7	14996.3	15860.2	16607.0	17338.3	18008.7	18639.2	19227.5	19724.6	20123.3
-50°	11889.1	12696.9	13505.1	14219.2	14847.1	15456.2	16023.5	16632.2	17176.8	17629.7	17959.1
-52.5°	10677.4	11407.9	12102.5	12687.4	13218.1	13693.8	14129.5	14695.1	15207.6	15652.4	15944.6
-55°	9573.9	10199.1	10794.6	11277.8	11721.0	12117.7	12513.2	12967.7	13381.5	13751.6	13995.7
-57.5°	8535.2	9065.2	9560.6	9967.4	10337.1	10668.7	11036.0	11415.9	11755.3	12047.3	12243.9
-60°	7550.4	8001.5	8412.5	8747.2	9054.3	9333.5	9683.0	10014.7	10308.0	10546.2	10693.0
-62.5°	6621.5	7026.0	7345.6	7614.7	7860.1	8095.3	8400.7	8687.2	8951.8	9163.1	9286.0
-65°	5771.0	6125.2	6362.7	6575.7	6769.1	6981.0	7240.7	7473.7	7680.4	7837.3	7944.2
-67.5°	4995.6	5275.9	5463.1	5632.4	5798.0	5979.3	6199.8	6403.2	6589.2	6718.5	6798.4
-70°	4273.3	4489.4	4641.2	4785.1	4923.4	5078.9	5259.5	5427.6	5582.8	5683.2	5746.9
-72.5°	3599.5	3764.2	3889.6	4013.5	4125.1	4258.3	4405.6	4543.5	4671.6	4747.0	4795.5
-75°	2970.9	3097.1	3199.8	3294.9	3382.1	3494.2	3613.5	3725.4	3829.7	3887.2	3924.4
-77.5°	2387.8	2484.5	2561.9	2632.7	2696.9	2785.8	2877.6	2963.8	3044.2	3095.5	3136.7
-80°	1894.2	1952.6	2000.1	2044.4	2085.3	2151.8	2219.1	2282.5	2342.0	2375.5	2402.0
-82.5°	1455.0	1490.5	1518.8	1543.6	1564.9	1611.2	1657.4	1701.1	1742.3	1763.9	1782.3
-85°	1096.7	1115.8	1131.9	1146.2	1158.8	1191.0	1222.8	1253.5	1283.1	1289.3	1293.8
-87.5°	850.3	860.7	870.5	880.1	889.3	913.1	936.9	960.5	983.9	988.0	991.7
-90°	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.4	5.9	5.4	5.0



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	861.8	866.2	863.2	860.2	863.2	866.2	861.8	857.3	852.9	848.4	828.6
87.5°	44.2	43.4	43.5	43.5	43.5	43.4	44.2	44.9	45.5	46.1	41.3
85°	83.9	78.9	75.1	71.2	75.1	78.9	83.9	88.7	93.2	97.2	91.4
82.5°	151.9	153.3	153.0	152.3	153.0	153.3	151.9	150.3	148.7	146.8	141.3
80°	199.4	204.8	206.4	207.6	206.4	204.8	199.4	193.9	188.3	182.7	177.4
77.5°	192.5	195.8	196.8	197.8	196.8	195.8	192.5	189.1	185.8	182.9	182.8
75°	156.0	157.0	156.4	156.2	156.4	157.0	156.0	155.4	155.0	155.9	161.1
72.5°	115.2	113.9	113.0	112.7	113.0	113.9	115.2	117.0	119.0	122.5	129.6
70°	84.4	82.2	80.4	79.1	80.4	82.2	84.4	87.0	89.9	94.0	100.4
67.5°	60.5	58.3	56.6	55.4	56.6	58.3	60.5	63.0	66.0	70.2	75.8
65°	45.5	44.2	42.7	41.5	42.7	44.2	45.5	47.1	49.2	52.9	57.8
62.5°	33.5	32.3	31.7	31.6	31.7	32.3	33.5	35.0	36.8	40.8	46.0
60°	26.0	24.4	23.8	23.7	23.8	24.4	26.0	27.6	29.3	34.1	39.4
57.5°	38.9	33.3	29.9	27.7	29.9	33.3	38.9	43.1	45.4	65.8	73.6
55°	392.2	393.3	401.2	409.3	401.2	393.3	392.2	374.4	340.9	339.0	302.9
52.5°	1068.3	1064.8	1055.1	1036.2	1055.1	1064.8	1068.3	1040.8	1005.0	1014.3	945.6
50°	2435.2	2400.8	2326.3	2220.8	2326.3	2400.8	2435.2	2391.2	2317.9	2252.7	2082.4
47.5°	4807.5	5006.4	5144.0	5204.9	5144.0	5006.4	4807.5	4541.7	4344.3	4180.7	3941.5
45°	7024.1	7142.0	7210.9	7265.5	7210.9	7142.0	7024.1	6793.2	6571.3	6362.3	6127.9
42.5°	9218.8	9405.7	9497.8	9482.3	9497.8	9405.7	9218.8	8945.5	8624.6	8276.5	7910.3
40°	11384.7	11776.0	12097.2	12327.9	12097.2	11776.0	11384.7	10948.3	10494.2	10037.5	9558.8
37.5°	13457.2	14039.9	14532.2	14888.9	14532.2	14039.9	13457.2	12840.3	12216.6	11536.5	11056.8
35°	15579.4	16093.3	16430.5	16577.7	16430.5	16093.3	15579.4	14918.7	14111.1	13178.2	12763.0
32.5°	17978.7	18264.2	18324.7	18478.1	18324.7	18264.2	17978.7	17419.3	16542.2	15649.9	14973.2
30°	21085.9	21382.7	21390.0	21582.8	21390.0	21382.7	21085.9	20519.8	19590.1	18759.7	17762.2
27.5°	25017.6	25517.4	25679.7	25850.3	25679.7	25517.4	25017.6	24251.1	23278.8	22373.4	21096.4
25°	29227.7	29693.6	29842.8	29785.6	29842.8	29693.6	29227.7	28365.6	27326.5	26283.2	24959.7
22.5°	33953.1	34557.2	34777.0	34666.2	34777.0	34557.2	33953.1	32929.8	31930.9	30496.9	28971.3
20°	39242.0	40114.0	40574.8	40782.7	40574.8	40114.0	39242.0	38056.0	36825.4	35163.6	33225.1
17.5°	44808.9	46093.8	46683.8	46857.7	46683.8	46093.8	44808.9	43416.8	41782.9	39836.8	37541.5
15°	49873.3	50995.2	51760.3	52153.5	51760.3	50995.2	49873.3	48225.9	46315.7	44083.8	41511.1
12.5°	53789.2	55219.1	56410.8	57049.9	56410.8	55219.1	53789.2	52045.9	50132.3	47537.8	44841.8
10°	56981.2	58424.9	59508.6	60034.0	59508.6	58424.9	56981.2	55004.6	52689.6	50239.7	47590.8
7.5°	59189.7	60531.4	61372.7	61716.9	61372.7	60531.4	59189.7	57133.1	54765.7	52255.2	49566.5
5°	60617.1	61900.0	62521.9	62745.2	62521.9	61900.0	60617.1	58795.5	56423.0	53814.1	51013.6
2.5°	61644.9	62660.0	63158.0	63190.1	63158.0	62660.0	61644.9	59954.4	57619.1	54965.7	52038.3
0°	62114.4	63028.0	63573.8	63563.9	63573.8	63028.0	62114.4	60698.4	58477.7	55641.9	52661.7
-2.5°	62137.1	62932.0	63319.8	63101.1	63319.8	62932.0	62137.1	60893.4	58828.7	56170.5	53207.4
-5°	61694.0	62471.9	62762.6	62695.8	62762.6	62471.9	61694.0	60445.7	58562.6	56076.2	53230.8
-7.5°	60898.3	61588.5	61885.3	61894.9	61885.3	61588.5	60898.3	59694.0	57897.1	55542.1	52801.9
-10°	59685.0	60261.7	60601.6	60504.6	60601.6	60261.7	59685.0	58539.4	56840.3	54630.9	52014.6
-12.5°	58079.9	58649.2	58937.4	58879.1	58937.4	58649.2	58079.9	56996.3	55509.1	53271.2	50933.4
-15°	56159.9	56701.0	56971.0	56945.1	56971.0	56701.0	56159.9	55095.1	53529.0	51763.6	49597.8
-17.5°	53782.9	54325.2	54601.7	54639.3	54601.7	54325.2	53782.9	52798.2	51582.9	50011.3	47928.1
-20°	51291.8	51770.0	52023.3	52027.0	52023.3	51770.0	51291.8	50523.0	49355.0	47818.3	45759.1



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	48709.4	49246.5	49547.1	49501.6	49547.1	49246.5	48709.4	47929.9	46812.1	45359.1	43401.1
-25°	45831.2	46369.4	46661.6	46650.0	46661.6	46369.4	45831.2	45117.7	44079.9	42666.5	40957.3
-27.5°	42758.5	43275.8	43557.8	43592.8	43557.8	43275.8	42758.5	42112.4	41193.3	39893.5	38390.3
-30°	39663.4	40173.4	40449.6	40472.2	40449.6	40173.4	39663.4	39061.0	38236.7	37095.4	35717.5
-32.5°	36630.5	37091.0	37346.2	37373.4	37346.2	37091.0	36630.5	36057.6	35314.3	34305.8	33042.3
-35°	33671.6	34076.2	34305.2	34379.4	34305.2	34076.2	33671.6	33119.6	32390.8	31471.5	30424.8
-37.5°	30791.7	31157.5	31378.6	31514.0	31378.6	31157.5	30791.7	30272.4	29633.5	28866.8	27915.2
-40°	28010.1	28330.6	28506.9	28510.1	28506.9	28330.6	28010.1	27568.7	27001.1	26268.6	25426.4
-42.5°	25384.3	25654.1	25788.9	25791.0	25788.9	25654.1	25384.3	24976.5	24426.2	23769.8	23039.0
-45°	22799.7	23063.6	23250.5	23368.5	23250.5	23063.6	22799.7	22436.3	21985.1	21432.3	20779.4
-47.5°	20427.4	20643.8	20792.1	20872.9	20792.1	20643.8	20427.4	20123.3	19724.6	19227.5	18639.2
-50°	18200.6	18373.6	18500.1	18575.0	18500.1	18373.6	18200.6	17959.1	17629.7	17176.8	16632.2
-52.5°	16142.8	16269.1	16314.4	16285.0	16314.4	16269.1	16142.8	15944.6	15652.4	15207.6	14695.1
-55°	14178.7	14304.6	14354.9	14337.1	14354.9	14304.6	14178.7	13995.7	13751.6	13381.5	12967.7
-57.5°	12398.6	12510.2	12599.5	12654.2	12599.5	12510.2	12398.6	12243.9	12047.3	11755.3	11415.9
-60°	10808.6	10891.2	10947.3	10969.4	10947.3	10891.2	10808.6	10693.0	10546.2	10308.0	10014.7
-62.5°	9372.2	9423.6	9463.5	9480.3	9463.5	9423.6	9372.2	9286.0	9163.1	8951.8	8687.2
-65°	8029.4	8092.1	8084.6	8040.7	8084.6	8092.1	8029.4	7944.2	7837.3	7680.4	7473.7
-67.5°	6858.7	6899.5	6934.6	6953.0	6934.6	6899.5	6858.7	6798.4	6718.5	6589.2	6403.2
-70°	5795.6	5829.0	5841.5	5837.7	5841.5	5829.0	5795.6	5746.9	5683.2	5582.8	5427.6
-72.5°	4832.1	4856.5	4861.3	4852.9	4861.3	4856.5	4832.1	4795.5	4747.0	4671.6	4543.5
-75°	3950.9	3967.1	3975.3	3974.8	3975.3	3967.1	3950.9	3924.4	3887.2	3829.7	3725.4
-77.5°	3171.0	3198.3	3186.7	3166.0	3186.7	3198.3	3171.0	3136.7	3095.5	3044.2	2963.8
-80°	2423.6	2440.3	2431.2	2416.5	2431.2	2440.3	2423.6	2402.0	2375.5	2342.0	2282.5
-82.5°	1798.2	1811.4	1796.3	1777.8	1796.3	1811.4	1798.2	1782.3	1763.9	1742.3	1701.1
-85°	1297.0	1298.9	1297.7	1295.3	1297.7	1298.9	1297.0	1293.8	1289.3	1283.1	1253.5
-87.5°	995.1	998.2	995.6	992.7	995.6	998.2	995.1	991.7	988.0	983.9	960.5
-90°	4.5	4.0	5.0	5.9	5.0	4.0	4.5	5.0	5.4	5.9	6.4



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	808.9	789.1	769.3	760.9	752.5	744.0	735.6	708.9	682.3	655.6	628.9
87.5°	36.7	32.1	27.7	27.7	27.7	27.7	27.7	25.6	23.7	21.9	20.3
85°	85.4	79.3	73.2	73.5	73.4	72.9	71.9	66.3	60.7	54.9	49.1
82.5°	135.4	129.1	122.8	120.7	118.6	116.6	114.5	108.8	102.9	96.6	90.1
80°	171.9	166.1	160.7	159.0	156.7	153.8	149.9	143.7	136.8	129.5	121.6
77.5°	182.2	180.9	180.1	183.0	184.8	185.5	184.2	179.3	172.3	164.5	154.8
75°	166.1	170.8	177.3	187.8	197.1	205.3	208.0	206.3	202.7	197.4	187.8
72.5°	137.0	144.7	156.1	172.5	189.1	202.4	213.3	221.3	226.0	227.0	219.6
70°	107.4	115.1	128.0	145.4	163.2	181.2	202.0	222.1	239.9	248.9	244.4
67.5°	82.0	88.7	102.0	119.0	137.3	156.2	181.9	208.3	231.7	251.2	259.1
65°	62.9	68.1	81.2	98.3	115.9	134.2	161.5	189.0	216.9	243.8	261.9
62.5°	51.2	56.5	71.7	87.2	102.6	121.6	150.2	179.0	205.4	231.8	259.3
60°	44.2	50.8	68.4	84.4	98.7	121.7	154.1	181.4	203.1	239.3	268.8
57.5°	63.2	60.8	86.7	102.9	108.5	142.9	178.3	200.4	222.8	270.3	295.2
55°	228.8	245.0	260.1	223.6	172.8	264.0	272.8	252.9	294.2	331.6	366.5
52.5°	813.2	821.2	760.4	609.9	582.2	606.1	542.1	517.4	490.8	532.5	510.5
50°	1928.9	1886.8	1711.8	1459.6	1433.6	1272.3	1141.4	999.6	1001.2	940.7	808.3
47.5°	3720.7	3474.2	3156.1	2865.7	2690.1	2534.4	2227.5	1824.7	1798.4	1576.9	1376.5
45°	5772.5	5382.5	4967.3	4524.1	4116.3	3845.3	3628.4	3221.9	2829.9	2565.3	2109.2
42.5°	7567.8	7246.9	6820.8	6190.2	5581.9	5127.4	4781.1	4445.5	4040.5	3656.8	3203.1
40°	9094.0	8654.9	8243.5	7773.0	7083.7	6362.5	5961.2	5521.0	5106.3	4673.1	4213.5
37.5°	10542.0	9940.1	9551.0	9053.2	8450.7	7819.3	7226.0	6688.8	6109.0	5623.0	5100.5
35°	12114.6	11484.9	11004.9	10448.3	9759.1	9216.6	8571.9	7900.8	7248.8	6582.8	5986.6
32.5°	14083.7	13470.8	12730.8	12040.0	11385.6	10662.3	9910.9	9120.3	8428.7	7652.1	6894.3
30°	16714.7	15854.8	14898.1	13957.2	13239.0	12336.1	11306.1	10509.6	9679.8	8760.6	7830.2
27.5°	19988.4	18619.6	17424.9	16419.7	15313.0	14211.8	13066.6	11979.6	10994.5	9940.8	8857.6
25°	23606.0	22054.1	20508.6	19190.0	17763.3	16298.7	14934.4	13624.2	12395.5	11160.8	9831.6
22.5°	27296.1	25630.2	23937.1	22154.4	20358.5	18615.3	16965.6	15291.4	13798.2	12338.6	10869.6
20°	31106.6	29104.8	27193.7	25141.0	22977.2	20860.4	19028.3	17051.0	15229.7	13533.6	11899.5
17.5°	35049.9	32566.3	30204.4	27889.4	25515.3	23187.1	20889.1	18707.1	16647.1	14707.2	12896.3
15°	38826.6	35924.5	33205.1	30543.0	27864.4	25169.1	22565.4	20206.3	18043.0	15901.4	13876.2
12.5°	41947.0	38992.4	36048.0	32891.9	29888.7	26999.4	24218.4	21646.6	19288.5	16921.3	14703.1
10°	44573.2	41458.8	38264.5	34995.8	31777.4	28684.2	25681.4	22817.6	20187.6	17748.6	15442.2
7.5°	46551.0	43379.0	40144.4	36780.2	33395.3	30093.9	26873.5	23815.4	20988.1	18447.8	16089.9
5°	48040.2	44837.7	41482.7	38097.7	34724.5	31317.3	27901.7	24676.8	21676.8	19020.9	16642.2
2.5°	49165.6	45882.4	42448.2	39076.8	35754.5	32302.2	28740.8	25376.8	22320.0	19536.5	17004.6
0°	49847.7	46545.2	43072.7	39659.5	36307.5	32965.5	29370.3	25893.8	22864.3	19955.3	17267.8
-2.5°	50174.3	46876.5	43304.3	39788.3	36425.2	33098.8	29714.7	26339.6	23207.6	20352.6	17634.3
-5°	50189.7	46903.1	43387.1	39901.5	36477.8	33163.3	29834.4	26569.7	23438.8	20612.7	17889.2
-7.5°	49893.0	46659.1	43185.2	39721.7	36331.6	33050.3	29754.0	26605.7	23576.9	20710.0	18016.1
-10°	49390.3	46221.1	42791.4	39320.5	35986.2	32703.7	29511.7	26507.1	23544.4	20680.9	18034.7
-12.5°	48320.4	45367.2	42070.4	38665.0	35404.6	32167.3	29111.1	26255.9	23335.2	20528.4	17946.6
-15°	47072.2	44192.7	41003.4	37777.1	34584.4	31489.4	28542.7	25747.4	22909.0	20245.3	17754.2
-17.5°	45397.0	42728.5	39694.2	36698.2	33638.9	30673.1	27830.0	25101.4	22416.9	19838.8	17398.4
-20°	43405.6	40833.1	38252.4	35468.8	32547.9	29711.7	26952.6	24377.7	21829.6	19320.8	16976.6



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	41241.0	38911.2	36485.2	33950.3	31316.6	28629.6	26026.5	23557.2	21128.9	18660.9	16469.2
-25°	38955.7	36843.9	34585.3	32270.2	29891.6	27407.2	24972.7	22617.4	20266.9	17957.1	15888.5
-27.5°	36583.5	34640.5	32688.0	30540.0	28327.9	26085.5	23818.7	21571.0	19317.2	17240.5	15281.7
-30°	34149.1	32422.8	30663.9	28805.8	26732.2	24630.6	22557.5	20474.2	18408.4	16450.3	14594.9
-32.5°	31667.4	30162.1	28575.2	26945.8	25070.8	23121.5	21227.5	19357.3	17442.8	15630.5	13918.6
-35°	29206.3	27909.2	26497.6	24978.8	23357.6	21607.1	19852.4	18150.1	16465.9	14763.0	13188.6
-37.5°	26846.0	25713.0	24418.4	23015.1	21599.6	20080.4	18499.9	16949.1	15402.5	13896.8	12421.5
-40°	24504.4	23475.6	22379.7	21125.8	19865.8	18572.4	17173.4	15737.3	14350.9	12992.6	11621.0
-42.5°	22240.1	21344.2	20393.9	19309.8	18175.9	17059.5	15854.8	14557.7	13277.7	12044.0	10848.5
-45°	20077.5	19298.9	18452.4	17552.2	16555.3	15561.7	14531.4	13367.7	12202.4	11112.2	10036.0
-47.5°	18008.7	17338.3	16607.0	15860.2	14996.3	14093.7	13179.7	12170.3	11174.3	10174.7	9242.5
-50°	16023.5	15456.2	14847.1	14219.2	13505.1	12696.9	11889.1	11062.4	10164.6	9299.1	8446.7
-52.5°	14129.5	13693.8	13218.1	12687.4	12102.5	11407.9	10677.4	9977.7	9208.2	8446.2	7688.8
-55°	12513.2	12117.7	11721.0	11277.8	10794.6	10199.1	9573.9	8947.7	8315.5	7618.3	6961.7
-57.5°	11036.0	10668.7	10337.1	9967.4	9560.6	9065.2	8535.2	7984.8	7443.2	6841.9	6244.4
-60°	9683.0	9333.5	9054.3	8747.2	8412.5	8001.5	7550.4	7076.6	6580.9	6088.6	5583.0
-62.5°	8400.7	8095.3	7860.1	7614.7	7345.6	7026.0	6621.5	6220.1	5801.0	5364.1	4952.4
-65°	7240.7	6981.0	6769.1	6575.7	6362.7	6125.2	5771.0	5421.1	5074.0	4716.5	4348.6
-67.5°	6199.8	5979.3	5798.0	5632.4	5463.1	5275.9	4995.6	4690.5	4396.2	4104.0	3793.4
-70°	5259.5	5078.9	4923.4	4785.1	4641.2	4489.4	4273.3	4024.1	3769.3	3520.3	3260.7
-72.5°	4405.6	4258.3	4125.1	4013.5	3889.6	3764.2	3599.5	3394.7	3183.6	2966.3	2749.3
-75°	3613.5	3494.2	3382.1	3294.9	3199.8	3097.1	2970.9	2804.2	2635.4	2465.0	2291.4
-77.5°	2877.6	2785.8	2696.9	2632.7	2561.9	2484.5	2387.8	2255.6	2131.5	2004.8	1875.4
-80°	2219.1	2151.8	2085.3	2044.4	2000.1	1952.6	1894.2	1793.0	1689.5	1589.1	1493.2
-82.5°	1657.4	1611.2	1564.9	1543.6	1518.8	1490.5	1455.0	1381.6	1307.1	1231.8	1155.9
-85°	1222.8	1191.0	1158.8	1146.2	1131.9	1115.8	1096.7	1048.7	999.8	950.0	899.6
-87.5°	936.9	913.1	889.3	880.1	870.5	860.7	850.3	818.0	785.7	753.3	720.9
-90°	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	600.2	571.6	542.9	514.2	485.0	455.9	426.7	397.5	364.4	331.3	298.1
87.5°	21.7	23.0	24.2	25.2	24.7	24.2	23.6	23.0	24.0	24.6	25.0
85°	45.9	43.3	41.2	39.7	37.5	34.6	33.5	32.3	33.7	34.5	34.7
82.5°	83.3	76.0	69.2	63.7	62.0	59.4	55.6	51.1	48.5	45.2	44.4
80°	111.7	102.2	93.2	86.0	85.0	84.3	80.4	75.5	71.5	66.6	60.7
77.5°	141.7	128.7	115.7	106.3	103.3	100.7	98.5	97.6	94.6	88.0	80.2
75°	173.1	157.8	142.6	132.1	126.2	116.8	112.8	113.2	116.5	109.8	99.7
72.5°	205.3	189.2	171.3	161.1	157.9	149.5	135.9	130.7	139.3	136.3	121.6
70°	234.2	221.0	203.6	199.2	195.1	184.2	171.5	167.9	164.2	164.0	151.0
67.5°	260.6	248.8	233.7	240.0	239.4	229.4	209.9	211.7	210.4	193.5	181.4
65°	268.9	269.7	266.3	283.1	286.7	277.8	259.2	262.2	258.6	241.9	212.7
62.5°	277.4	285.0	298.1	328.8	338.2	331.1	314.5	325.2	312.0	291.9	256.3
60°	286.8	301.1	337.6	376.1	393.0	388.5	384.8	392.4	379.3	343.5	305.4
57.5°	318.2	324.6	389.6	434.1	453.0	450.9	463.6	470.8	449.9	408.6	356.3
55°	369.9	394.5	467.2	508.1	525.3	519.7	554.5	558.6	526.7	478.9	410.9
52.5°	471.2	527.8	590.4	612.5	615.2	616.3	663.5	652.9	617.8	551.5	479.5
50°	698.5	748.2	781.4	768.3	727.1	762.5	786.1	771.5	713.8	630.8	551.3
47.5°	1178.1	1157.5	1072.1	978.9	904.2	934.9	948.8	902.4	814.7	723.4	624.6
45°	1916.7	1746.1	1516.3	1316.6	1158.2	1175.7	1140.4	1043.9	944.9	823.5	699.4
42.5°	2720.0	2462.6	2170.1	1699.3	1549.6	1455.9	1353.1	1234.2	1083.0	926.9	784.0
40°	3663.0	3219.9	2881.5	2373.8	1966.7	1762.1	1626.9	1445.8	1227.6	1039.5	876.0
37.5°	4554.5	4011.9	3587.9	3010.1	2426.7	2149.6	1923.8	1672.3	1382.3	1165.3	969.3
35°	5378.3	4781.2	4190.6	3584.3	2974.7	2538.4	2237.6	1925.0	1562.5	1289.9	1063.5
32.5°	6184.3	5490.5	4804.3	4125.7	3478.3	2927.7	2579.1	2147.5	1735.4	1413.2	1158.4
30°	7013.1	6203.5	5415.4	4649.5	3947.4	3361.4	2887.2	2356.2	1900.7	1534.7	1255.5
27.5°	7845.1	6907.0	6028.2	5189.1	4413.0	3758.5	3122.7	2550.7	2058.0	1661.7	1356.7
25°	8698.0	7648.7	6660.6	5728.4	4859.5	4064.1	3348.5	2731.8	2218.6	1795.5	1455.3
22.5°	9565.0	8400.9	7276.2	6254.0	5230.2	4372.0	3585.1	2922.1	2373.6	1922.1	1550.8
20°	10381.0	9141.8	7852.2	6675.9	5596.3	4690.7	3836.8	3101.6	2516.4	2041.2	1642.9
17.5°	11167.8	9808.2	8363.9	7088.9	5951.0	4983.5	4082.2	3269.7	2647.1	2152.8	1731.2
15°	11982.2	10392.1	8858.8	7468.7	6274.6	5250.5	4318.6	3425.6	2765.9	2256.6	1805.5
12.5°	12711.2	10959.5	9321.0	7813.5	6566.3	5491.4	4543.3	3568.6	2872.8	2348.0	1863.5
10°	13360.0	11500.6	9744.8	8121.5	6825.5	5706.5	4753.5	3714.3	2998.5	2430.1	1917.4
7.5°	13927.8	12004.7	10124.8	8391.2	7054.0	5885.1	4912.7	3880.3	3122.9	2506.3	1966.5
5°	14394.8	12421.9	10489.9	8702.5	7265.4	6030.3	5034.7	4032.1	3240.3	2575.5	2010.1
2.5°	14699.5	12706.1	10816.8	8991.7	7446.5	6153.0	5127.4	4168.8	3348.3	2636.8	2047.7
0°	14924.5	12915.3	11082.1	9239.0	7593.7	6251.0	5195.0	4289.3	3444.9	2689.4	2078.4
-2.5°	15214.2	13120.1	11247.6	9435.0	7799.6	6424.8	5309.9	4365.5	3512.6	2755.0	2129.5
-5°	15413.9	13254.1	11355.5	9582.5	7965.9	6567.8	5401.8	4424.2	3566.9	2810.4	2172.6
-7.5°	15553.4	13362.4	11427.5	9680.3	8090.9	6676.0	5468.4	4465.3	3607.7	2855.1	2207.4
-10°	15606.9	13420.8	11466.3	9709.3	8130.2	6727.2	5507.7	4488.7	3635.5	2888.8	2233.4
-12.5°	15564.5	13392.9	11436.5	9685.7	8118.1	6726.0	5522.6	4507.0	3651.1	2910.9	2250.3
-15°	15425.2	13275.5	11335.8	9608.8	8061.6	6691.6	5512.8	4511.4	3657.5	2918.5	2257.7
-17.5°	15177.0	13066.2	11162.7	9478.2	7960.1	6623.6	5478.2	4494.7	3647.9	2910.1	2252.4
-20°	14826.2	12791.3	10926.3	9294.0	7813.3	6522.2	5419.0	4456.3	3621.9	2888.8	2235.8



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	14407.4	12478.9	10699.4	9086.3	7641.7	6387.3	5335.2	4396.0	3579.1	2854.3	2210.3
-25°	13917.1	12112.9	10412.8	8860.2	7462.2	6268.2	5239.0	4313.4	3519.3	2806.5	2175.9
-27.5°	13431.1	11706.1	10061.0	8589.1	7271.0	6123.5	5129.1	4232.3	3447.1	2745.2	2132.6
-30°	12922.0	11263.3	9704.6	8292.3	7041.8	5959.1	4993.4	4132.1	3367.3	2680.7	2080.5
-32.5°	12327.9	10750.9	9316.7	8004.2	6813.3	5760.4	4832.4	4011.9	3271.3	2611.8	2030.8
-35°	11675.5	10235.2	8891.2	7676.0	6558.6	5558.7	4660.1	3871.6	3159.0	2532.7	1976.9
-37.5°	10982.0	9686.6	8492.5	7328.5	6261.3	5328.1	4486.8	3726.0	3030.7	2443.7	1915.6
-40°	10336.2	9122.3	8014.3	6960.4	5965.3	5069.0	4291.8	3572.8	2910.5	2344.9	1847.1
-42.5°	9646.1	8557.0	7526.0	6539.7	5651.8	4830.1	4079.4	3405.0	2791.4	2251.2	1771.5
-45°	8985.1	7968.5	7015.2	6143.4	5318.1	4569.0	3877.7	3227.5	2658.0	2156.3	1694.2
-47.5°	8296.8	7382.8	6519.9	5718.8	5003.4	4297.9	3661.0	3060.2	2510.7	2053.5	1616.8
-50°	7631.2	6802.1	6027.7	5316.1	4651.3	4043.4	3435.4	2876.1	2378.6	1938.4	1531.8
-52.5°	6960.2	6237.8	5550.0	4906.4	4324.4	3773.8	3209.0	2679.8	2234.9	1822.0	1439.4
-55°	6306.2	5694.6	5078.4	4514.0	3988.3	3488.7	2964.7	2503.1	2080.3	1700.6	1341.9
-57.5°	5695.9	5152.8	4628.2	4123.2	3642.9	3180.4	2733.6	2314.0	1927.0	1571.1	1255.2
-60°	5093.5	4643.4	4178.8	3726.8	3287.7	2883.8	2505.7	2119.3	1767.8	1438.9	1160.2
-62.5°	4539.9	4133.6	3733.4	3322.0	2949.4	2604.1	2269.3	1926.9	1600.2	1319.0	1059.0
-65°	4000.3	3643.0	3281.4	2950.7	2627.9	2321.7	2036.2	1725.2	1447.5	1193.2	960.4
-67.5°	3473.3	3176.3	2881.1	2585.3	2316.2	2054.1	1792.6	1538.6	1294.1	1062.0	875.6
-70°	2996.2	2732.4	2490.3	2254.9	2017.5	1785.4	1574.9	1354.9	1134.8	956.7	787.5
-72.5°	2541.8	2335.7	2131.8	1927.2	1737.1	1547.4	1358.6	1173.9	1007.9	848.7	696.5
-75°	2115.0	1955.6	1799.7	1639.9	1472.2	1307.4	1165.8	1024.7	878.2	737.5	619.9
-77.5°	1743.9	1612.6	1481.9	1360.4	1233.1	1109.6	990.1	871.6	753.0	647.4	547.0
-80°	1398.2	1303.0	1207.8	1111.3	1008.1	908.7	824.8	740.4	646.9	557.5	472.5
-82.5°	1081.8	1017.0	954.3	890.1	820.3	751.1	682.8	614.5	538.7	465.9	409.9
-85°	850.5	800.6	750.1	698.8	645.1	592.0	552.9	513.1	466.1	419.4	373.3
-87.5°	689.1	657.0	624.7	592.1	558.3	524.3	490.1	455.7	415.5	375.6	336.0
-90°	12.4	12.9	13.3	13.8	13.8	13.8	13.8	13.8	14.3	14.8	15.3



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	265.0	219.5	174.1	128.6	83.1	48.5	13.8
87.5°	25.0	24.3	23.2	21.8	20.1	17.6	13.8
85°	34.2	32.7	30.6	27.8	24.4	20.3	13.8
82.5°	43.5	41.2	38.0	33.8	28.8	23.1	13.8
80°	53.8	49.7	45.4	39.8	33.1	25.8	13.8
77.5°	71.6	61.6	52.7	45.8	37.4	28.6	13.8
75°	89.8	79.8	61.9	51.7	41.8	31.3	13.8
72.5°	108.5	98.3	79.1	57.6	46.2	34.0	13.8
70°	129.2	117.1	96.3	65.2	50.6	36.7	13.8
67.5°	160.8	136.3	113.7	79.8	55.1	39.4	13.8
65°	193.2	161.3	131.2	94.3	59.6	42.0	13.8
62.5°	226.6	192.3	148.8	108.8	64.1	44.7	13.8
60°	260.9	223.8	166.6	123.3	68.7	47.3	13.8
57.5°	308.2	255.8	193.7	137.7	79.2	49.8	13.8
55°	357.9	288.4	221.3	152.1	89.6	52.4	13.8
52.5°	408.5	323.2	249.0	166.4	99.9	54.9	13.8
50°	460.0	367.5	276.8	180.5	110.0	57.4	13.8
47.5°	514.1	412.1	304.6	196.3	119.9	59.8	13.8
45°	578.9	456.9	332.3	217.3	129.6	62.2	13.8
42.5°	644.1	501.7	360.0	238.0	139.1	64.5	13.8
40°	709.6	546.6	391.4	258.4	148.3	66.8	13.8
37.5°	775.3	591.3	426.3	278.2	157.2	69.0	13.8
35°	841.1	641.4	460.5	297.5	165.9	71.1	13.8
32.5°	910.2	693.6	494.1	316.0	174.2	73.2	13.8
30°	987.2	744.9	526.9	333.8	182.2	75.2	13.8
27.5°	1063.2	795.1	556.8	350.8	189.9	77.1	13.8
25°	1138.0	844.1	585.1	366.9	197.2	78.9	13.8
22.5°	1211.2	889.3	611.8	382.2	204.1	80.6	13.8
20°	1282.4	926.9	637.0	396.6	210.6	82.2	13.8
17.5°	1338.3	961.6	660.5	410.0	216.7	83.8	13.8
15°	1381.7	993.5	682.2	422.3	222.3	85.2	13.8
12.5°	1420.1	1022.4	702.1	433.6	227.4	86.5	13.8
10°	1453.5	1048.2	720.1	443.8	232.0	87.6	13.8
7.5°	1481.7	1070.8	736.1	452.8	236.1	88.7	13.8
5°	1505.0	1090.3	750.0	460.7	239.7	89.6	13.8
2.5°	1523.2	1106.4	761.7	467.3	242.7	90.4	13.8
0°	1536.5	1119.3	771.2	472.6	245.2	91.0	13.8
-2.5°	1573.5	1140.2	783.8	479.8	249.0	92.8	13.8
-5°	1605.0	1157.5	794.0	485.6	252.1	94.4	13.8
-7.5°	1630.7	1171.0	801.7	490.0	254.7	95.9	13.8
-10°	1650.1	1180.6	806.9	493.0	256.6	97.2	13.8
-12.5°	1662.7	1186.2	809.4	494.5	258.0	98.3	13.8
-15°	1668.0	1187.5	809.1	494.5	258.7	99.3	13.8
-17.5°	1665.8	1184.4	806.0	493.1	258.7	100.1	13.8
-20°	1656.7	1176.9	800.1	490.0	258.1	100.7	13.8



REPORT NUMBER: P731713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1642.1	1164.7	791.2	485.5	256.9	101.2	13.8
-25°	1621.1	1152.8	779.4	479.3	255.0	101.4	13.8
-27.5°	1593.6	1138.0	764.6	471.6	252.5	101.5	13.8
-30°	1559.8	1118.2	747.4	462.4	249.3	101.4	13.8
-32.5°	1519.6	1093.5	731.7	451.5	245.5	101.1	13.8
-35°	1482.1	1063.8	712.8	439.1	241.1	100.6	13.8
-37.5°	1442.0	1032.0	690.7	425.2	236.0	99.9	13.8
-40°	1395.4	1001.3	665.6	409.7	230.4	99.1	13.8
-42.5°	1342.4	966.4	642.2	393.7	224.1	98.0	13.8
-45°	1283.0	927.3	621.2	377.9	217.3	96.8	13.8
-47.5°	1217.5	884.1	597.7	360.4	209.8	95.4	13.8
-50°	1158.0	837.0	571.8	348.1	201.8	93.8	13.8
-52.5°	1095.4	786.0	543.5	336.6	193.3	92.1	13.8
-55°	1027.9	744.0	512.9	323.9	184.2	90.1	13.8
-57.5°	955.8	701.4	480.2	309.9	174.6	88.1	13.8
-60°	881.5	655.9	445.9	294.8	164.6	85.8	13.8
-62.5°	820.8	607.6	422.2	278.5	159.4	83.4	13.8
-65°	756.7	556.6	396.9	261.2	153.8	80.8	13.8
-67.5°	689.4	511.5	369.9	242.9	148.0	78.1	13.8
-70°	619.1	472.6	341.5	223.6	141.8	75.3	13.8
-72.5°	563.3	431.8	311.8	211.7	135.3	72.3	13.8
-75°	507.6	389.2	280.9	201.1	128.5	69.2	13.8
-77.5°	449.9	345.2	262.1	190.0	121.5	66.0	13.8
-80°	390.4	314.9	245.5	178.5	114.2	62.7	13.8
-82.5°	357.4	292.0	228.4	166.5	106.7	59.2	13.8
-85°	327.3	268.4	210.7	154.2	99.0	55.7	13.8
-87.5°	296.5	244.2	192.6	141.5	91.1	52.1	13.8
-90°	15.8	15.8	15.8	15.8	15.8	14.8	13.8

(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

