

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: P731640 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-7F-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731640 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-80-7F-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

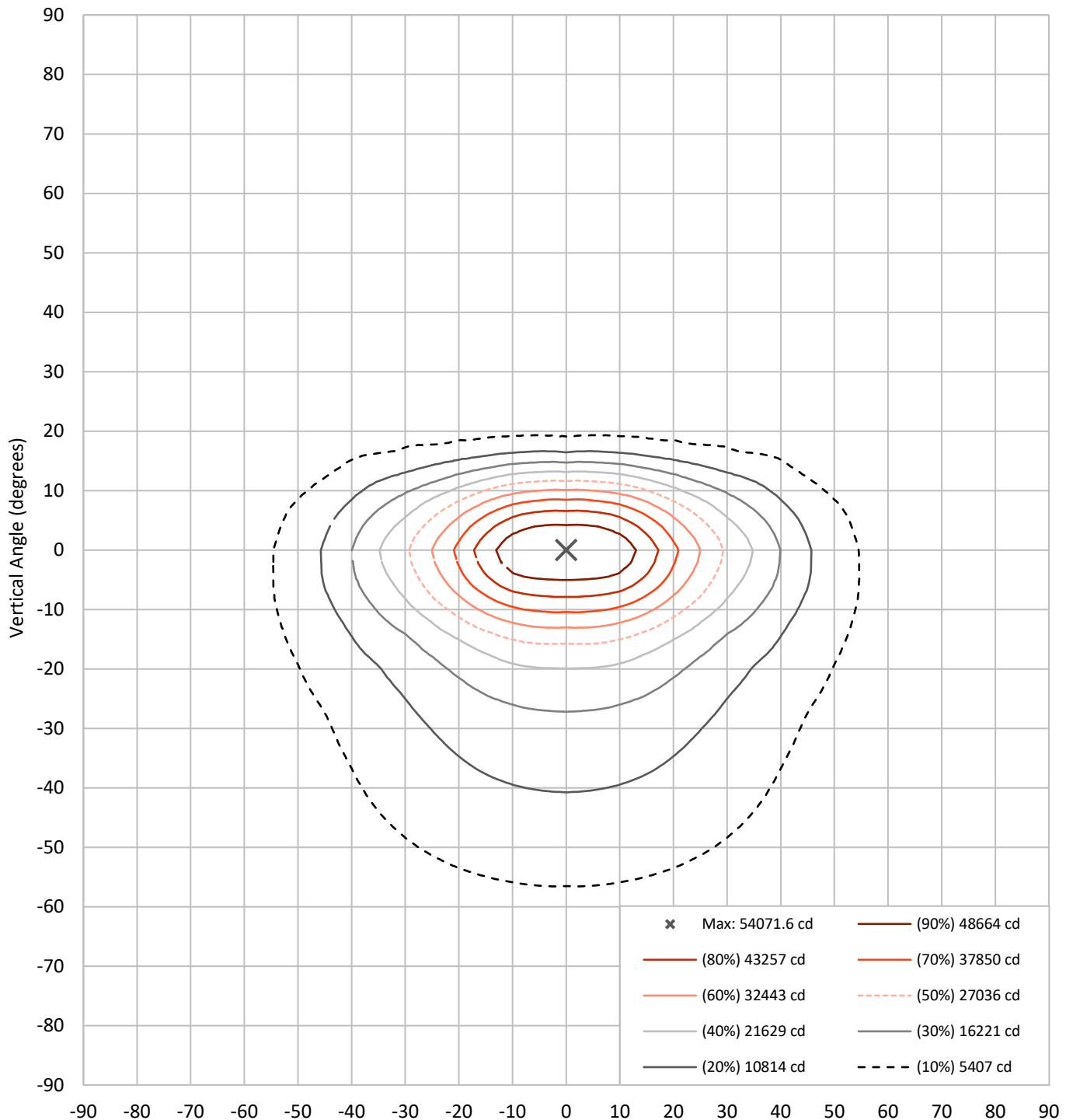
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	36382.9 lumens	Max Intensity:	54071.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	52.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 27.3°V	Field Angle (10%):	109.1°H x 75.6°V
Beam Lumens:	14362.5 lumens	Field Lumens:	32017.7 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%

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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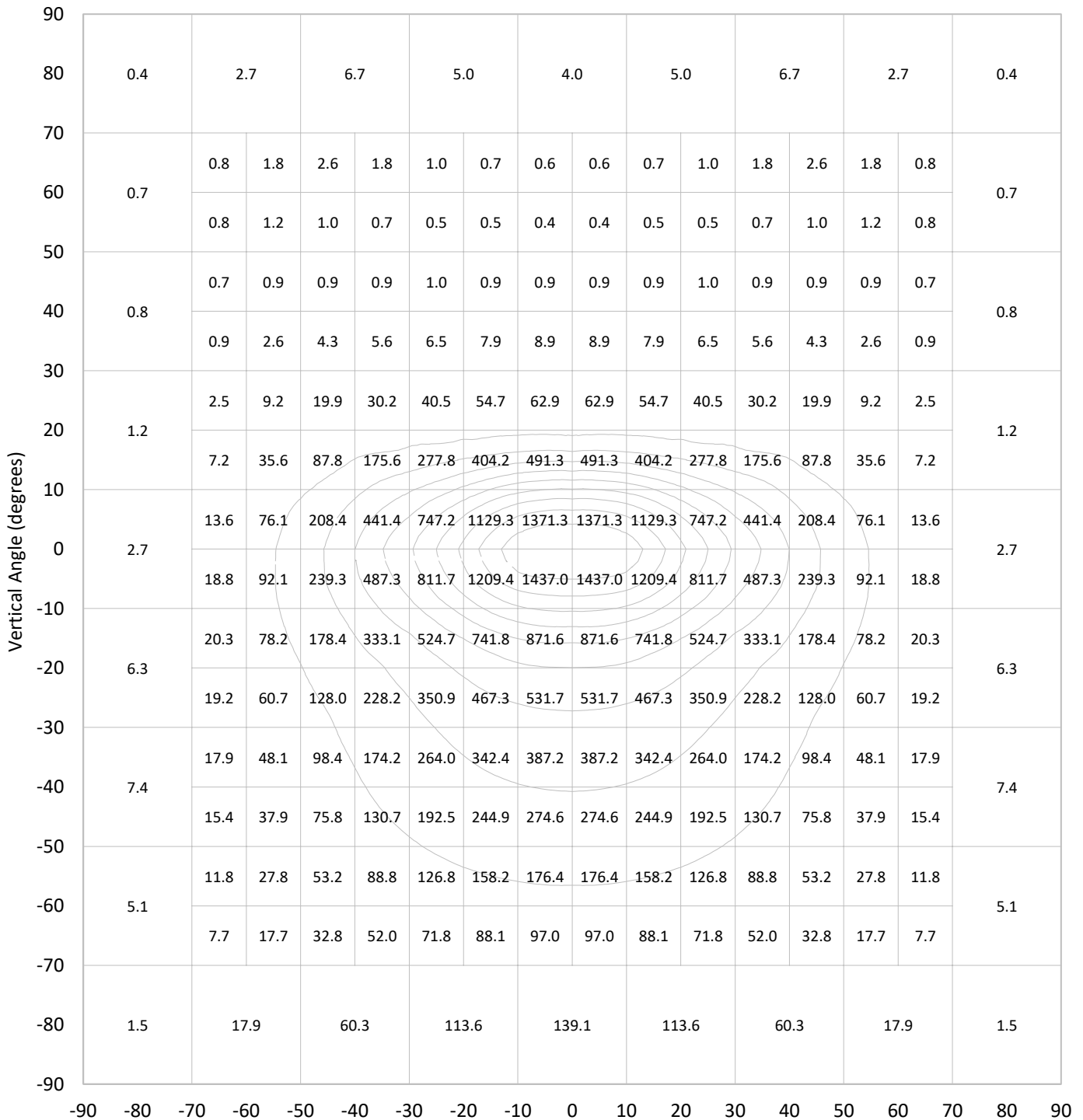
Iso-Candela Plot





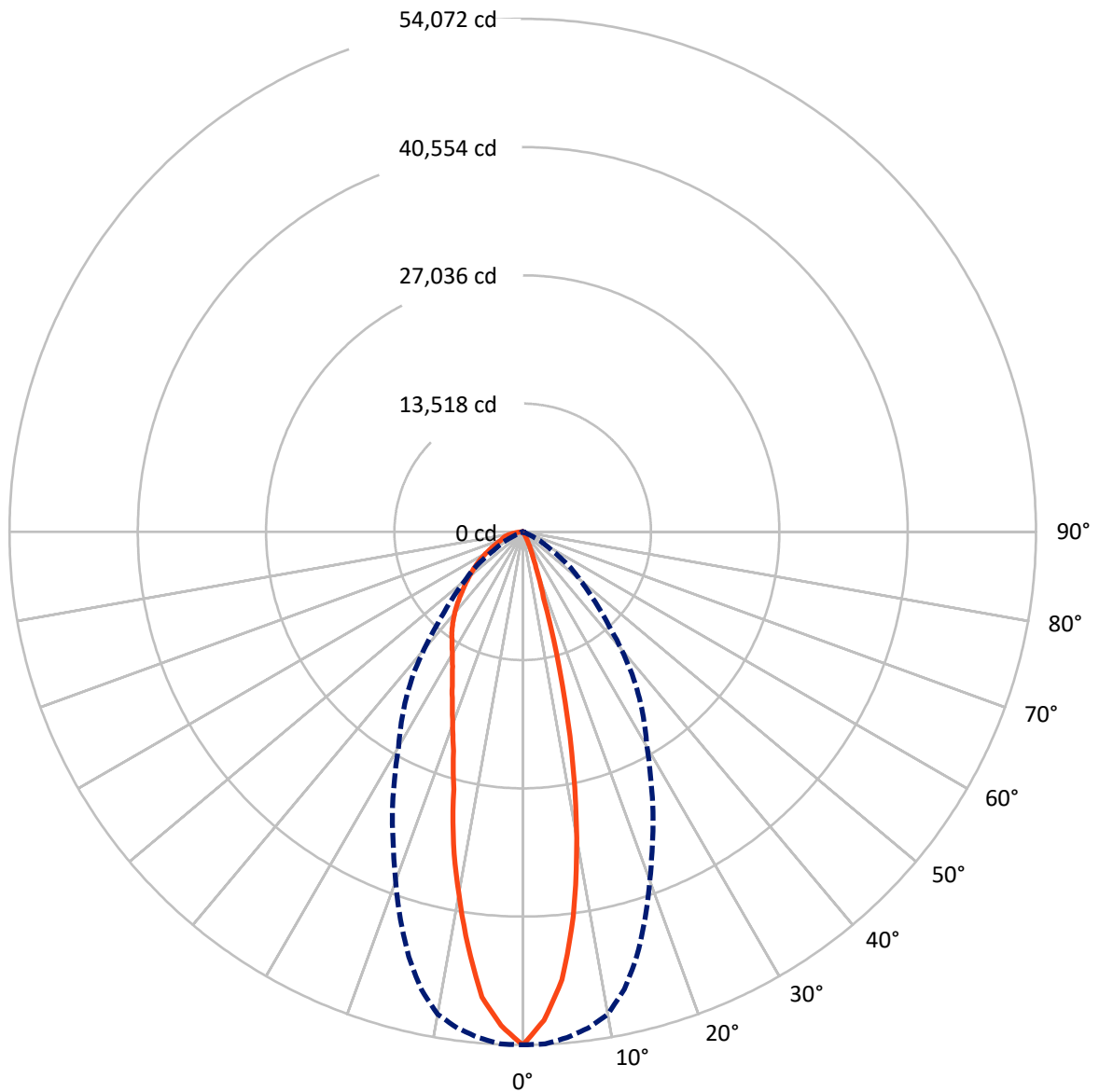
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Lumen Table



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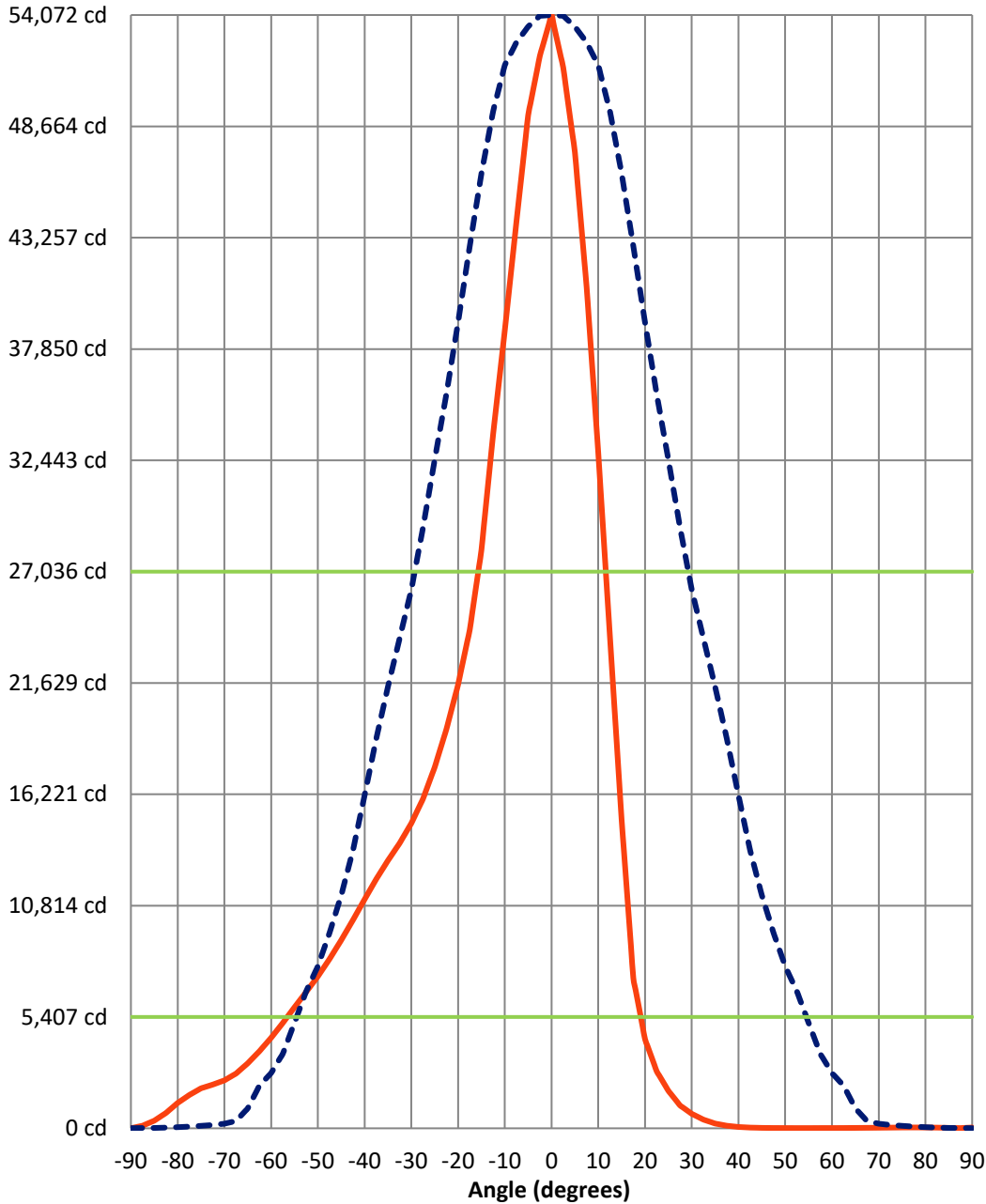
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 27.3°
 Lumens: 14362.5
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 32017.7
 Efficiency: 88.0%

Spill:
 Lumens: 4365.2
 Efficiency: 12.0%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.9	8.9	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8
87.5°	7.9	8.2	8.8	9.4	10.1	11.0	12.0	12.2	12.3	12.2	12.0
85°	7.9	8.6	9.6	10.8	12.3	14.0	16.0	16.5	16.6	16.6	16.2
82.5°	7.9	8.9	10.4	12.3	14.5	17.1	20.0	20.8	21.2	22.7	25.5
80°	7.9	9.3	11.3	13.7	16.7	20.1	23.7	24.8	27.3	31.6	37.6
77.5°	7.9	9.6	12.1	15.1	18.8	22.3	25.5	28.5	33.3	40.2	47.1
75°	7.9	9.9	12.9	16.5	20.5	23.3	27.2	31.9	38.5	44.1	49.9
72.5°	7.9	10.2	13.7	17.9	20.9	24.2	28.8	34.6	40.4	46.4	52.6
70°	7.9	10.5	14.4	18.9	21.1	24.9	30.2	36.0	42.1	48.4	54.5
67.5°	7.9	10.8	15.2	18.8	21.3	25.6	31.4	37.3	43.7	50.0	56.3
65°	7.9	11.1	15.9	18.7	21.5	26.4	32.6	38.5	45.0	51.4	58.5
62.5°	7.9	11.4	16.5	18.5	21.5	27.5	33.7	39.5	46.2	53.1	61.8
60°	7.9	11.7	17.2	18.3	21.5	28.6	34.8	40.5	47.3	55.6	64.9
57.5°	7.9	12.0	17.0	18.1	22.3	29.6	36.1	41.5	48.9	57.9	66.0
55°	7.9	12.2	16.9	17.8	23.2	30.6	37.5	42.8	50.5	59.5	66.2
52.5°	7.9	12.4	16.7	17.4	24.0	31.7	38.9	44.6	51.9	59.5	66.3
50°	7.9	12.7	16.6	17.0	24.9	33.0	40.4	46.5	52.7	59.4	63.1
47.5°	7.9	12.9	16.5	16.8	25.6	34.3	42.0	48.4	52.5	59.3	59.8
45°	7.9	13.0	16.4	17.3	26.4	35.7	43.6	50.3	53.7	56.9	57.1
42.5°	7.9	13.2	16.4	17.9	27.1	37.1	45.3	51.9	55.2	54.9	54.4
40°	7.9	13.4	16.4	18.7	28.0	38.4	46.9	53.3	56.5	53.6	52.1
37.5°	7.9	13.5	16.4	19.8	29.0	39.8	48.5	54.8	57.6	54.9	50.2
35°	7.9	13.6	16.4	20.8	30.0	41.1	50.0	56.5	59.1	57.3	50.5
32.5°	7.9	13.8	16.4	21.9	31.0	42.3	51.5	58.2	61.1	61.1	60.4
30°	7.9	13.9	16.4	22.9	31.9	43.4	52.9	60.1	63.5	66.1	72.8
27.5°	7.9	13.9	16.5	24.0	33.8	44.5	54.2	61.9	66.8	72.3	87.5
25°	7.9	14.0	16.6	25.0	36.0	45.6	55.6	64.0	71.6	82.7	105.9
22.5°	7.9	14.0	16.7	26.0	38.1	47.3	57.0	66.3	76.9	95.9	166.2
20°	7.9	14.1	16.8	27.0	40.2	51.0	58.4	68.7	82.9	110.1	234.9
17.5°	7.9	14.1	16.9	28.0	42.3	54.9	63.5	71.3	89.2	125.2	310.3
15°	7.9	14.1	17.0	28.9	44.4	58.9	71.1	78.4	95.9	140.8	390.6
12.5°	7.9	14.1	17.1	29.8	46.4	63.0	79.1	91.7	111.3	156.7	473.4
10°	7.9	14.0	17.3	30.7	48.3	67.1	87.3	105.5	133.8	194.0	566.1
7.5°	7.9	14.0	17.4	31.5	50.2	71.1	95.6	119.5	156.7	235.1	676.4
5°	7.9	13.9	17.5	32.2	51.9	75.1	103.9	133.6	179.5	276.3	782.5
2.5°	7.9	13.9	17.6	32.8	53.5	78.9	112.1	147.5	202.1	316.7	881.4
0°	7.9	13.8	17.7	33.4	55.0	82.5	119.9	161.1	224.0	355.6	970.6
-2.5°	7.9	14.1	19.1	37.5	64.3	100.4	151.2	212.7	302.3	463.7	1079.8
-5°	7.9	14.4	20.4	41.4	73.2	117.8	181.6	263.1	378.6	568.0	1176.7
-7.5°	7.9	14.6	21.7	45.2	81.8	134.6	210.8	311.4	451.7	667.4	1261.4
-10°	7.9	14.9	23.0	48.8	90.0	150.4	238.4	357.0	520.6	760.4	1334.3
-12.5°	7.9	15.1	24.1	52.1	97.5	165.0	263.9	399.2	584.2	842.4	1364.0
-15°	7.9	15.3	25.3	55.1	104.4	178.4	287.1	437.3	636.2	892.2	1370.4
-17.5°	7.9	15.5	26.3	57.7	110.5	190.2	307.5	470.4	675.9	935.7	1370.6
-20°	7.9	15.7	27.3	60.0	115.7	200.4	326.7	499.1	710.8	972.4	1365.7



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	15.8	28.1	61.9	120.0	208.7	346.0	523.7	740.8	1002.0	1356.7
-25°	7.9	15.9	28.9	63.4	123.3	219.4	362.5	544.0	765.5	1024.3	1344.7
-27.5°	7.9	16.0	29.5	64.4	125.6	229.7	376.0	559.7	784.7	1042.7	1363.1
-30°	7.9	16.0	30.0	64.9	127.2	237.7	386.3	570.6	800.1	1061.1	1374.0
-32.5°	7.9	16.1	30.4	64.9	131.3	243.4	393.3	580.4	810.3	1072.3	1375.4
-35°	7.9	16.1	30.6	64.3	133.9	246.6	398.7	586.7	814.0	1076.4	1367.4
-37.5°	7.9	16.0	30.8	63.3	134.9	248.1	401.4	588.5	811.1	1073.3	1322.7
-40°	7.9	15.9	30.7	61.7	134.4	248.6	400.4	585.7	801.7	1063.3	1276.0
-42.5°	7.9	15.8	30.6	60.2	133.4	246.6	395.7	578.3	790.9	1020.2	1222.6
-45°	7.9	15.7	30.3	59.2	132.2	242.0	387.3	567.1	776.8	968.7	1163.2
-47.5°	7.9	15.5	29.9	57.4	129.5	234.9	375.2	552.1	756.1	912.8	1100.1
-50°	7.9	15.3	29.3	56.8	125.5	225.2	361.9	532.3	711.3	861.1	1031.8
-52.5°	7.9	15.1	28.6	56.3	120.1	213.1	345.5	507.7	663.9	804.8	959.4
-55°	7.9	14.8	27.7	55.1	113.4	202.3	325.7	478.7	613.9	744.0	889.4
-57.5°	7.9	14.5	26.8	53.4	105.4	190.1	302.5	448.0	561.1	682.0	814.3
-60°	7.9	14.2	25.7	51.1	96.4	176.1	276.8	407.1	506.8	617.7	736.6
-62.5°	7.9	13.9	24.7	48.2	90.6	160.1	254.1	362.2	455.3	550.4	659.4
-65°	7.9	13.5	23.6	44.9	83.8	142.5	228.9	318.7	402.4	488.7	579.0
-67.5°	7.9	13.1	22.5	41.1	76.1	126.4	201.4	280.6	348.2	427.6	506.6
-70°	7.9	12.7	21.3	36.9	67.6	112.3	171.9	241.9	304.6	365.1	437.1
-72.5°	7.9	12.3	20.0	33.8	58.5	97.0	147.8	202.6	260.5	316.3	369.9
-75°	7.9	11.8	18.7	30.8	48.7	80.7	123.5	167.4	215.9	267.2	316.7
-77.5°	7.9	11.4	17.3	27.6	42.1	63.6	97.8	132.9	172.1	216.4	262.9
-80°	7.9	10.9	15.8	24.3	36.2	51.3	71.2	97.4	127.3	161.3	199.3
-82.5°	7.9	10.4	14.4	20.9	30.0	41.6	55.5	67.3	81.5	105.0	131.5
-85°	7.9	9.9	12.9	17.4	23.7	31.6	41.1	49.1	57.7	66.9	76.6
-87.5°	7.9	9.4	11.3	13.9	17.3	21.5	26.5	30.7	35.3	40.1	45.3
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



REPORT NUMBER: P731640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	14.3	14.8	15.2	15.7	17.2	18.7	20.1	21.6	24.1	26.5	29.0
87.5°	12.9	13.8	14.7	15.8	15.1	14.2	13.2	12.1	13.0	13.9	14.9
85°	17.8	19.6	22.1	24.2	24.1	24.2	24.6	25.2	26.9	28.3	29.4
82.5°	28.8	31.4	33.3	34.4	36.2	38.6	41.7	46.3	48.9	50.5	51.5
80°	41.2	43.4	45.1	48.3	54.2	60.9	68.3	76.3	78.9	79.2	78.4
77.5°	49.3	52.5	57.9	65.3	74.0	82.6	91.8	101.7	104.5	103.9	102.4
75°	54.7	61.1	69.1	79.1	89.8	100.8	112.3	122.9	126.0	122.8	118.6
72.5°	58.9	67.2	78.0	91.2	103.2	114.4	126.3	139.0	143.3	136.4	127.9
70°	61.8	72.4	85.4	99.2	113.0	125.1	136.2	148.4	155.3	143.6	126.7
67.5°	64.2	77.4	91.5	105.8	118.2	129.7	142.4	146.3	148.0	130.3	112.1
65°	67.8	81.9	94.8	107.4	120.7	124.5	127.2	129.9	127.1	107.0	87.2
62.5°	71.3	83.1	95.4	105.1	108.3	110.3	108.0	102.7	95.7	81.8	65.6
60°	72.4	82.7	90.7	93.7	94.6	90.5	84.3	78.0	70.6	59.1	48.0
57.5°	72.8	78.0	81.1	81.7	78.0	71.4	65.3	57.2	51.0	43.7	34.7
55°	71.1	70.0	71.4	69.0	63.6	56.7	49.5	43.9	36.6	32.3	27.1
52.5°	66.1	63.3	62.0	58.1	52.0	45.7	39.8	34.5	30.3	25.5	22.2
50°	61.8	58.0	53.9	49.2	44.5	40.3	33.7	29.9	26.3	22.6	19.7
47.5°	57.7	53.3	47.2	43.3	42.7	40.1	33.7	27.9	24.7	24.6	21.8
45°	54.2	50.5	43.4	44.2	45.5	45.4	40.8	27.3	30.3	30.9	29.4
42.5°	51.1	49.6	51.6	47.0	54.4	58.4	54.9	45.7	40.6	45.1	46.9
40°	51.5	50.8	68.0	67.5	68.5	79.2	84.3	77.8	59.9	71.0	76.0
37.5°	53.5	71.4	92.7	99.7	93.5	111.7	122.6	130.2	116.1	107.0	122.8
35°	56.8	97.1	128.9	143.8	144.6	155.1	183.6	195.3	186.0	171.7	184.4
32.5°	74.3	127.9	171.7	197.0	220.3	231.1	256.5	268.5	278.8	278.8	273.4
30°	111.2	168.5	221.3	256.0	311.9	362.9	351.8	354.4	392.0	430.3	448.9
27.5°	174.2	218.8	276.8	339.2	424.7	523.8	541.5	491.2	542.4	613.1	675.8
25°	253.4	370.9	335.8	438.4	580.8	718.2	791.2	826.0	756.2	859.1	1007.4
22.5°	363.0	563.9	565.6	546.5	756.3	948.3	1128.3	1300.6	1389.9	1278.0	1432.3
20°	510.6	770.1	853.2	945.4	1018.8	1210.0	1520.5	1896.8	2241.2	2436.3	2346.8
17.5°	680.3	995.3	1186.1	1433.0	1676.9	1781.3	1979.1	2595.1	3263.9	3833.2	4139.3
15°	867.0	1235.9	1546.1	1970.6	2409.3	2740.0	3082.7	3612.0	4494.8	5468.7	6248.5
12.5°	1065.6	1487.9	1926.4	2547.0	3198.7	3742.4	4353.5	5158.3	6176.8	7391.7	8661.8
10°	1270.2	1746.8	2319.7	3149.0	4028.2	4774.7	5649.2	6704.9	8005.3	9519.1	11115.4
7.5°	1486.9	2000.0	2707.4	3762.8	4879.5	5821.6	6952.3	8237.0	9815.0	11614.4	13538.9
5°	1696.9	2239.0	3030.5	4256.4	5570.4	6705.1	8139.5	9733.8	11584.1	13653.8	15921.8
2.5°	1892.7	2467.9	3336.6	4708.1	6131.0	7309.1	8844.9	10559.2	12646.4	15086.6	17709.7
0°	2068.9	2683.9	3621.1	5124.2	6648.9	7871.0	9492.0	11315.4	13490.4	16168.4	18925.1
-2.5°	2145.3	2796.6	3749.3	5186.2	6636.0	7881.2	9441.0	11301.1	13398.6	15951.9	18655.8
-5°	2199.4	2891.8	3850.4	5208.6	6580.3	7844.4	9332.1	11201.1	13106.9	15377.9	17800.4
-7.5°	2233.5	2967.4	3923.4	5170.4	6398.6	7556.4	8850.4	10442.5	12180.1	14201.7	16334.5
-10°	2240.7	2959.3	3813.9	4921.5	6045.6	7107.1	8260.3	9642.9	11196.6	12964.6	14818.8
-12.5°	2171.1	2877.5	3659.5	4654.9	5680.1	6640.4	7650.2	8824.8	10171.4	11691.3	13332.8
-15°	2095.6	2784.7	3493.6	4376.9	5311.1	6164.3	7030.7	8004.9	9199.6	10584.3	12000.0
-17.5°	2017.9	2682.8	3319.5	4093.9	4946.8	5686.1	6444.4	7369.7	8440.2	9607.0	10759.3
-20°	1941.7	2573.1	3140.5	3811.3	4592.9	5290.9	6030.5	6843.4	7742.1	8693.0	9609.1



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1870.2	2457.2	2975.0	3574.3	4288.7	4958.0	5618.6	6317.1	7061.3	7831.2	8797.8
-25°	1822.2	2345.9	2830.6	3386.2	4003.2	4620.9	5203.6	5804.0	6444.6	7296.2	8191.5
-27.5°	1792.5	2251.2	2703.7	3197.4	3729.9	4288.3	4815.6	5345.3	6059.5	6825.7	7618.1
-30°	1763.2	2156.9	2571.5	3018.9	3503.7	3988.0	4442.0	5040.4	5706.3	6407.4	7112.1
-32.5°	1707.5	2058.0	2451.0	2865.1	3293.5	3712.9	4186.9	4775.3	5386.1	6002.5	6638.6
-35°	1638.4	1970.6	2332.8	2708.8	3092.8	3507.6	3988.2	4506.2	5067.3	5640.8	6268.5
-37.5°	1578.1	1875.7	2210.2	2560.9	2920.7	3329.3	3771.0	4255.1	4766.4	5302.6	5902.0
-40°	1511.2	1773.3	2094.3	2423.0	2760.9	3142.7	3558.8	3998.7	4469.4	4982.1	5519.9
-42.5°	1439.4	1691.9	1974.8	2281.5	2602.8	2952.0	3329.9	3743.5	4182.7	4649.5	5142.1
-45°	1372.8	1604.3	1853.4	2139.8	2436.9	2754.5	3104.9	3476.2	3892.5	4322.2	4766.0
-47.5°	1298.8	1513.0	1748.8	1988.5	2266.8	2559.6	2870.2	3221.4	3589.2	3988.3	4398.0
-50°	1219.0	1422.3	1629.9	1849.1	2092.6	2360.2	2644.0	2960.1	3300.4	3649.0	4017.6
-52.5°	1136.9	1323.7	1511.5	1706.9	1924.2	2161.9	2419.9	2699.7	3006.0	3325.6	3643.7
-55°	1049.3	1221.9	1389.0	1566.6	1756.0	1967.8	2195.7	2445.1	2702.1	2993.2	3273.4
-57.5°	960.9	1112.8	1264.8	1426.0	1594.9	1772.2	1979.8	2191.0	2422.7	2662.1	2895.5
-60°	869.4	1002.0	1137.2	1282.8	1435.3	1596.0	1765.0	1953.6	2149.8	2343.4	2549.1
-62.5°	774.5	891.4	1010.4	1135.2	1272.2	1417.0	1568.0	1725.2	1887.0	2055.4	2221.5
-65°	682.9	782.0	885.9	995.0	1104.9	1237.5	1371.2	1503.5	1644.9	1781.4	1914.5
-67.5°	589.6	683.6	771.0	856.2	957.5	1071.2	1176.3	1296.1	1414.6	1526.8	1635.2
-70°	512.4	587.6	667.8	744.9	824.7	921.5	1024.5	1119.8	1209.5	1303.6	1405.2
-72.5°	438.0	510.6	577.6	639.3	720.1	810.7	895.2	973.8	1059.3	1148.7	1230.9
-75°	369.9	433.2	498.6	559.3	626.6	705.6	790.8	870.9	943.6	1015.9	1090.7
-77.5°	304.4	351.9	407.0	469.2	535.9	597.4	664.7	737.3	805.2	874.2	947.3
-80°	233.7	267.6	305.0	348.1	397.7	452.0	510.3	572.2	626.6	676.5	725.8
-82.5°	157.2	183.1	209.3	235.7	263.4	292.6	324.8	364.4	399.5	434.9	470.8
-85°	87.0	98.0	115.9	134.0	149.4	165.7	182.8	200.8	217.5	233.8	249.9
-87.5°	50.7	56.5	62.4	68.7	72.8	76.7	80.5	84.1	88.8	93.5	97.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	31.4	31.9	32.4	32.9	33.4	34.9	36.4	37.8	39.3	38.8	38.3
87.5°	15.9	15.7	15.4	15.1	14.8	16.3	17.8	19.4	21.0	19.3	17.5
85°	30.2	30.4	30.4	30.3	30.1	32.1	34.2	36.1	38.1	35.1	32.0
82.5°	51.9	50.9	49.2	46.7	43.6	42.9	42.1	40.9	39.4	37.8	36.2
80°	77.0	73.3	68.5	63.0	56.7	53.5	50.3	46.8	43.0	41.9	41.0
77.5°	99.2	92.5	84.4	75.6	66.1	60.5	55.7	50.7	45.6	44.5	44.0
75°	113.4	104.8	92.9	80.6	68.0	60.0	54.2	48.6	43.1	41.5	40.7
72.5°	117.7	105.7	91.9	76.5	61.6	52.3	46.9	42.1	37.8	36.0	35.1
70°	110.1	94.0	78.7	64.0	50.4	41.7	37.9	34.7	31.9	30.6	30.1
67.5°	93.0	76.2	61.9	49.5	39.6	33.3	31.1	29.1	27.3	26.2	25.4
65°	70.7	57.5	47.1	38.8	32.5	28.6	26.8	25.2	23.6	22.3	21.4
62.5°	51.9	42.3	36.1	31.4	27.8	25.1	23.5	22.1	20.9	20.0	19.2
60°	39.1	32.5	28.7	25.7	23.4	21.7	20.7	19.8	19.0	18.2	17.4
57.5°	29.9	25.9	23.1	21.7	20.6	19.8	19.0	18.1	17.2	16.3	15.5
55°	23.6	21.5	19.9	19.5	19.1	18.4	17.5	16.7	15.7	14.6	13.7
52.5°	19.8	19.6	19.6	19.3	18.7	18.2	17.6	16.4	15.2	14.0	13.3
50°	19.6	19.7	19.8	19.4	18.9	18.3	17.8	16.9	16.1	15.3	14.8
47.5°	20.4	20.6	21.8	19.9	19.6	20.2	19.8	19.1	18.8	18.4	17.9
45°	24.0	28.1	29.2	27.6	24.3	27.0	26.1	23.1	24.8	24.6	23.1
42.5°	42.7	47.1	50.6	48.4	41.5	43.8	43.8	39.1	40.4	40.5	38.7
40°	81.4	79.9	85.5	83.3	75.7	72.9	76.1	70.7	69.7	72.4	69.2
37.5°	134.1	135.0	132.6	132.9	130.2	122.9	127.2	125.7	121.2	129.7	130.6
35°	209.7	216.2	195.7	203.8	207.3	199.4	204.4	218.6	209.5	229.2	234.6
32.5°	310.9	324.4	314.7	305.4	320.8	333.1	338.8	369.2	377.3	395.2	416.4
30°	435.7	470.7	498.4	481.1	479.1	522.6	547.7	588.5	628.0	651.7	695.0
27.5°	695.3	684.5	750.3	769.7	726.4	796.0	890.3	908.3	1028.6	1038.4	1122.5
25°	1098.9	1093.2	1113.0	1208.5	1232.7	1267.6	1429.4	1514.9	1652.9	1727.6	1792.1
22.5°	1640.8	1793.9	1820.0	1776.2	1985.9	2122.9	2168.2	2414.3	2526.9	2695.0	2745.6
20°	2318.6	2674.8	3124.8	3131.9	3045.7	3440.5	3604.1	3733.5	4008.7	4200.3	4330.2
17.5°	4095.6	4092.8	5011.9	5519.7	5462.3	5746.6	6551.0	6468.0	7117.9	7511.9	7528.5
15°	6703.5	7189.6	7772.8	8693.9	9477.8	10109.7	10873.5	11871.4	12679.5	13628.7	14349.3
12.5°	9687.1	10644.3	11642.5	12693.2	13923.5	15320.5	16840.0	18170.2	19752.6	21137.4	22569.3
10°	12676.4	14192.6	15601.5	17171.6	18920.2	20781.2	23009.5	24956.5	27297.3	29350.3	30699.9
7.5°	15417.6	17236.4	19140.6	21422.9	23863.6	26200.4	28723.1	31453.9	34192.4	36564.5	38578.7
5°	18096.9	20141.5	22252.1	24766.1	27555.3	30483.4	33605.1	36834.8	39704.2	42406.4	44758.2
2.5°	20198.7	22540.8	24952.0	27794.9	30795.6	33763.1	36888.1	40364.9	43702.0	46862.3	49278.5
0°	21447.9	23797.8	26163.4	29175.5	32470.5	35659.4	39143.0	42844.7	46367.6	49389.4	51629.4
-2.5°	20950.3	23239.1	25629.5	28605.3	31779.7	34750.9	38079.4	41665.2	45077.3	48137.8	50462.5
-5°	19825.1	21878.6	24069.9	26821.3	29791.1	32743.1	36006.2	39417.3	42360.9	45077.4	47161.8
-7.5°	18243.0	20137.5	22181.0	24728.4	27459.4	30037.3	32704.6	35456.6	38135.2	40458.6	42173.5
-10°	16562.7	18277.7	20036.8	22079.6	24407.1	26657.1	28907.7	31417.8	33625.4	35543.5	36957.8
-12.5°	14877.6	16286.4	17674.2	19236.2	21233.4	23258.4	25204.9	27309.7	29068.1	30650.5	31908.6
-15°	13260.1	14356.9	15409.9	16921.8	18680.5	20176.0	21373.7	23280.1	24473.8	25880.4	26760.1
-17.5°	11756.7	12632.5	13912.2	15211.9	16466.6	17695.6	19077.6	20206.2	21377.9	22526.9	23282.9
-20°	10573.8	11657.0	12738.7	13795.6	14873.6	16046.7	17140.7	18207.2	19228.3	20111.3	20717.4



REPORT NUMBER: P731640 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9803.8	10765.5	11676.0	12627.1	13677.1	14662.3	15586.6	16568.7	17441.8	18101.1	18594.2
-25°	9064.4	9900.7	10786.6	11738.2	12626.7	13455.8	14307.0	15065.1	15810.1	16359.1	16820.5
-27.5°	8398.0	9191.4	10064.2	10907.6	11699.6	12474.5	13197.8	13825.8	14446.5	14885.6	15344.4
-30°	7818.3	8621.9	9415.7	10165.5	10909.4	11611.4	12249.2	12845.5	13366.2	13793.9	14178.5
-32.5°	7380.5	8109.2	8816.0	9517.5	10222.5	10869.7	11428.0	12000.8	12480.0	12890.0	13238.3
-35°	6947.5	7632.7	8286.1	8928.8	9577.7	10201.8	10742.3	11241.0	11712.6	12079.6	12398.8
-37.5°	6525.4	7164.2	7768.8	8346.8	8940.5	9515.8	10008.9	10477.3	10898.9	11238.1	11540.9
-40°	6100.0	6685.3	7225.8	7764.4	8297.7	8779.9	9243.3	9674.8	10036.0	10348.7	10624.3
-42.5°	5660.6	6175.9	6663.5	7156.3	7643.6	8070.1	8479.2	8866.9	9174.3	9451.4	9690.0
-45°	5219.6	5673.0	6119.7	6562.5	6963.4	7357.2	7728.0	8055.3	8332.5	8577.9	8784.9
-47.5°	4795.0	5180.4	5589.1	5992.9	6337.3	6674.5	6998.7	7276.3	7517.0	7731.7	7913.8
-50°	4370.7	4714.6	5071.1	5417.7	5733.5	6029.4	6301.3	6543.7	6763.1	6948.6	7104.9
-52.5°	3950.7	4270.0	4574.8	4856.6	5143.6	5415.6	5668.5	5880.5	6072.7	6244.4	6382.0
-55°	3549.8	3832.1	4117.1	4357.0	4589.0	4815.7	5026.2	5215.6	5389.8	5547.4	5670.8
-57.5°	3145.3	3391.6	3629.7	3844.8	4053.0	4252.9	4423.5	4571.9	4710.9	4838.3	4947.2
-60°	2754.9	2960.2	3161.3	3340.8	3514.2	3680.6	3825.9	3952.2	4064.2	4162.9	4252.1
-62.5°	2388.4	2564.8	2725.0	2870.0	3005.7	3141.3	3265.2	3374.5	3469.3	3550.5	3620.4
-65°	2051.5	2197.4	2325.6	2445.6	2558.3	2672.5	2772.0	2861.7	2941.6	3008.7	3062.5
-67.5°	1751.9	1866.1	1972.8	2065.8	2161.6	2258.8	2348.8	2427.4	2495.1	2548.7	2590.5
-70°	1499.2	1591.6	1687.3	1780.0	1871.3	1954.8	2032.6	2102.2	2164.1	2210.3	2247.2
-72.5°	1306.3	1384.3	1472.5	1566.0	1652.6	1735.8	1814.9	1888.5	1957.0	2001.0	2035.3
-75°	1167.8	1248.3	1327.2	1405.1	1481.9	1555.0	1628.7	1703.8	1779.7	1824.5	1860.4
-77.5°	1014.7	1071.1	1129.9	1193.5	1261.1	1326.7	1390.9	1454.2	1516.3	1547.4	1571.1
-80°	777.9	823.0	867.2	911.9	956.8	1003.0	1049.5	1095.7	1141.0	1162.0	1177.7
-82.5°	507.0	538.0	567.4	595.7	622.8	645.9	667.4	687.5	706.0	715.1	721.3
-85°	265.5	279.2	292.0	304.2	315.6	322.7	328.8	333.9	338.2	343.8	348.7
-87.5°	102.2	106.1	109.8	113.5	117.0	118.8	120.3	121.6	122.8	124.6	126.3
-90°	7.9	7.4	6.9	6.4	5.9	5.4	4.9	4.4	3.9	3.9	3.9



REPORT NUMBER: P731640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	37.8	37.3	38.3	39.3	38.3	37.3	37.8	38.3	38.8	39.3	37.8
87.5°	15.7	13.8	12.8	11.8	12.8	13.8	15.7	17.5	19.3	21.0	19.4
85°	28.8	25.4	23.5	21.6	23.5	25.4	28.8	32.0	35.1	38.1	36.1
82.5°	34.8	33.3	33.4	33.4	33.4	33.3	34.8	36.2	37.8	39.4	40.9
80°	40.1	39.2	39.3	39.3	39.3	39.2	40.1	41.0	41.9	43.0	46.8
77.5°	43.6	43.1	42.3	41.3	42.3	43.1	43.6	44.0	44.5	45.6	50.7
75°	40.1	39.4	39.3	39.3	39.3	39.4	40.1	40.7	41.5	43.1	48.6
72.5°	34.3	33.6	33.4	33.4	33.4	33.6	34.3	35.1	36.0	37.8	42.1
70°	29.8	29.6	28.6	27.5	28.6	29.6	29.8	30.1	30.6	31.9	34.7
67.5°	24.6	23.9	23.6	23.6	23.6	23.9	24.6	25.4	26.2	27.3	29.1
65°	20.6	19.9	19.6	19.6	19.6	19.9	20.6	21.4	22.3	23.6	25.2
62.5°	18.6	17.9	16.9	15.7	16.9	17.9	18.6	19.2	20.0	20.9	22.1
60°	16.7	16.0	14.9	13.8	14.9	16.0	16.7	17.4	18.2	19.0	19.8
57.5°	14.8	14.1	13.8	13.8	13.8	14.1	14.8	15.5	16.3	17.2	18.1
55°	12.9	12.1	11.8	11.8	11.8	12.1	12.9	13.7	14.6	15.7	16.7
52.5°	12.7	12.1	11.8	11.8	11.8	12.1	12.7	13.3	14.0	15.2	16.4
50°	14.4	13.9	13.8	13.8	13.8	13.9	14.4	14.8	15.3	16.1	16.9
47.5°	17.2	16.2	15.7	15.7	15.7	16.2	17.2	17.9	18.4	18.8	19.1
45°	22.6	21.9	21.5	21.6	21.5	21.9	22.6	23.1	24.6	24.8	23.1
42.5°	39.2	38.0	36.4	35.4	36.4	38.0	39.2	38.7	40.5	40.4	39.1
40°	69.4	67.9	65.6	64.8	65.6	67.9	69.4	69.2	72.4	69.7	70.7
37.5°	132.4	131.4	127.2	125.7	127.2	131.4	132.4	130.6	129.7	121.2	125.7
35°	234.2	236.0	232.0	231.8	232.0	236.0	234.2	234.6	229.2	209.5	218.6
32.5°	423.4	428.0	416.0	422.4	416.0	428.0	423.4	416.4	395.2	377.3	369.2
30°	693.6	709.1	702.2	705.4	702.2	709.1	693.6	695.0	651.7	628.0	588.5
27.5°	1130.8	1142.3	1118.5	1110.1	1118.5	1142.3	1130.8	1122.5	1038.4	1028.6	908.3
25°	1828.4	1835.7	1812.3	1821.4	1812.3	1835.7	1828.4	1792.1	1727.6	1652.9	1514.9
22.5°	2848.2	2820.8	2795.0	2770.4	2795.0	2820.8	2848.2	2745.6	2695.0	2526.9	2414.3
20°	4451.0	4388.1	4379.7	4332.4	4379.7	4388.1	4451.0	4330.2	4200.3	4008.7	3733.5
17.5°	7930.3	8044.5	7791.1	7301.2	7791.1	8044.5	7930.3	7528.5	7511.9	7117.9	6468.0
15°	14773.7	15309.9	15540.3	14977.8	15540.3	15309.9	14773.7	14349.3	13628.7	12679.5	11871.4
12.5°	23359.7	23737.2	24194.4	23860.7	24194.4	23737.2	23359.7	22569.3	21137.4	19752.6	18170.2
10°	31859.2	32424.3	33116.4	32804.5	33116.4	32424.3	31859.2	30699.9	29350.3	27297.3	24956.5
7.5°	39687.2	40660.8	41269.0	40877.9	41269.0	40660.8	39687.2	38578.7	36564.5	34192.4	31453.9
5°	46367.9	47137.6	47504.3	47403.1	47504.3	47137.6	46367.9	44758.2	42406.4	39704.2	36834.8
2.5°	50652.3	51464.8	51793.2	51520.4	51793.2	51464.8	50652.3	49278.5	46862.3	43702.0	40364.9
0°	52746.3	53507.7	54030.4	54071.6	54030.4	53507.7	52746.3	51629.4	49389.4	46367.6	42844.7
-2.5°	51536.2	51998.9	52248.9	52082.3	52248.9	51998.9	51536.2	50462.5	48137.8	45077.3	41665.2
-5°	48366.8	48856.0	49014.9	49208.7	49014.9	48856.0	48366.8	47161.8	45077.4	42360.9	39417.3
-7.5°	43138.2	43675.0	44070.7	44054.1	44070.7	43675.0	43138.2	42173.5	40458.6	38135.2	35456.6
-10°	38009.6	38408.4	38821.3	38752.0	38821.3	38408.4	38009.6	36957.8	35543.5	33625.4	31417.8
-12.5°	32927.0	33592.3	33754.0	33705.4	33754.0	33592.3	32927.0	31908.6	30650.5	29068.1	27309.7
-15°	27761.5	28254.5	28214.0	28083.1	28214.0	28254.5	27761.5	26760.1	25880.4	24473.8	23280.1
-17.5°	23937.1	24208.9	24312.8	24210.4	24312.8	24208.9	23937.1	23282.9	22526.9	21377.9	20206.2
-20°	21215.7	21425.8	21496.5	21544.2	21496.5	21425.8	21215.7	20717.4	20111.3	19228.3	18207.2



REPORT NUMBER: P731640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19018.9	19233.5	19295.6	19377.0	19295.6	19233.5	19018.9	18594.2	18101.1	17441.8	16568.7
-25°	17176.5	17386.2	17457.1	17537.9	17457.1	17386.2	17176.5	16820.5	16359.1	15810.1	15065.1
-27.5°	15652.2	15856.8	15942.1	16003.4	15942.1	15856.8	15652.2	15344.4	14885.6	14446.5	13825.8
-30°	14451.7	14653.3	14775.1	14814.7	14775.1	14653.3	14451.7	14178.5	13793.9	13366.2	12845.5
-32.5°	13499.3	13675.3	13789.8	13848.0	13789.8	13675.3	13499.3	13238.3	12890.0	12480.0	12000.8
-35°	12651.0	12827.7	12946.7	13007.1	12946.7	12827.7	12651.0	12398.8	12079.6	11712.6	11241.0
-37.5°	11783.6	11975.9	12101.8	12105.2	12101.8	11975.9	11783.6	11540.9	11238.1	10898.9	10477.3
-40°	10826.6	10979.1	11079.0	11118.9	11079.0	10979.1	10826.6	10624.3	10348.7	10036.0	9674.8
-42.5°	9866.7	9996.2	10077.2	10110.9	10077.2	9996.2	9866.7	9690.0	9451.4	9174.3	8866.9
-45°	8950.3	9080.9	9148.4	9138.3	9148.4	9080.9	8950.3	8784.9	8577.9	8332.5	8055.3
-47.5°	8053.7	8155.0	8210.3	8222.7	8210.3	8155.0	8053.7	7913.8	7731.7	7517.0	7276.3
-50°	7237.5	7344.9	7390.8	7377.9	7390.8	7344.9	7237.5	7104.9	6948.6	6763.1	6543.7
-52.5°	6495.4	6586.7	6626.3	6621.4	6626.3	6586.7	6495.4	6382.0	6244.4	6072.7	5880.5
-55°	5771.8	5850.7	5882.1	5876.8	5882.1	5850.7	5771.8	5670.8	5547.4	5389.8	5215.6
-57.5°	5037.5	5108.5	5129.6	5116.4	5129.6	5108.5	5037.5	4947.2	4838.3	4710.9	4571.9
-60°	4326.2	4384.6	4402.8	4395.3	4402.8	4384.6	4326.2	4252.1	4162.9	4064.2	3952.2
-62.5°	3678.1	3723.3	3741.8	3743.0	3741.8	3723.3	3678.1	3620.4	3550.5	3469.3	3374.5
-65°	3106.2	3139.7	3154.6	3157.5	3154.6	3139.7	3106.2	3062.5	3008.7	2941.6	2861.7
-67.5°	2624.2	2650.3	2659.4	2660.4	2659.4	2650.3	2624.2	2590.5	2548.7	2495.1	2427.4
-70°	2280.1	2309.2	2321.4	2328.3	2321.4	2309.2	2280.1	2247.2	2210.3	2164.1	2102.2
-72.5°	2067.5	2097.4	2111.5	2122.0	2111.5	2097.4	2067.5	2035.3	2001.0	1957.0	1888.5
-75°	1894.5	1926.3	1936.3	1941.2	1936.3	1926.3	1894.5	1860.4	1824.5	1779.7	1703.8
-77.5°	1591.6	1608.7	1615.1	1617.0	1615.1	1608.7	1591.6	1571.1	1547.4	1516.3	1454.2
-80°	1190.1	1199.1	1216.2	1230.0	1216.2	1199.1	1190.1	1177.7	1162.0	1141.0	1095.7
-82.5°	725.2	726.7	736.7	744.7	736.7	726.7	725.2	721.3	715.1	706.0	687.5
-85°	352.7	355.9	364.0	371.3	364.0	355.9	352.7	348.7	343.8	338.2	333.9
-87.5°	127.9	129.3	128.6	127.7	128.6	129.3	127.9	126.3	124.6	122.8	121.6
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.4



REPORT NUMBER: P731640 (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°
90°	36.4	34.9	33.4	32.9	32.4	31.9	31.4	29.0	26.5	24.1	21.6
87.5°	17.8	16.3	14.8	15.1	15.4	15.7	15.9	14.9	13.9	13.0	12.1
85°	34.2	32.1	30.1	30.3	30.4	30.4	30.2	29.4	28.3	26.9	25.2
82.5°	42.1	42.9	43.6	46.7	49.2	50.9	51.9	51.5	50.5	48.9	46.3
80°	50.3	53.5	56.7	63.0	68.5	73.3	77.0	78.4	79.2	78.9	76.3
77.5°	55.7	60.5	66.1	75.6	84.4	92.5	99.2	102.4	103.9	104.5	101.7
75°	54.2	60.0	68.0	80.6	92.9	104.8	113.4	118.6	122.8	126.0	122.9
72.5°	46.9	52.3	61.6	76.5	91.9	105.7	117.7	127.9	136.4	143.3	139.0
70°	37.9	41.7	50.4	64.0	78.7	94.0	110.1	126.7	143.6	155.3	148.4
67.5°	31.1	33.3	39.6	49.5	61.9	76.2	93.0	112.1	130.3	148.0	146.3
65°	26.8	28.6	32.5	38.8	47.1	57.5	70.7	87.2	107.0	127.1	129.9
62.5°	23.5	25.1	27.8	31.4	36.1	42.3	51.9	65.6	81.8	95.7	102.7
60°	20.7	21.7	23.4	25.7	28.7	32.5	39.1	48.0	59.1	70.6	78.0
57.5°	19.0	19.8	20.6	21.7	23.1	25.9	29.9	34.7	43.7	51.0	57.2
55°	17.5	18.4	19.1	19.5	19.9	21.5	23.6	27.1	32.3	36.6	43.9
52.5°	17.6	18.2	18.7	19.3	19.6	19.6	19.8	22.2	25.5	30.3	34.5
50°	17.8	18.3	18.9	19.4	19.8	19.7	19.6	19.7	22.6	26.3	29.9
47.5°	19.8	20.2	19.6	19.9	21.8	20.6	20.4	21.8	24.6	24.7	27.9
45°	26.1	27.0	24.3	27.6	29.2	28.1	24.0	29.4	30.9	30.3	27.3
42.5°	43.8	43.8	41.5	48.4	50.6	47.1	42.7	46.9	45.1	40.6	45.7
40°	76.1	72.9	75.7	83.3	85.5	79.9	81.4	76.0	71.0	59.9	77.8
37.5°	127.2	122.9	130.2	132.9	132.6	135.0	134.1	122.8	107.0	116.1	130.2
35°	204.4	199.4	207.3	203.8	195.7	216.2	209.7	184.4	171.7	186.0	195.3
32.5°	338.8	333.1	320.8	305.4	314.7	324.4	310.9	273.4	278.8	278.8	268.5
30°	547.7	522.6	479.1	481.1	498.4	470.7	435.7	448.9	430.3	392.0	354.4
27.5°	890.3	796.0	726.4	769.7	750.3	684.5	695.3	675.8	613.1	542.4	491.2
25°	1429.4	1267.6	1232.7	1208.5	1113.0	1093.2	1098.9	1007.4	859.1	756.2	826.0
22.5°	2168.2	2122.9	1985.9	1776.2	1820.0	1793.9	1640.8	1432.3	1278.0	1389.9	1300.6
20°	3604.1	3440.5	3045.7	3131.9	3124.8	2674.8	2318.6	2346.8	2436.3	2241.2	1896.8
17.5°	6551.0	5746.6	5462.3	5519.7	5011.9	4092.8	4095.6	4139.3	3833.2	3263.9	2595.1
15°	10873.5	10109.7	9477.8	8693.9	7772.8	7189.6	6703.5	6248.5	5468.7	4494.8	3612.0
12.5°	16840.0	15320.5	13923.5	12693.2	11642.5	10644.3	9687.1	8661.8	7391.7	6176.8	5158.3
10°	23009.5	20781.2	18920.2	17171.6	15601.5	14192.6	12676.4	11115.4	9519.1	8005.3	6704.9
7.5°	28723.1	26200.4	23863.6	21422.9	19140.6	17236.4	15417.6	13538.9	11614.4	9815.0	8237.0
5°	33605.1	30483.4	27555.3	24766.1	22252.1	20141.5	18096.9	15921.8	13653.8	11584.1	9733.8
2.5°	36888.1	33763.1	30795.6	27794.9	24952.0	22540.8	20198.7	17709.7	15086.6	12646.4	10559.2
0°	39143.0	35659.4	32470.5	29175.5	26163.4	23797.8	21447.9	18925.1	16168.4	13490.4	11315.4
-2.5°	38079.4	34750.9	31779.7	28605.3	25629.5	23239.1	20950.3	18655.8	15951.9	13398.6	11301.1
-5°	36006.2	32743.1	29791.1	26821.3	24069.9	21878.6	19825.1	17800.4	15377.9	13106.9	11201.1
-7.5°	32704.6	30037.3	27459.4	24728.4	22181.0	20137.5	18243.0	16334.5	14201.7	12180.1	10442.5
-10°	28907.7	26657.1	24407.1	22079.6	20036.8	18277.7	16562.7	14818.8	12964.6	11196.6	9642.9
-12.5°	25204.9	23258.4	21233.4	19236.2	17674.2	16286.4	14877.6	13332.8	11691.3	10171.4	8824.8
-15°	21373.7	20176.0	18680.5	16921.8	15409.9	14356.9	13260.1	12000.0	10584.3	9199.6	8004.9
-17.5°	19077.6	17695.6	16466.6	15211.9	13912.2	12632.5	11756.7	10759.3	9607.0	8440.2	7369.7
-20°	17140.7	16046.7	14873.6	13795.6	12738.7	11657.0	10573.8	9609.1	8693.0	7742.1	6843.4



REPORT NUMBER: P731640 (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°	15586.6	14662.3	13677.1	12627.1	11676.0	10765.5	9803.8	8797.8	7831.2	7061.3	6317.1
-25°	14307.0	13455.8	12626.7	11738.2	10786.6	9900.7	9064.4	8191.5	7296.2	6444.6	5804.0
-27.5°	13197.8	12474.5	11699.6	10907.6	10064.2	9191.4	8398.0	7618.1	6825.7	6059.5	5345.3
-30°	12249.2	11611.4	10909.4	10165.5	9415.7	8621.9	7818.3	7112.1	6407.4	5706.3	5040.4
-32.5°	11428.0	10869.7	10222.5	9517.5	8816.0	8109.2	7380.5	6638.6	6002.5	5386.1	4775.3
-35°	10742.3	10201.8	9577.7	8928.8	8286.1	7632.7	6947.5	6268.5	5640.8	5067.3	4506.2
-37.5°	10008.9	9515.8	8940.5	8346.8	7768.8	7164.2	6525.4	5902.0	5302.6	4766.4	4255.1
-40°	9243.3	8779.9	8297.7	7764.4	7225.8	6685.3	6100.0	5519.9	4982.1	4469.4	3998.7
-42.5°	8479.2	8070.1	7643.6	7156.3	6663.5	6175.9	5660.6	5142.1	4649.5	4182.7	3743.5
-45°	7728.0	7357.2	6963.4	6562.5	6119.7	5673.0	5219.6	4766.0	4322.2	3892.5	3476.2
-47.5°	6998.7	6674.5	6337.3	5992.9	5589.1	5180.4	4795.0	4398.0	3988.3	3589.2	3221.4
-50°	6301.3	6029.4	5733.5	5417.7	5071.1	4714.6	4370.7	4017.6	3649.0	3300.4	2960.1
-52.5°	5668.5	5415.6	5143.6	4856.6	4574.8	4270.0	3950.7	3643.7	3325.6	3006.0	2699.7
-55°	5026.2	4815.7	4589.0	4357.0	4117.1	3832.1	3549.8	3273.4	2993.2	2702.1	2445.1
-57.5°	4423.5	4252.9	4053.0	3844.8	3629.7	3391.6	3145.3	2895.5	2662.1	2422.7	2191.0
-60°	3825.9	3680.6	3514.2	3340.8	3161.3	2960.2	2754.9	2549.1	2343.4	2149.8	1953.6
-62.5°	3265.2	3141.3	3005.7	2870.0	2725.0	2564.8	2388.4	2221.5	2055.4	1887.0	1725.2
-65°	2772.0	2672.5	2558.3	2445.6	2325.6	2197.4	2051.5	1914.5	1781.4	1644.9	1503.5
-67.5°	2348.8	2258.8	2161.6	2065.8	1972.8	1866.1	1751.9	1635.2	1526.8	1414.6	1296.1
-70°	2032.6	1954.8	1871.3	1780.0	1687.3	1591.6	1499.2	1405.2	1303.6	1209.5	1119.8
-72.5°	1814.9	1735.8	1652.6	1566.0	1472.5	1384.3	1306.3	1230.9	1148.7	1059.3	973.8
-75°	1628.7	1555.0	1481.9	1405.1	1327.2	1248.3	1167.8	1090.7	1015.9	943.6	870.9
-77.5°	1390.9	1326.7	1261.1	1193.5	1129.9	1071.1	1014.7	947.3	874.2	805.2	737.3
-80°	1049.5	1003.0	956.8	911.9	867.2	823.0	777.9	725.8	676.5	626.6	572.2
-82.5°	667.4	645.9	622.8	595.7	567.4	538.0	507.0	470.8	434.9	399.5	364.4
-85°	328.8	322.7	315.6	304.2	292.0	279.2	265.5	249.9	233.8	217.5	200.8
-87.5°	120.3	118.8	117.0	113.5	109.8	106.1	102.2	97.9	93.5	88.8	84.1
-90°	4.9	5.4	5.9	6.4	6.9	7.4	7.9	7.9	7.9	7.9	7.9



REPORT NUMBER: P731640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	20.1	18.7	17.2	15.7	15.2	14.8	14.3	13.8	13.3	12.8	12.3
87.5°	13.2	14.2	15.1	15.8	14.7	13.8	12.9	12.0	12.2	12.3	12.2
85°	24.6	24.2	24.1	24.2	22.1	19.6	17.8	16.2	16.6	16.6	16.5
82.5°	41.7	38.6	36.2	34.4	33.3	31.4	28.8	25.5	22.7	21.2	20.8
80°	68.3	60.9	54.2	48.3	45.1	43.4	41.2	37.6	31.6	27.3	24.8
77.5°	91.8	82.6	74.0	65.3	57.9	52.5	49.3	47.1	40.2	33.3	28.5
75°	112.3	100.8	89.8	79.1	69.1	61.1	54.7	49.9	44.1	38.5	31.9
72.5°	126.3	114.4	103.2	91.2	78.0	67.2	58.9	52.6	46.4	40.4	34.6
70°	136.2	125.1	113.0	99.2	85.4	72.4	61.8	54.5	48.4	42.1	36.0
67.5°	142.4	129.7	118.2	105.8	91.5	77.4	64.2	56.3	50.0	43.7	37.3
65°	127.2	124.5	120.7	107.4	94.8	81.9	67.8	58.5	51.4	45.0	38.5
62.5°	108.0	110.3	108.3	105.1	95.4	83.1	71.3	61.8	53.1	46.2	39.5
60°	84.3	90.5	94.6	93.7	90.7	82.7	72.4	64.9	55.6	47.3	40.5
57.5°	65.3	71.4	78.0	81.7	81.1	78.0	72.8	66.0	57.9	48.9	41.5
55°	49.5	56.7	63.6	69.0	71.4	70.0	71.1	66.2	59.5	50.5	42.8
52.5°	39.8	45.7	52.0	58.1	62.0	63.3	66.1	66.3	59.5	51.9	44.6
50°	33.7	40.3	44.5	49.2	53.9	58.0	61.8	63.1	59.4	52.7	46.5
47.5°	33.7	40.1	42.7	43.3	47.2	53.3	57.7	59.8	59.3	52.5	48.4
45°	40.8	45.4	45.5	44.2	43.4	50.5	54.2	57.1	56.9	53.7	50.3
42.5°	54.9	58.4	54.4	47.0	51.6	49.6	51.1	54.4	54.9	55.2	51.9
40°	84.3	79.2	68.5	67.5	68.0	50.8	51.5	52.1	53.6	56.5	53.3
37.5°	122.6	111.7	93.5	99.7	92.7	71.4	53.5	50.2	54.9	57.6	54.8
35°	183.6	155.1	144.6	143.8	128.9	97.1	56.8	50.5	57.3	59.1	56.5
32.5°	256.5	231.1	220.3	197.0	171.7	127.9	74.3	60.4	61.1	61.1	58.2
30°	351.8	362.9	311.9	256.0	221.3	168.5	111.2	72.8	66.1	63.5	60.1
27.5°	541.5	523.8	424.7	339.2	276.8	218.8	174.2	87.5	72.3	66.8	61.9
25°	791.2	718.2	580.8	438.4	335.8	370.9	253.4	105.9	82.7	71.6	64.0
22.5°	1128.3	948.3	756.3	546.5	565.6	563.9	363.0	166.2	95.9	76.9	66.3
20°	1520.5	1210.0	1018.8	945.4	853.2	770.1	510.6	234.9	110.1	82.9	68.7
17.5°	1979.1	1781.3	1676.9	1433.0	1186.1	995.3	680.3	310.3	125.2	89.2	71.3
15°	3082.7	2740.0	2409.3	1970.6	1546.1	1235.9	867.0	390.6	140.8	95.9	78.4
12.5°	4353.5	3742.4	3198.7	2547.0	1926.4	1487.9	1065.6	473.4	156.7	111.3	91.7
10°	5649.2	4774.7	4028.2	3149.0	2319.7	1746.8	1270.2	566.1	194.0	133.8	105.5
7.5°	6952.3	5821.6	4879.5	3762.8	2707.4	2000.0	1486.9	676.4	235.1	156.7	119.5
5°	8139.5	6705.1	5570.4	4256.4	3030.5	2239.0	1696.9	782.5	276.3	179.5	133.6
2.5°	8844.9	7309.1	6131.0	4708.1	3336.6	2467.9	1892.7	881.4	316.7	202.1	147.5
0°	9492.0	7871.0	6648.9	5124.2	3621.1	2683.9	2068.9	970.6	355.6	224.0	161.1
-2.5°	9441.0	7881.2	6636.0	5186.2	3749.3	2796.6	2145.3	1079.8	463.7	302.3	212.7
-5°	9332.1	7844.4	6580.3	5208.6	3850.4	2891.8	2199.4	1176.7	568.0	378.6	263.1
-7.5°	8850.4	7556.4	6398.6	5170.4	3923.4	2967.4	2233.5	1261.4	667.4	451.7	311.4
-10°	8260.3	7107.1	6045.6	4921.5	3813.9	2959.3	2240.7	1334.3	760.4	520.6	357.0
-12.5°	7650.2	6640.4	5680.1	4654.9	3659.5	2877.5	2171.1	1364.0	842.4	584.2	399.2
-15°	7030.7	6164.3	5311.1	4376.9	3493.6	2784.7	2095.6	1370.4	892.2	636.2	437.3
-17.5°	6444.4	5686.1	4946.8	4093.9	3319.5	2682.8	2017.9	1370.6	935.7	675.9	470.4
-20°	6030.5	5290.9	4592.9	3811.3	3140.5	2573.1	1941.7	1365.7	972.4	710.8	499.1



REPORT NUMBER: P731640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5618.6	4958.0	4288.7	3574.3	2975.0	2457.2	1870.2	1356.7	1002.0	740.8	523.7
-25°	5203.6	4620.9	4003.2	3386.2	2830.6	2345.9	1822.2	1344.7	1024.3	765.5	544.0
-27.5°	4815.6	4288.3	3729.9	3197.4	2703.7	2251.2	1792.5	1363.1	1042.7	784.7	559.7
-30°	4442.0	3988.0	3503.7	3018.9	2571.5	2156.9	1763.2	1374.0	1061.1	800.1	570.6
-32.5°	4186.9	3712.9	3293.5	2865.1	2451.0	2058.0	1707.5	1375.4	1072.3	810.3	580.4
-35°	3988.2	3507.6	3092.8	2708.8	2332.8	1970.6	1638.4	1367.4	1076.4	814.0	586.7
-37.5°	3771.0	3329.3	2920.7	2560.9	2210.2	1875.7	1578.1	1322.7	1073.3	811.1	588.5
-40°	3558.8	3142.7	2760.9	2423.0	2094.3	1773.3	1511.2	1276.0	1063.3	801.7	585.7
-42.5°	3329.9	2952.0	2602.8	2281.5	1974.8	1691.9	1439.4	1222.6	1020.2	790.9	578.3
-45°	3104.9	2754.5	2436.9	2139.8	1853.4	1604.3	1372.8	1163.2	968.7	776.8	567.1
-47.5°	2870.2	2559.6	2266.8	1988.5	1748.8	1513.0	1298.8	1100.1	912.8	756.1	552.1
-50°	2644.0	2360.2	2092.6	1849.1	1629.9	1422.3	1219.0	1031.8	861.1	711.3	532.3
-52.5°	2419.9	2161.9	1924.2	1706.9	1511.5	1323.7	1136.9	959.4	804.8	663.9	507.7
-55°	2195.7	1967.8	1756.0	1566.6	1389.0	1221.9	1049.3	889.4	744.0	613.9	478.7
-57.5°	1979.8	1772.2	1594.9	1426.0	1264.8	1112.8	960.9	814.3	682.0	561.1	448.0
-60°	1765.0	1596.0	1435.3	1282.8	1137.2	1002.0	869.4	736.6	617.7	506.8	407.1
-62.5°	1568.0	1417.0	1272.2	1135.2	1010.4	891.4	774.5	659.4	550.4	455.3	362.2
-65°	1371.2	1237.5	1104.9	995.0	885.9	782.0	682.9	579.0	488.7	402.4	318.7
-67.5°	1176.3	1071.2	957.5	856.2	771.0	683.6	589.6	506.6	427.6	348.2	280.6
-70°	1024.5	921.5	824.7	744.9	667.8	587.6	512.4	437.1	365.1	304.6	241.9
-72.5°	895.2	810.7	720.1	639.3	577.6	510.6	438.0	369.9	316.3	260.5	202.6
-75°	790.8	705.6	626.6	559.3	498.6	433.2	369.9	316.7	267.2	215.9	167.4
-77.5°	664.7	597.4	535.9	469.2	407.0	351.9	304.4	262.9	216.4	172.1	132.9
-80°	510.3	452.0	397.7	348.1	305.0	267.6	233.7	199.3	161.3	127.3	97.4
-82.5°	324.8	292.6	263.4	235.7	209.3	183.1	157.2	131.5	105.0	81.5	67.3
-85°	182.8	165.7	149.4	134.0	115.9	98.0	87.0	76.6	66.9	57.7	49.1
-87.5°	80.5	76.7	72.8	68.7	62.4	56.5	50.7	45.3	40.1	35.3	30.7
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.8	11.3	10.8	10.3	9.8	8.9	7.9
87.5°	12.0	11.0	10.1	9.4	8.8	8.2	7.9
85°	16.0	14.0	12.3	10.8	9.6	8.6	7.9
82.5°	20.0	17.1	14.5	12.3	10.4	8.9	7.9
80°	23.7	20.1	16.7	13.7	11.3	9.3	7.9
77.5°	25.5	22.3	18.8	15.1	12.1	9.6	7.9
75°	27.2	23.3	20.5	16.5	12.9	9.9	7.9
72.5°	28.8	24.2	20.9	17.9	13.7	10.2	7.9
70°	30.2	24.9	21.1	18.9	14.4	10.5	7.9
67.5°	31.4	25.6	21.3	18.8	15.2	10.8	7.9
65°	32.6	26.4	21.5	18.7	15.9	11.1	7.9
62.5°	33.7	27.5	21.5	18.5	16.5	11.4	7.9
60°	34.8	28.6	21.5	18.3	17.2	11.7	7.9
57.5°	36.1	29.6	22.3	18.1	17.0	12.0	7.9
55°	37.5	30.6	23.2	17.8	16.9	12.2	7.9
52.5°	38.9	31.7	24.0	17.4	16.7	12.4	7.9
50°	40.4	33.0	24.9	17.0	16.6	12.7	7.9
47.5°	42.0	34.3	25.6	16.8	16.5	12.9	7.9
45°	43.6	35.7	26.4	17.3	16.4	13.0	7.9
42.5°	45.3	37.1	27.1	17.9	16.4	13.2	7.9
40°	46.9	38.4	28.0	18.7	16.4	13.4	7.9
37.5°	48.5	39.8	29.0	19.8	16.4	13.5	7.9
35°	50.0	41.1	30.0	20.8	16.4	13.6	7.9
32.5°	51.5	42.3	31.0	21.9	16.4	13.8	7.9
30°	52.9	43.4	31.9	22.9	16.4	13.9	7.9
27.5°	54.2	44.5	33.8	24.0	16.5	13.9	7.9
25°	55.6	45.6	36.0	25.0	16.6	14.0	7.9
22.5°	57.0	47.3	38.1	26.0	16.7	14.0	7.9
20°	58.4	51.0	40.2	27.0	16.8	14.1	7.9
17.5°	63.5	54.9	42.3	28.0	16.9	14.1	7.9
15°	71.1	58.9	44.4	28.9	17.0	14.1	7.9
12.5°	79.1	63.0	46.4	29.8	17.1	14.1	7.9
10°	87.3	67.1	48.3	30.7	17.3	14.0	7.9
7.5°	95.6	71.1	50.2	31.5	17.4	14.0	7.9
5°	103.9	75.1	51.9	32.2	17.5	13.9	7.9
2.5°	112.1	78.9	53.5	32.8	17.6	13.9	7.9
0°	119.9	82.5	55.0	33.4	17.7	13.8	7.9
-2.5°	151.2	100.4	64.3	37.5	19.1	14.1	7.9
-5°	181.6	117.8	73.2	41.4	20.4	14.4	7.9
-7.5°	210.8	134.6	81.8	45.2	21.7	14.6	7.9
-10°	238.4	150.4	90.0	48.8	23.0	14.9	7.9
-12.5°	263.9	165.0	97.5	52.1	24.1	15.1	7.9
-15°	287.1	178.4	104.4	55.1	25.3	15.3	7.9
-17.5°	307.5	190.2	110.5	57.7	26.3	15.5	7.9
-20°	326.7	200.4	115.7	60.0	27.3	15.7	7.9



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	346.0	208.7	120.0	61.9	28.1	15.8	7.9
-25°	362.5	219.4	123.3	63.4	28.9	15.9	7.9
-27.5°	376.0	229.7	125.6	64.4	29.5	16.0	7.9
-30°	386.3	237.7	127.2	64.9	30.0	16.0	7.9
-32.5°	393.3	243.4	131.3	64.9	30.4	16.1	7.9
-35°	398.7	246.6	133.9	64.3	30.6	16.1	7.9
-37.5°	401.4	248.1	134.9	63.3	30.8	16.0	7.9
-40°	400.4	248.6	134.4	61.7	30.7	15.9	7.9
-42.5°	395.7	246.6	133.4	60.2	30.6	15.8	7.9
-45°	387.3	242.0	132.2	59.2	30.3	15.7	7.9
-47.5°	375.2	234.9	129.5	57.4	29.9	15.5	7.9
-50°	361.9	225.2	125.5	56.8	29.3	15.3	7.9
-52.5°	345.5	213.1	120.1	56.3	28.6	15.1	7.9
-55°	325.7	202.3	113.4	55.1	27.7	14.8	7.9
-57.5°	302.5	190.1	105.4	53.4	26.8	14.5	7.9
-60°	276.8	176.1	96.4	51.1	25.7	14.2	7.9
-62.5°	254.1	160.1	90.6	48.2	24.7	13.9	7.9
-65°	228.9	142.5	83.8	44.9	23.6	13.5	7.9
-67.5°	201.4	126.4	76.1	41.1	22.5	13.1	7.9
-70°	171.9	112.3	67.6	36.9	21.3	12.7	7.9
-72.5°	147.8	97.0	58.5	33.8	20.0	12.3	7.9
-75°	123.5	80.7	48.7	30.8	18.7	11.8	7.9
-77.5°	97.8	63.6	42.1	27.6	17.3	11.4	7.9
-80°	71.2	51.3	36.2	24.3	15.8	10.9	7.9
-82.5°	55.5	41.6	30.0	20.9	14.4	10.4	7.9
-85°	41.1	31.6	23.7	17.4	12.9	9.9	7.9
-87.5°	26.5	21.5	17.3	13.9	11.3	9.4	7.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9

(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

